

# SERVICE MANUAL

---

## SERVICE MANUAL SECTION

**3200, 4100, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, RXT  
Models Built March, 2008 to May 16, 2010 — ELECTRICAL CIRCUIT  
DIAGRAMS**

**Model: 3200**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 4100**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 4300**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 4400**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 7300**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 7400**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 7500**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 7600**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 7700**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 8500**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: 8600**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**Model: RXT**

**Start Date: 03/19/2008 End Date: 05/16/2010**

**S08337**

**10/21/2010**

## TABLE OF CONTENTS

<b>1. TABLE OF CONTENTS (CHAPTER 1)</b> .....	<b>1</b>
<b>2. INSTRUCTIONS AND CHARTS (CHAPTER 2)</b> .....	<b>1</b>
2.1. ABBREVIATIONS, P. 1.....	1
2.2. ACRONYMS, P. 2.....	2
2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3.....	3
2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4.....	4
2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 5.....	5
2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 6.....	6
2.7. LAMP BULB CHART, P. 7.....	7
2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8.....	8
2.9. SCHEMATIC SYMBOL CHART, P. 9.....	9
2.10. SCHEMATIC SYMBOL CHART, P. 10.....	10
2.11. SCHEMATIC SYMBOL CHART, P. 11.....	11
2.12. SCHEMATIC SYMBOL CHART, P.12.....	12
<b>3. 12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)</b> .....	<b>13</b>
3.1. BATTERY FEED, DUAL, P. 1.....	13
3.2. BATTERY FEED, DUAL, P. 2.....	14
3.3. BATTERY FEED, DUAL, P. 3.....	15
3.4. ACCESSORY FEED, P. 4.....	16
3.5. IGNITION FEED — STANDARD, THEFT DETERRENT, REMOTE START/STOP, P. 5.....	17
3.6. IGNITION FEED RELAY 1, P. 6.....	18
3.7. IGNITION FEED RELAY 2, P. 7.....	19
3.8. IGNITION FEED RELAY 3, P. 8.....	20
3.9. J1708 DATA LINK — PUBLIC EFFECTS, P. 9.....	21
3.10. J1708 DATA LINK — PUBLIC EFFECTS, P. 10.....	22
3.11. J1708 DATA LINK — PRIVATE WITH POWER WINDOW AND LOCK, P. 11.....	23
3.12. J1939 DATA LINK, P. 12.....	24
3.13. J1939 DATA LINK WITH OPTIONS, P. 13.....	25
3.14. J1939 DATA LINK WITH OPTIONS, P. 14.....	26
3.15. J1939 DATA LINK — ISM 2007 ENGINE, P. 15.....	27
3.16. J1939 DATA LINK — I6 2007 ENGINE, P. 16.....	28
3.17. J1939 DATA LINK — C11/C13 2007 ENGINE, P. 17.....	29
3.18. GROUND — IP, P. 18.....	30
3.19. GROUND — IP, P. 19.....	31
3.20. GROUND — IP, P. 20.....	32
3.21. GROUND — IP, P. 21.....	33
3.22. ENGINE GROUND, P. 22.....	34
3.23. ENGINE GROUND CAT C11–C13 2007 ENGINE, P. 23.....	35
3.24. GROUND — CHASSIS, P. 24.....	36
3.25. GROUND — CHASSIS WITH HEAVY DUTY DIESEL, P. 25.....	37
3.26. GROUND — CHASSIS, P. 26.....	38
3.27. GROUND — CHASSIS, P. 27.....	39
3.28. ZERO VOLT REFERENCE, P. 28.....	40
3.29. GROUND — CHASSIS, P. 29.....	41
3.30. J1939 DATA LINK WITH V8 ENGINE, P. 30.....	42
3.31. ENGINE GROUND — IBB ENGINE, P. 31.....	43
3.32. J1939 DATA LINK — IBB ENGINE, P. 32.....	44

## TABLE OF CONTENTS

---

### TABLE OF CONTENTS (CONT.)

3.33.	J1939 DATA LINK — IBB ENGINE, P. 33.....	45
3.34.	BATTERY FEED, SINGLE, P. 34.....	46
3.35.	BATTERY FEED, SINGLE, P. 35.....	47
3.36.	GROUND — SEAT AND SEATBELT SENSOR, P. 36.....	48
<b>4.</b>	<b>CAB ACCESSORIES (CHAPTER 4).....</b>	<b>49</b>
4.1.	CIGAR LIGHTER AND POWER FEED, P. 1.....	49
4.2.	CIGAR LIGHTER AND POWER FEED, P. 2.....	50
4.3.	CB POWER RADIO, P. 3.....	51
4.4.	COMPASS AND TEMPERATURE DISPLAY, P. 4.....	52
4.5.	FRONT DOOR WINDOWS AND LOCKS (POWER), P. 5.....	53
4.6.	FRONT DOOR WINDOWS AND LOCKS (POWER) FOR CREW, P. 6.....	54
4.7.	HORN, ELECTRIC AND AIR, P. 7.....	55
4.8.	HORN, ELECTRIC AND AIR, P. 8.....	56
4.9.	MIRRORS (HEATED, LIGHTED AND POWER), P. 9.....	57
4.10.	MIRRORS (HEATED, LIGHTED AND POWER), P. 9A.....	58
4.11.	DUAL HEATED MOTORIZED MIRRORS WITH HEATED WINDSHIELD, N/HYD FPB, P. 9B.....	59
4.12.	DUAL HEATED MOTORIZED MIRRORS WITH HEATED WINDSHIELD, W/HYD FPB, P. 9C.....	60
4.13.	RADIO (ENTERTAINMENT), SPEAKERS WITH 12 WAY CONN, P. 10.....	61
4.14.	RADIO (ENTERTAINMENT), SPEAKERS WITH 16 WAY CONN, P. 11.....	62
4.15.	2-WAY RADIO, P. 12.....	63
4.16.	WINDSHIELD WIPER, P. 13.....	64
4.17.	WASHER PUMP, P. 14.....	65
4.18.	SWITCH PACK OPTIONAL GAUGE PACK, P. 15.....	66
4.19.	ROOF AUXILIARY LOAD, P. 16.....	67
4.20.	SATELLITE COMMUNICATION — QUALCOMM IMCT, P. 17.....	68
4.21.	SATELLITE COMMUNICATION — TRIPMASTER, P. 18.....	69
4.22.	COMPUTER PREWIRED — XATA SYSTEM, P. 19.....	70
4.23.	CADEC GPS SYSTEM, P. 20.....	71
4.24.	SATELLITE COMMUNICATION — MOBILEMAX, P. 21.....	72
4.25.	SELF CONTAINED AIR SEAT, P. 22.....	73
4.26.	HEATED SEATS, P. 23.....	74
4.27.	AWARE SYSTEM, P. 24.....	75
4.28.	EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 25.....	76
4.29.	EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 26.....	77
4.30.	DRIVER DISPLAY, P. 27.....	78
4.31.	BACK-UP CAMERA, P. 28.....	79
4.32.	SATELLITE COMMUNICATION — QUALCOMM MCT, P. 29.....	80
4.33.	SATELLITE COMMUNICATION — QUALCOMM MCT WITH MVPC KEYBOARD, P. 30.....	81
4.34.	SATELLITE COMMUNICATION — QUALCOMM TMCT, P. 31.....	82
4.35.	SATELLITE COMMUNICATION — QUALCOMM TMCT, P. 32.....	83
4.36.	AIR SHIELD LIGHT, P. 33.....	84
4.37.	SEATBELT AND SEAT SENSOR, P. 39.....	85
4.38.	SEATBELT AND SEAT SENSOR, P. 40.....	86
4.39.	SEATBELT AND SEAT SENSOR, P. 41.....	87
<b>5.</b>	<b>12V CHARGING + CRANKING SYSTEM (CHAPTER 5).....</b>	<b>88</b>
5.1.	I6 / V8 ENGINES WITH MANUAL TRANSMISSION, P. 1.....	88
5.2.	CAT, CUMMINS AND IBB ENGINES WITH MANUAL TRANSMISSION, P. 2.....	89
5.3.	I6 / V8 ENGINES WITH ALLISON TRANSMISSION, P. 3.....	90

**TABLE OF CONTENTS (CONT.)**

5.4. CAT, CUMMINS AND IBB ENGINES WITH ALLISON TRANSMISSION, P. 4.....91

5.5. I6 ENGINE WITH AUTOSHIFT, ULTRASHIFT AND EATON HYBRID TRANSMISSION, P. 5.....92

5.6. CAT, CUMMINS AND IBB ENGINES WITH AUTOSHIFT AND ULTRASHIFT TRANSMISSION, P. 6.....93

5.7. I6 POWER PACK, P. 7.....94

5.8. ROCKER START, P. 8.....95

**6. FANS AND ENGINE ACCESSORIES (CHAPTER 6).....96**

6.1. FAN WIRING, I6 / V8 2007 ENGINES, P. 1.....96

6.2. FAN WIRING, ISM, C11–C13 2007 ENGINES, P. 2.....97

6.3. STARTING AID — ETHER START, P. 3.....98

6.4. SNOW VALVE, P. 4.....99

6.5. SNOW VALVE WITH IBB ENGINE, P. 4A.....100

6.6. STARTING AID — COLD START ASSIST (IBB ENGINE), P. 5.....101

6.7. FAN WIRING — IBB ENGINE, P. 6.....102

**7. ELECTRONIC ENGINES (CHAPTER 7).....103**

7.1. ELECTRONIC ENGINE CONTROLS, CAT ENGINES, P. 1.....103

7.2. ELECTRONIC ENGINE CONTROLS, CAT ENGINES, P. 2.....104

7.3. ENGINE BODY BUILDER — REMOTE ENGINE CONTROL (CAT ENGINE), P. 3.....105

7.4. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 4.....106

7.5. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 5.....107

7.6. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 6.....108

7.7. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 7.....109

7.8. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 8.....110

7.9. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 9.....111

7.10. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 10.....112

7.11. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 11.....113

7.12. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 12.....114

7.13. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 13.....115

7.14. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 14.....116

7.15. CRUISE CONTROL, P. 15.....117

7.16. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 16.....118

7.17. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 17.....119

7.18. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 17A.....120

7.19. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 18.....121

7.20. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 19.....122

7.21. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 20.....123

7.22. AFTERTREATMENT (IBB ENGINE), P. 21.....124

7.23. AFTERTREATMENT (CAT ENGINE), P. 22.....125

**8. GAUGES WITH AND WITHOUT INTERNAL WARNING LIGHT (CHAPTER 8).....126**

8.1. IP/GAUGES, P. 1.....126

8.2. WARNING LIGHT LIST, P. 2.....127

8.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER, P. 3.....128

8.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACHOMETER, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4.....129

8.5. IP/GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5.....130

8.6. AIR PRESSURE INPUT CIRCUIT, P. 6.....131

8.7. AXLE TEMPERATURE, GAUGE INPUT CIRCUIT, P. 7.....132

## TABLE OF CONTENTS

---

### TABLE OF CONTENTS (CONT.)

8.8.	FUEL GAUGE CIRCUITRY (SINGLE TANK), P. 8.....	133
8.9.	DIFFERENTIAL LOCK WARNING LAMPS, P. 9.....	134
8.10.	PARK BRAKE SWITCH HYDRAULIC, P. 9A.....	135
8.11.	AIR PARK BRAKE AND MANUAL TRANSMISSION OIL TEMP GAUGE, P. 10.....	136
8.12.	FREEDOMLINE TRANSMISSION OIL TEMP GAUGE AND SURGE PUMP, P. 10A.....	137
8.13.	GAUGES AND WARNING LIGHTS — AMMETER, P. 11.....	138
8.14.	ENGINE OIL TEMPERATURE GAUGE WITH CATERPILLAR, P. 12.....	139
8.15.	FRONT AXLE ENGAGEMENT LAMP, P. 13.....	140
8.16.	WARNING LIGHTS — RIGHT BANK — OPTIONAL, P. 14.....	141
8.17.	WARNING LIGHTS — LEFT BANK — OPTIONAL, P. 15.....	142
8.18.	LOAD MONITORING, P. 16.....	143
<b>9.</b>	<b>LIGHTS (CHAPTER 9).....</b>	<b>144</b>
9.1.	BACK-UP LIGHTS N/ ALLISON TRANSMISSION, P. 1.....	144
9.2.	BACK-UP LIGHTS W/ ALLISON TRANSMISSION, P. 2.....	145
9.3.	LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS, P. 3.....	146
9.4.	LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 4.....	147
9.5.	LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 5.....	148
9.6.	LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 6.....	149
9.7.	LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 7.....	150
9.8.	DOME LIGHT, MAP LIGHT, P. 8.....	151
9.9.	DOME LIGHT, MAP LIGHT (CONT.), P. 9.....	152
9.10.	DOME LIGHT, MAP LIGHT (CONT.), P. 10.....	153
9.11.	FOG LIGHT, P. 11.....	154
9.12.	HEADLIGHTS, P. 12.....	155
9.13.	AUX. HEADLIGHTS, SNOW PLOW LIGHTS, P. 13.....	156
9.14.	AUX. HEADLIGHTS, SNOW PLOW LIGHTS (CONT), P. 14.....	157
9.15.	PANEL LIGHTS, P. 15.....	158
9.16.	WORK LIGHT, P. 16.....	159
<b>10.</b>	<b>CHASSIS ACCESSORIES (CHAPTER 10).....</b>	<b>160</b>
10.1.	ABS — BENDIX AIR, P. 1.....	160
10.2.	ABS — BENDIX AIR, P. 2.....	161
10.3.	ABS — BENDIX AIR, P. 3.....	162
10.4.	ABS — WABCO AIR, P. 4.....	163
10.5.	ABS — WABCO AIR, P. 5.....	164
10.6.	WABCO FULL POWER BRAKES, P. 6.....	165
10.7.	WABCO FULL POWER BRAKES, P. 7.....	166
10.8.	WABCO FULL POWER BRAKES, P. 8.....	167
10.9.	BODY BUILDER AND TRAILER — TURN, MARKERS AND STOP, P. 9.....	168
10.10.	BODY BUILDER AND TRAILER — TURN, MARKERS AND STOP, P. 10.....	169
10.11.	TRAILER SOCKET — BOC AND EOF, P. 11.....	170
10.12.	BODY BUILDER AND TRAILER SOCKET — BOC AND EOF, P. 12.....	171
10.13.	BODY BUILDER CONNECTIONS, P. 13.....	172
10.14.	REMOTE START / STOP, P. 14.....	173
10.15.	AUX TRAILER CIRCUIT, P. 15.....	174
10.16.	TWO SPEED AXLE SWITCH, P. 16.....	175

**TABLE OF CONTENTS (CONT.)**

10.17. AIR SOLENOID, P. 17.....	176
10.18. AIR SOLENOID, P. 18.....	177
10.19. REMOTE POWER MODULE — BATTERY BOX MOUNTED, P. 19.....	178
10.20. REMOTE POWER MODULE — CAB MOUNTED, P. 19A.....	179
10.21. REMOTE POWER MODULE — END OF FRAME, P. 19B.....	180
10.22. REMOTE ENGINE SPEED CONTROL MODULE — WITH REMOTE POWER MODULE, P. 19C.....	181
10.23. BLANK PAGE, P. 20.....	182
10.24. AUX AND POWER SOURCE, P. 21.....	183
10.25. AIR DRYER AND HEATED DRAIN VALVE, P. 22.....	184
10.26. FUEL / WATER SEPARATOR, P. 23.....	185
10.27. ELECTRIC TRAILER BRAKE, P. 24.....	186
10.28. LECTRASHIFT ACCOMMODATION, P. 25.....	187
10.29. HOUR METER — PTO, P. 26.....	188
10.30. AUX INPUTS AND DRIVERS, P. 27.....	189
10.31. FUEL TRANSFER PUMP, P. 28.....	190
10.32. BLANK PAGE, P. 29.....	191
10.33. BLANK PAGE, P. 30.....	192
10.34. BLANK PAGE, P. 31.....	193
10.35. POWER SOURCE, CUSTOMER INSTALLED LIFT GATE, P. 32.....	194
10.36. WHEELCHAIR LIFT INTERLOCK, P. 33.....	195
10.37. LIFT AXLE WITH CONTROLS FOR ONE LIFT AXLE, P. 34.....	196
10.38. LIFT AXLE (NON-STEERABLE), P. 35.....	197
10.39. LIFT AXLE (STEERABLE), P. 36.....	198
10.40. LIFT AXLES, P. 37.....	199
10.41. LIFT AXLES, P. 37A.....	200
10.42. ABS — BENDIX AIR 6S/6M, P. 38.....	201
10.43. ABS — BENDIX AIR 6S/6M, P. 39.....	202
10.44. LIFT AXLE WITH CONTROLS FOR TWO LIFT AXLES, P. 40.....	203
10.45. LIFT AXLE WITH CONTROLS FOR THREE LIFT AXLES, P. 41.....	204
10.46. LIFT AXLE WITH CONTROLS FOR FOUR LIFT AXLES, P. 42.....	205
10.47. ABS ROLL OVER STABILITY, P. 43.....	206
10.48. ABS ROLL OVER STABILITY, P. 44.....	207
<b>11. TRANSMISSIONS (CHAPTER 11).....</b>	<b>208</b>
11.1. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND WITH V8 ENGINE, P. 1.....	208
11.2. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND WITH V8 ENGINE, P. 2.....	209
11.3. ALLISON GEN 4 1/2000 TRANSMISSION W/ I6, CAT, ISM ENGINE, P. 3.....	210
11.4. TRANSMISSION, ALLISON MD WITH I6 AND WITH V8 ENGINE, P. 4.....	211
11.5. TRANSMISSION, ALLISON MD 3/4000 WITH I6 AND WITH V8 ENGINE, P. 5.....	212
11.6. TRANSMISSION, ALLISON MD/HD (WTEC) WITH I6 AND WITH V8 ENGINE, P. 6.....	213
11.7. TRANSMISSION, ALLISON MD/HD (WTEC) WITH I6 AND WITH V8 ENGINE (CONT.), P. 7.....	214
11.8. TRANSMISSION, ALLISON MD (WTEC), P. 8.....	215
11.9. TRANSMISSION, ALLISON MD (WTEC), P. 8A.....	216
11.10. TRANSMISSION, ALLISON MD (WTEC) (ISM ENGINE), P. 9.....	217
11.11. TRANSMISSION, ALLISON MD (WTEC) (ISM ENGINE), P. 10.....	218
11.12. EATON AUTOSHIFT TRANSMISSION W/ I6 ENGINE, P. 11.....	219
11.13. EATON AUTOSHIFT TRANSMISSION, P. 12.....	220
11.14. EATON AUTOSHIFT TRANSMISSION, P. 12A.....	221
11.15. TRANSMISSION ALLISON MD (WTEC) W/ CAT ENGINE, P. 13.....	222

**TABLE OF CONTENTS (CONT.)**

11.16. TRANSMISSION ALLISON MD (WTEC) W/ CAT ENGINE, P. 14.....	223
11.17. TRANSMISSION RETARDER CONTROLS WIRING WITH MD TRANSMISSION HARD WIRED EFFECTS, P. 15.....	224
11.18. EATON AUTO AND ULTRASHIFT GEN 3 TRANSMISSION W/ CAT AND W/ ISM ENGINE, P. 16.....	225
11.19. ALLISON TRANSMISSION 3/4000 GEN 4 WITH AUTO NEUTRAL, P. 17.....	226
11.20. EATON ULTRASHIFT GEN 3 / MERITOR G — MANUAL TRANSMISSION, P. 18.....	227
11.21. EATON HYBRID TRANSMISSION, P. 19.....	228
11.22. EATON HYBRID TRANSMISSION, P. 20.....	229
11.23. EATON HYBRID TRANSMISSION, P. 21.....	230
11.24. EATON HYBRID TRANSMISSION, P. 22.....	231
11.25. EATON HYBRID TRANSMISSION, P. 23.....	232
11.26. EATON HYBRID TRANSMISSION, P. 23A.....	233
11.27. TRANSMISSION ALLISON MD (WTEC) WITH CAT ENGINE, P. 24.....	234
11.28. FREEDOMLINE TRANSMISSION WITH CAT AND ISM ENGINE, P. 25.....	235
11.29. EATON AUTO AND ULTRASHIFT GEN 3 TRANSMISSION WITH IBB ENGINE, P. 26.....	236
11.30. TRANSMISSION ALLISON WITH IBB ENGINE, P. 27.....	237
11.31. TRANSMISSION ALLISON WITH IBB ENGINE, P. 28.....	238
11.32. TRANSMISSION ALLISON WITH IBB ENGINE, P. 29.....	239
11.33. TRANSMISSION ALLISON WITH IBB ENGINE, P. 30.....	240
<b>12. AIR CONDITIONING (CHAPTER 12).....</b>	<b>241</b>
12.1. AIR CONDITIONING, P. 1.....	241
12.2. AIR CONDITIONING, P. 2.....	242
12.3. HVAC SYSTEM, P. 3.....	243
12.4. HVAC SYSTEM, P. 4.....	244
12.5. HVAC SYSTEM, P. 5.....	245
12.6. AUTOTHERM SYSTEM, P. 6.....	246
<b>13. CONNECTOR COMPOSITES (CHAPTER 13).....</b>	<b>247</b>
13.1. CONNECTOR COMPOSITES (1J), (2J), (71), P. 1.....	247
13.2. CONNECTOR COMPOSITES (72), (254F), (254M), (345), (400), P. 2.....	248
13.3. CONNECTOR COMPOSITES (421), (422), (422F), (423), (424), (425), P. 3.....	249
13.4. CONNECTOR COMPOSITES (520), (521), (522), (523), (524), (827), P. 4.....	250
13.5. CONNECTOR COMPOSITES (830), (1002), (1003), (1006), P. 5.....	251
13.6. CONNECTOR COMPOSITES (1008), (1009), P. 6.....	252
13.7. CONNECTOR COMPOSITE (1010), P. 7.....	253
13.8. CONNECTOR COMPOSITE (1011), P. 8.....	254
13.9. CONNECTOR COMPOSITE (1012), P. 9.....	255
13.10. CONNECTOR COMPOSITE (1013), P. 10.....	256
13.11. CONNECTOR COMPOSITE (1014), P. 11.....	257
13.12. CONNECTOR COMPOSITE (1015), P. 12.....	258
13.13. CONNECTOR COMPOSITE (1016), P. 13.....	259
13.14. CONNECTOR COMPOSITE (1017), P. 14.....	260
13.15. CONNECTOR COMPOSITE (1018), P. 15.....	261
13.16. CONNECTOR COMPOSITE (1019), P. 16.....	262
13.17. CONNECTOR COMPOSITE (1019) (CONT.), P. 16A.....	263
13.18. CONNECTOR COMPOSITES (1020), P. 17.....	264
13.19. CONNECTOR COMPOSITES (1021), (1022), (1023A), (1023B), P. 18.....	265
13.20. CONNECTOR COMPOSITES (1023C), (1023D), (1024), (1025), P. 18A.....	266



## TABLE OF CONTENTS (CONT.)

13.21. CONNECTOR COMPOSITES (1025), (1026), (1029), (1069), P. 19.....	267
13.22. CONNECTOR COMPOSITES (1100), (1100MA), (1101), (1101A), P. 20.....	268
13.23. CONNECTOR COMPOSITES (1105), (1106), (1107), (1108), P. 21.....	269
13.24. CONNECTOR COMPOSITES (1109), (1110), (1200), P. 22.....	270
13.25. CONNECTOR COMPOSITES (1210), (1227), (1227M), (1228), P. 23.....	271
13.26. CONNECTOR COMPOSITES (1229), (1230F), (1231), (1240F), P. 24.....	272
13.27. CONNECTOR COMPOSITES (1242), (1243), (1300), (1301), (1338), P. 25.....	273
13.28. CONNECTOR COMPOSITES (1378), (1400), (1401), (1402), P. 26.....	274
13.29. CONNECTOR COMPOSITES (1403), (1410), P. 26A.....	275
13.30. CONNECTOR COMPOSITES (1420), (1421), (1500), P. 27.....	276
13.31. CONNECTOR COMPOSITES (1501), (1510), (1511), (1512), P. 28.....	277
13.32. CONNECTOR COMPOSITES (1556), (1557), (1558), (1600), P. 29.....	278
13.33. CONNECTOR COMPOSITE (1601), P. 30.....	279
13.34. CONNECTOR COMPOSITE (1602), P. 31.....	280
13.35. CONNECTOR COMPOSITES (1603), (1604), (1620), (1623), P. 32.....	281
13.36. CONNECTOR COMPOSITES (1625), (1626), (1650), (1657), P. 33.....	282
13.37. CONNECTOR COMPOSITES (1660), (1661), P. 34.....	283
13.38. CONNECTOR COMPOSITE (1700), P. 35.....	284
13.39. CONNECTOR COMPOSITE (1700), P. 36.....	285
13.40. CONNECTOR COMPOSITE (1700), P. 37.....	286
13.41. CONNECTOR COMPOSITE (1701), P. 38.....	287
13.42. CONNECTOR COMPOSITE (1701), P. 39.....	288
13.43. CONNECTOR COMPOSITE (1701), P. 40.....	289
13.44. CONNECTOR COMPOSITE (1702), P. 41.....	290
13.45. CONNECTOR COMPOSITE (1702), P. 41A.....	291
13.46. CONNECTOR COMPOSITE (1702), P. 42.....	292
13.47. CONNECTOR COMPOSITE (1702), P. 43.....	293
13.48. CONNECTOR COMPOSITE (1702), P. 44.....	294
13.49. CONNECTOR COMPOSITES (1800), P. 45.....	295
13.50. CONNECTOR COMPOSITES (1804), (1807), (1808), P. 46.....	296
13.51. CONNECTOR COMPOSITES (1809), (1810), (1811), (1812), (1813), (1815), (1822), P. 47.....	297
13.52. CONNECTOR COMPOSITES (1820), (1821), P. 47A.....	298
13.53. CONNECTOR COMPOSITES (1823), (1824), (1825), (1826), (1827), P. 48.....	299
13.54. CONNECTOR COMPOSITES (1828), (1852), (1860), P. 48A.....	300
13.55. CONNECTOR COMPOSITES (1861), (1872), (1873), (1874), (1875), (1900), P. 49.....	301
13.56. CONNECTOR COMPOSITES (1901), (1902), (1910), (1912), (1916), P. 50.....	302
13.57. CONNECTOR COMPOSITES (1918), (1927), (1929), (1935), (2000), P. 51.....	303
13.58. CONNECTOR COMPOSITES (2000), (2002), (2003), (2004), (2005), (2006), P. 52.....	304
13.59. CONNECTOR COMPOSITES (2020), (2021), (2022), (2115), (2116), (2116M), (2117), (2117M), P. 53.....	305
13.60. CONNECTOR COMPOSITES (2301), (2302), (2303), (2304), (2305), (2502), P. 54.....	306
13.61. CONNECTOR COMPOSITES (2503), (2600), (2601), (2602), P. 55.....	307
13.62. CONNECTOR COMPOSITES (2700), (2700M), P. 56.....	308
13.63. CONNECTOR COMPOSITES (2701), (2701F), (2701G), (2702), P. 57.....	309
13.64. CONNECTOR COMPOSITES (2990), (2991), (2992), (2993), (2994), (2995), (2996), (2997), (2998), (2999), (3000), (3001), P. 57A.....	310
13.65. CONNECTOR COMPOSITES (2703), (3000), (3002), (3003), P. 58.....	311
13.66. CONNECTOR COMPOSITES (3100), (3200), (3201), P. 59.....	312
13.67. CONNECTOR COMPOSITES (3202), (3203), (3204), (3208), P. 60.....	313
13.68. CONNECTOR COMPOSITES (3209), (3210), (3211), (3400), (4003), (4004), P. 61.....	314

**TABLE OF CONTENTS (CONT.)**

13.69. CONNECTOR COMPOSITES (4017), (4018), (4019), (4021), (4022), (4037), (4038), (4070), (4071), P. 62..... 315

13.70. CONNECTOR COMPOSITES (4087/4087A), (4111M), (4120), P. 63..... 316

13.71. CONNECTOR COMPOSITES (4328), (4410D), (4410E), P. 64..... 317

13.72. CONNECTOR COMPOSITES (4410F), (4410H), (4410K), (4410L), (4410M), P. 65..... 318

13.73. CONNECTOR COMPOSITES (4450AM), (4450BM), (4450M), (4460AM), (4460BF), P. 66..... 319

13.74. CONNECTOR COMPOSITES (4460BM/4450BF), (4460M), (4500), (4705), P. 67..... 320

13.75. CONNECTOR COMPOSITES (4706), (4905), (4906), (4950), (4951), (5117), P. 68..... 321

13.76. CONNECTOR COMPOSITES (6000), (6001), P. 69..... 322

13.77. CONNECTOR COMPOSITES (6010), (6011), P. 70..... 323

13.78. CONNECTOR COMPOSITES (6018), (6019), (6020), P. 70A..... 324

13.79. CONNECTOR COMPOSITES (6020M), P. 71..... 325

13.80. CONNECTOR COMPOSITES (6020M), P. 72..... 326

13.81. CONNECTOR COMPOSITES (6021), (6022), (6023), (6033), P. 73..... 327

13.82. CONNECTOR COMPOSITES (6200), (6201), (6259), (6260), (6260VH), (6260VL), (6260VM), P. 74..... 328

13.83. CONNECTOR COMPOSITES (6261), (6262), (6263), (6304), (6316M), (6323), P. 75..... 329

13.84. CONNECTOR COMPOSITES (6323), (6334), (6400), (6401), P. 76..... 330

13.85. CONNECTOR COMPOSITES (6401), (6401/6407), (6402), (6403), P. 77..... 331

13.86. CONNECTOR COMPOSITES (6406M), (6407M), (6420), (6550), (6561), (6650), (6701), P. 77A..... 332

13.87. CONNECTOR COMPOSITES (6702), (6703A), (6703M), (6704), P. 78..... 333

13.88. CONNECTOR COMPOSITES (6704A), (6704M), (6706), (6707), (6708/6709), (6712), P. 78A... 334

13.89. CONNECTOR COMPOSITES (6713), (6714), (6716), (6716A), (6720/6721), (6725), P. 79..... 335

13.90. CONNECTOR COMPOSITES (6730), (6731), P. 79A..... 336

13.91. CONNECTOR COMPOSITES (6732), (6747), P. 79B..... 337

13.92. CONNECTOR COMPOSITES (6900), (6901), (7103), (7103M), (7104), P. 80..... 338

13.93. CONNECTOR COMPOSITES (7104), (7105), P. 81..... 339

13.94. CONNECTOR COMPOSITES (7106), (7110), (7111), P. 82..... 340

13.95. CONNECTOR COMPOSITES (7150), P. 83..... 341

13.96. CONNECTOR COMPOSITES (7150), (7150F/7150F2), (7150/7151), P. 84..... 342

13.97. CONNECTOR COMPOSITES (7151), P. 85..... 343

13.98. CONNECTOR COMPOSITES (7205M), (7206F), P. 86..... 344

13.99. CONNECTOR COMPOSITES (7211), (7212), (7213), P. 87..... 345

13.100. CONNECTOR COMPOSITES (7250), (7251), (7350), P. 88..... 346

13.101. CONNECTOR COMPOSITES (7500), (7500W), (7502M), (7600), (7601), (7601M), P. 89..... 347

13.102. CONNECTOR COMPOSITES (7602), (7603), (7604), (7605), (7607), (7608), (7609), (7611), P. 90..... 348

13.103. CONNECTOR COMPOSITES (7615), (7616), (7617), (7700), P. 91..... 349

13.104. CONNECTOR COMPOSITES (7702), (7703), (7801F), P. 91A..... 350

13.105. CONNECTOR COMPOSITES (7801M), (7802), (7803), (7804), (7900), (7901), P. 92..... 351

13.106. CONNECTOR COMPOSITES (7905), (7909), P. 93..... 352

13.107. CONNECTOR COMPOSITES (7910), (7911), P. 93A..... 353

13.108. CONNECTOR COMPOSITES (8000), (8001), (8102), (8103), (8150), (8151), P. 94..... 354

13.109. CONNECTOR COMPOSITES (8200), (8201), (8301), (8303), (8305), (8310), (8311), P. 95..... 355

13.110. CONNECTOR COMPOSITES (8312), (8410), (8500), (8501), (8502), (8502A), P. 96..... 356

13.111. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), P. 97..... 357

13.112. CONNECTOR COMPOSITES (8509), (8601), (8602), (8700), (8701), (8750), P. 97A..... 358

13.113. CONNECTOR COMPOSITES (8800), (8801), (8802), (8803), P. 98..... 359

13.114. CONNECTOR COMPOSITES (8805), (8806), P. 99..... 360

---

**TABLE OF CONTENTS (CONT.)**

13.115.CONNECTOR COMPOSITES (8995), (8996), (8997), (8998), (8999), P. 99A.....	361
13.116.CONNECTOR COMPOSITES (8807), (8809), (8900), (9001), P. 100.....	362
13.117.CONNECTOR COMPOSITES (9100), (9101), (9102A/9102), (9103), (9108), (9255), (9260), (9261), (9280), P. 101.....	363
13.118.CONNECTOR COMPOSITES (9300), (9303), P. 102.....	364
13.119.CONNECTOR COMPOSITES (9310), (9311), (9315), (9316), (9501), (9502), (9503), (9504), P. 103.....	365
13.120.CONNECTOR COMPOSITES (9505), (9506), (9510), (9510A), (9510B), (9510F), (9510M), P. 104.....	366
13.121.CONNECTOR COMPOSITE (9511), P. 105.....	367
13.122.CONNECTOR COMPOSITES (9512), (9513), (9514), P. 106.....	368
13.123.CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520), (9521), (9522), (9523), (9524), P. 107.....	369
13.124.CONNECTOR COMPOSITES (9524), (9530), P. 108.....	370
13.125.CONNECTOR COMPOSITES (9715), (9716), P. 109.....	371
13.126.CONNECTOR COMPOSITES (9718), (9719M), (9720), (9736), (9737), P. 110.....	372
13.127.CONNECTOR COMPOSITES (9738), (9739), (9740/9740A/9740B/9740C), P. 111.....	373
13.128.CONNECTOR COMPOSITES (9740), (9745), (9746), (9747), (9748), P. 112.....	374
13.129.CONNECTOR COMPOSITES (9751), (9752), (9753), (9753A), (9754), P. 113.....	375
13.130.CONNECTOR COMPOSITES (9758), (9759), (9760), P. 114.....	376
13.131.CONNECTOR COMPOSITE (9761), P. 115.....	377
13.132.CONNECTOR COMPOSITES (9761F), (9762), (9763), (9764), (9765), (9766), P. 116.....	378
13.133.CONNECTOR COMPOSITES (9775), (9777), (9777A), (9777M), (9778), P. 117.....	379
13.134.CONNECTOR COMPOSITES (9779F), (9780M), (9781M), (9782F), P. 118.....	380
13.135.CONNECTOR COMPOSITES (9800), P. 119.....	381
13.136.CONNECTOR COMPOSITES (9811), (9812), (9814), (9815), (9820M), P. 120.....	382
13.137.CONNECTOR COMPOSITES (9830), (9832), (9900), (9900E), P. 121.....	383
13.138.CONNECTOR COMPOSITES (9913B), (9915), (9920), (9921), (9994), (9999), P. 122.....	384

x      **3200, 4100, 4300, 4400, 7300, 7400, 7500, 7600, 7700, 8500, 8600, RXT Models Built  
March, 2008 to May 16, 2010 — ELECTRICAL CIRCUIT DIAGRAMS**

---

1. TABLE OF CONTENTS (CHAPTER 1)

2. INSTRUCTIONS AND CHARTS (CHAPTER 2)

2.1. ABBREVIATIONS, P. 1

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ABBREVIATIONS	
ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION	ABBREVIATION	DESCRIPTION
ACCESS	ACCESSORY	CRUS	CRUISE	PWR	POWER
ACCUM	ACCUMULATOR	CUR	CURRENT	PRESS	PRESSURE
AC	AIR CONDITIONING	DPNL	DASHBOARD	RAD	RADIO
AIR CLNR	AIR CLEANER	DFTR	DEFLECTOR	RLY	RELAY
ALT	ALTERNATOR	DFR	DEFROSTER	RES	RESISTOR
ACCEL	ACCELERATOR	DEG	DEGREE	REGEN	REGENERATE
AFTR	AFTERTREATMENT	DIAG	DIAGRAM	R	RIGHT
AMM	AMMETER	DSL	DIESEL	RTR	ROTOR
AMP	AMPERE	DIFF	DIFFERENTIAL	SNSR	SENSOR
AMP HR	AMPERE HOUR	DIMR	DIMMER	SHLD	SHIELD
AMPL	AMPLIFIER	ELEC	ELECTRICAL	SHFT	SHIFTER
ARM	ARMATURE	ELEX	ELECTRONIC	SLPR	SLEEPER
ARSR	ARRESTER	ENG	ENGINE	SLV	SLEEVE
ASSY	ASSEMBLY	EXH	EXHAUST	SPKR	SPEAKER
AUX	AUXILIARY	FL	FLUID	SPR	SPRING
B/U	BACK-UP	FWD	FORWARD	STD	STANDARD
BTRY	BATTERY	FR	FRONT	STRG	STEERING
BM	BENCHMARKING	FREQ	FREQUENCY	STLITE	SATELLITE
BLK	BLOCK	GA	GAUGE	SUNSH	SUNSHADE
BOOS	BOOSTER	GEN	GENERATOR	SW	SWITCH
BOT	BOTTOM	GND	GROUND	SYS	SYSTEM
BK	BRAKE	HARN	HARNESS	TACH	TACHOMETER
BRKR	BREAKER	HDLP	HEADLAMP	TEMP	TEMPERATURE
BRTHR	BREATHER	HTD	HEATED	TERM	TERMINAL
BRI	BRIGHT	HT TR	HEAT TREAT	THROT	THROTTLE
BUZ	BUZZER	HTR	HEATER	THRU	THROUGH
CA	CABLE	HP	HORSEPOWER	TRAC	TRACTION
CD	CANDELA	HYD	HYDRAULIC	TRLR	TRAILER
CP	CANDLEPOWER	ID	IDENTIFICATION	XDCR	TRANSDUCER
CAP	CAPACITOR	IGN	IGNITION	XFER	TRANSFER
CAT	CATERPILLAR	ILLUM	ILLUMINATION	XFMR	TRANSFORMER
CHAS	CHASSIS	IND	INDICATOR	XSTR	TRANSISTOR
CH	CHOKE	INST	INSTRUMENT	XMSN	TRANSMISSION
CIRC	CIRCUIT	INT	INTERMITTENT	XMTR	TRANSMITTER
CLK	CLOCK	L	LEFT	TRK	TRUCK
CW	CLOCKWISE	LT	LIGHT	UPR	UPPER
CLSTR	CLUSTER	LTR	LIGHTER	VLV	VALVE
CL	CLUTCH	LWR	LOWER	VERT	VERTICAL
COL	COLUMN	MAG	MAGNET	VM	VOLTMETER
COMM	COMMUTATOR	MOD	MODULATOR	VOL	VOLUME
COMPNT	COMPONENT	MDL	MODULE	WSHR	WASHER
CPRSR	COMPRESSOR	MOT	MOTOR	WHL	WHEEL
CONN	CONNECTOR	MTD	MOUNTED	WDO	WINDOW
CONT	CONTINUE	NEG	NEGATIVE	WSHLD	WINDSHIELD
CSL	CONSOLE	N/	NOT WITH	WPR	WIPER
CONT	CONTACT	NO	NUMBER	W/	WITH
CONT	CONTROL	PASS	PASSENGER	W/O	WITHOUT
CONV	CONVERTER	POSN	POSITION		
CLR	COOLER	POS	POSITIVE		
CTSY	COURTESY	POT	POTENTIOMETER		

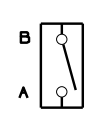
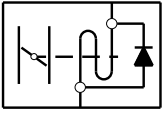
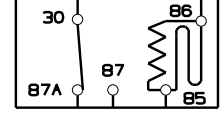
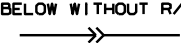
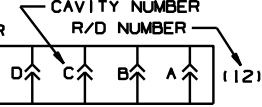
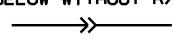
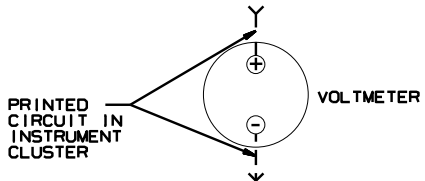
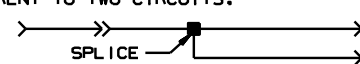
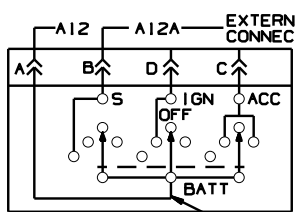
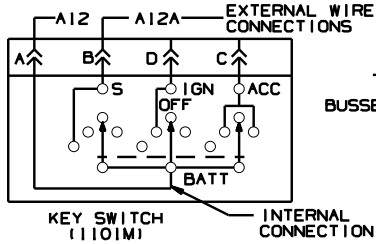
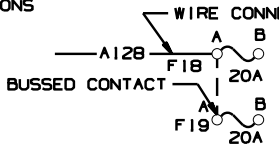

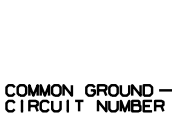
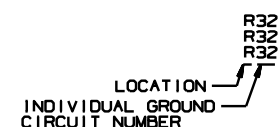

  

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	D4DEC07	DELETED AC & RR FROM	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	ABBREVIATIONS LIST				RELEASE NO.	DATE
					59974G	12SEP06
					PART NO.	SHEET
					AE08056608	001

2.2. ACRONYMS, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2																																																																																																																																																																									
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				ACRONYMS																																																																																																																																																																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">DESCRIPTION</th> <th style="width: 50%;">ACRONYM</th> </tr> </thead> <tbody> <tr><td>ANTILOCK BRAKING SYSTEM</td><td>ABS</td></tr> <tr><td>ANTENNA COMMUNICATION UNIT</td><td>ACU</td></tr> <tr><td>ALTERNATING CURRENT</td><td>AC</td></tr> <tr><td>AXLE TO BACK OF CAB</td><td>AC</td></tr> <tr><td>AXLE TO FRAME</td><td>AF</td></tr> <tr><td>ACCELERATOR PEDAL MODULE</td><td>APM</td></tr> <tr><td>ACCELERATOR POSITION SENSOR</td><td>APS</td></tr> <tr><td>AUXILIARY POWER UNIT</td><td>APU</td></tr> <tr><td>AMERICAN TRUCKING ASSOCIATION</td><td>ATA</td></tr> <tr><td>AUTOMATIC TRACTION CONTROL</td><td>ATC</td></tr> <tr><td>AUDIO VIDEO INTERFACE</td><td>AVI</td></tr> <tr><td>BAROMETRIC ATMOSPHERE PRESSURE</td><td>BAP</td></tr> <tr><td>BRAKE HORSEPOWER</td><td>BHP</td></tr> <tr><td>BACK OF CAB</td><td>BOC</td></tr> <tr><td>CITIZEN BAND</td><td>CB</td></tr> <tr><td>COLD CRANKING AMPERES</td><td>CCA</td></tr> <tr><td>CLEAN POWER ELECTRICAL CONNECTOR</td><td>CEC</td></tr> <tr><td>CENTRAL JUNCTION BOX</td><td>CJB</td></tr> <tr><td>CENTRAL PROCESSING UNIT</td><td>CPU</td></tr> <tr><td>CAB OVER ENGINE</td><td>COE</td></tr> <tr><td>DIRECT CURRENT</td><td>DC</td></tr> <tr><td>DRIVER CONTROL MODULE</td><td>DCM</td></tr> <tr><td>DIGITAL DATA LINK</td><td>DDL</td></tr> <tr><td>DIESEL OXIDATION CATALYST INLET TEMPERATURE</td><td>DOCT</td></tr> <tr><td>DIESEL PARTICULATE FILTER</td><td>DPF</td></tr> <tr><td>DIESEL PARTICULATE FILTER DELTA PRESSURE</td><td>DPFDP</td></tr> <tr><td>DIESEL PARTICULATE FILTER TEMPERATURE</td><td>DPFT</td></tr> <tr><td>DIESEL TURBOCHARGED</td><td>DT</td></tr> <tr><td>DAY TIME RUNNING LIGHTS</td><td>DTRL</td></tr> <tr><td>ELECTRONIC CONTROL MODULE</td><td>ECM</td></tr> <tr><td>ELECTRONIC CONTROL UNIT</td><td>ECU</td></tr> <tr><td>EXHAUST GAS RECIRCULATION</td><td>EGR</td></tr> <tr><td>EXHAUST GAS TEMPERATURE</td><td>EGT</td></tr> <tr><td>ELECTRO MAGNETIC INTERFERENCE</td><td>EMI</td></tr> <tr><td>END OF FRAME</td><td>EOF</td></tr> <tr><td>ELECTRIC TRAILER BRAKE</td><td>ETB</td></tr> <tr><td>FRONT AXLE</td><td>FA</td></tr> <tr><td>FRONT END</td><td>FE</td></tr> <tr><td>FRONT OF DASH</td><td>FOD</td></tr> <tr><td>FULL POWER BRAKE</td><td>FPB</td></tr> <tr><td>GENERIC ELECTRONIC MODULE</td><td>GEM</td></tr> <tr><td>GLOBAL POSITIONING SYSTEM</td><td>GPS</td></tr> <tr><td>HYDRAULIC CONTROL UNIT</td><td>HCU</td></tr> <tr><td>HEAVY DUTY</td><td>HD</td></tr> </tbody> </table>				DESCRIPTION	ACRONYM	ANTILOCK BRAKING SYSTEM	ABS	ANTENNA COMMUNICATION UNIT	ACU	ALTERNATING CURRENT	AC	AXLE TO BACK OF CAB	AC	AXLE TO FRAME	AF	ACCELERATOR PEDAL MODULE	APM	ACCELERATOR POSITION SENSOR	APS	AUXILIARY POWER UNIT	APU	AMERICAN TRUCKING ASSOCIATION	ATA	AUTOMATIC TRACTION CONTROL	ATC	AUDIO VIDEO INTERFACE	AVI	BAROMETRIC ATMOSPHERE PRESSURE	BAP	BRAKE HORSEPOWER	BHP	BACK OF CAB	BOC	CITIZEN BAND	CB	COLD CRANKING AMPERES	CCA	CLEAN POWER ELECTRICAL CONNECTOR	CEC	CENTRAL JUNCTION BOX	CJB	CENTRAL PROCESSING UNIT	CPU	CAB OVER ENGINE	COE	DIRECT CURRENT	DC	DRIVER CONTROL MODULE	DCM	DIGITAL DATA LINK	DDL	DIESEL OXIDATION CATALYST INLET TEMPERATURE	DOCT	DIESEL PARTICULATE FILTER	DPF	DIESEL PARTICULATE FILTER DELTA PRESSURE	DPFDP	DIESEL PARTICULATE FILTER TEMPERATURE	DPFT	DIESEL TURBOCHARGED	DT	DAY TIME RUNNING LIGHTS	DTRL	ELECTRONIC CONTROL MODULE	ECM	ELECTRONIC CONTROL UNIT	ECU	EXHAUST GAS RECIRCULATION	EGR	EXHAUST GAS TEMPERATURE	EGT	ELECTRO MAGNETIC INTERFERENCE	EMI	END OF FRAME	EOF	ELECTRIC TRAILER BRAKE	ETB	FRONT AXLE	FA	FRONT END	FE	FRONT OF DASH	FOD	FULL POWER BRAKE	FPB	GENERIC ELECTRONIC MODULE	GEM	GLOBAL POSITIONING SYSTEM	GPS	HYDRAULIC CONTROL UNIT	HCU	HEAVY DUTY	HD	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">DESCRIPTION</th> <th style="width: 50%;">ACRONYM</th> </tr> </thead> <tbody> <tr><td>HEAVY DUTY DIESEL</td><td>HDD</td></tr> <tr><td>HIGH PERFORMANCE TRUCK</td><td>HPT</td></tr> <tr><td>HIGH SIDE DRIVER</td><td>HSD</td></tr> <tr><td>HEATING, VENTILATION, AND AIR CONDITIONING</td><td>HVAC</td></tr> <tr><td>INJECTOR DRIVE MODULE</td><td>IDM</td></tr> <tr><td>INPUT/OUTPUT</td><td>I/O</td></tr> <tr><td>INTEGRATED MOBILE COMMUNICATION TERMINAL</td><td>IMCT</td></tr> <tr><td>INSTRUMENT PANEL</td><td>I/P</td></tr> <tr><td>INDEPENDENT POWER TAKE-OFF</td><td>IPTO</td></tr> <tr><td>INPUT SPEED SENSOR</td><td>ISS</td></tr> <tr><td>LIGHT COMMERCIAL TRANSMISSION</td><td>LCT</td></tr> <tr><td>LOW PRESSURE MODULE</td><td>LPM</td></tr> <tr><td>LOW SIDE DRIVE</td><td>LSD</td></tr> <tr><td>MEDIUM DUTY</td><td>MD</td></tr> <tr><td>MOMENTARY ENGINE IGNITION INTERRUPT RELAY</td><td>MEIIR</td></tr> <tr><td>MALFUNCTION INDICATION LAMP</td><td>MIL</td></tr> <tr><td>MULTIPLEX SWITCH MODULE</td><td>MSM</td></tr> <tr><td>OUTPUT SPEED SENSOR</td><td>OSS</td></tr> <tr><td>PYROMETER AMMETER MODULE</td><td>PAM</td></tr> <tr><td>POWER DISTRIBUTION CENTER</td><td>PDC</td></tr> <tr><td>PROGRAMMABLE LOGIC CONTROLLER</td><td>PLC</td></tr> <tr><td>POWER TAKE-OFF</td><td>PTO</td></tr> <tr><td>PULSE WIDTH MODULATION</td><td>PWM</td></tr> <tr><td>REAR AXLE</td><td>RA</td></tr> <tr><td>RADIO FREQUENCY</td><td>RF</td></tr> <tr><td>ROLL STABILITY PROGRAM</td><td>RSP</td></tr> <tr><td>SEVERE SERVICE</td><td>SS</td></tr> <tr><td>TRANSMISSION CONTROL MODULE</td><td>TCM</td></tr> <tr><td>TERRESTRIAL COMMUNICATION UNIT</td><td>TCU</td></tr> <tr><td>TERRESTRIAL MOBILE COMMUNICATION TERMINAL</td><td>TMCT</td></tr> <tr><td>THERMAL OVERCRANK PROTECTION</td><td>TOCP</td></tr> <tr><td>THROTTLE POSITION SENSOR</td><td>TPS</td></tr> <tr><td>TURBINE SPEED SENSOR</td><td>TSS</td></tr> <tr><td>VEHICLE SPEED OUTPUT</td><td>VSO</td></tr> <tr><td>VEHICLE SPEED SENSOR</td><td>VSS</td></tr> <tr><td>WORLD TRANSMISSION ELECTRONIC CONTROLS</td><td>WTEC</td></tr> <tr><td>ZERO VOLT REFERENCE</td><td>ZVR</td></tr> </tbody> </table>				DESCRIPTION	ACRONYM	HEAVY DUTY DIESEL	HDD	HIGH PERFORMANCE TRUCK	HPT	HIGH SIDE DRIVER	HSD	HEATING, VENTILATION, AND AIR CONDITIONING	HVAC	INJECTOR DRIVE MODULE	IDM	INPUT/OUTPUT	I/O	INTEGRATED MOBILE COMMUNICATION TERMINAL	IMCT	INSTRUMENT PANEL	I/P	INDEPENDENT POWER TAKE-OFF	IPTO	INPUT SPEED SENSOR	ISS	LIGHT COMMERCIAL TRANSMISSION	LCT	LOW PRESSURE MODULE	LPM	LOW SIDE DRIVE	LSD	MEDIUM DUTY	MD	MOMENTARY ENGINE IGNITION INTERRUPT RELAY	MEIIR	MALFUNCTION INDICATION LAMP	MIL	MULTIPLEX SWITCH MODULE	MSM	OUTPUT SPEED SENSOR	OSS	PYROMETER AMMETER MODULE	PAM	POWER DISTRIBUTION CENTER	PDC	PROGRAMMABLE LOGIC CONTROLLER	PLC	POWER TAKE-OFF	PTO	PULSE WIDTH MODULATION	PWM	REAR AXLE	RA	RADIO FREQUENCY	RF	ROLL STABILITY PROGRAM	RSP	SEVERE SERVICE	SS	TRANSMISSION CONTROL MODULE	TCM	TERRESTRIAL COMMUNICATION UNIT	TCU	TERRESTRIAL MOBILE COMMUNICATION TERMINAL	TMCT	THERMAL OVERCRANK PROTECTION	TOCP	THROTTLE POSITION SENSOR	TPS	TURBINE SPEED SENSOR	TSS	VEHICLE SPEED OUTPUT	VSO	VEHICLE SPEED SENSOR	VSS	WORLD TRANSMISSION ELECTRONIC CONTROLS	WTEC	ZERO VOLT REFERENCE	ZVR
DESCRIPTION	ACRONYM																																																																																																																																																																												
ANTILOCK BRAKING SYSTEM	ABS																																																																																																																																																																												
ANTENNA COMMUNICATION UNIT	ACU																																																																																																																																																																												
ALTERNATING CURRENT	AC																																																																																																																																																																												
AXLE TO BACK OF CAB	AC																																																																																																																																																																												
AXLE TO FRAME	AF																																																																																																																																																																												
ACCELERATOR PEDAL MODULE	APM																																																																																																																																																																												
ACCELERATOR POSITION SENSOR	APS																																																																																																																																																																												
AUXILIARY POWER UNIT	APU																																																																																																																																																																												
AMERICAN TRUCKING ASSOCIATION	ATA																																																																																																																																																																												
AUTOMATIC TRACTION CONTROL	ATC																																																																																																																																																																												
AUDIO VIDEO INTERFACE	AVI																																																																																																																																																																												
BAROMETRIC ATMOSPHERE PRESSURE	BAP																																																																																																																																																																												
BRAKE HORSEPOWER	BHP																																																																																																																																																																												
BACK OF CAB	BOC																																																																																																																																																																												
CITIZEN BAND	CB																																																																																																																																																																												
COLD CRANKING AMPERES	CCA																																																																																																																																																																												
CLEAN POWER ELECTRICAL CONNECTOR	CEC																																																																																																																																																																												
CENTRAL JUNCTION BOX	CJB																																																																																																																																																																												
CENTRAL PROCESSING UNIT	CPU																																																																																																																																																																												
CAB OVER ENGINE	COE																																																																																																																																																																												
DIRECT CURRENT	DC																																																																																																																																																																												
DRIVER CONTROL MODULE	DCM																																																																																																																																																																												
DIGITAL DATA LINK	DDL																																																																																																																																																																												
DIESEL OXIDATION CATALYST INLET TEMPERATURE	DOCT																																																																																																																																																																												
DIESEL PARTICULATE FILTER	DPF																																																																																																																																																																												
DIESEL PARTICULATE FILTER DELTA PRESSURE	DPFDP																																																																																																																																																																												
DIESEL PARTICULATE FILTER TEMPERATURE	DPFT																																																																																																																																																																												
DIESEL TURBOCHARGED	DT																																																																																																																																																																												
DAY TIME RUNNING LIGHTS	DTRL																																																																																																																																																																												
ELECTRONIC CONTROL MODULE	ECM																																																																																																																																																																												
ELECTRONIC CONTROL UNIT	ECU																																																																																																																																																																												
EXHAUST GAS RECIRCULATION	EGR																																																																																																																																																																												
EXHAUST GAS TEMPERATURE	EGT																																																																																																																																																																												
ELECTRO MAGNETIC INTERFERENCE	EMI																																																																																																																																																																												
END OF FRAME	EOF																																																																																																																																																																												
ELECTRIC TRAILER BRAKE	ETB																																																																																																																																																																												
FRONT AXLE	FA																																																																																																																																																																												
FRONT END	FE																																																																																																																																																																												
FRONT OF DASH	FOD																																																																																																																																																																												
FULL POWER BRAKE	FPB																																																																																																																																																																												
GENERIC ELECTRONIC MODULE	GEM																																																																																																																																																																												
GLOBAL POSITIONING SYSTEM	GPS																																																																																																																																																																												
HYDRAULIC CONTROL UNIT	HCU																																																																																																																																																																												
HEAVY DUTY	HD																																																																																																																																																																												
DESCRIPTION	ACRONYM																																																																																																																																																																												
HEAVY DUTY DIESEL	HDD																																																																																																																																																																												
HIGH PERFORMANCE TRUCK	HPT																																																																																																																																																																												
HIGH SIDE DRIVER	HSD																																																																																																																																																																												
HEATING, VENTILATION, AND AIR CONDITIONING	HVAC																																																																																																																																																																												
INJECTOR DRIVE MODULE	IDM																																																																																																																																																																												
INPUT/OUTPUT	I/O																																																																																																																																																																												
INTEGRATED MOBILE COMMUNICATION TERMINAL	IMCT																																																																																																																																																																												
INSTRUMENT PANEL	I/P																																																																																																																																																																												
INDEPENDENT POWER TAKE-OFF	IPTO																																																																																																																																																																												
INPUT SPEED SENSOR	ISS																																																																																																																																																																												
LIGHT COMMERCIAL TRANSMISSION	LCT																																																																																																																																																																												
LOW PRESSURE MODULE	LPM																																																																																																																																																																												
LOW SIDE DRIVE	LSD																																																																																																																																																																												
MEDIUM DUTY	MD																																																																																																																																																																												
MOMENTARY ENGINE IGNITION INTERRUPT RELAY	MEIIR																																																																																																																																																																												
MALFUNCTION INDICATION LAMP	MIL																																																																																																																																																																												
MULTIPLEX SWITCH MODULE	MSM																																																																																																																																																																												
OUTPUT SPEED SENSOR	OSS																																																																																																																																																																												
PYROMETER AMMETER MODULE	PAM																																																																																																																																																																												
POWER DISTRIBUTION CENTER	PDC																																																																																																																																																																												
PROGRAMMABLE LOGIC CONTROLLER	PLC																																																																																																																																																																												
POWER TAKE-OFF	PTO																																																																																																																																																																												
PULSE WIDTH MODULATION	PWM																																																																																																																																																																												
REAR AXLE	RA																																																																																																																																																																												
RADIO FREQUENCY	RF																																																																																																																																																																												
ROLL STABILITY PROGRAM	RSP																																																																																																																																																																												
SEVERE SERVICE	SS																																																																																																																																																																												
TRANSMISSION CONTROL MODULE	TCM																																																																																																																																																																												
TERRESTRIAL COMMUNICATION UNIT	TCU																																																																																																																																																																												
TERRESTRIAL MOBILE COMMUNICATION TERMINAL	TMCT																																																																																																																																																																												
THERMAL OVERCRANK PROTECTION	TOCP																																																																																																																																																																												
THROTTLE POSITION SENSOR	TPS																																																																																																																																																																												
TURBINE SPEED SENSOR	TSS																																																																																																																																																																												
VEHICLE SPEED OUTPUT	VSO																																																																																																																																																																												
VEHICLE SPEED SENSOR	VSS																																																																																																																																																																												
WORLD TRANSMISSION ELECTRONIC CONTROLS	WTEC																																																																																																																																																																												
ZERO VOLT REFERENCE	ZVR																																																																																																																																																																												
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																							
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																																																																																							
					RELEASE NO. 59974G	DATE 12SEP06																																																																																																																																																																							
						PART NO. AE08056608																																																																																																																																																																							
						SHEET 002																																																																																																																																																																							

2.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

<p><b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM</b>      <b>CHAPTER 2</b></p> <p><b>CIRCUIT DIAGRAM INSTRUCTIONS</b></p>																																										
<p><b>A - SWITCH AND RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>SWITCH, MECHANICAL      SOLENOID</p> </div> <div style="text-align: center;">  <p>RELAY - SUPPRESSED</p> </div> </div>	<p><b>B - MULTIPLE CONNECTIONS ARE DISPLAYED ON SCHEMATIC AS SHOWN WITH R/D NUMBER &amp; CAVITY NUMBER. REFER TO REFLECTOR COMPOSITE FOR MORE INFORMATION</b></p> <div style="text-align: center;">  <p>R/D NUMBER      CAVITY NUMBER</p> <p>(12-A)      AND/OR      (12)</p> <p>SINGLE IN-LINE CONNECTORS DISPLAYED AS SHOWN BELOW WITHOUT R/D NUMBER</p>  </div>																																										
<p><b>C - PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTER AND FUSE / CIRCUIT BREAKER CONNECTORS.</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>PRINTED CIRCUIT IN INSTRUMENT CLUSTER</p> </div> <div style="text-align: center;">  <p>VOLTMETER</p> </div> <div style="text-align: center;">  <p>LOCATION / CIRCUIT NUMBER WIRE GAUGE / WIRE COLOR</p> <p>LOCATION IN FUSE / CIRCUIT BREAKER CONNECTION</p> <p>FUSE RATING</p> </div> </div>																																											
<p><b>D - MULTIPLE CIRCUIT NUMBERS ON A LINE INDICATE ONE CIRCUIT DISTRIBUTING CURRENT TO TWO CIRCUITS.</b></p> <div style="text-align: center;">  <p>SPLICE</p> </div>																																											
<p><b>E - SWITCHES, RELAYS AND COMPONENTS INDICATE EXTERNAL WIRE CONNECTIONS AND / OR INTERNAL CONNECTIONS OR CONTACTS.</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>EXTERNAL WIRE CONNECTIONS</p> <p>KEY SWITCH (1101M)</p> <p>INTERNAL CONNECTION</p> </div> <div style="text-align: center;">  <p>WIRE CONNECTION</p> <p>BUSSED CONTACT</p> </div> <div style="text-align: center;">  <p>PIGTAIL</p> <p>BODY CONTROLLER (1602)</p> </div> </div>																																											
<p><b>F - CIRCUIT "11" DENOTES ANY COMMON GROUND (MORE THAN ONE CIRCUIT). ANY INDIVIDUAL GROUND CIRCUIT IS IDENTIFIED WITH THAT PARTICULAR CIRCUIT NUMBER. I.E.G. CIRCUIT 32 CRUISE CONTROL IS IDENTIFIED AS PER EXAMPLE)</b></p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>COMMON GROUND CIRCUIT NUMBER</p> </div> <div style="text-align: center;">  <p>SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT</p> </div> <div style="text-align: center;">  <p>LOCATION INDIVIDUAL GROUND CIRCUIT NUMBER</p> </div> <div style="text-align: center;">  <p>SUFFIX BEGINNING WITH G INDICATES A GROUND CIRCUIT</p> </div> </div> <p style="text-align: center; margin-top: 10px;">NOTE: FOR CIRCUIT DESCRIPTION OTHER THAN GROUNDS NEITHER THE LETTER "G" NOR THE COLOR WHITE SHALL BE USED</p>																																											
<table border="1" style="width:100%; border-collapse: collapse; font-size: small;"> <tr> <td>CHK</td> <td>DATE</td> <td>CHANGE</td> <td>REV</td> <td>REFERENCE</td> <td>DRAWN</td> <td>NAME</td> </tr> <tr> <td>CNA</td> <td>0MAY07</td> <td>REVISED &amp; REDRAWN</td> <td>A</td> <td>60782A</td> <td>U00K640</td> <td>42/43/44/85/8600 &amp; 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>59974G</td> <td>20APR06</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO.</td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AE08-56608</td> <td>03</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA	0MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO.	DATE						59974G	20APR06						PART NO.	SHEET						AE08-56608	03
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																					
CNA	0MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																					
					RELEASE NO.	DATE																																					
					59974G	20APR06																																					
					PART NO.	SHEET																																					
					AE08-56608	03																																					

2.4. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 4

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2																																																																																																																																																					
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CIRCUIT NUMBER IDENTIFICATION AND COLOR																																																																																																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">CIRCUIT NUMBER</th> <th style="width: 10%;">COLOR</th> <th style="width: 80%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>1</td><td>LTBL</td><td>ALTERNATOR - FIELD</td></tr> <tr><td>2</td><td>RD</td><td>ALTERNATOR - CHARGE</td></tr> <tr><td rowspan="2">3</td><td>DKBL</td><td>SERIAL / DATA COMMUNICATION J1587 / J1708 (+)</td></tr> <tr><td>GY</td><td>SERIAL / DATA COMMUNICATION J1587 / J1708 (-)</td></tr> <tr><td rowspan="2">4</td><td>DKBL</td><td>SERIAL / DATA COMMUNICATION J1922 (+)</td></tr> <tr><td>GY</td><td>SERIAL / DATA COMMUNICATION J1922 (-)</td></tr> <tr><td rowspan="2">5</td><td>YL</td><td>SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (+)</td></tr> <tr><td>GN</td><td>SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (-)</td></tr> <tr><td>6</td><td>GY</td><td>LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS)</td></tr> <tr><td>7</td><td>RD</td><td>ALTERNATOR - RESISTANCE</td></tr> <tr><td>8</td><td></td><td></td></tr> <tr><td>9</td><td>GY</td><td>LOW VOLTAGE ELECTRONIC GROUND</td></tr> <tr><td>10</td><td>WH</td><td>CHASSIS / ENGINE GROUND</td></tr> <tr><td>11</td><td>WH</td><td>CAB / SLEEPER GROUND</td></tr> <tr><td>12</td><td>LTBL</td><td>ACCESSORY FEED</td></tr> <tr><td rowspan="2">13</td><td>PK</td><td>IGNITION FEED</td></tr> <tr><td>BK</td><td>IGNITION FEED (BODY BUILDER CONNECTOR)</td></tr> <tr><td>14</td><td>RD</td><td>BATTERY FEED</td></tr> <tr><td>15</td><td>RD</td><td>KEY SWITCH FEED</td></tr> <tr><td>16</td><td></td><td></td></tr> <tr><td>17</td><td>PK</td><td>STARTER CONTROL</td></tr> <tr><td>18</td><td>PK</td><td>GLOW PLUG / PRE-HEATER</td></tr> <tr><td>19</td><td>GY</td><td>ENGINE SHUTDOWN</td></tr> <tr><td>20</td><td>LTGN</td><td>REMOTE POWER MODULE</td></tr> <tr><td>21</td><td>TN</td><td>COLD START CONTROLS (ETHER)</td></tr> <tr><td>22</td><td>TN</td><td>TIRE PRESSURE MONITORING / CONTROL</td></tr> <tr><td>23</td><td>TN</td><td>ENGINE FAN / SHUTTERS</td></tr> <tr><td>24</td><td>GY</td><td>ENGINE EXHAUST BRAKE</td></tr> <tr><td>25</td><td>TN</td><td>PYROMETER</td></tr> <tr><td>26</td><td>TN</td><td>AMMETER</td></tr> <tr><td>27</td><td>TN</td><td>VOLTMETER</td></tr> <tr><td>28</td><td>TN</td><td>INSTRUMENTS AND GAUGES</td></tr> <tr><td>29</td><td>TN</td><td>ENGINE WATER TEMPERATURE</td></tr> <tr><td>30</td><td>TN</td><td>ENGINE OIL TEMPERATURE</td></tr> <tr><td>31</td><td>TN</td><td>TRANSMISSION OIL TEMPERATURE</td></tr> <tr><td>32</td><td>TN</td><td>AXLE OIL TEMPERATURE</td></tr> <tr><td>33</td><td>TN</td><td>ENGINE OIL LEVEL</td></tr> <tr><td>34</td><td>TN</td><td>COOLANT LEVEL</td></tr> <tr><td>35</td><td>TN</td><td>ENGINE OIL PRESSURE</td></tr> <tr><td>36</td><td>TN</td><td>FUEL LEVEL</td></tr> <tr><td>37</td><td>TN</td><td>FUEL PUMP</td></tr> <tr><td>38</td><td>GY</td><td>LIFT AXLE</td></tr> <tr><td>39</td><td>GY</td><td>AIR DRYER HEATER</td></tr> <tr><td>40</td><td>GY</td><td>LOW AIR PRESSURE WARNING</td></tr> <tr><td>41</td><td>TN</td><td>AIR TEMPERATURE</td></tr> <tr><td>42</td><td>GY</td><td>FRONT AXLE ENGAGED</td></tr> <tr><td>43</td><td>GY</td><td>POWER DIVIDER LOCK (PDL) WARNING</td></tr> <tr><td>44</td><td>GY</td><td>PARK BRAKE WARNING</td></tr> <tr><td>45</td><td>LTGN</td><td>ANTI-THEFT WARNING</td></tr> </tbody> </table>								CIRCUIT NUMBER	COLOR	DESCRIPTION	1	LTBL	ALTERNATOR - FIELD	2	RD	ALTERNATOR - CHARGE	3	DKBL	SERIAL / DATA COMMUNICATION J1587 / J1708 (+)	GY	SERIAL / DATA COMMUNICATION J1587 / J1708 (-)	4	DKBL	SERIAL / DATA COMMUNICATION J1922 (+)	GY	SERIAL / DATA COMMUNICATION J1922 (-)	5	YL	SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (+)	GN	SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (-)	6	GY	LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS)	7	RD	ALTERNATOR - RESISTANCE	8			9	GY	LOW VOLTAGE ELECTRONIC GROUND	10	WH	CHASSIS / ENGINE GROUND	11	WH	CAB / SLEEPER GROUND	12	LTBL	ACCESSORY FEED	13	PK	IGNITION FEED	BK	IGNITION FEED (BODY BUILDER CONNECTOR)	14	RD	BATTERY FEED	15	RD	KEY SWITCH FEED	16			17	PK	STARTER CONTROL	18	PK	GLOW PLUG / PRE-HEATER	19	GY	ENGINE SHUTDOWN	20	LTGN	REMOTE POWER MODULE	21	TN	COLD START CONTROLS (ETHER)	22	TN	TIRE PRESSURE MONITORING / CONTROL	23	TN	ENGINE FAN / SHUTTERS	24	GY	ENGINE EXHAUST BRAKE	25	TN	PYROMETER	26	TN	AMMETER	27	TN	VOLTMETER	28	TN	INSTRUMENTS AND GAUGES	29	TN	ENGINE WATER TEMPERATURE	30	TN	ENGINE OIL TEMPERATURE	31	TN	TRANSMISSION OIL TEMPERATURE	32	TN	AXLE OIL TEMPERATURE	33	TN	ENGINE OIL LEVEL	34	TN	COOLANT LEVEL	35	TN	ENGINE OIL PRESSURE	36	TN	FUEL LEVEL	37	TN	FUEL PUMP	38	GY	LIFT AXLE	39	GY	AIR DRYER HEATER	40	GY	LOW AIR PRESSURE WARNING	41	TN	AIR TEMPERATURE	42	GY	FRONT AXLE ENGAGED	43	GY	POWER DIVIDER LOCK (PDL) WARNING	44	GY	PARK BRAKE WARNING	45	LTGN	ANTI-THEFT WARNING
CIRCUIT NUMBER	COLOR	DESCRIPTION																																																																																																																																																							
1	LTBL	ALTERNATOR - FIELD																																																																																																																																																							
2	RD	ALTERNATOR - CHARGE																																																																																																																																																							
3	DKBL	SERIAL / DATA COMMUNICATION J1587 / J1708 (+)																																																																																																																																																							
	GY	SERIAL / DATA COMMUNICATION J1587 / J1708 (-)																																																																																																																																																							
4	DKBL	SERIAL / DATA COMMUNICATION J1922 (+)																																																																																																																																																							
	GY	SERIAL / DATA COMMUNICATION J1922 (-)																																																																																																																																																							
5	YL	SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (+)																																																																																																																																																							
	GN	SERIAL / DATA COMMUNICATION J1939 /11 / J1939/15 (-)																																																																																																																																																							
6	GY	LOW VOLTAGE ELECTRONIC FEED (LESS THAN 9 VOLTS)																																																																																																																																																							
7	RD	ALTERNATOR - RESISTANCE																																																																																																																																																							
8																																																																																																																																																									
9	GY	LOW VOLTAGE ELECTRONIC GROUND																																																																																																																																																							
10	WH	CHASSIS / ENGINE GROUND																																																																																																																																																							
11	WH	CAB / SLEEPER GROUND																																																																																																																																																							
12	LTBL	ACCESSORY FEED																																																																																																																																																							
13	PK	IGNITION FEED																																																																																																																																																							
	BK	IGNITION FEED (BODY BUILDER CONNECTOR)																																																																																																																																																							
14	RD	BATTERY FEED																																																																																																																																																							
15	RD	KEY SWITCH FEED																																																																																																																																																							
16																																																																																																																																																									
17	PK	STARTER CONTROL																																																																																																																																																							
18	PK	GLOW PLUG / PRE-HEATER																																																																																																																																																							
19	GY	ENGINE SHUTDOWN																																																																																																																																																							
20	LTGN	REMOTE POWER MODULE																																																																																																																																																							
21	TN	COLD START CONTROLS (ETHER)																																																																																																																																																							
22	TN	TIRE PRESSURE MONITORING / CONTROL																																																																																																																																																							
23	TN	ENGINE FAN / SHUTTERS																																																																																																																																																							
24	GY	ENGINE EXHAUST BRAKE																																																																																																																																																							
25	TN	PYROMETER																																																																																																																																																							
26	TN	AMMETER																																																																																																																																																							
27	TN	VOLTMETER																																																																																																																																																							
28	TN	INSTRUMENTS AND GAUGES																																																																																																																																																							
29	TN	ENGINE WATER TEMPERATURE																																																																																																																																																							
30	TN	ENGINE OIL TEMPERATURE																																																																																																																																																							
31	TN	TRANSMISSION OIL TEMPERATURE																																																																																																																																																							
32	TN	AXLE OIL TEMPERATURE																																																																																																																																																							
33	TN	ENGINE OIL LEVEL																																																																																																																																																							
34	TN	COOLANT LEVEL																																																																																																																																																							
35	TN	ENGINE OIL PRESSURE																																																																																																																																																							
36	TN	FUEL LEVEL																																																																																																																																																							
37	TN	FUEL PUMP																																																																																																																																																							
38	GY	LIFT AXLE																																																																																																																																																							
39	GY	AIR DRYER HEATER																																																																																																																																																							
40	GY	LOW AIR PRESSURE WARNING																																																																																																																																																							
41	TN	AIR TEMPERATURE																																																																																																																																																							
42	GY	FRONT AXLE ENGAGED																																																																																																																																																							
43	GY	POWER DIVIDER LOCK (PDL) WARNING																																																																																																																																																							
44	GY	PARK BRAKE WARNING																																																																																																																																																							
45	LTGN	ANTI-THEFT WARNING																																																																																																																																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																			
-		REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																																																																			
					RELEASE NO.	DATE	PART NO. SHEET																																																																																																																																																		
					59974G	20APR06	AE08056608 004																																																																																																																																																		



2.5. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 5

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2																																																																																																																																						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)																																																																																																																																						
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">CIRCUIT NUMBER</th> <th style="width: 10%;">COLOR</th> <th style="width: 80%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>46</td><td>GY</td><td>POWER TAKE-OFF WARNING</td></tr> <tr><td>47</td><td>GY</td><td>SPEEDOMETER</td></tr> <tr><td>48</td><td>GY</td><td>TACHOMETER</td></tr> <tr><td>49</td><td>GY</td><td>DIFFERENTIAL LOCK WARNING</td></tr> <tr><td>50</td><td>YL</td><td>LIGHT SWITCH FEED</td></tr> <tr><td>51</td><td>YL</td><td>DIMMER SWITCH FEED</td></tr> <tr><td>52</td><td>YL</td><td>HEADLIGHT HI - BEAM</td></tr> <tr><td>53</td><td>YL</td><td>HEADLIGHT LO - BEAM</td></tr> <tr><td>54</td><td>BN</td><td>PARKING / MARKER LIGHTS</td></tr> <tr><td>55</td><td>OR</td><td>TURN SIGNAL - FEED</td></tr> <tr><td rowspan="2">56</td><td>OR</td><td>TURN SIGNAL LIGHTS - LEFT</td></tr> <tr><td>YL</td><td>TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)</td></tr> <tr><td rowspan="2">57</td><td>OR</td><td>TURN SIGNAL LIGHTS - RIGHT</td></tr> <tr><td>LTGN</td><td>TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)</td></tr> <tr><td>58</td><td>BN</td><td>CLEARANCE / IDENTIFICATION LIGHTS</td></tr> <tr><td>59</td><td>GY</td><td>SOLENOID</td></tr> <tr><td>60</td><td>OR</td><td>HAZARD LIGHTS</td></tr> <tr><td>61</td><td>GY</td><td>AIR SUSPENSION</td></tr> <tr><td>62</td><td>DKBL</td><td>PANEL LIGHTS</td></tr> <tr><td>63</td><td>DKBL</td><td>COURTESY / DOME LIGHTS</td></tr> <tr><td>64</td><td>YL</td><td>FOG / DRIVING LIGHTS</td></tr> <tr><td>65</td><td>OR</td><td>CAB REAR FLOOD LIGHTS</td></tr> <tr><td>66</td><td>YL</td><td>DAYTIME RUNNING LIGHTS</td></tr> <tr><td>67</td><td>GY</td><td>OBSTACLE AVOIDANCE / REMOTE SENSOR</td></tr> <tr><td>68</td><td>BN</td><td>TAIL LIGHTS</td></tr> <tr><td>69</td><td>BN</td><td>LICENSE PLATE LIGHT</td></tr> <tr><td rowspan="2">70</td><td>OR</td><td>STOP LIGHTS</td></tr> <tr><td>RD</td><td>STOP LIGHTS (BODY BUILDER CONNECTION)</td></tr> <tr><td rowspan="2">71</td><td>OR</td><td>BACK-UP LIGHTS</td></tr> <tr><td>LTBL</td><td>BACK-UP LIGHTS (BODY BUILDER CONNECTION)</td></tr> <tr><td>72</td><td>OR</td><td>TRAILER AUXILIARY FEED - BATTERY</td></tr> <tr><td>73</td><td>LTGN</td><td>PWM</td></tr> <tr><td>74</td><td>LTGN</td><td>HEATER RECIRCULATION MOTOR</td></tr> <tr><td>75</td><td>LTGN</td><td>HEATER BLOWER MOTOR</td></tr> <tr><td>76</td><td>LTGN</td><td>AUXILIARY FAN</td></tr> <tr><td>77</td><td>LTGN</td><td>AIR CONDITIONER</td></tr> <tr><td>78</td><td>LTGN</td><td>MIRRORS - HEATED, MOTORIZED</td></tr> <tr><td>79</td><td>GY</td><td>SEAT BELTS</td></tr> <tr><td>80</td><td>BK</td><td>SLEEPER BOX RELAY - FEED</td></tr> <tr><td>81</td><td>LTGN</td><td>POWER DOOR LOCKS</td></tr> <tr><td>82</td><td>GY</td><td>WINDSHIELD WIPER</td></tr> <tr><td>83</td><td>LTGN</td><td>POWER WINDOWS</td></tr> <tr><td>84</td><td>LTGN</td><td>CIGAR LIGHTER</td></tr> <tr><td>85</td><td>GY</td><td>HORN</td></tr> </tbody> </table>								CIRCUIT NUMBER	COLOR	DESCRIPTION	46	GY	POWER TAKE-OFF WARNING	47	GY	SPEEDOMETER	48	GY	TACHOMETER	49	GY	DIFFERENTIAL LOCK WARNING	50	YL	LIGHT SWITCH FEED	51	YL	DIMMER SWITCH FEED	52	YL	HEADLIGHT HI - BEAM	53	YL	HEADLIGHT LO - BEAM	54	BN	PARKING / MARKER LIGHTS	55	OR	TURN SIGNAL - FEED	56	OR	TURN SIGNAL LIGHTS - LEFT	YL	TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)	57	OR	TURN SIGNAL LIGHTS - RIGHT	LTGN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)	58	BN	CLEARANCE / IDENTIFICATION LIGHTS	59	GY	SOLENOID	60	OR	HAZARD LIGHTS	61	GY	AIR SUSPENSION	62	DKBL	PANEL LIGHTS	63	DKBL	COURTESY / DOME LIGHTS	64	YL	FOG / DRIVING LIGHTS	65	OR	CAB REAR FLOOD LIGHTS	66	YL	DAYTIME RUNNING LIGHTS	67	GY	OBSTACLE AVOIDANCE / REMOTE SENSOR	68	BN	TAIL LIGHTS	69	BN	LICENSE PLATE LIGHT	70	OR	STOP LIGHTS	RD	STOP LIGHTS (BODY BUILDER CONNECTION)	71	OR	BACK-UP LIGHTS	LTBL	BACK-UP LIGHTS (BODY BUILDER CONNECTION)	72	OR	TRAILER AUXILIARY FEED - BATTERY	73	LTGN	PWM	74	LTGN	HEATER RECIRCULATION MOTOR	75	LTGN	HEATER BLOWER MOTOR	76	LTGN	AUXILIARY FAN	77	LTGN	AIR CONDITIONER	78	LTGN	MIRRORS - HEATED, MOTORIZED	79	GY	SEAT BELTS	80	BK	SLEEPER BOX RELAY - FEED	81	LTGN	POWER DOOR LOCKS	82	GY	WINDSHIELD WIPER	83	LTGN	POWER WINDOWS	84	LTGN	CIGAR LIGHTER	85	GY	HORN
CIRCUIT NUMBER	COLOR	DESCRIPTION																																																																																																																																								
46	GY	POWER TAKE-OFF WARNING																																																																																																																																								
47	GY	SPEEDOMETER																																																																																																																																								
48	GY	TACHOMETER																																																																																																																																								
49	GY	DIFFERENTIAL LOCK WARNING																																																																																																																																								
50	YL	LIGHT SWITCH FEED																																																																																																																																								
51	YL	DIMMER SWITCH FEED																																																																																																																																								
52	YL	HEADLIGHT HI - BEAM																																																																																																																																								
53	YL	HEADLIGHT LO - BEAM																																																																																																																																								
54	BN	PARKING / MARKER LIGHTS																																																																																																																																								
55	OR	TURN SIGNAL - FEED																																																																																																																																								
56	OR	TURN SIGNAL LIGHTS - LEFT																																																																																																																																								
	YL	TURN SIGNAL LIGHTS - LEFT (BODY BUILDER CONNECTION)																																																																																																																																								
57	OR	TURN SIGNAL LIGHTS - RIGHT																																																																																																																																								
	LTGN	TURN SIGNAL LIGHTS - RIGHT (BODY BUILDER CONNECTION)																																																																																																																																								
58	BN	CLEARANCE / IDENTIFICATION LIGHTS																																																																																																																																								
59	GY	SOLENOID																																																																																																																																								
60	OR	HAZARD LIGHTS																																																																																																																																								
61	GY	AIR SUSPENSION																																																																																																																																								
62	DKBL	PANEL LIGHTS																																																																																																																																								
63	DKBL	COURTESY / DOME LIGHTS																																																																																																																																								
64	YL	FOG / DRIVING LIGHTS																																																																																																																																								
65	OR	CAB REAR FLOOD LIGHTS																																																																																																																																								
66	YL	DAYTIME RUNNING LIGHTS																																																																																																																																								
67	GY	OBSTACLE AVOIDANCE / REMOTE SENSOR																																																																																																																																								
68	BN	TAIL LIGHTS																																																																																																																																								
69	BN	LICENSE PLATE LIGHT																																																																																																																																								
70	OR	STOP LIGHTS																																																																																																																																								
	RD	STOP LIGHTS (BODY BUILDER CONNECTION)																																																																																																																																								
71	OR	BACK-UP LIGHTS																																																																																																																																								
	LTBL	BACK-UP LIGHTS (BODY BUILDER CONNECTION)																																																																																																																																								
72	OR	TRAILER AUXILIARY FEED - BATTERY																																																																																																																																								
73	LTGN	PWM																																																																																																																																								
74	LTGN	HEATER RECIRCULATION MOTOR																																																																																																																																								
75	LTGN	HEATER BLOWER MOTOR																																																																																																																																								
76	LTGN	AUXILIARY FAN																																																																																																																																								
77	LTGN	AIR CONDITIONER																																																																																																																																								
78	LTGN	MIRRORS - HEATED, MOTORIZED																																																																																																																																								
79	GY	SEAT BELTS																																																																																																																																								
80	BK	SLEEPER BOX RELAY - FEED																																																																																																																																								
81	LTGN	POWER DOOR LOCKS																																																																																																																																								
82	GY	WINDSHIELD WIPER																																																																																																																																								
83	LTGN	POWER WINDOWS																																																																																																																																								
84	LTGN	CIGAR LIGHTER																																																																																																																																								
85	GY	HORN																																																																																																																																								
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																				
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																																																				
					RELEASE NO.	DATE	PART NO.																																																																																																																																			
					59974G	12SEP06	AE08056608																																																																																																																																			
						SHEET	005																																																																																																																																			

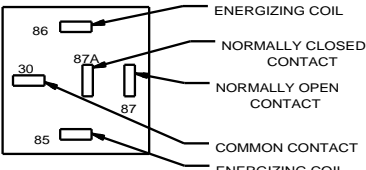
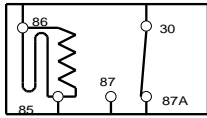
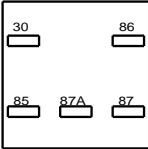
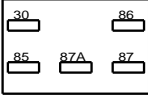
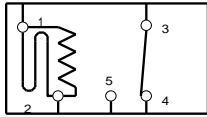
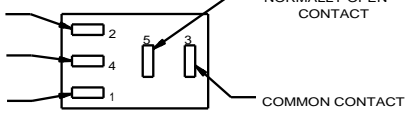
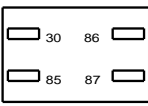
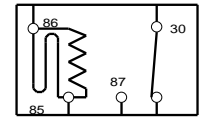
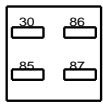
2.6. CIRCUIT NUMBER IDENTIFICATION AND COLOR, P. 6

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2																																																																																																																															
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CIRCUIT NUMBER IDENTIFICATION AND COLOR (CONT)																																																																																																																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">CIRCUIT NUMBER</th> <th style="width: 15%;">COLOR</th> <th style="width: 85%;">DESCRIPTION</th> </tr> </thead> <tbody> <tr><td>86</td><td>LTGN</td><td>RADIO - ENTERTAINMENT</td></tr> <tr><td>87</td><td>GY</td><td>WINDSHIELD WASHER</td></tr> <tr><td>88</td><td>LTGN</td><td>CLOCK / HOURMETER</td></tr> <tr><td>89</td><td>VT</td><td>AIR BAG</td></tr> <tr><td>90</td><td>GY</td><td>HYDRAULIC BRAKE PUMP</td></tr> <tr><td>91</td><td>VT</td><td>INTERCOMMUNICATIONS</td></tr> <tr><td>92</td><td>TN</td><td>TRANSMISSION CONTROLS - ELECTRONIC</td></tr> <tr><td>93</td><td>TN</td><td>AXLE SHIFT CONTROL</td></tr> <tr><td>94</td><td>GY</td><td>ANTILOCK BRAKE SYSTEM</td></tr> <tr><td>95</td><td>TN</td><td>EXHAUST EMISSION</td></tr> <tr><td>96</td><td>YL</td><td>SNOW PLOW LIGHTS / CRUISE CONTROLS</td></tr> <tr><td>97</td><td>VT</td><td>ENGINE CONTROLS - ELECTRONIC</td></tr> <tr><td>98</td><td>BK</td><td>DATALINK AND DIAGNOSTICS</td></tr> <tr><td>99</td><td>VT</td><td>ACCELERATOR POSITION SENSOR (APS)</td></tr> <tr><td>100</td><td>GY</td><td>AIR HORN (ELECTRIC SOLENOID ACTUATED)</td></tr> <tr><td>101</td><td>TN</td><td>BRAKE APPLICATION AIR</td></tr> <tr><td>102</td><td>YL</td><td>FLASH TO PASS</td></tr> <tr><td>103</td><td>LTGN</td><td>BODY BUILDER AUXILIARY FEED</td></tr> <tr><td>104</td><td>DKBL</td><td>REMOTE START / STOP</td></tr> <tr><td>105</td><td>LTGN</td><td>HEATED SEATS</td></tr> <tr><td>106</td><td>OR</td><td>HIGH VOLTAGE ALTERNATOR AC CHARGE</td></tr> <tr><td>107</td><td>GY</td><td>INSTRUMENT CLUSTER ELECTRONIC FEED (5V)</td></tr> <tr><td>108</td><td>GY</td><td>BRAKE PAD WEAR SENSOR</td></tr> <tr><td>109</td><td>GY</td><td>SLACK ADJUSTER</td></tr> <tr><td>110</td><td>GY</td><td>INSTRUMENT CLUSTER ELECTRONIC GROUND</td></tr> <tr><td>111</td><td>TN</td><td>FUEL FILTER RESTRICTION TRANSDUCERS</td></tr> <tr><td>112</td><td>GY</td><td>LIFT GATE</td></tr> </tbody> </table> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">PREFIX</th> <th style="width: 90%;">LOCATION</th> </tr> </thead> <tbody> <tr><td>A</td><td>CAB - INSTRUMENT PANEL MODULE</td></tr> <tr><td>B</td><td>CAB - DRIVER CONTROL MODULE</td></tr> <tr><td>C</td><td>CAB - HEADER / CLEARANCE LIGHTS</td></tr> <tr><td>D</td><td>CAB - ROOF / REAR PANEL</td></tr> <tr><td>E</td><td>CAB - LEFT DOOR / DOORS</td></tr> <tr><td>F</td><td>CAB - RIGHT DOOR / DOORS</td></tr> <tr><td>H</td><td>CAB - SLEEPER</td></tr> <tr><td>J</td><td>CAB - DASH (OUTSIDE)</td></tr> <tr><td>K</td><td>ENGINE / RADIATOR</td></tr> <tr><td>L</td><td>TRANSMISSION</td></tr> <tr><td>M</td><td>CHASSIS / FRONT END (CAB DASH PANEL FORWARD)</td></tr> <tr><td>N</td><td>CHASSIS - CENTER SECTION (CAB DASH PANEL TO CAB REAR CROSS MEMBER)</td></tr> <tr><td>P</td><td>CHASSIS - WHEEL BASE SECTION</td></tr> <tr><td>R</td><td>CHASSIS - SUSPENSION / REAR AXLE / AXLES</td></tr> <tr><td>S</td><td>CHASSIS - AF SECTION / STOP / TAIL / TURN LIGHTS</td></tr> <tr><td>T</td><td>TRAVEL DOORS</td></tr> <tr><td>U</td><td>HOOD MTD HEADLIGHTS / MARKER LIGHTS</td></tr> <tr><td>V</td><td>SLEEPER ROOF / BACK PANEL WIRING</td></tr> <tr><td>W</td><td>WARDROBE CABINET WIRING</td></tr> </tbody> </table>								CIRCUIT NUMBER	COLOR	DESCRIPTION	86	LTGN	RADIO - ENTERTAINMENT	87	GY	WINDSHIELD WASHER	88	LTGN	CLOCK / HOURMETER	89	VT	AIR BAG	90	GY	HYDRAULIC BRAKE PUMP	91	VT	INTERCOMMUNICATIONS	92	TN	TRANSMISSION CONTROLS - ELECTRONIC	93	TN	AXLE SHIFT CONTROL	94	GY	ANTILOCK BRAKE SYSTEM	95	TN	EXHAUST EMISSION	96	YL	SNOW PLOW LIGHTS / CRUISE CONTROLS	97	VT	ENGINE CONTROLS - ELECTRONIC	98	BK	DATALINK AND DIAGNOSTICS	99	VT	ACCELERATOR POSITION SENSOR (APS)	100	GY	AIR HORN (ELECTRIC SOLENOID ACTUATED)	101	TN	BRAKE APPLICATION AIR	102	YL	FLASH TO PASS	103	LTGN	BODY BUILDER AUXILIARY FEED	104	DKBL	REMOTE START / STOP	105	LTGN	HEATED SEATS	106	OR	HIGH VOLTAGE ALTERNATOR AC CHARGE	107	GY	INSTRUMENT CLUSTER ELECTRONIC FEED (5V)	108	GY	BRAKE PAD WEAR SENSOR	109	GY	SLACK ADJUSTER	110	GY	INSTRUMENT CLUSTER ELECTRONIC GROUND	111	TN	FUEL FILTER RESTRICTION TRANSDUCERS	112	GY	LIFT GATE	PREFIX	LOCATION	A	CAB - INSTRUMENT PANEL MODULE	B	CAB - DRIVER CONTROL MODULE	C	CAB - HEADER / CLEARANCE LIGHTS	D	CAB - ROOF / REAR PANEL	E	CAB - LEFT DOOR / DOORS	F	CAB - RIGHT DOOR / DOORS	H	CAB - SLEEPER	J	CAB - DASH (OUTSIDE)	K	ENGINE / RADIATOR	L	TRANSMISSION	M	CHASSIS / FRONT END (CAB DASH PANEL FORWARD)	N	CHASSIS - CENTER SECTION (CAB DASH PANEL TO CAB REAR CROSS MEMBER)	P	CHASSIS - WHEEL BASE SECTION	R	CHASSIS - SUSPENSION / REAR AXLE / AXLES	S	CHASSIS - AF SECTION / STOP / TAIL / TURN LIGHTS	T	TRAVEL DOORS	U	HOOD MTD HEADLIGHTS / MARKER LIGHTS	V	SLEEPER ROOF / BACK PANEL WIRING	W	WARDROBE CABINET WIRING
CIRCUIT NUMBER	COLOR	DESCRIPTION																																																																																																																																	
86	LTGN	RADIO - ENTERTAINMENT																																																																																																																																	
87	GY	WINDSHIELD WASHER																																																																																																																																	
88	LTGN	CLOCK / HOURMETER																																																																																																																																	
89	VT	AIR BAG																																																																																																																																	
90	GY	HYDRAULIC BRAKE PUMP																																																																																																																																	
91	VT	INTERCOMMUNICATIONS																																																																																																																																	
92	TN	TRANSMISSION CONTROLS - ELECTRONIC																																																																																																																																	
93	TN	AXLE SHIFT CONTROL																																																																																																																																	
94	GY	ANTILOCK BRAKE SYSTEM																																																																																																																																	
95	TN	EXHAUST EMISSION																																																																																																																																	
96	YL	SNOW PLOW LIGHTS / CRUISE CONTROLS																																																																																																																																	
97	VT	ENGINE CONTROLS - ELECTRONIC																																																																																																																																	
98	BK	DATALINK AND DIAGNOSTICS																																																																																																																																	
99	VT	ACCELERATOR POSITION SENSOR (APS)																																																																																																																																	
100	GY	AIR HORN (ELECTRIC SOLENOID ACTUATED)																																																																																																																																	
101	TN	BRAKE APPLICATION AIR																																																																																																																																	
102	YL	FLASH TO PASS																																																																																																																																	
103	LTGN	BODY BUILDER AUXILIARY FEED																																																																																																																																	
104	DKBL	REMOTE START / STOP																																																																																																																																	
105	LTGN	HEATED SEATS																																																																																																																																	
106	OR	HIGH VOLTAGE ALTERNATOR AC CHARGE																																																																																																																																	
107	GY	INSTRUMENT CLUSTER ELECTRONIC FEED (5V)																																																																																																																																	
108	GY	BRAKE PAD WEAR SENSOR																																																																																																																																	
109	GY	SLACK ADJUSTER																																																																																																																																	
110	GY	INSTRUMENT CLUSTER ELECTRONIC GROUND																																																																																																																																	
111	TN	FUEL FILTER RESTRICTION TRANSDUCERS																																																																																																																																	
112	GY	LIFT GATE																																																																																																																																	
PREFIX	LOCATION																																																																																																																																		
A	CAB - INSTRUMENT PANEL MODULE																																																																																																																																		
B	CAB - DRIVER CONTROL MODULE																																																																																																																																		
C	CAB - HEADER / CLEARANCE LIGHTS																																																																																																																																		
D	CAB - ROOF / REAR PANEL																																																																																																																																		
E	CAB - LEFT DOOR / DOORS																																																																																																																																		
F	CAB - RIGHT DOOR / DOORS																																																																																																																																		
H	CAB - SLEEPER																																																																																																																																		
J	CAB - DASH (OUTSIDE)																																																																																																																																		
K	ENGINE / RADIATOR																																																																																																																																		
L	TRANSMISSION																																																																																																																																		
M	CHASSIS / FRONT END (CAB DASH PANEL FORWARD)																																																																																																																																		
N	CHASSIS - CENTER SECTION (CAB DASH PANEL TO CAB REAR CROSS MEMBER)																																																																																																																																		
P	CHASSIS - WHEEL BASE SECTION																																																																																																																																		
R	CHASSIS - SUSPENSION / REAR AXLE / AXLES																																																																																																																																		
S	CHASSIS - AF SECTION / STOP / TAIL / TURN LIGHTS																																																																																																																																		
T	TRAVEL DOORS																																																																																																																																		
U	HOOD MTD HEADLIGHTS / MARKER LIGHTS																																																																																																																																		
V	SLEEPER ROOF / BACK PANEL WIRING																																																																																																																																		
W	WARDROBE CABINET WIRING																																																																																																																																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																													
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																																													
					RELEASE NO. 59974G	DATE 12SEP06	PART NO. AE08056608																																																																																																																												
							SHEET 006																																																																																																																												

2.7. LAMP BULB CHART, P. 7

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 2	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				LAMP BULB CHART			
BULB APPLICATION		CANDLEPOWER OR WATT		BULB TRADE NUMBER			
BACK - UP LIGHTS		32 CP		GE1156			
CLEARANCE & IDENTIFICATION		3 CP		GE193			
COURTESY LIGHT		3CP		GE168			
FOG LIGHTS		55 WATTS		VH550			
LOW BEAMS		65 WATTS		GE9007			
HIGH BEAMS		65 WATTS		GE9007			
MAP LIGHT		3 CP		1816			
SIDE MARKER				2548			
STOP & TURN / TAIL & LICENSE PLATE		32/3 CP		1157			
TURN SIGNAL / MARKER (FENDER)				3157			
TURN SIGNAL & MARKER LIGHT				2356			
WORK (TRAILER HOOK - UP)		35 WATTS		4411			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					59974G	20APR06	AF08-56608
						SHEET	07

2.8. RELAY FUNCTION AND WIRING GUIDE, P. 8


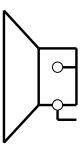
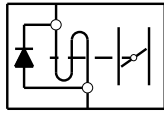
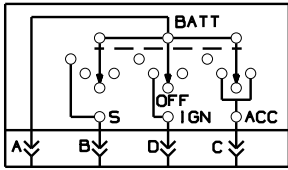

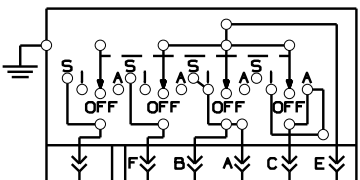

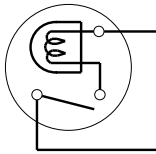

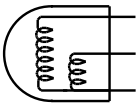
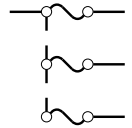


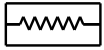

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 2	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				RELAY FUNCTION AND WIRING GUIDE			
RELAY VIEWED FROM INSERTION END				RELAY SCHEMATIC			
MINIATURE - ISO (1) 							
MINIATURE - 280 (1) 							
MICRO - 280 (1) 							
MICRO - ISO (1) 							
MICRO - 4 PIN (1) 							
MINI MICRO - 4 PIN (2) 							
NOTES : 1. RELAY CONTAINS A 680 OHM SUPPRESSION RESISTOR 2. RELAY CONTAINS A 1000 OHM SUPPRESSION RESISTOR							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					59974G	20APR06	AF08-56608
							08

2.9. SCHEMATIC SYMBOL CHART, P. 9

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				SCHEMATIC SYMBOL CHART			
		ACCEL PEDAL POSN SENSOR				AMMETER	
		ACCEL PEDAL POSN SENSOR				BATTERY	
		AIR DRYER				BLUNT CUT CIRCUIT	
		ALARM				BUSBAR	
		ALTERNATOR				CIGAR LIGHTER	
		CIRCUIT BREAKER				DIODE	

Chg	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	0MAY07	ADDED SYMBOL FOR	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
		ACCEL PEDAL POSN SNSR			RELEASE NO.	DATE
					59974G	12SEP06
					PART NO.	SHEET
					AE08-56608	09

2.10. SCHEMATIC SYMBOL CHART, P. 10

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 2 SCHEMATIC SYMBOL CHART (CONT)			
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
		DIODE, LIGHT EMITTING				HORN	
		FAN SOLENOID				KEY SWITCH	
		FEMALE TERMINAL				KEY SWITCH, COMPLEX	
		FUSE				LIGHT W/ SWITCH	
		FUSIBLE LINK				LIGHT, DOUBLE FILAMENT	
		FUSES W/ BUSBAR				LIGHT, SINGLE FILAMENT	
		GROUND N/ STUD					
		HEATER					
		HOLDER, FUSE W/ BUSBAR					
CHG	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	SHEET
CNA	9MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	10
					RELEASE NO.	DATE	PART NO.
					59974G	12SEP06	AE08-56608

2.11. SCHEMATIC SYMBOL CHART, P. 11

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				ELECTRICAL CIRCUIT DIAGRAM      CHAPTER 2 SCHEMATIC SYMBOL CHART (CONT)		
SYMBOL		DESCRIPTION		SYMBOL		
		MALE TERMINAL			RESISTOR	
		MOTOR			SENDER - FUEL, OIL, TEMP, WATER	
		PASS THRU CONNECTION			SENSOR, PRESSURE. ABS 6	
		PRESSURE SWITCH			SENSOR, MAGNETIC	
		RELAY, FIVE TERMINAL			SENSOR, YAW	
		RELAY, FOUR TERMINAL			SOLENOID	
		RELAY, LATCHING			SOLENOID W/ DIODE	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA	9MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS
					RELEASE NO.	DATE
					59974G	20APR06
					PART NO.	SHEET
					AE08-56608	11

2.12. SCHEMATIC SYMBOL CHART, P.12

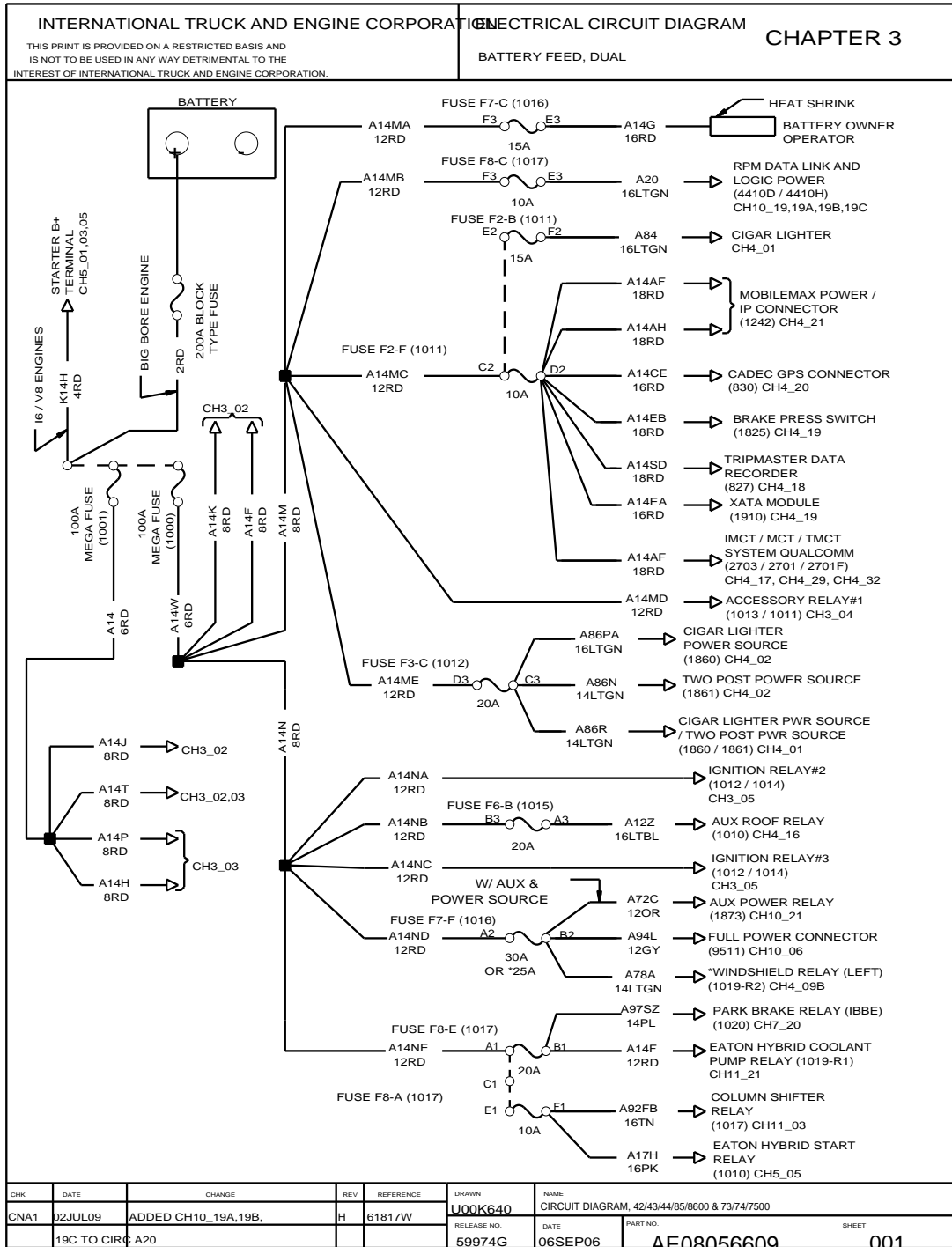
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 2			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				SCHEMATIC SYMBOL CHART (CONT)			
SYMBOL		DESCRIPTION		SYMBOL		DESCRIPTION	
		SPEAKER				SWITCH, PUSH BUTTON	
		SPLICE				TERMINATING RESISTOR	
		STUD				THERMISTOR	
		START MOTOR W/ TOCP				THERMOSTAT	
		SWITCH, MECHANICAL (NORMALLY OPEN)				VALVE, ETHER BOTTLE	
		SWITCH, MECHANICAL (NORMALLY CLOSED)				VALVE, MODULATOR	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
RAW6	04DEC07	REVISED START MOTOR	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500	
	SYMBOL				RELEASE NO.	DATE	PART NO. SHEET
					59974G	20APR06	AE08056608 012



**12 VOLT POWER DISTRIBUTION, GROUNDS,  
DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)**

**3. 12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND  
ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)**

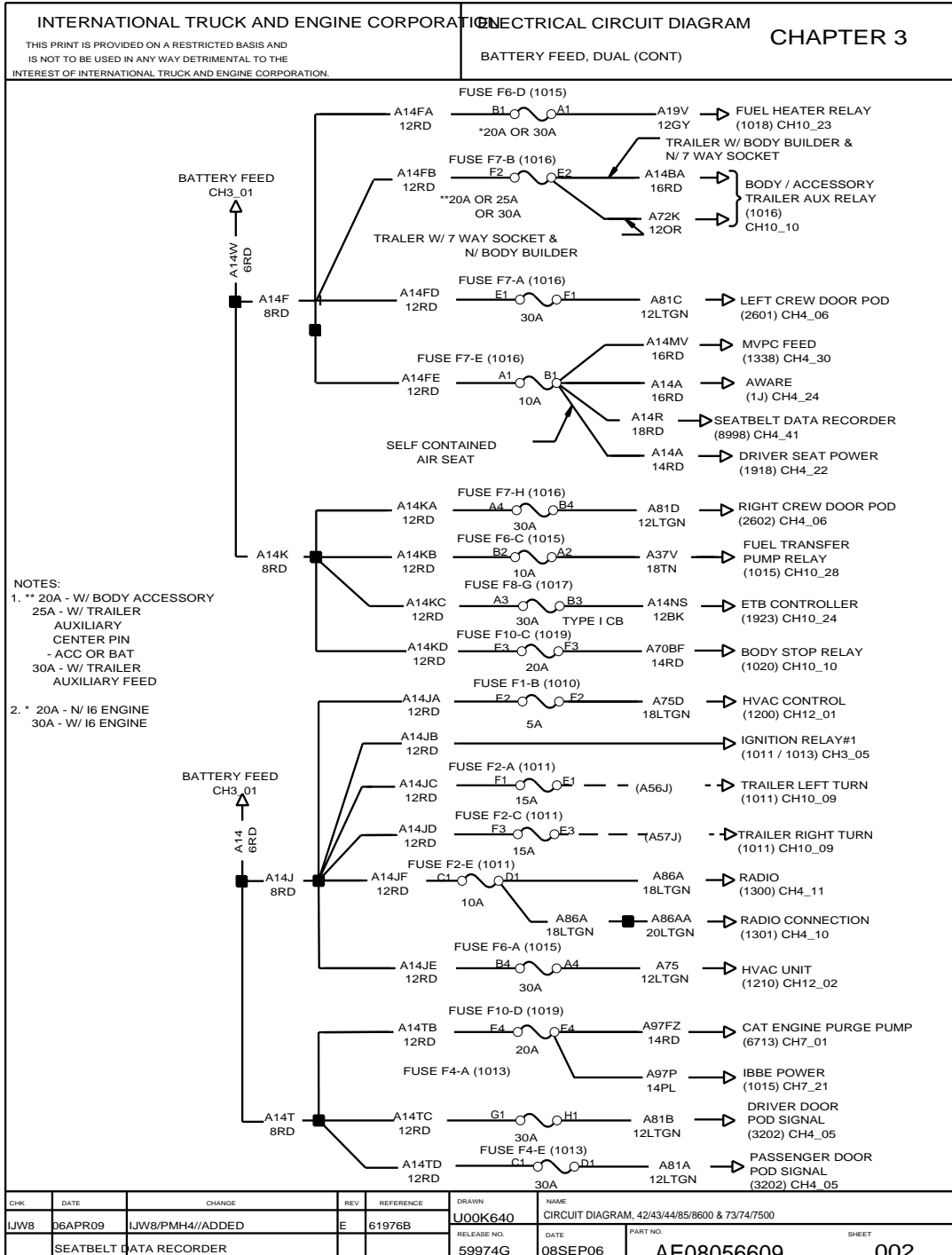
**3.1. BATTERY FEED, DUAL, P. 1**



12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
(CHAPTER 3)

BATTERY FEED, DUAL, P. 2

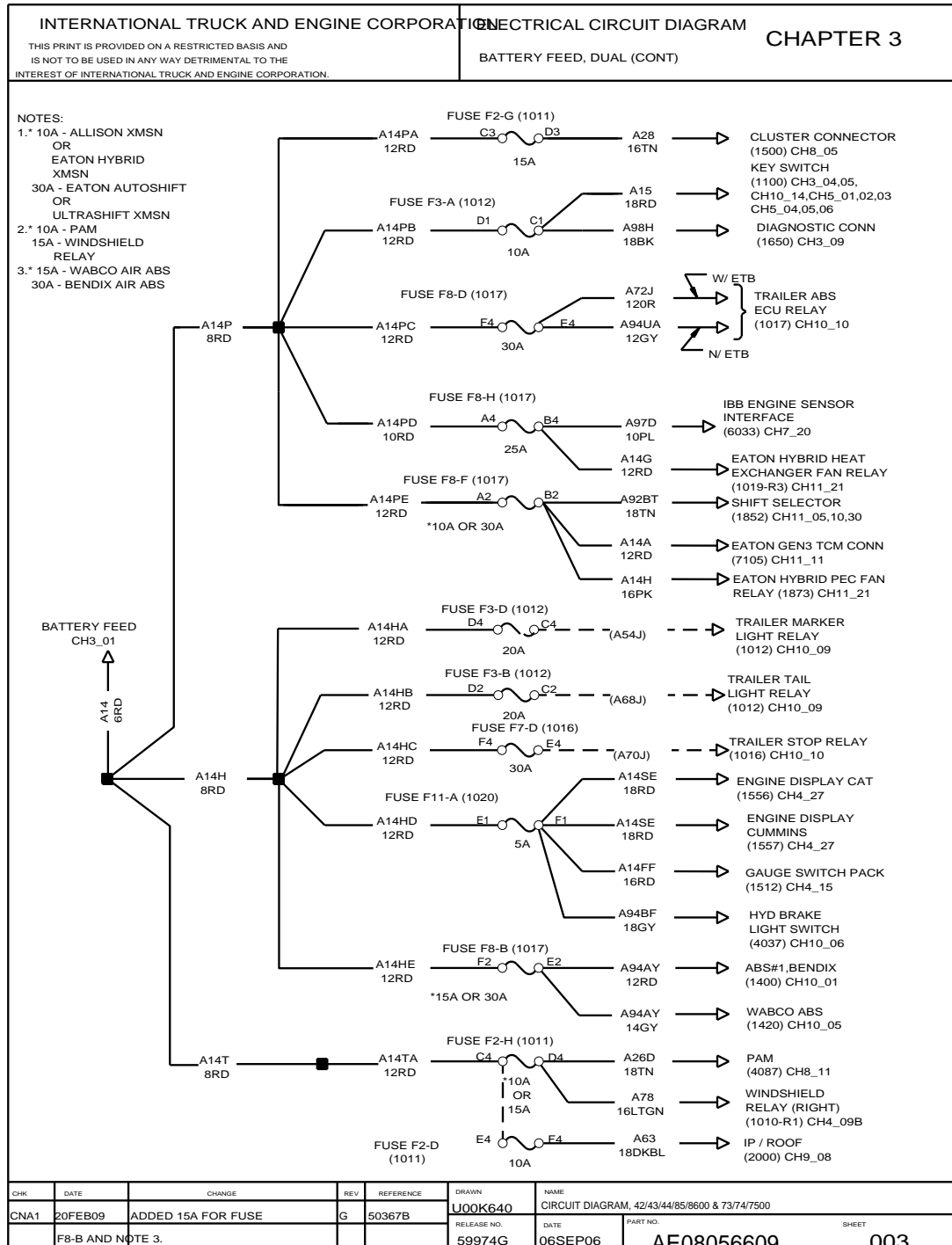
3.2. BATTERY FEED, DUAL, P. 2



**BATTERY FEED, DUAL, P. 3**  
**DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)**

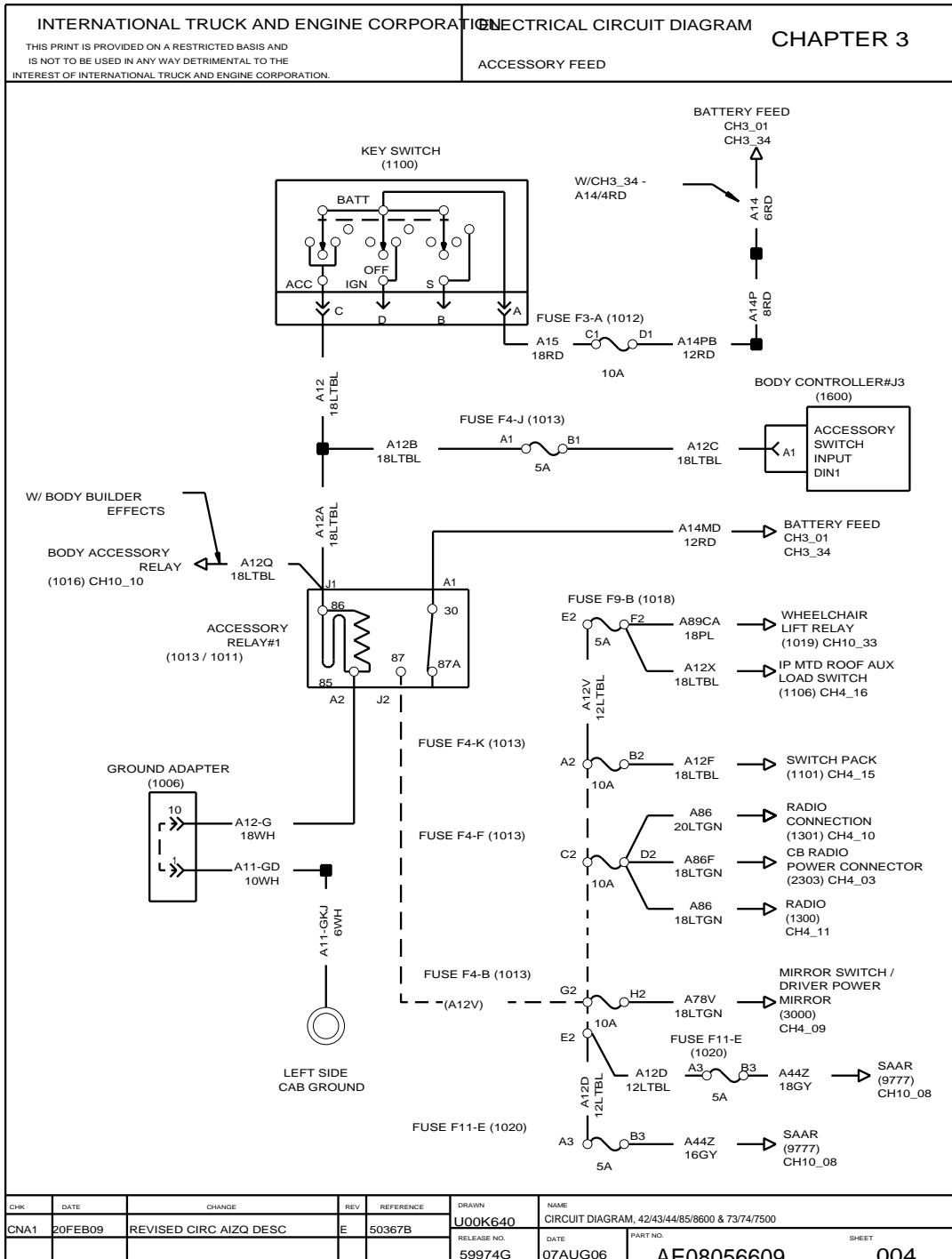
**12 VOLT POWER DISTRIBUTION, GROUNDS,**

**3.3. BATTERY FEED, DUAL, P. 3**



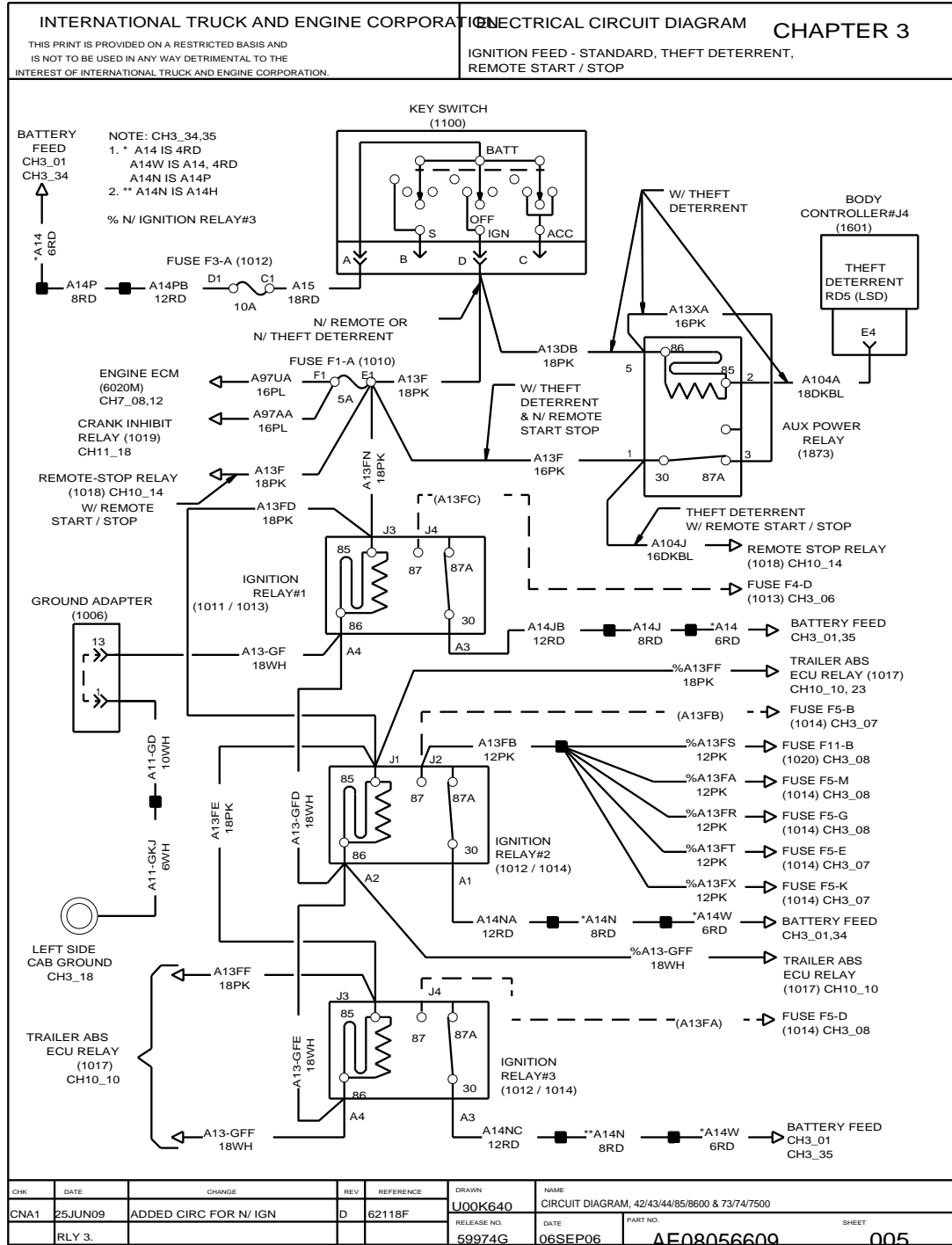
12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
 (CHAPTER 3)  
**ACCESSORY FEED, P. 4**

**3.4. ACCESSORY FEED, P. 4**



IGNITION FEED — STANDARD, THEFT DETERRENT, REMOTE START/STOP, P. 5 12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)

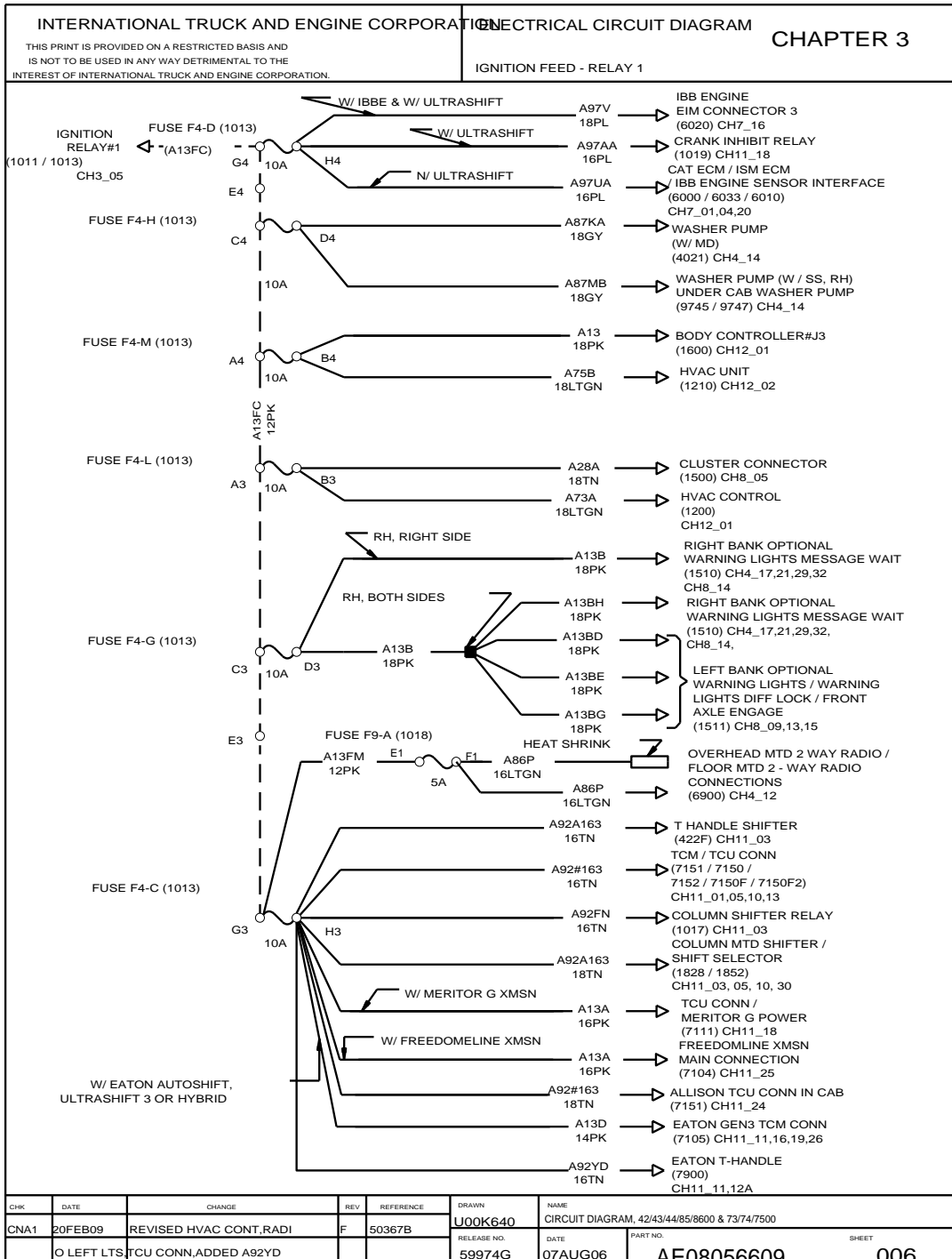
3.5. IGNITION FEED — STANDARD, THEFT DETERRENT, REMOTE START/STOP, P. 5



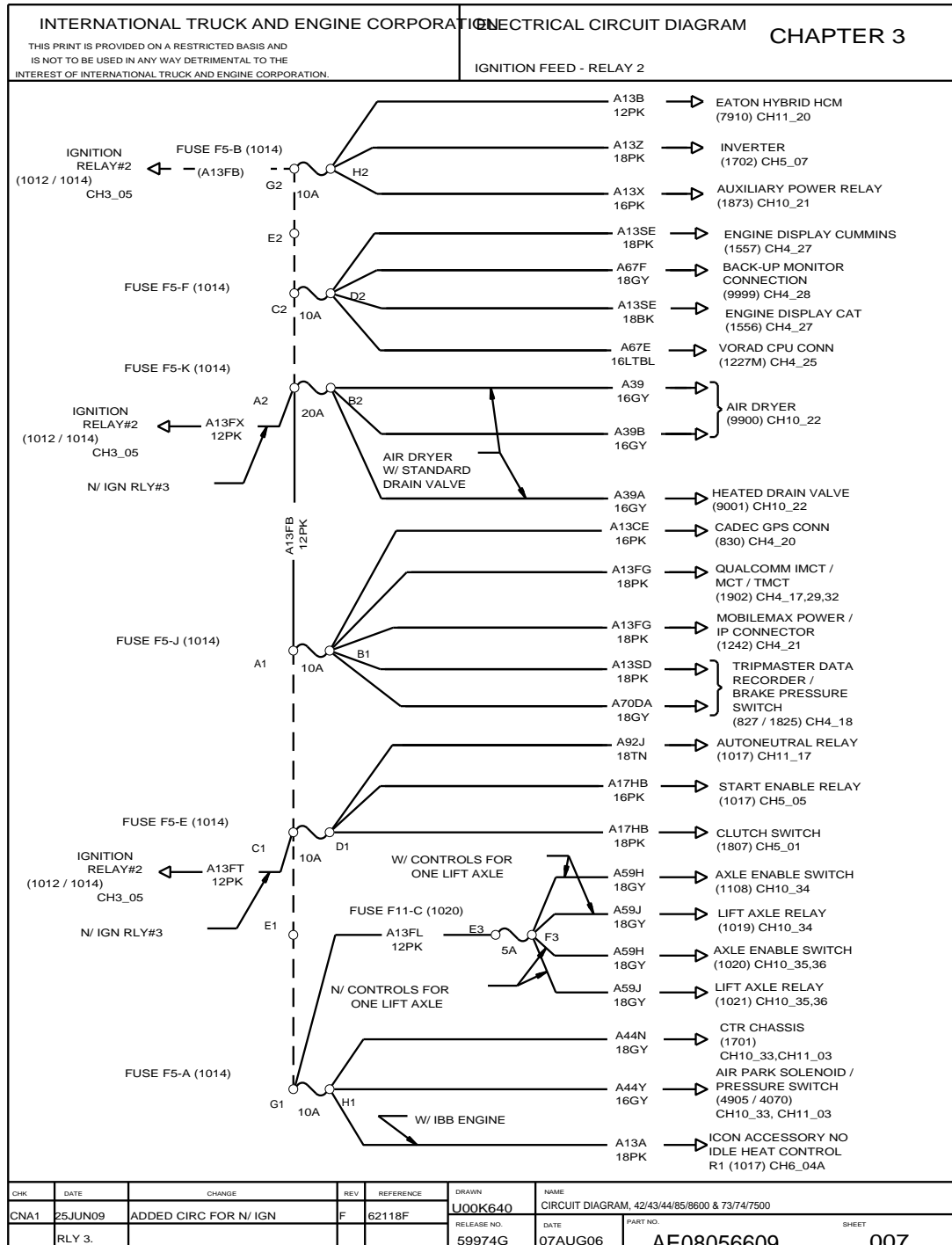
**12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
(CHAPTER 3)**

**IGNITION FEED RELAY 1, P. 6**

**3.6. IGNITION FEED RELAY 1, P. 6**

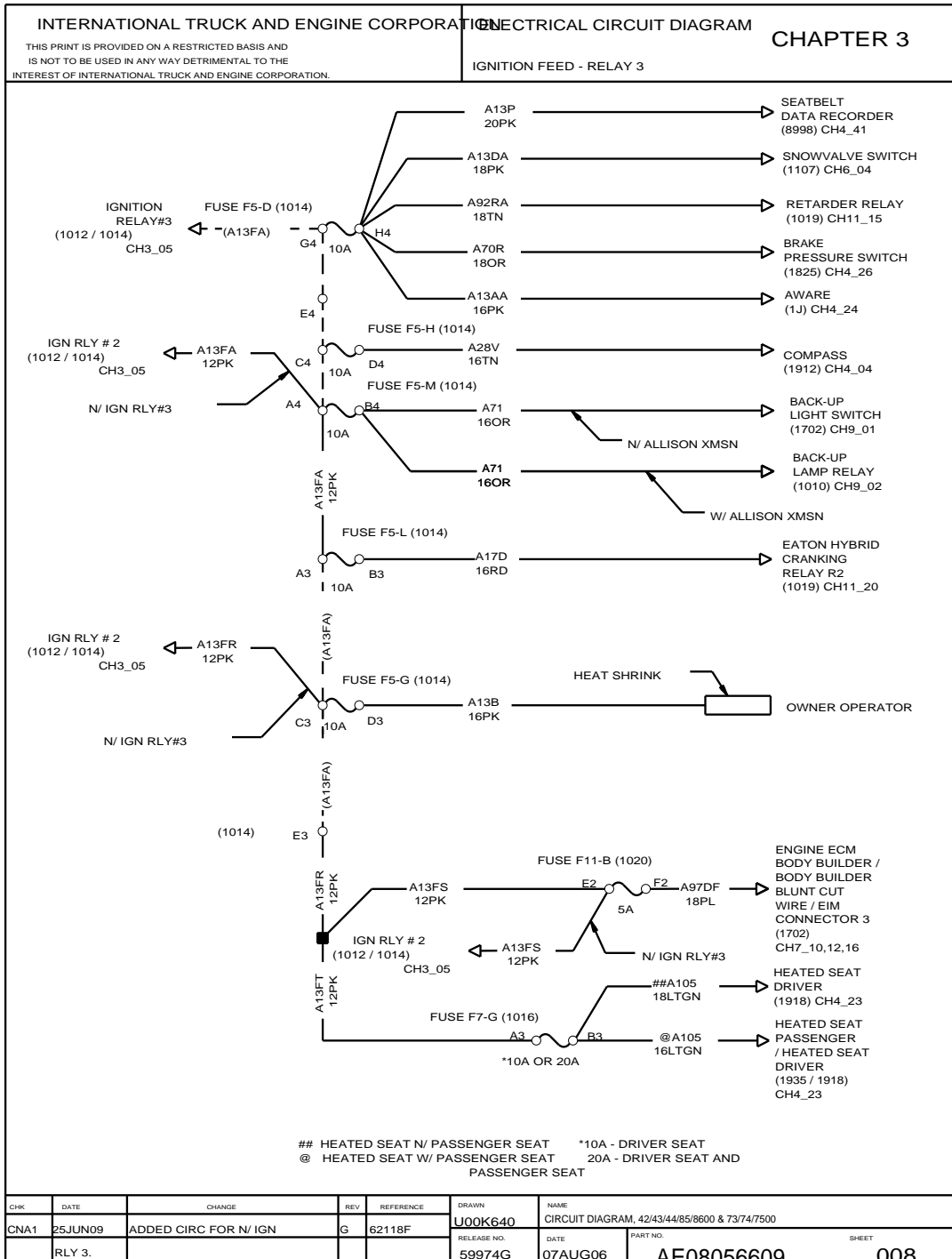


3.7. IGNITION FEED RELAY 2, P. 7



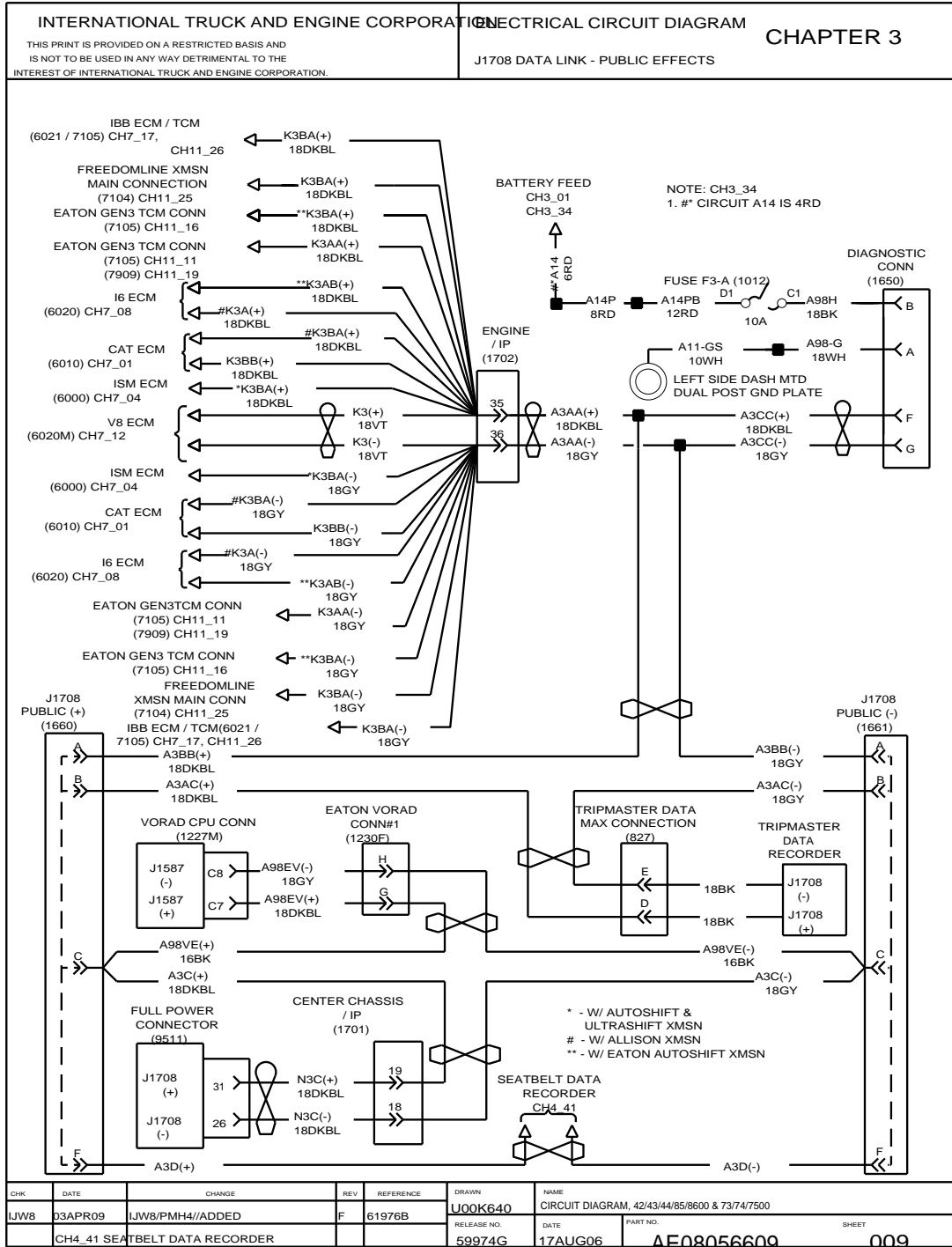
12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
 (CHAPTER 3) IGNITION FEED RELAY 3, P. 8

3.8. IGNITION FEED RELAY 3, P. 8

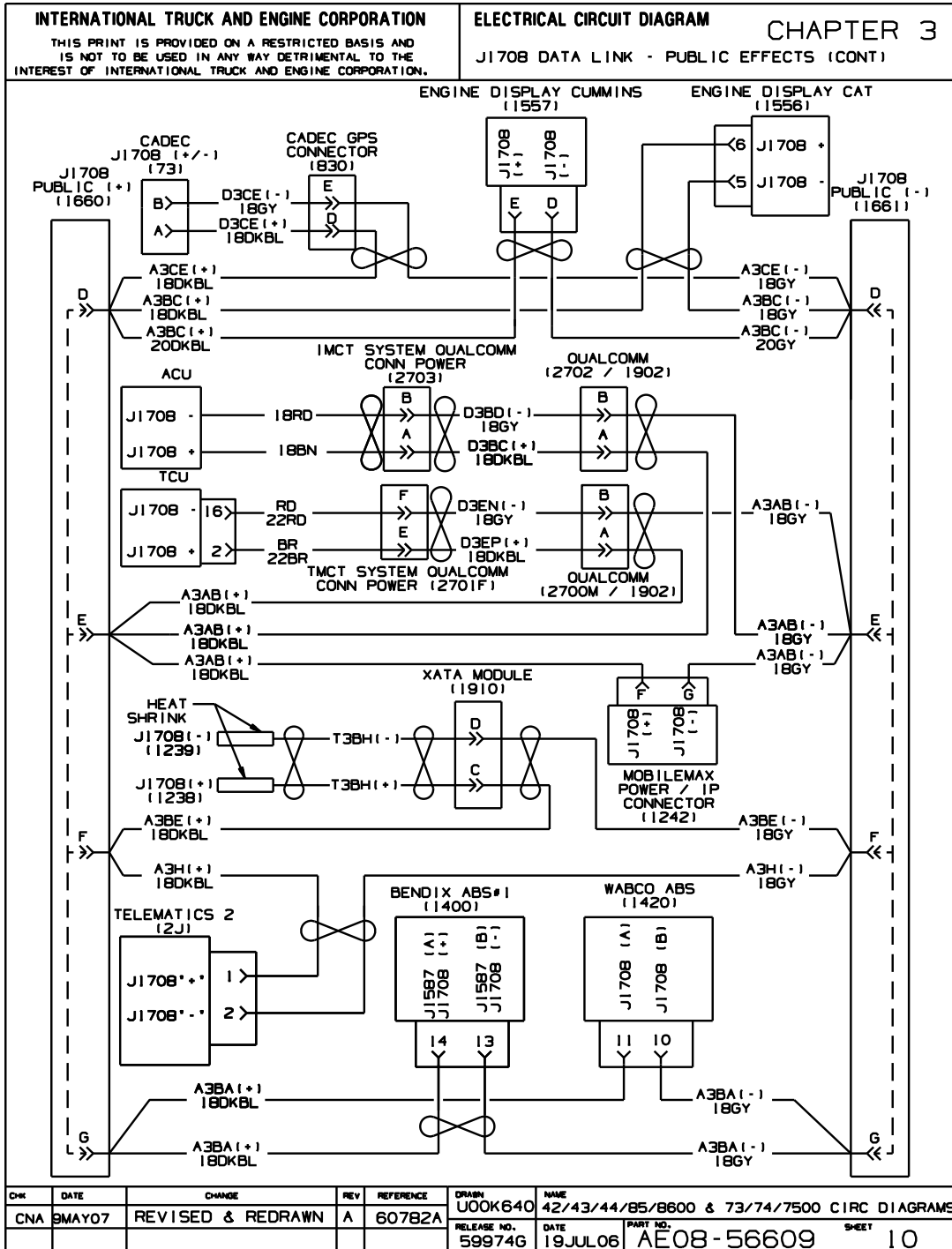




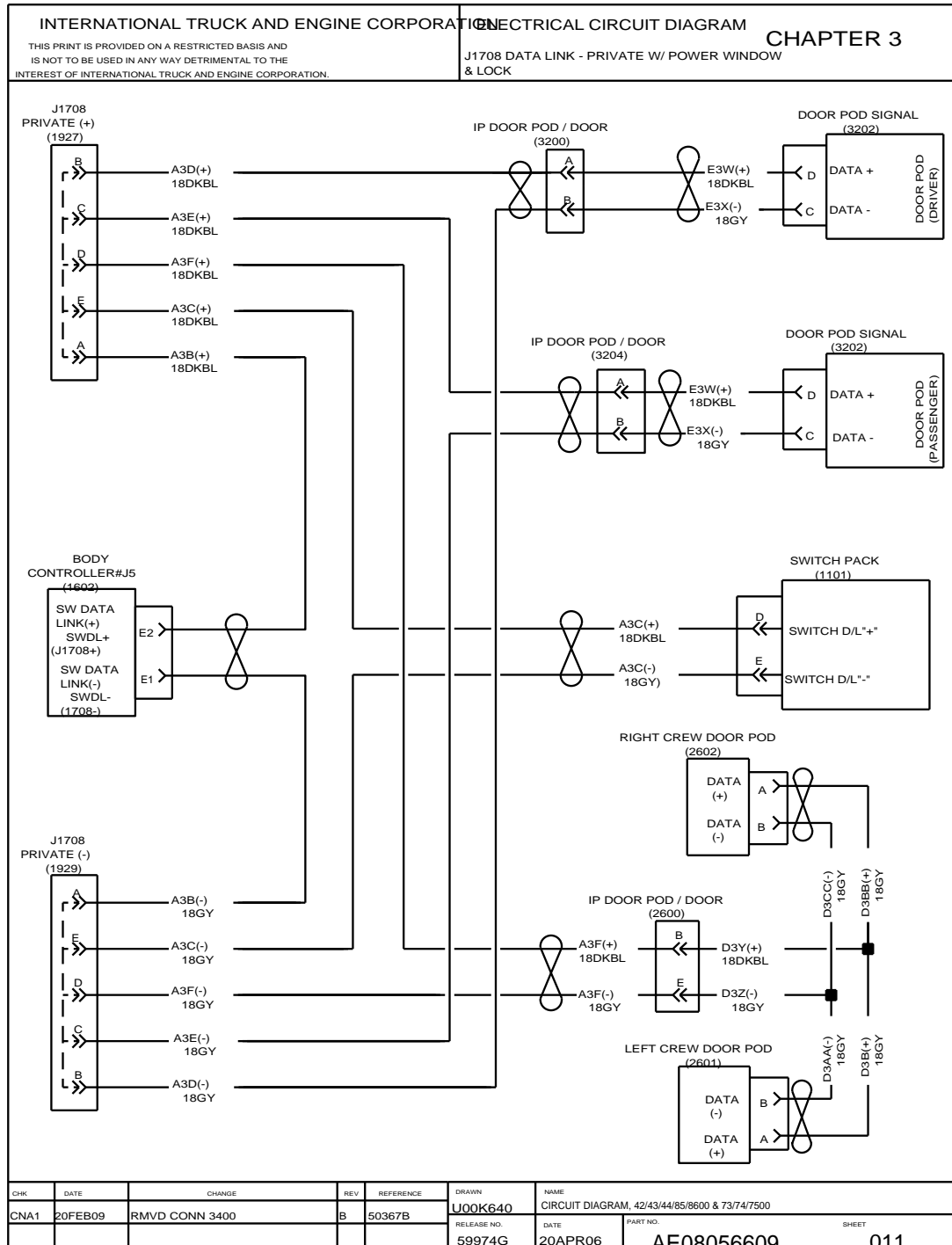
3.9. J1708 DATA LINK — PUBLIC EFFECTS, P. 9



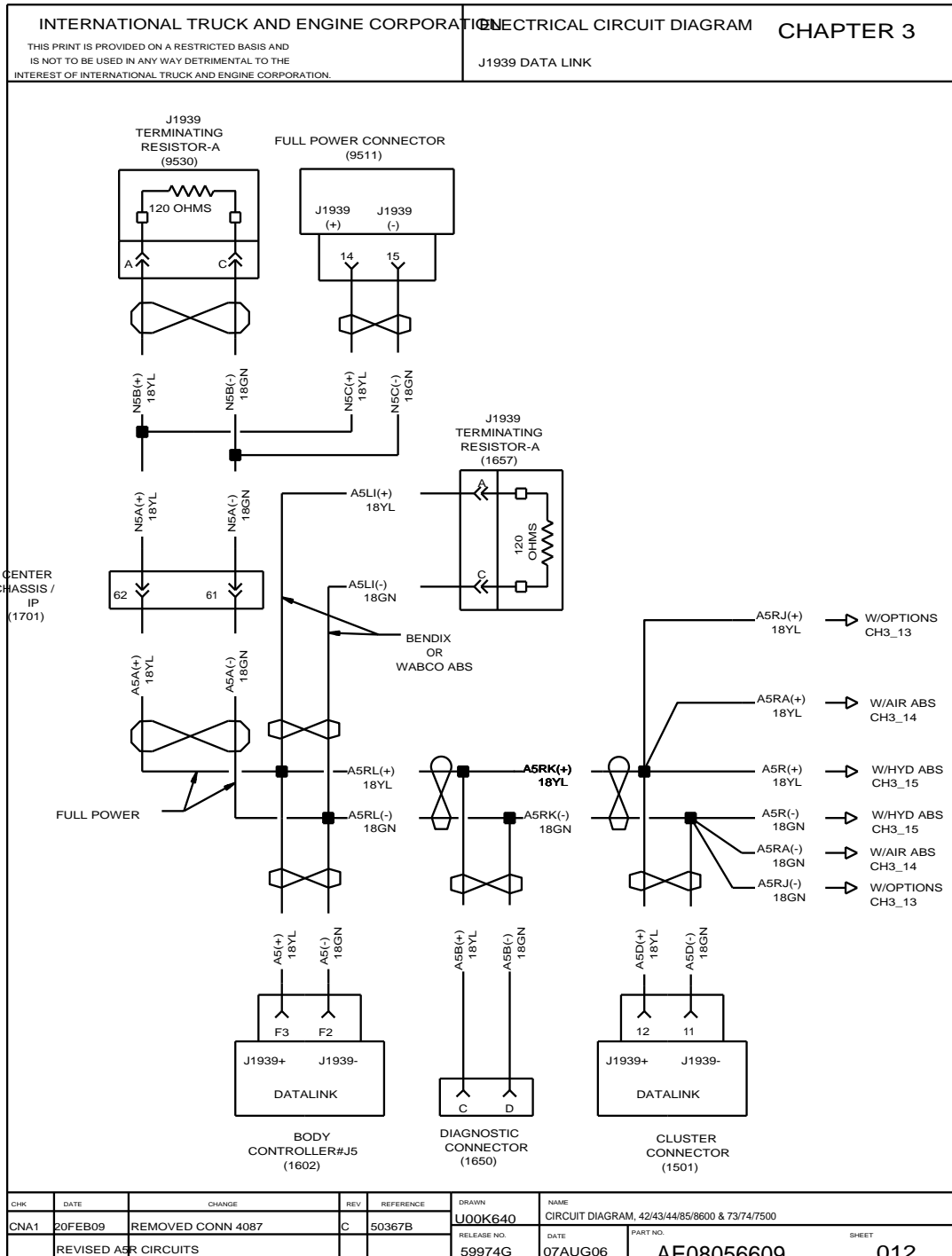
3.10. J1708 DATA LINK — PUBLIC EFFECTS, P. 10



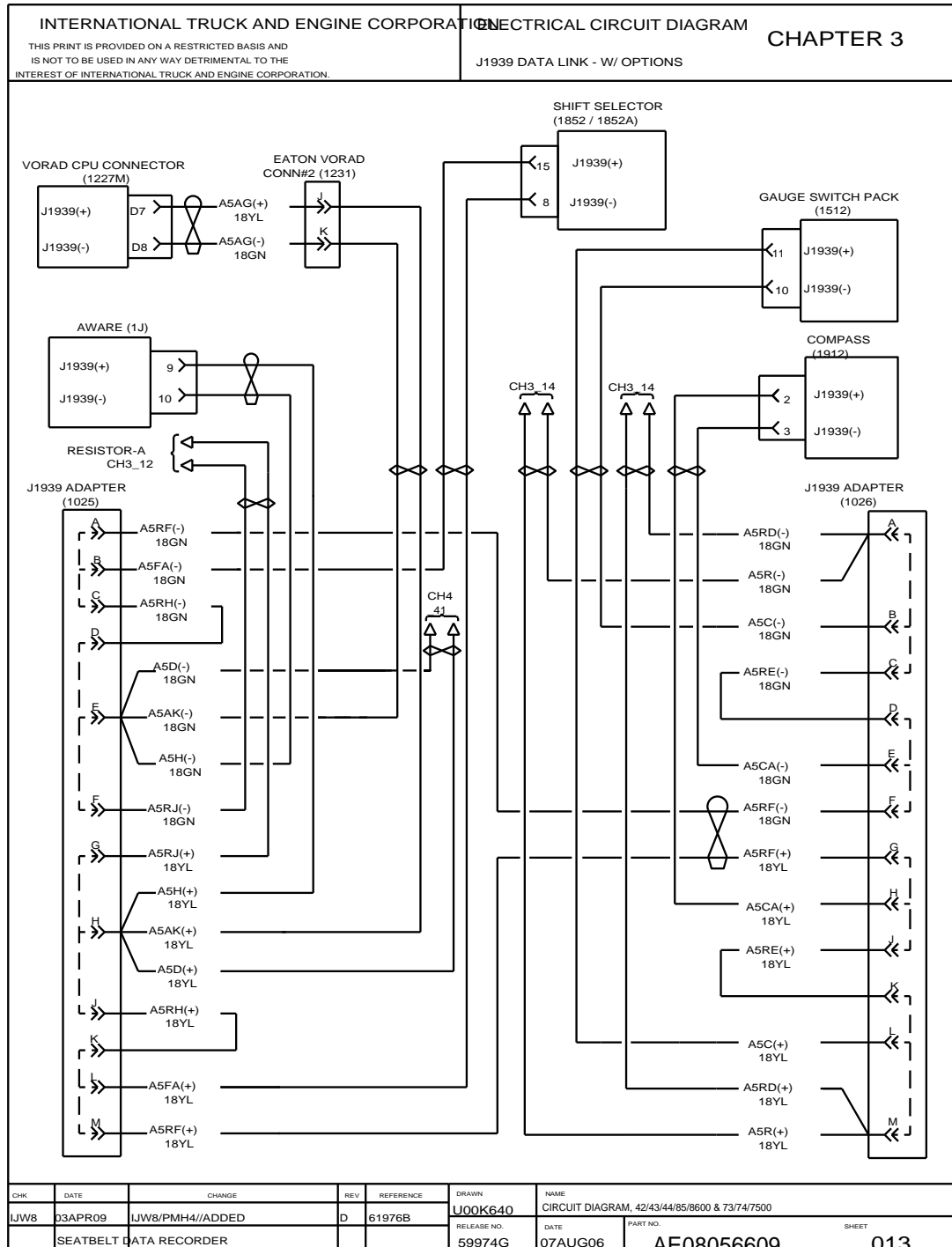
3.11. J1708 DATA LINK — PRIVATE WITH POWER WINDOW AND LOCK, P. 11



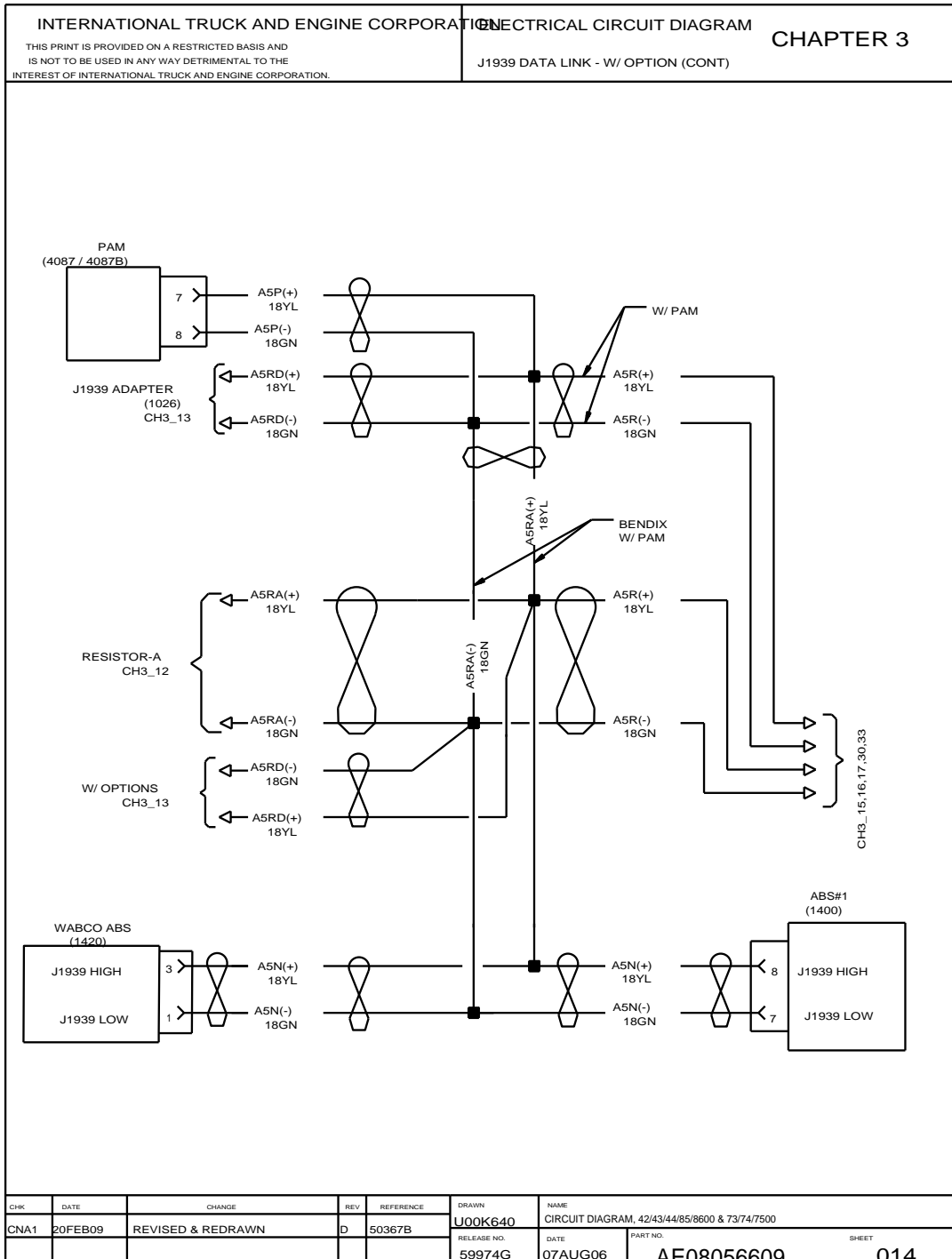
3.12. J1939 DATA LINK, P. 12



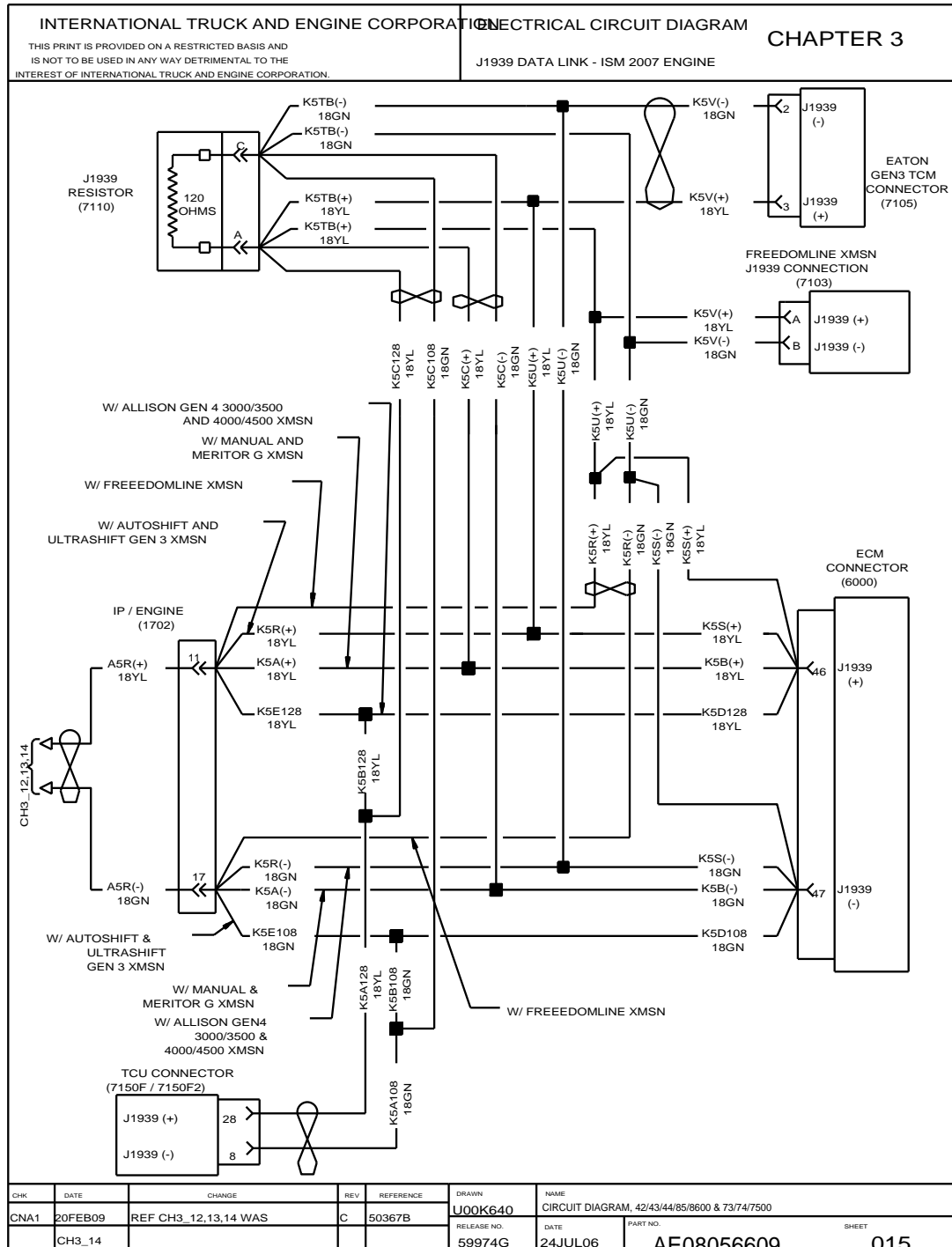
3.13. J1939 DATA LINK WITH OPTIONS, P. 13



3.14. J1939 DATA LINK WITH OPTIONS, P. 14

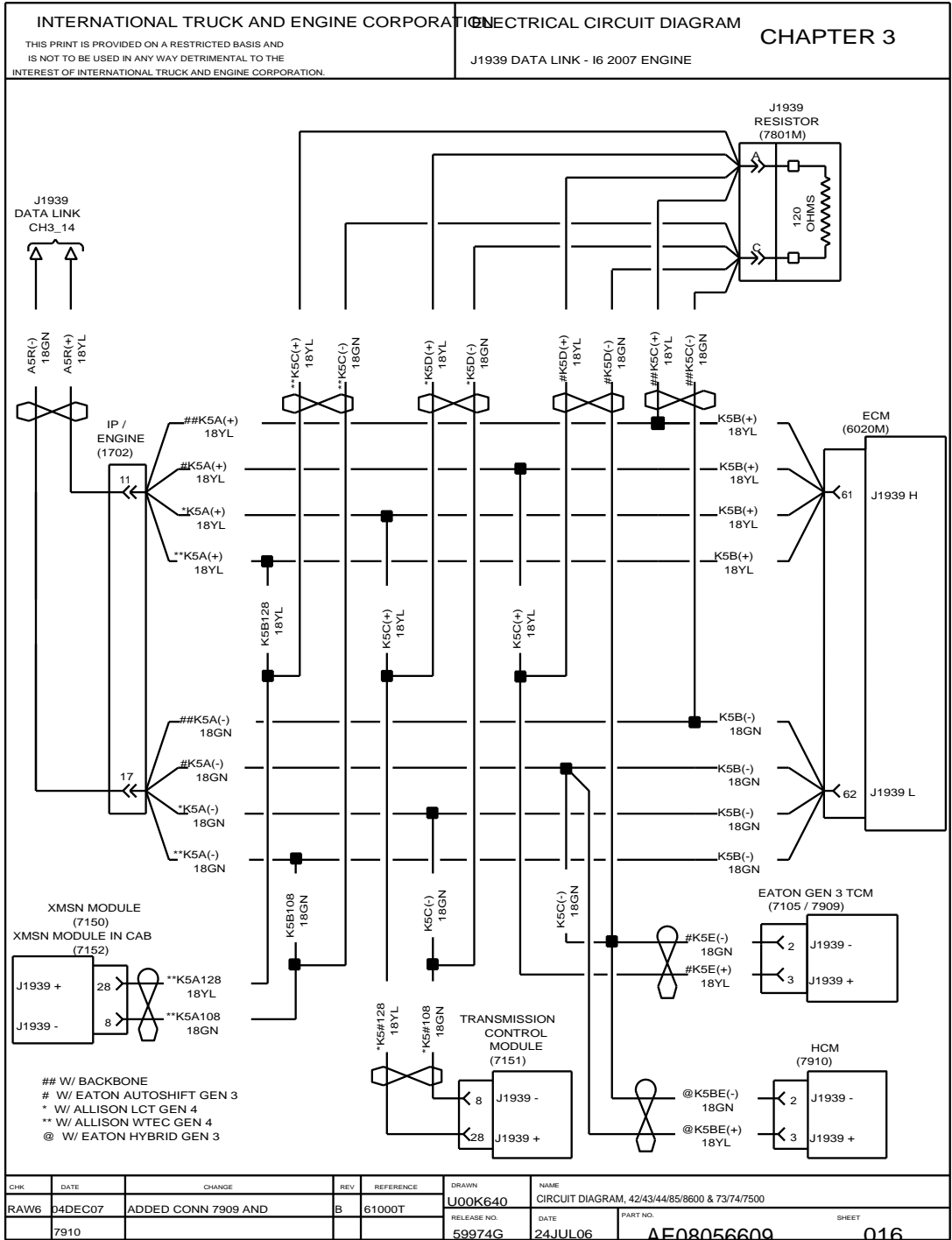


3.15. J1939 DATA LINK — ISM 2007 ENGINE, P. 15



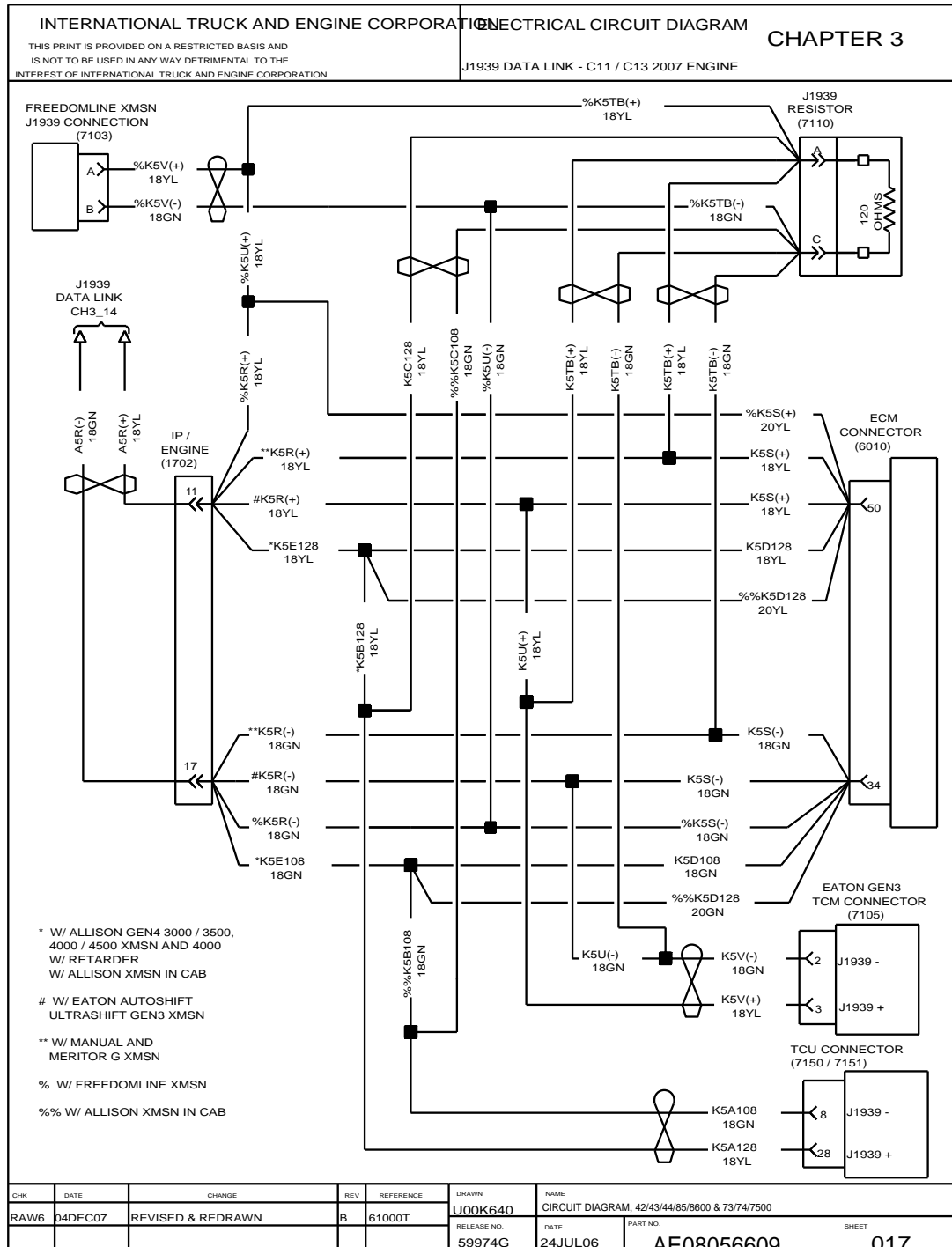
12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
 (CHAPTER 3) J1939 DATA LINK — I6 2007 ENGINE, P. 16

3.16. J1939 DATA LINK — I6 2007 ENGINE, P. 16

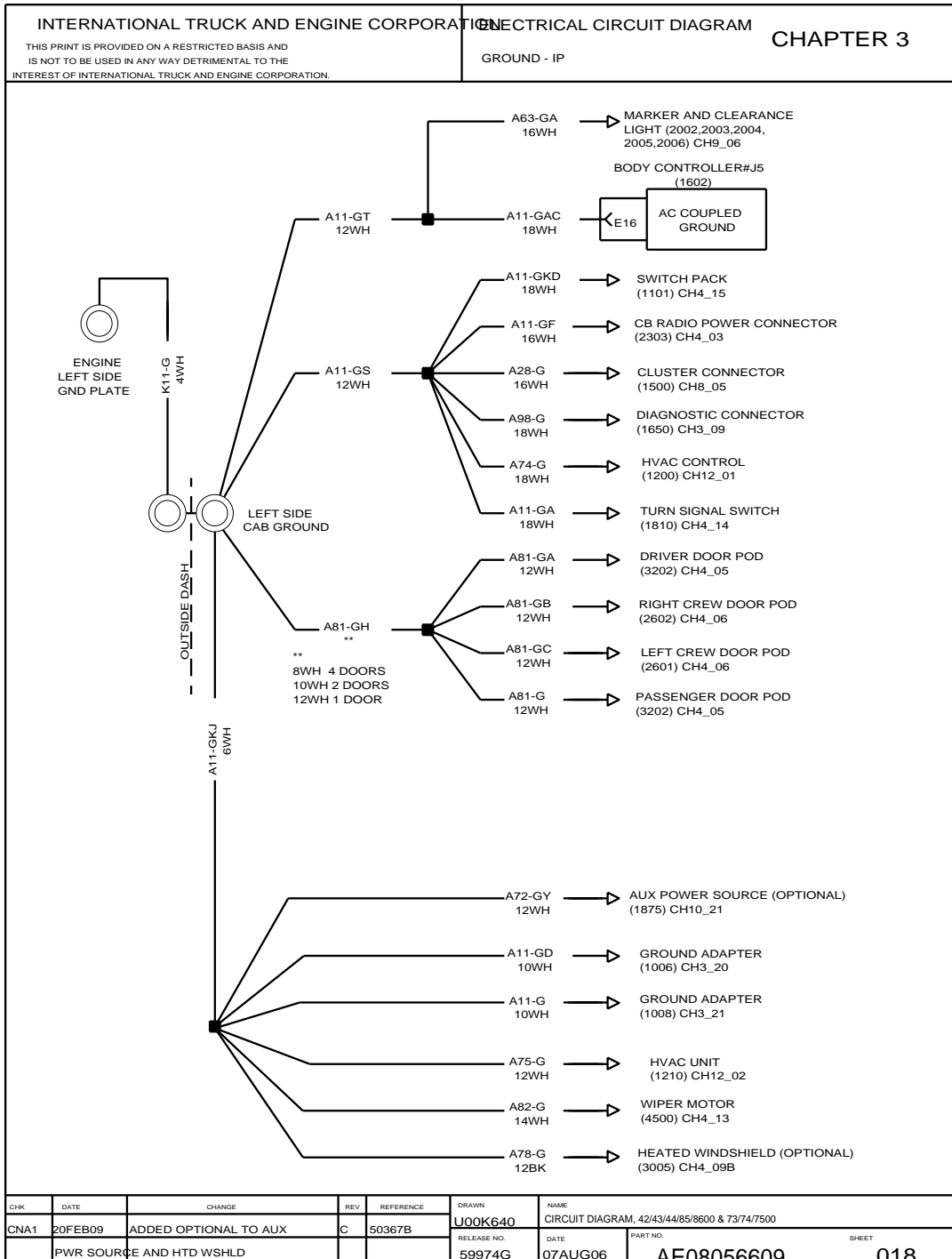




3.17. J1939 DATA LINK — C11/C13 2007 ENGINE, P. 17



3.18. GROUND — IP, P. 18

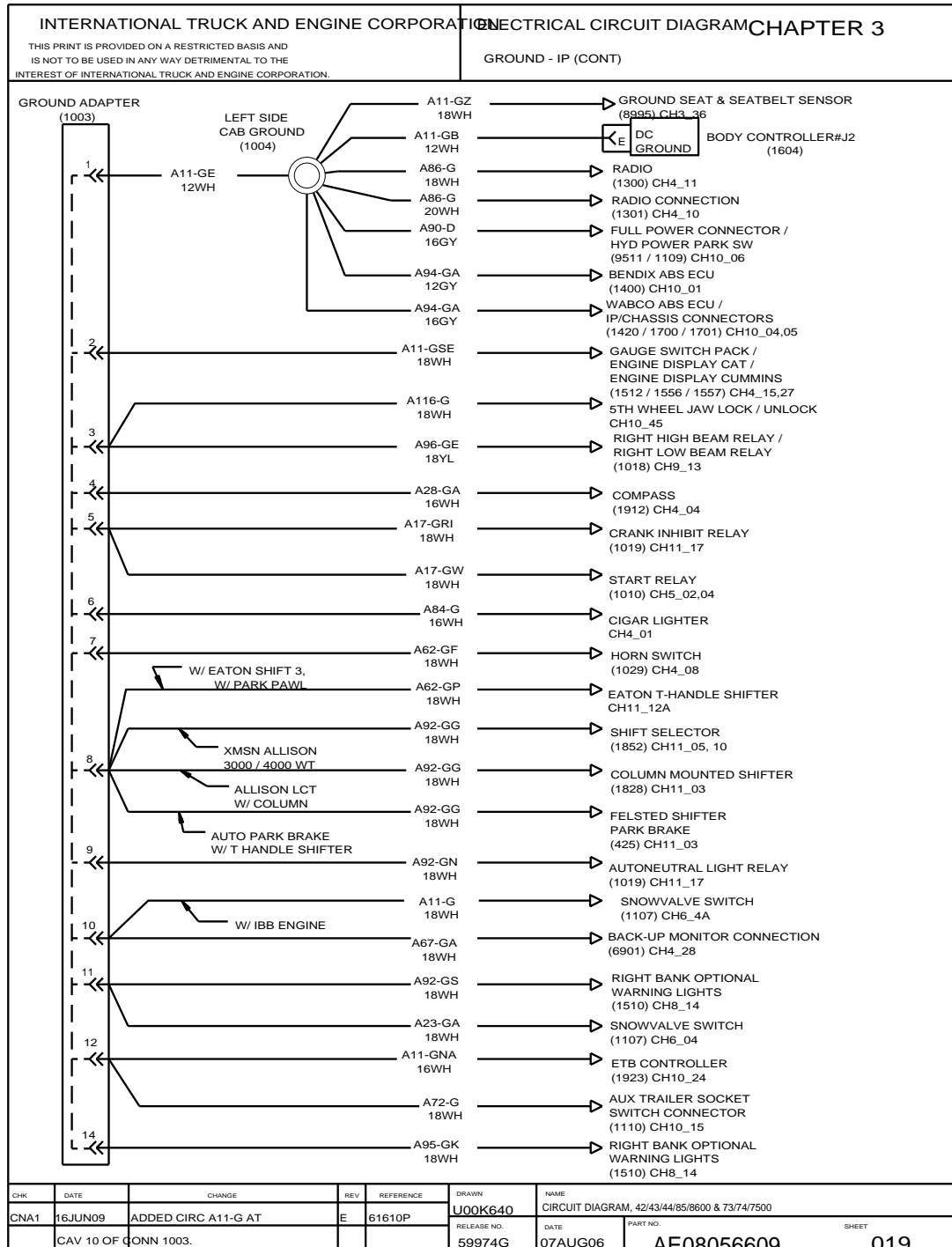


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20FEB09	ADDED OPTIONAL TO AUX	C	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		PWR SOURCE AND HTD WSHLD			59974G	DATE: 07AUG06 PART NO: AE08056609 SHEET: 018

**GROUND — IP, P. 19**  
**DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)**

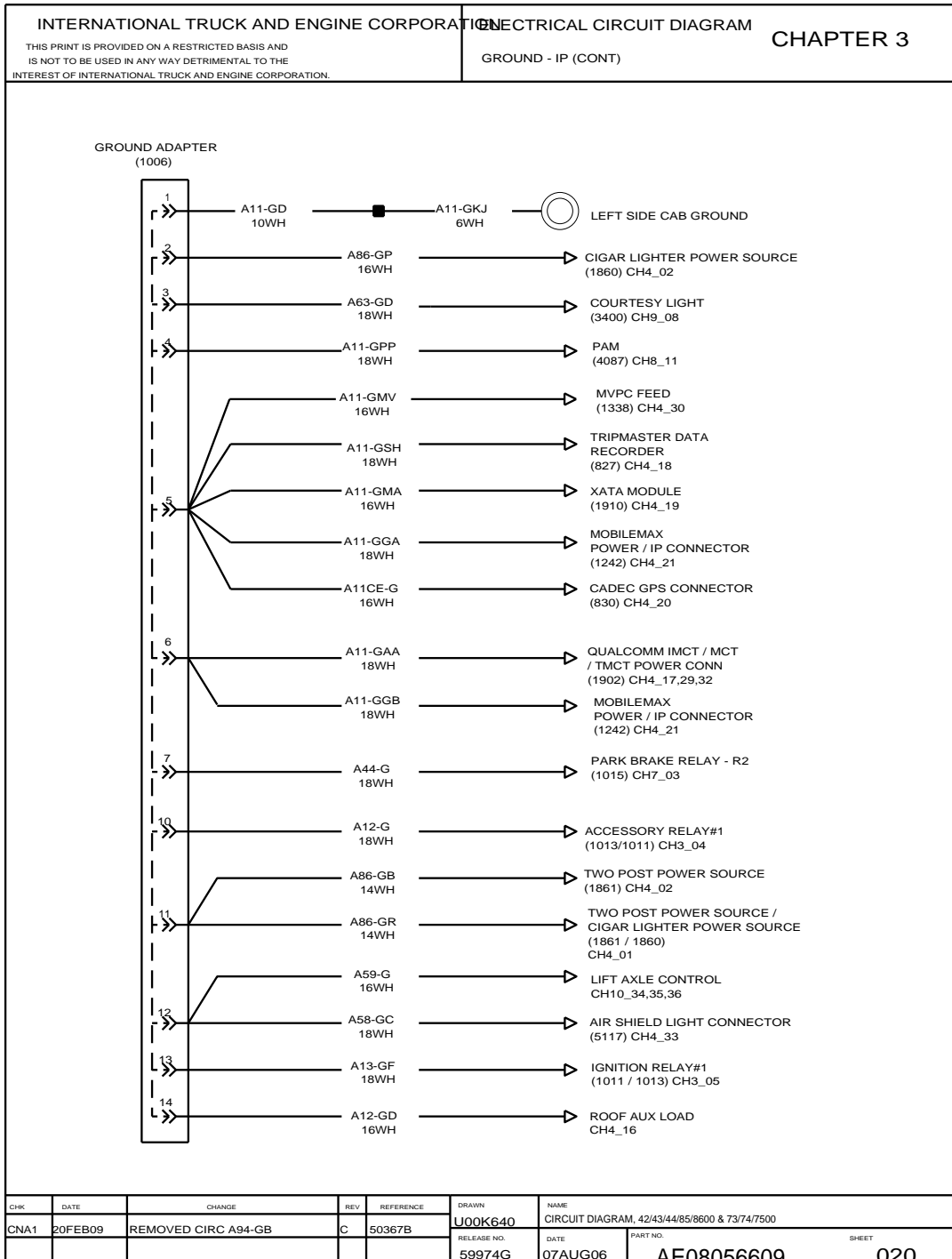
**12 VOLT POWER DISTRIBUTION, GROUNDS,**

**3.19. GROUND — IP, P. 19**

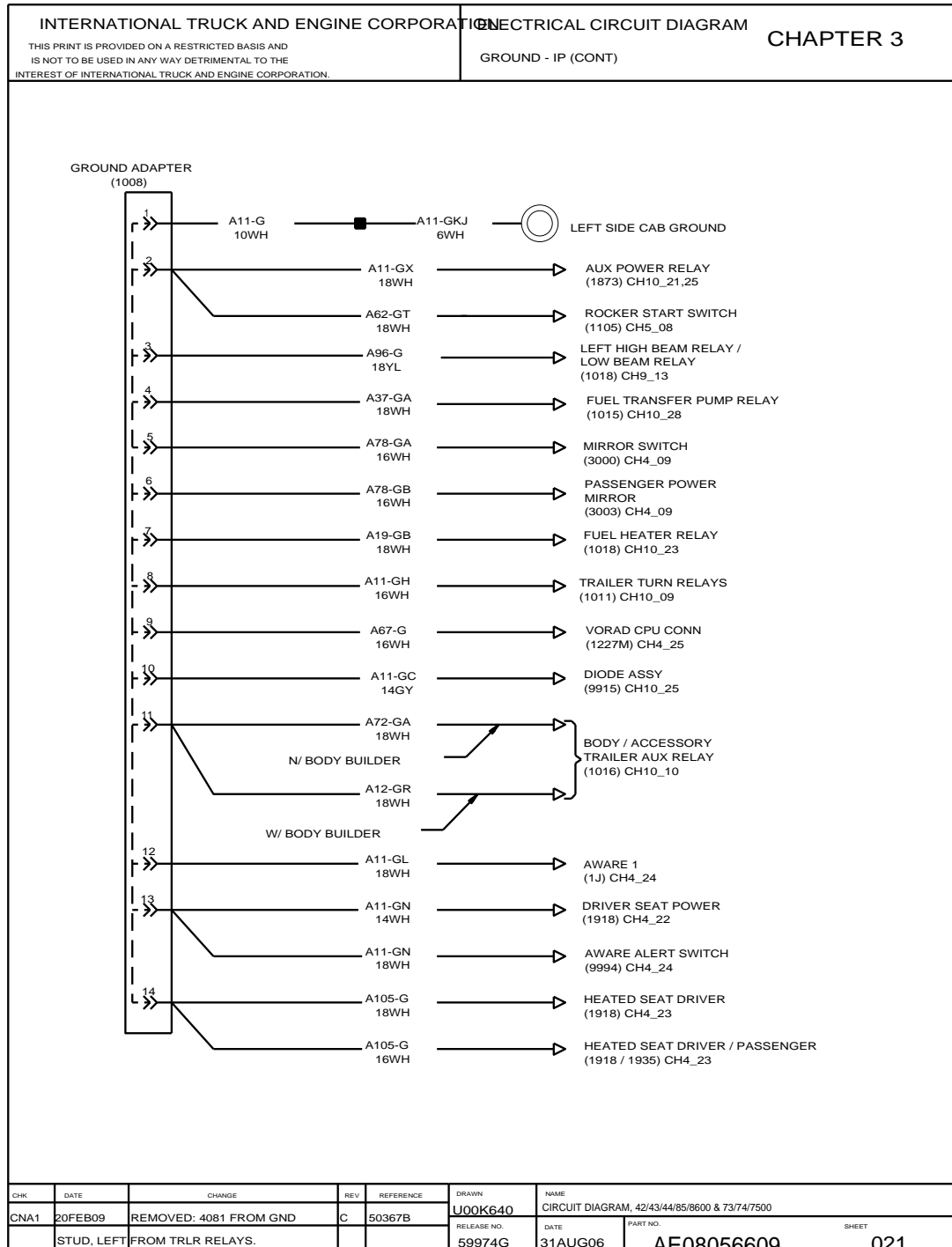


12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
(CHAPTER 3) GROUND — IP, P. 20

3.20. GROUND — IP, P. 20

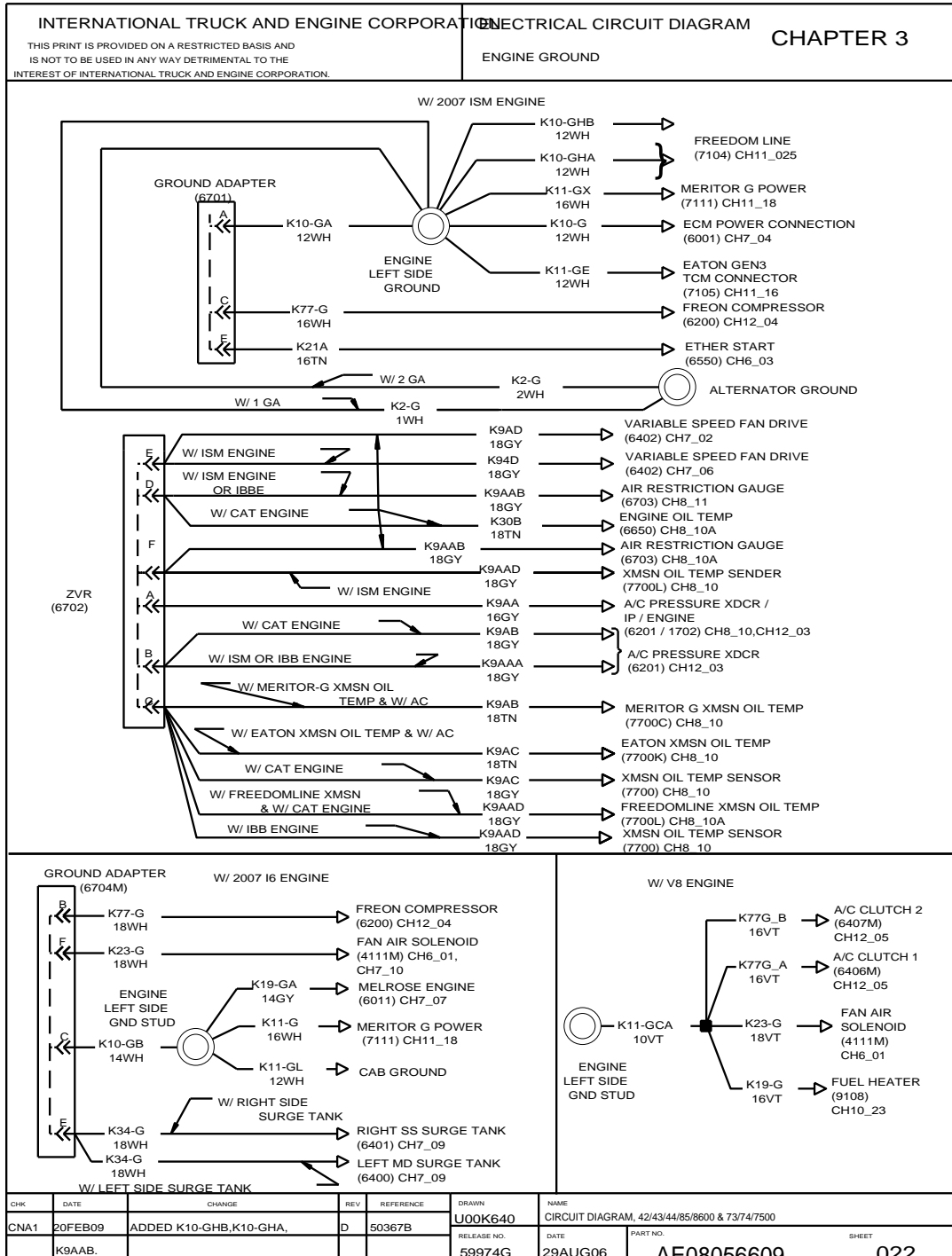


3.21. GROUND — IP, P. 21



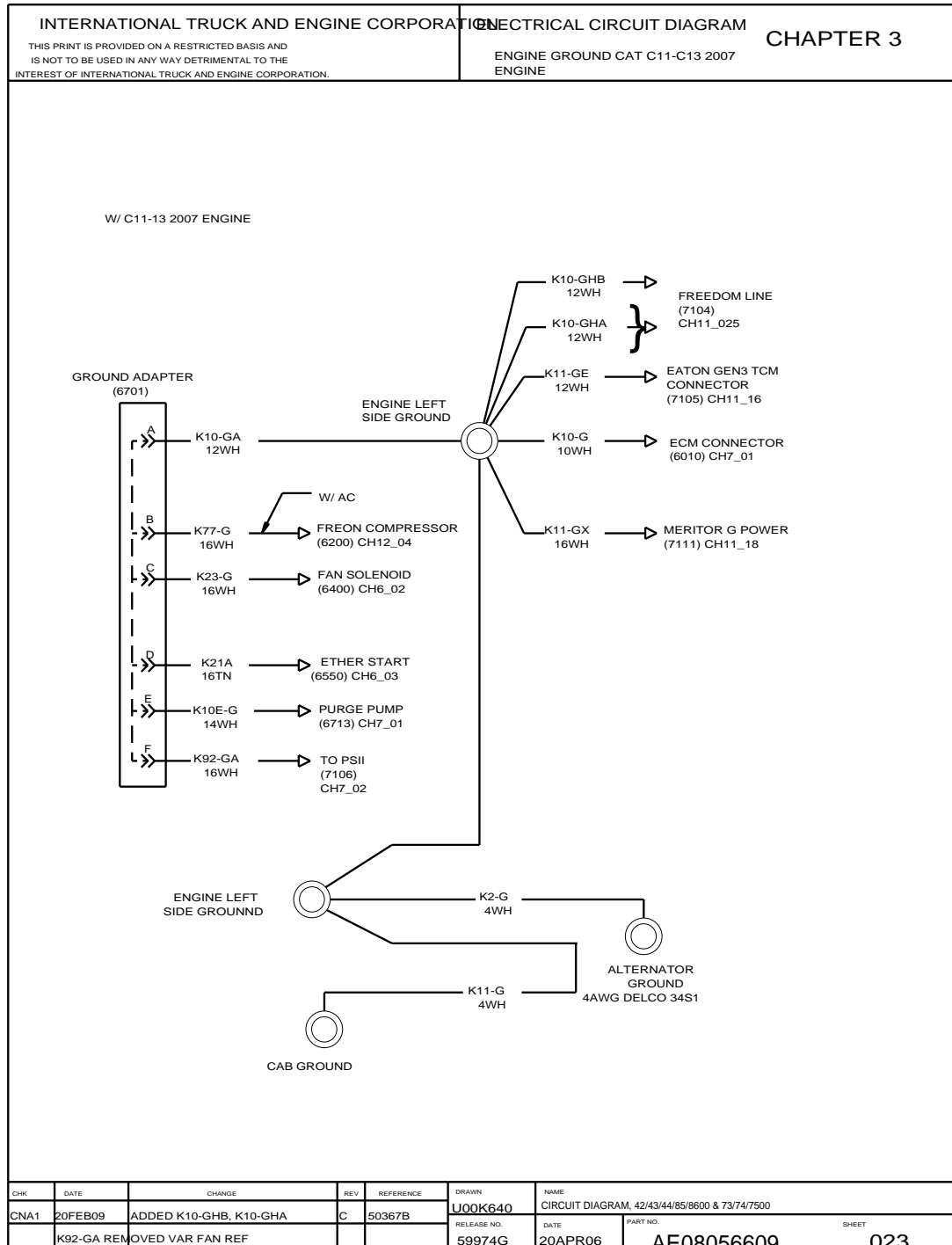
12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
(CHAPTER 3)  
ENGINE GROUND, P. 22

3.22. ENGINE GROUND, P. 22

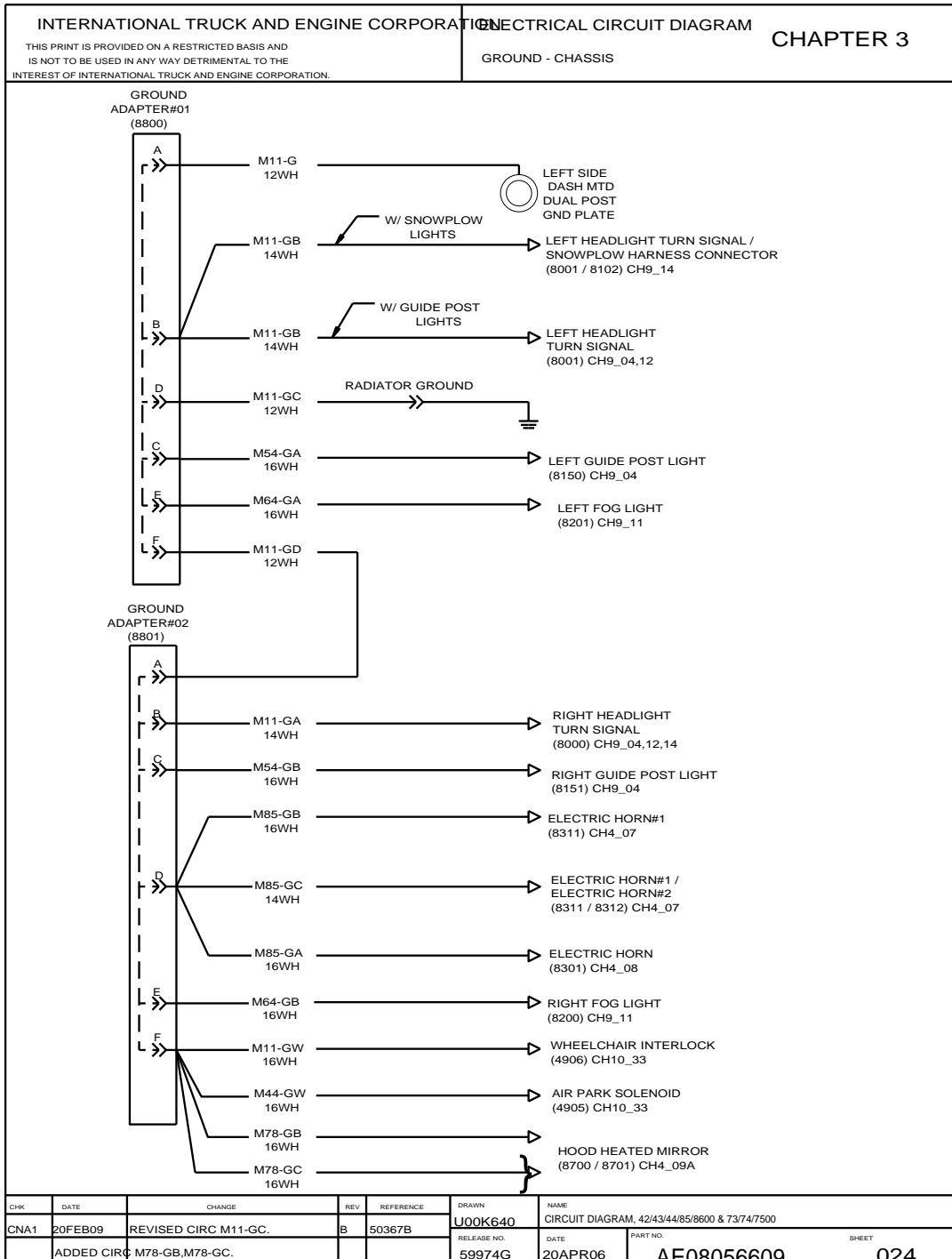


**ENGINE GROUND CAT C11-C13 2007 ENGINE, P. 23      12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)**

**3.23. ENGINE GROUND CAT C11-C13 2007 ENGINE, P. 23**



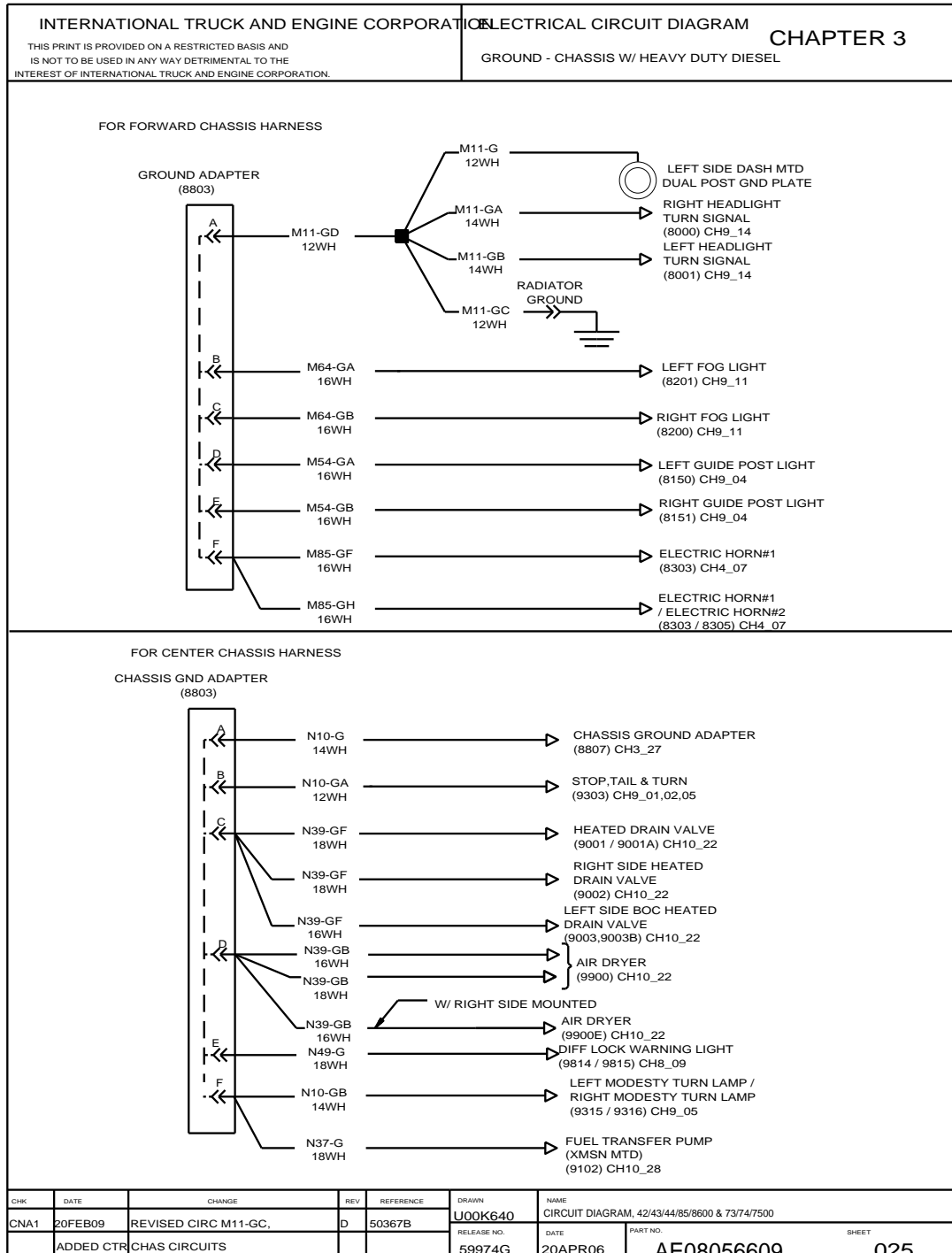
3.24. GROUND — CHASSIS, P. 24



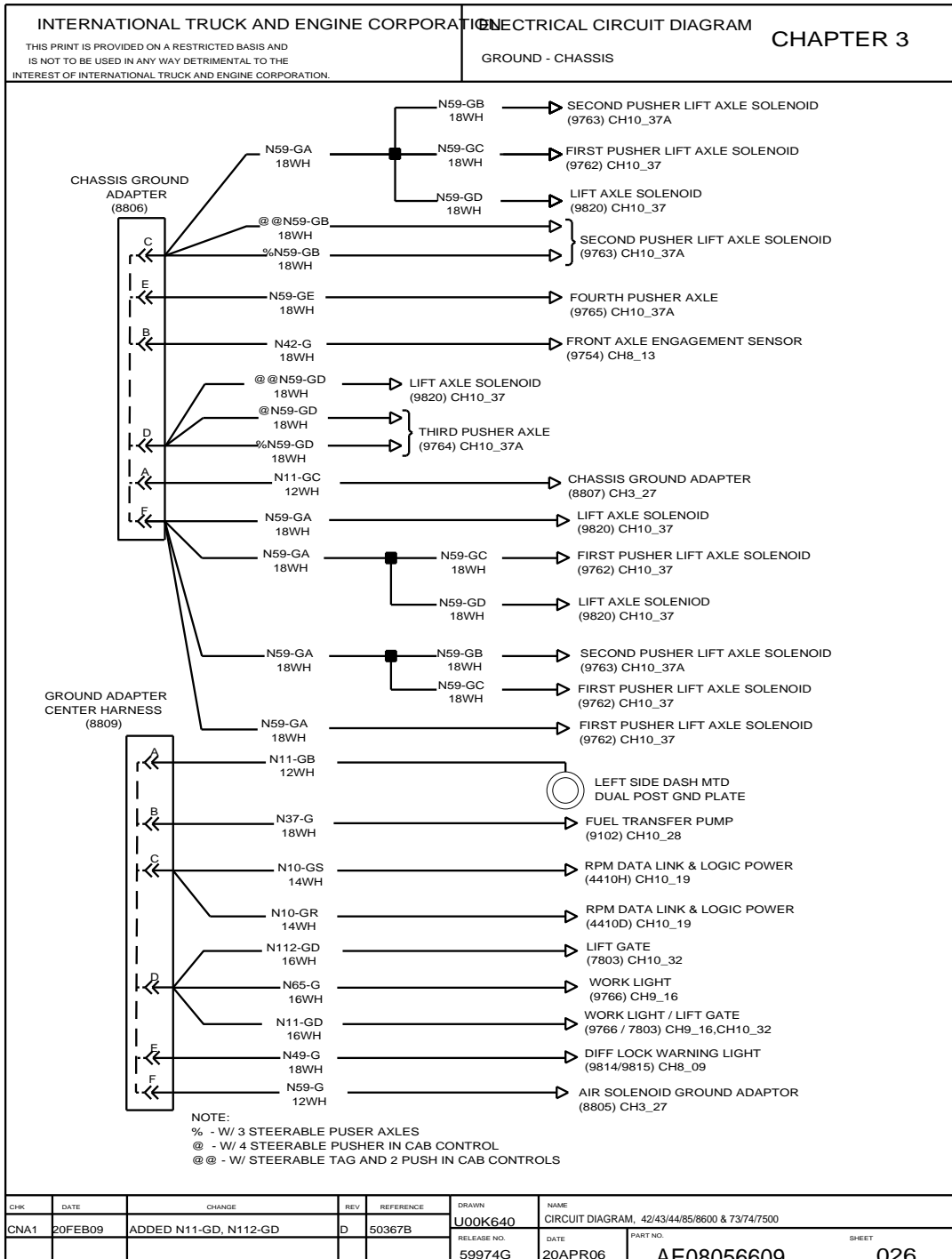


**GROUND — CHASSIS WITH HEAVY DUTY DIESEL, P. 25 12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)**

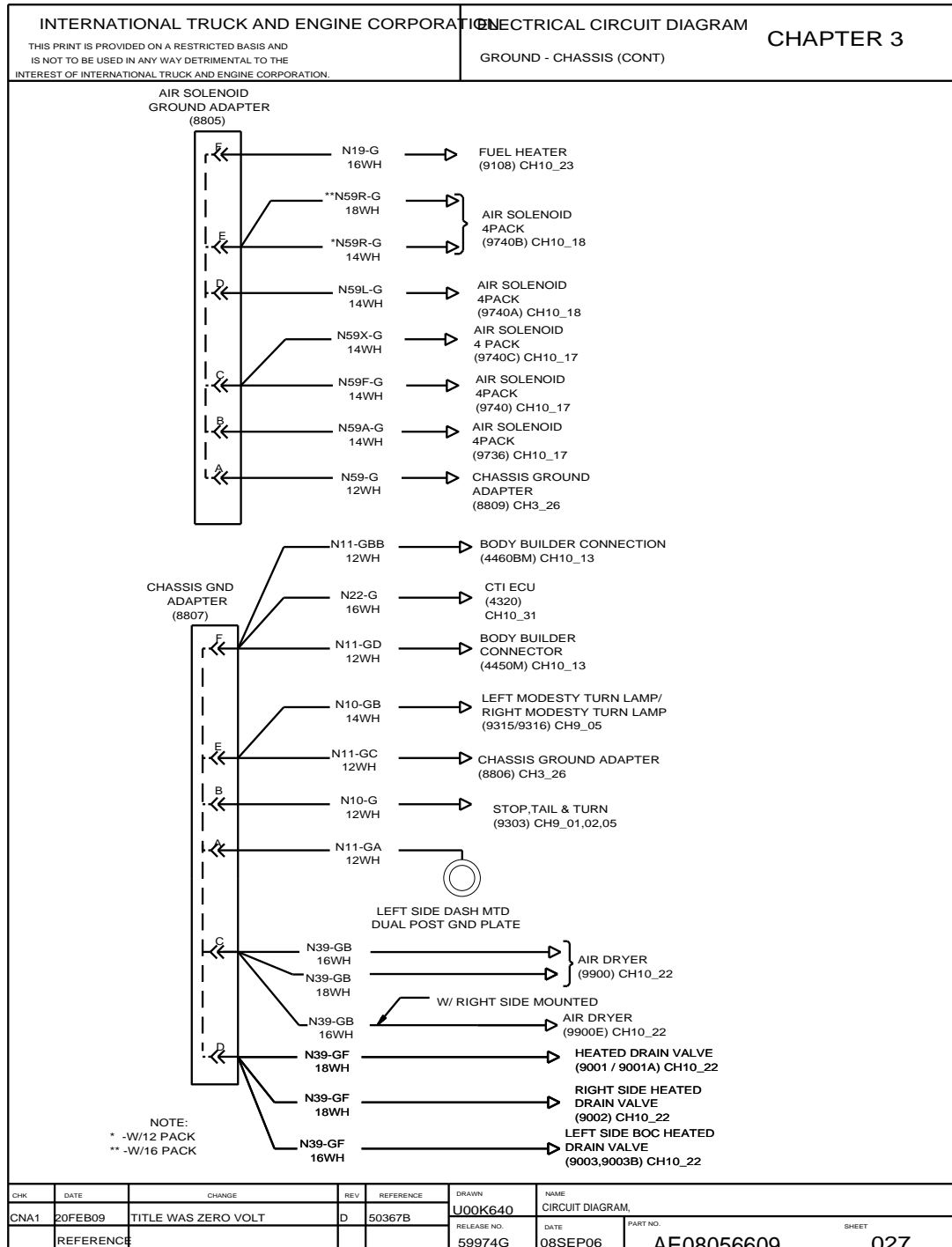
**3.25. GROUND — CHASSIS WITH HEAVY DUTY DIESEL, P. 25**



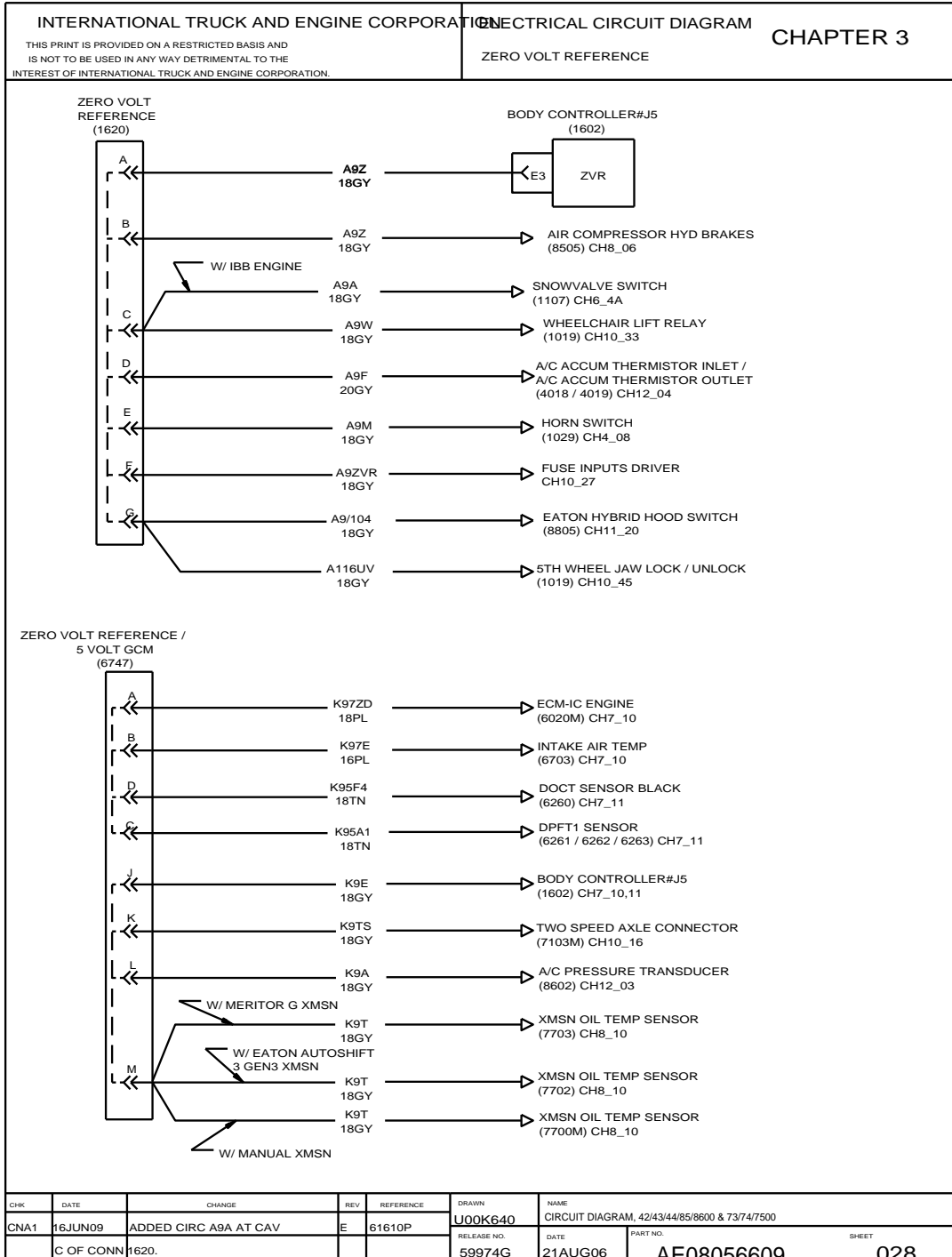
3.26. GROUND — CHASSIS, P. 26



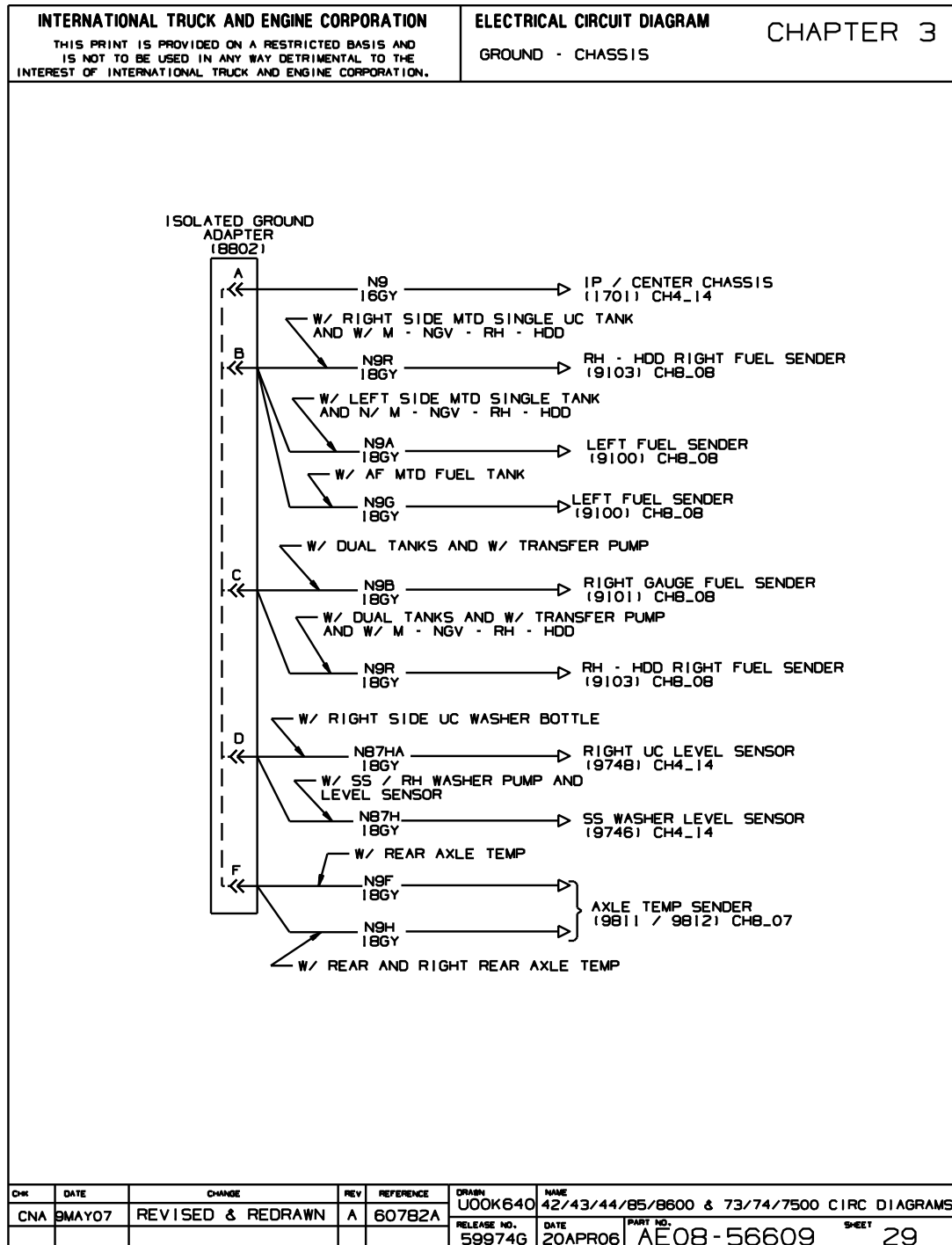
3.27. GROUND — CHASSIS, P. 27



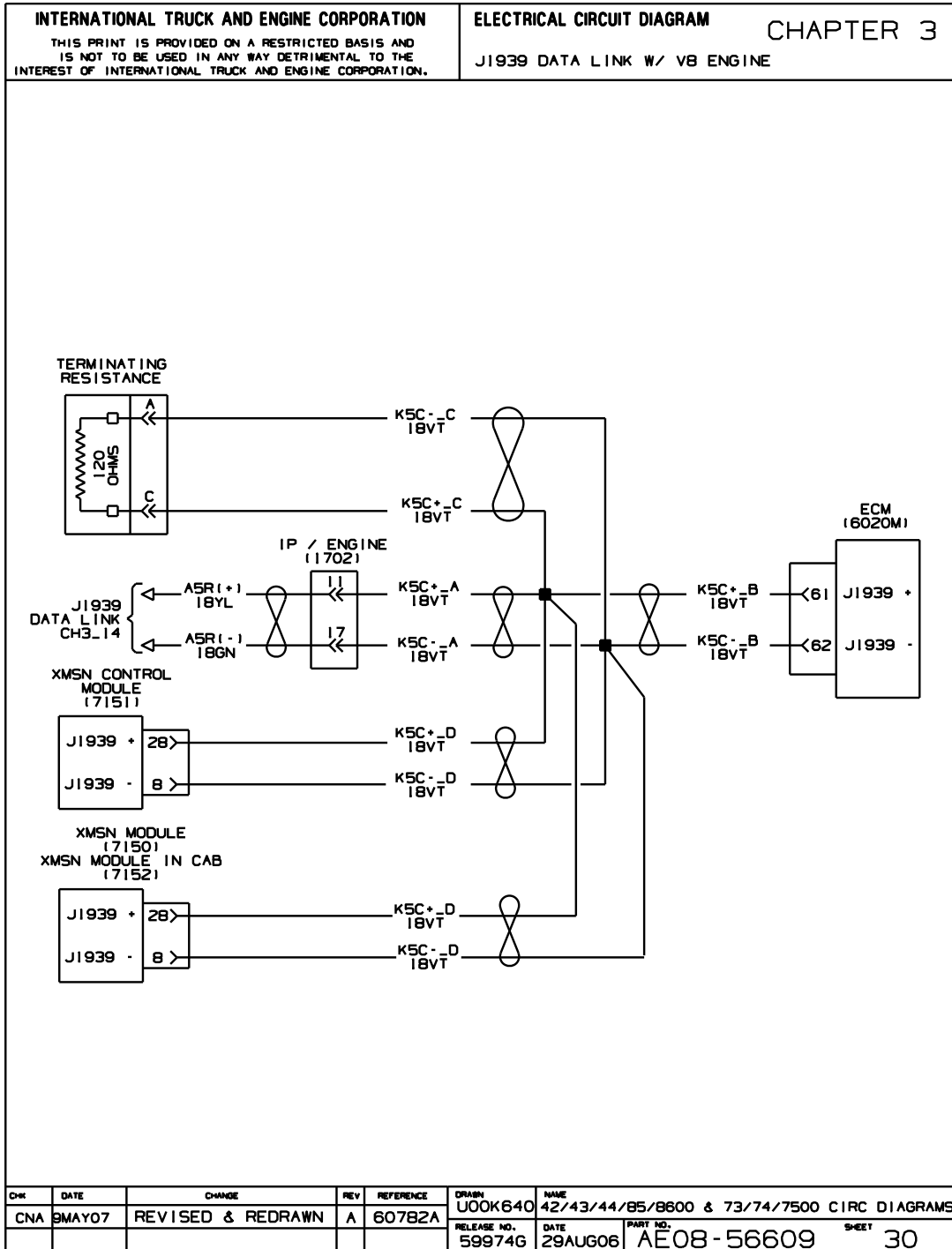
3.28. ZERO VOLT REFERENCE, P. 28



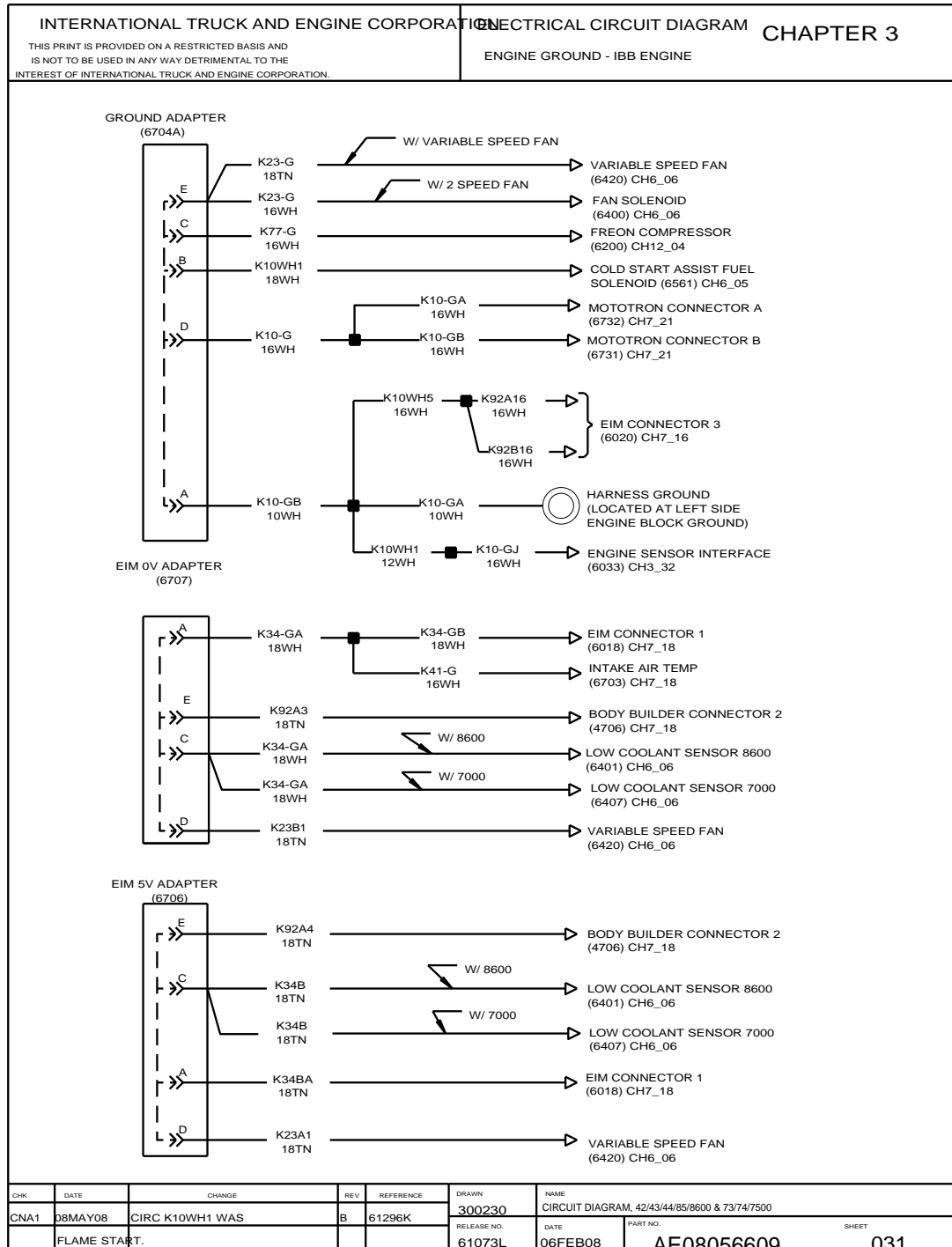
3.29. GROUND — CHASSIS, P. 29



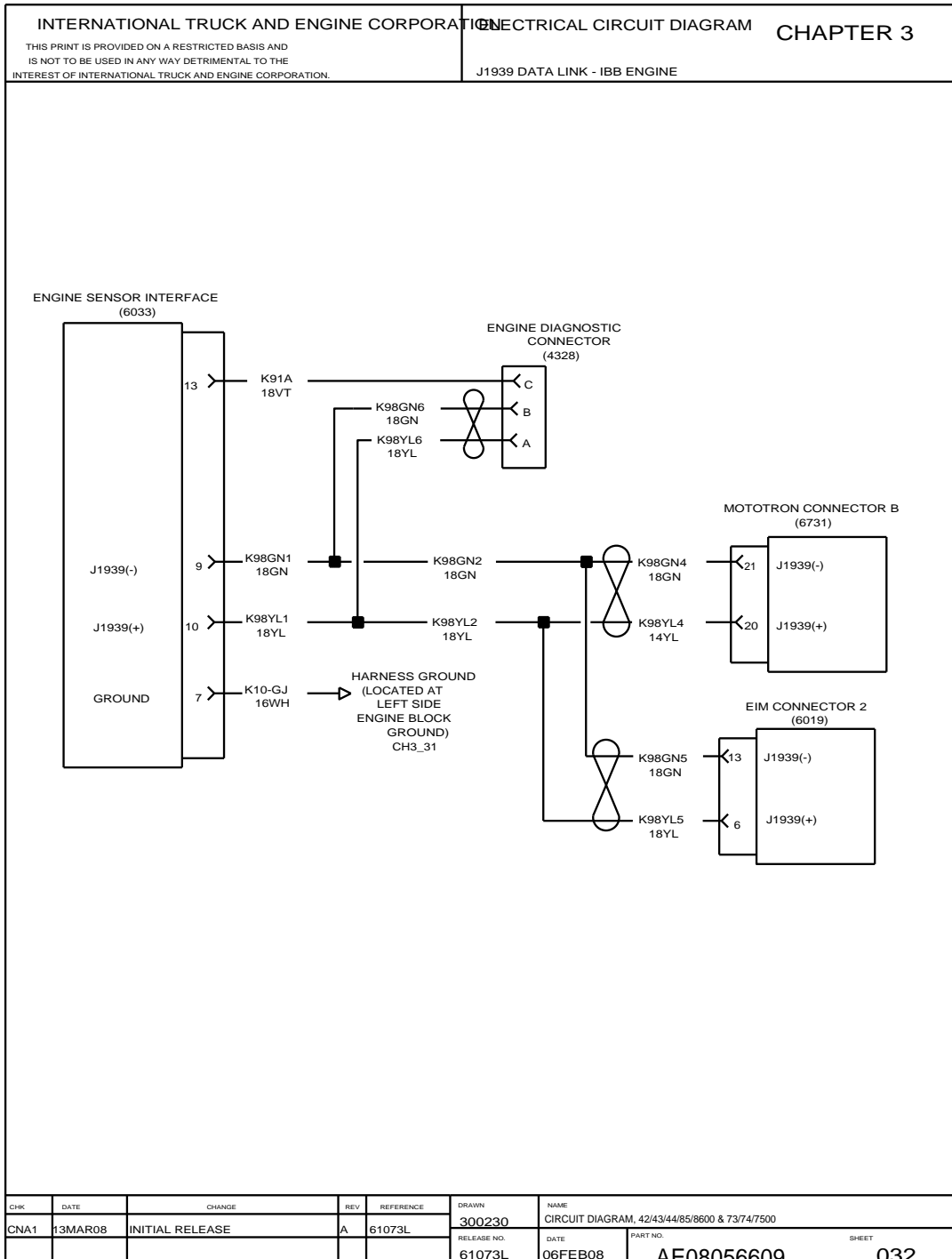
3.30. J1939 DATA LINK WITH V8 ENGINE, P. 30



3.31. ENGINE GROUND — IBB ENGINE, P. 31

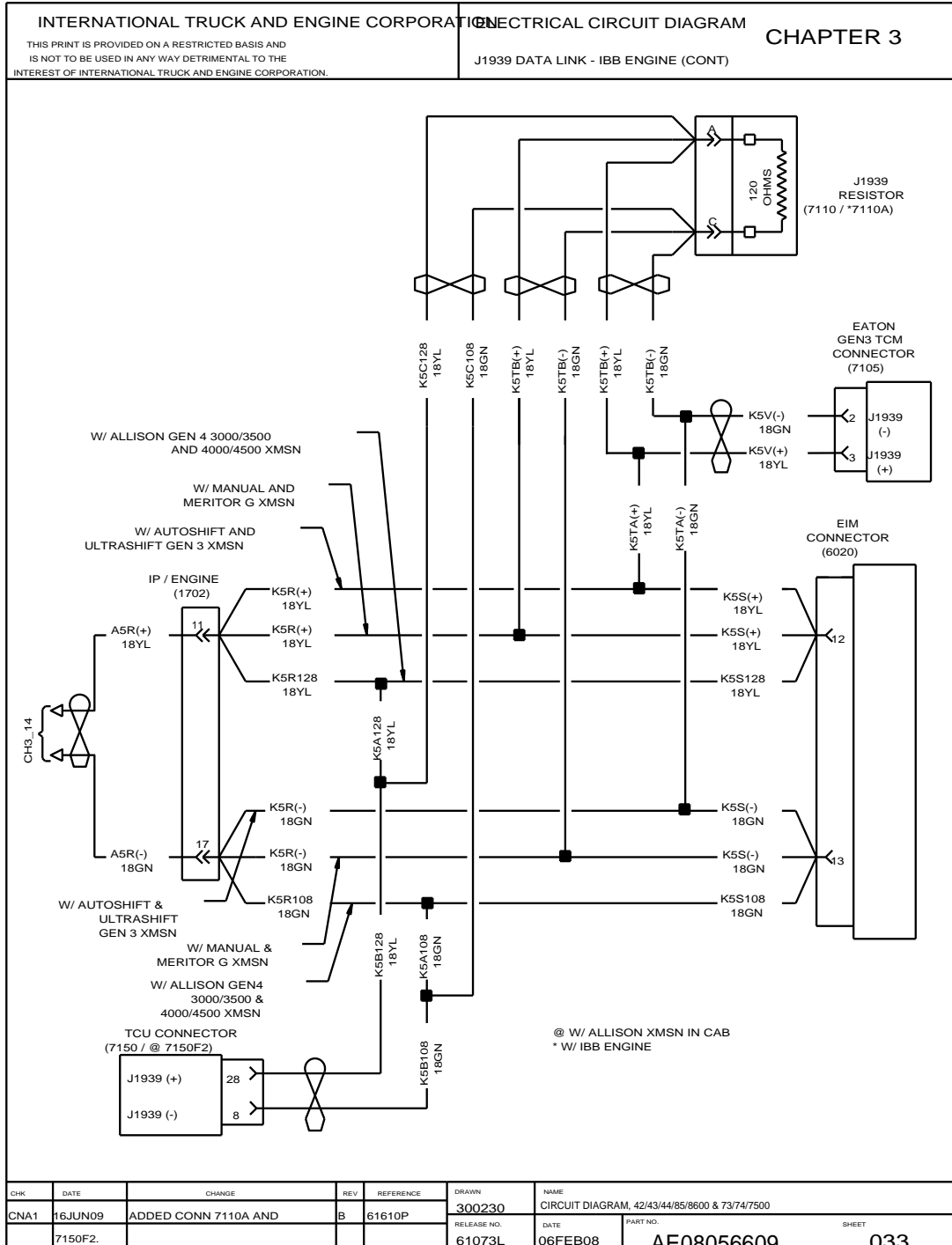


3.32. J1939 DATA LINK — IBB ENGINE, P. 32



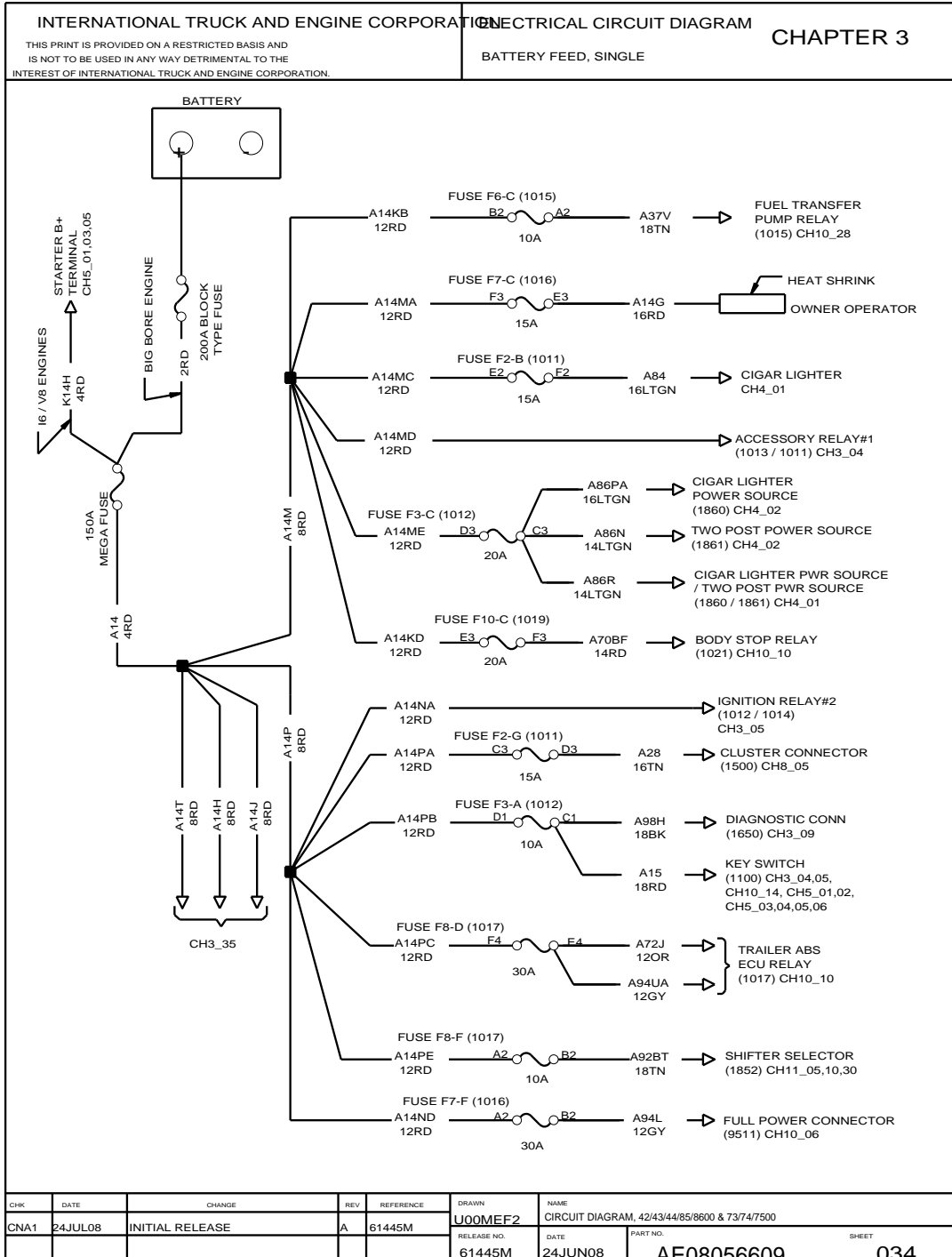


3.33. J1939 DATA LINK — IBB ENGINE, P. 33



12 VOLT POWER DISTRIBUTION, GROUNDS, DATA BUS AND ELECTRICAL SYSTEM CONTROLLER  
(CHAPTER 3)  
BATTERY FEED, SINGLE, P. 34

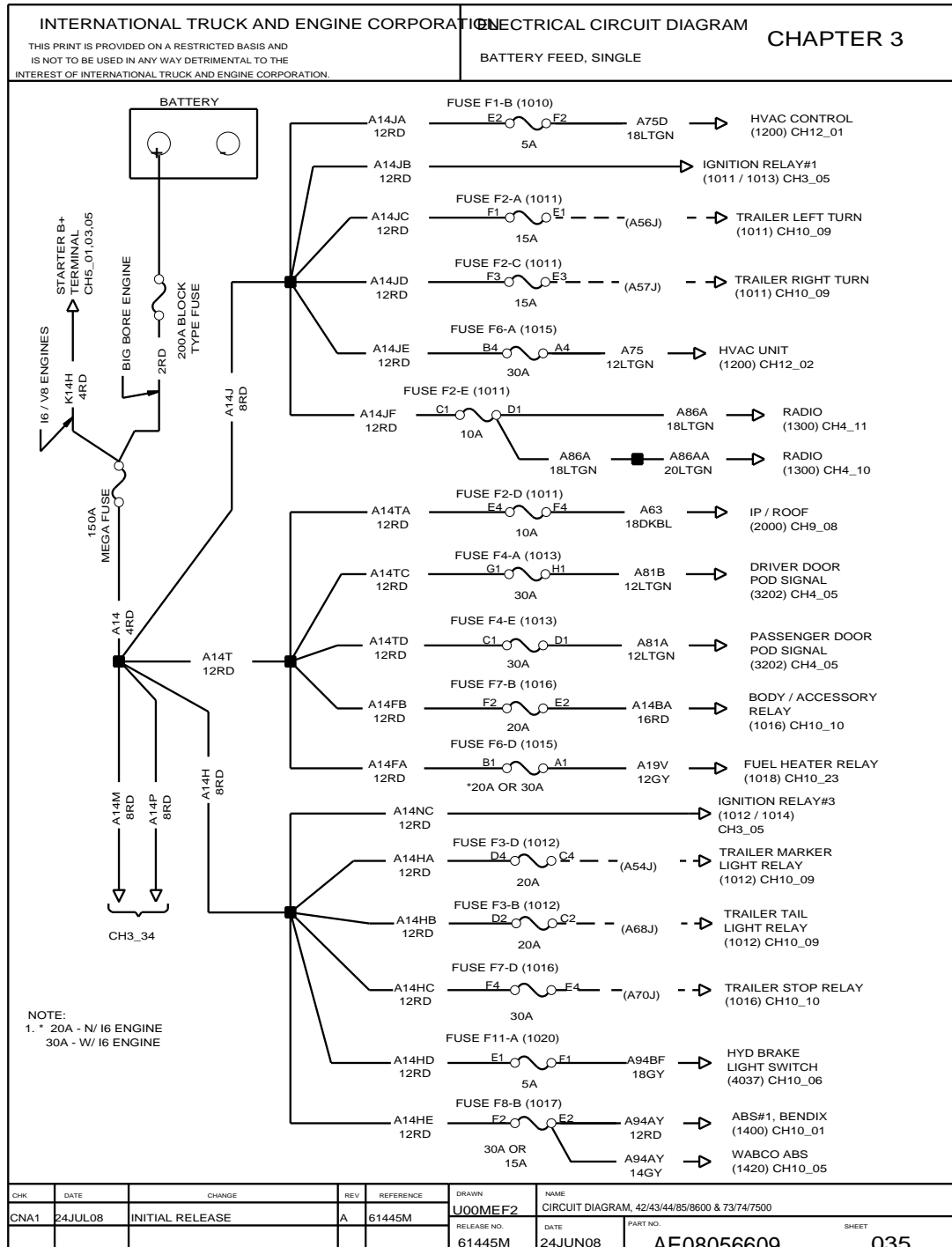
3.34. BATTERY FEED, SINGLE, P. 34



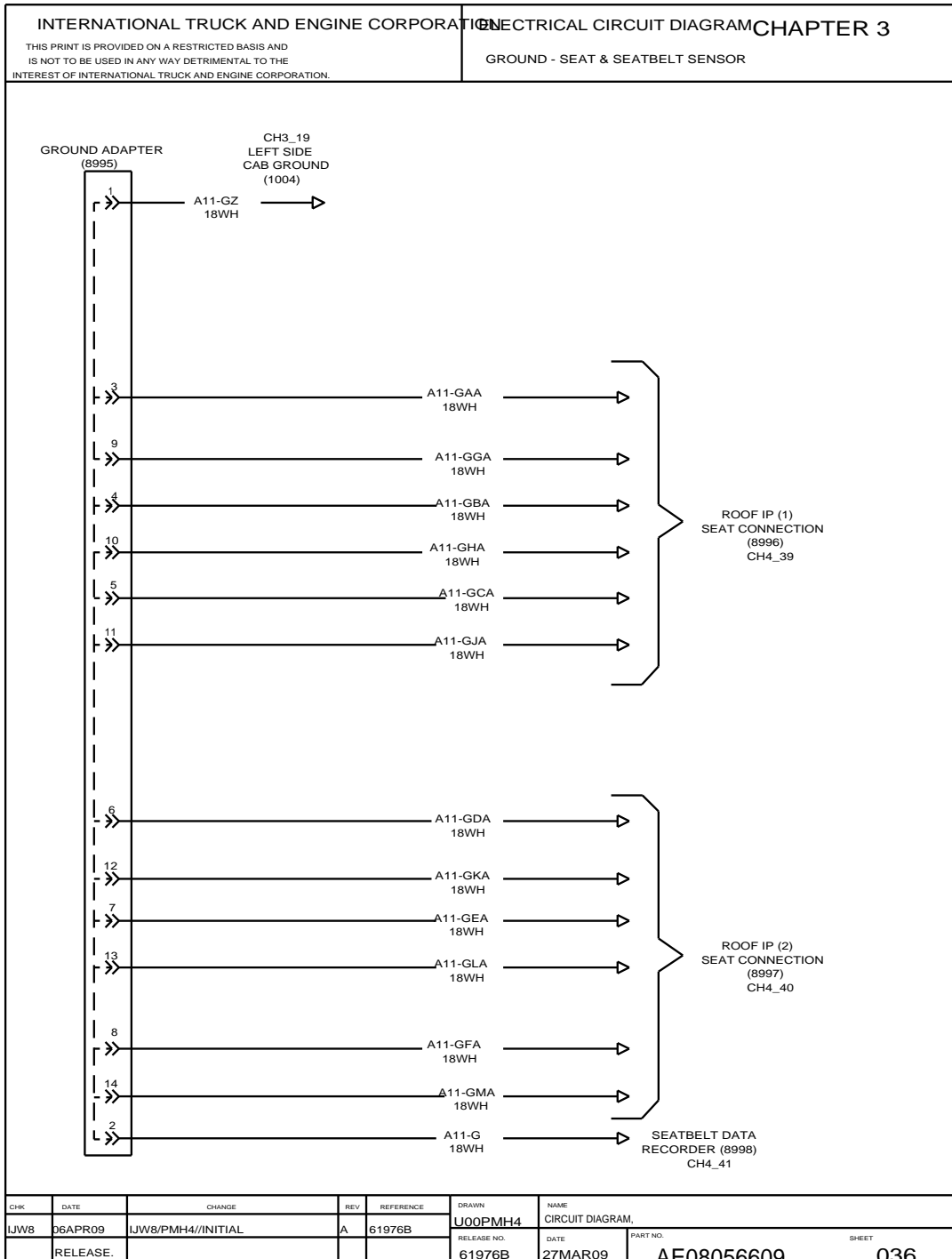
**BATTERY FEED, SINGLE, P. 35**  
**DATA BUS AND ELECTRICAL SYSTEM CONTROLLER (CHAPTER 3)**

**12 VOLT POWER DISTRIBUTION, GROUNDS,**

**3.35. BATTERY FEED, SINGLE, P. 35**

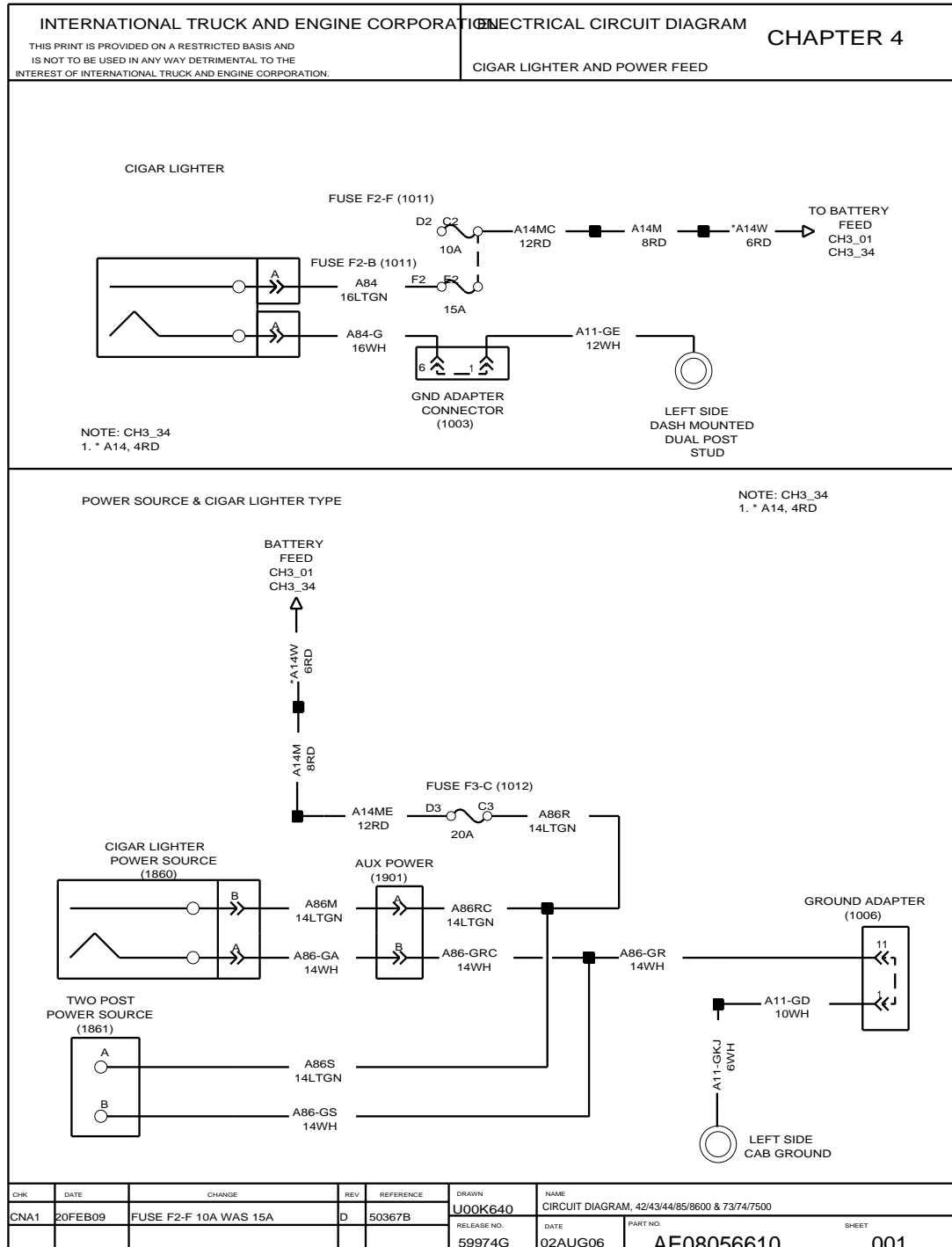


3.36. GROUND — SEAT AND SEATBELT SENSOR, P. 36

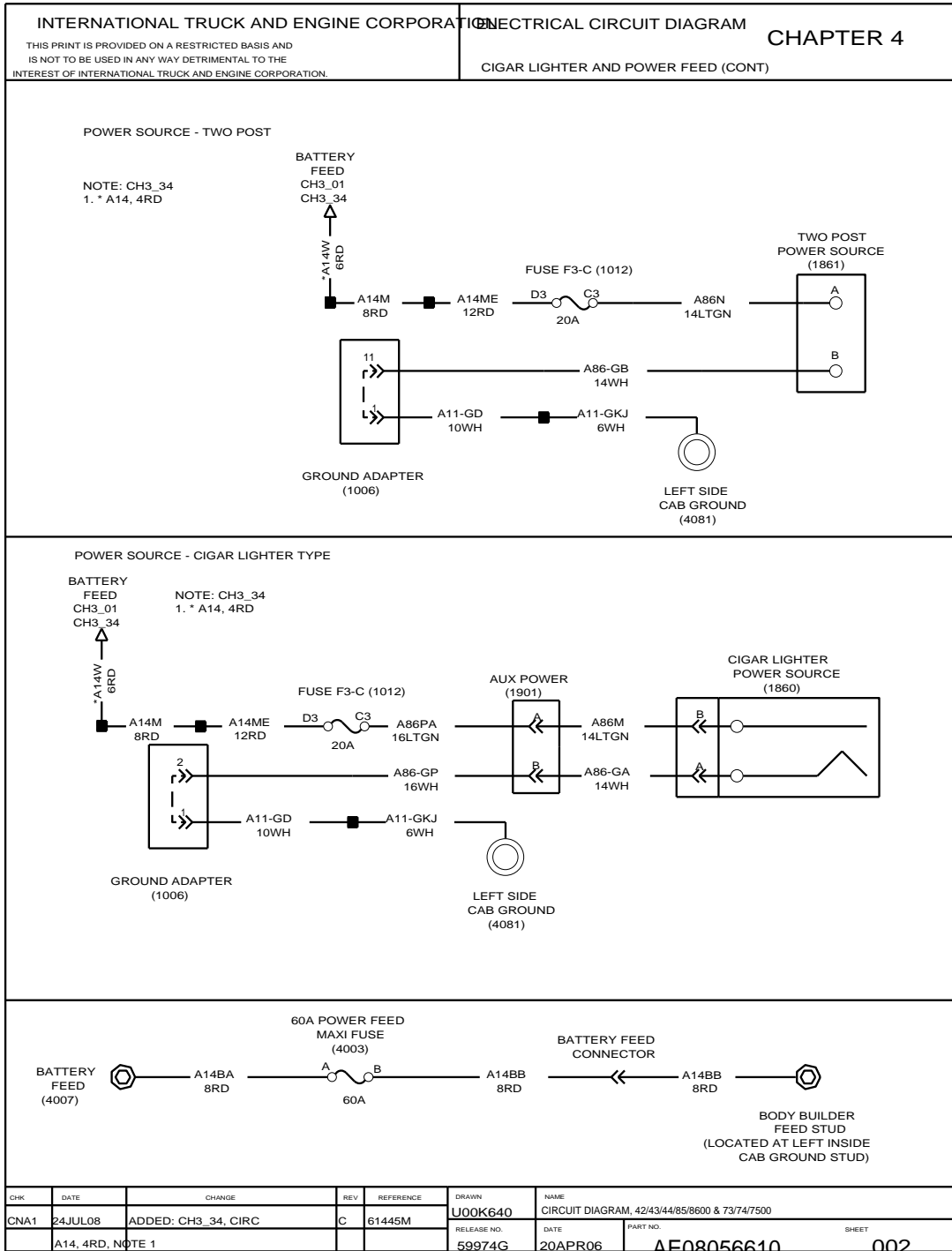


## 4. CAB ACCESSORIES (CHAPTER 4)

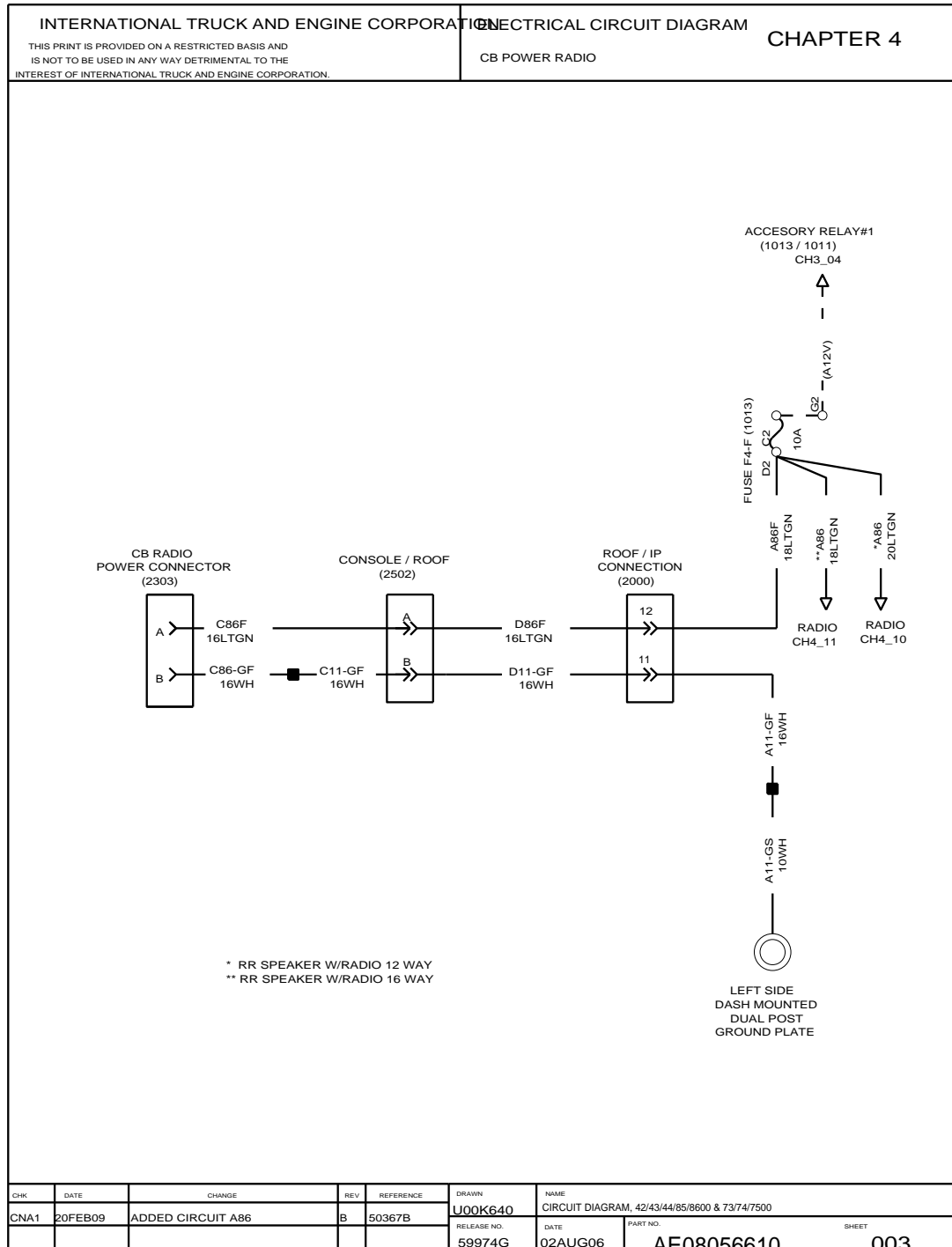
### 4.1. CIGAR LIGHTER AND POWER FEED, P. 1



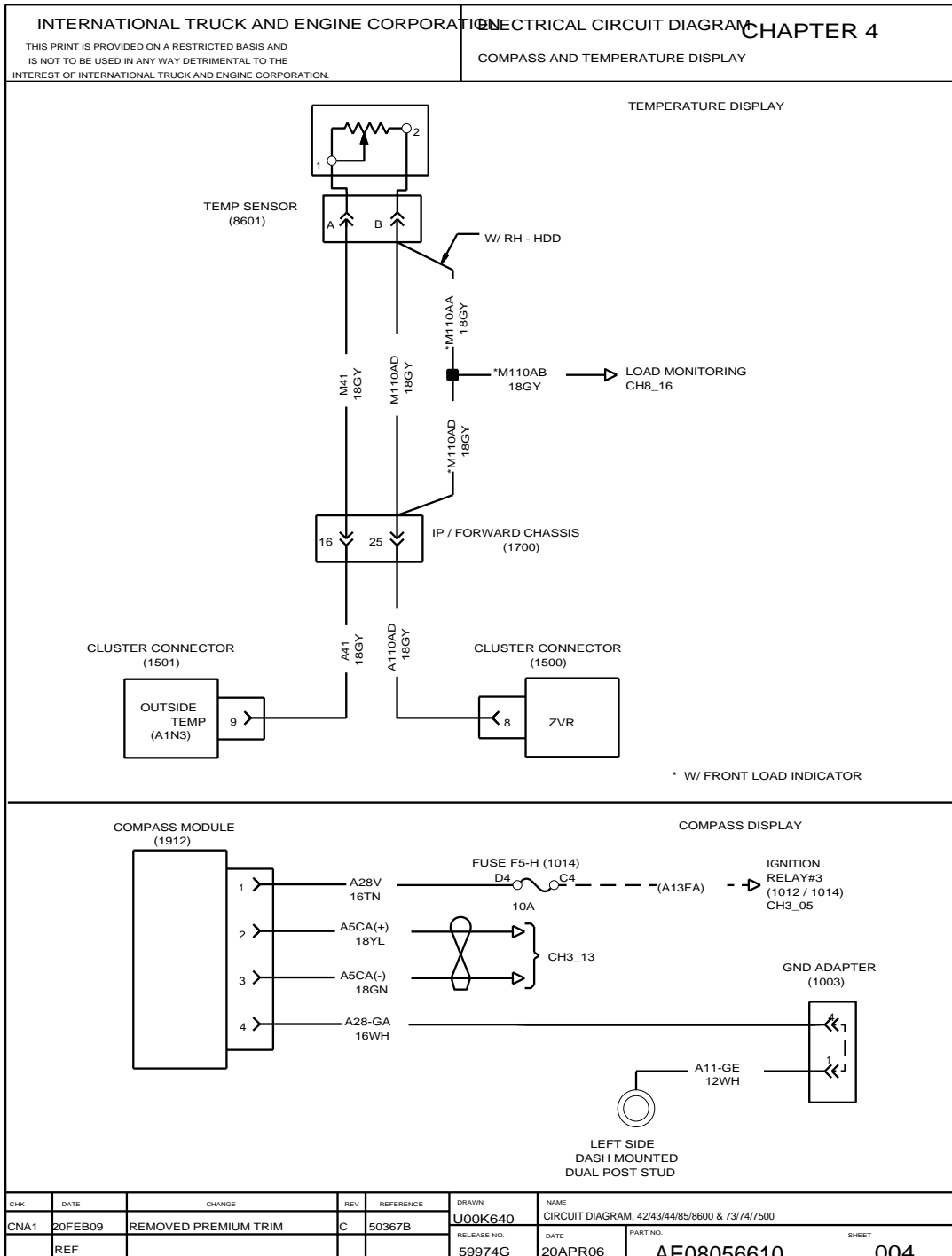
4.2. CIGAR LIGHTER AND POWER FEED, P. 2



4.3. CB POWER RADIO, P. 3

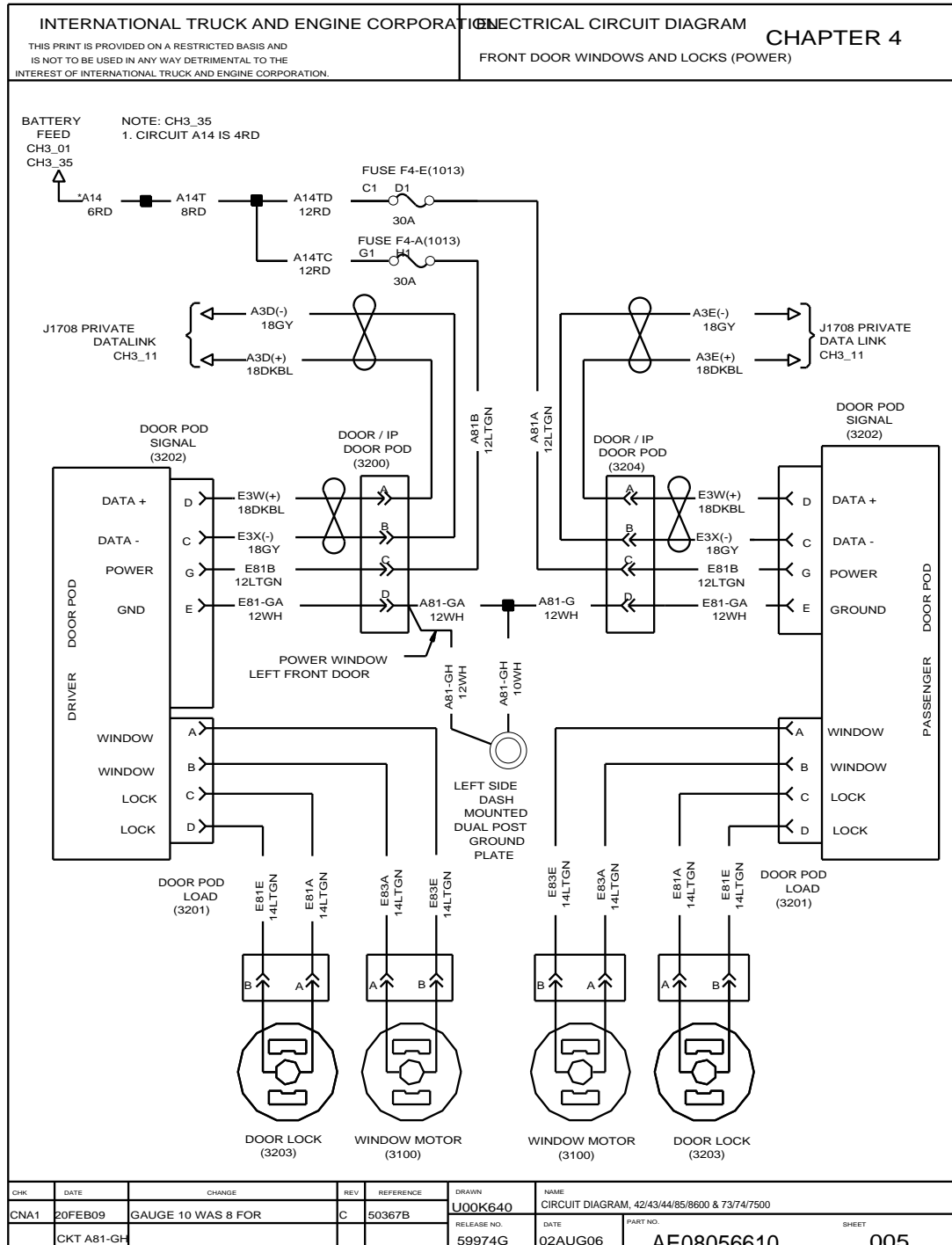


4.4. COMPASS AND TEMPERATURE DISPLAY, P. 4

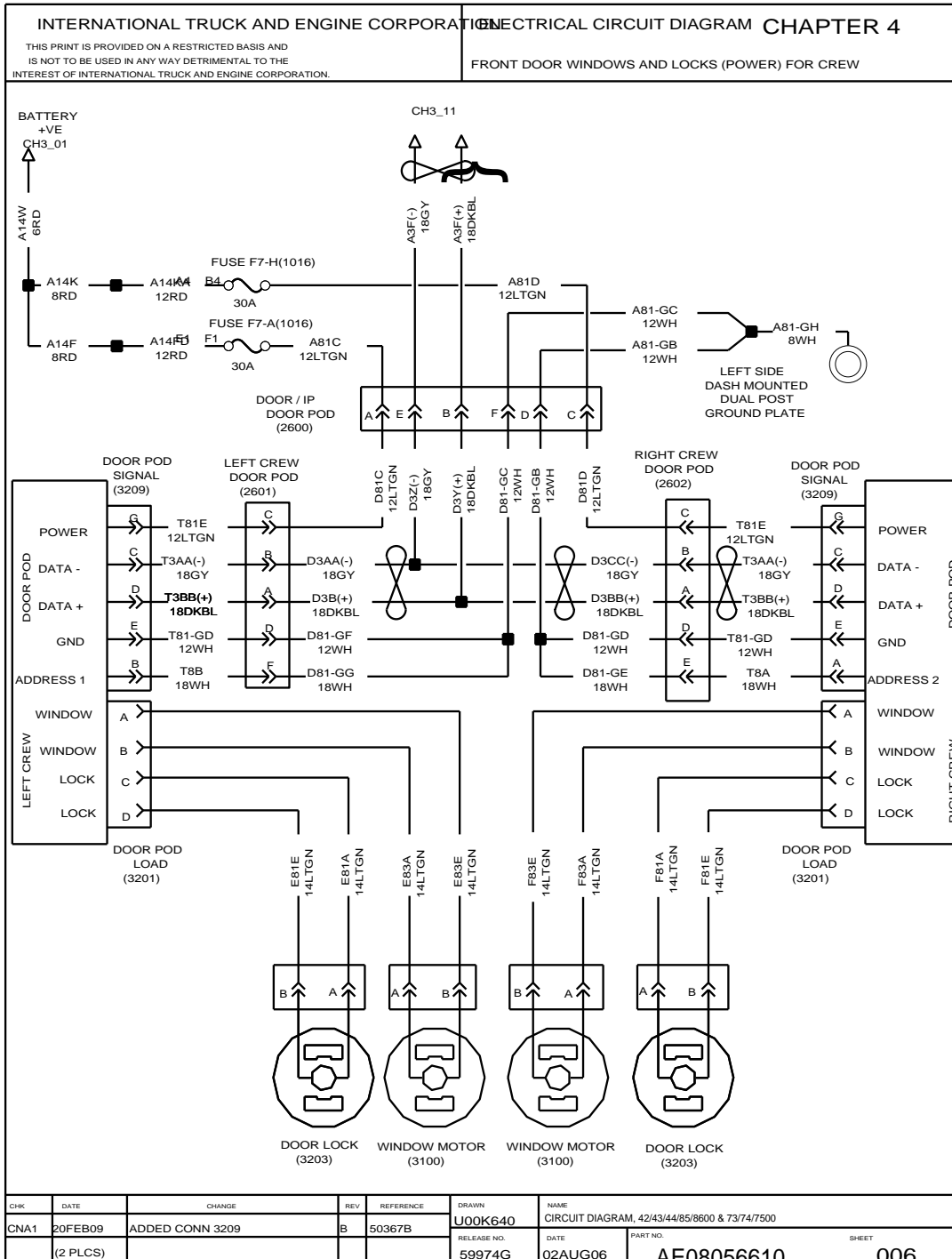




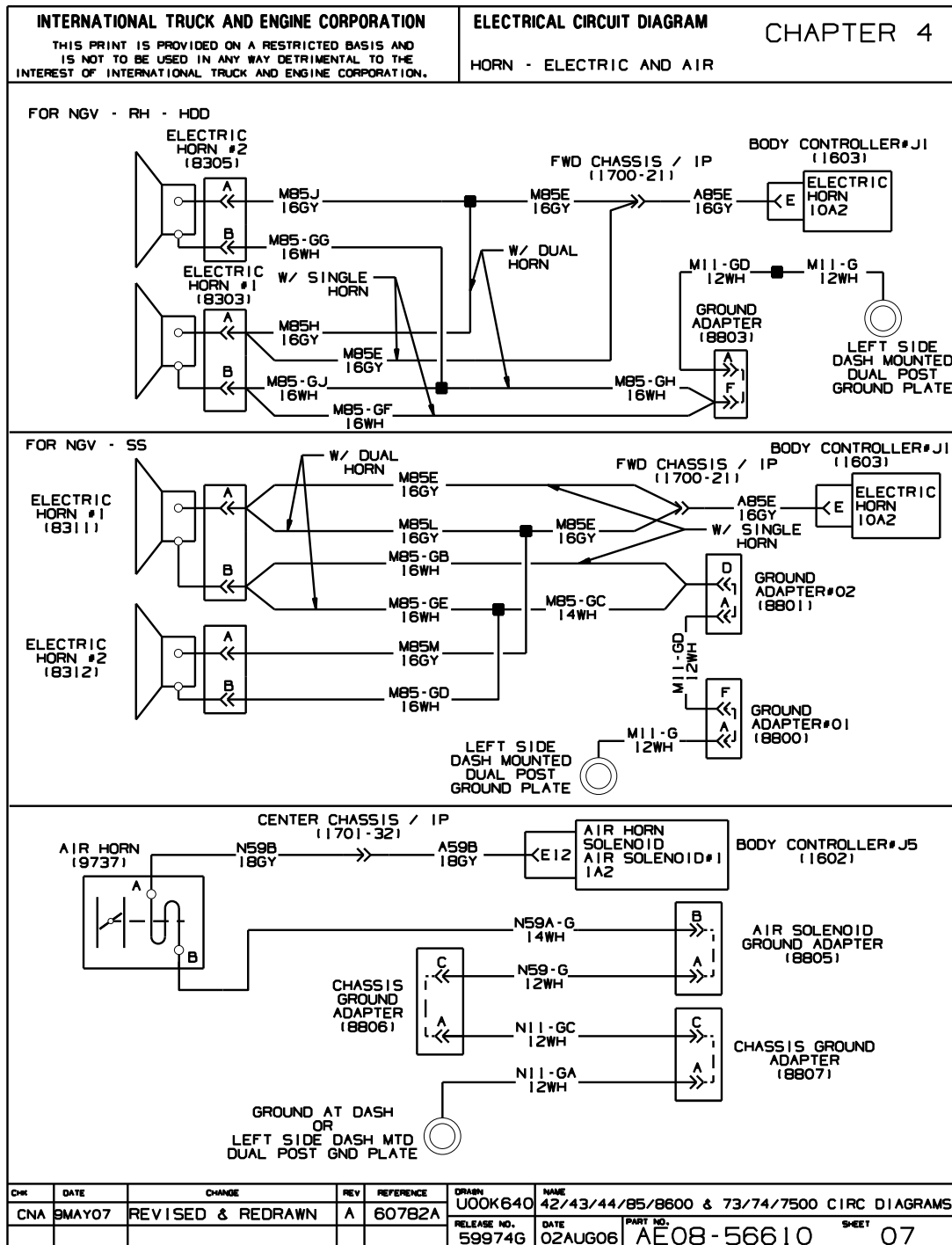
4.5. FRONT DOOR WINDOWS AND LOCKS (POWER), P. 5



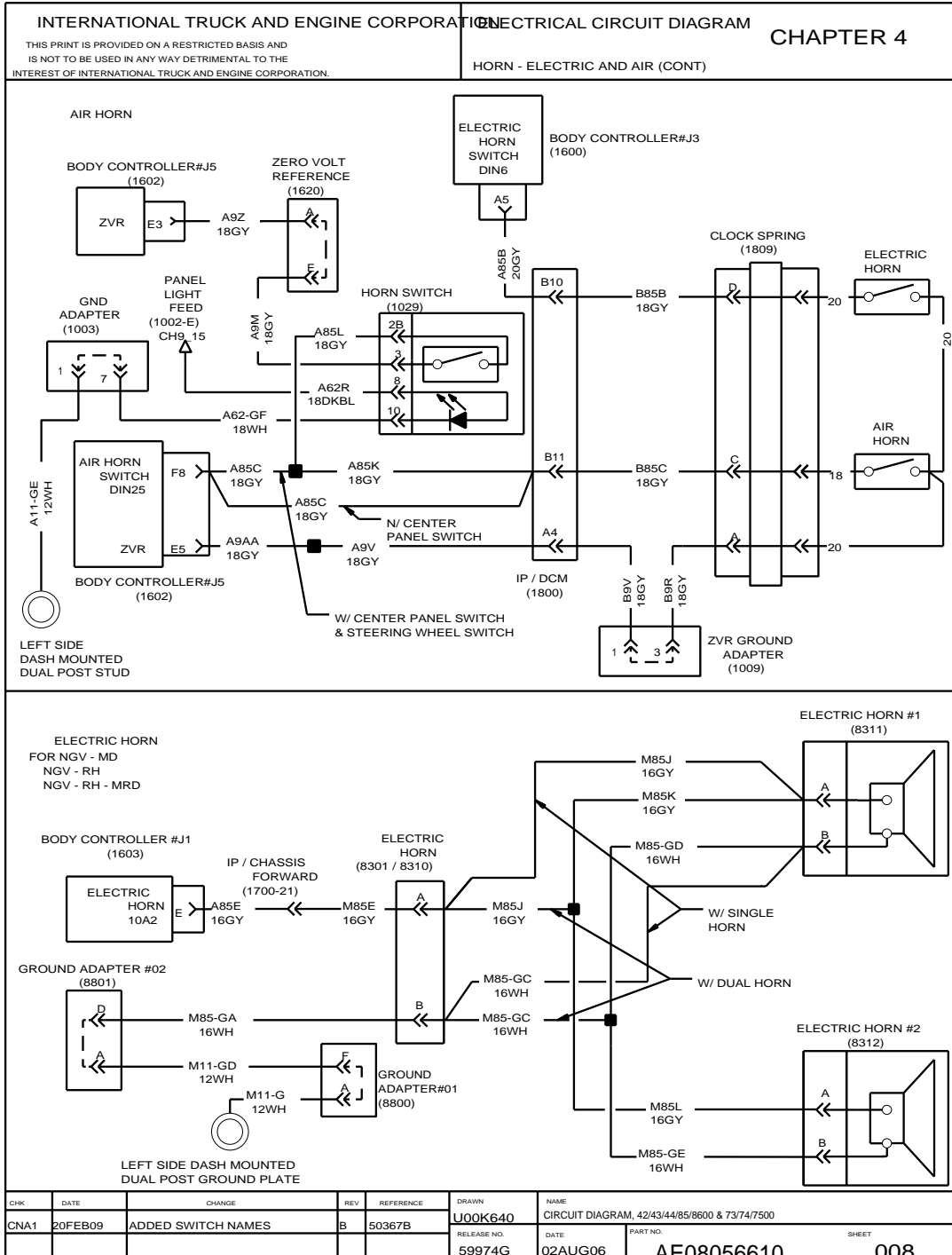
4.6. FRONT DOOR WINDOWS AND LOCKS (POWER) FOR CREW, P. 6



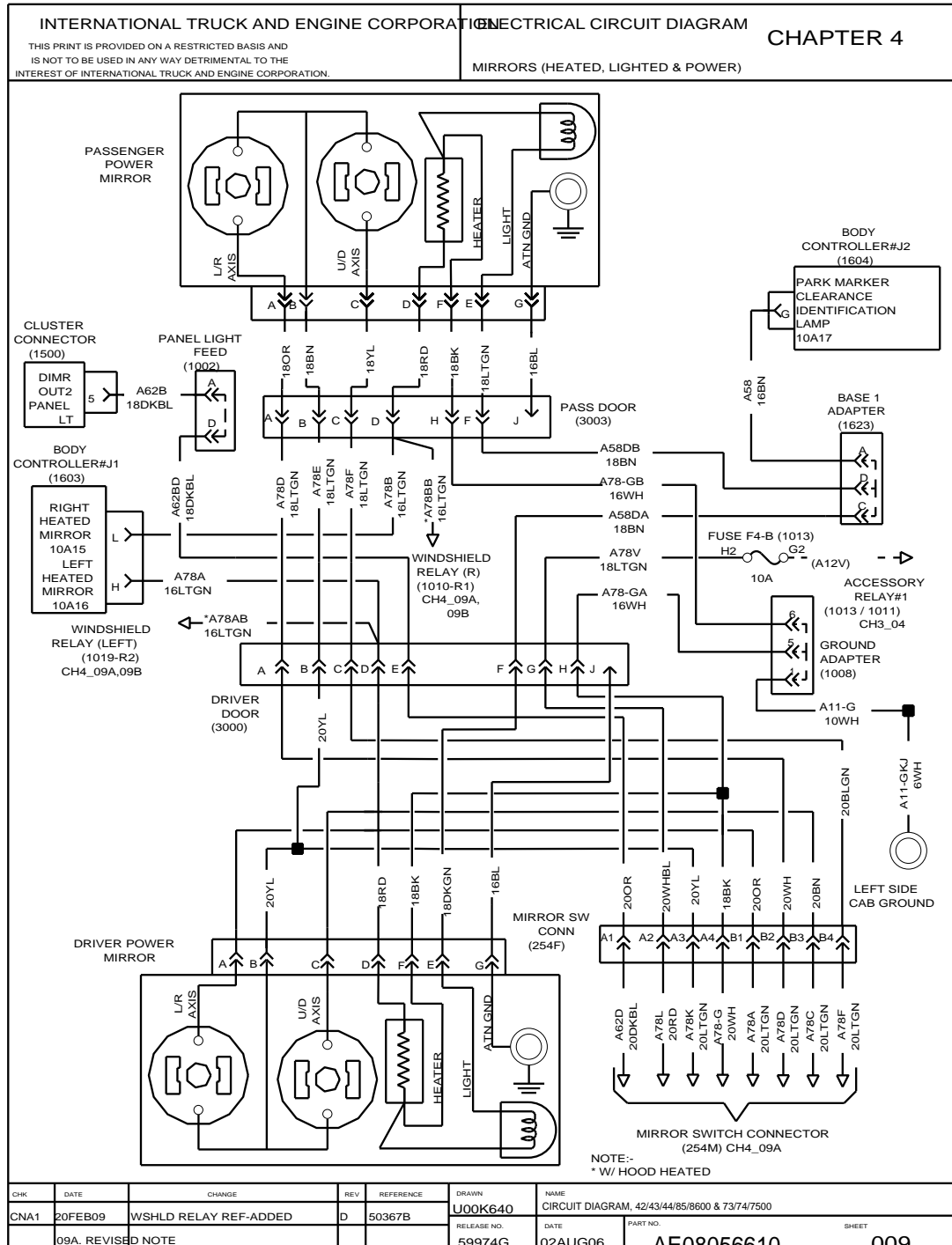
4.7. HORN, ELECTRIC AND AIR, P. 7



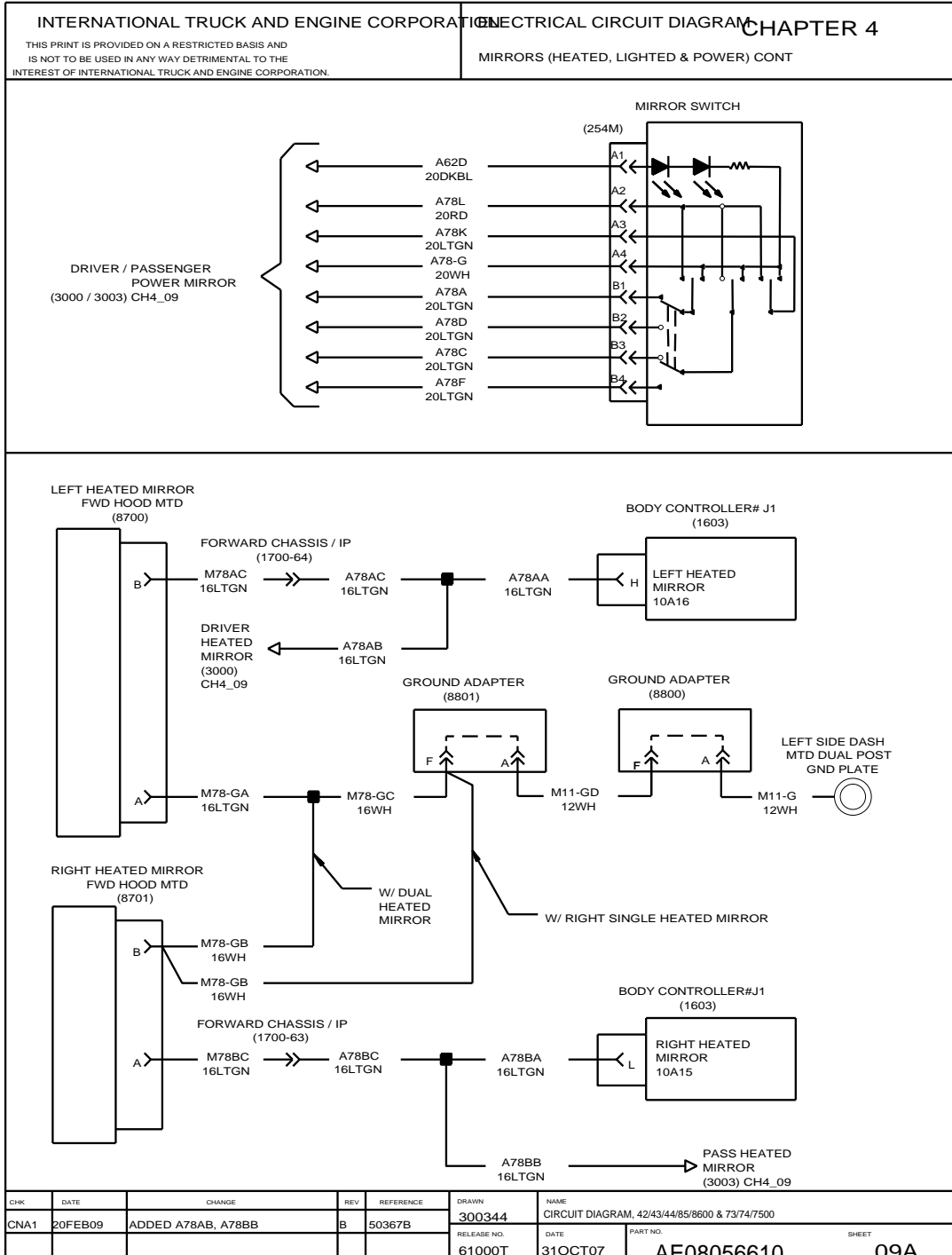
4.8. HORN, ELECTRIC AND AIR, P. 8



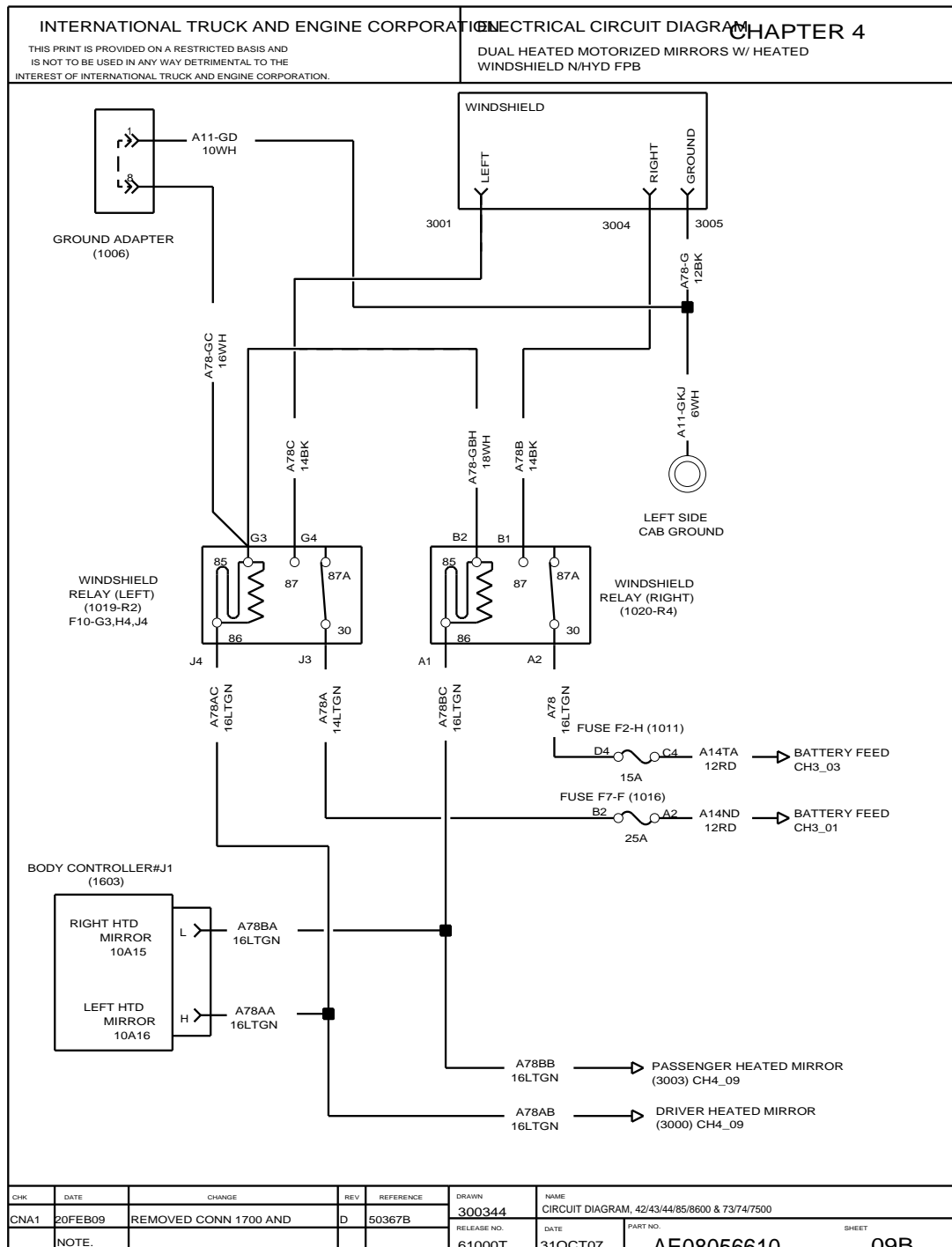
4.9. MIRRORS (HEATED, LIGHTED AND POWER), P. 9



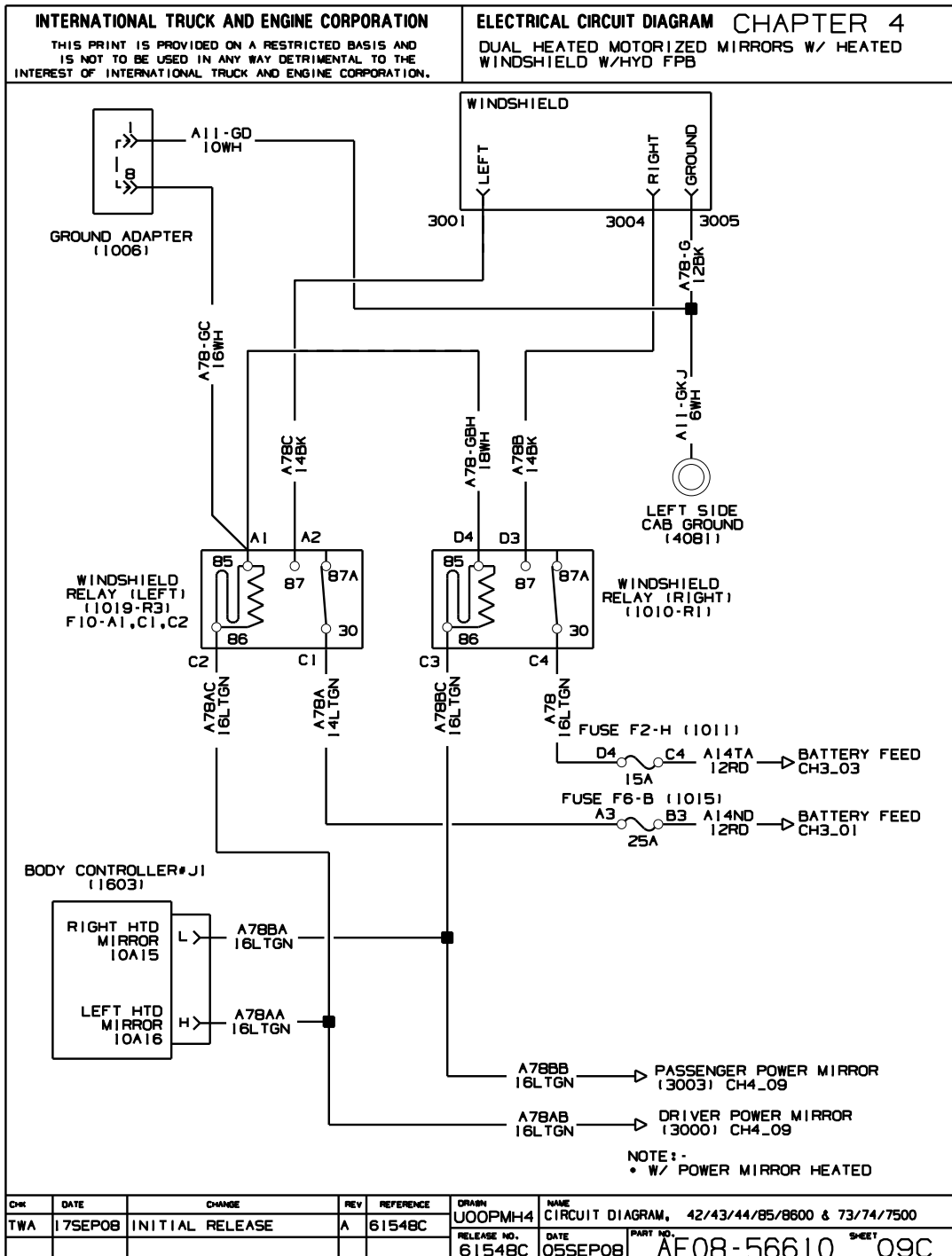
4.10. MIRRORS (HEATED, LIGHTED AND POWER), P. 9A



4.11. DUAL HEATED MOTORIZED MIRRORS WITH HEATED WINDSHIELD, N/HYD  
 FPB, P. 9B

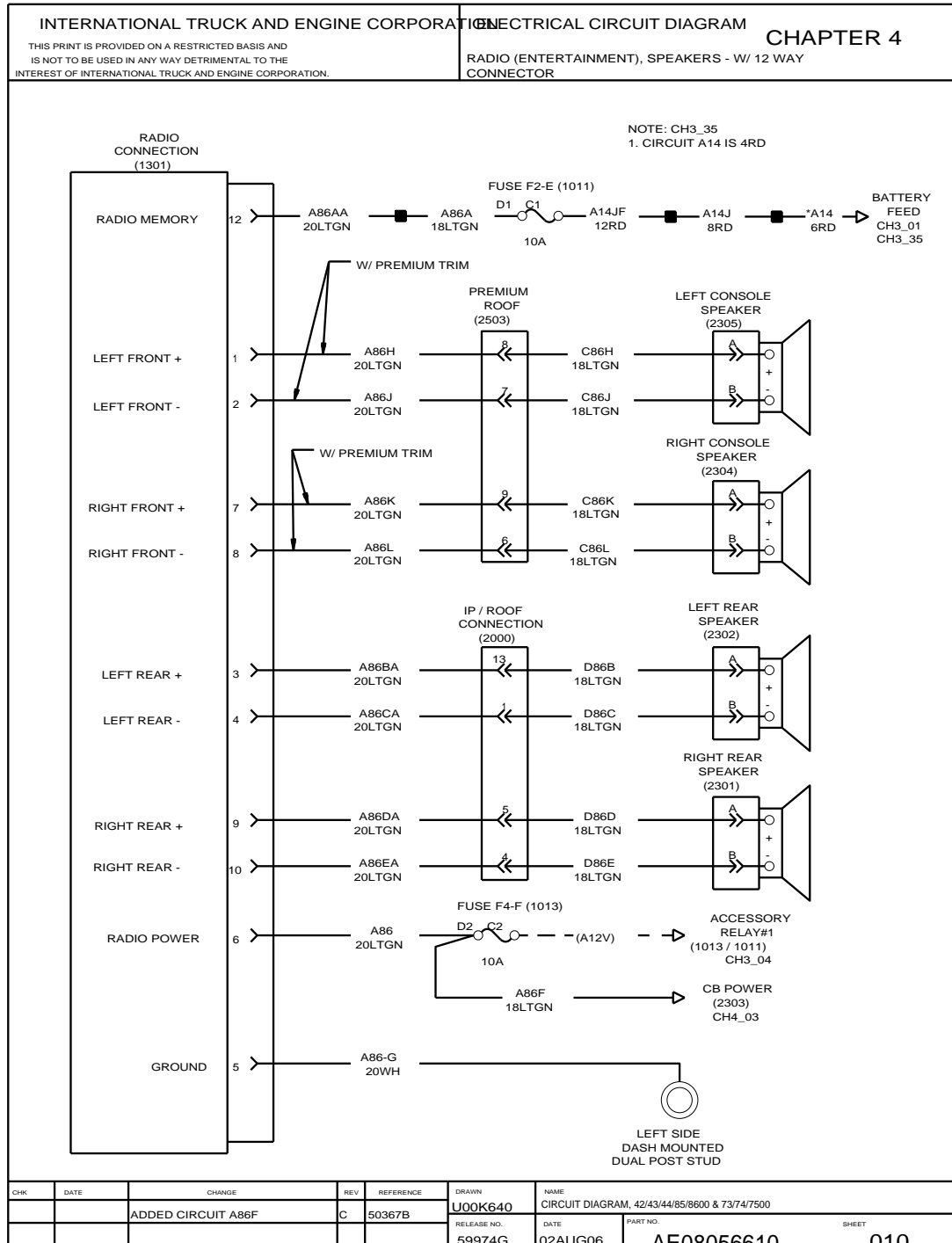


4.12. DUAL HEATED MOTORIZED MIRRORS WITH HEATED WINDSHIELD, W/HYD FPB, P. 9C

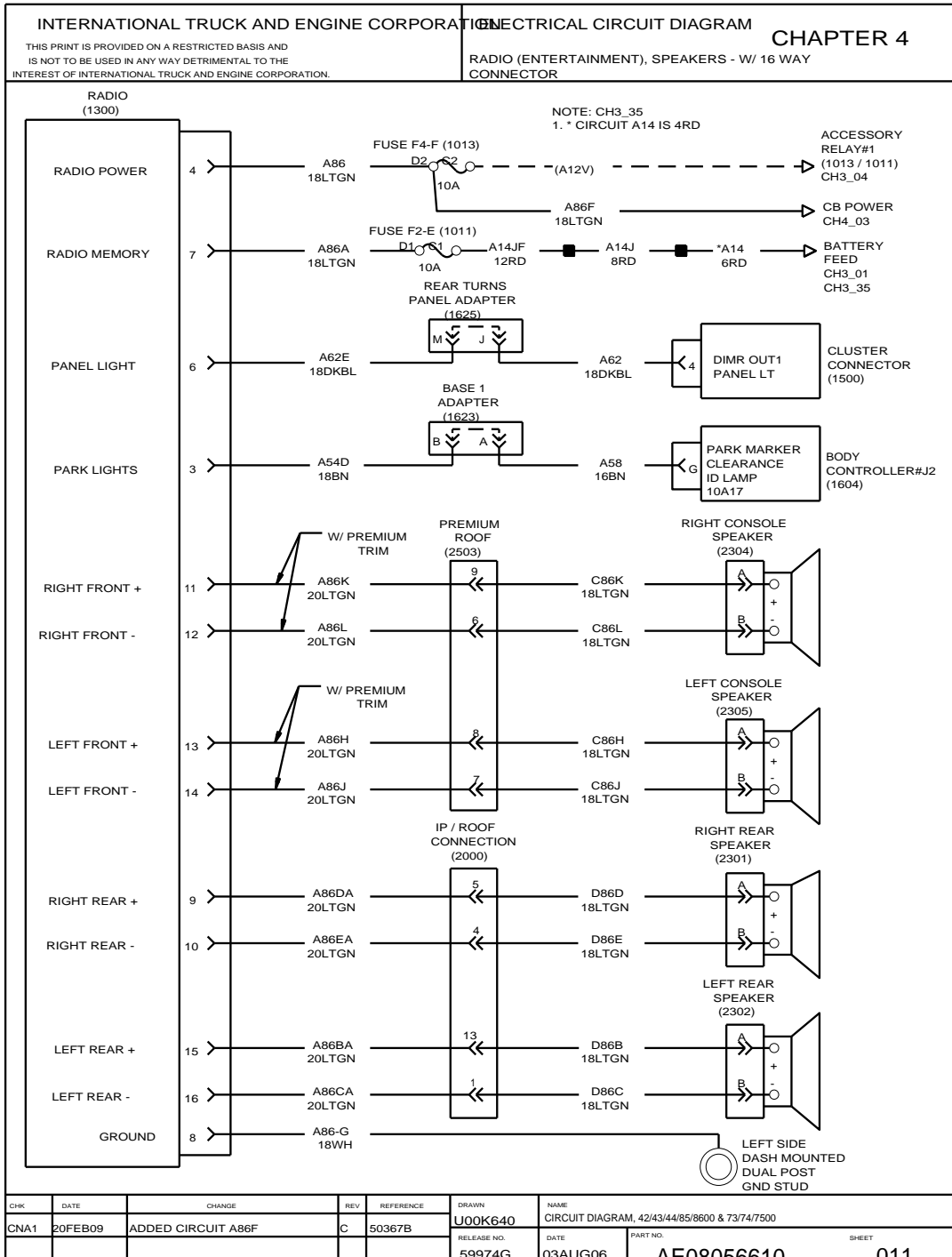




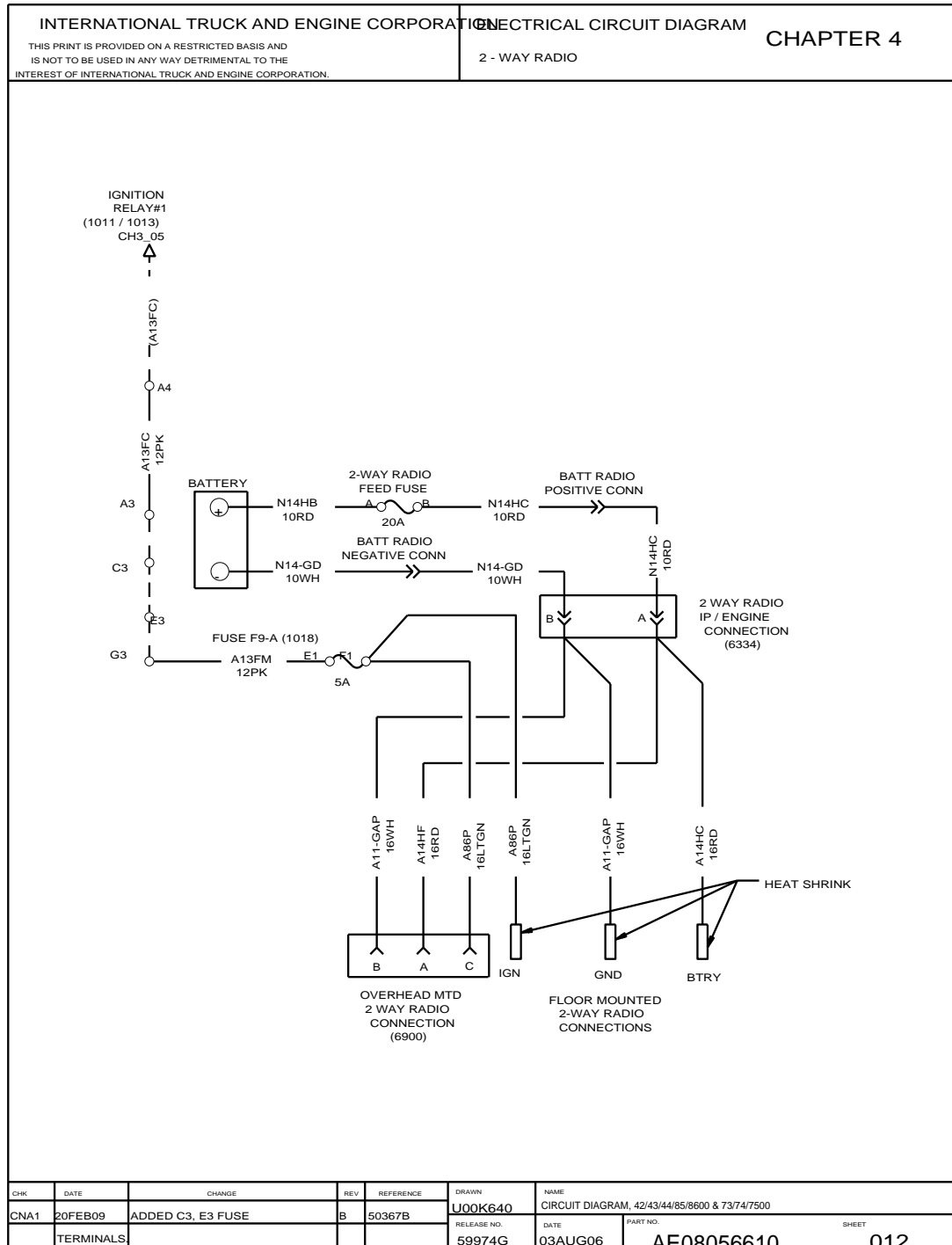
4.13. RADIO (ENTERTAINMENT), SPEAKERS WITH 12 WAY CONN, P. 10



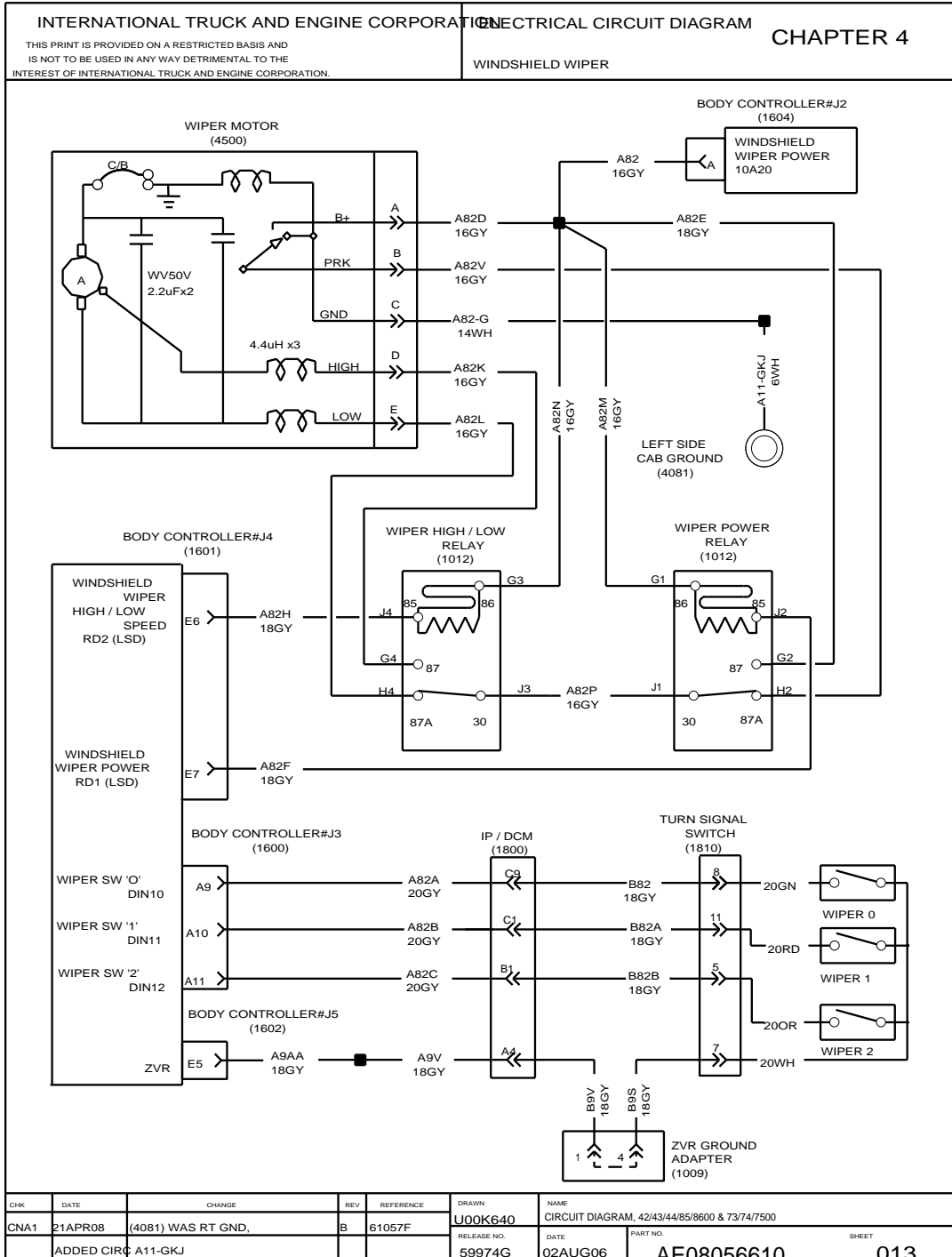
4.14. RADIO (ENTERTAINMENT), SPEAKERS WITH 16 WAY CONN, P. 11



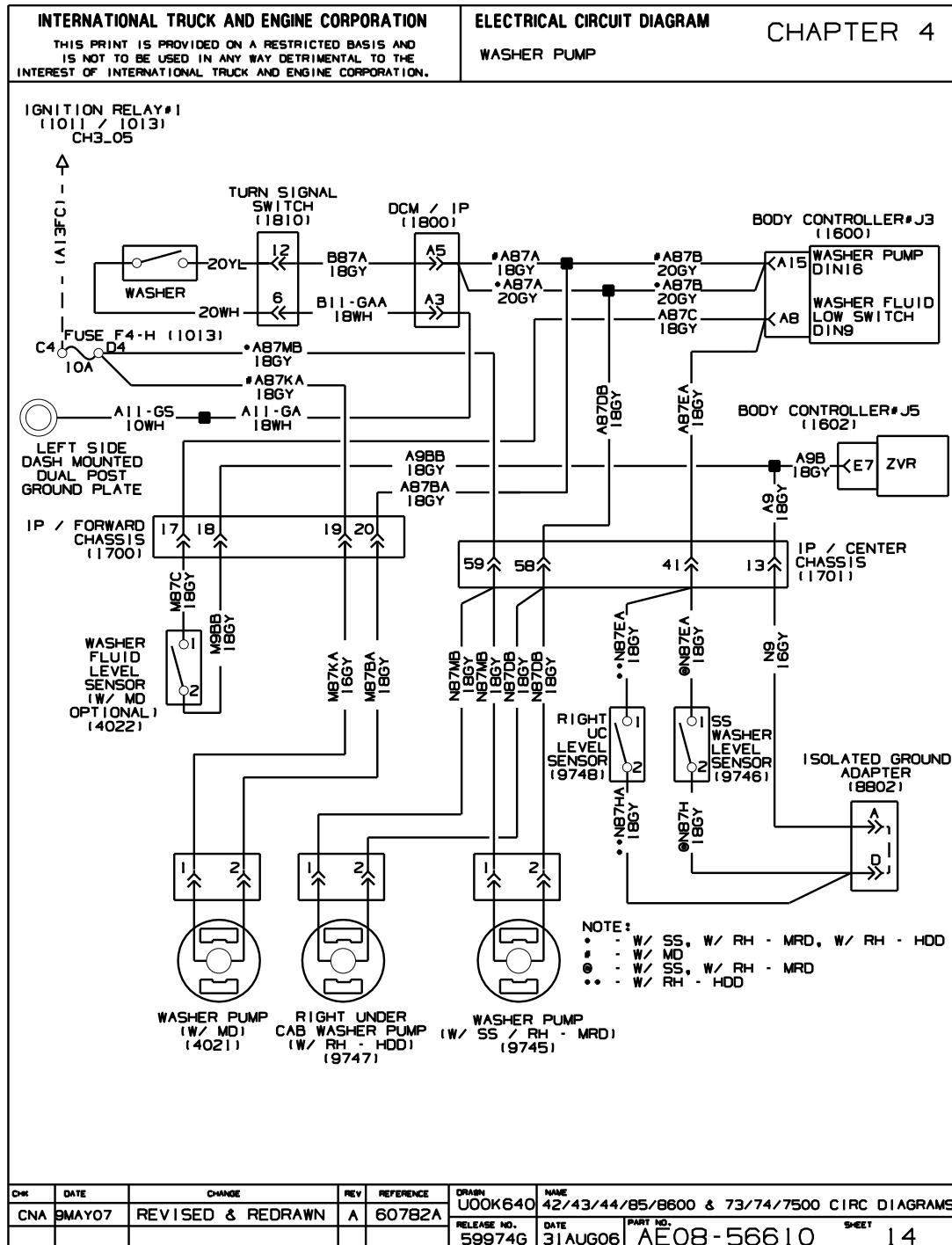
4.15. 2-WAY RADIO, P. 12



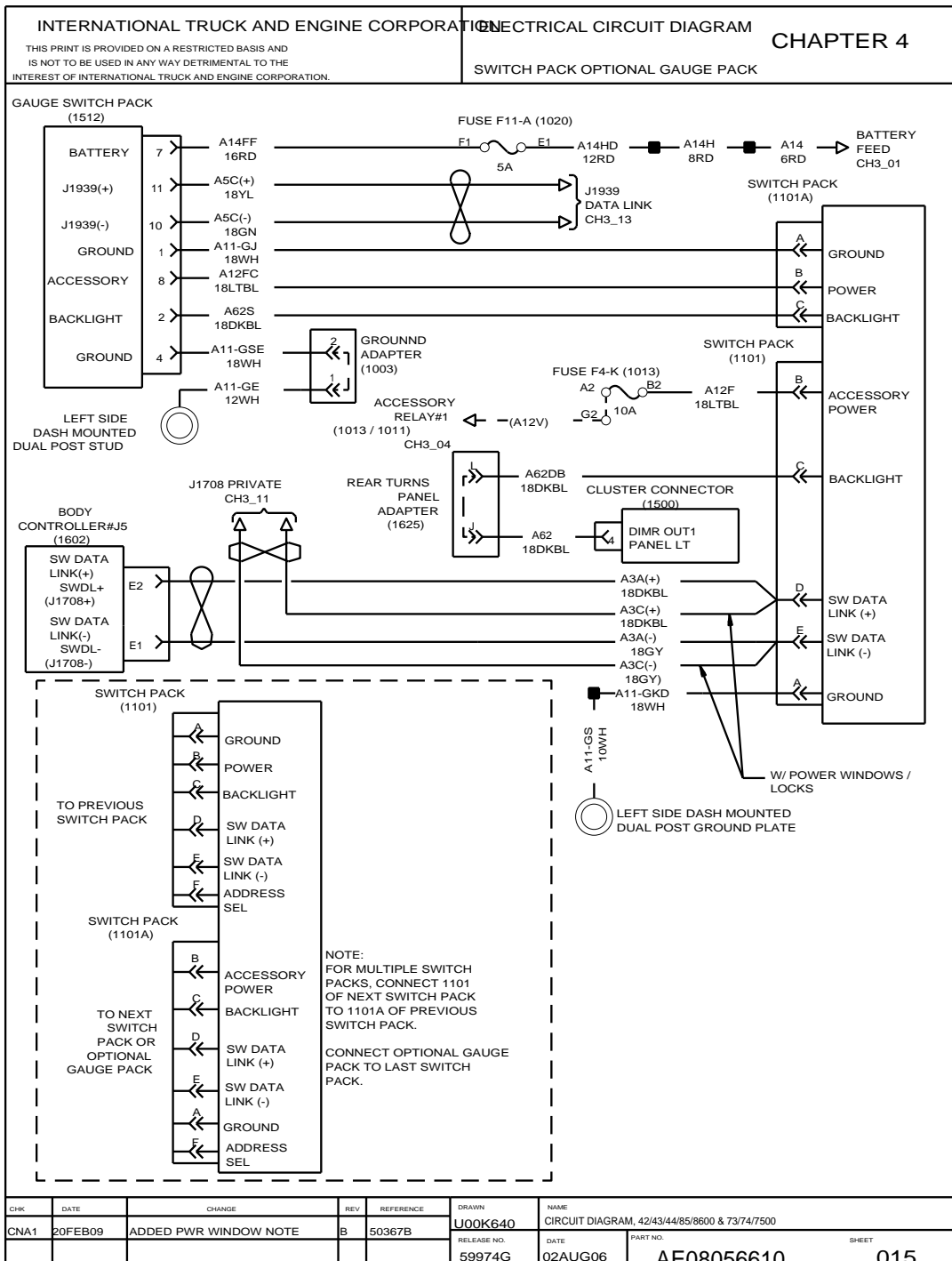
4.16. WINDSHIELD WIPER, P. 13



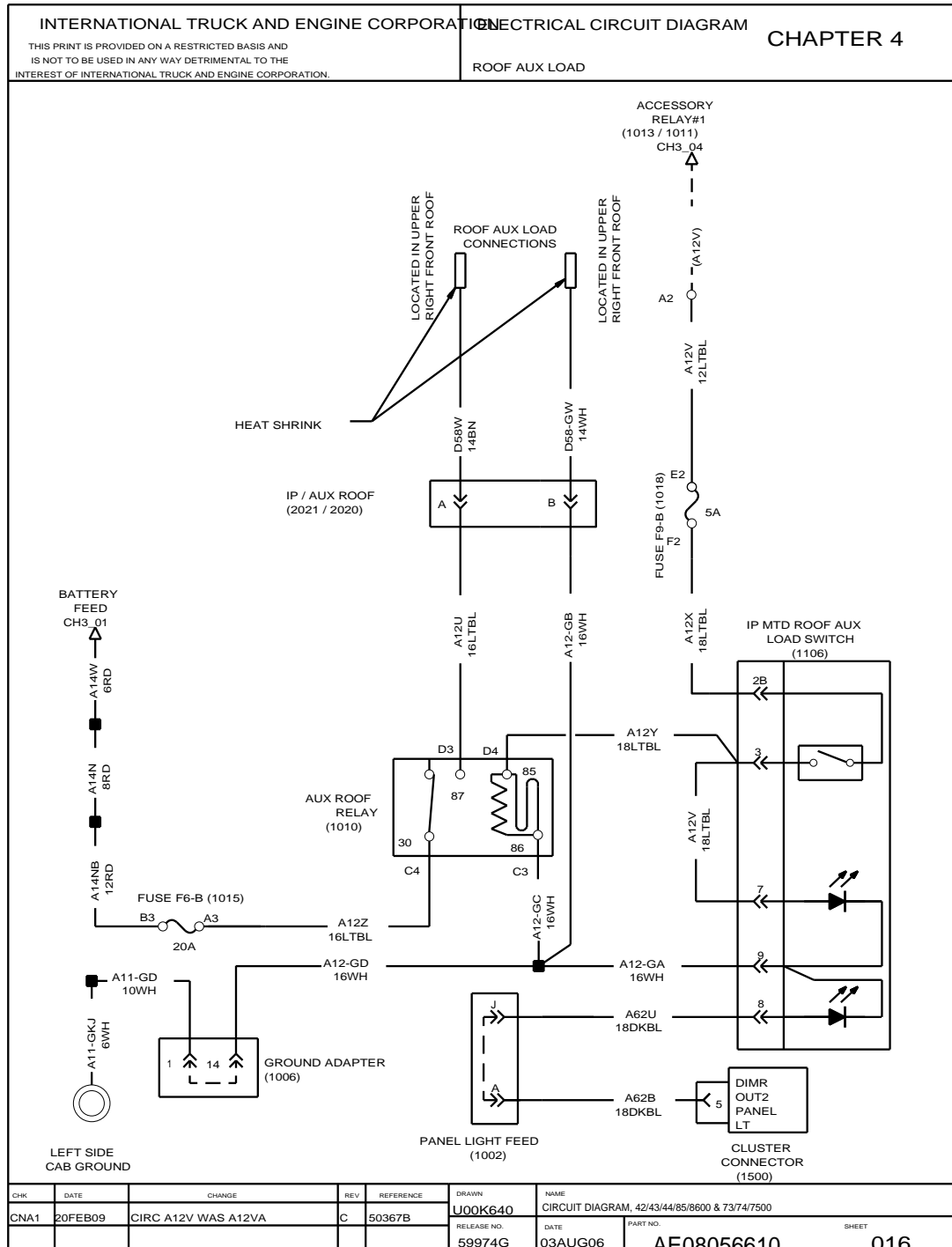
4.17. WASHER PUMP, P. 14



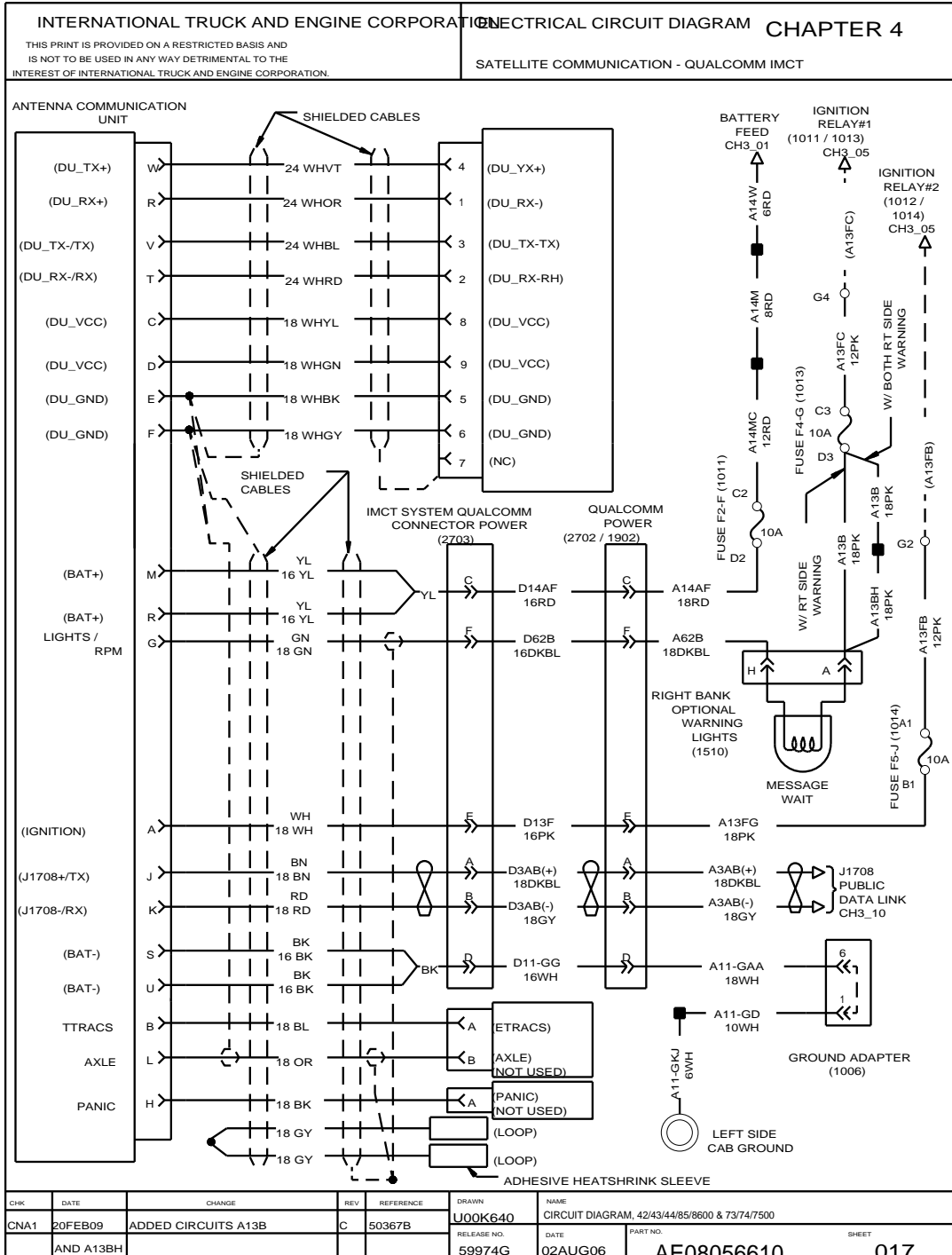
4.18. SWITCH PACK OPTIONAL GAUGE PACK, P. 15



4.19. ROOF AUXILIARY LOAD, P. 16

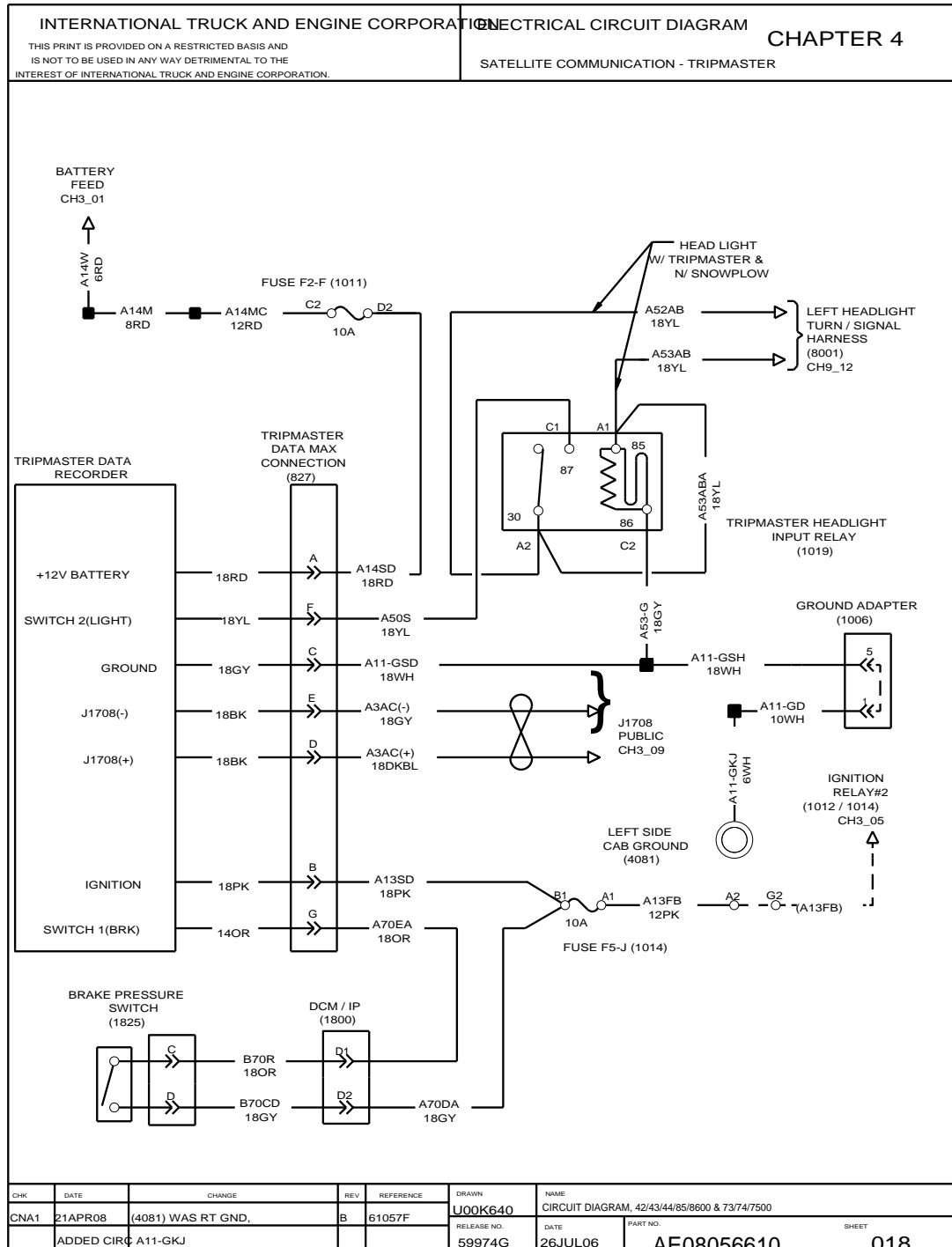


4.20. SATELLITE COMMUNICATION — QUALCOMM IMCT, P. 17

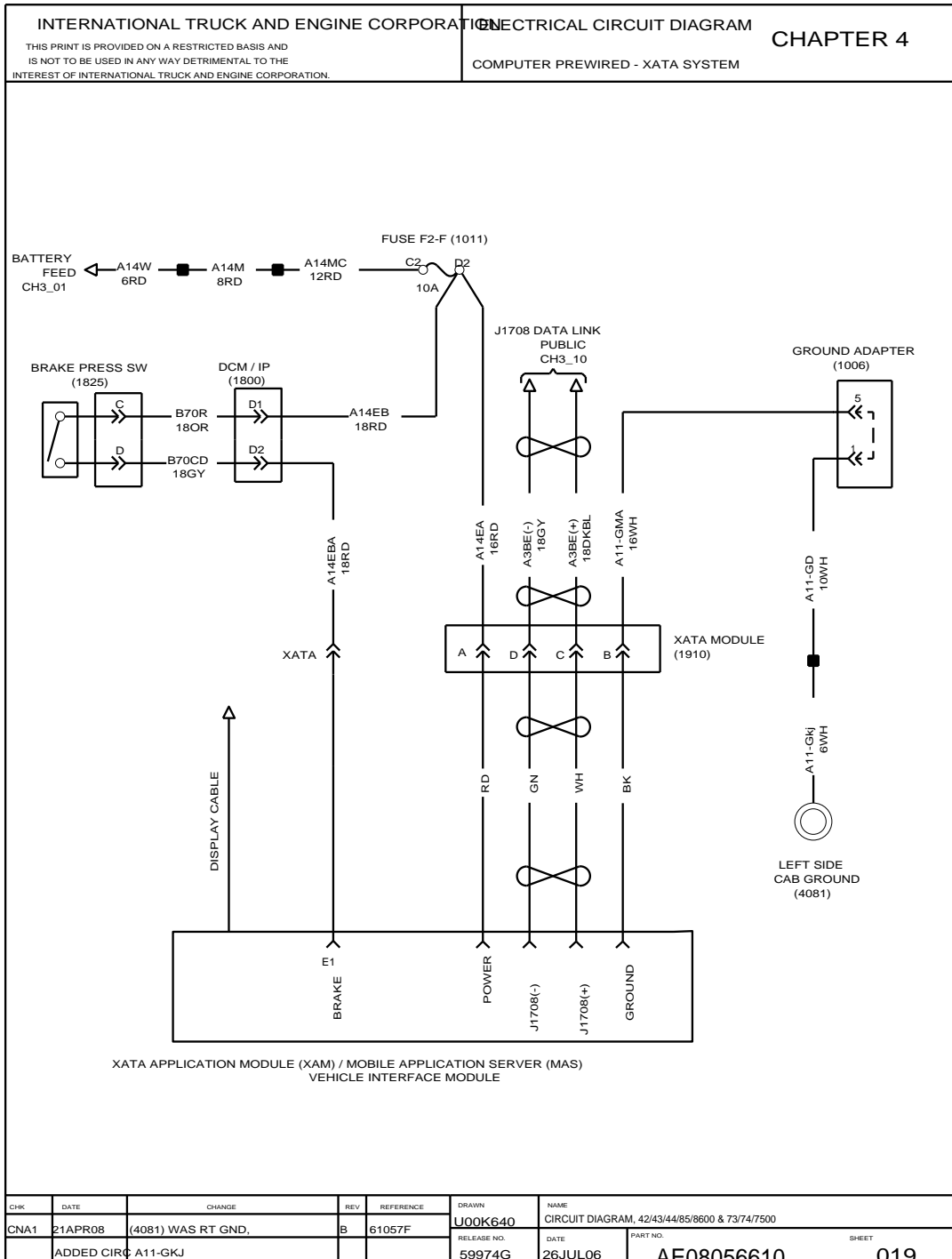




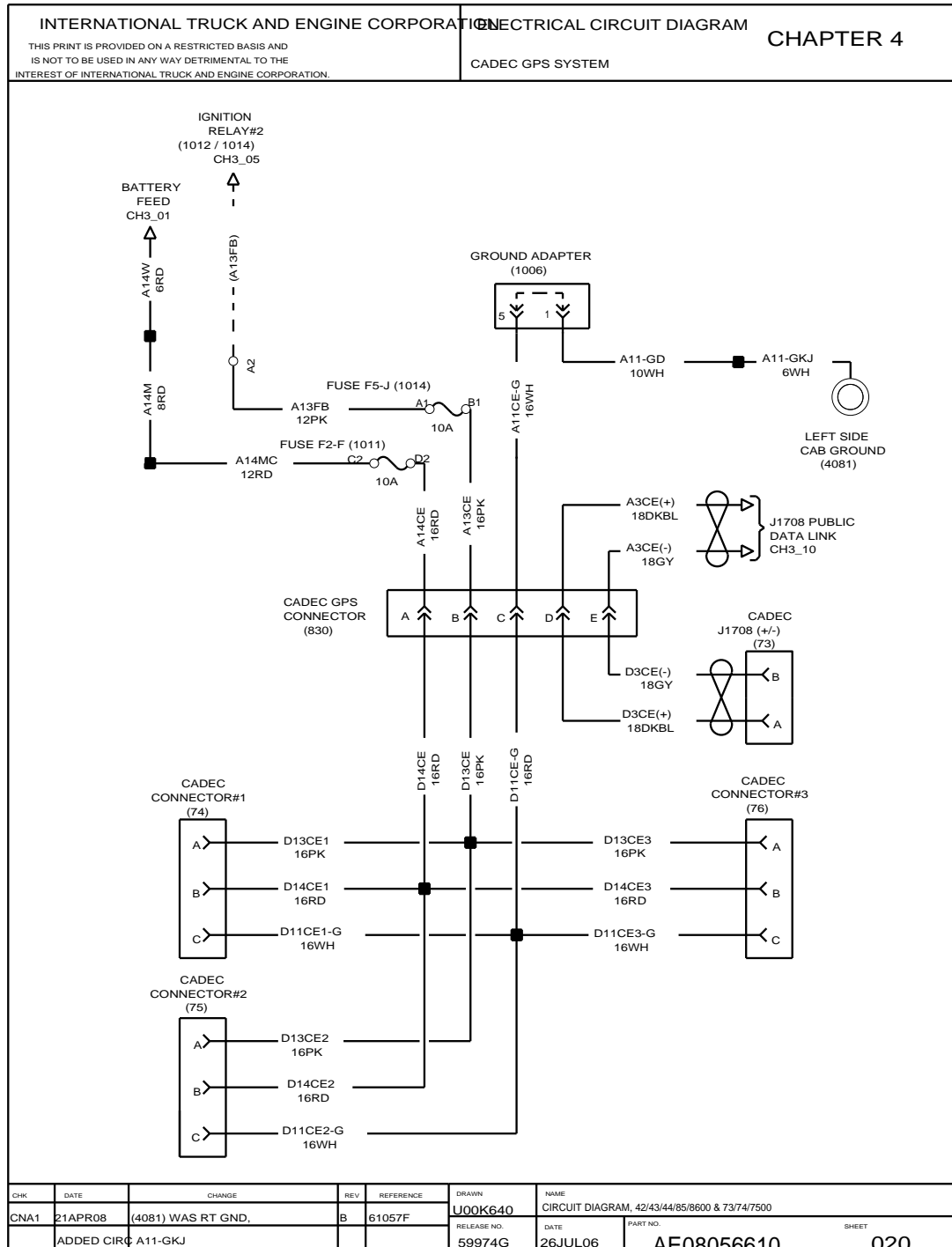
4.21. SATELLITE COMMUNICATION — TRIPMASTER, P. 18



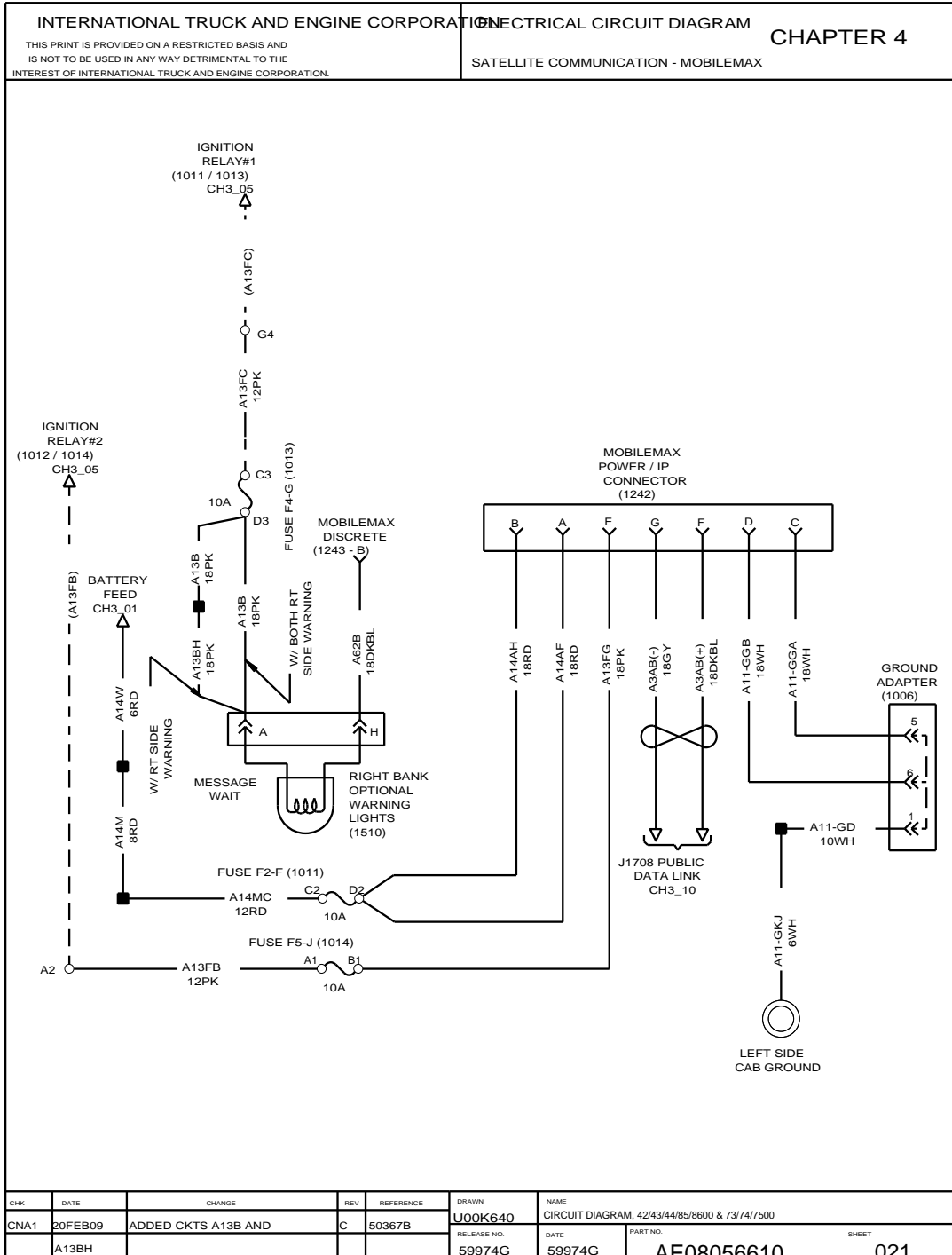
4.22. COMPUTER PREWIRED — XATA SYSTEM, P. 19



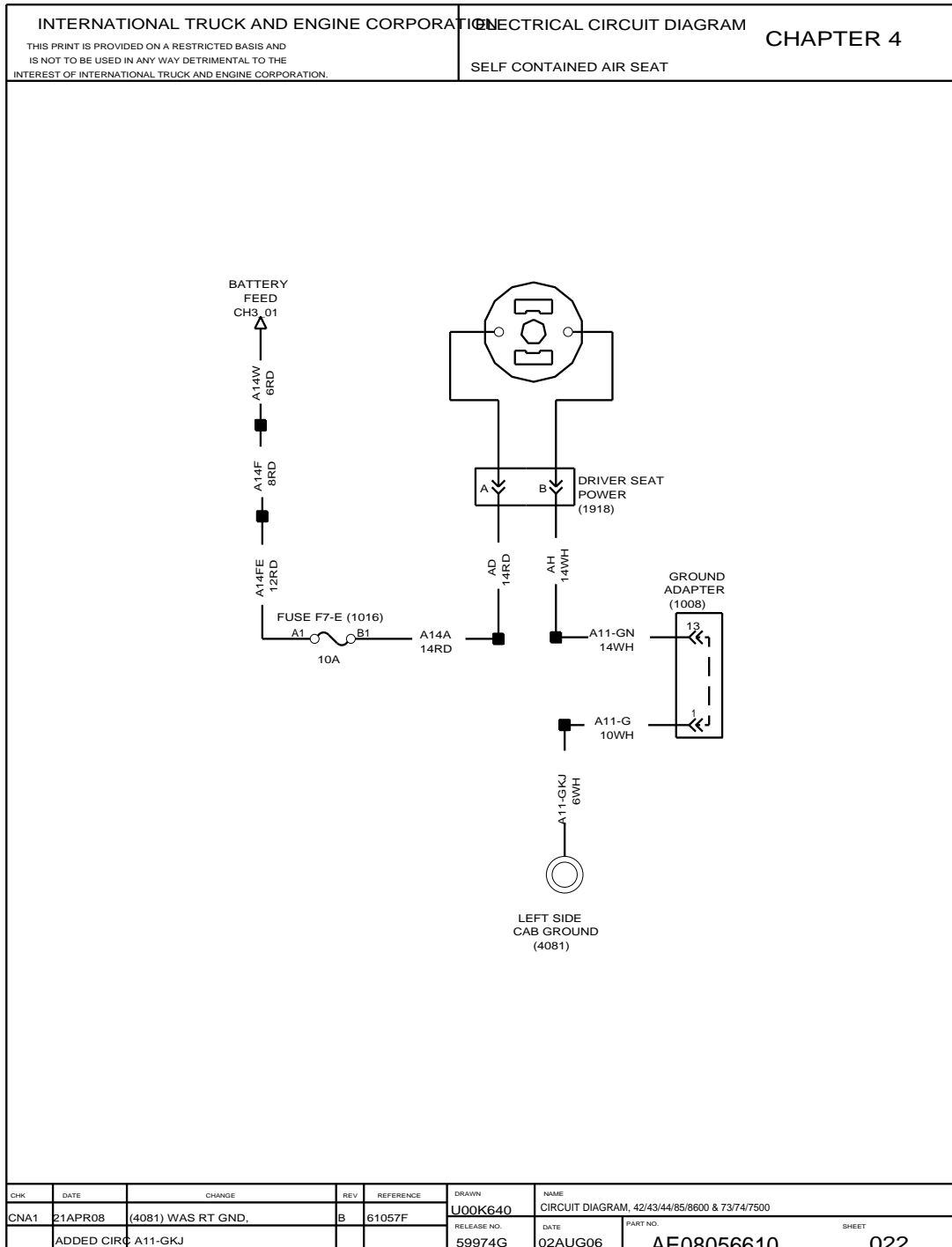
4.23. CADEC GPS SYSTEM, P. 20



4.24. SATELLITE COMMUNICATION — MOBILEMAX, P. 21

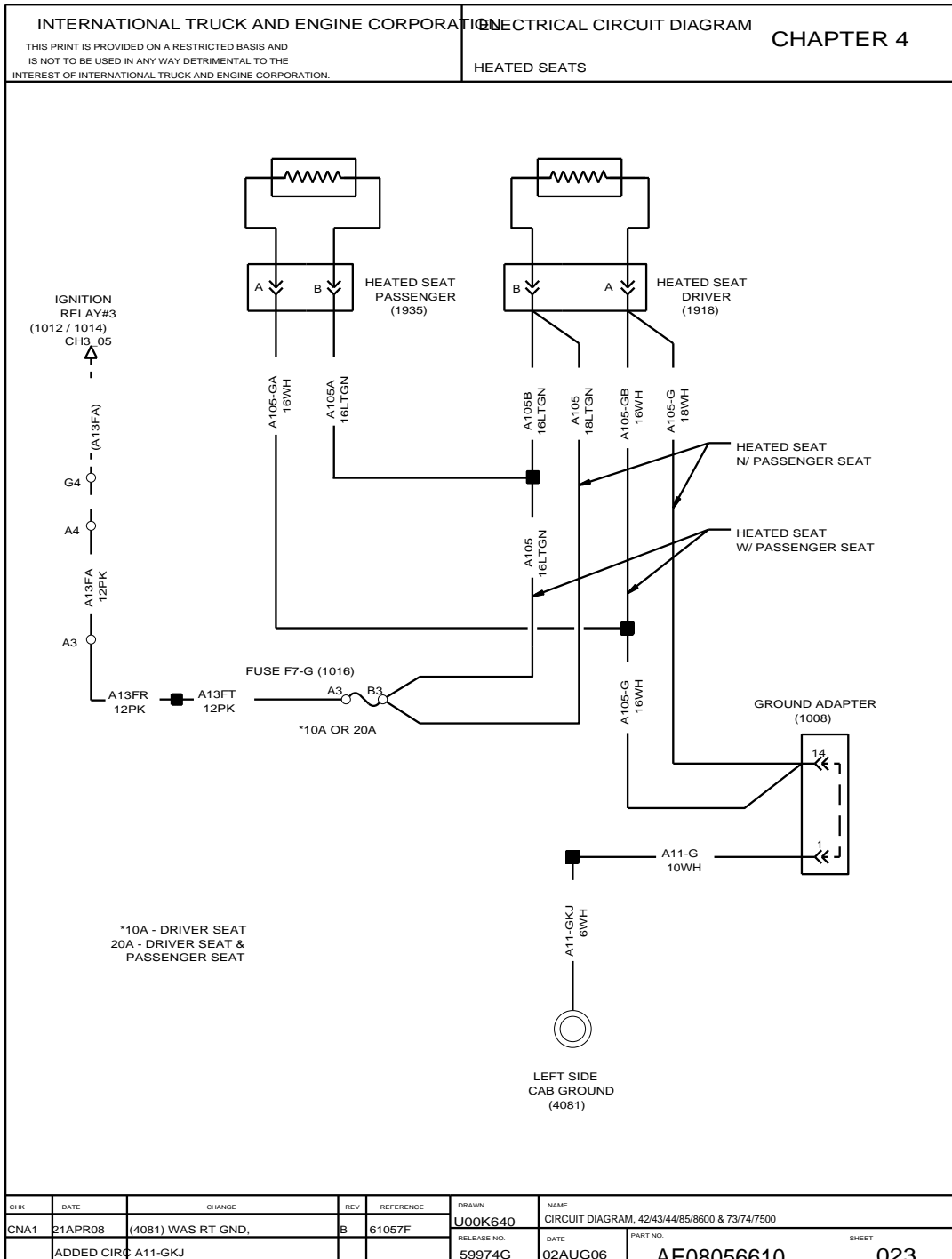


4.25. SELF CONTAINED AIR SEAT, P. 22

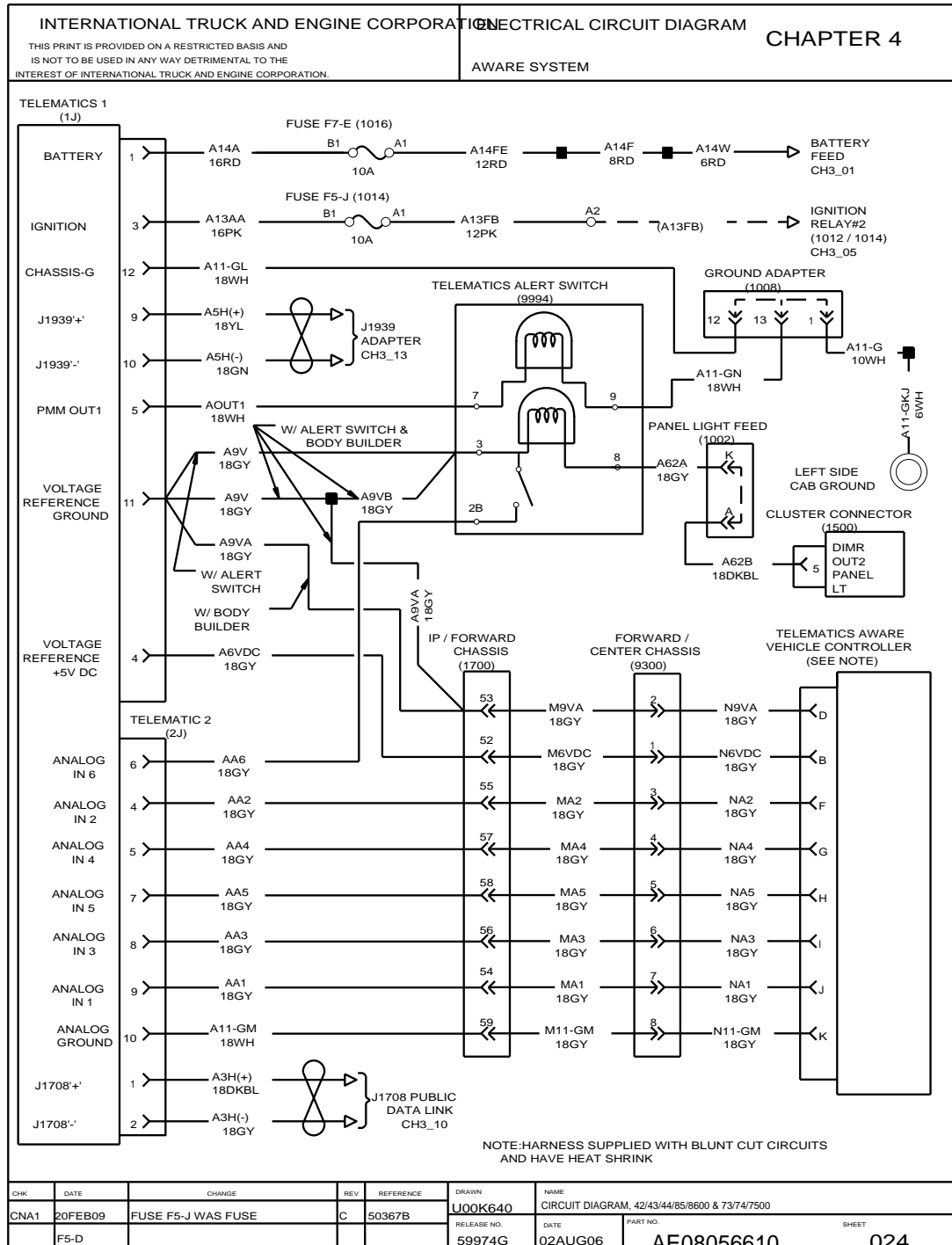


CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	21APR08	(4081) WAS RT GND.	B	61057F	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
		ADDED CIR A11-GKJ			59974G	DATE: 02AUG06 PART NO: AE08056610 SHEET: 022

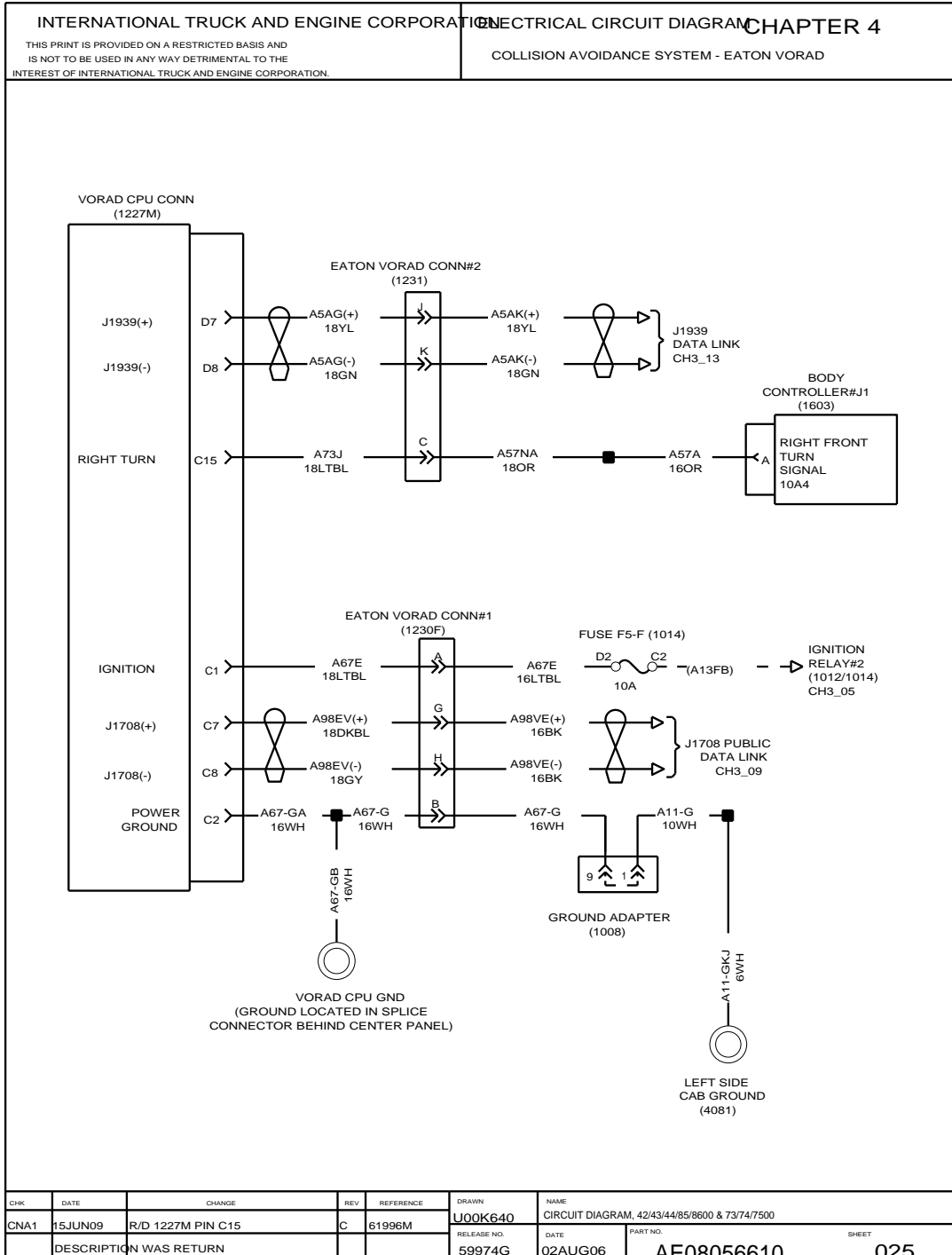
4.26. HEATED SEATS, P. 23



4.27. AWARE SYSTEM, P. 24

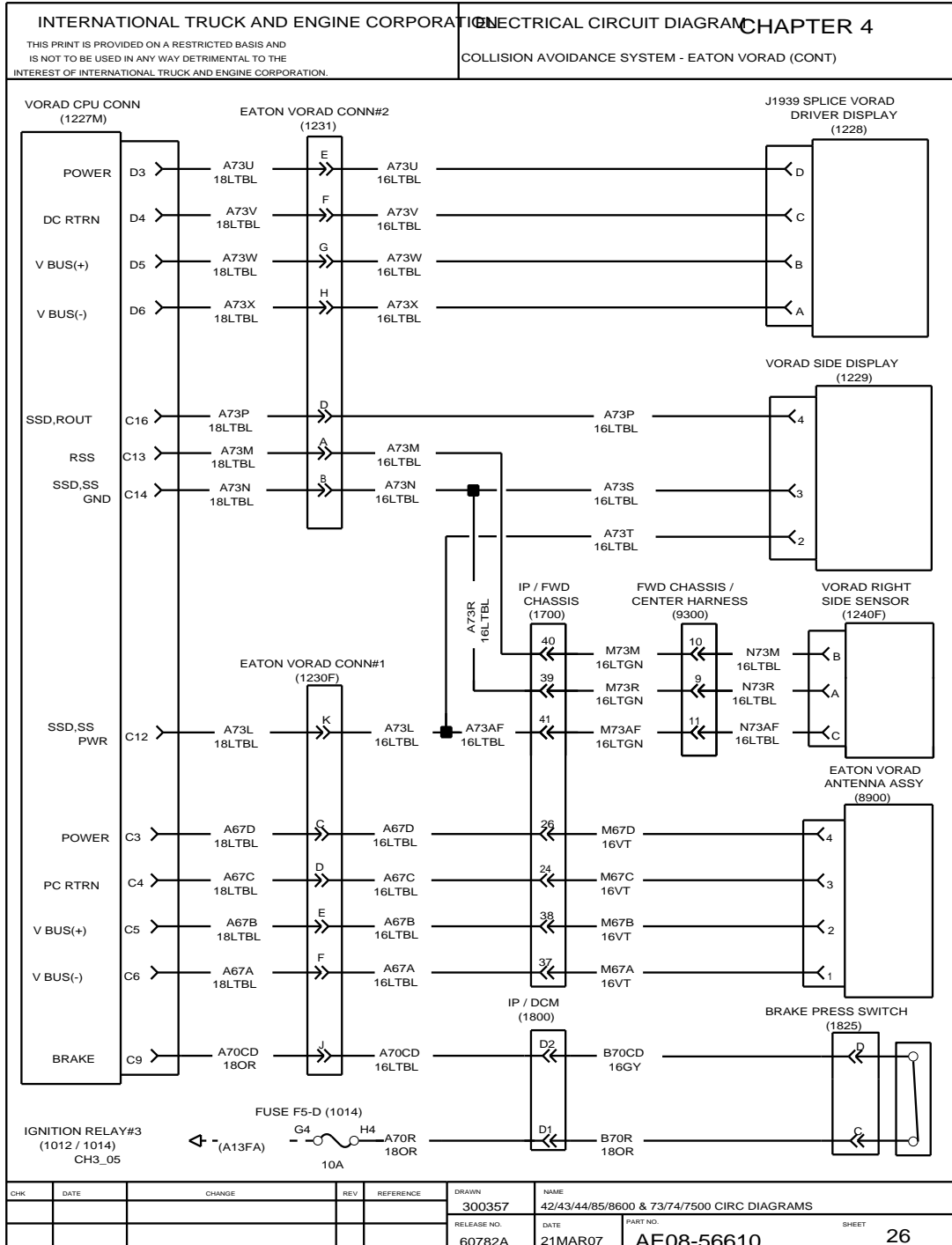


4.28. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 25

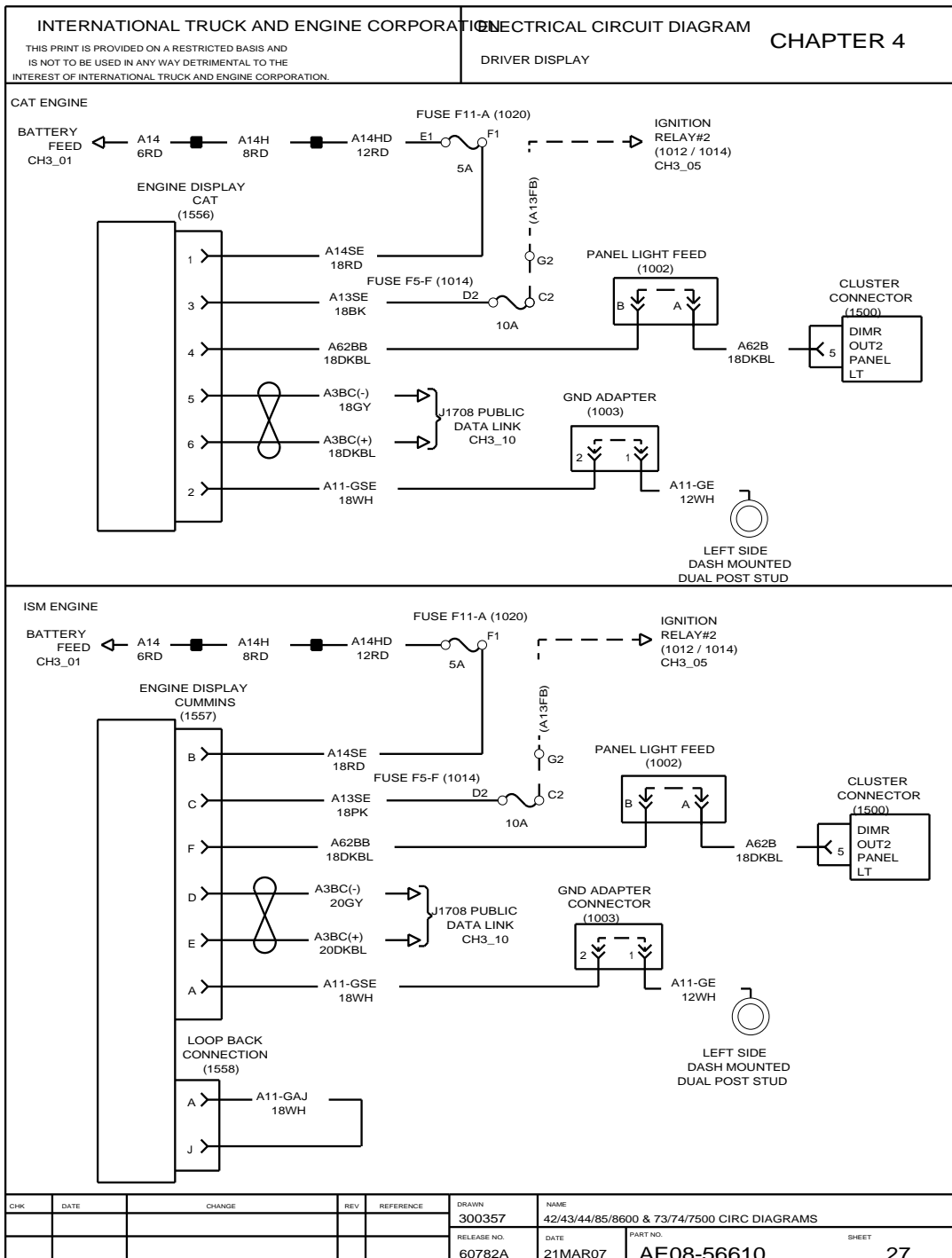




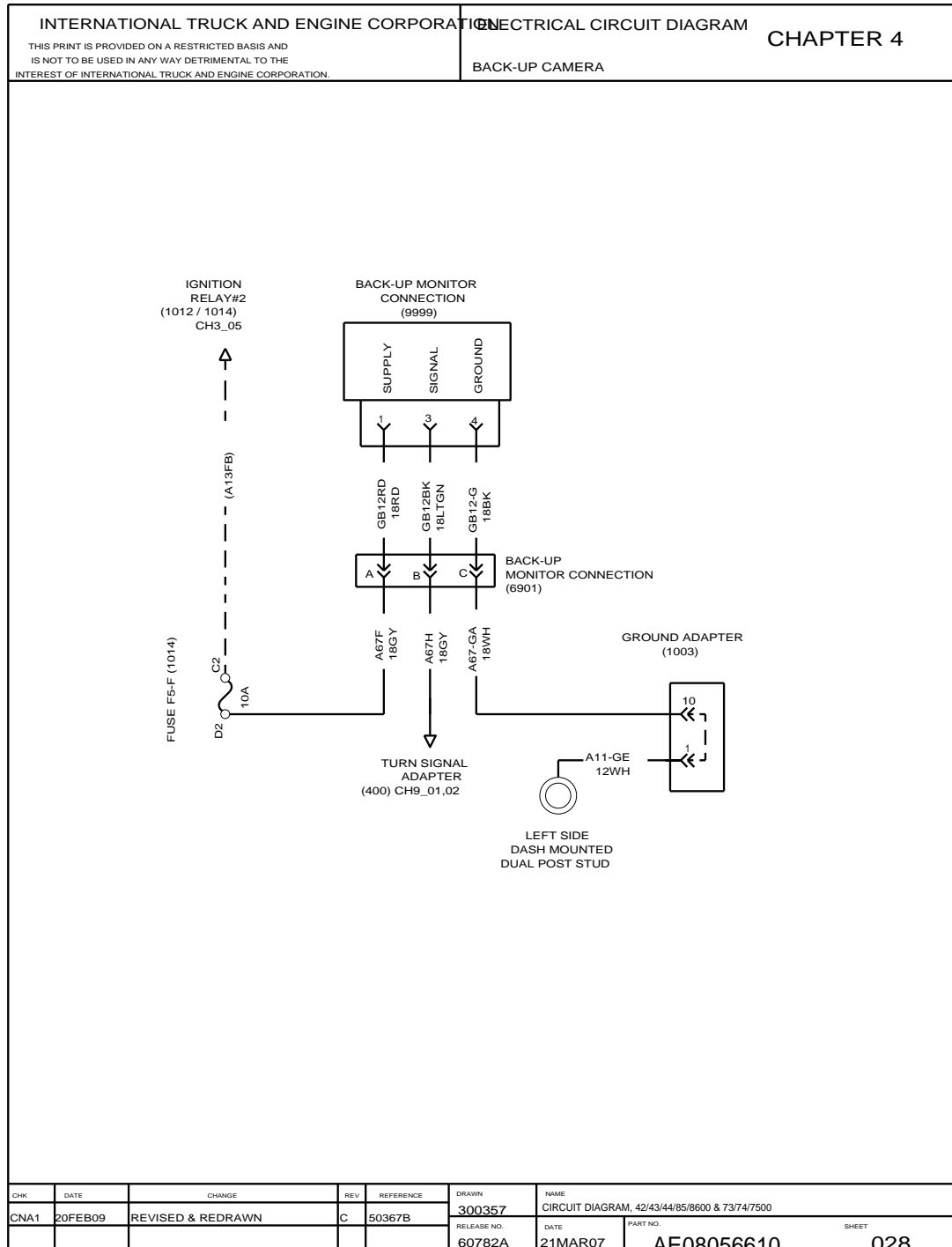
4.29. EATON VORAD COLLISION AVOIDANCE SYSTEM, P. 26



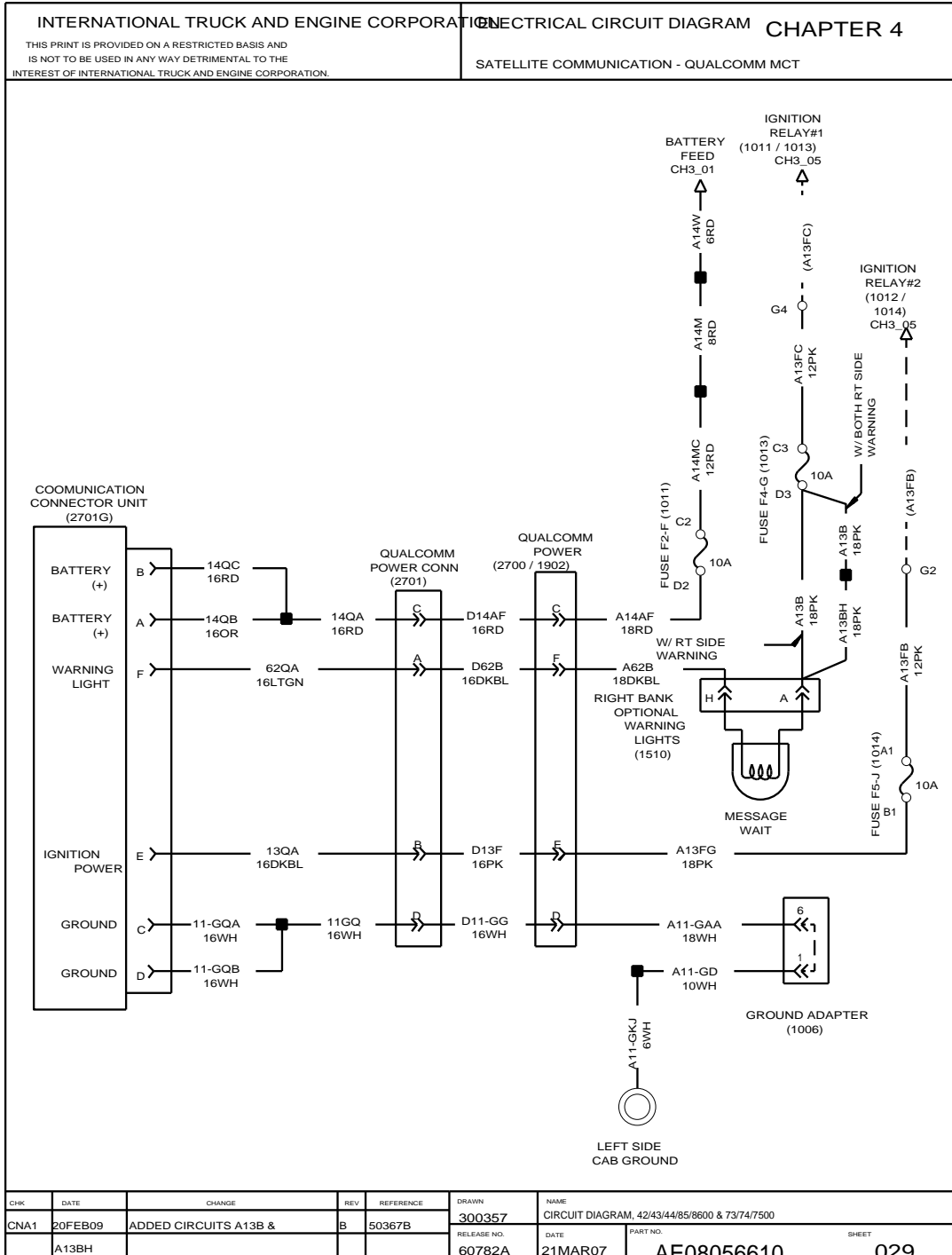
4.30. DRIVER DISPLAY, P. 27



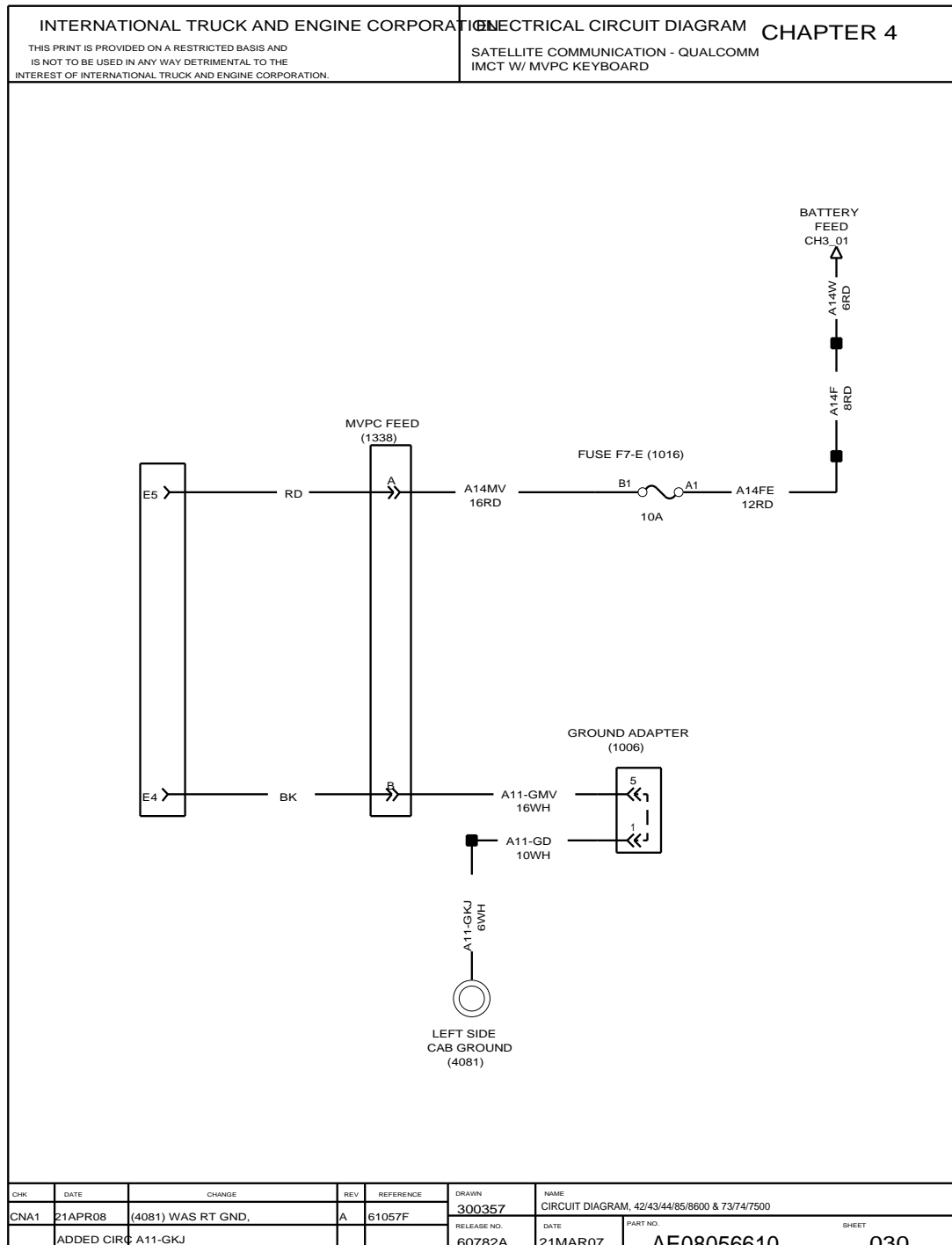
4.31. BACK-UP CAMERA, P. 28



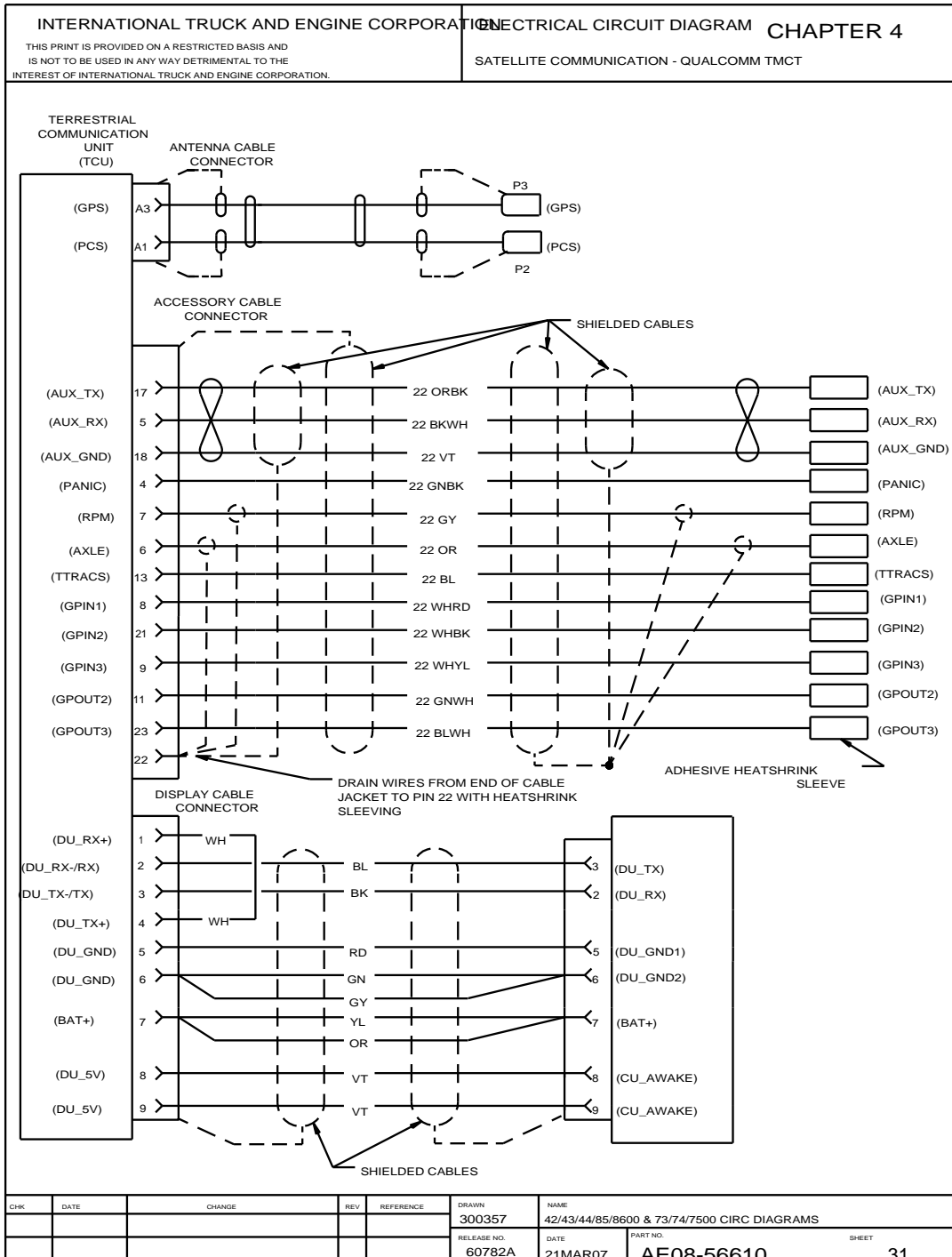
4.32. SATELLITE COMMUNICATION — QUALCOMM MCT, P. 29



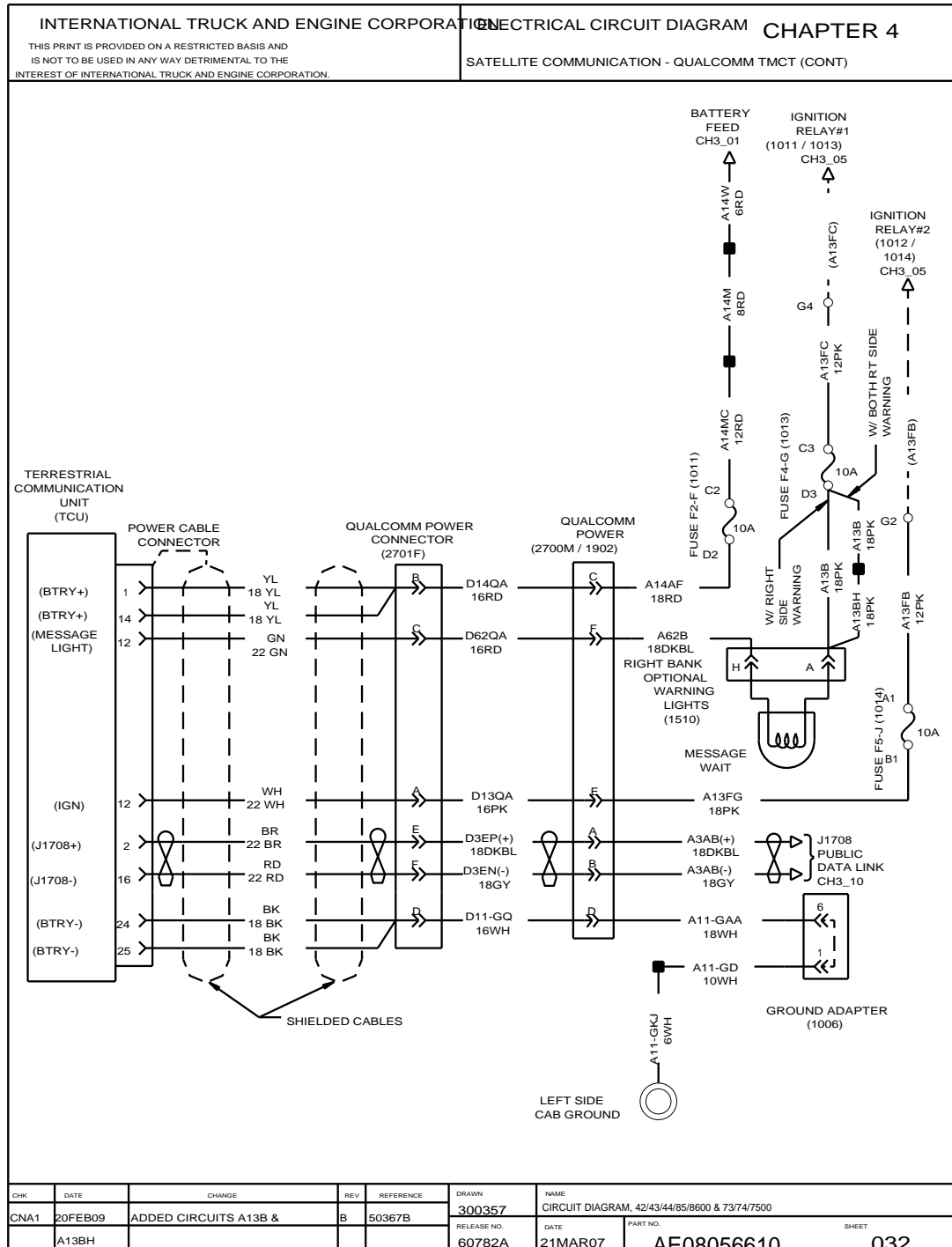
4.33. SATELLITE COMMUNICATION — QUALCOMM MCT WITH MVPC KEYBOARD,  
 P. 30



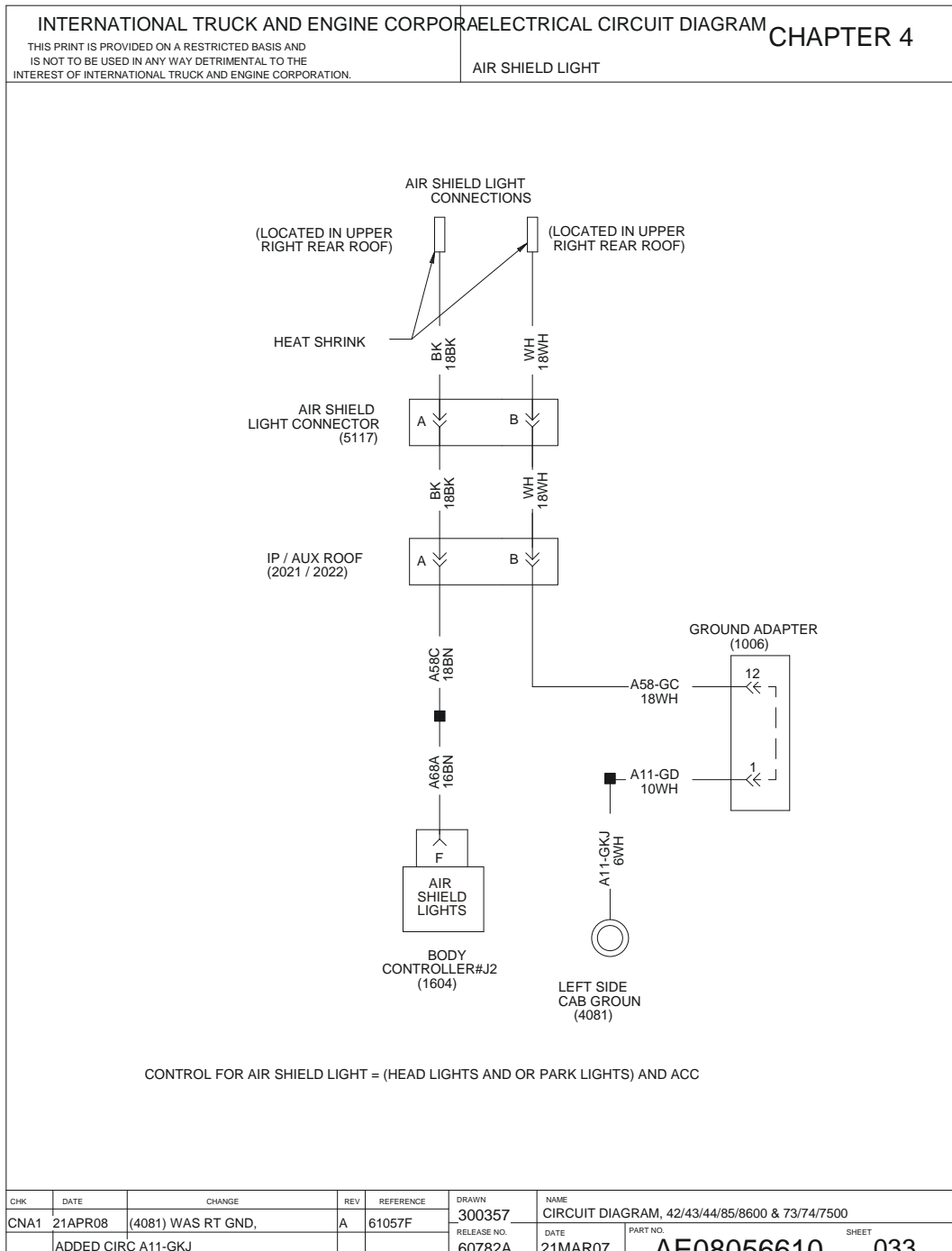
4.34. SATELLITE COMMUNICATION — QUALCOMM TMCT, P. 31



4.35. SATELLITE COMMUNICATION — QUALCOMM TMCT, P. 32

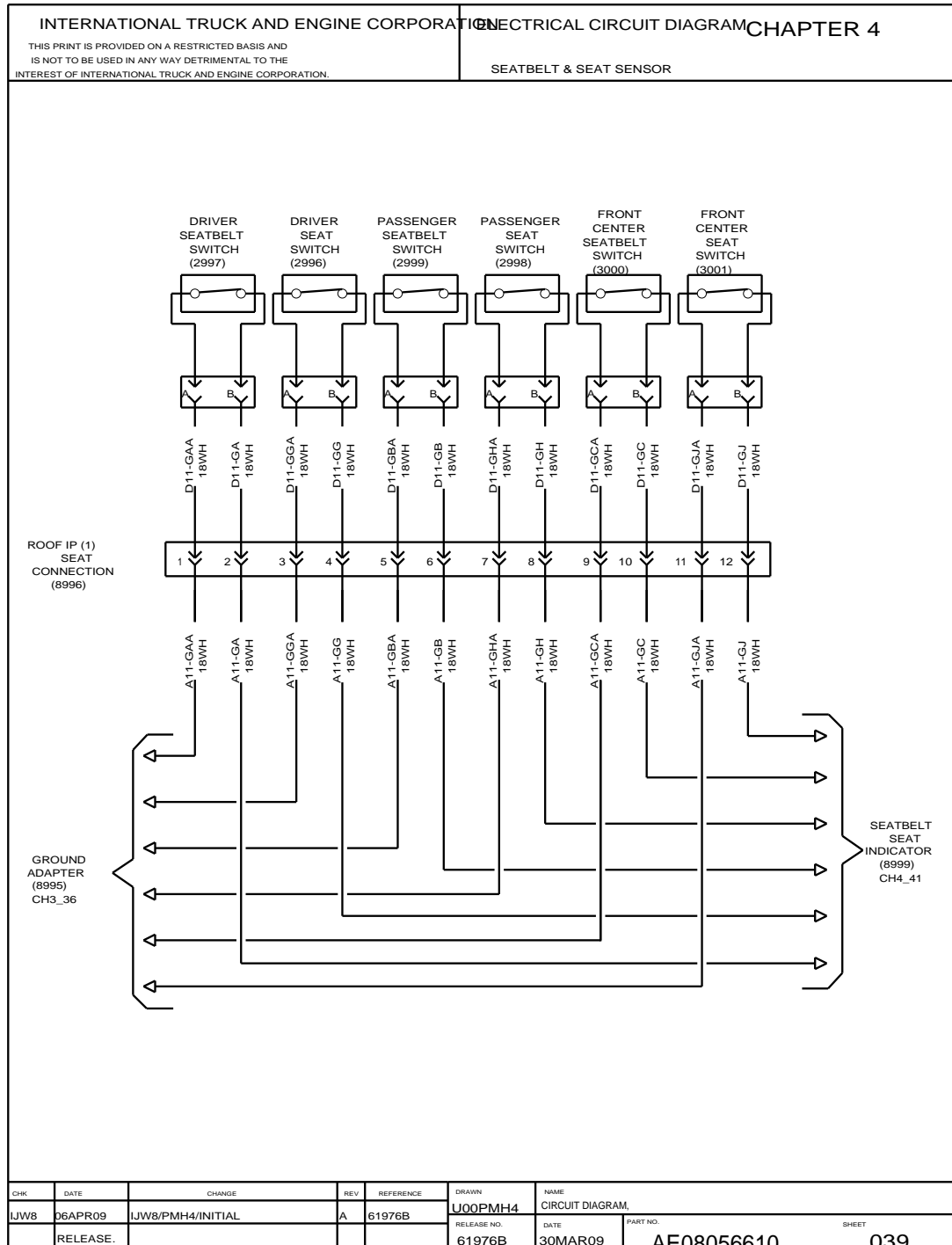


4.36. AIR SHIELD LIGHT, P. 33

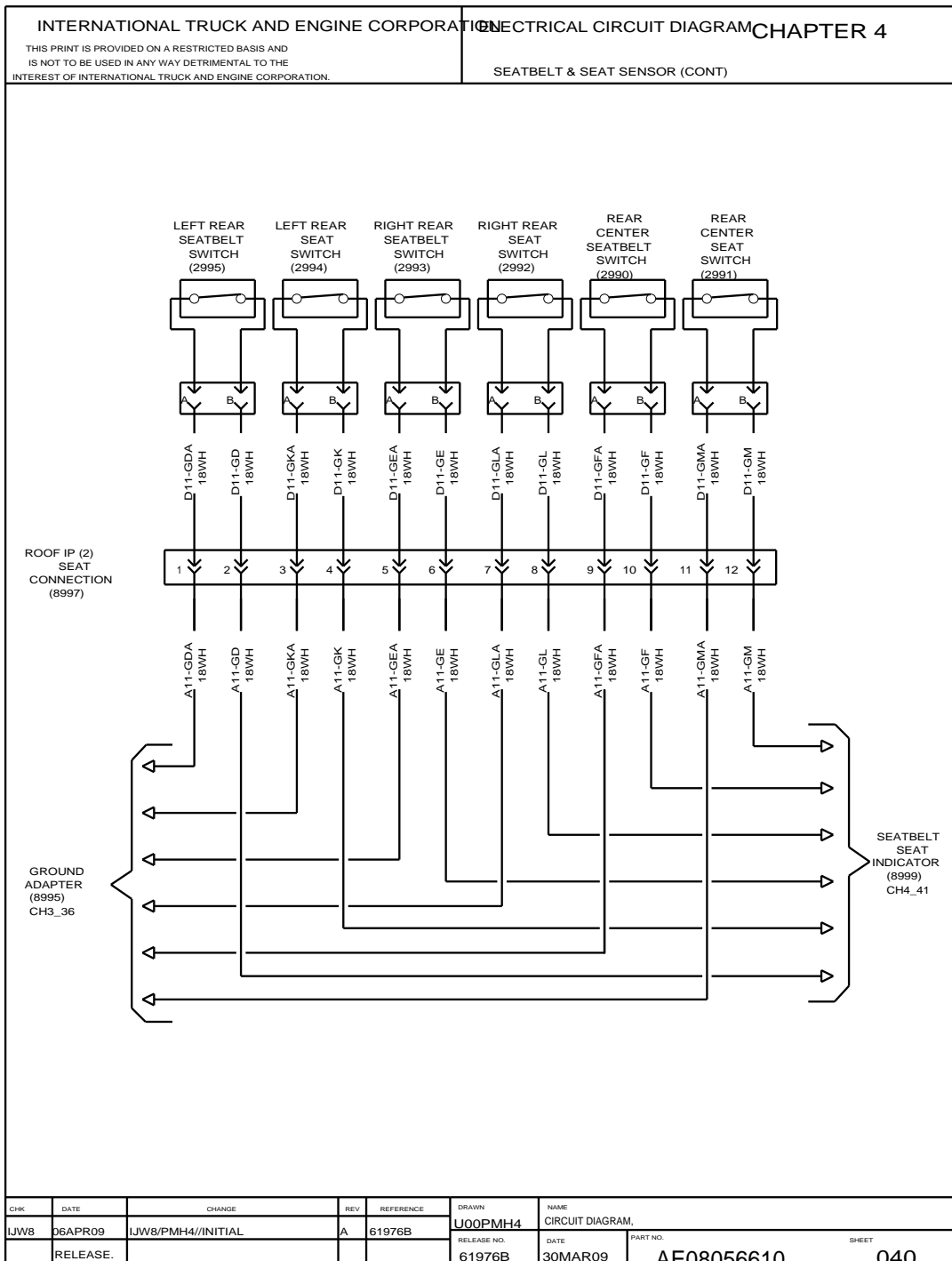




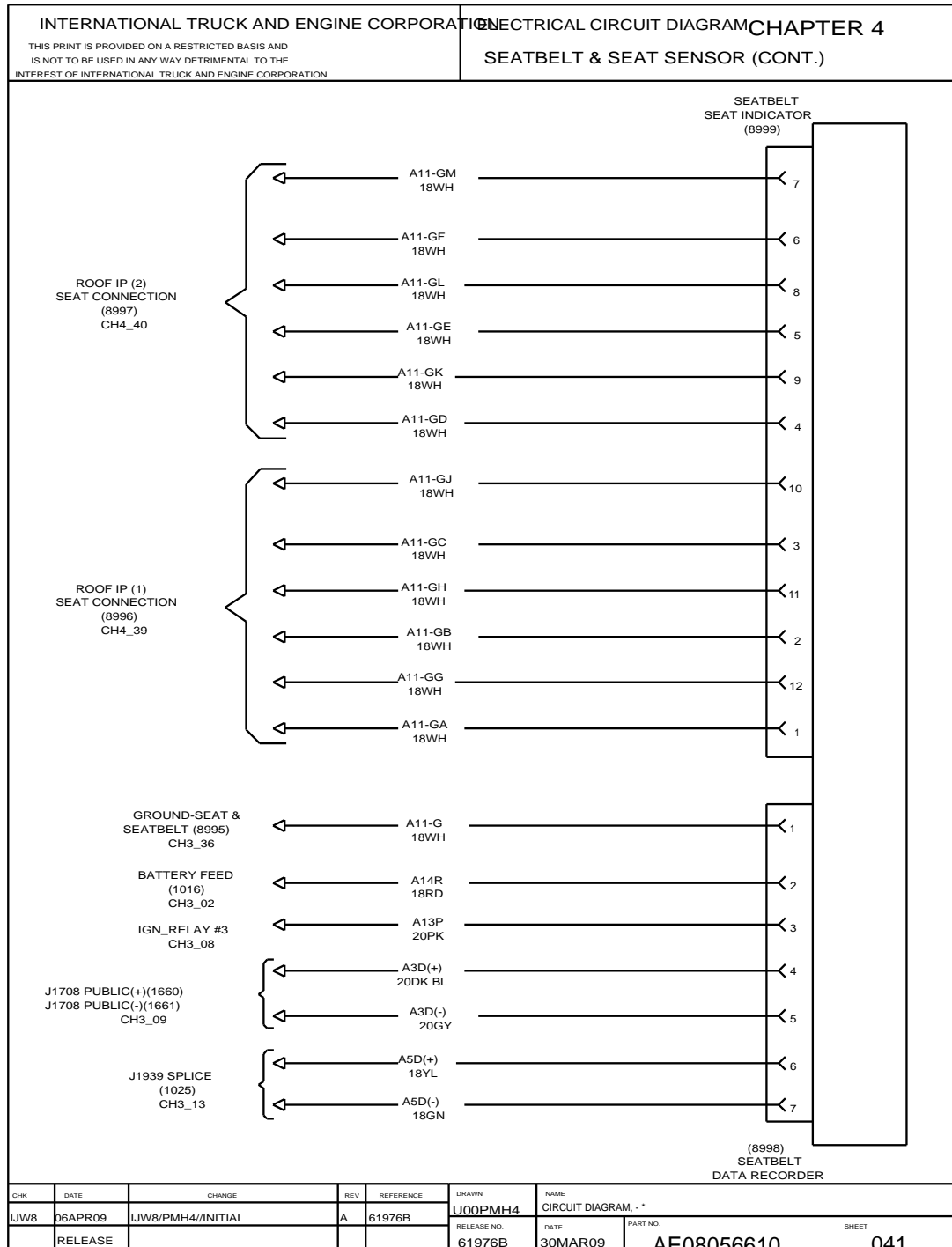
4.37. SEATBELT AND SEAT SENSOR, P. 39



4.38. SEATBELT AND SEAT SENSOR, P. 40

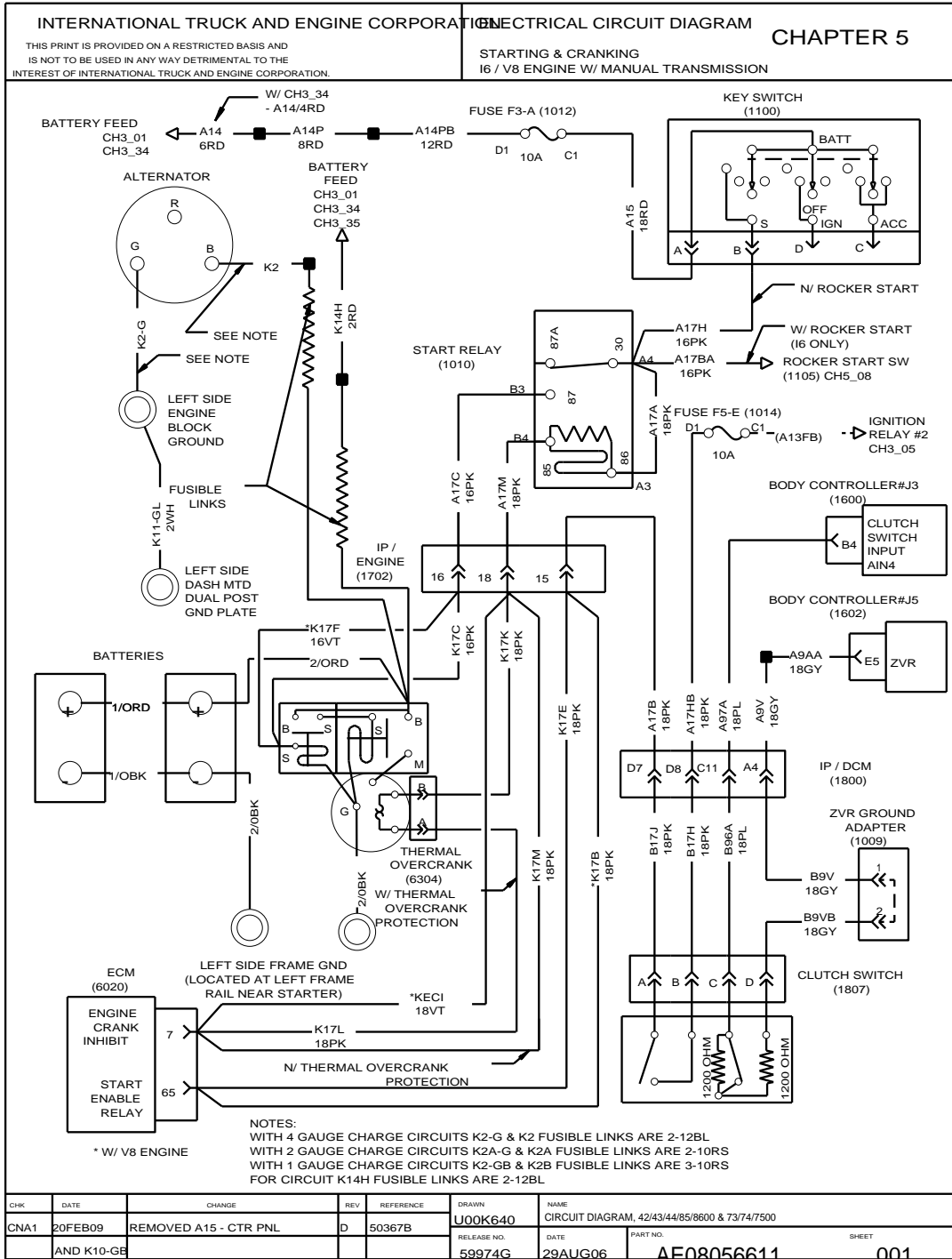


4.39. SEATBELT AND SEAT SENSOR, P. 41

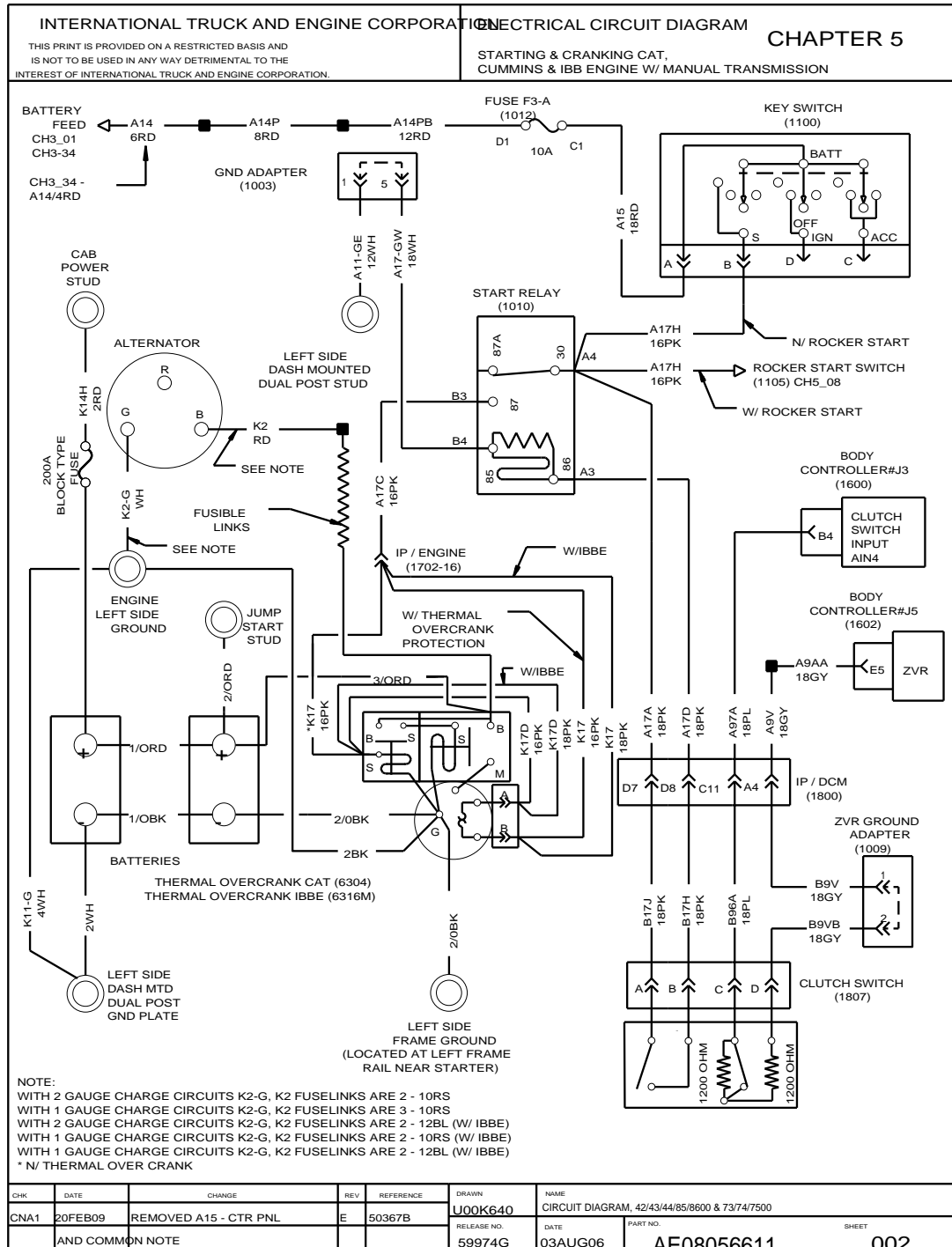


## 5. 12V CHARGING + CRANKING SYSTEM (CHAPTER 5)

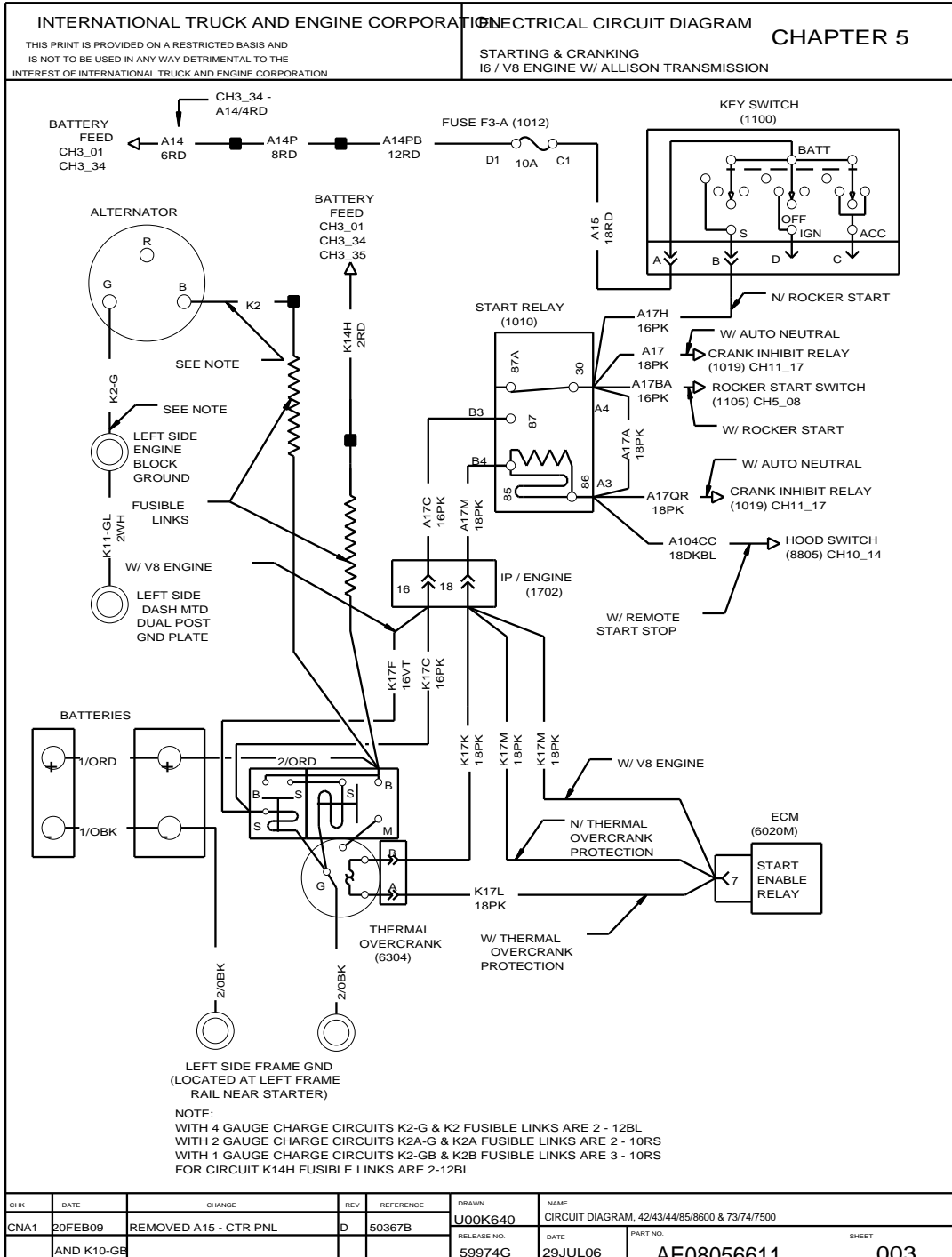
### 5.1. I6 / V8 ENGINES WITH MANUAL TRANSMISSION, P. 1



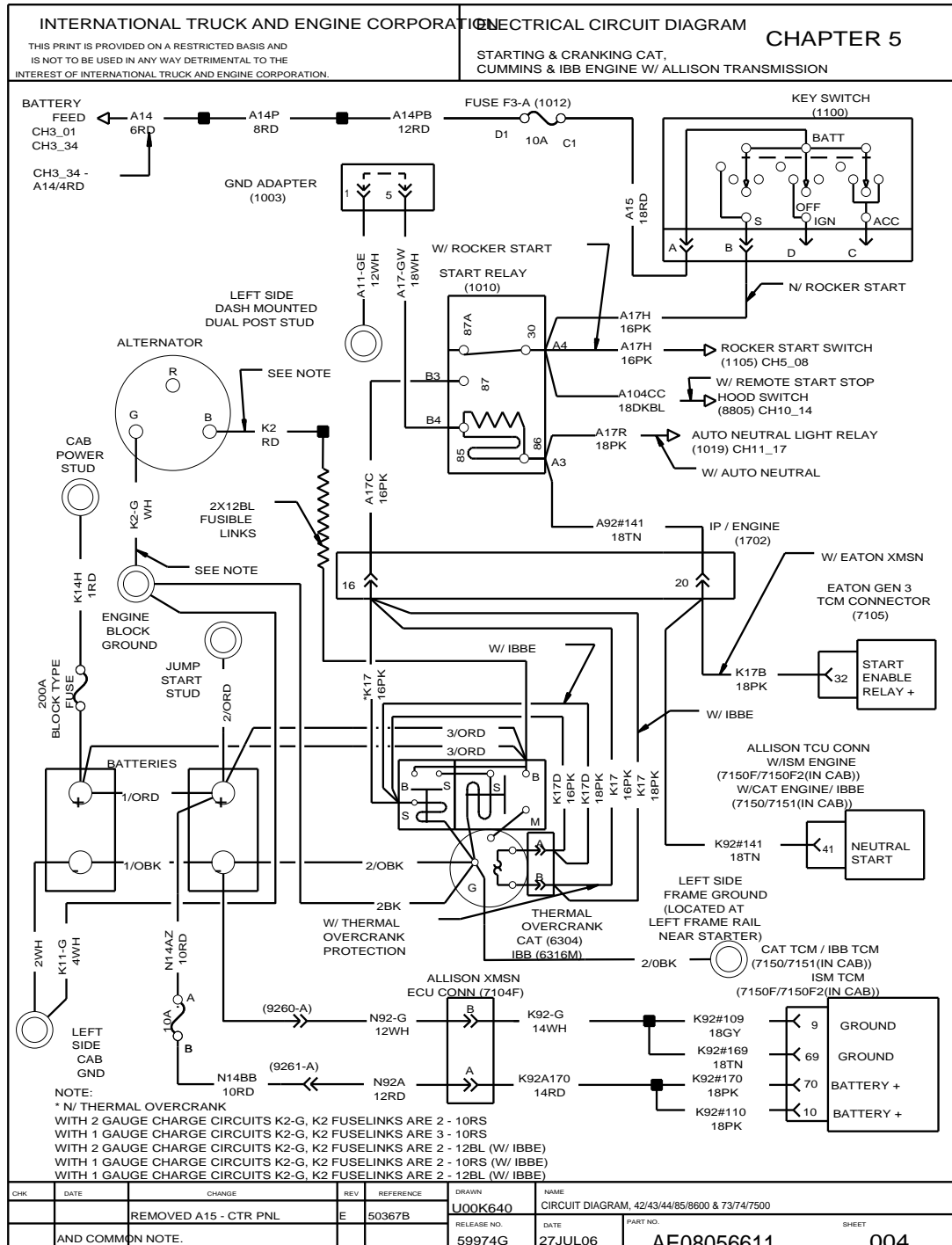
5.2. CAT, CUMMINS AND IBB ENGINES WITH MANUAL TRANSMISSION, P. 2



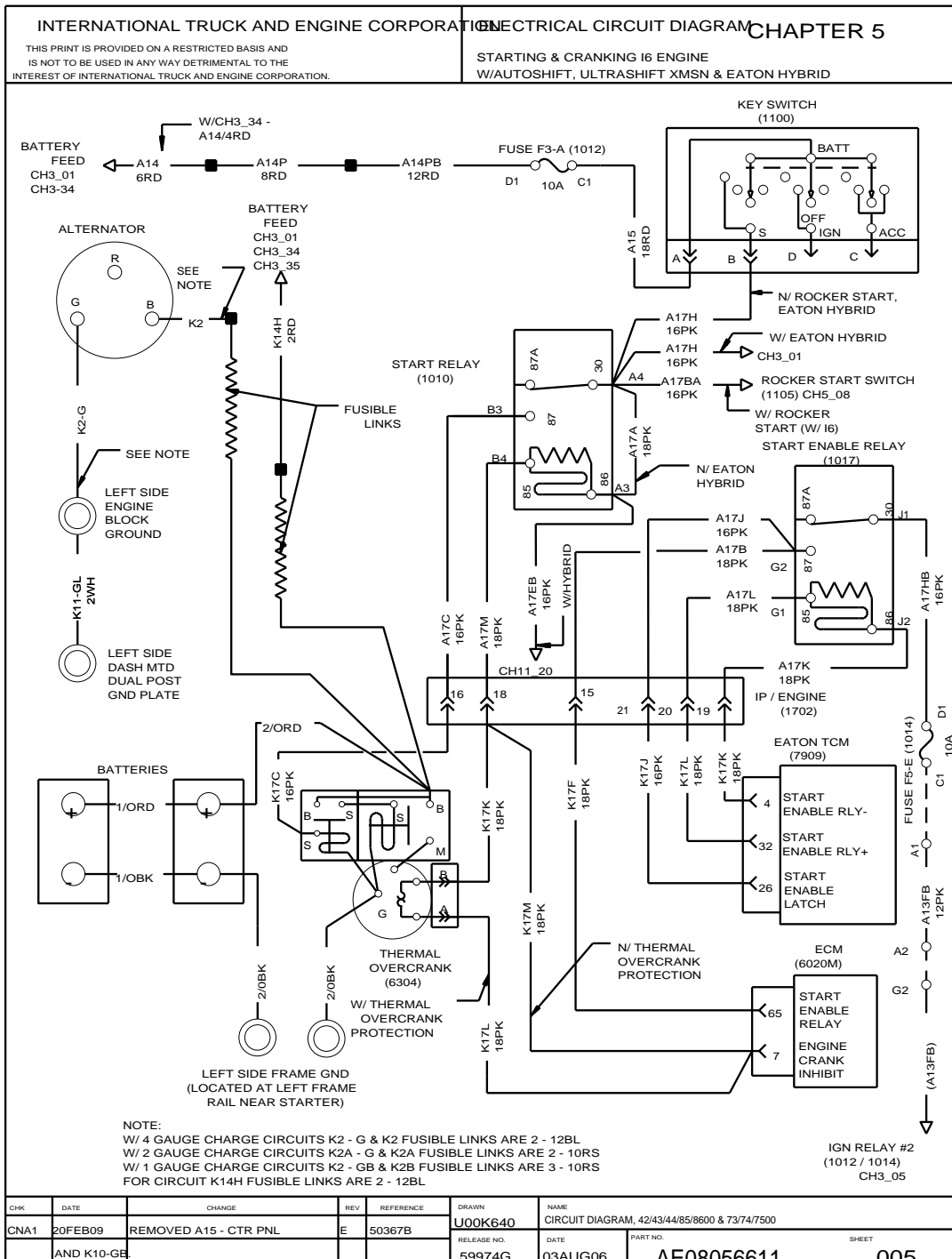
5.3. 16 / V8 ENGINES WITH ALLISON TRANSMISSION, P. 3



5.4. CAT, CUMMINS AND IBB ENGINES WITH ALLISON TRANSMISSION, P. 4

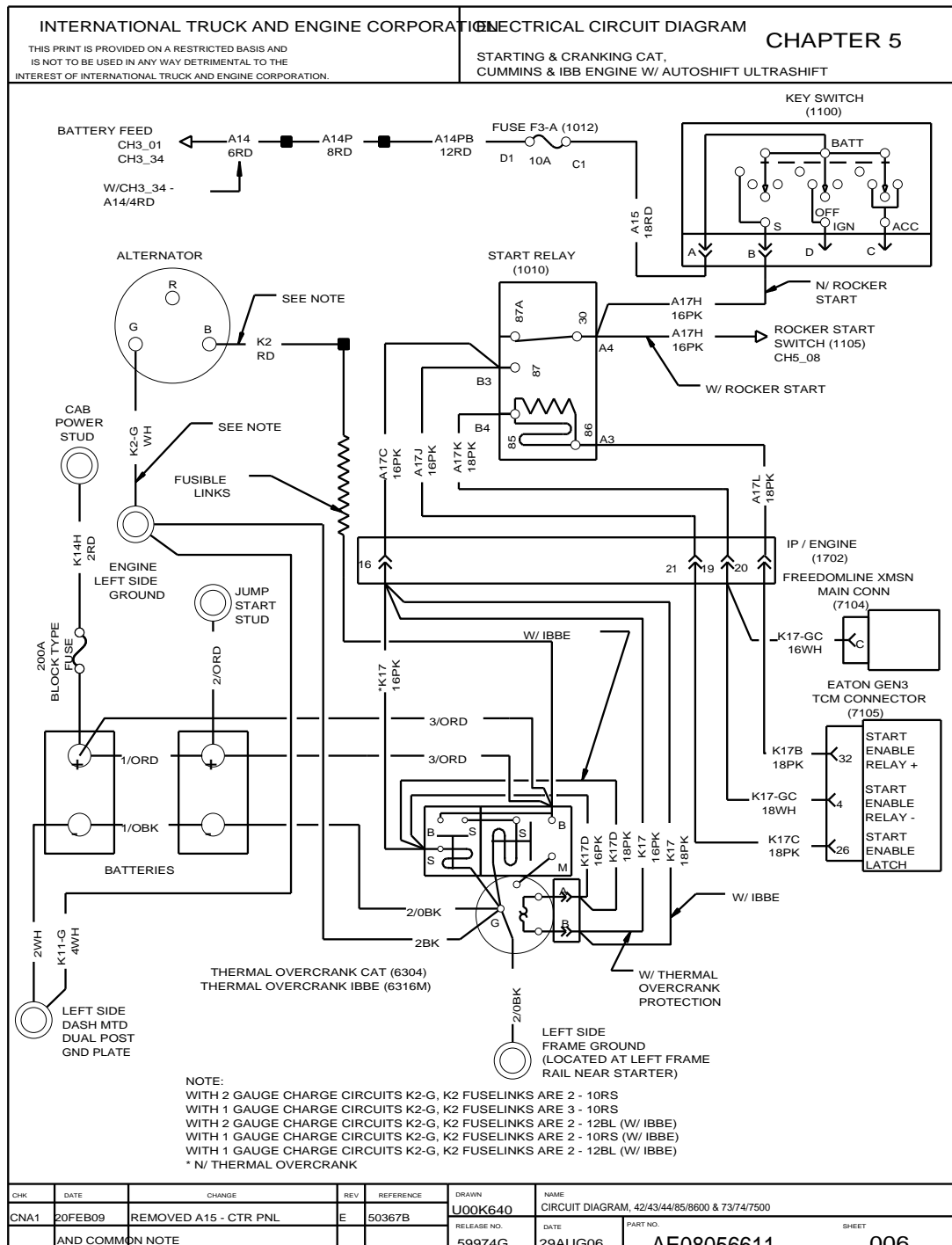


5.5. 16 ENGINE WITH AUTOSHIFT, ULTRASHIFT AND EATON HYBRID TRANSMISSION,  
 P. 5

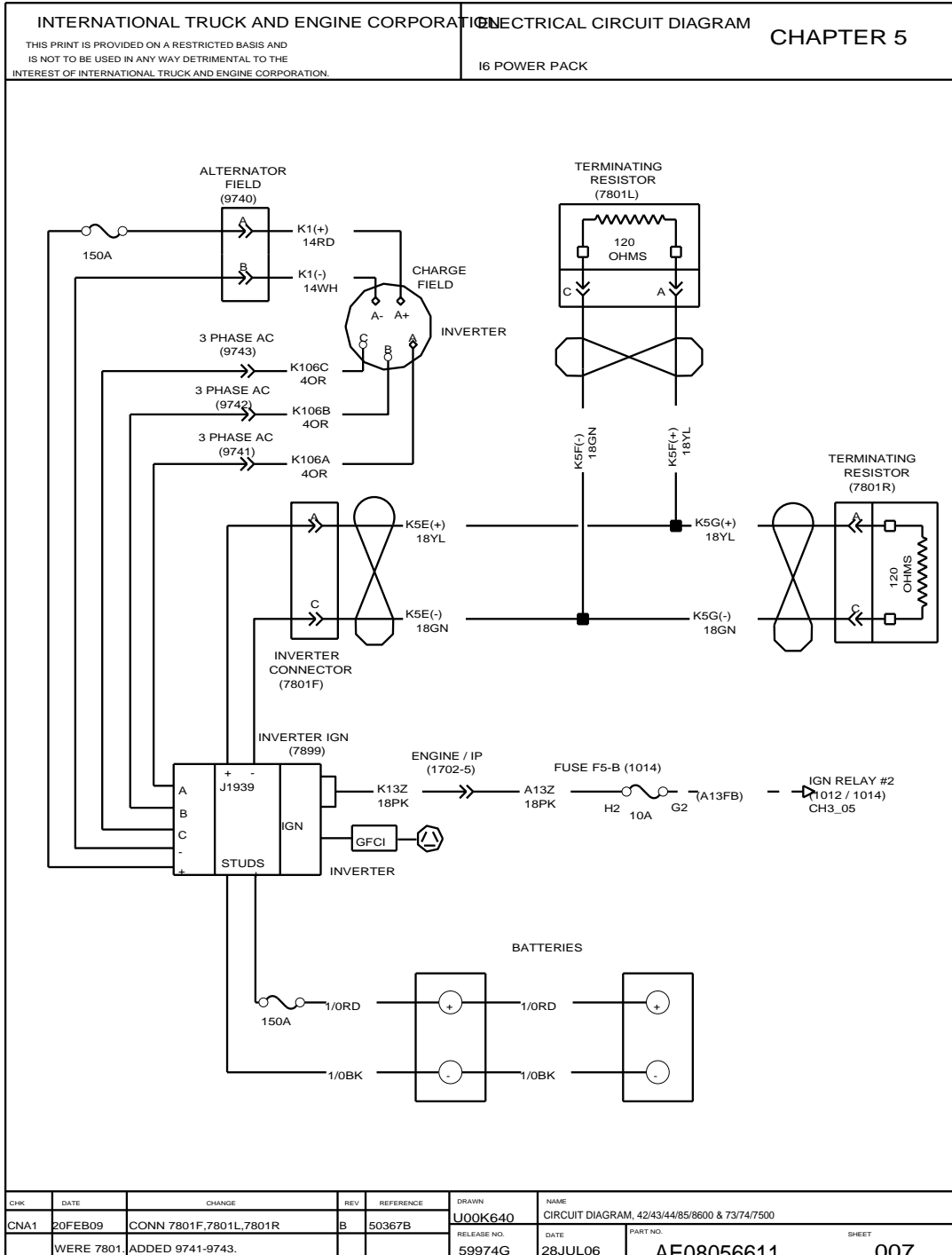




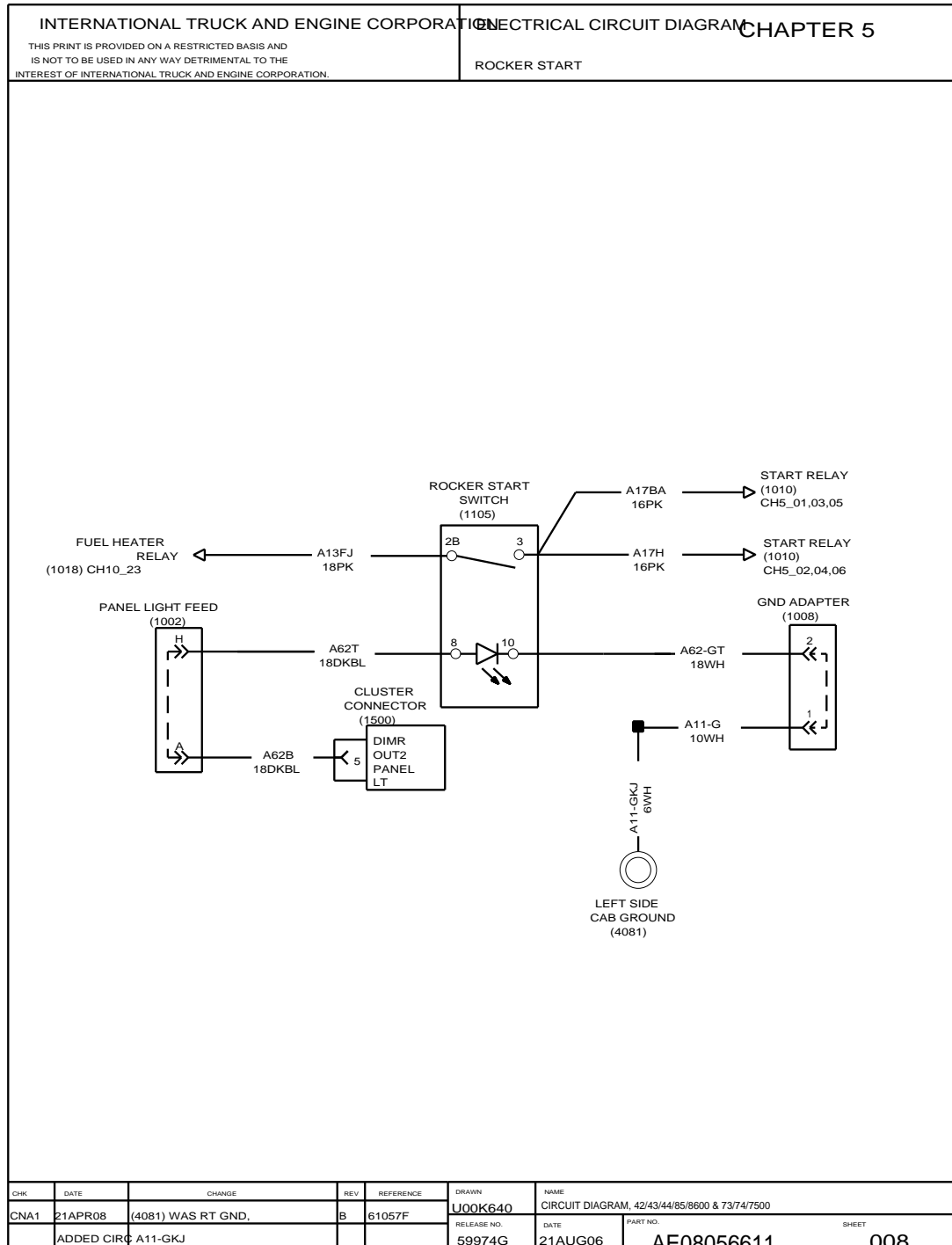
5.6. CAT, CUMMINS AND IBB ENGINES WITH AUTOSHIFT AND ULTRASHIFT TRANSMISSION, P. 6



5.7. I6 POWER PACK, P. 7

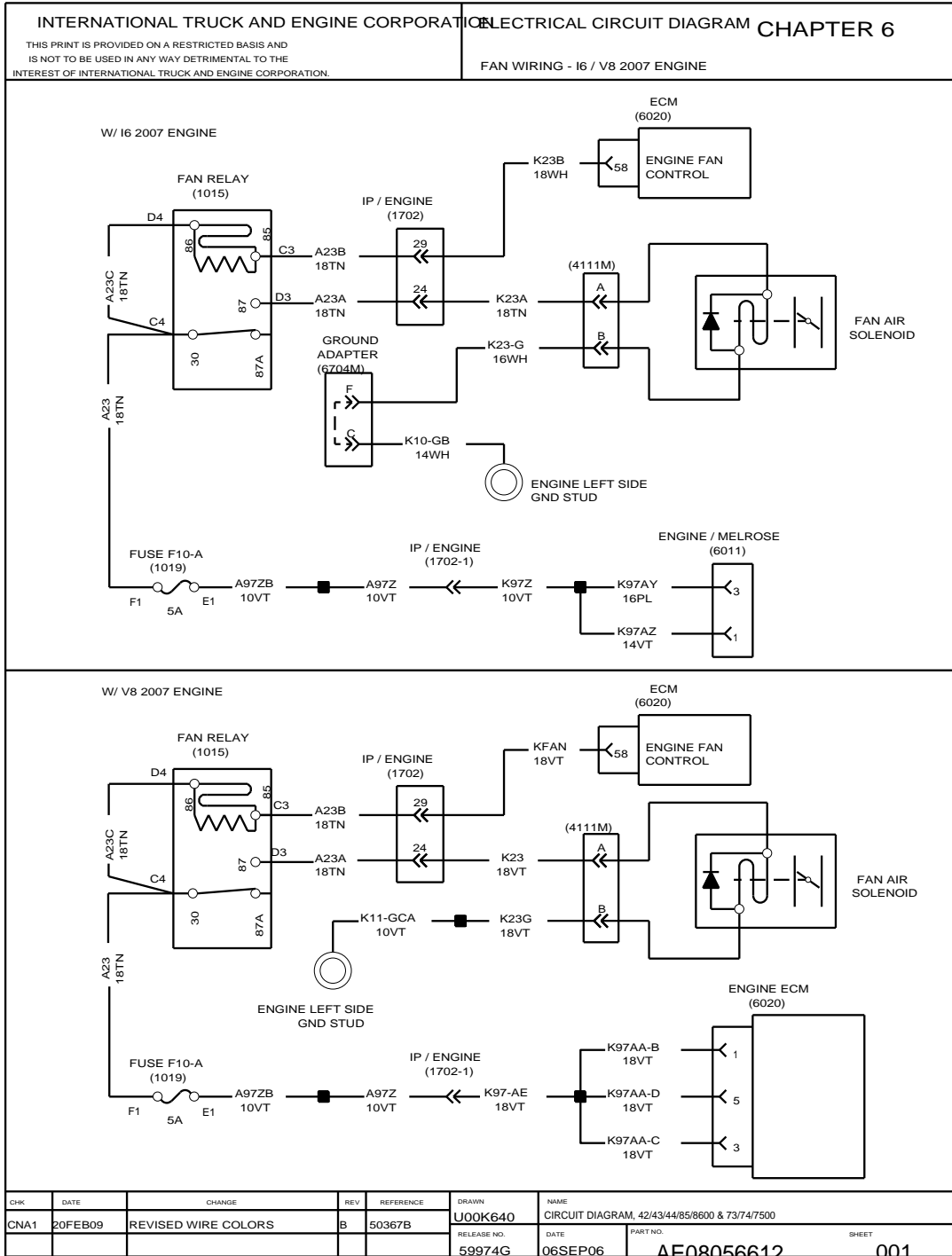


5.8. ROCKER START, P. 8

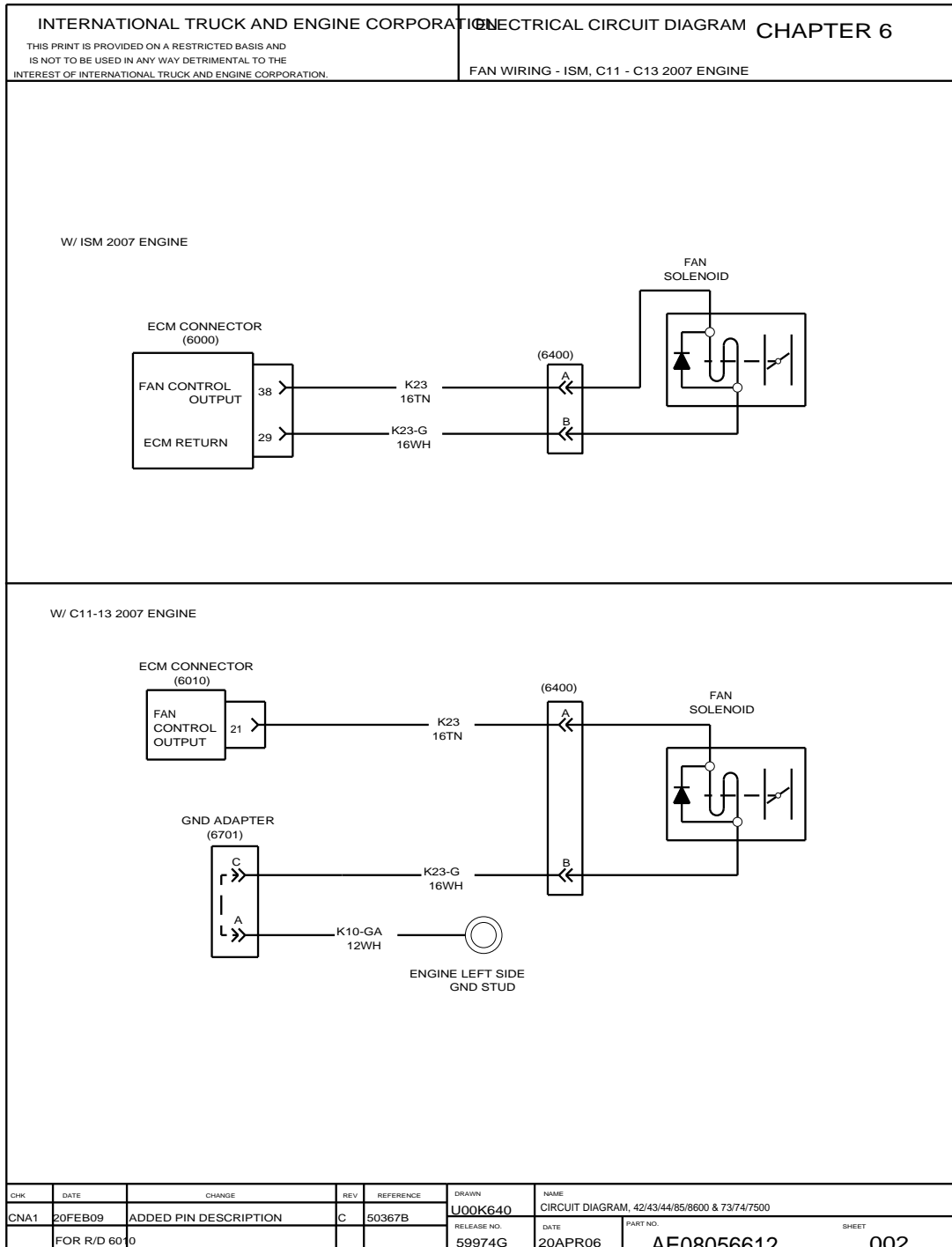


## 6. FANS AND ENGINE ACCESSORIES (CHAPTER 6)

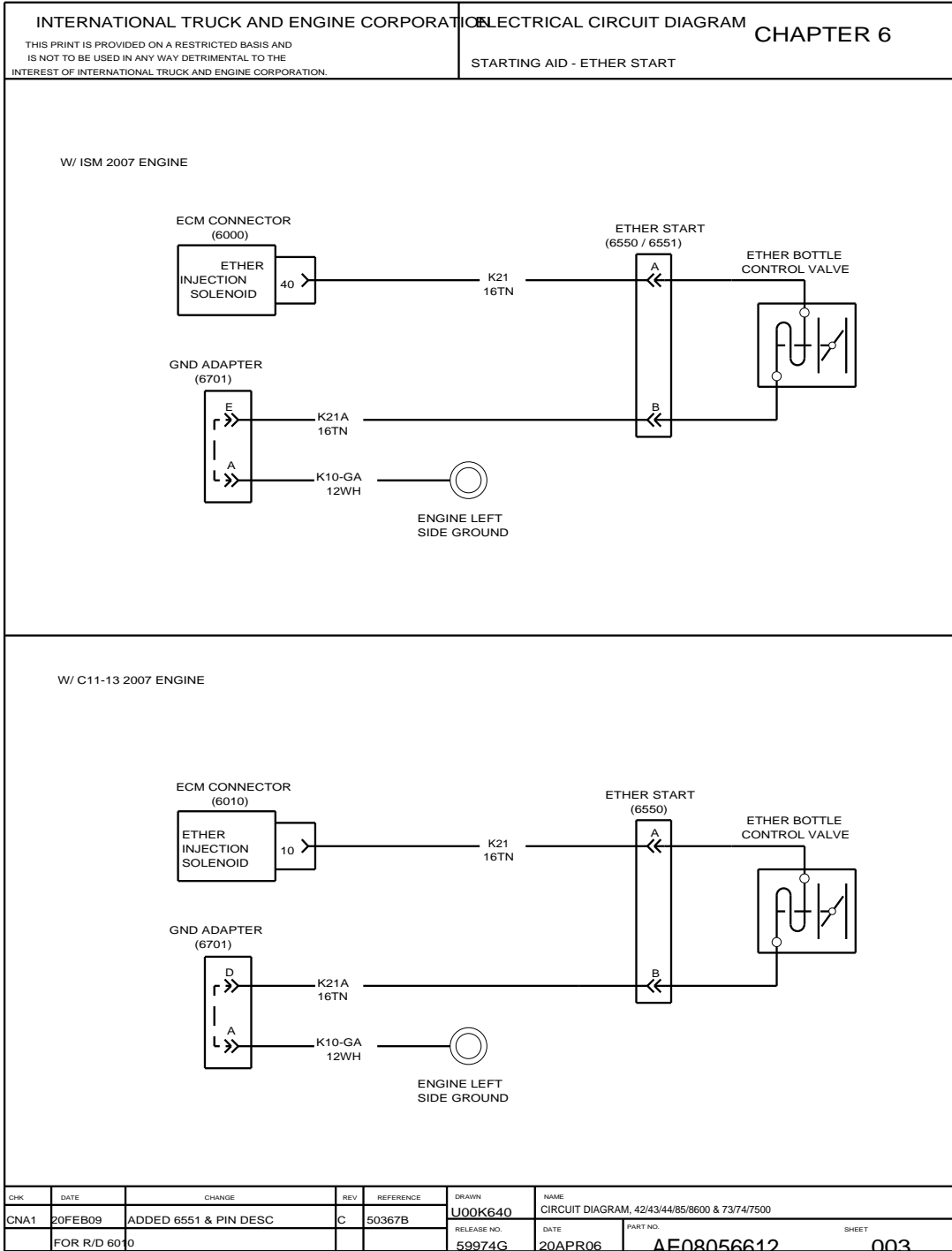
### 6.1. FAN WIRING, I6 / V8 2007 ENGINES, P. 1



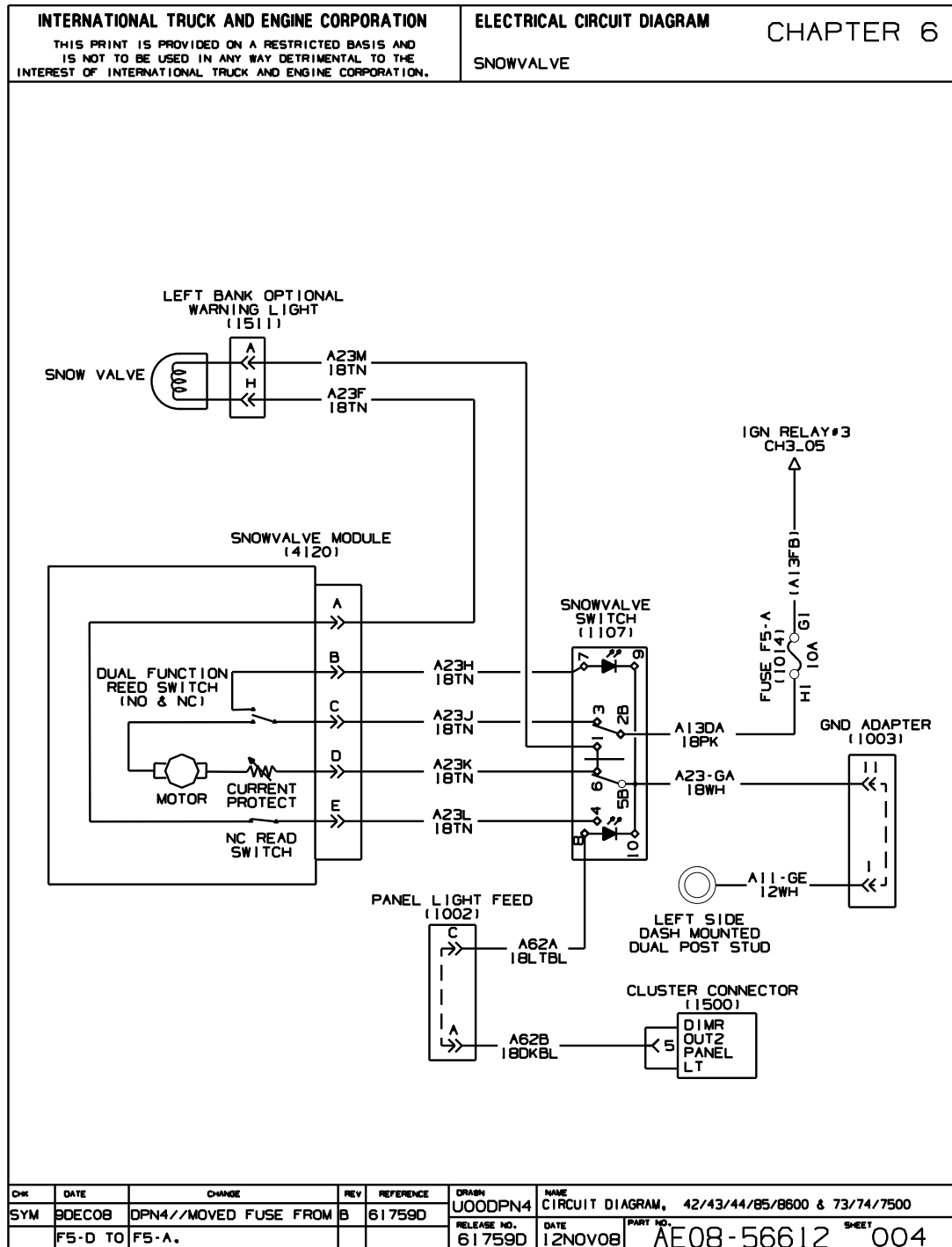
6.2. FAN WIRING, ISM, C11-C13 2007 ENGINES, P. 2



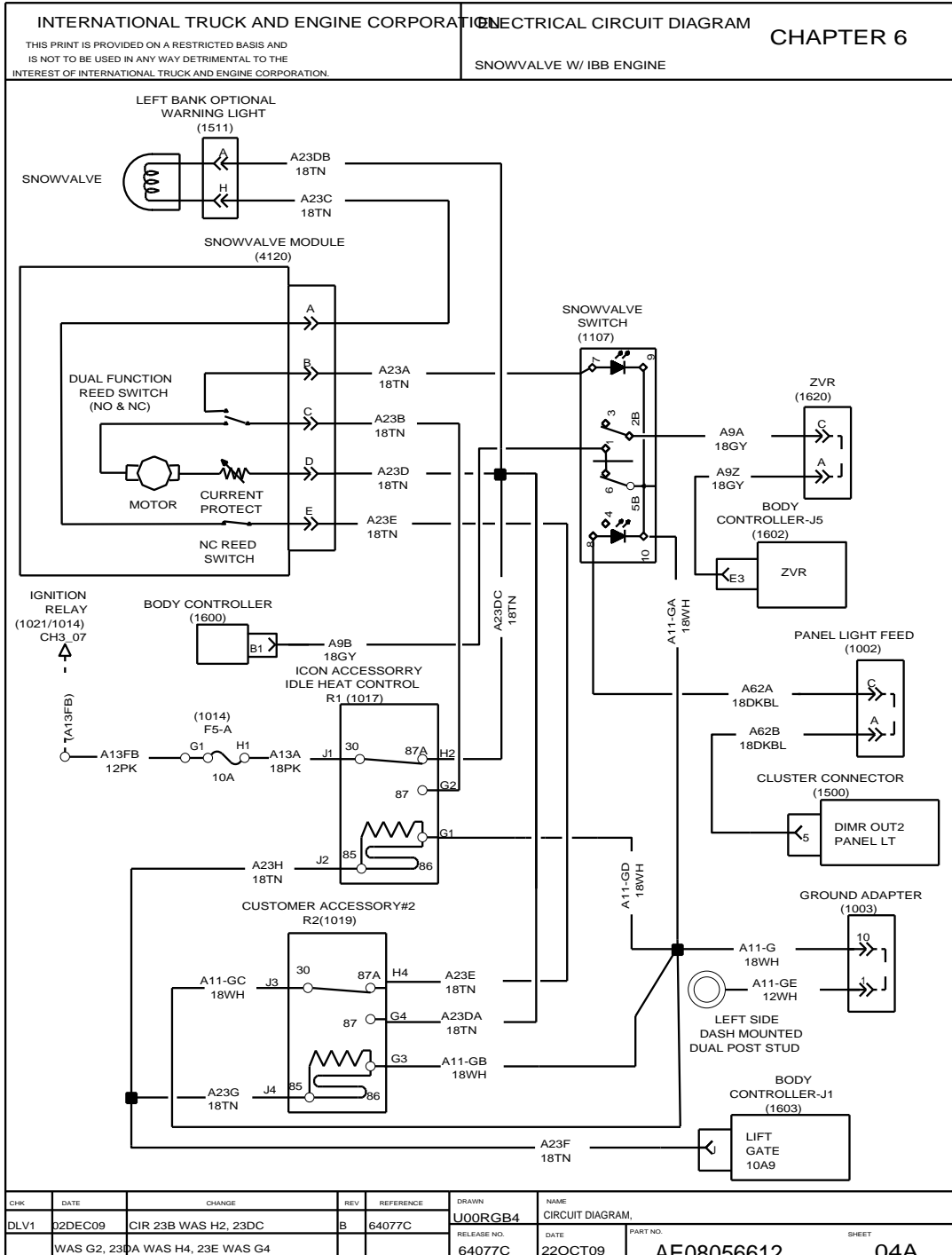
6.3. STARTING AID — ETHER START, P. 3



6.4. SNOW VALVE, P. 4

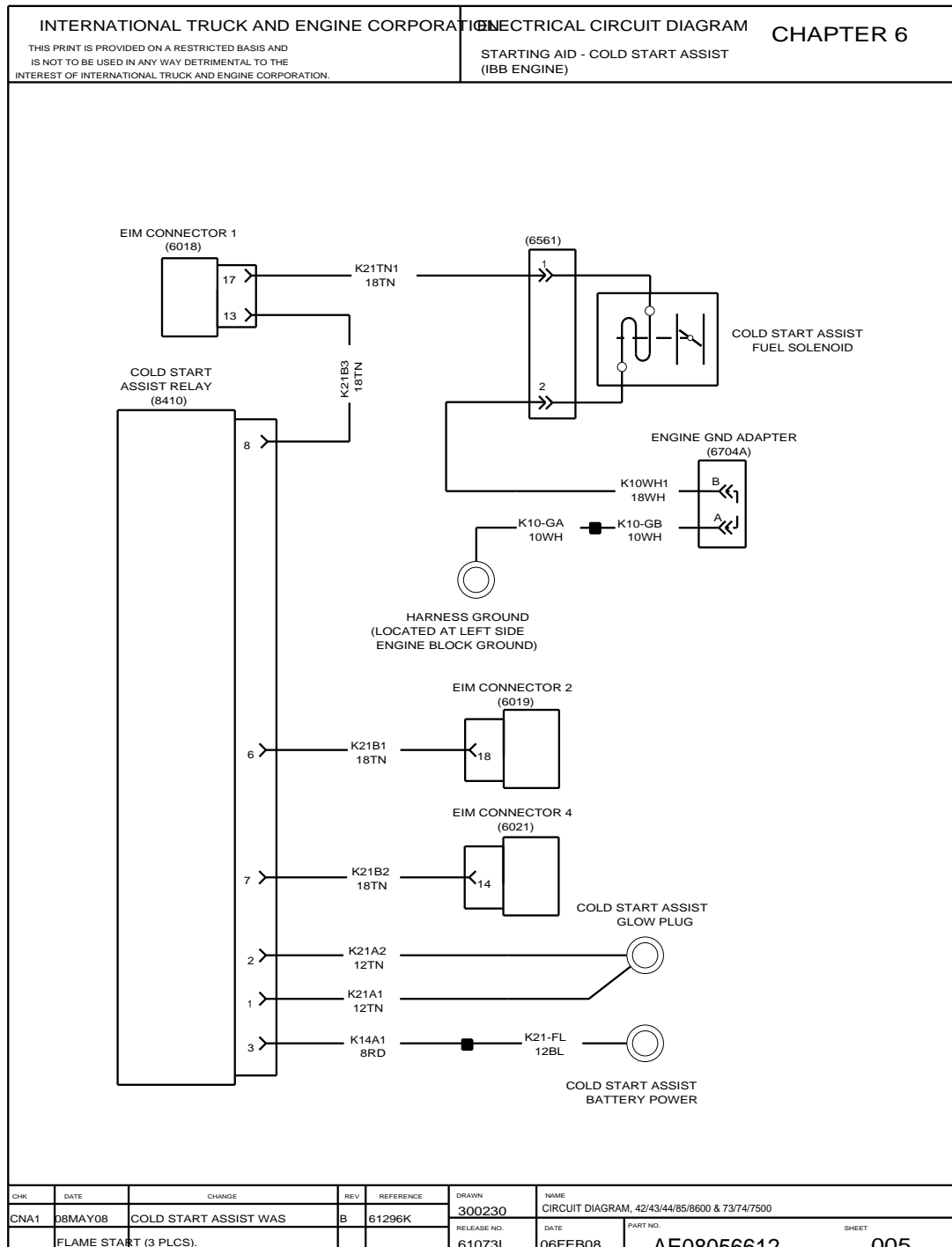


6.5. SNOW VALVE WITH IBB ENGINE, P. 4A

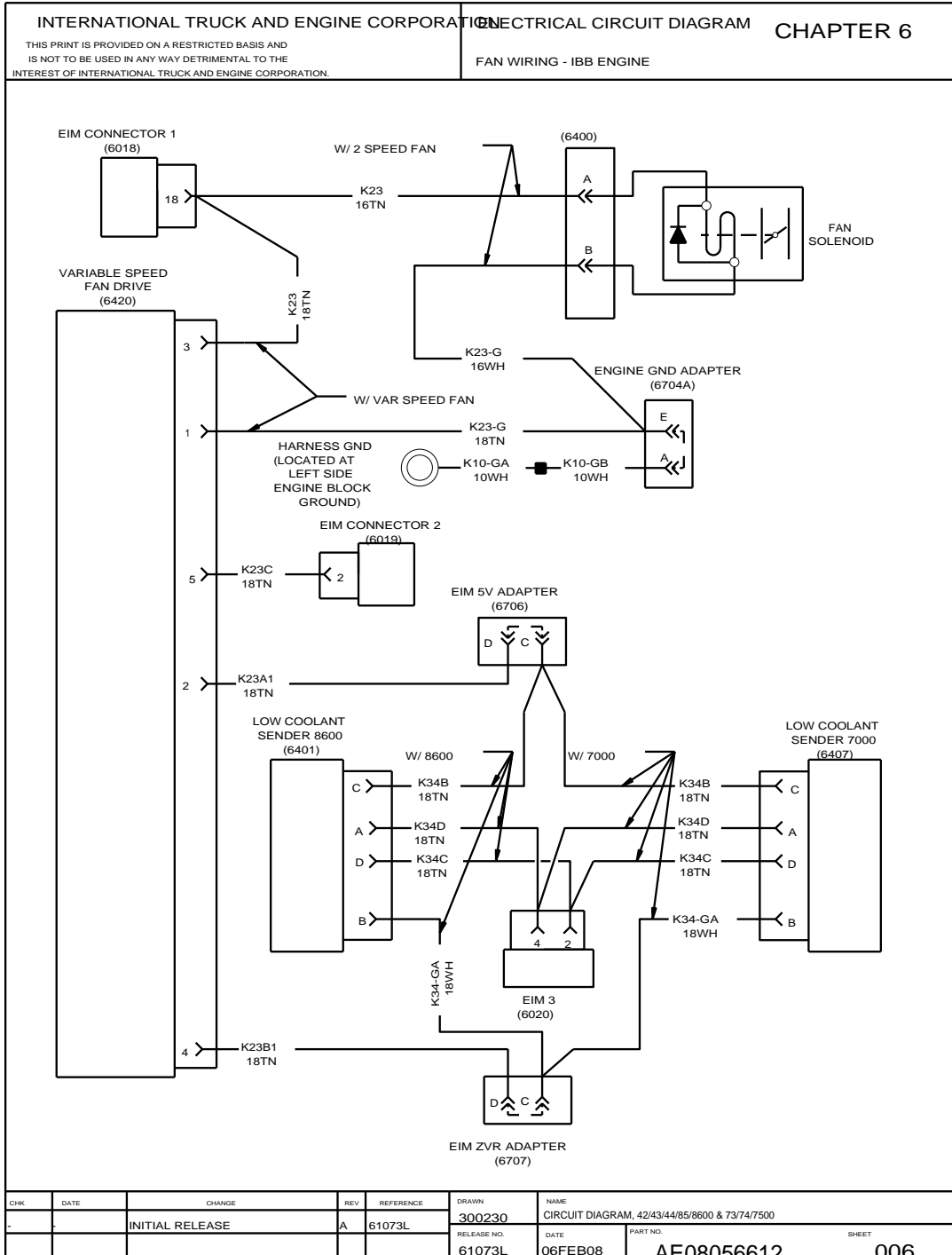




6.6. STARTING AID — COLD START ASSIST (IBB ENGINE), P. 5

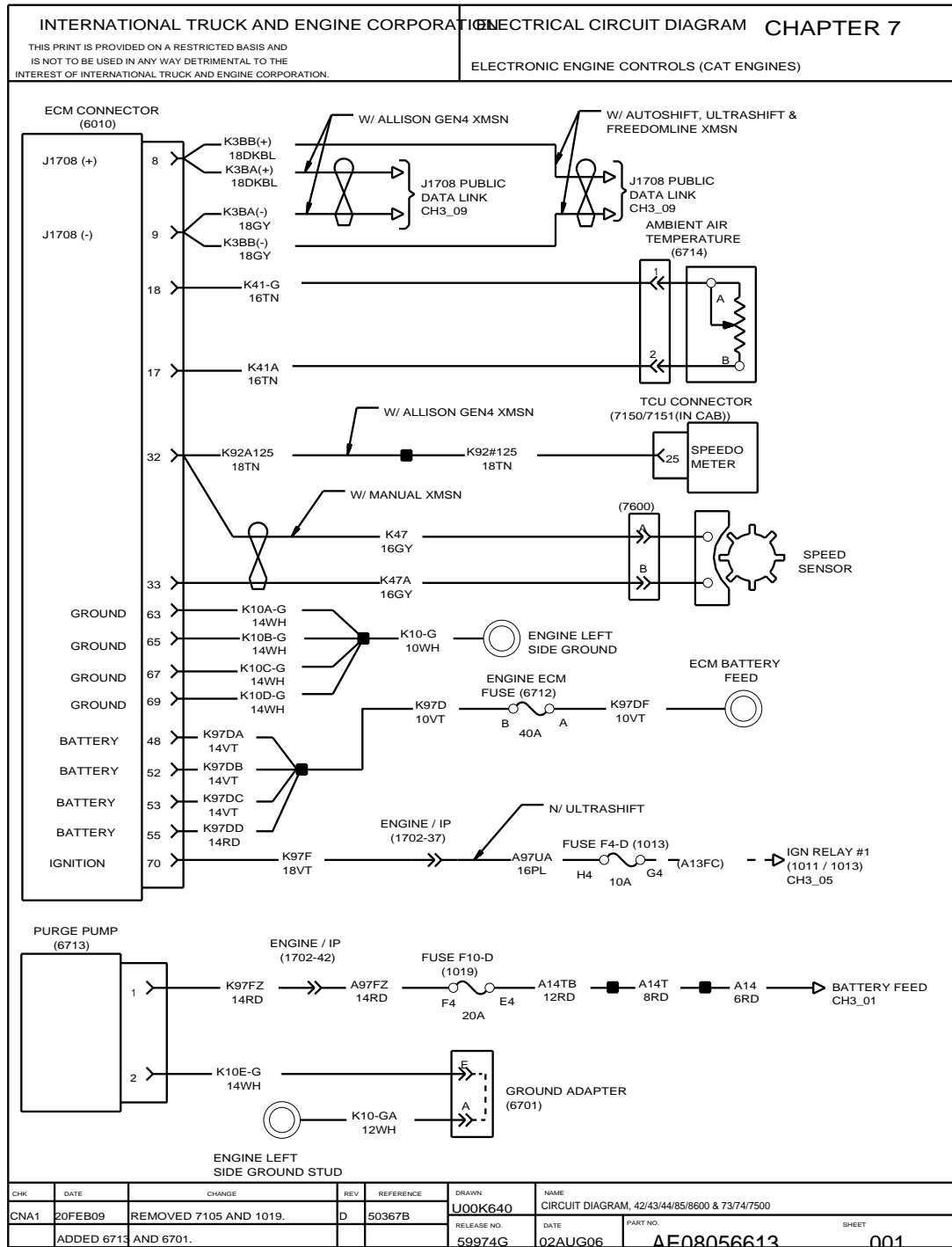


6.7. FAN WIRING — IBB ENGINE, P. 6

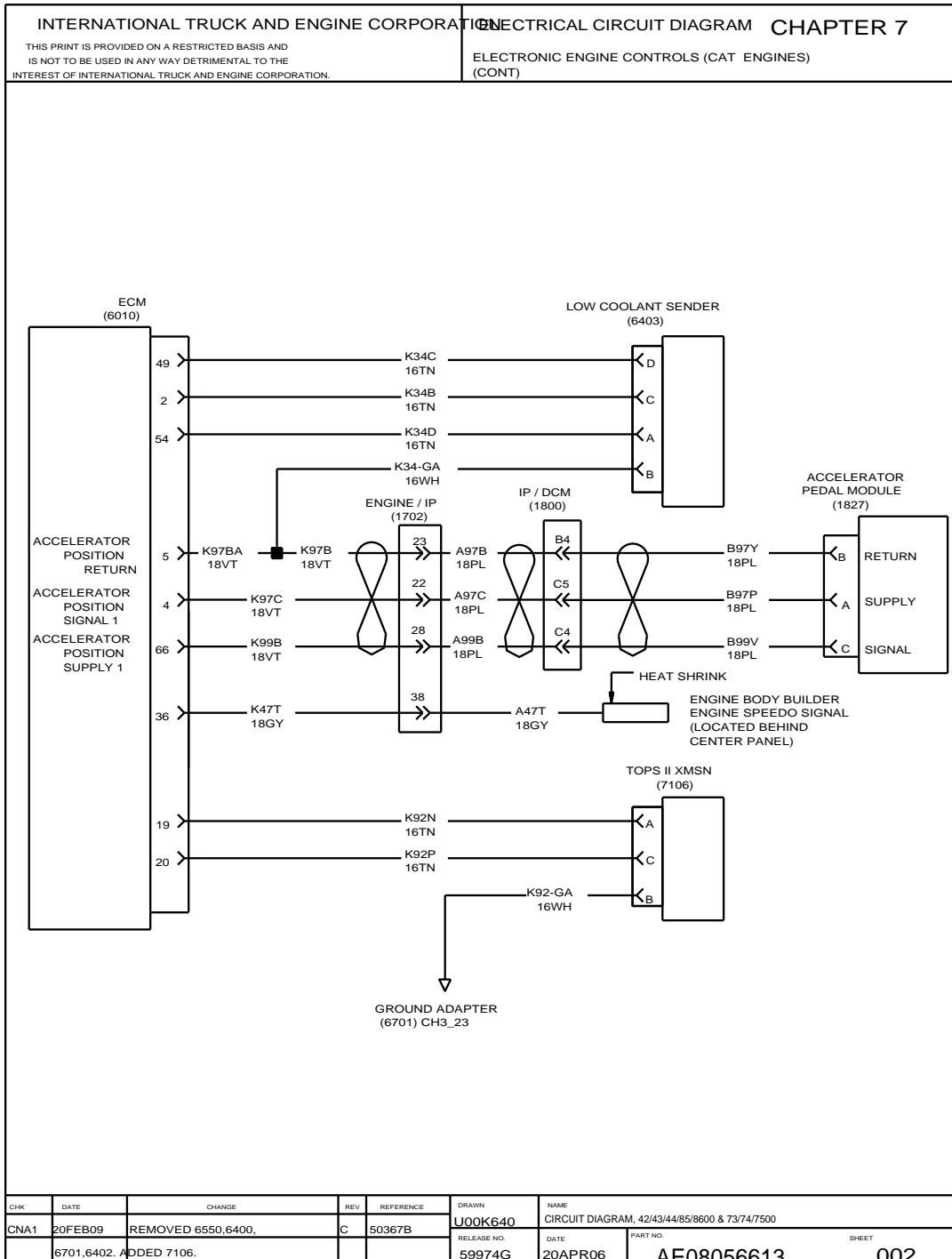


## 7. ELECTRONIC ENGINES (CHAPTER 7)

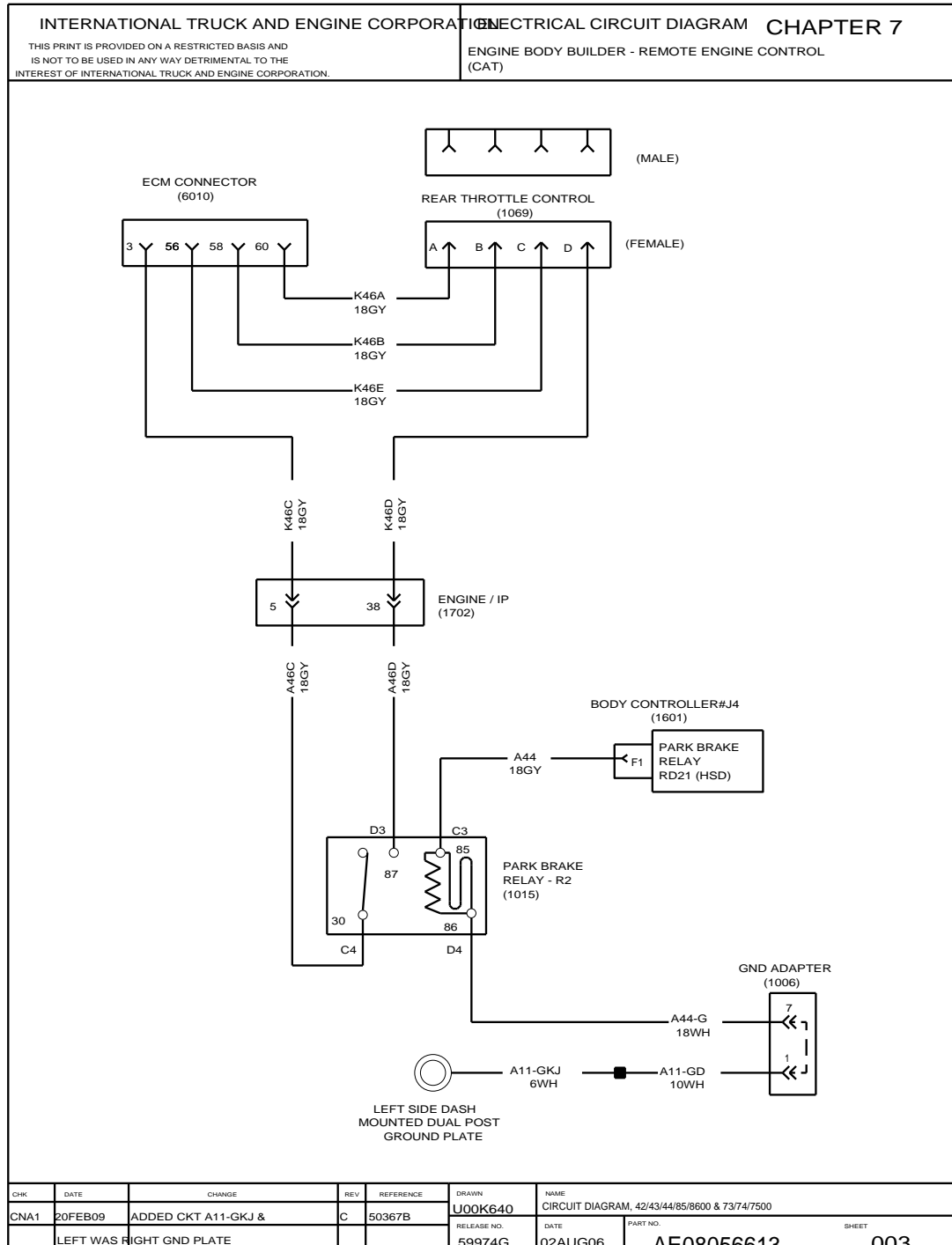
### 7.1. ELECTRONIC ENGINE CONTROLS, CAT ENGINES, P. 1



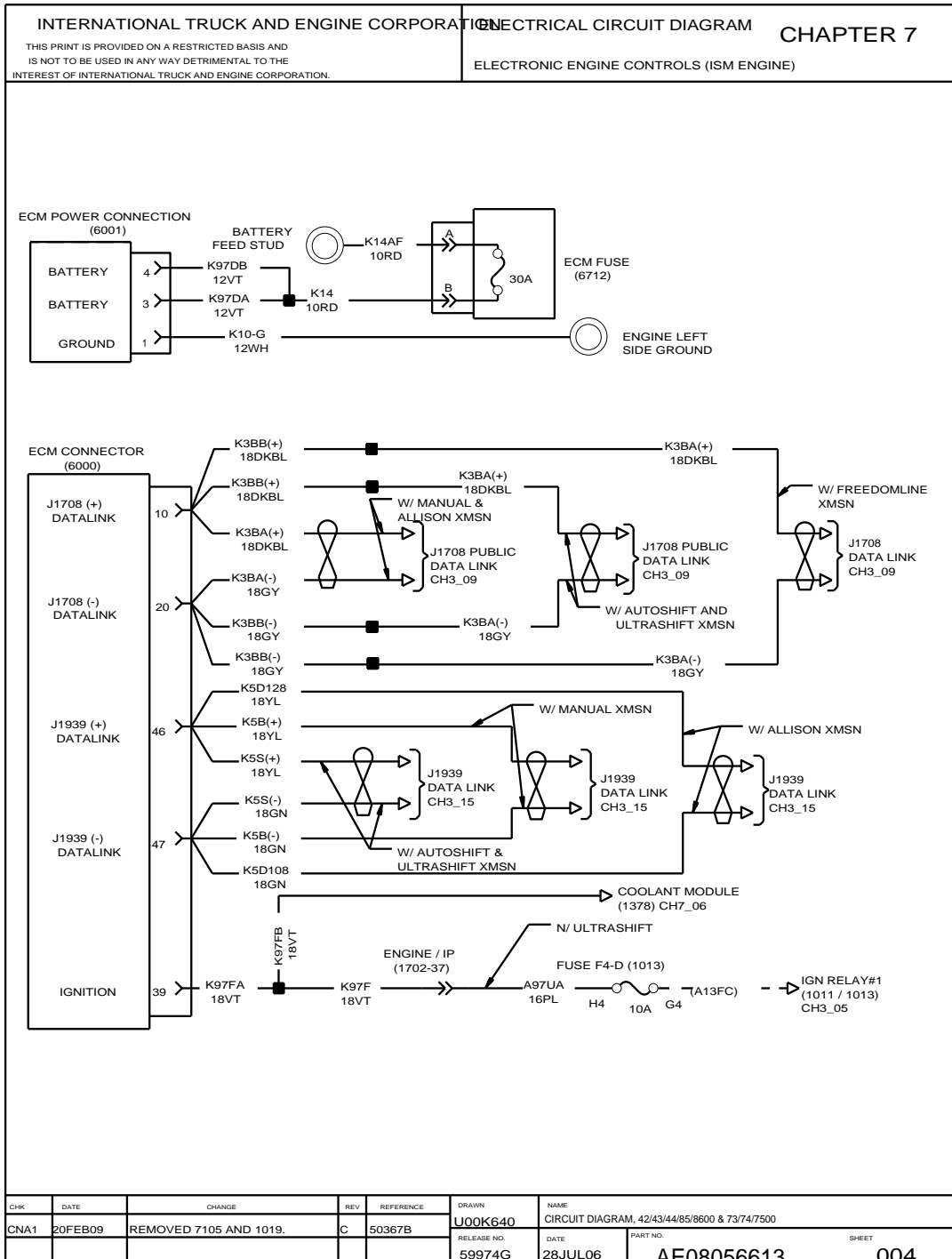
7.2. ELECTRONIC ENGINE CONTROLS, CAT ENGINES, P. 2



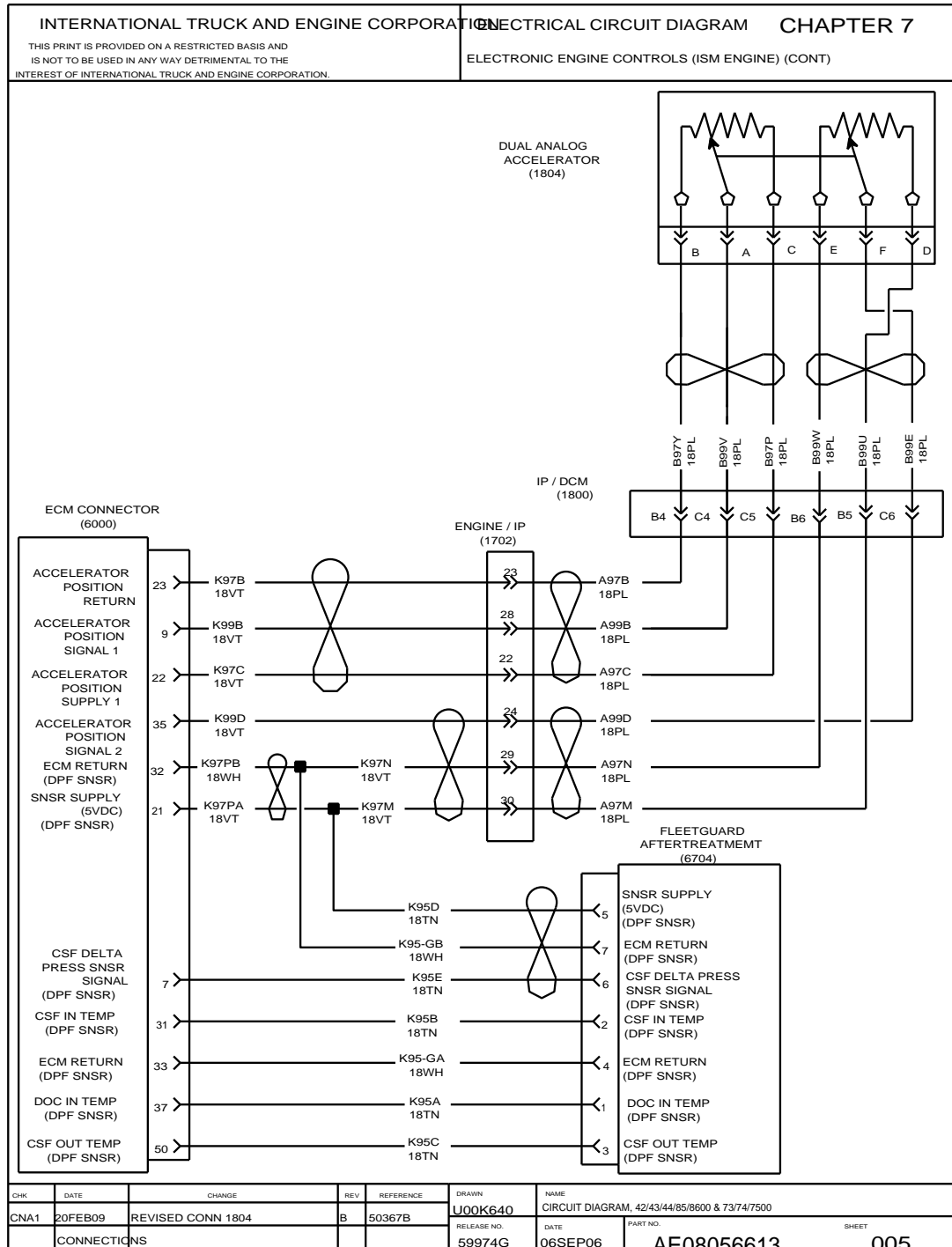
7.3. ENGINE BODY BUILDER — REMOTE ENGINE CONTROL (CAT ENGINE), P. 3



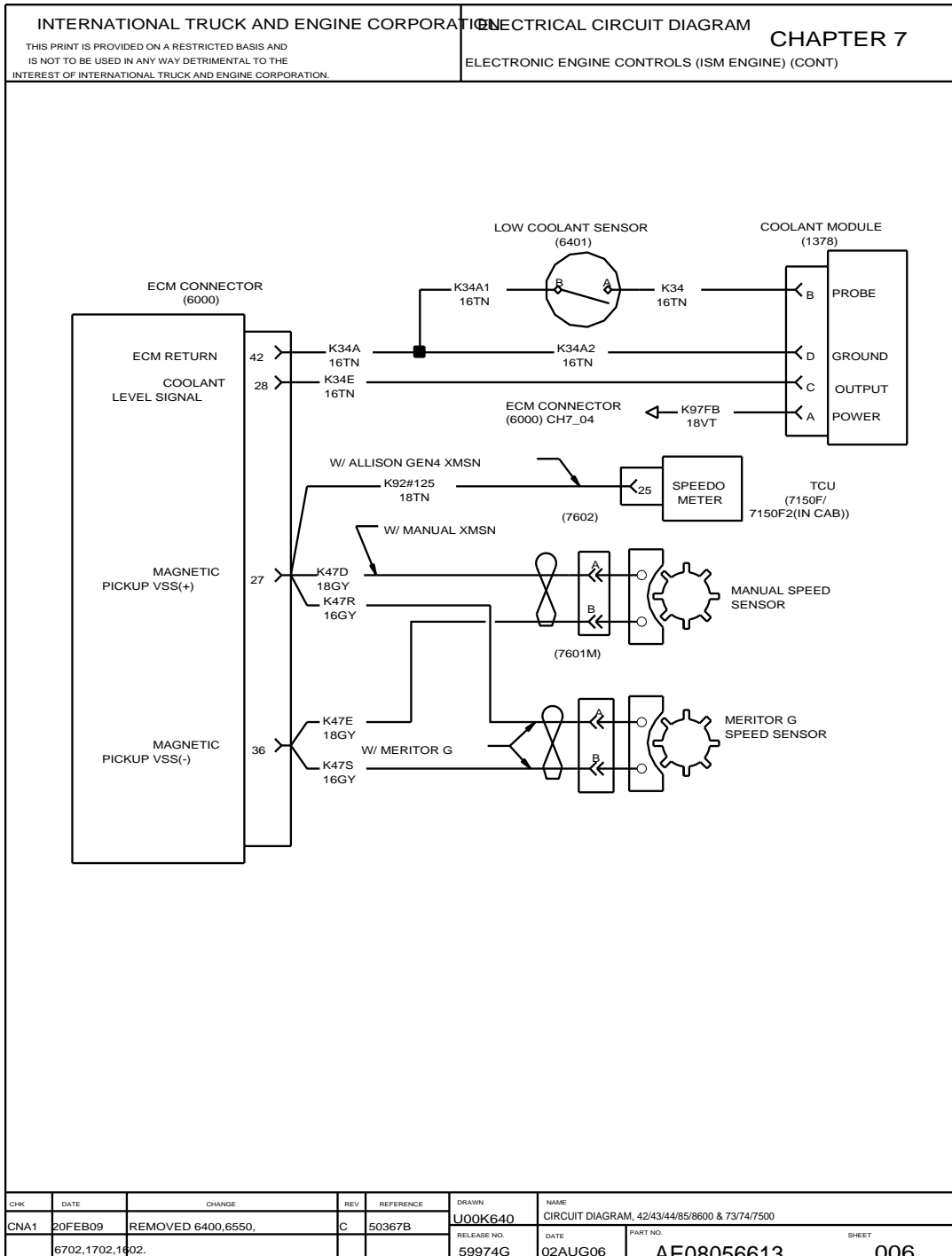
7.4. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 4



7.5. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 5

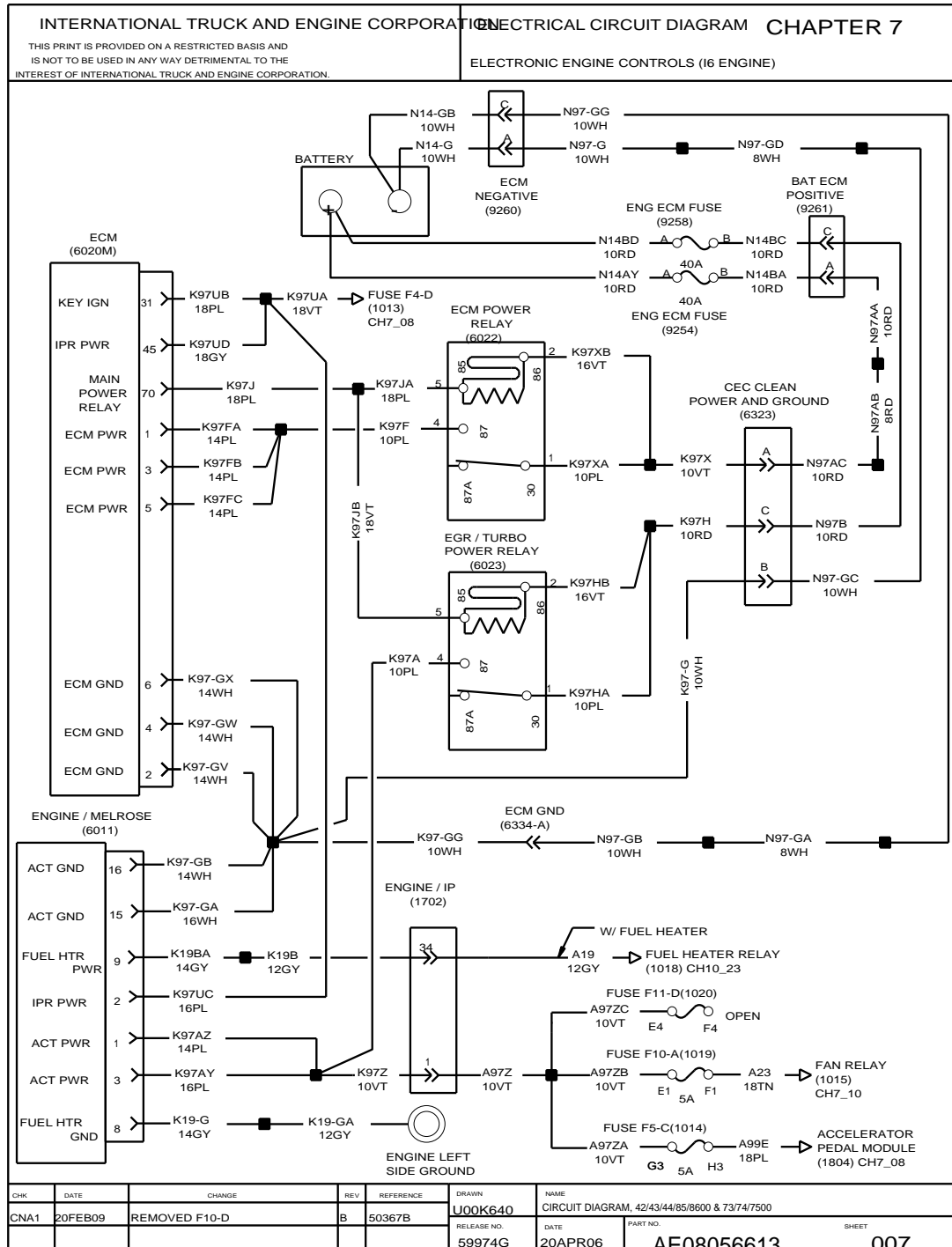


7.6. ELECTRONIC ENGINE CONTROLS, ISM ENGINES, P. 6

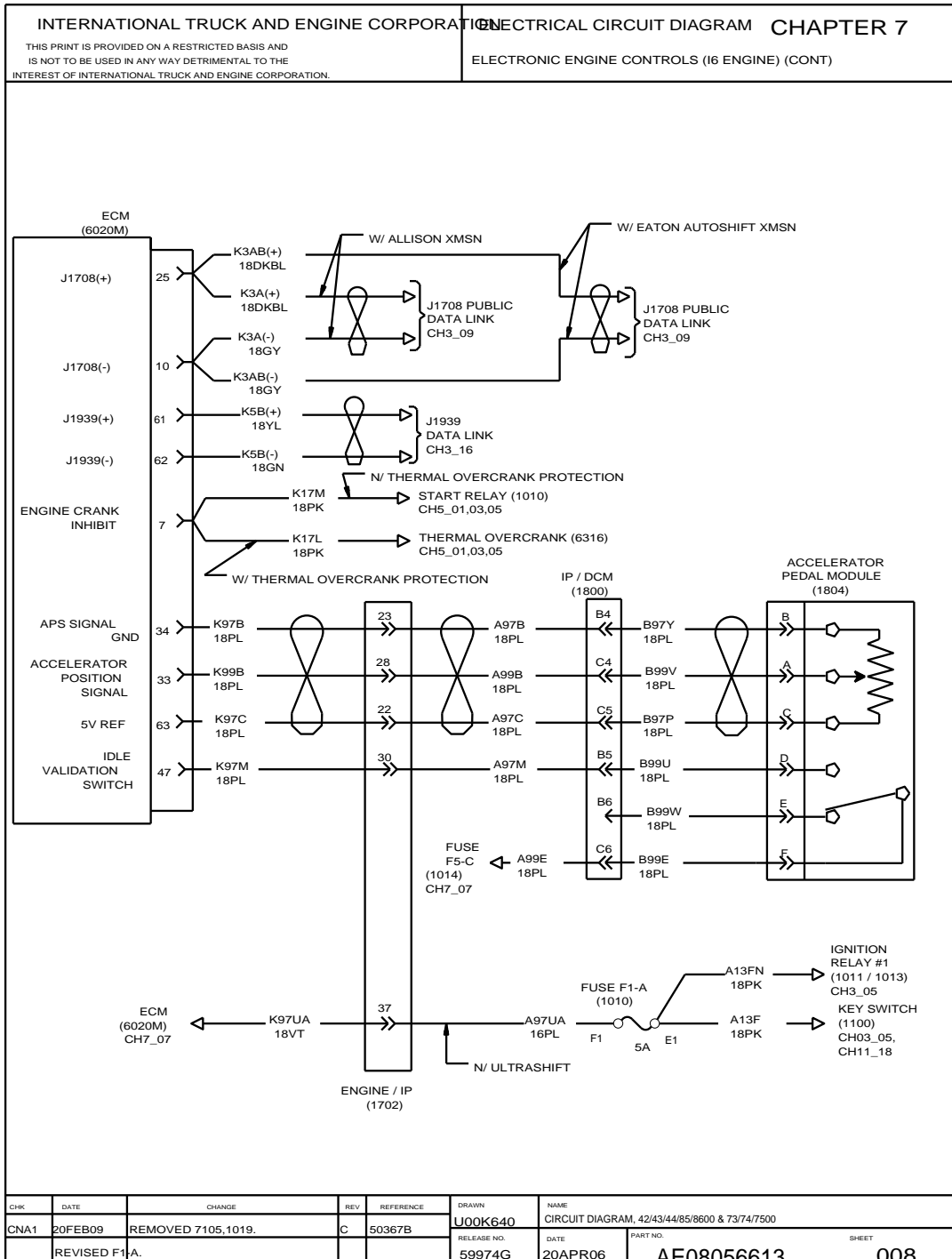




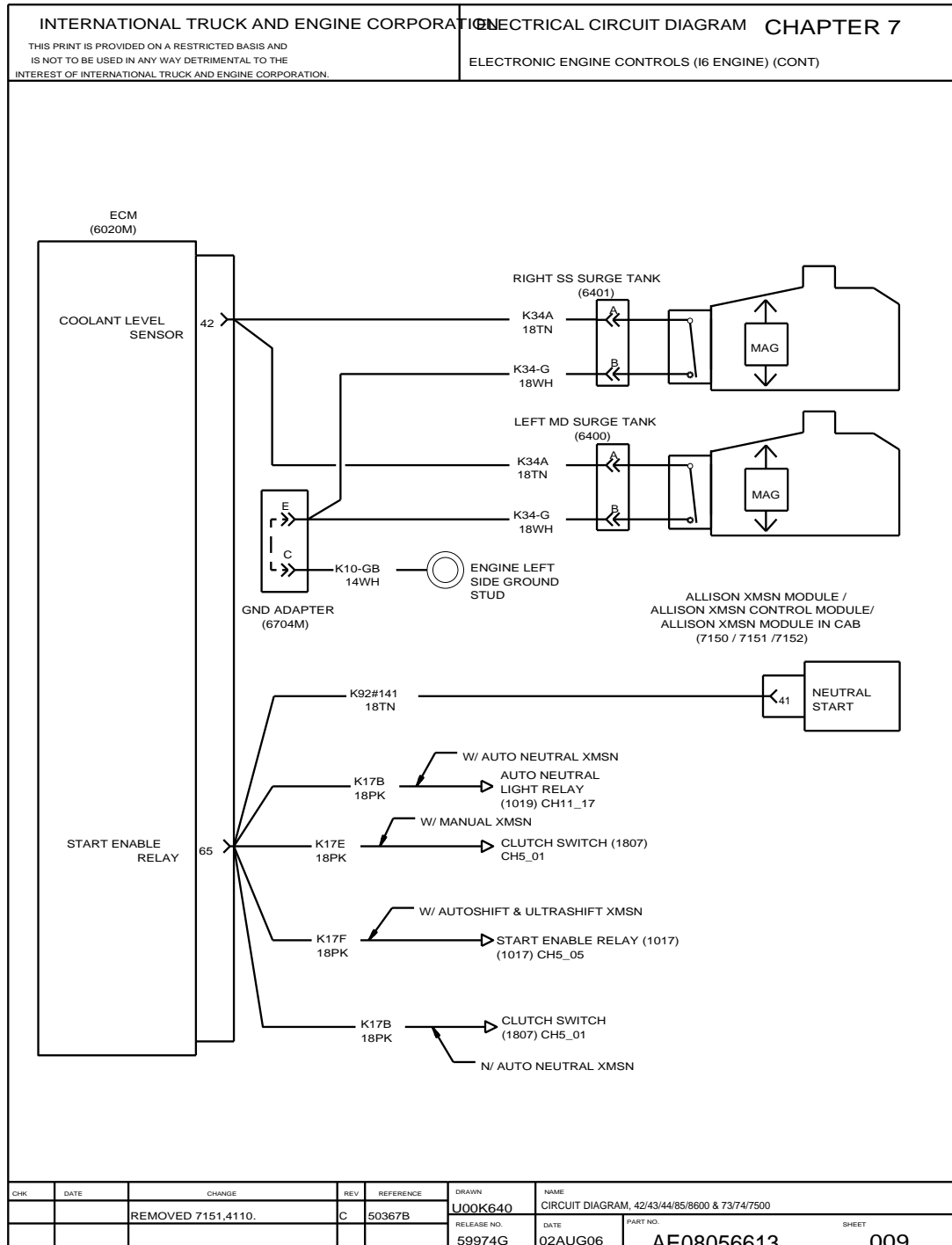
7.7. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 7



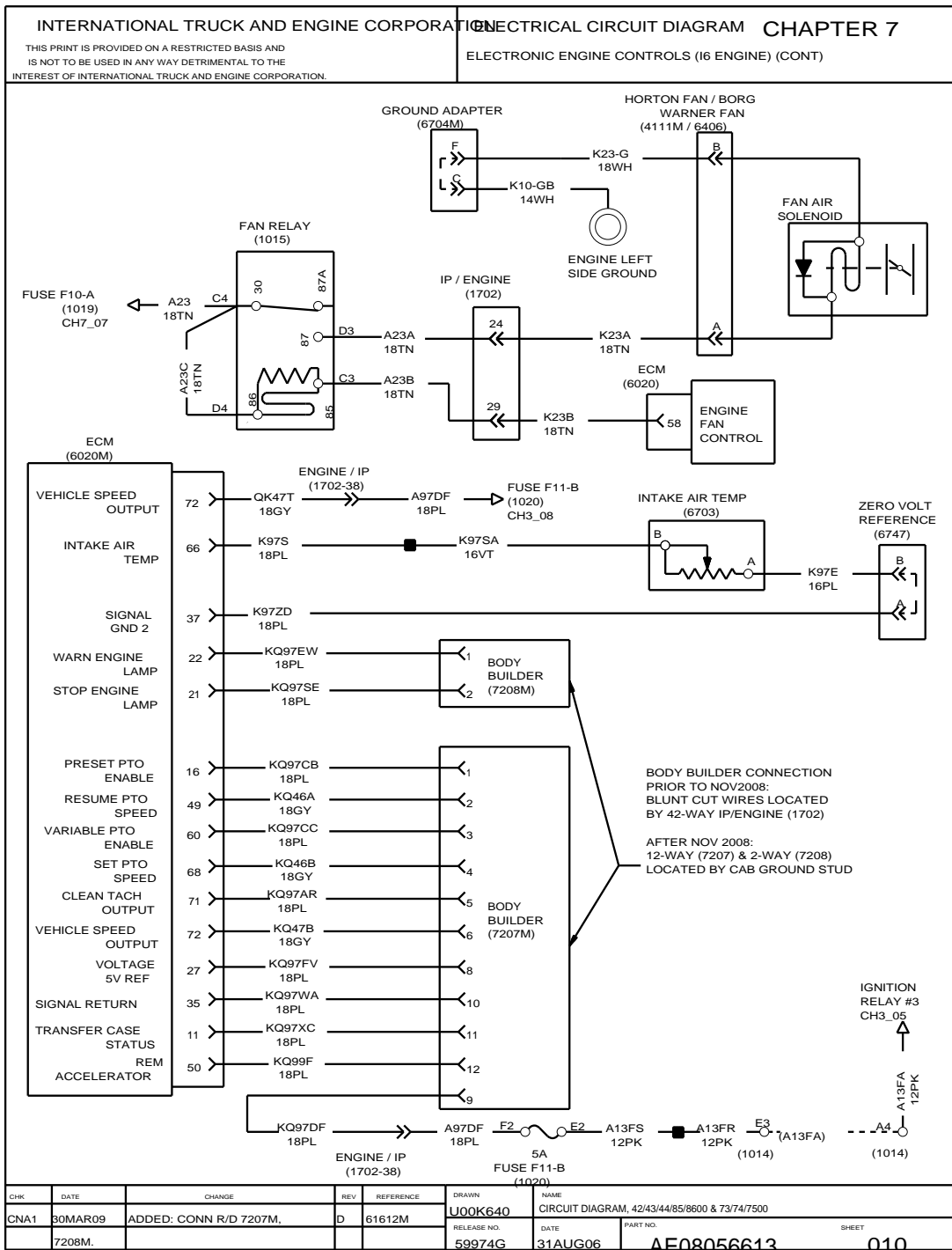
7.8. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 8



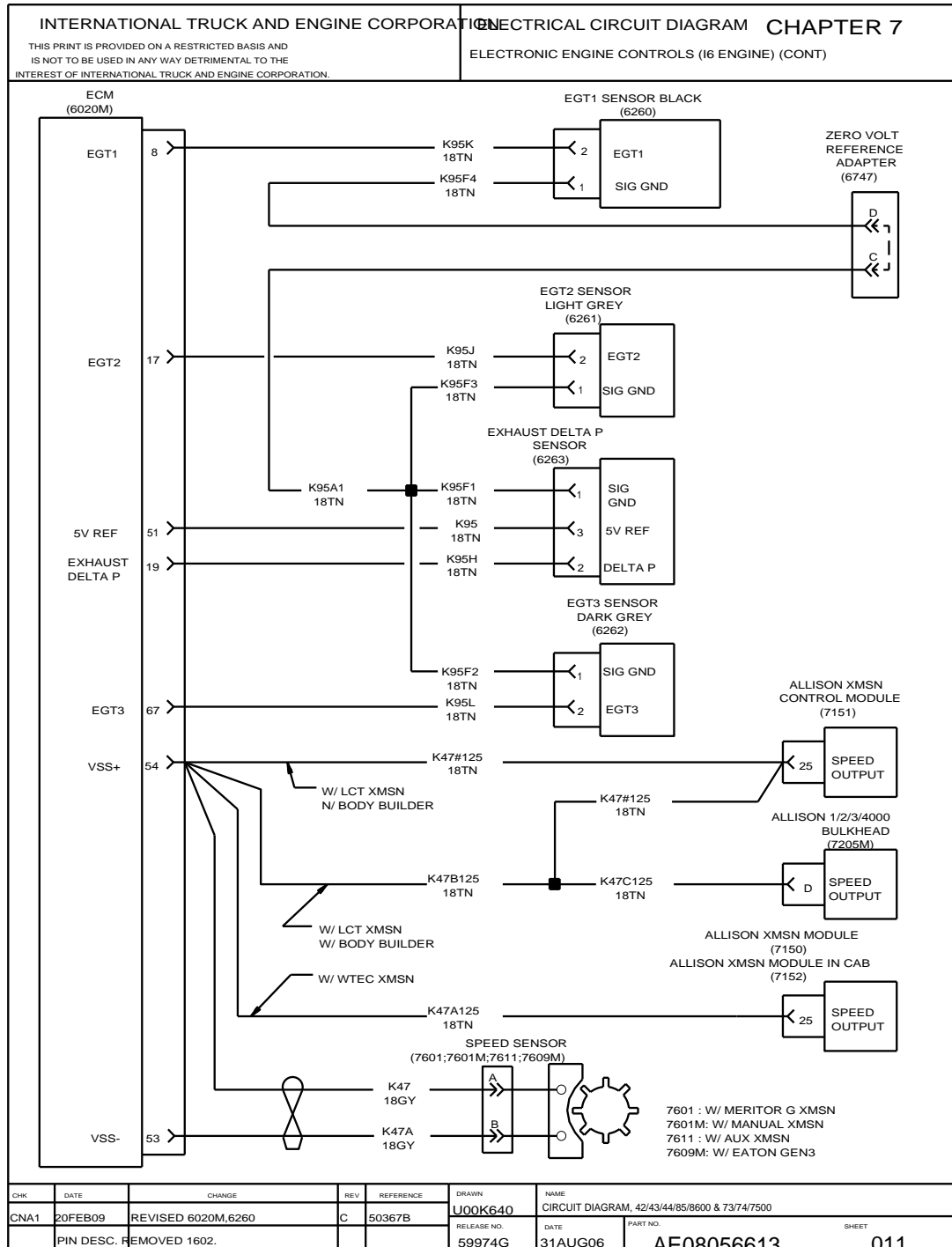
7.9. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 9



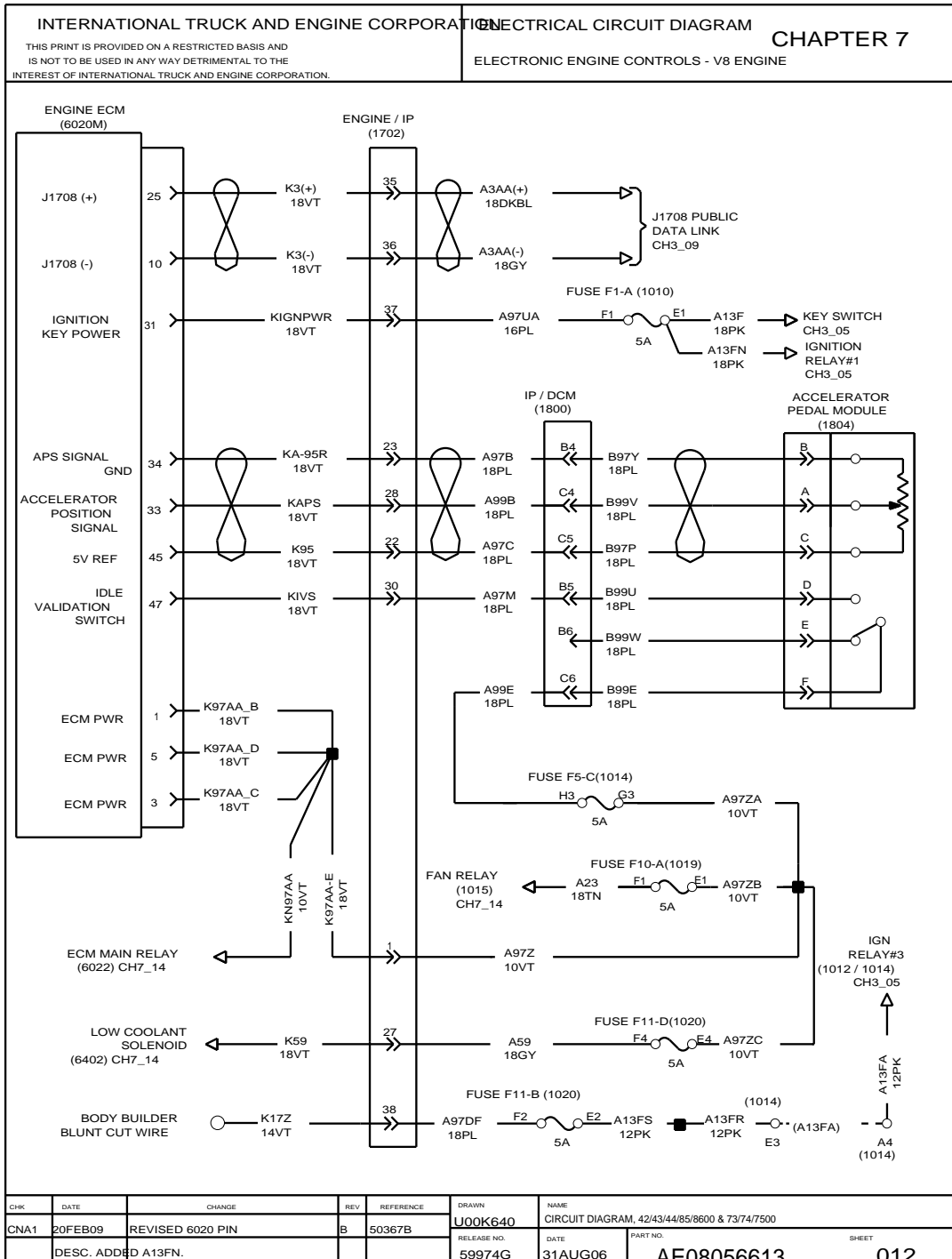
7.10. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 10



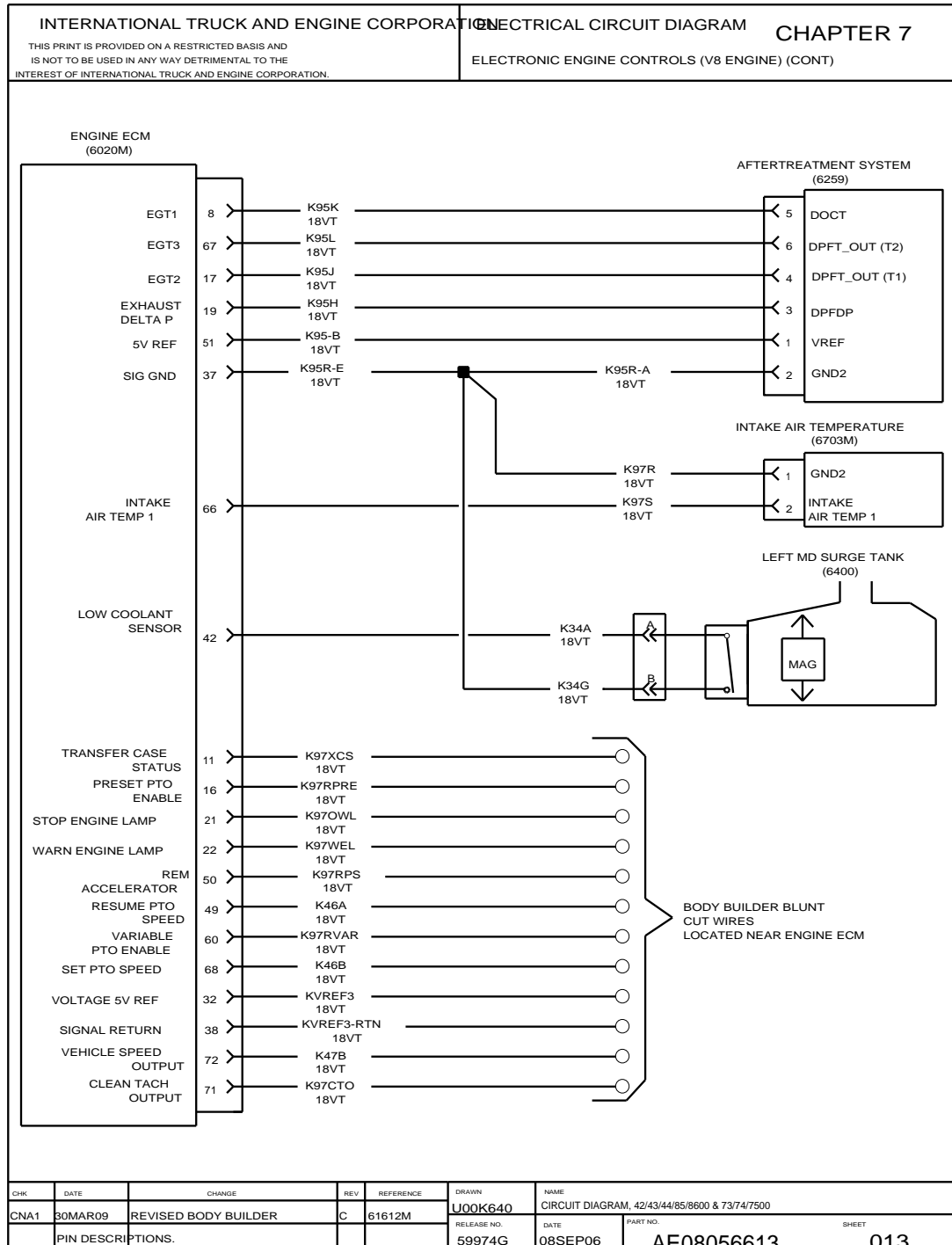
7.11. ELECTRONIC ENGINE CONTROLS, I6 ENGINES, P. 11



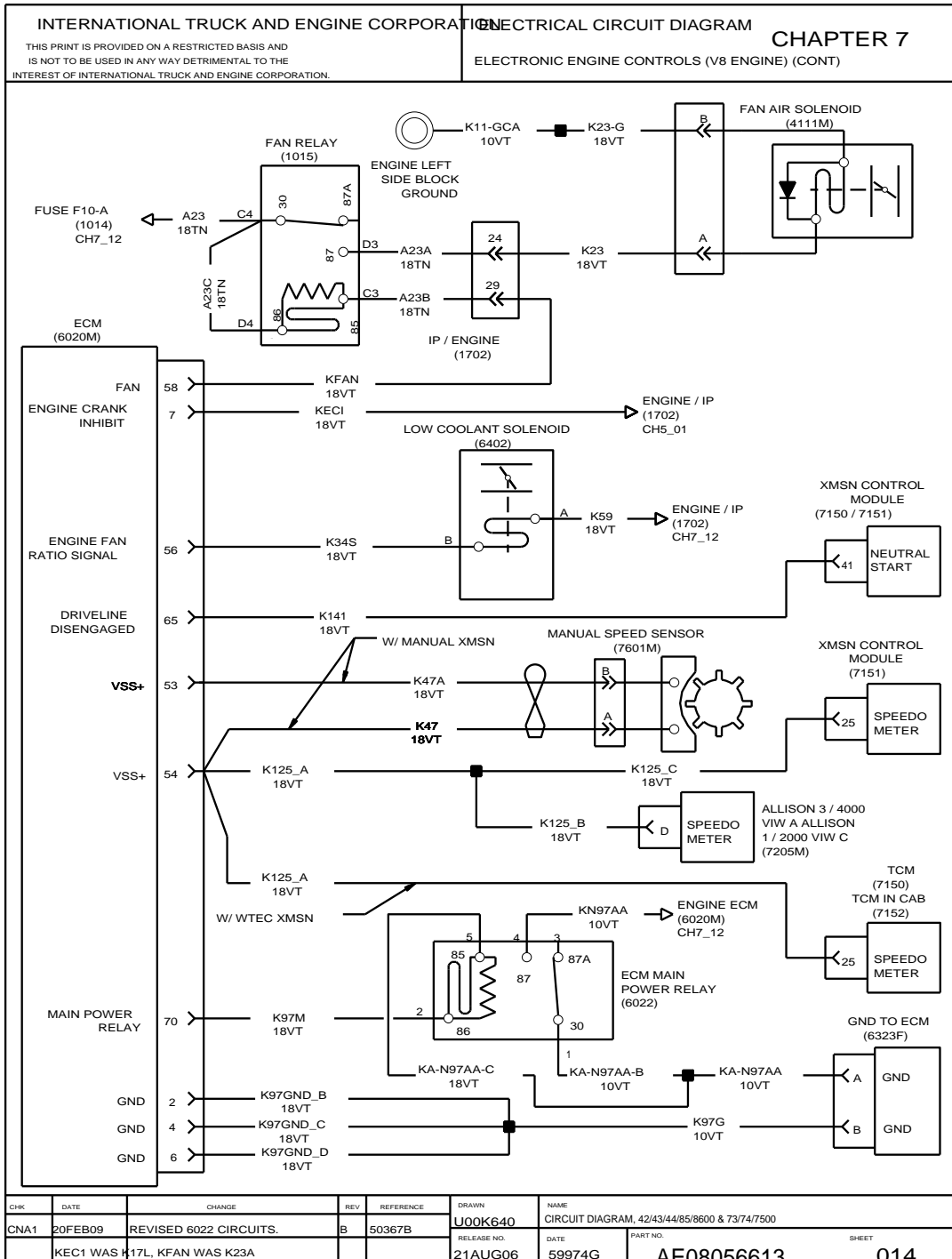
7.12. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 12



7.13. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 13

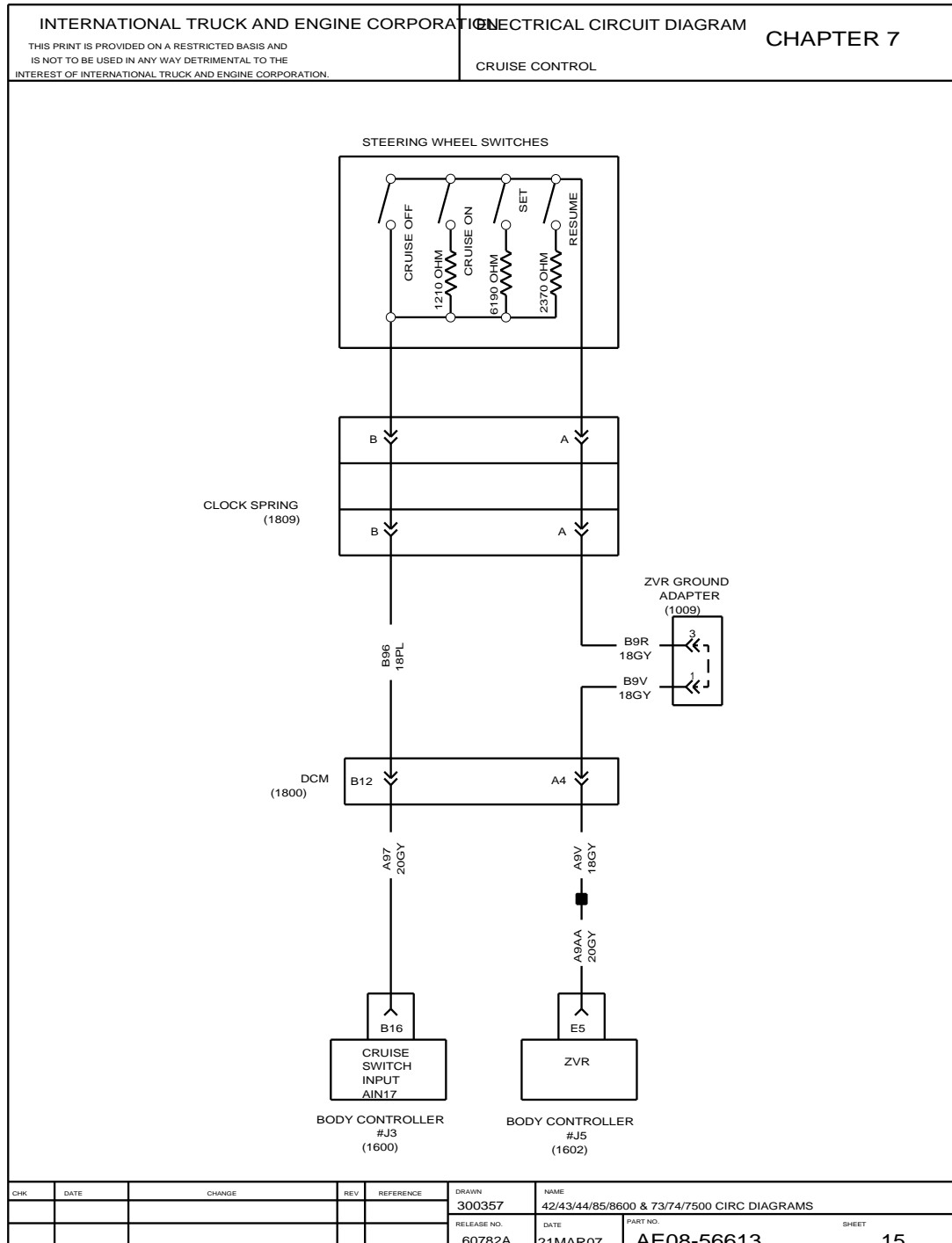


7.14. ELECTRONIC ENGINE CONTROLS — V8 ENGINES, P. 14

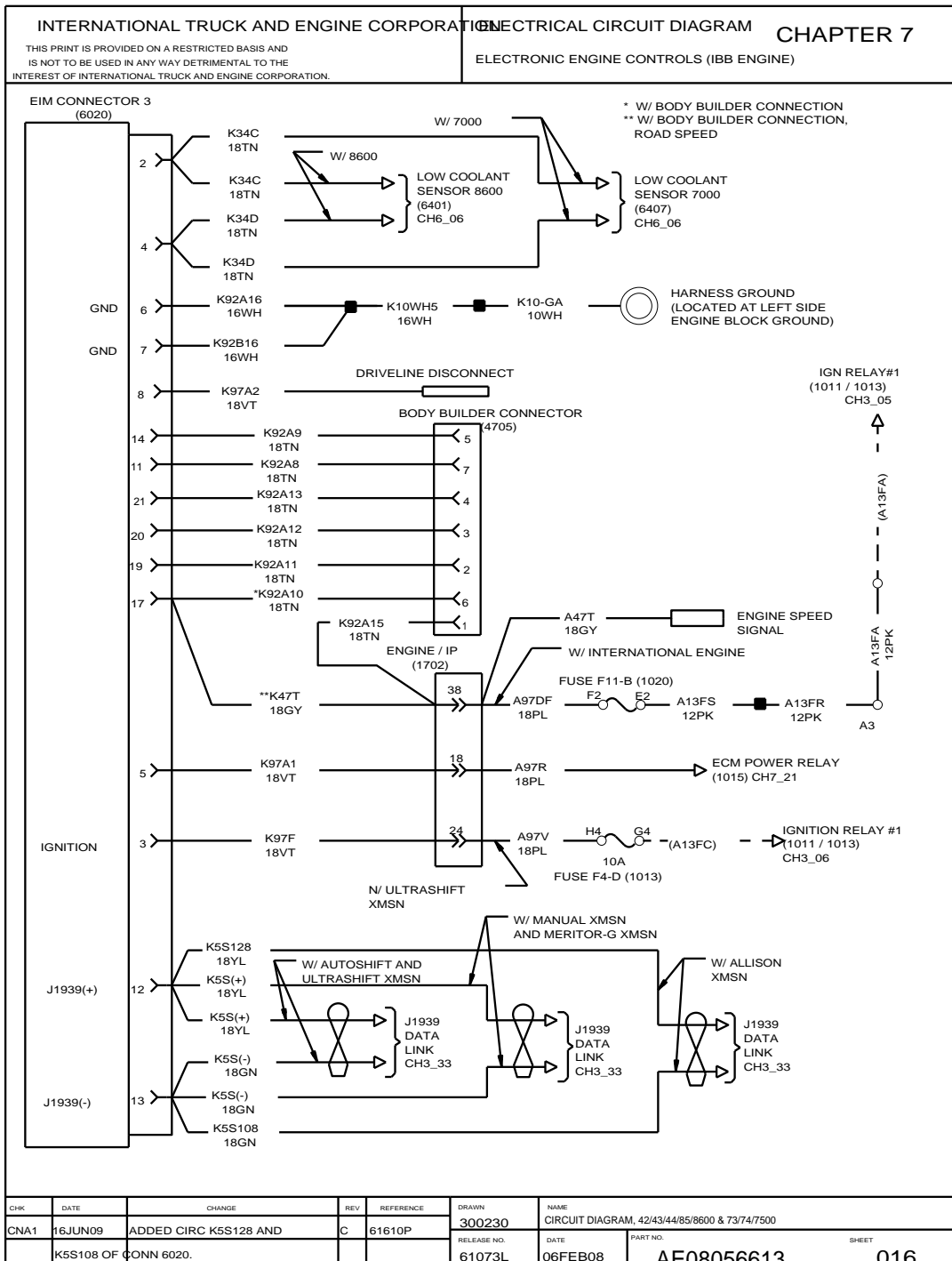




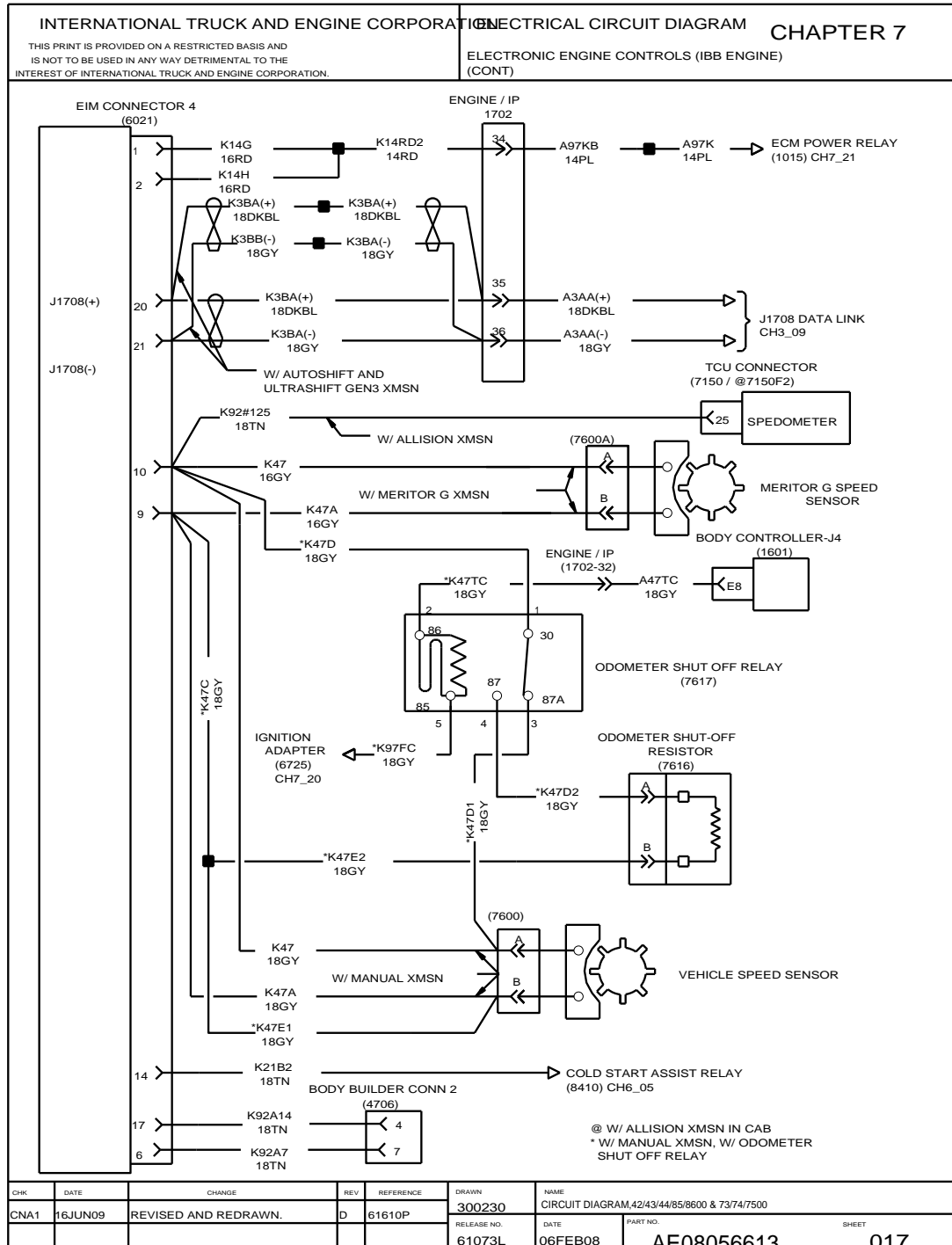
7.15. CRUISE CONTROL, P. 15



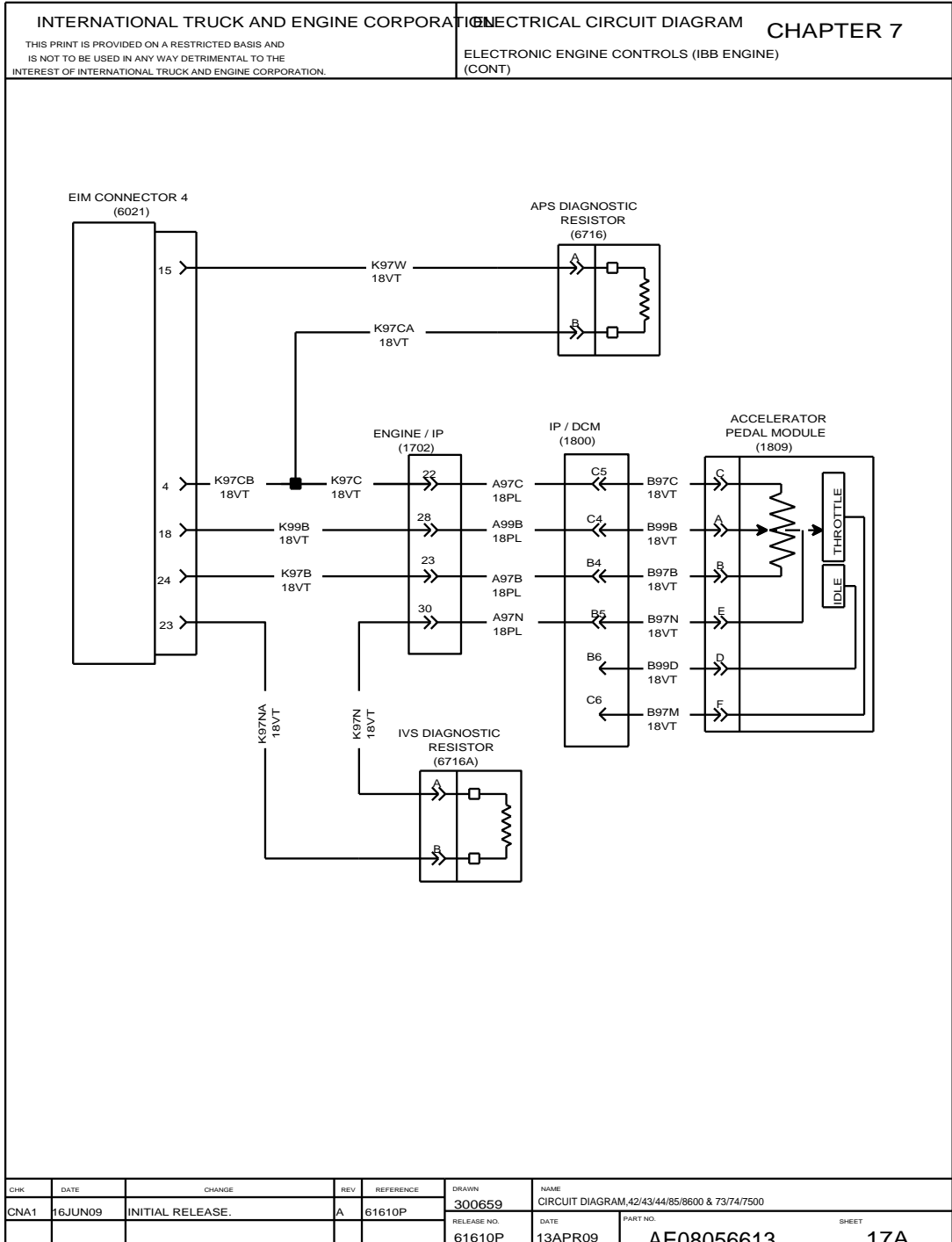
7.16. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 16



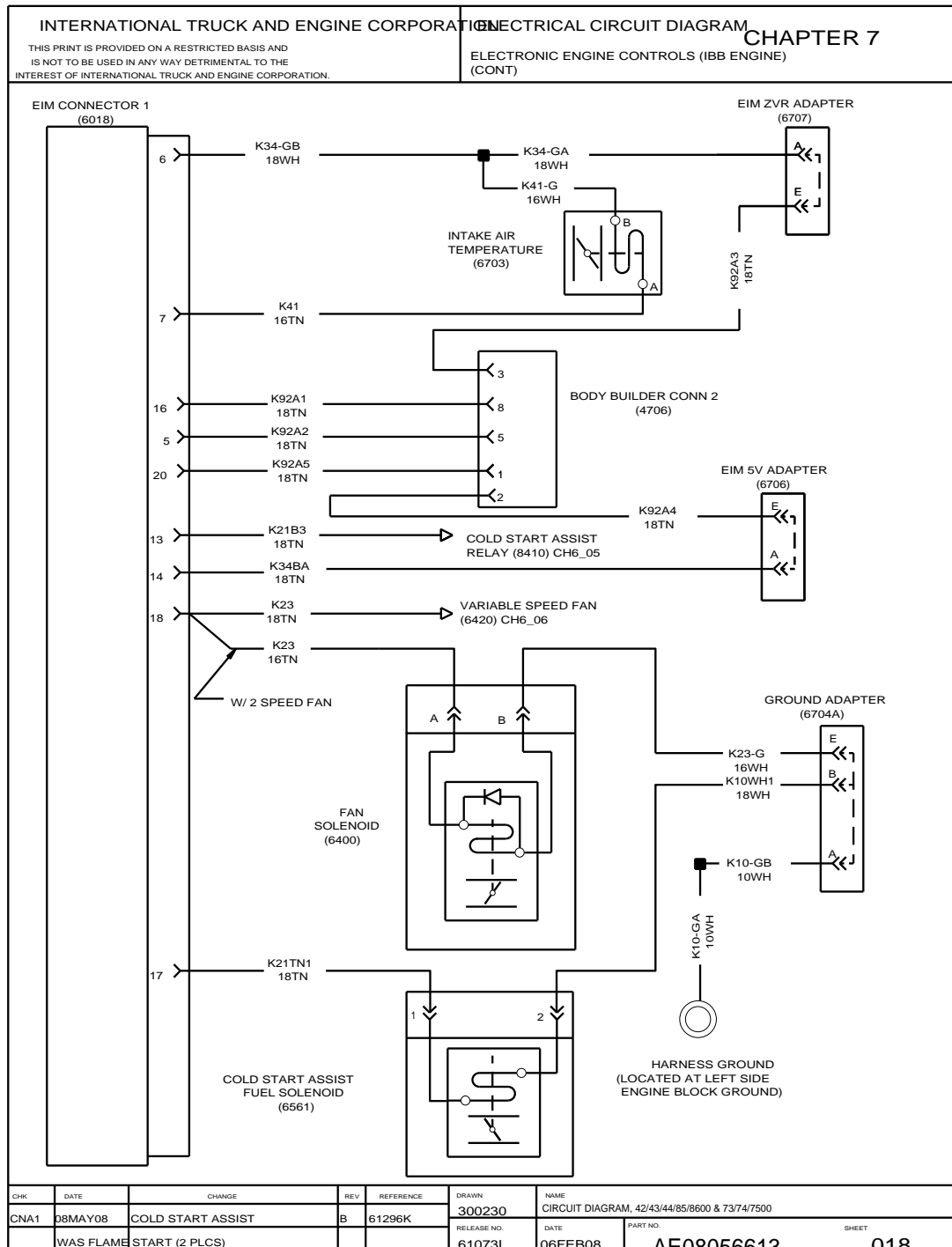
7.17. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 17



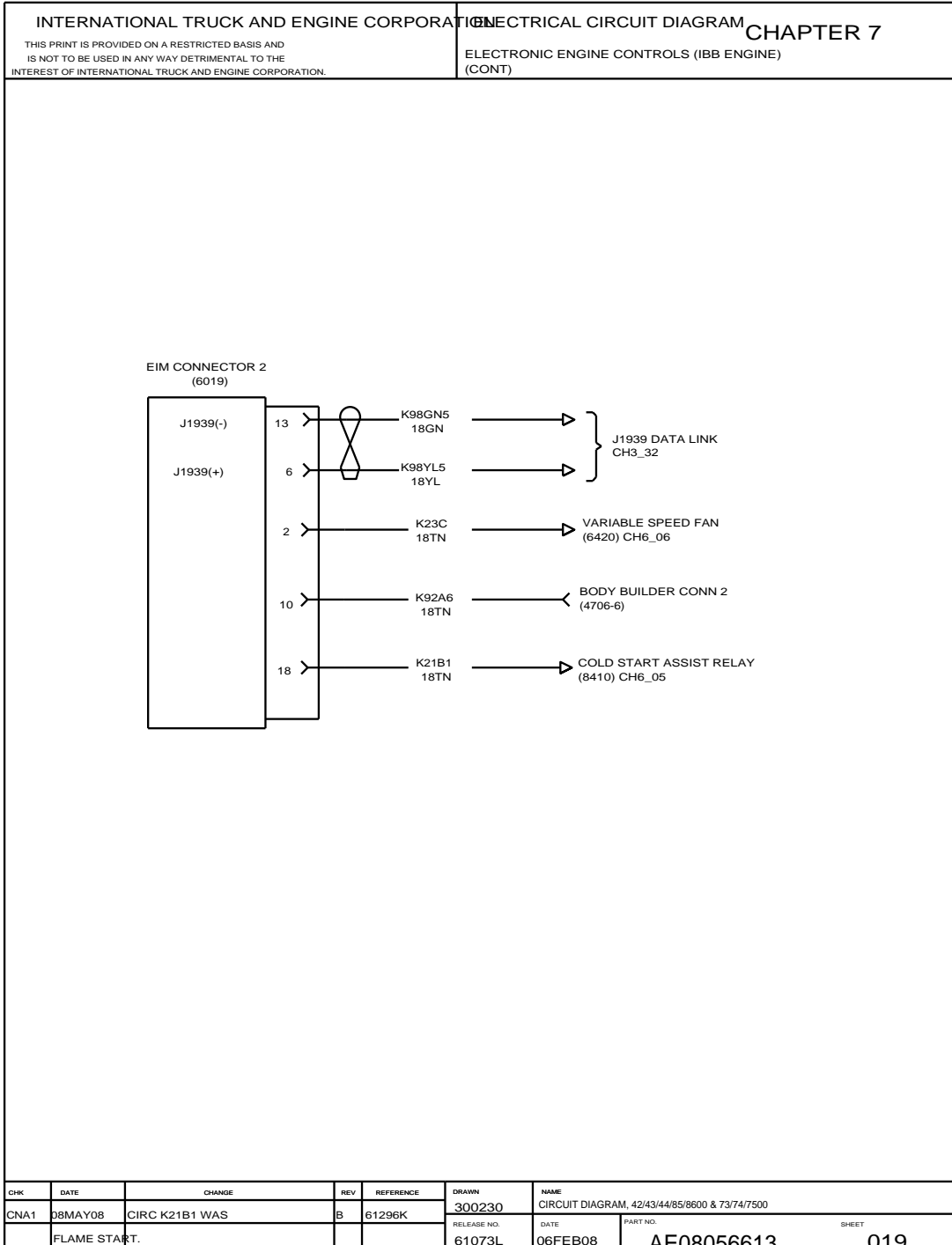
7.18. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 17A



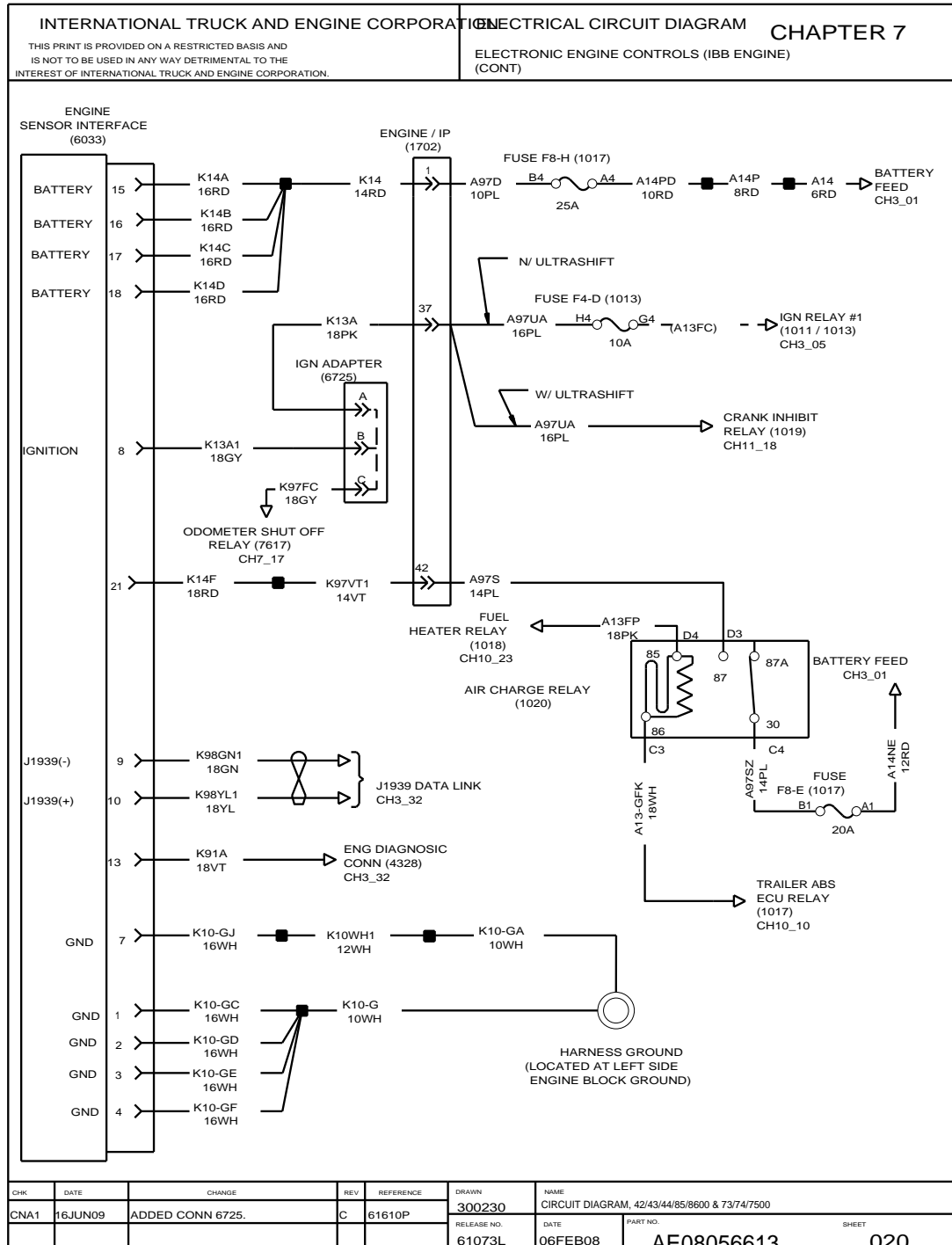
7.19. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 18



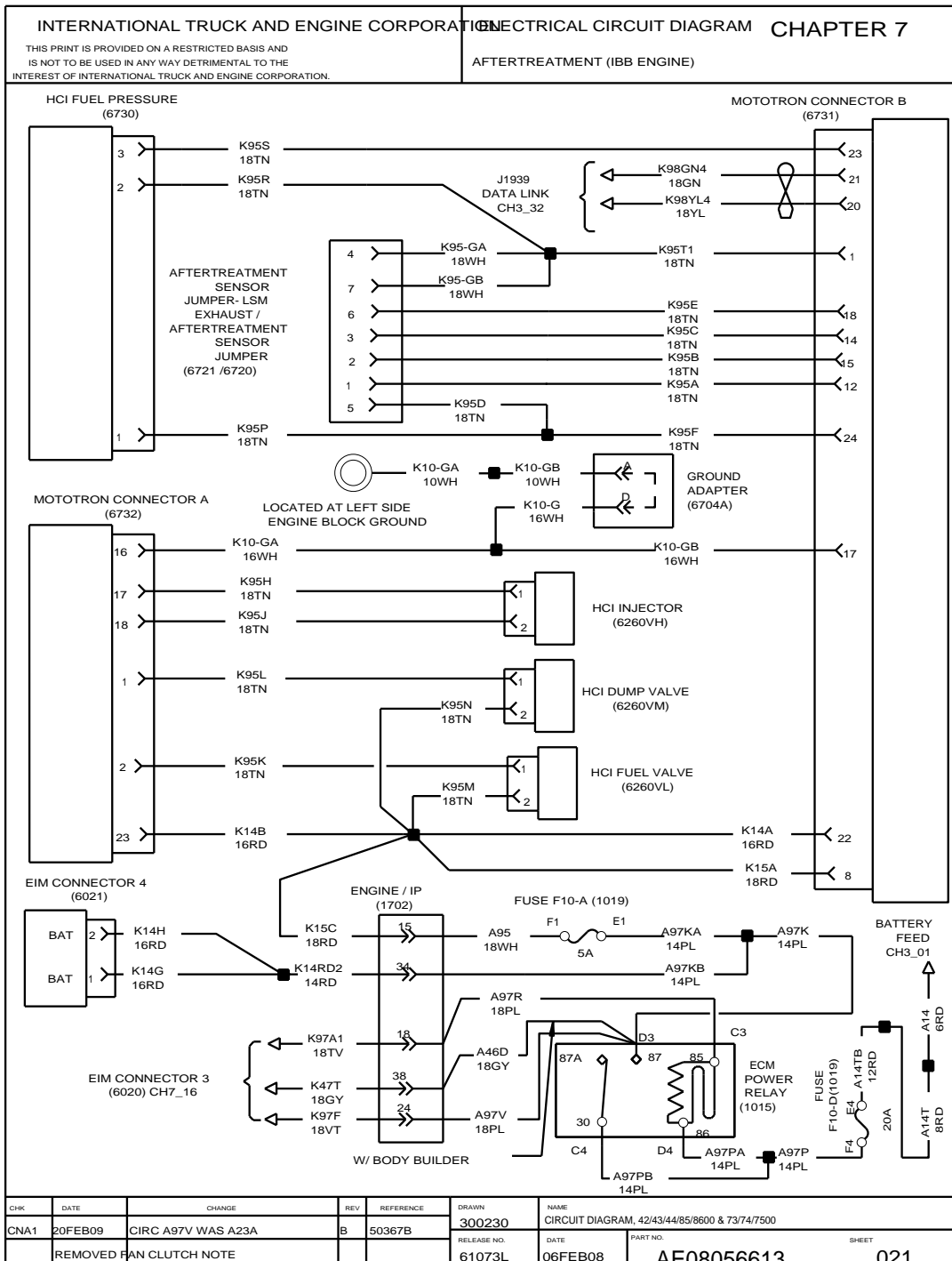
7.20. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 19



7.21. ELECTRONIC ENGINE CONTROLS (IBB ENGINE), P. 20

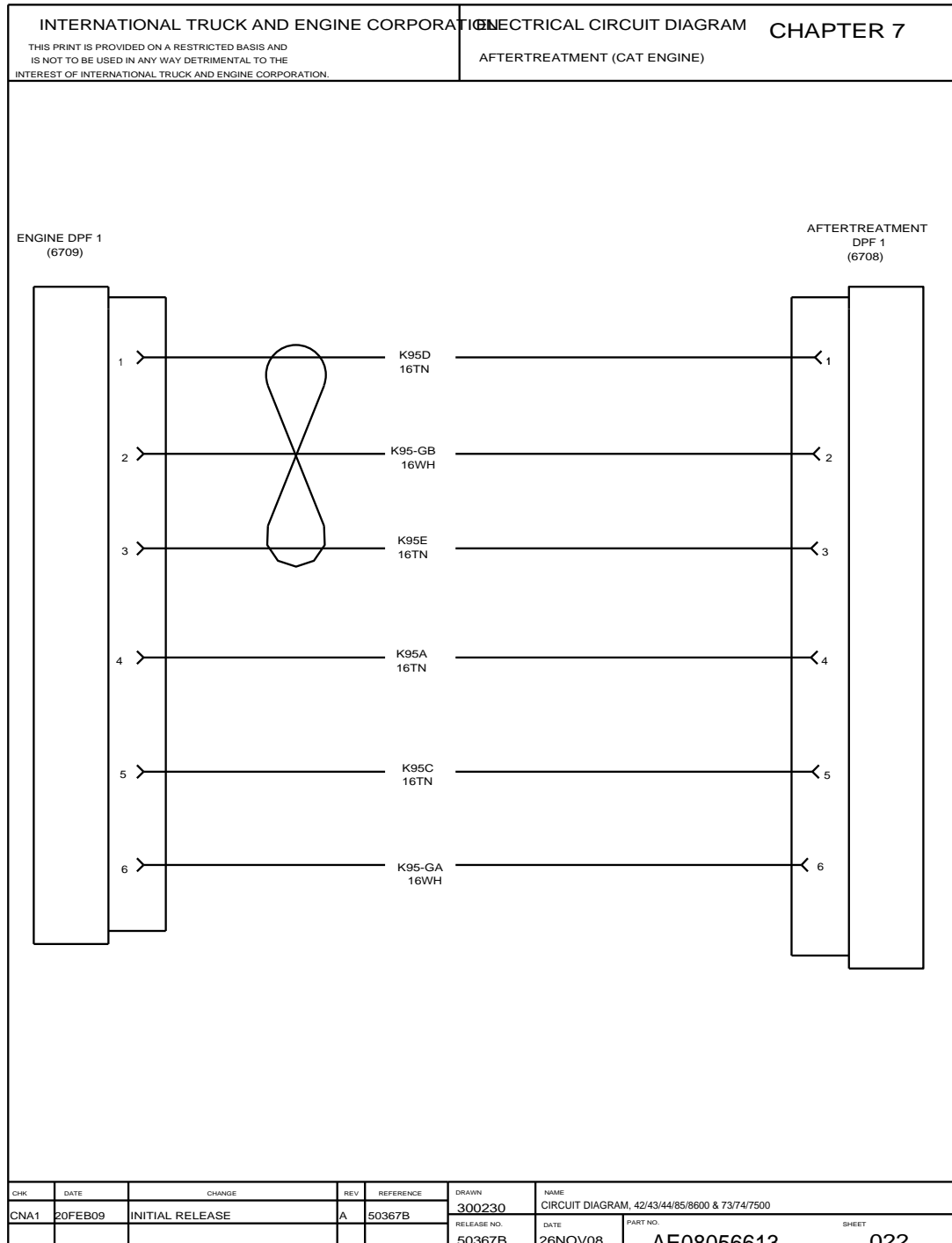


7.22. AFTERTREATMENT (IBB ENGINE), P. 21





7.23. AFTERTREATMENT (CAT ENGINE), P. 22



## 8. GAUGES WITH AND WITHOUT INTERNAL WARNING LIGHT (CHAPTER 8)

### 8.1. IP/GAUGES, P. 1

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 8</b> IP / GAUGES																																																					
INSTRUMENT PANEL GAUGES																																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">GAUGE</th> <th style="width: 10%;">WARN LIGHT</th> <th style="width: 55%;">SIGNAL PATH</th> <th style="width: 20%;">SENSOR LOCATION</th> </tr> </thead> <tbody> <tr> <td>RPM (TACH)</td> <td>NO</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>MPH/KPH (SPD)</td> <td>NO</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>TRANSMISSION</td> </tr> <tr> <td>FUEL</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>FUEL TANK</td> </tr> <tr> <td>VOLT</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>-</td> </tr> <tr> <td>AIR 1 (PRES)</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>INSIDE CAB-DASH PNL</td> </tr> <tr> <td>AIR 2 (PRES)</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>STEERING COL AREA</td> </tr> <tr> <td>WATER (TEMP)</td> <td>YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>ENG OIL (TEMP)</td> <td>YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>OIL (PRES)</td> <td>YES</td> <td>ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>ENGINE</td> </tr> <tr> <td>TRANS (TEMP)</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>TRANSMISSION</td> </tr> <tr> <td>AIR APPLICATION</td> <td>NO</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>FWD CHASSIS</td> </tr> <tr> <td>REAR AXLE TEMP</td> <td>YES</td> <td>SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER</td> <td>AXLE</td> </tr> </tbody> </table>				GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION	RPM (TACH)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	MPH/KPH (SPD)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION	FUEL	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL TANK	VOLT	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	-	AIR 1 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	INSIDE CAB-DASH PNL	AIR 2 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	STEERING COL AREA	WATER (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	ENG OIL (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	OIL (PRES)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE	TRANS (TEMP)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION	AIR APPLICATION	NO	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FWD CHASSIS	REAR AXLE TEMP	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	AXLE
GAUGE	WARN LIGHT	SIGNAL PATH	SENSOR LOCATION																																																				
RPM (TACH)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																				
MPH/KPH (SPD)	NO	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION																																																				
FUEL	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL TANK																																																				
VOLT	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	-																																																				
AIR 1 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	INSIDE CAB-DASH PNL																																																				
AIR 2 (PRES)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	STEERING COL AREA																																																				
WATER (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																				
ENG OIL (TEMP)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																				
OIL (PRES)	YES	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	ENGINE																																																				
TRANS (TEMP)	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION																																																				
AIR APPLICATION	NO	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FWD CHASSIS																																																				
REAR AXLE TEMP	YES	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	AXLE																																																				
NOTES: 1. WARNING LIGHTS ARE PART OF THE GAUGES AND LOCATED IN THE GAUGE																																																							
<small>CHK</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>																																																	
CNA	9MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																																	
					<small>RELEASE NO.</small>	<small>DATE</small>																																																	
					59974G	20APR06																																																	
					<small>PART NO.</small>	<small>SHEET</small>																																																	
					AE08-56614	01																																																	

Figure 126 IP/Gauges

8.2. WARNING LIGHT LIST, P. 2

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		WARNING LIGHTS LIST	
IP WARNING LIGHTS			
WARNING LIGHT TITLE	SIGNAL PATH	SENSOR LOCATION	
RANGE INHIBITED	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER		
FUEL FILTER	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER	
ENGINE (YELLOW LED)	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER		
ENGINE (RED LED)	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER		
BRAKE PRESSURE (O)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	SWITCH	
BRAKE FLUID	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	BRK RESERVOIR	
TRAC CTRL	TRUCK ABS CTRLR / DRIVE TRAIN J1939 / CLUSTER		
CHECK TRANS	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER		
TRAILER ABS	TRLR ABS CTRLR / DRIVE TRAIN J1939 / CLUSTER		
WASHER FLUID (LEFT TURN)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	WASHER BOTTLE TURN SIG SW	
AIR BAG	DISCRETE NOT ON DATA BUS		
WATER IN FUEL	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	FUEL FILTER	
COOLANT LEVEL	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER	SURGE TANK	
CHECK ELECT SYS	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
PARK (P)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER	SWITCH	
CRUISE	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
ABS	TRUCK CTRLR / DRIVE TRAIN J1939 / CLUSTER		
(RIGHT TURN)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
WAIT TO START	ENGINE CTRLR / DRIVE TRAIN J1939 / CLUSTER		
FASTEN BELTS	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
(HIGH BEAM IND)	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
COLD AMB PROTEC	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
RETARD OVERHEAT	TRANS CTRLR / DRIVE TRAIN J1939 / CLUSTER	TRANSMISSION	
CHECK AC	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
AUTO NEUTRAL	DISCRETE NOT ON DATA BUS	SWITCH	
ALTERNATOR	DISCRETE NOT ON DATA BUS		
PTO/THROTTLE	SYSTEM CTRLR / DRIVE TRAIN J1939 / CLUSTER		
OPTIMIZED IDLE	DISCRETE NOT ON DATA BUS		
SNOW VALVE	DISCRETE NOT ON DATA BUS	SNOW VALVE	
FR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	FWD RR AXLE	
RR AXLE DIFF LOCK	DISCRETE NOT ON DATA BUS	RR RR AXLE	
MESSAGE WAIT	DISCRETE NOT ON DATA BUS		
PTO	DISCRETE NOT ON DATA BUS		
CONVERTER TEMP	DISCRETE NOT ON DATA BUS		
TOUCH LOC RELEASE	DISCRETE NOT ON DATA BUS		
PARK FLUID	SYSTEM CTRLR/DRIVE TRAIN		
FR AXLE ENGAGED	DISCRETE NOT ON DATA BUS	TRANSFER CASE	
CHR	DATE	CHANGE	REV REFERENCE
CNA	05MAY07	REVISED & REDRAWN	A 60782A
DRAWN		U00K640	
NAME		42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
RELEASE NO.	DATE	PART NO.	SHEET
59974G	20APR06	AE08-56614	02

Figure 127 Warning Light List

**8.3. WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER, P. 3**

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>				<b>ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 8</b> <b>WARNING LIGHTS CONTROLLED BY ENGINE, TRANSMISSION, ABS CONTROLLER</b>			
<p style="text-align: center;">THE FOLLOWING WARNING LIGHTS ARE CONTROLLED BY THE ENGINE, TRANSMISSION, OR ABS CONTROLLER OVER THE DATA BUS AND DO NOT HAVE INDEPENDENT CIRCUITS THAT CAN BE OR NEEDS TO BE SHOWN:</p> <p>DO NOT SHIFT</p> <p>ENGINE (YELLOW LENS)</p> <p>ENGINE (RED LENS)</p> <p>TRAC CTRL</p> <p>CHECK TRANS</p> <p>TRAILER ABS</p> <p>CHECK ELECTR SYS</p> <p>ABS</p> <p>WAIT TO START</p> <p>RETARD OVERHEAT</p> <p>AUTO NEUTRAL</p> <p>OPTIMIZED IDLE</p>							
<small>CHK</small>	<small>DATE</small>	<small>CHANGE</small>	<small>REV</small>	<small>REFERENCE</small>	<small>DRAWN</small>	<small>NAME</small>	
CNA	05MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					<small>RELEASE NO.</small>	<small>DATE</small>	
					59974G	20APR06	
					<small>PART NO.</small>	<small>SHEET</small>	
					AE08-56614	03	

**Figure 128    Warning Lights Controlled by Engine, Transmission, ABS Controller**

**8.4. ENGINE OIL PRESSURE AND TEMP, SPEEDOMETER, TACHOMETER, VOLTMETER AND WATER TEMP GAUGE CIRCUITS, P. 4**

<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				<b>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 8</b> ENG OIL PRESS & TEMP, SPEEDOMETER, TACH, VOLTMETER & WATER TEMP GAUGE CIRCUITS			
REFER TO CONSOLIDATED ENGINE / VEHICLE CONTROLLER DIAGNOSTICS MANUAL EGES-175 (DT466E), EGES-190 (T444E), FOR CIRCUIT DIAGRAMS SHOWING INPUT CIRCUIT FOR THE FOLLOWING DATALINK DRIVEN SYSTEM:  ENGINE OIL PRESSURE GAUGE ENGINE OIL TEMPERATURE GAUGE SPEEDOMETER GAUGE TACHOMETER GAUGE WATER TEMPERATURE GAUGE							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA	05MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	
					59974G	20APR06	
					PART NO.	SHEET	
					AE08-56614	04	

**Figure 129 Engine Oil Pressure and Temp, Speedometer, Tachometer, Voltmeter and Water Temp Gauge Circuits**

8.5. IP/GAUGES AND WARNING LIGHTS — GAUGE CLUSTER, P. 5

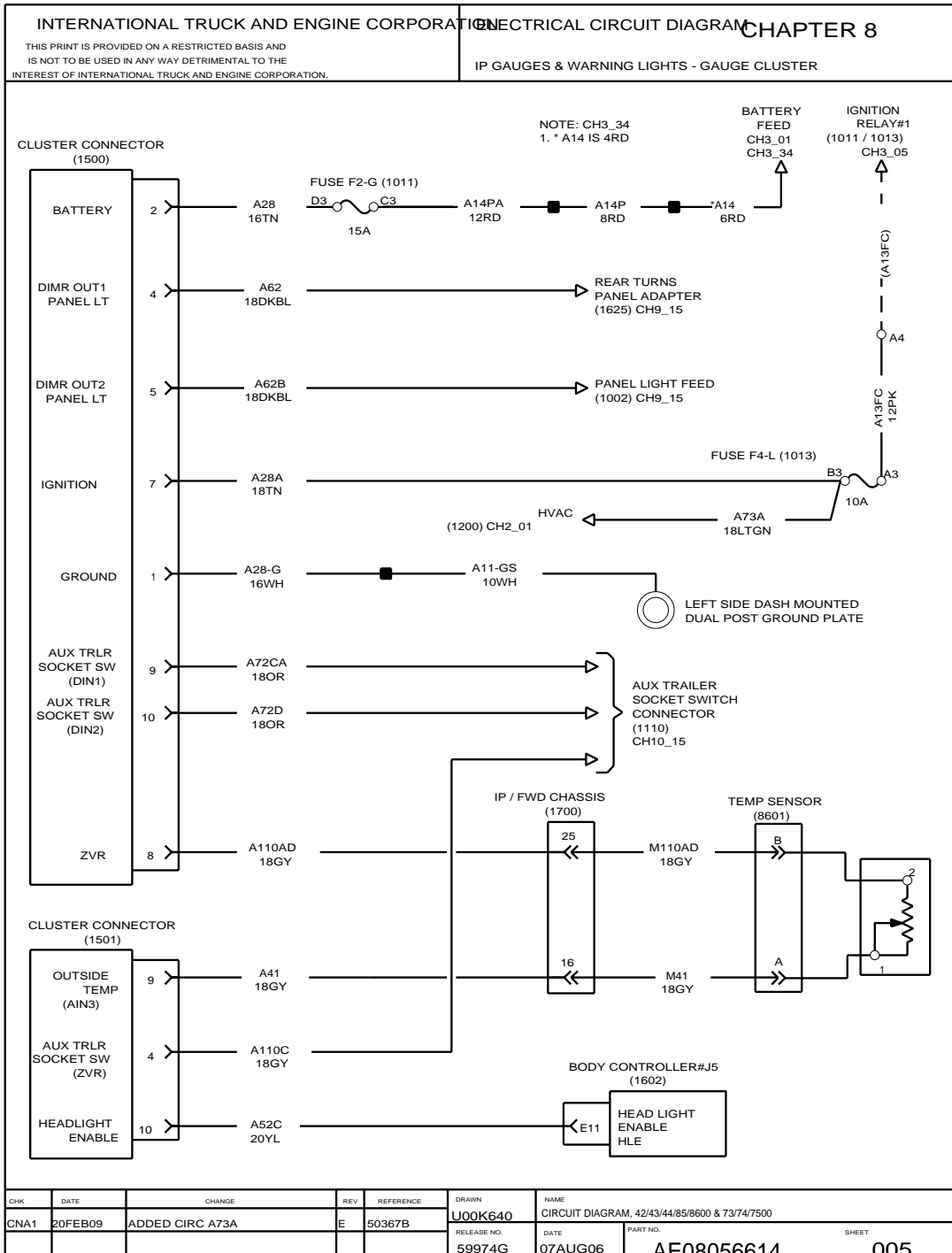


Figure 130 IP/Gauges and Warning Lights — Gauge Cluster

8.6. AIR PRESSURE INPUT CIRCUIT, P. 6

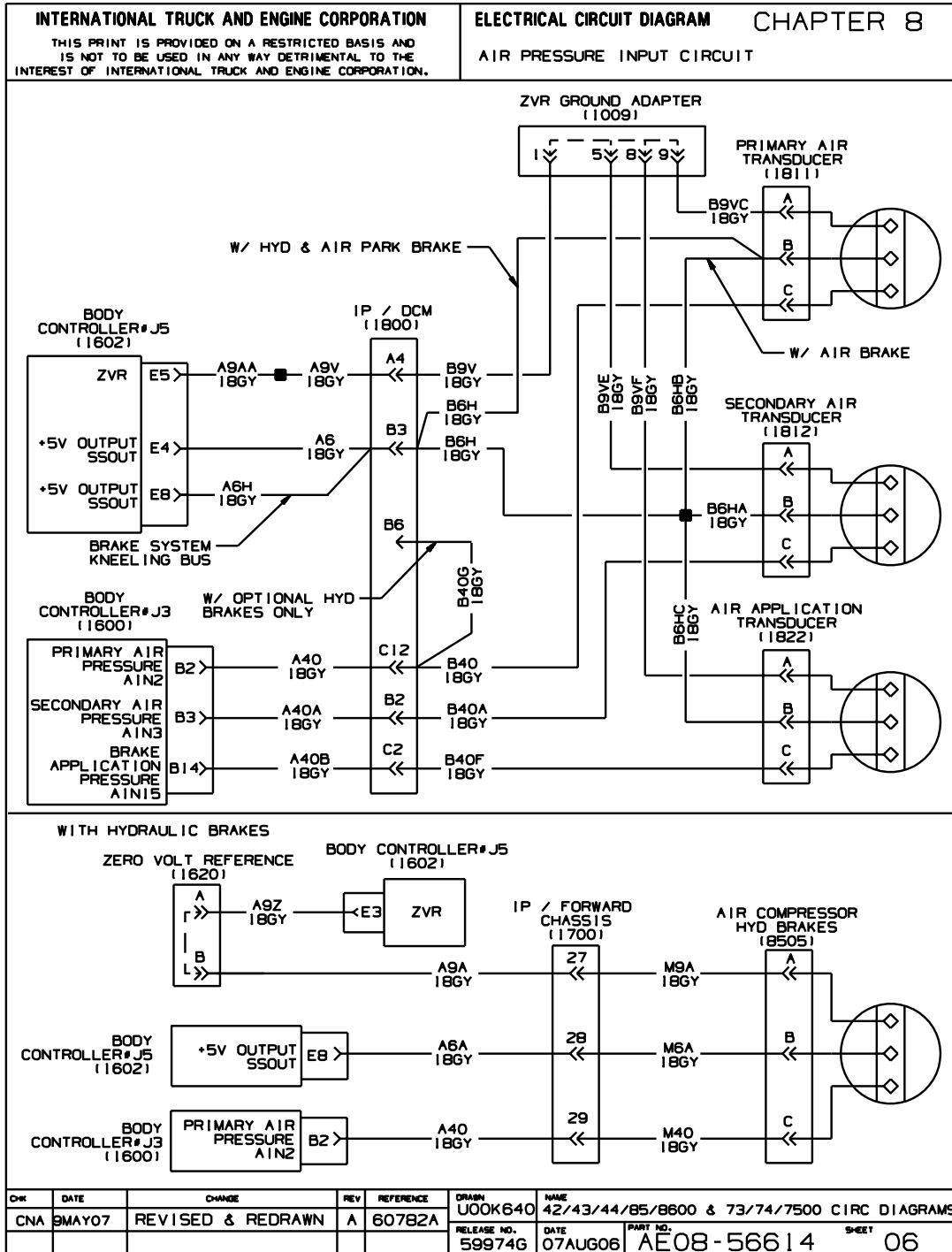


Figure 131 Air Pressure Input Circuit

8.7. AXLE TEMPERATURE, GAUGE INPUT CIRCUIT, P. 7

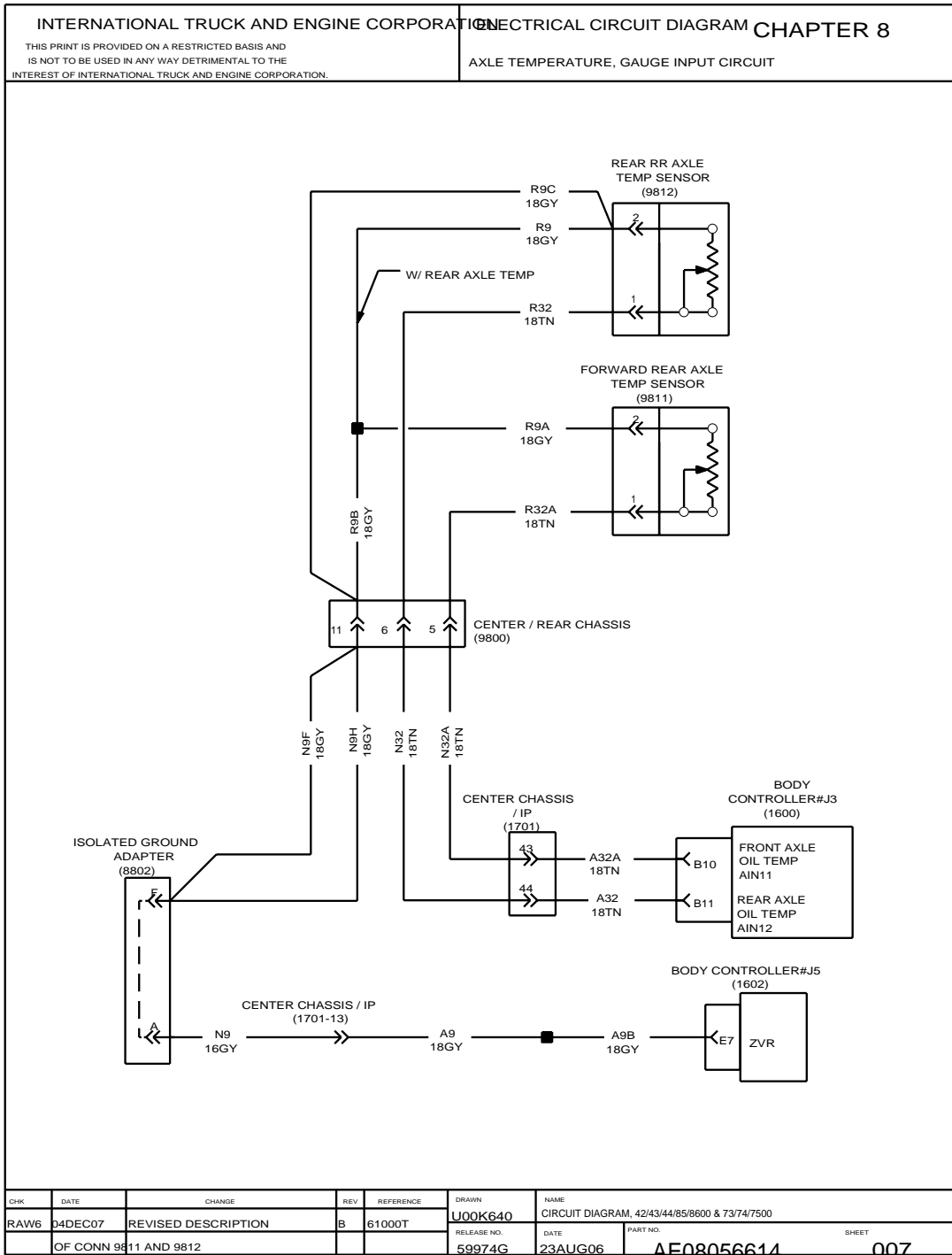


Figure 132 Axle Temperature, Gauge Input Circuit



8.8. FUEL GAUGE CIRCUITRY (SINGLE TANK), P. 8

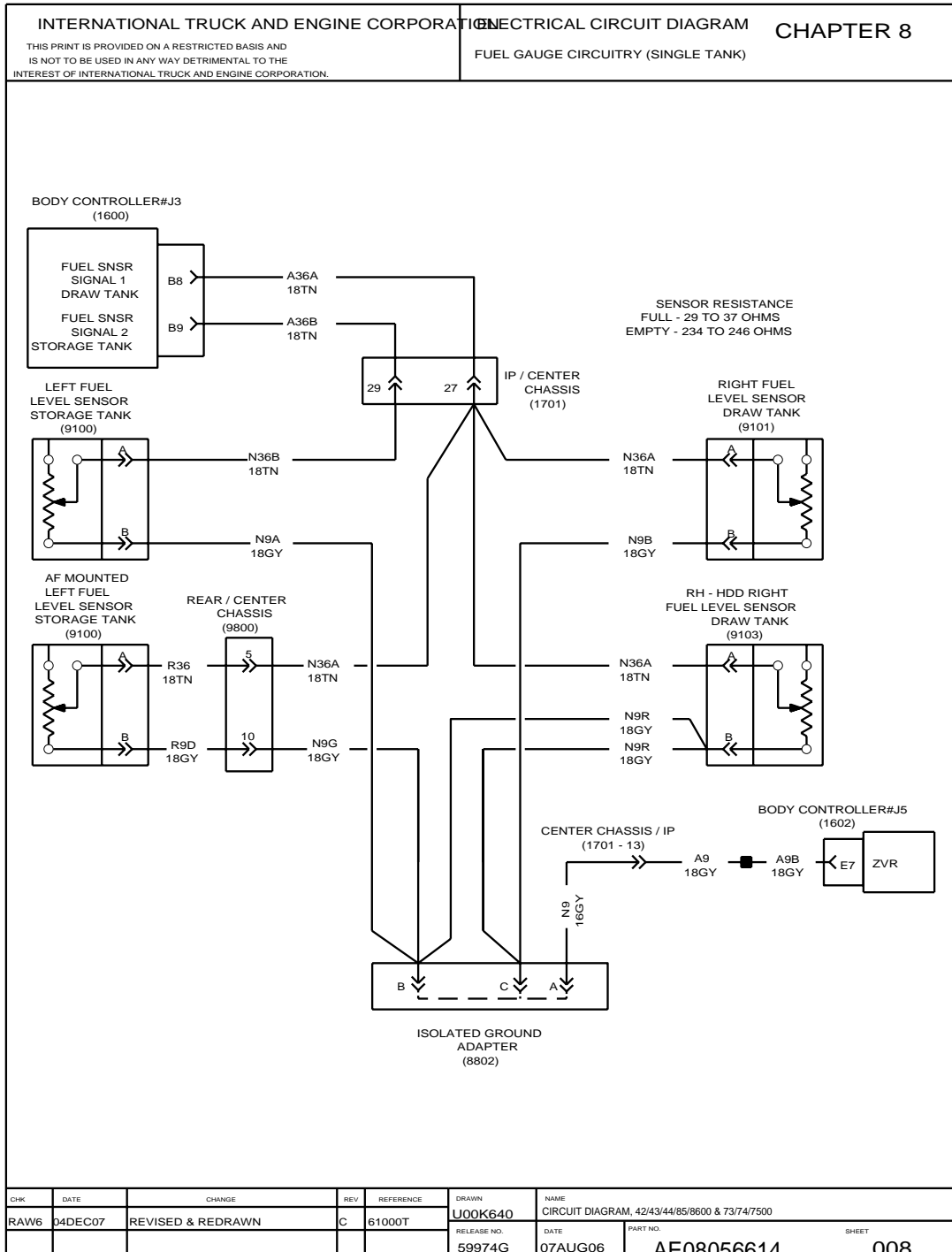


Figure 133 Fuel Gauge Circuitry (Single Tank)

8.9. DIFFERENTIAL LOCK WARNING LAMPS, P. 9

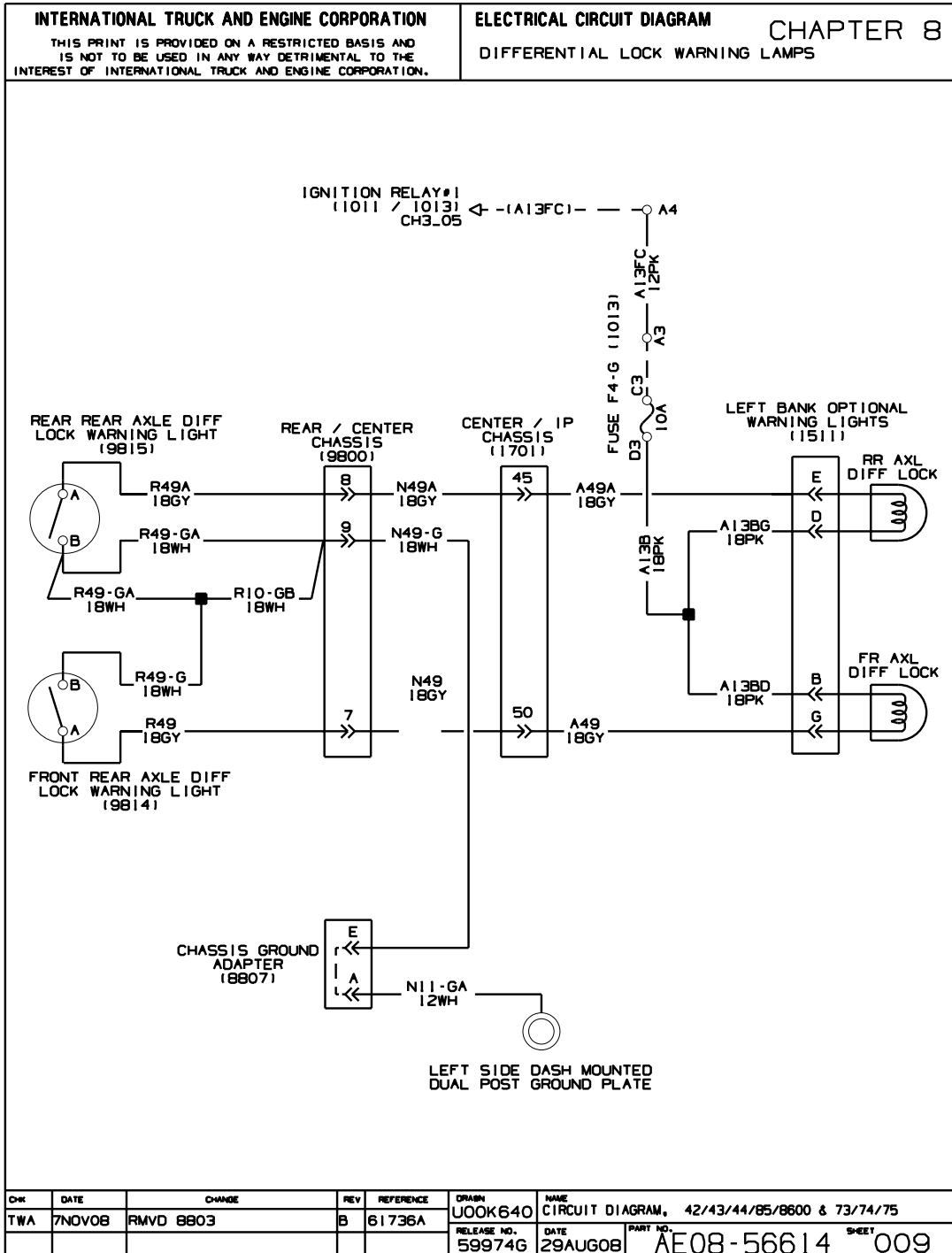


Figure 134 Differential Lock Warning Lamps

8.10. PARK BRAKE SWITCH HYDRAULIC, P. 9A

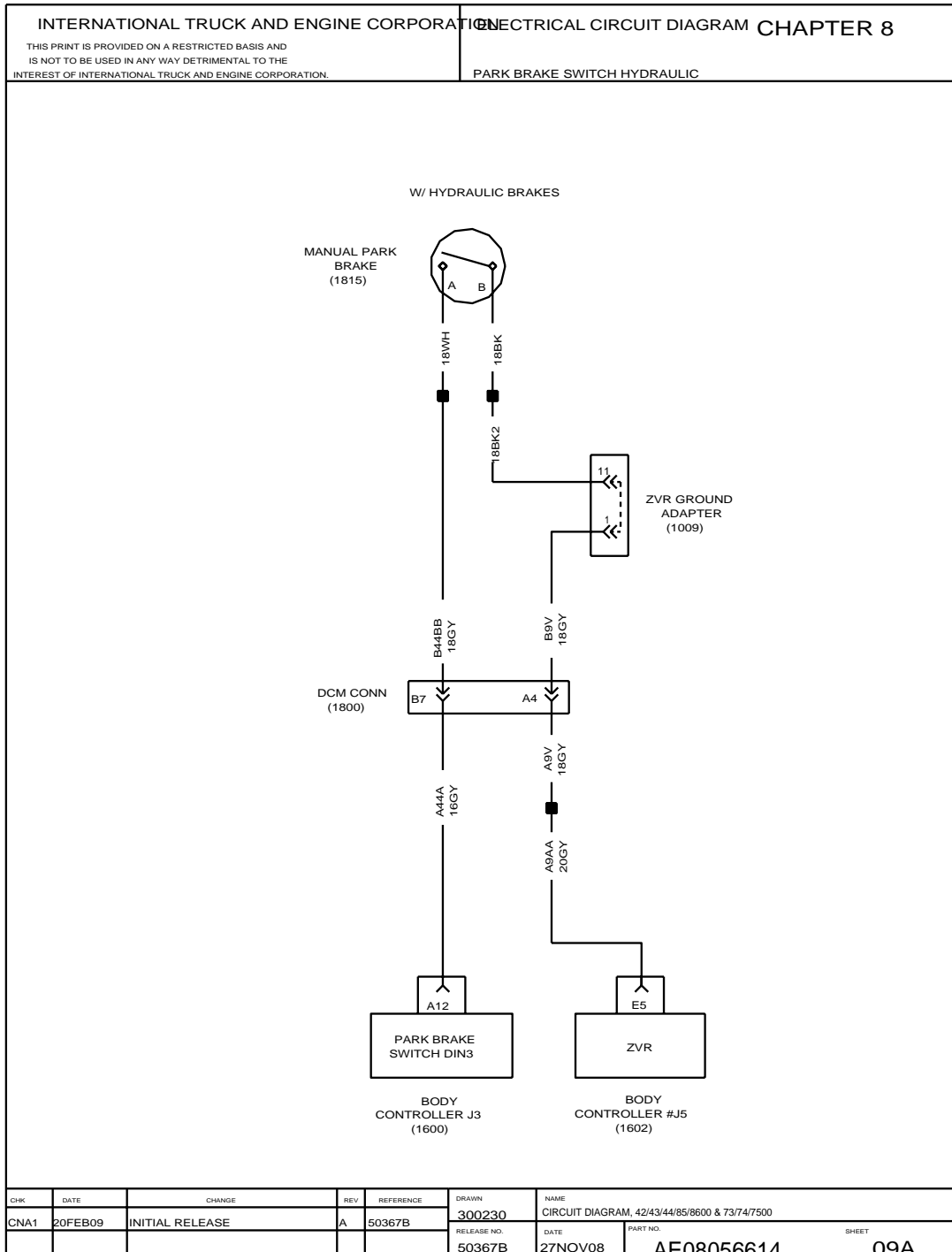


Figure 135 Park Brake Switch Hydraulic

8.11. AIR PARK BRAKE AND MANUAL TRANSMISSION OIL TEMP GAUGE, P. 10

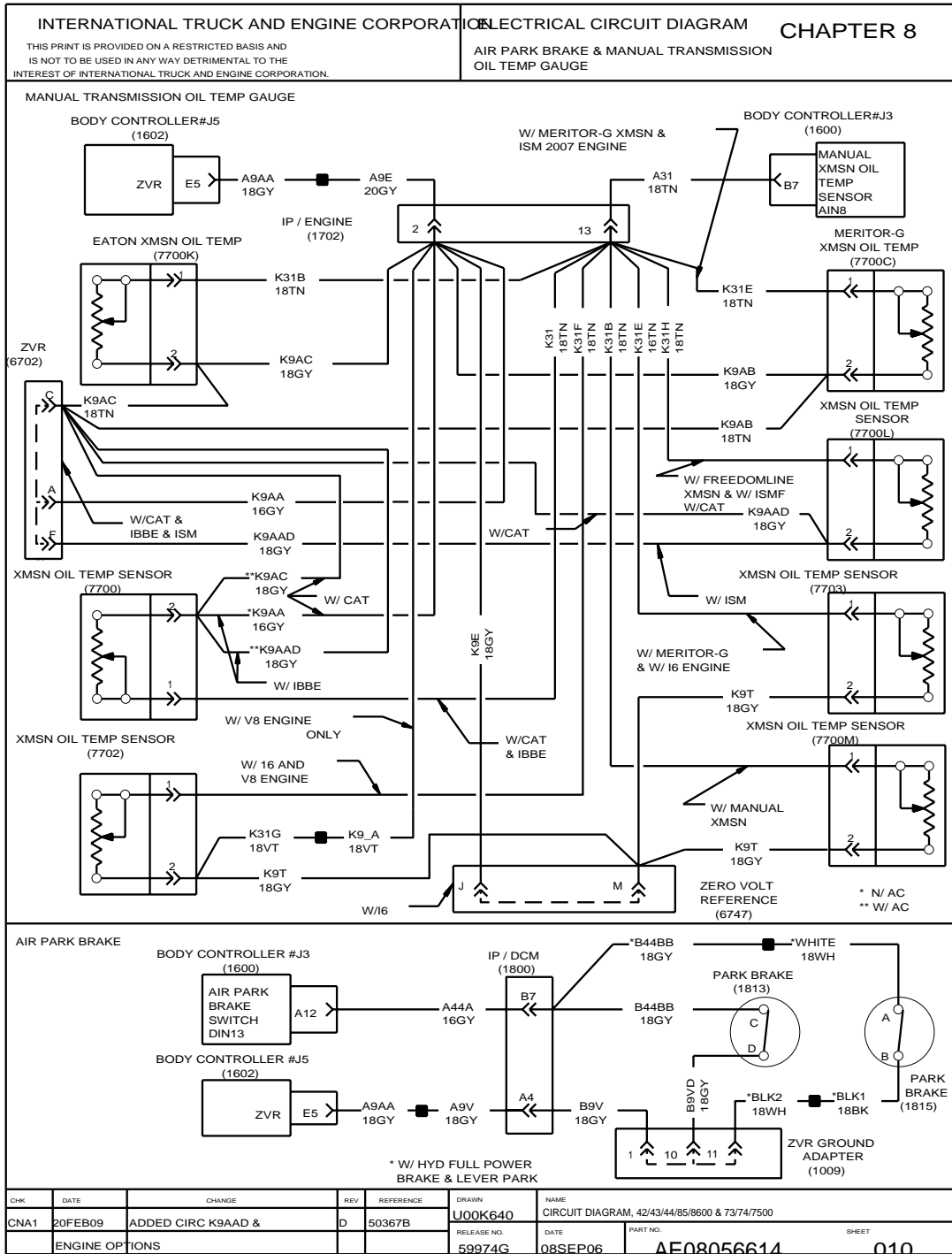


Figure 136 Air Park Brake and Manual Transmission Oil Temp Gauge

8.12. FREEDOMLINE TRANSMISSION OIL TEMP GAUGE AND SURGE PUMP, P. 10A

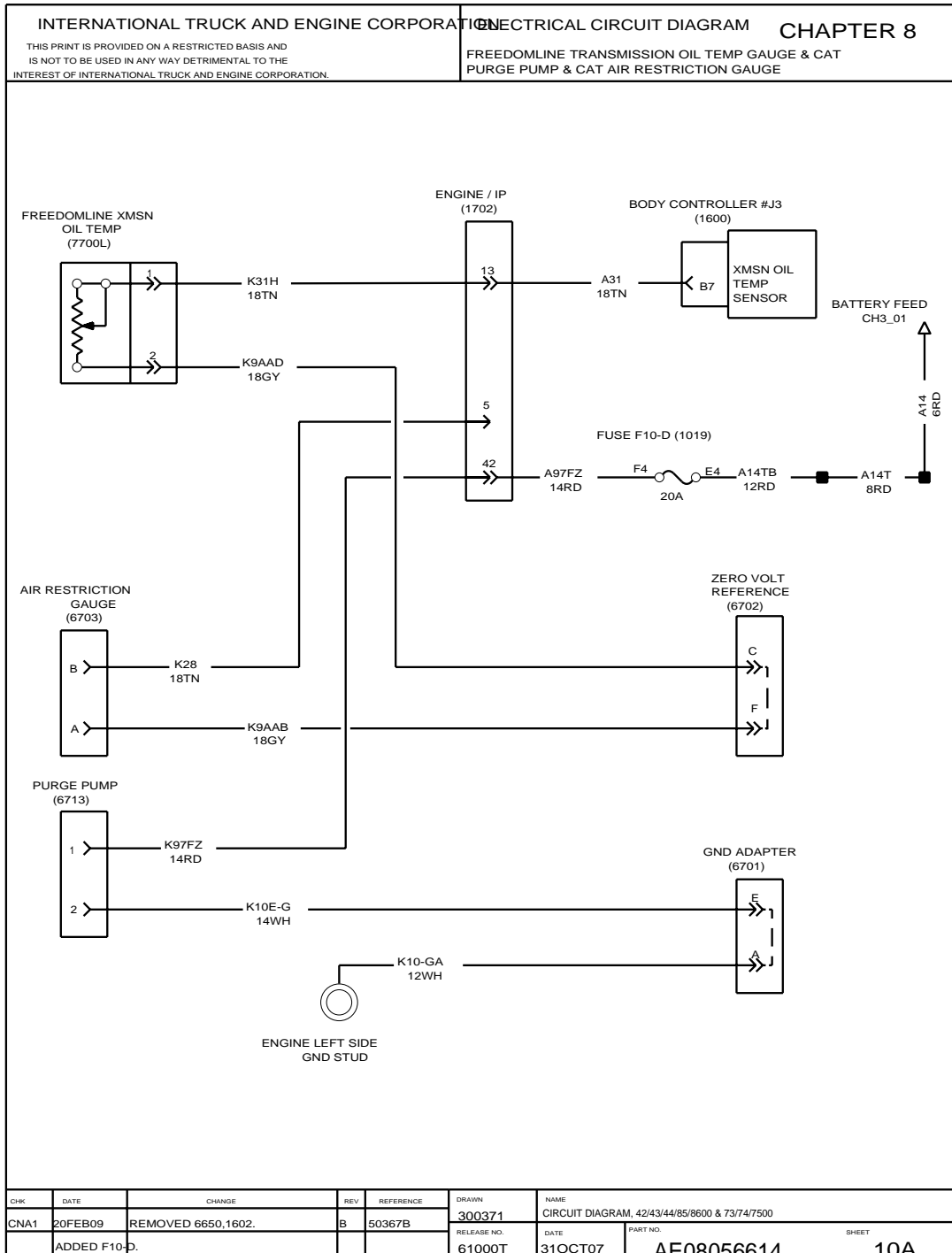


Figure 137 Freedomline Transmission Oil Temp Gauge and Surge Pump

8.13. GAUGES AND WARNING LIGHTS — AMMETER, P. 11

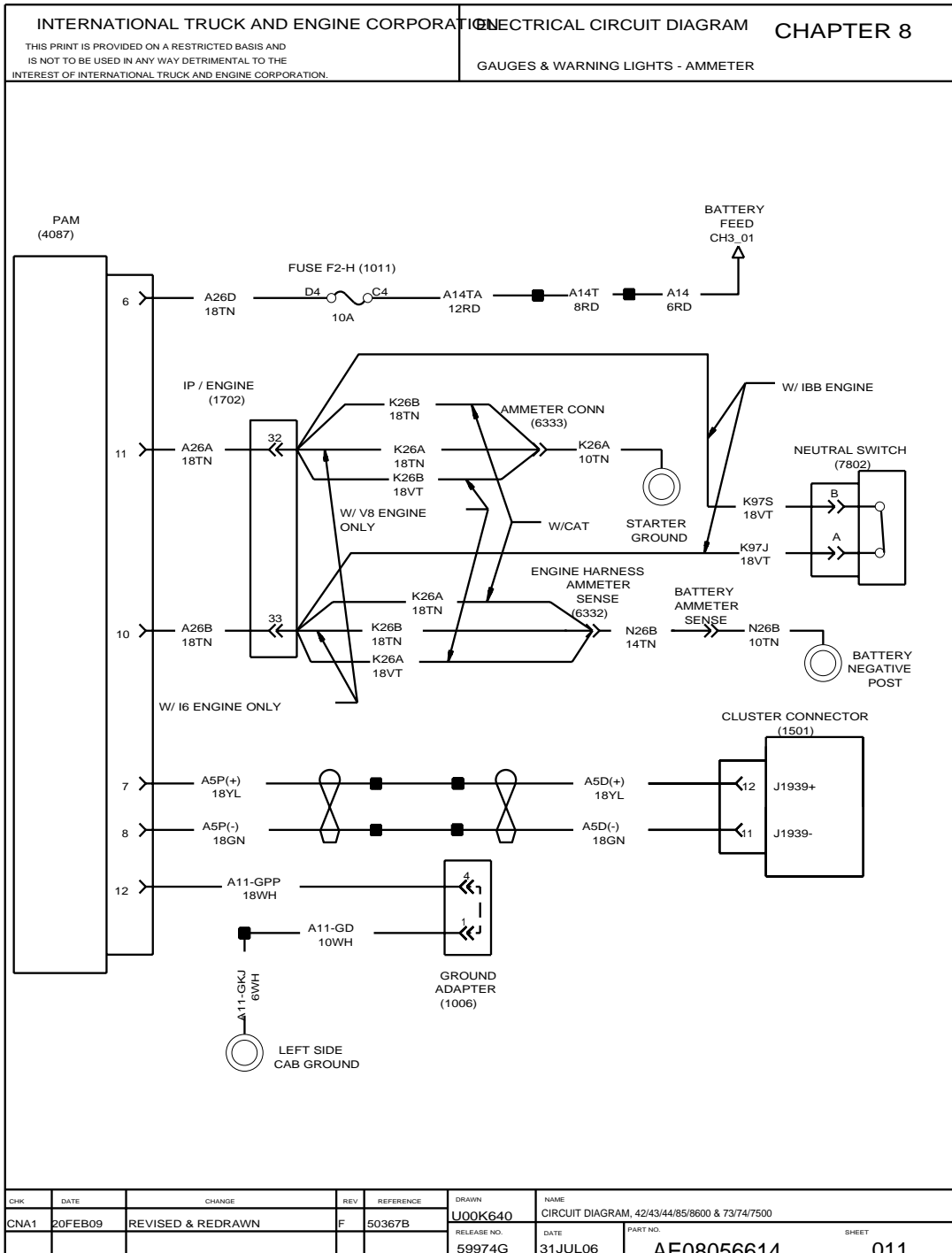


Figure 138 Gauges and Warning Lights — Ammeter

8.14. ENGINE OIL TEMPERATURE GAUGE WITH CATERPILLAR, P. 12

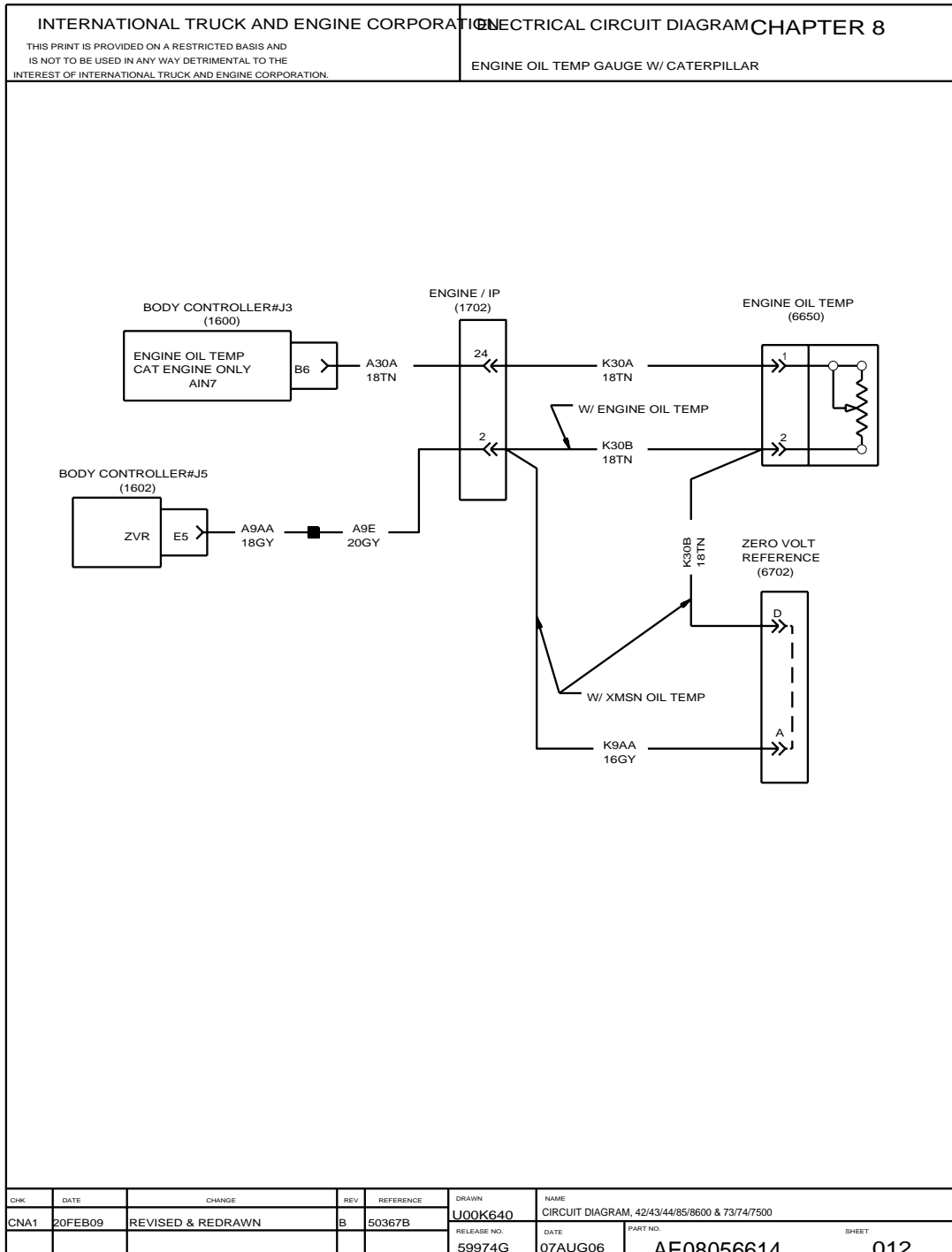


Figure 139 Engine Oil Temperature Gauge With Caterpillar

8.15. FRONT AXLE ENGAGEMENT LAMP, P. 13

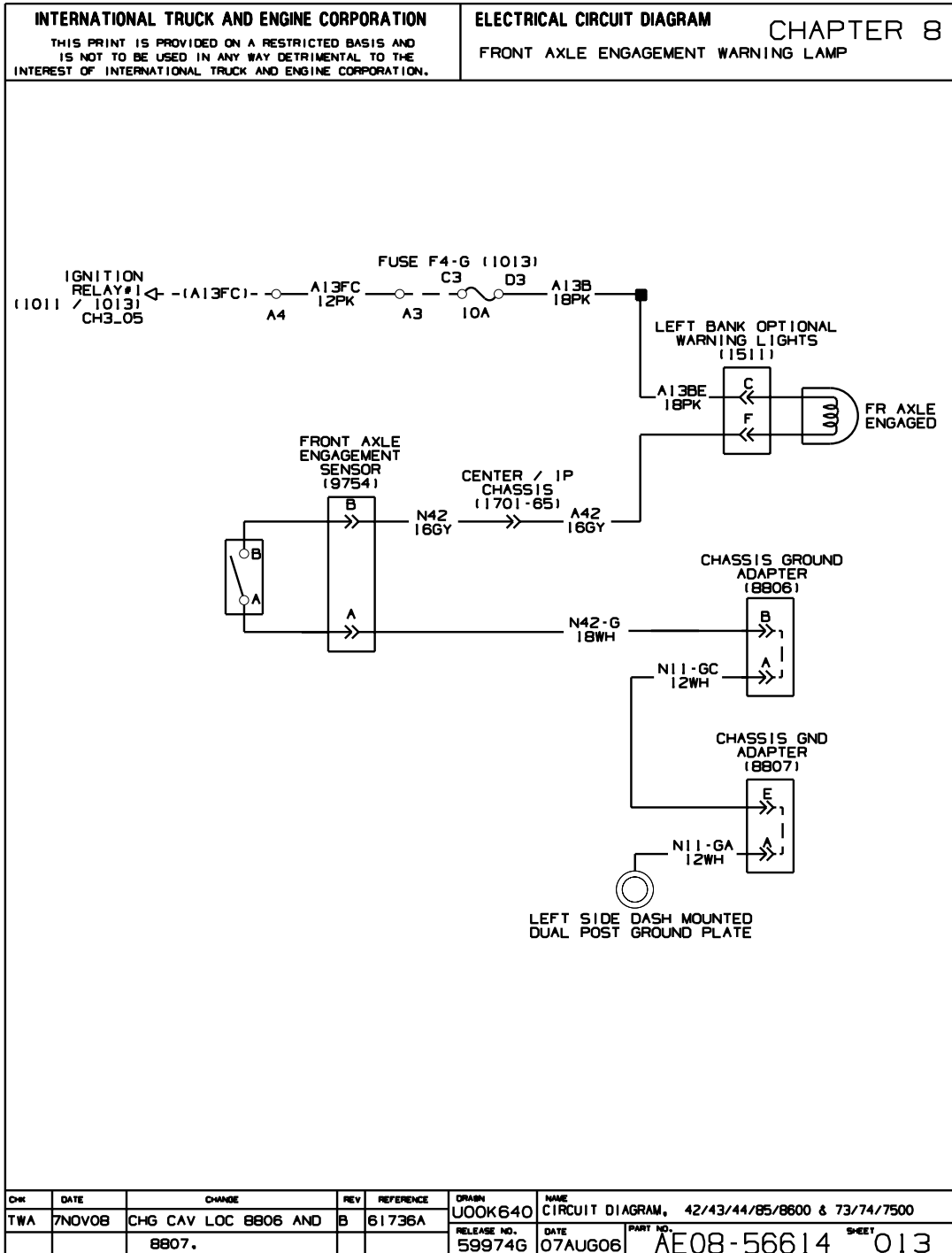


Figure 140 Front Axle Engagement Lamp



8.16. WARNING LIGHTS – RIGHT BANK — OPTIONAL, P. 14

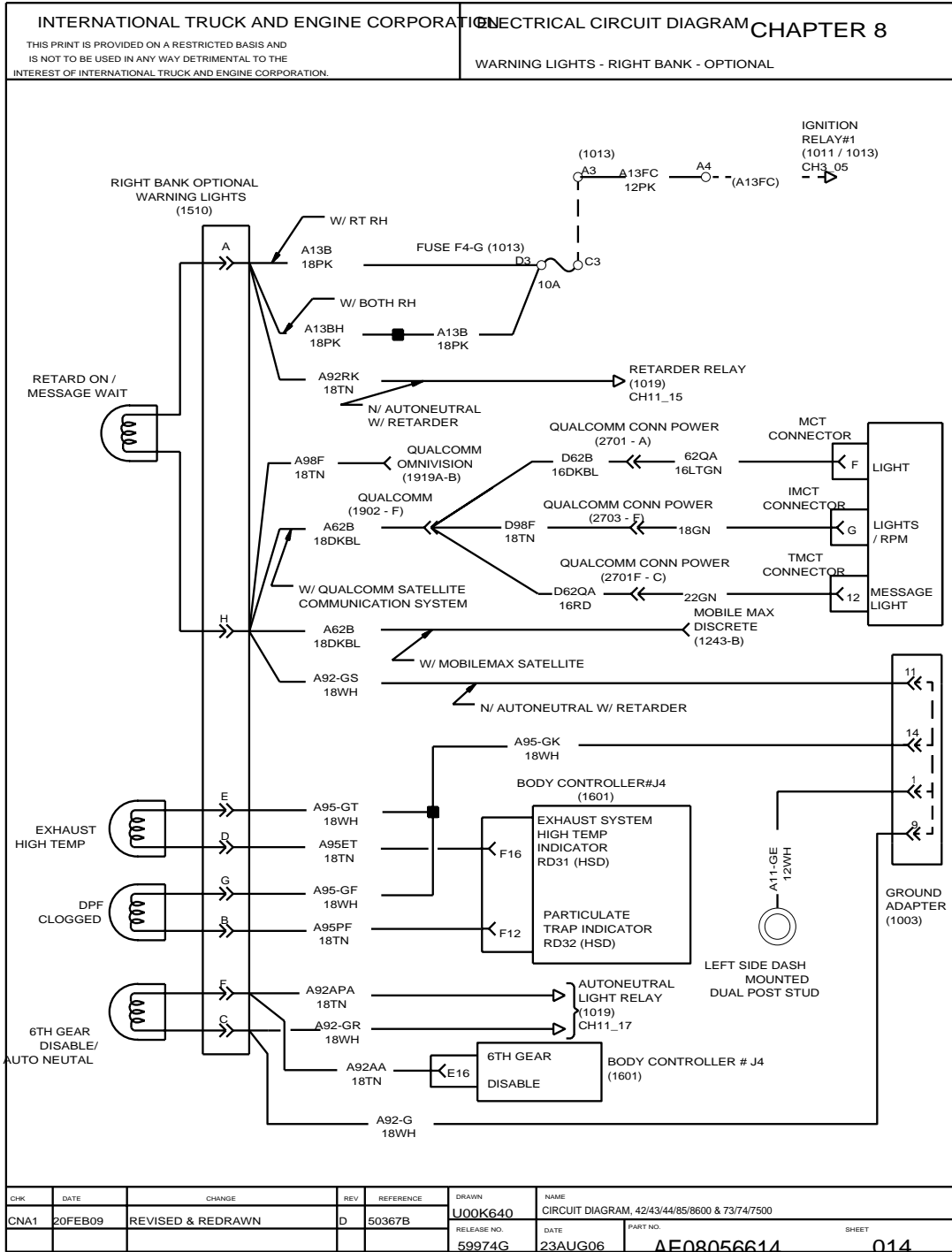


Figure 141 Warning Lights – Right Bank — Optional

8.17. WARNING LIGHTS — LEFT BANK — OPTIONAL, P. 15

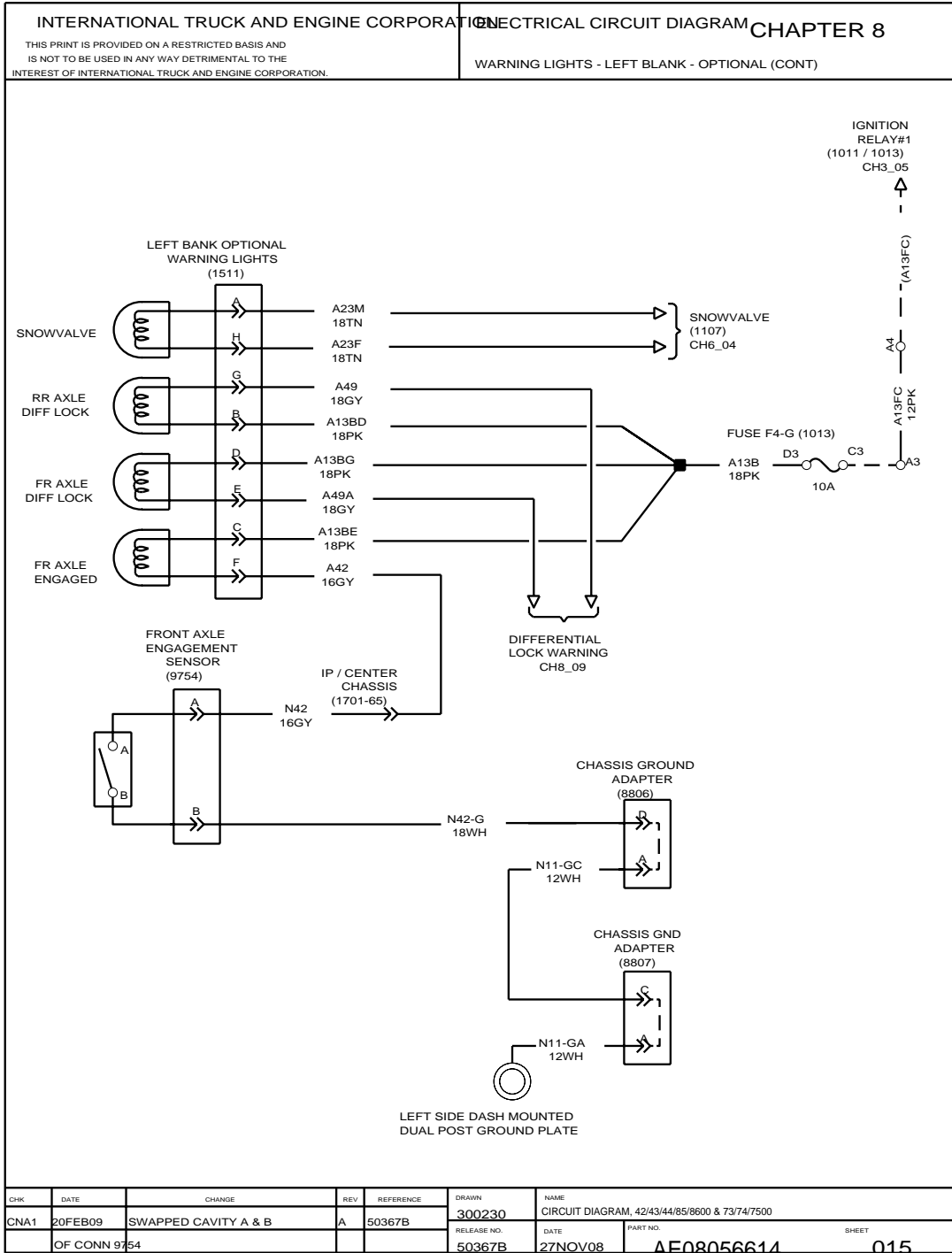


Figure 142 Warning Lights — Left Bank — Optional

8.18. LOAD MONITORING, P. 16

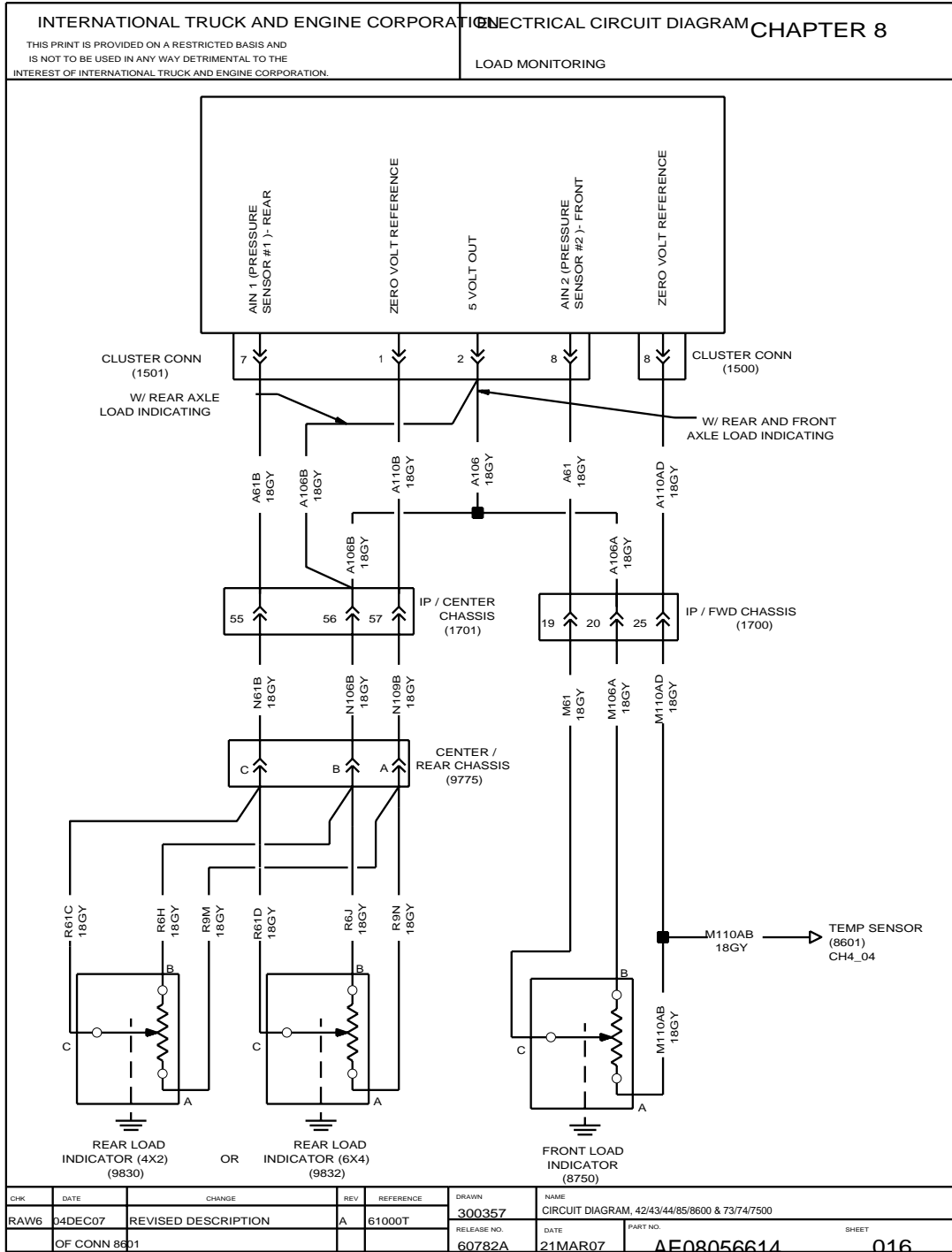


Figure 143 Load Monitoring

## 9. LIGHTS (CHAPTER 9)

### 9.1. BACK-UP LIGHTS N/ ALLISON TRANSMISSION, P. 1

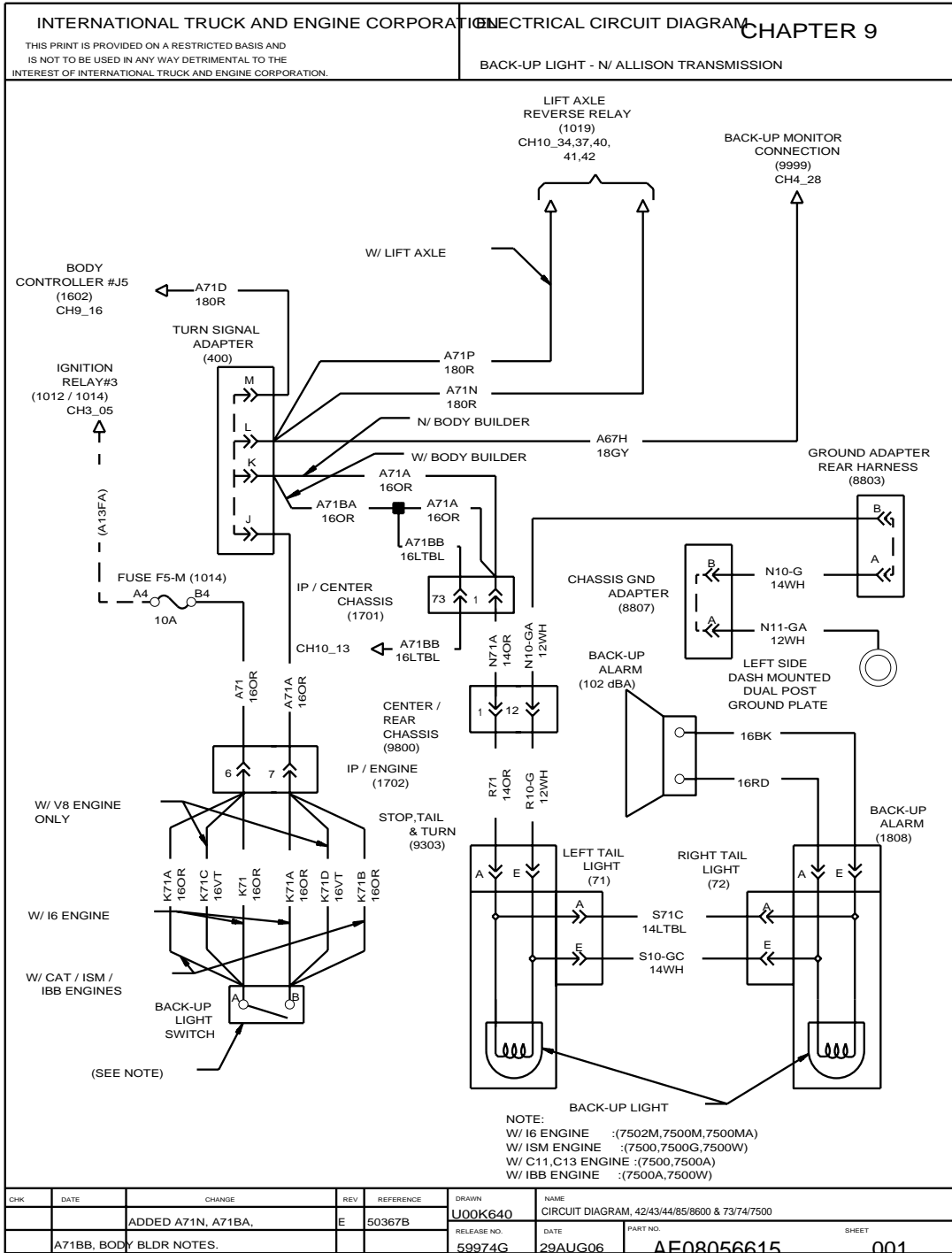


Figure 144 Back-Up Lights N/ Allison Transmission

9.2. BACK-UP LIGHTS W/ ALLISON TRANSMISSION, P. 2

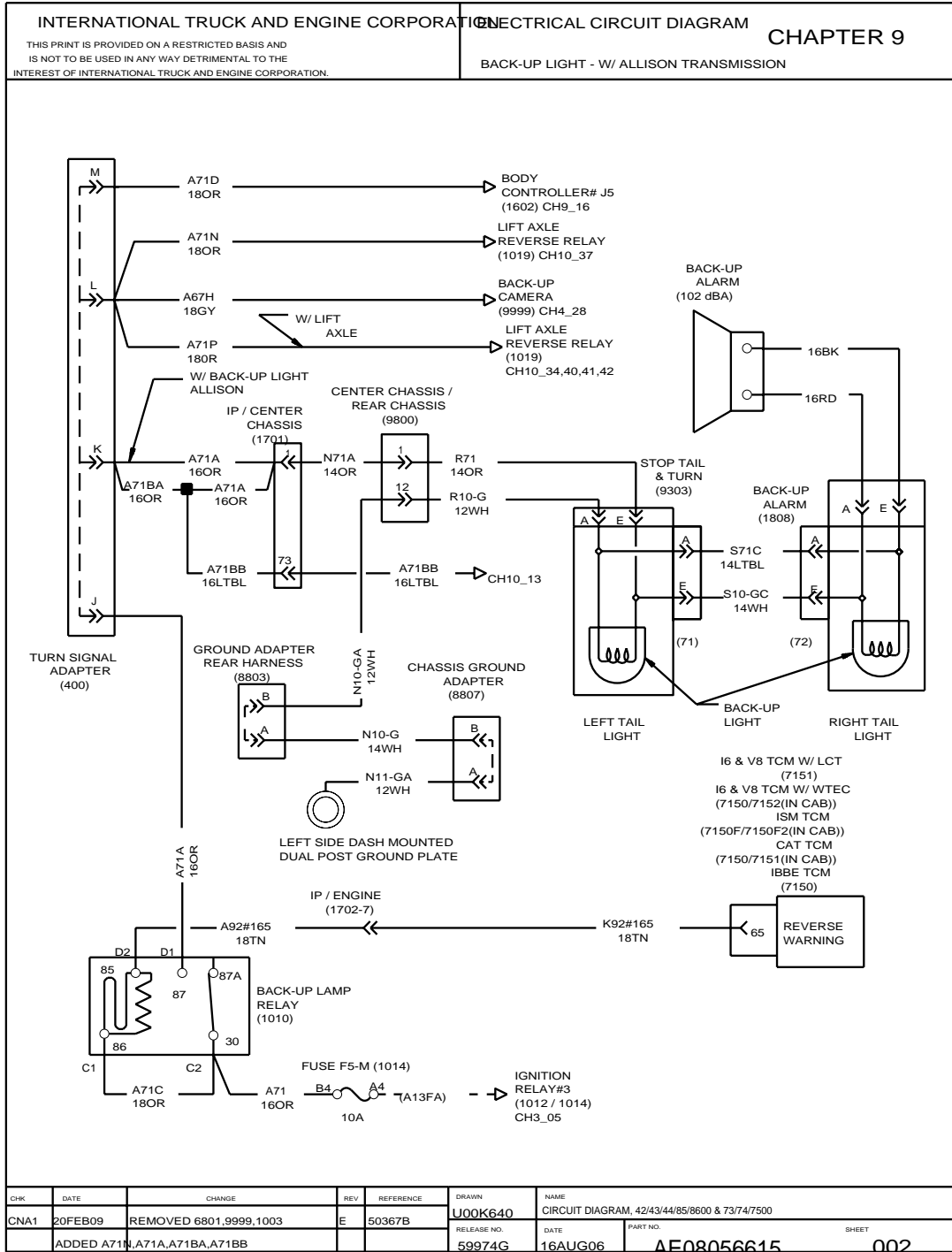


Figure 145 Back-Up Lights W/ Allison Transmission

9.3. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS, P. 3

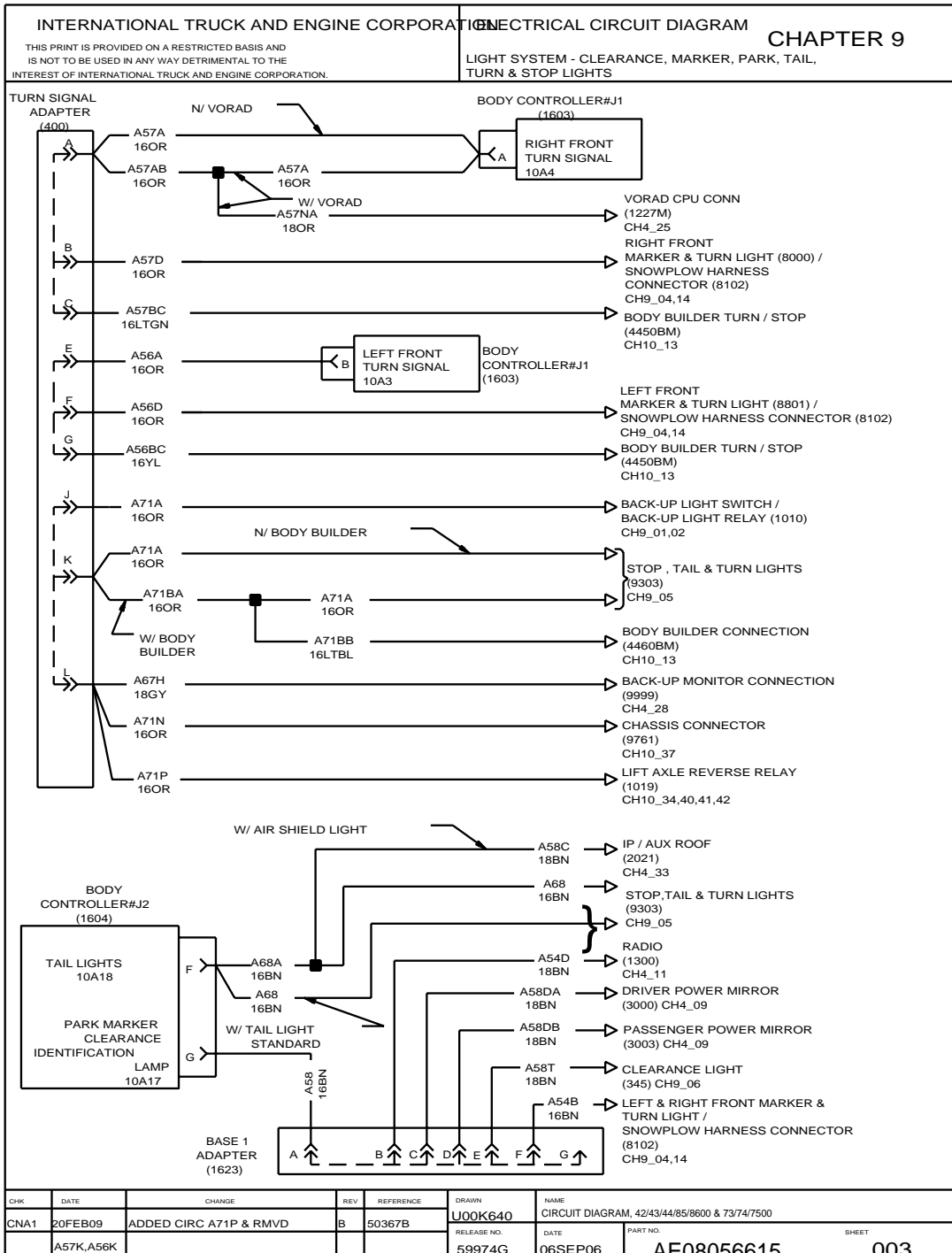


Figure 146 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights

9.4. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 4

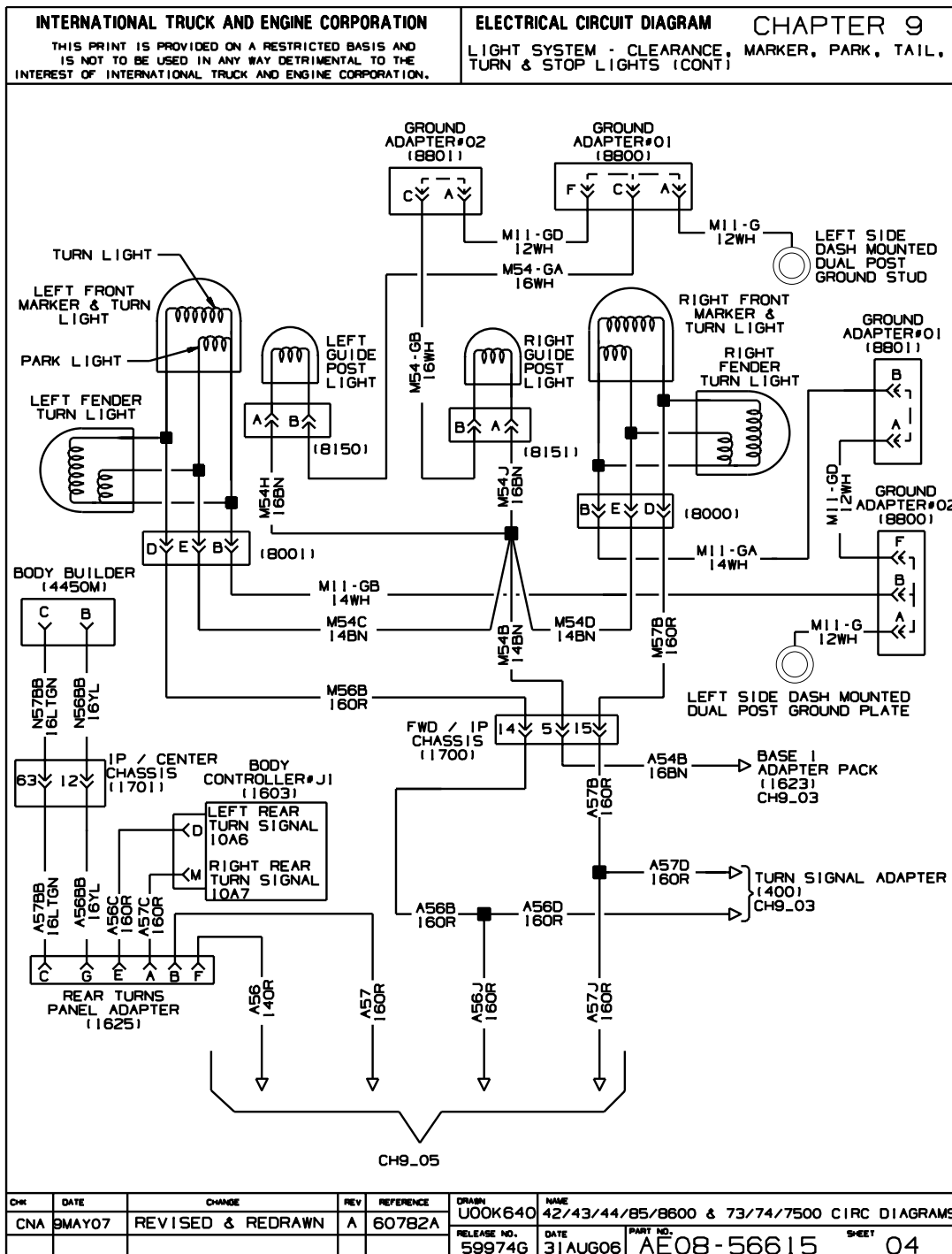


Figure 147 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

9.5. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 5

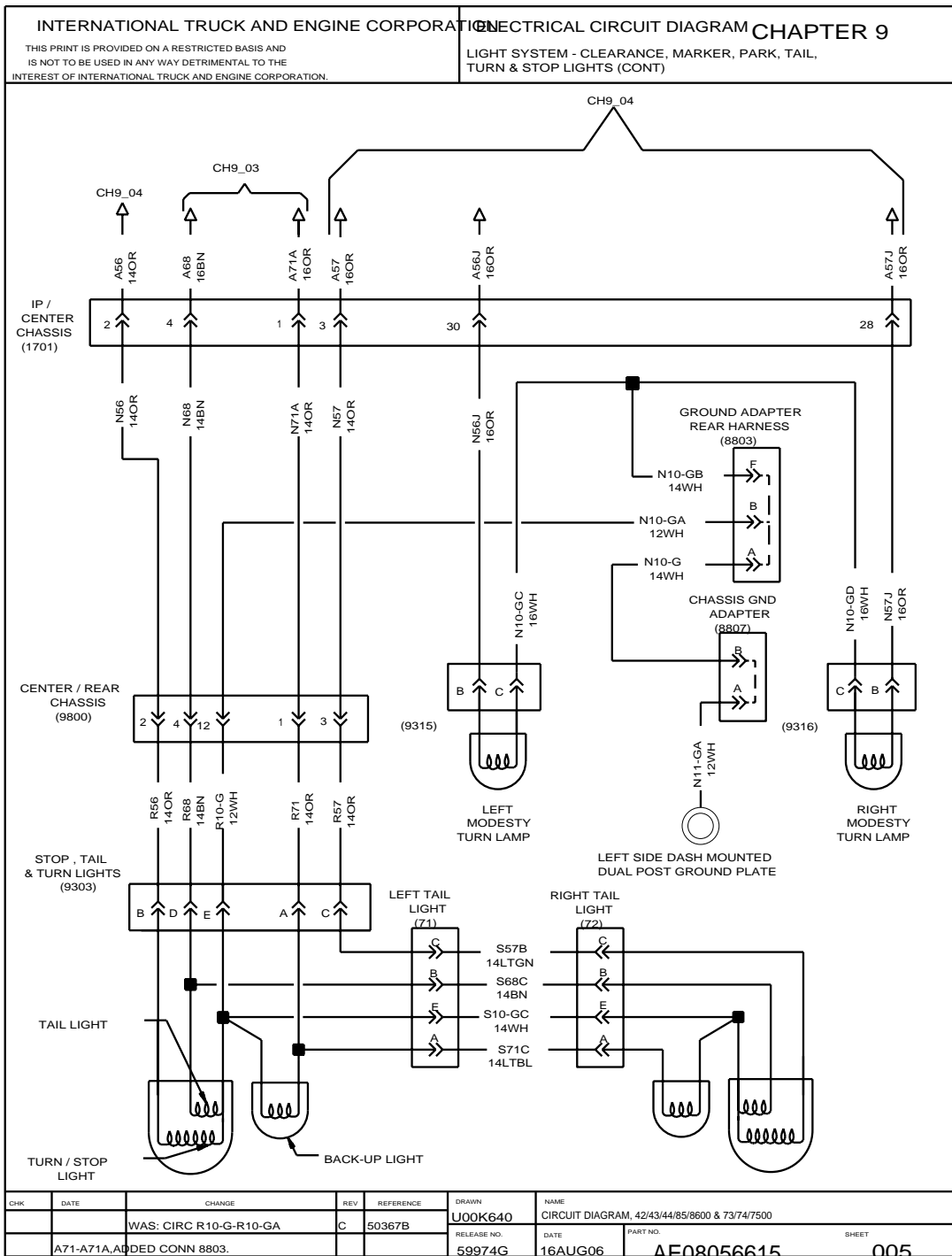


Figure 148 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)



9.6. LIGHT SYSTEMS — CLEARANCE, MARKER, PARK, TAIL, TURN AND STOP LIGHTS (CONT.), P. 6

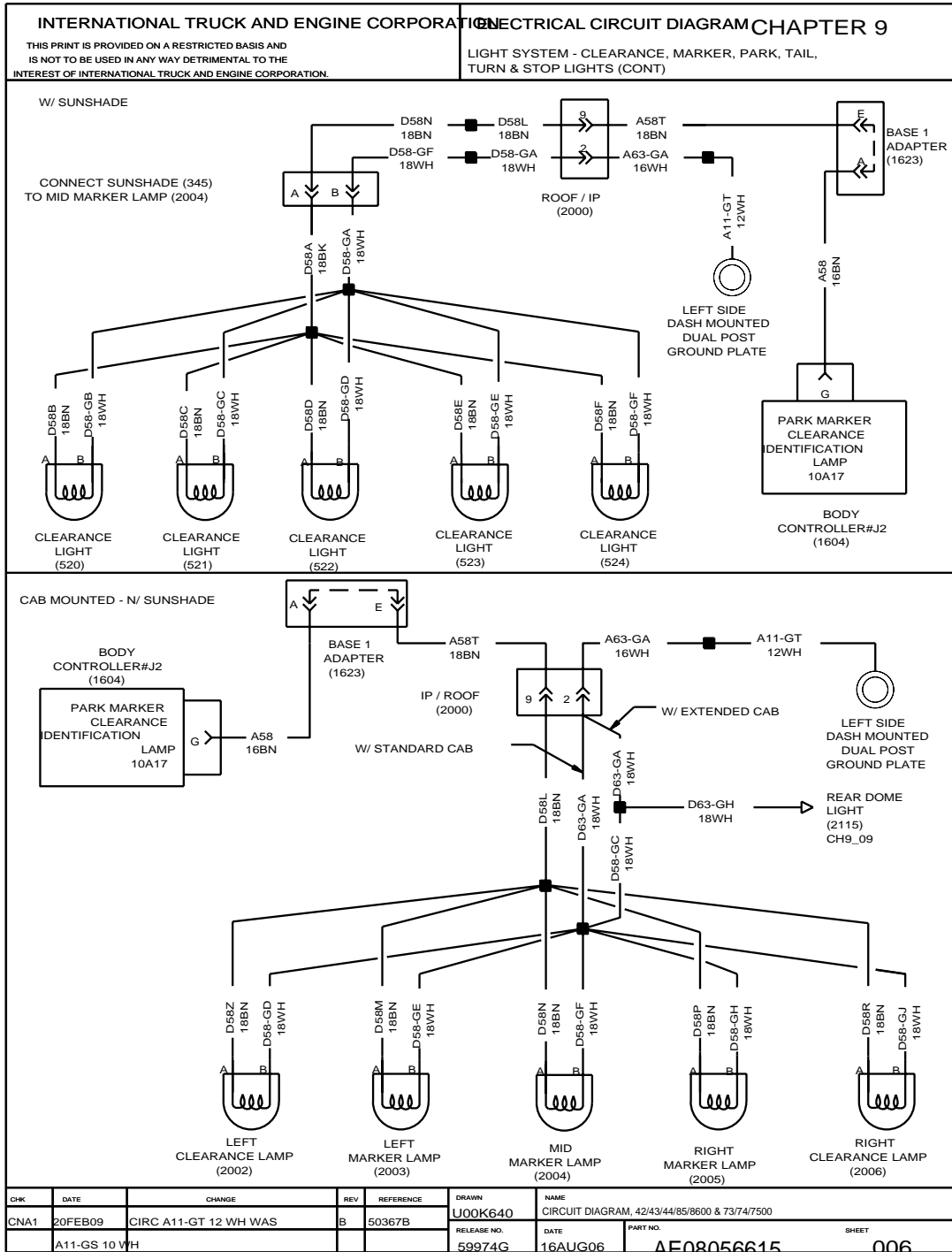


Figure 149 Light Systems — Clearance, Marker, Park, Tail, Turn and Stop Lights (Cont.)

9.7. LIGHT SYSTEMS — TURN SIGNAL AND STOP SWITCHES, P. 7

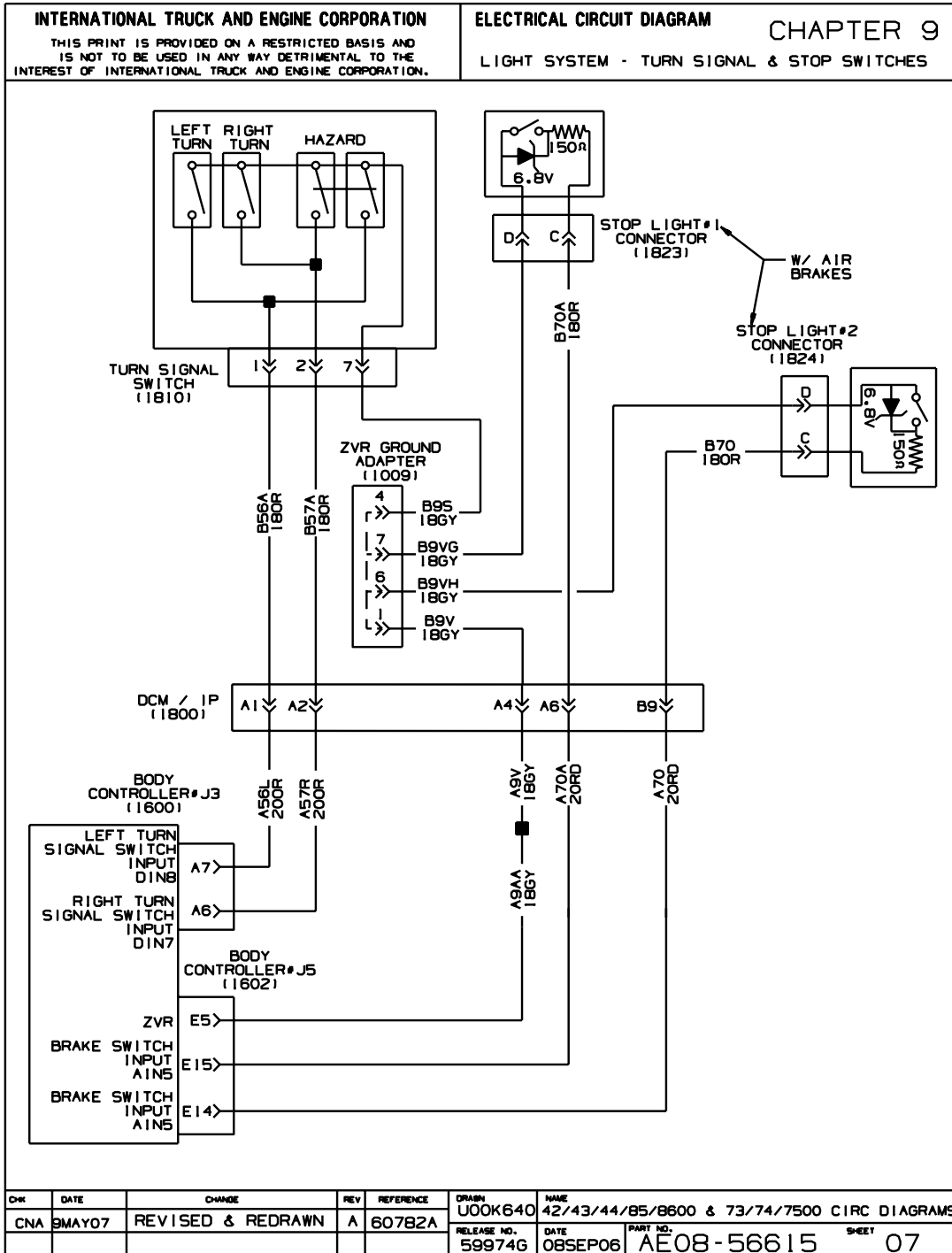


Figure 150 Light Systems — Turn Signal and Stop Switches

9.8. DOME LIGHT, MAP LIGHT, P. 8

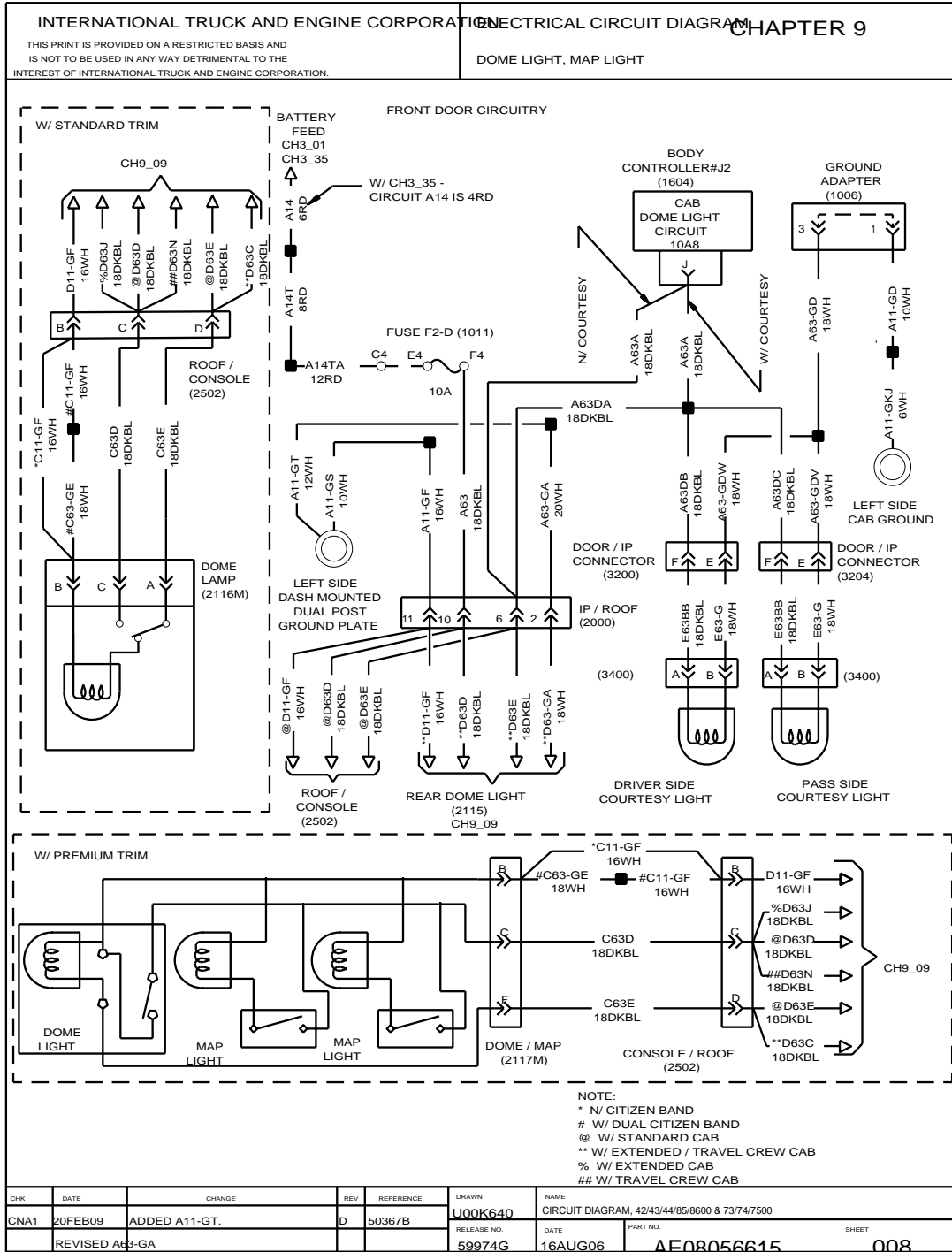


Figure 151 Dome Light, Map Light

9.9. DOME LIGHT, MAP LIGHT (CONT.), P. 9

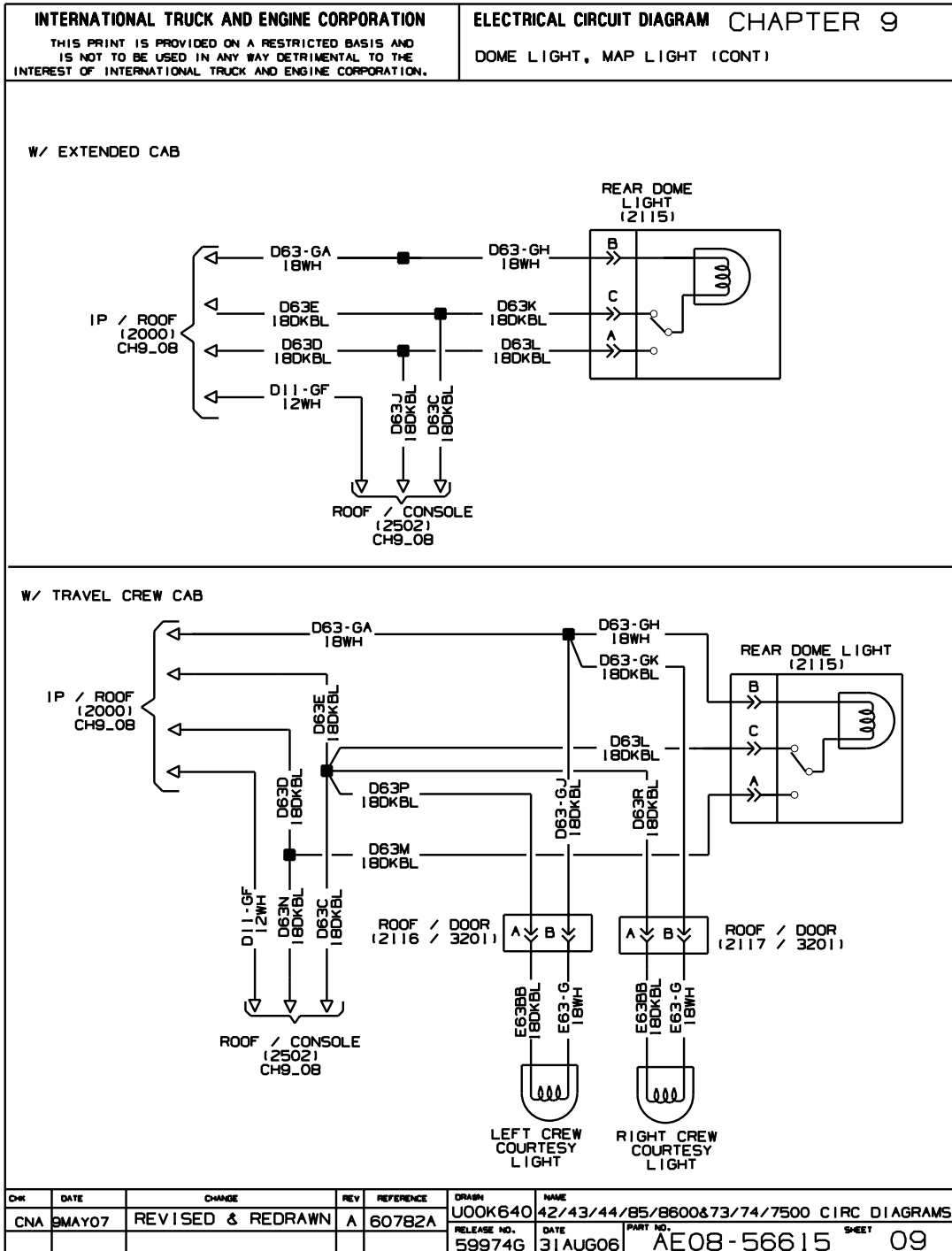


Figure 152 Dome Light, Map Light (Cont.)

9.10. DOME LIGHT, MAP LIGHT (CONT.), P. 10

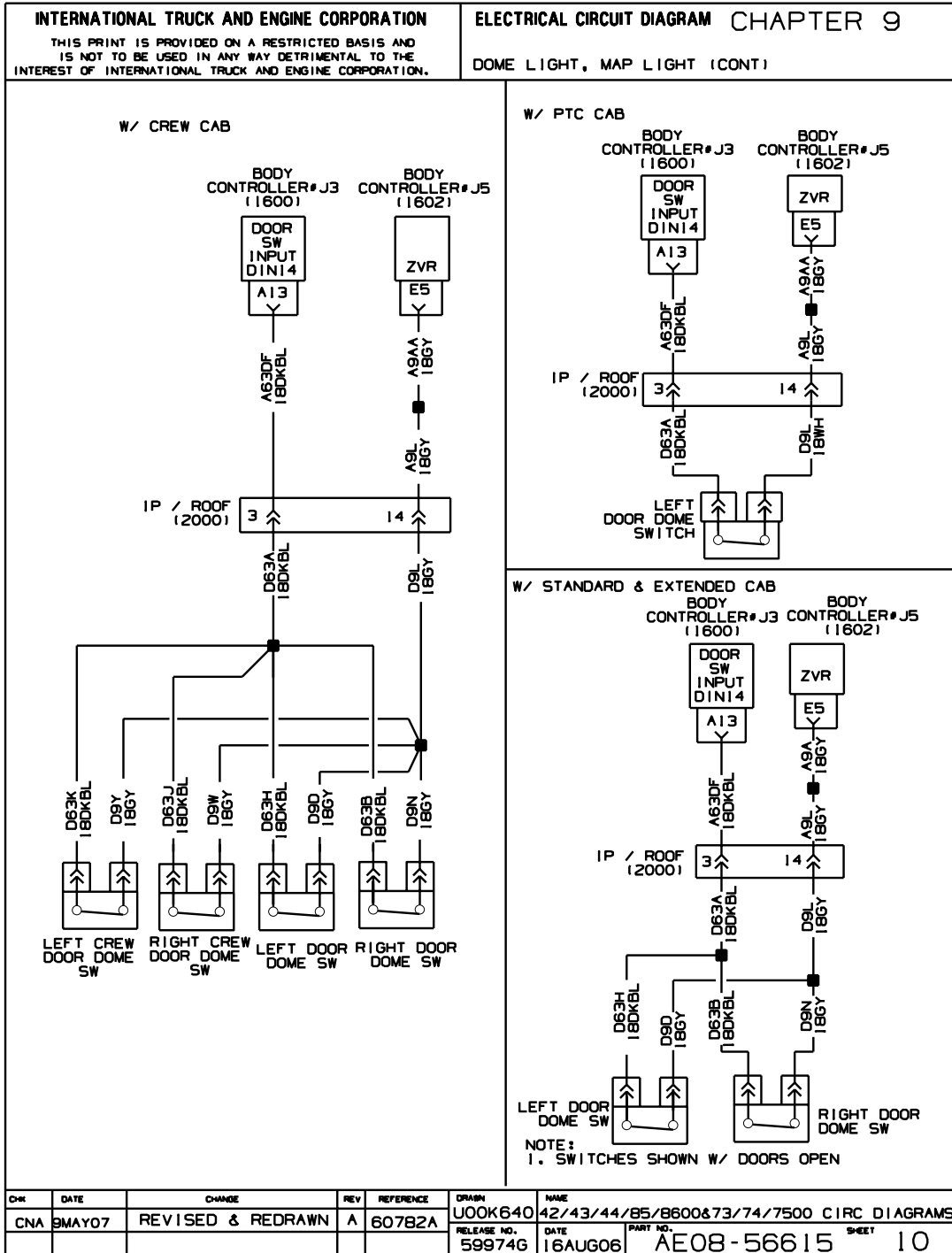


Figure 153 Dome Light, Map Light (Cont.)

9.11. FOG LIGHT, P. 11

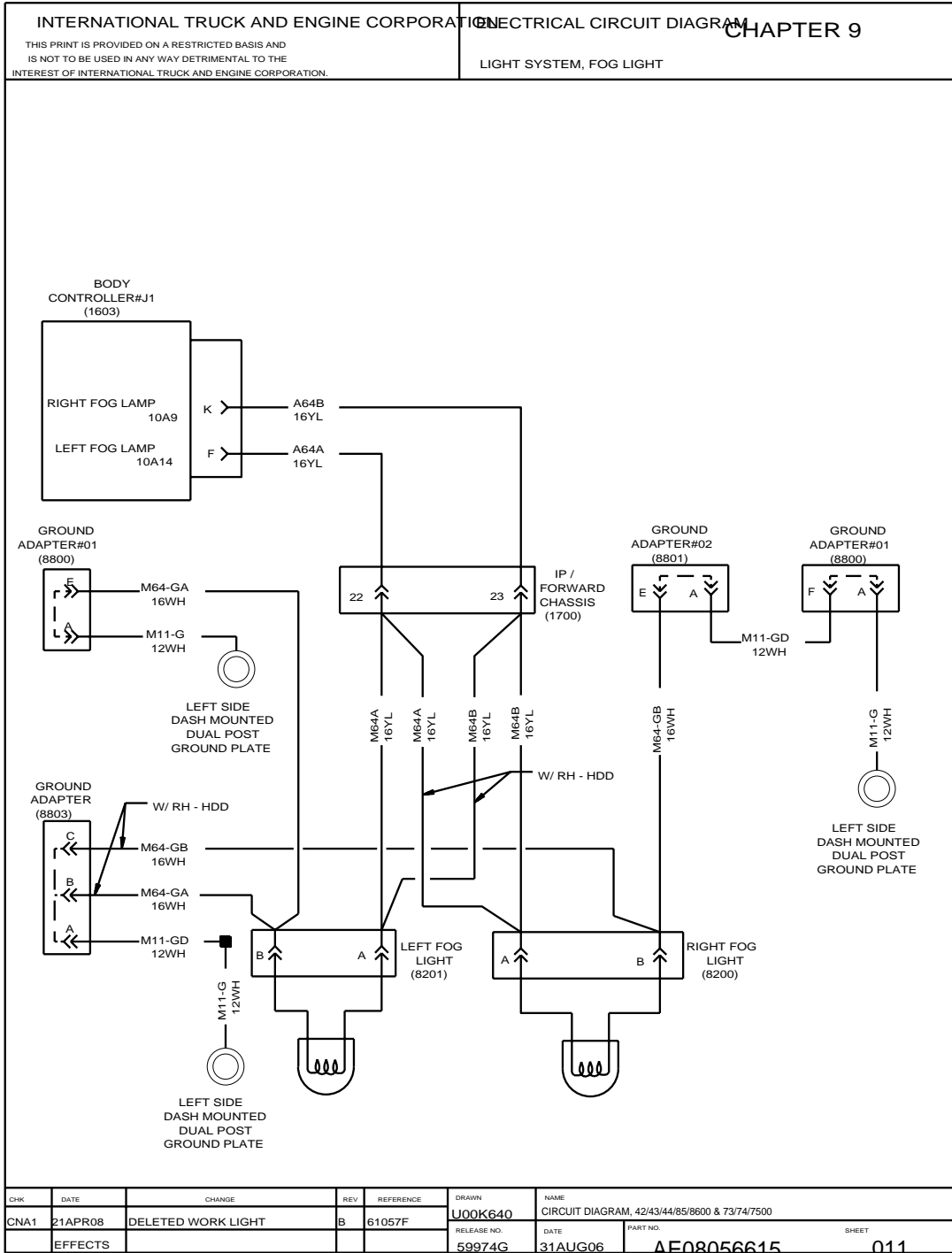


Figure 154 Fog Light

9.12. HEADLIGHTS, P. 12

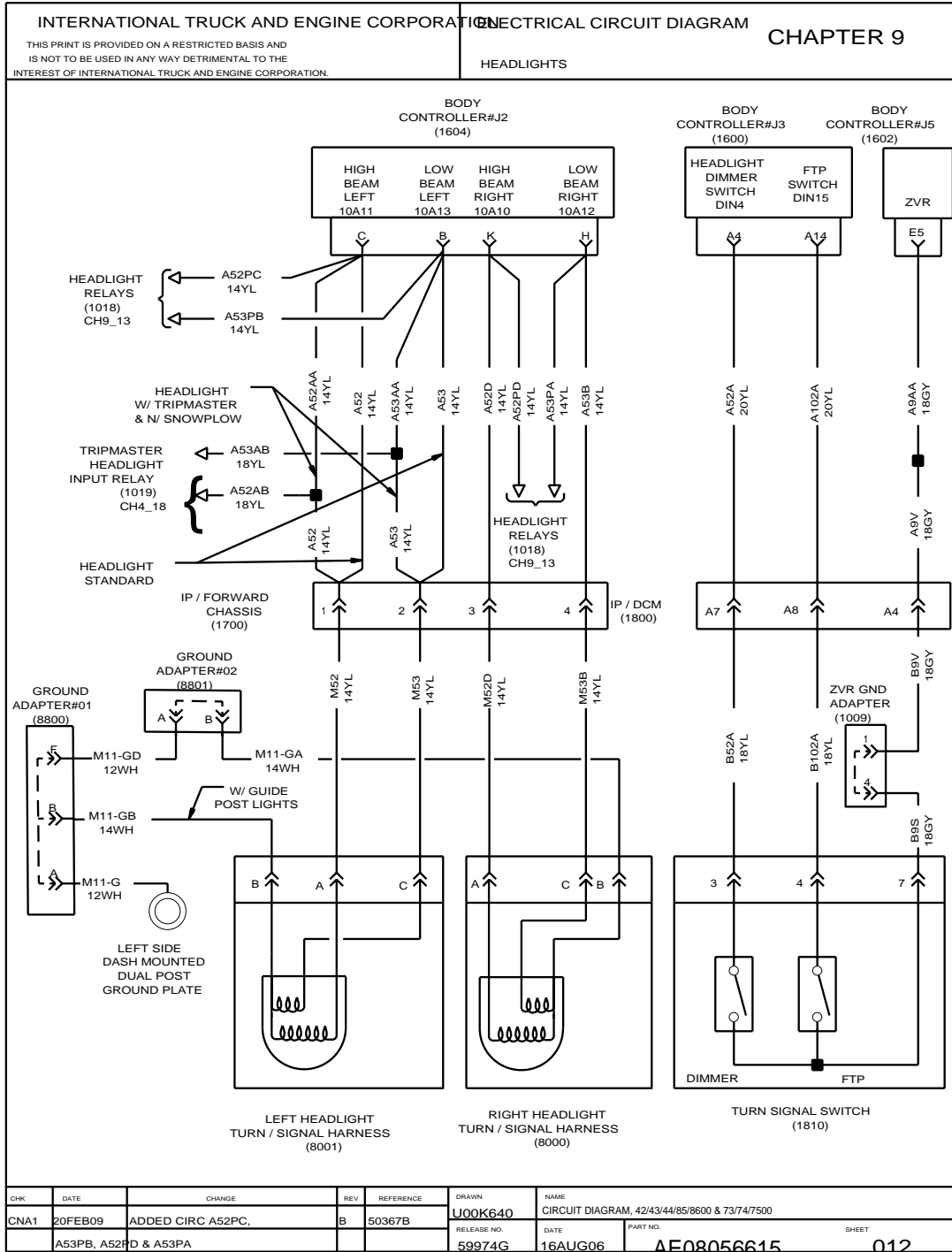


Figure 155 Headlights





9.14. AUX. HEADLIGHTS, SNOW PLOW LIGHTS (CONT), P. 14

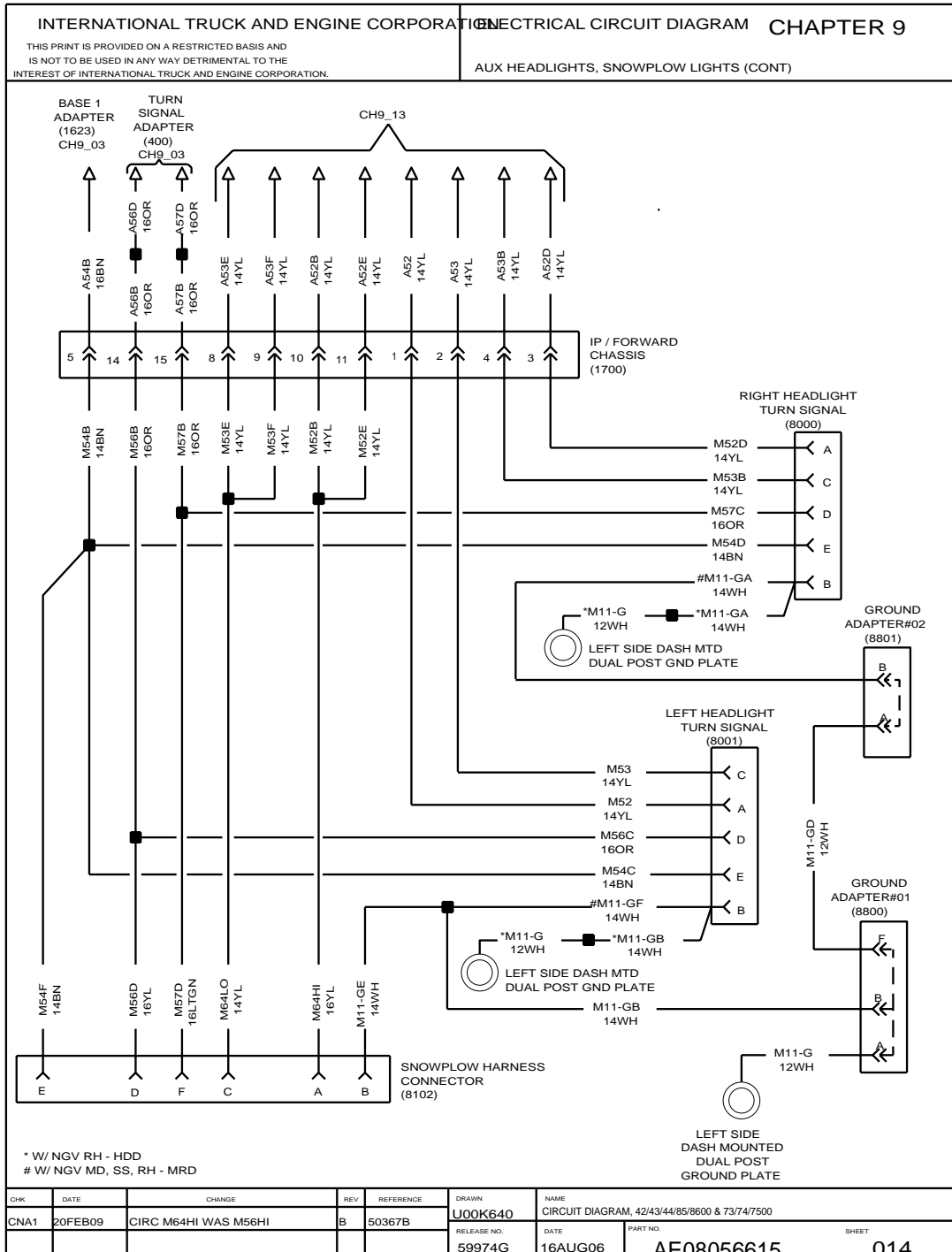


Figure 157 Aux. Headlights, Snow Plow Lights (Cont)

9.15. PANEL LIGHTS, P. 15

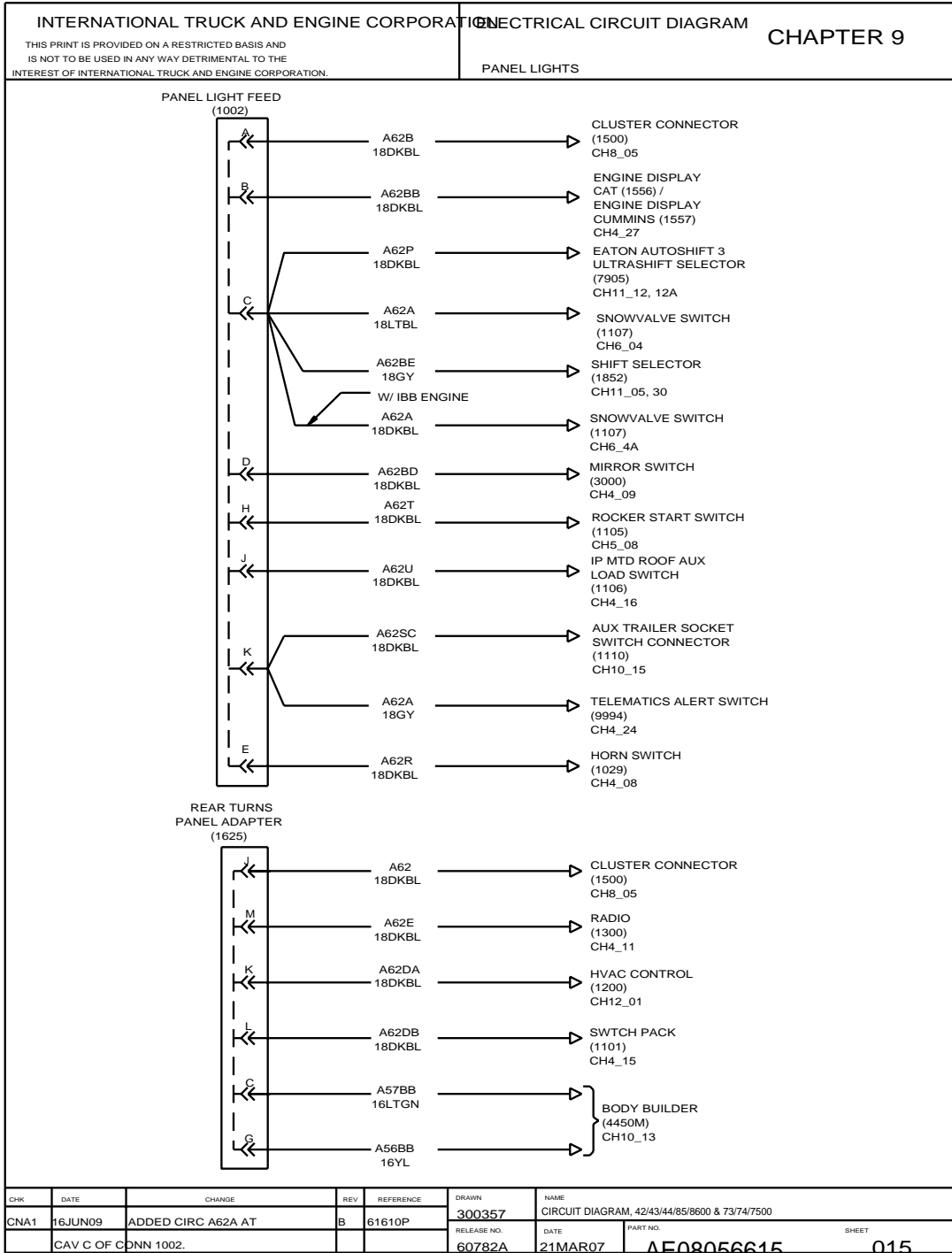


Figure 158 Panel Lights

9.16. WORK LIGHT, P. 16

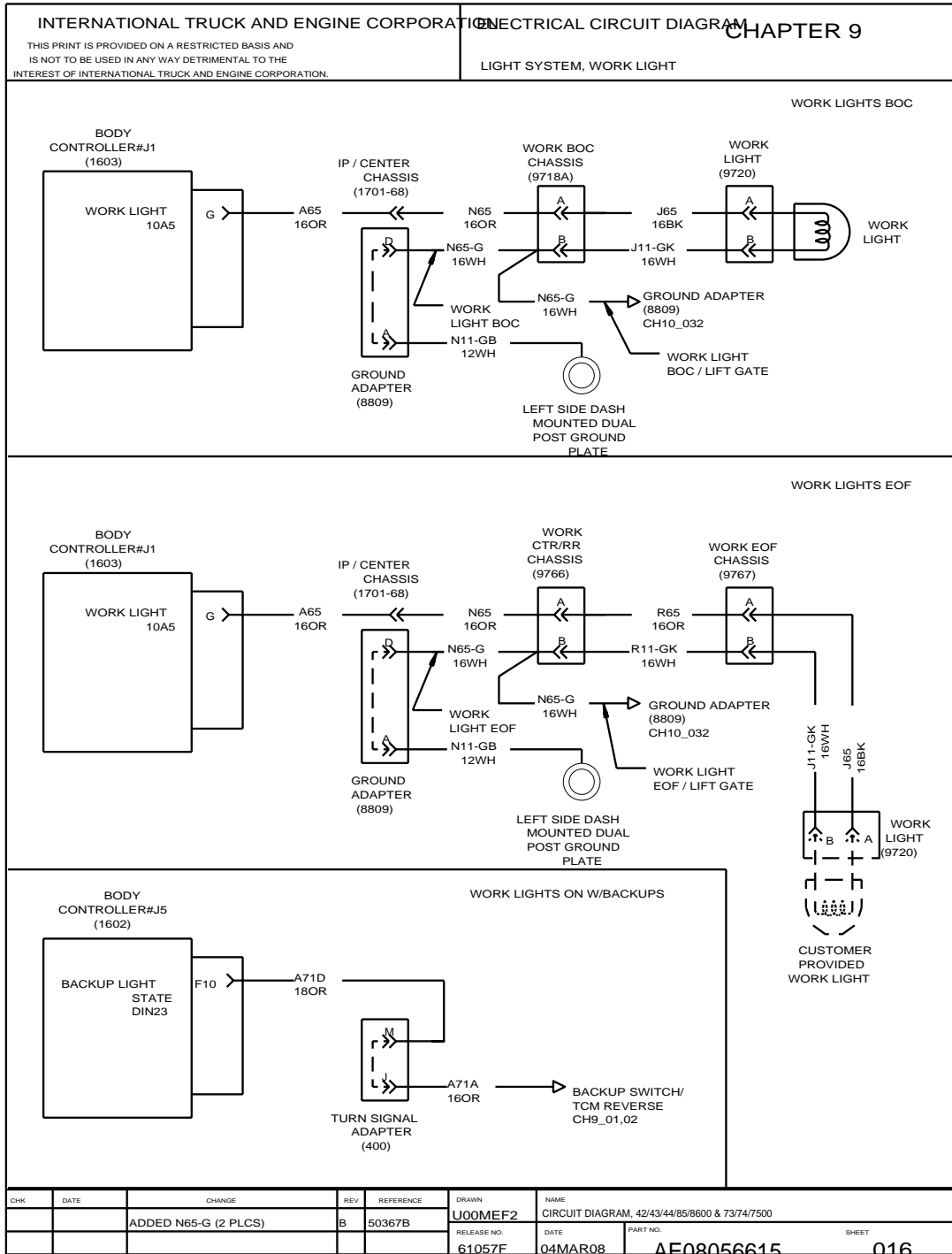


Figure 159 Work Light

## 10. CHASSIS ACCESSORIES (CHAPTER 10)

### 10.1. ABS — BENDIX AIR, P. 1

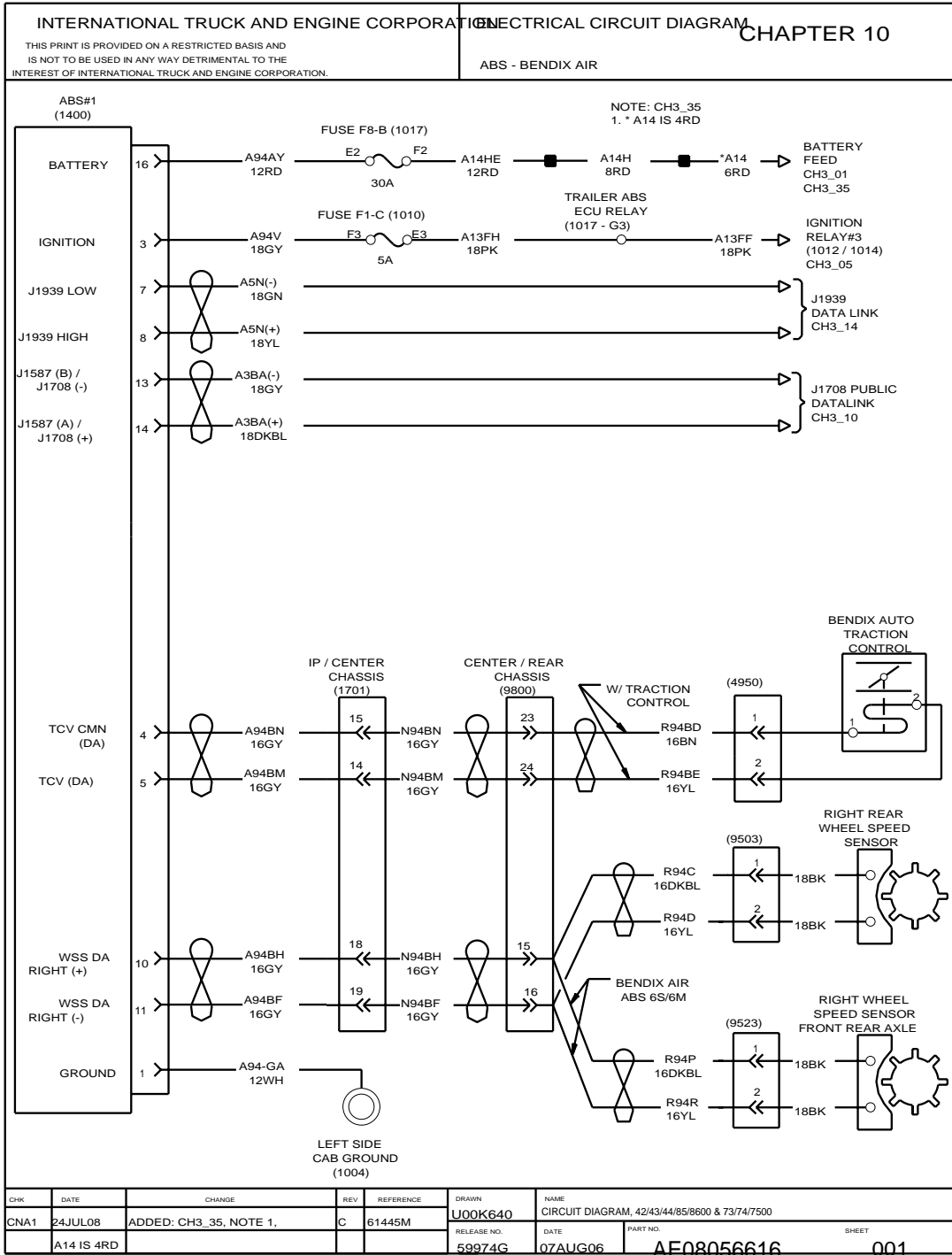


Figure 160 ABS — Bendix Air

10.2. ABS — BENDIX AIR, P. 2

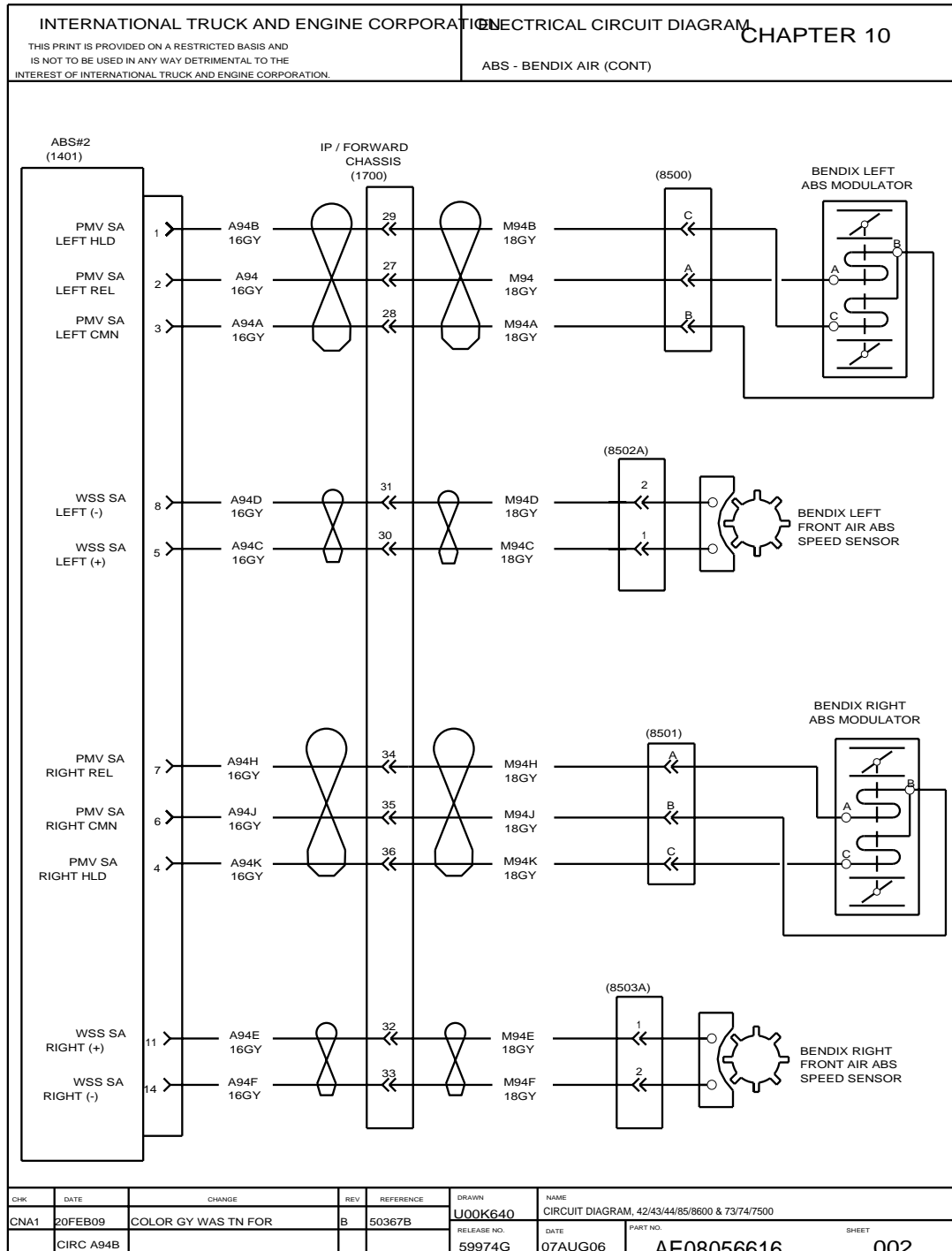


Figure 161 ABS — Bendix Air (Cont.)

10.3. ABS — BENDIX AIR, P. 3

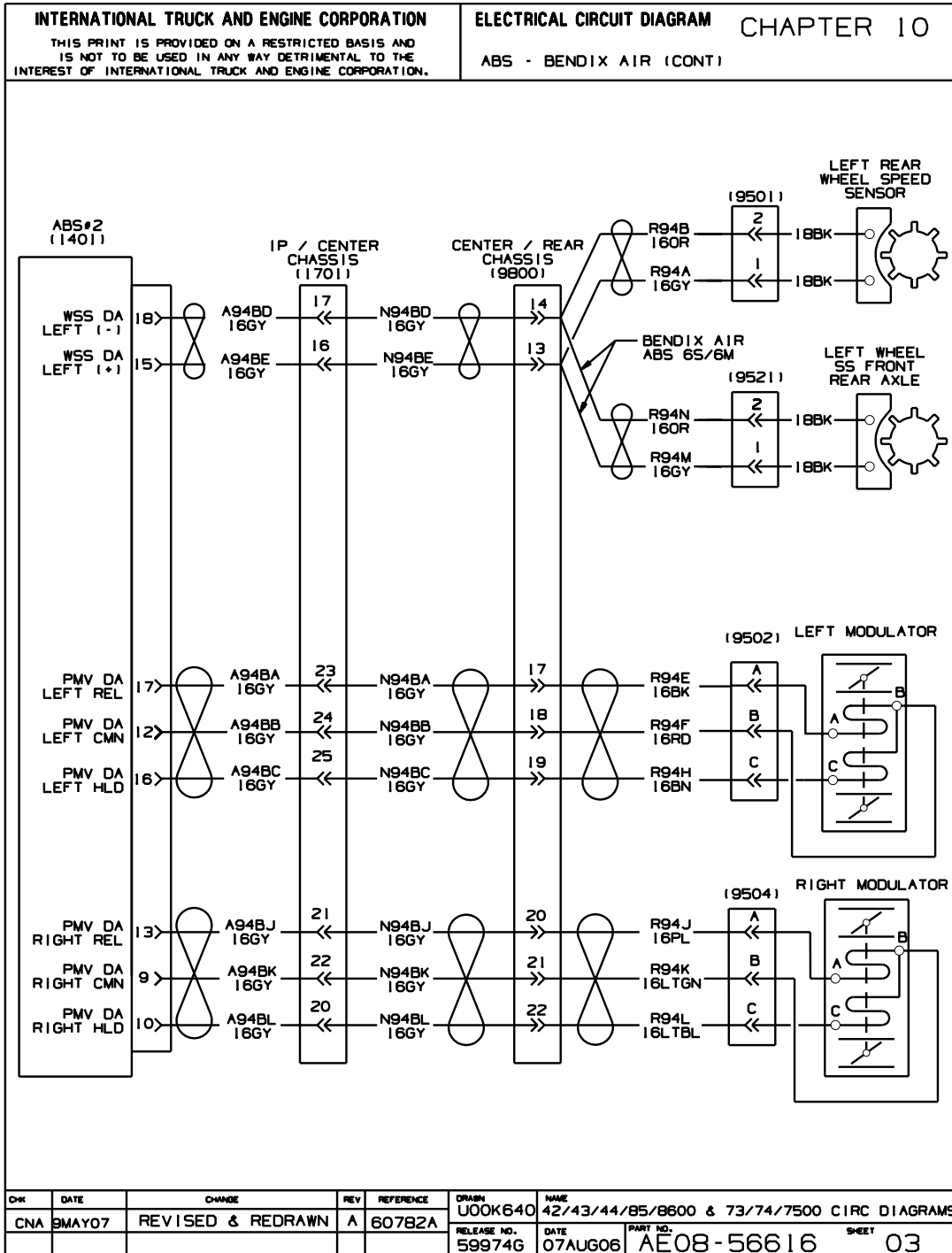


Figure 162 ABS — Bendix Air (Cont.)

10.4. ABS — WABCO AIR, P. 4

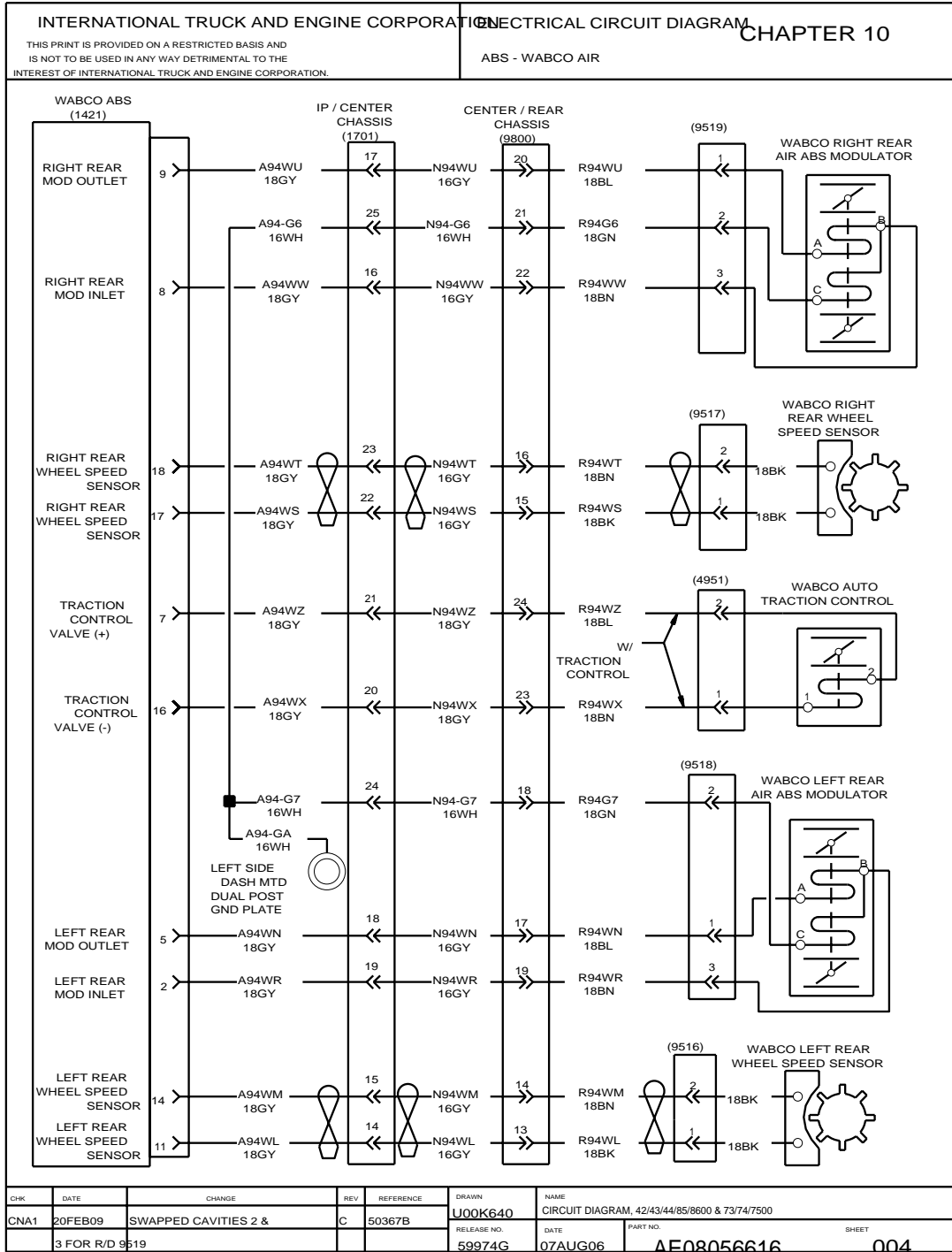


Figure 163 ABS — Wabco Air

10.5. ABS — WABCO AIR, P. 5

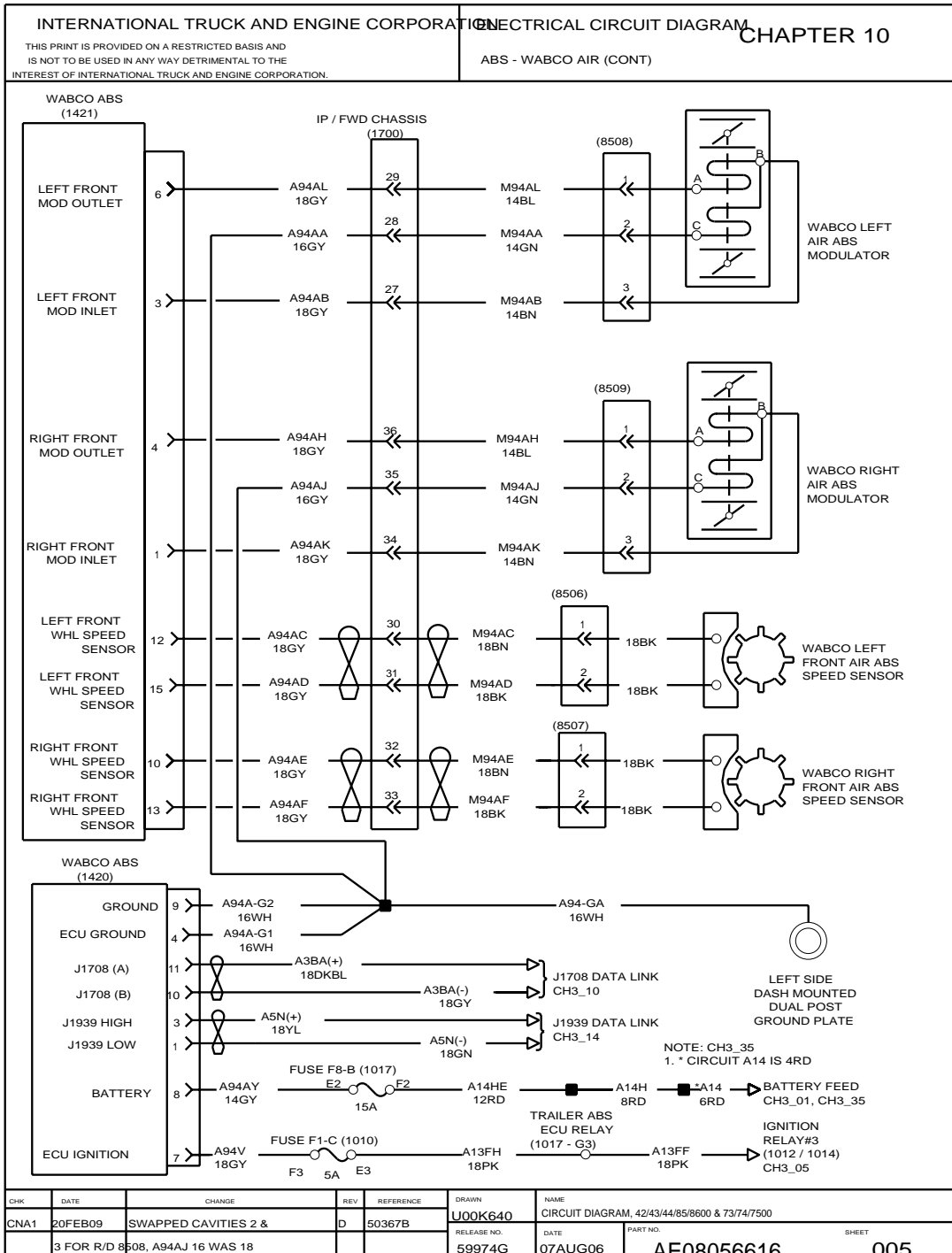


Figure 164 ABS — Wabco Air (Cont.)



10.6. WABCO FULL POWER BRAKES, P. 6

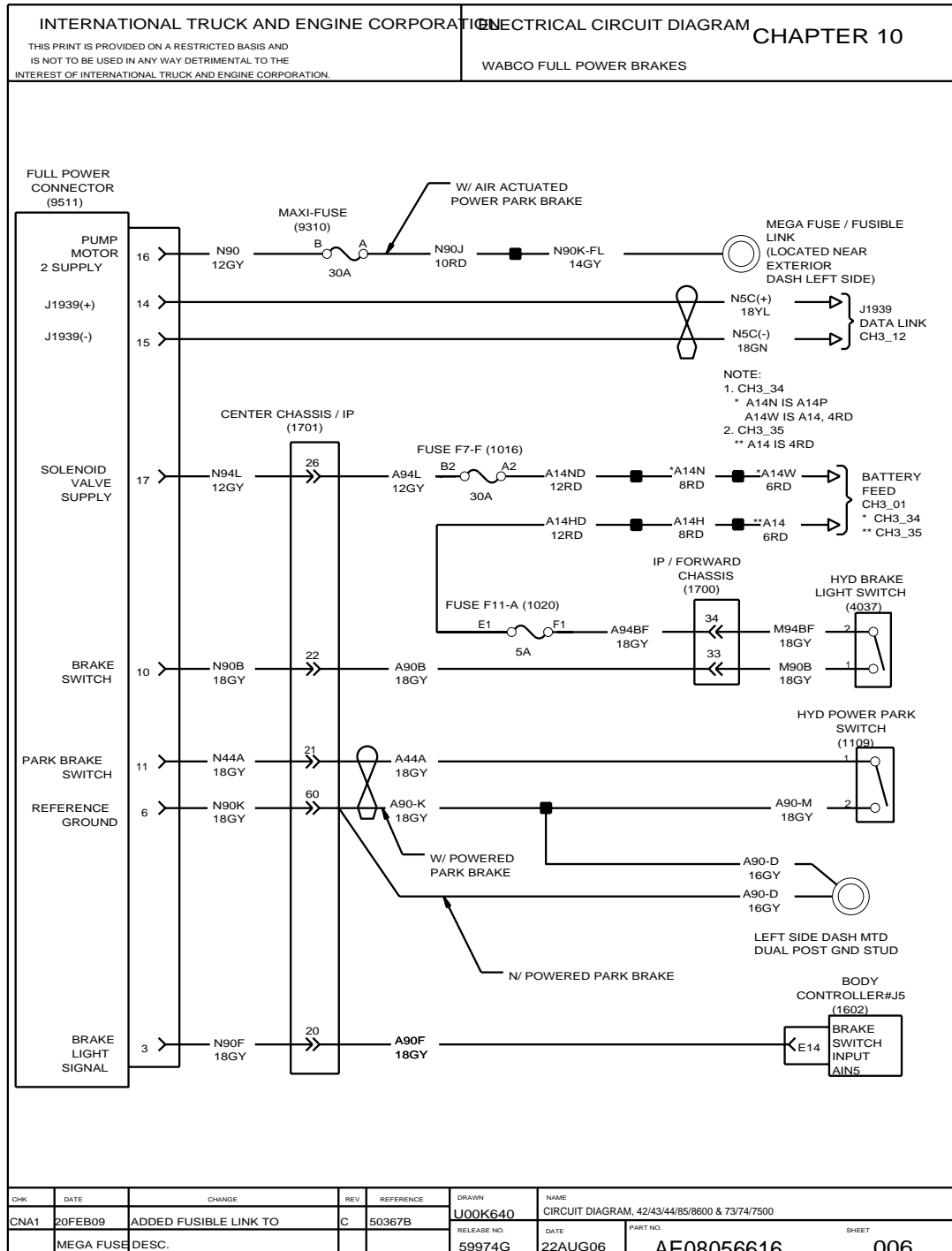


Figure 165 Wabco Full Power Brakes

10.7. WABCO FULL POWER BRAKES, P. 7

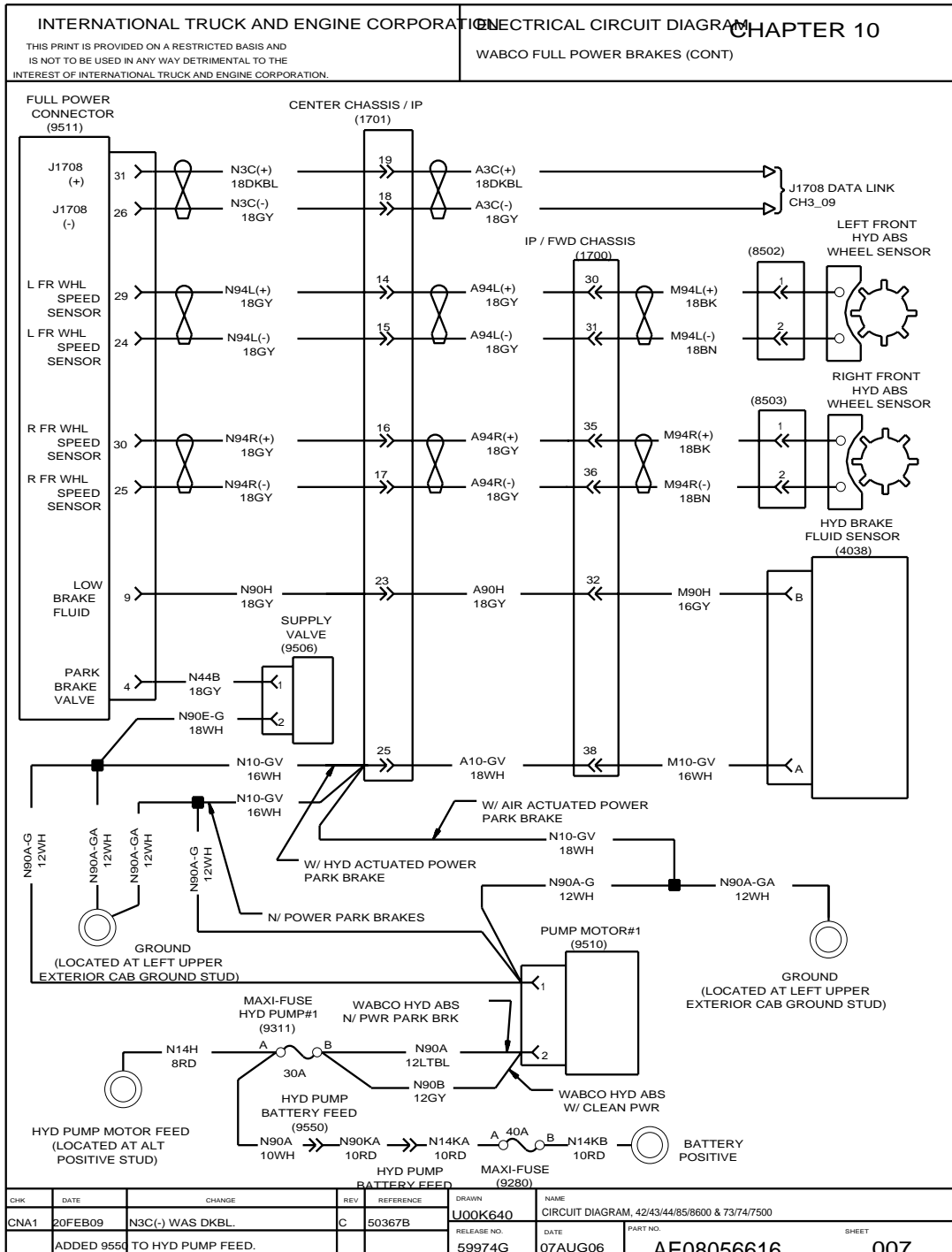


Figure 166 Wabco Full Power Brakes

10.8. WABCO FULL POWER BRAKES, P. 8

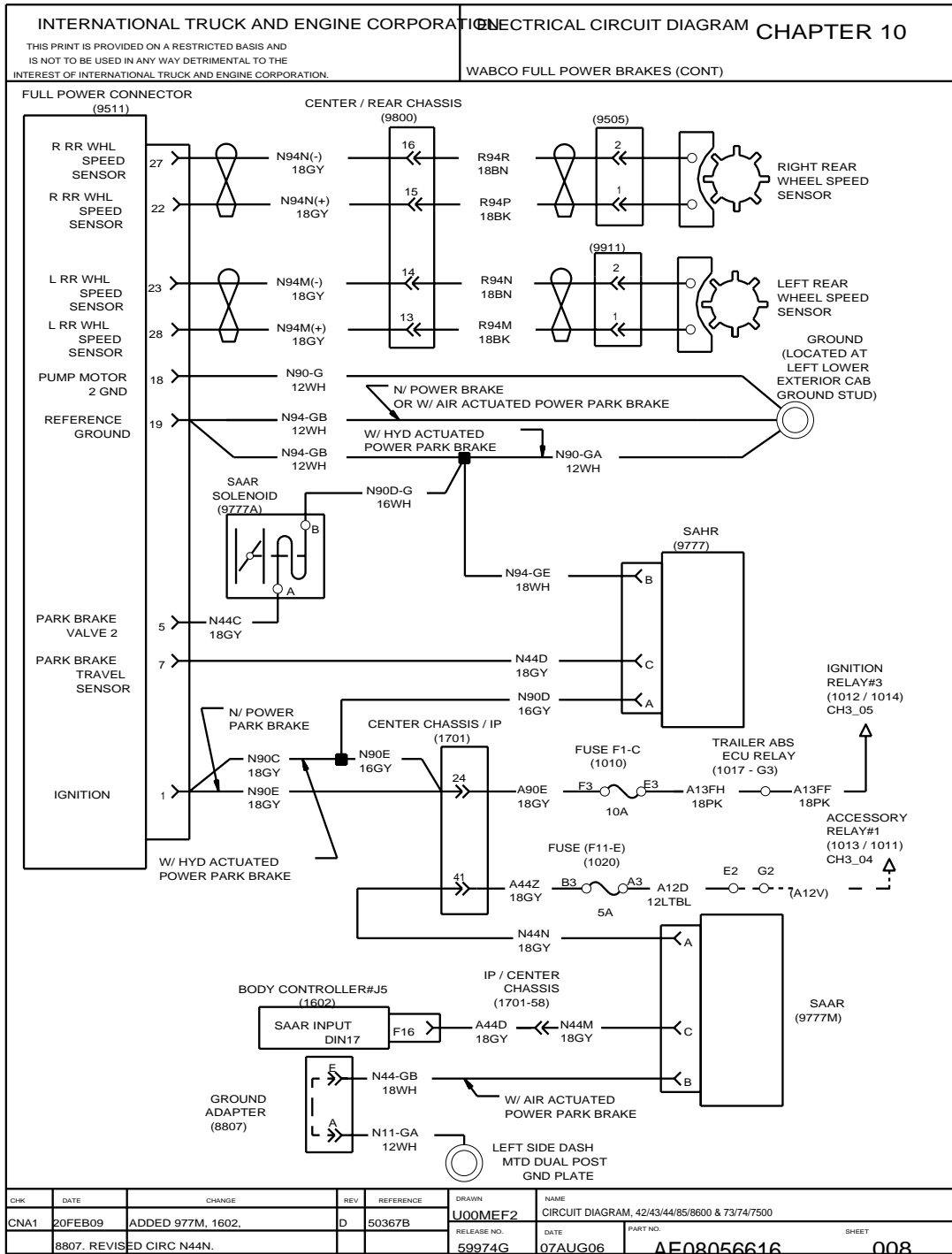


Figure 167 Wabco Full Power Brakes (Cont.)

10.9. BODY BUILDER AND TRAILER — TURN, MARKERS AND STOP, P. 9

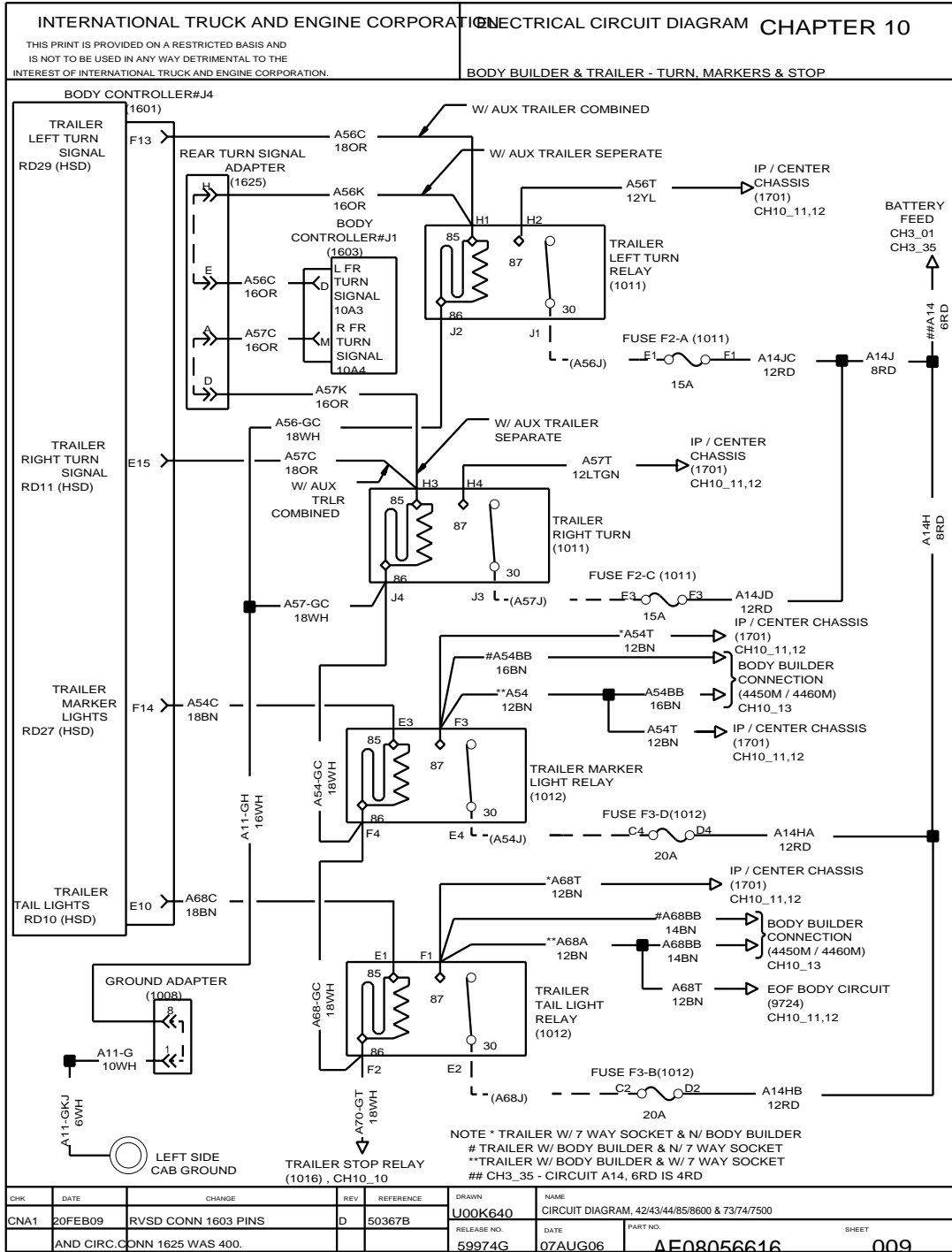


Figure 168 Body Builder and Trailer — Turn, Markers and Stop

10.10. BODY BUILDER AND TRAILER — TURN, MARKERS AND STOP, P. 10

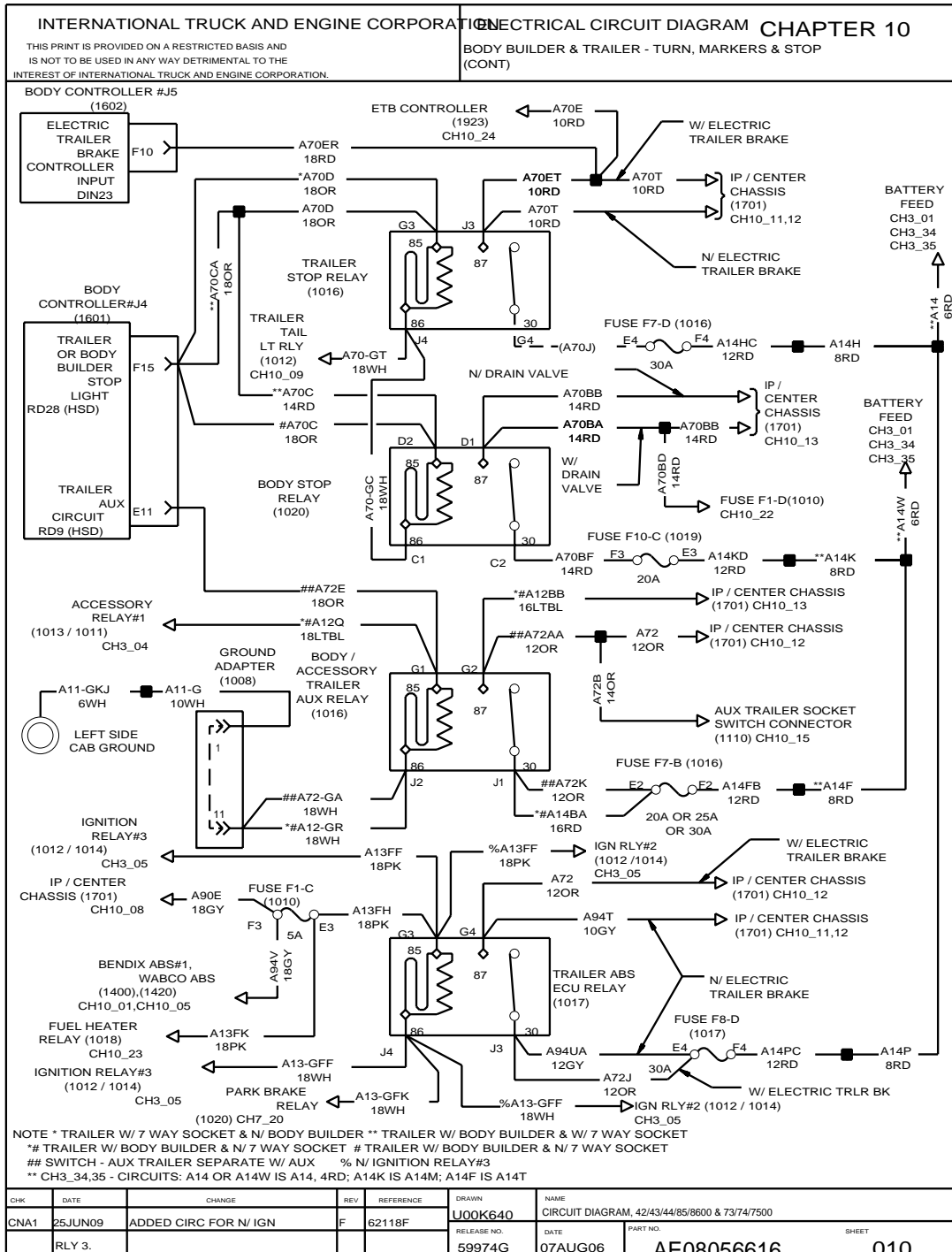


Figure 169 Body Builder and Trailer — Turn, Markers and Stop (Cont.)

10.11. TRAILER SOCKET — BOC AND EOF, P. 11

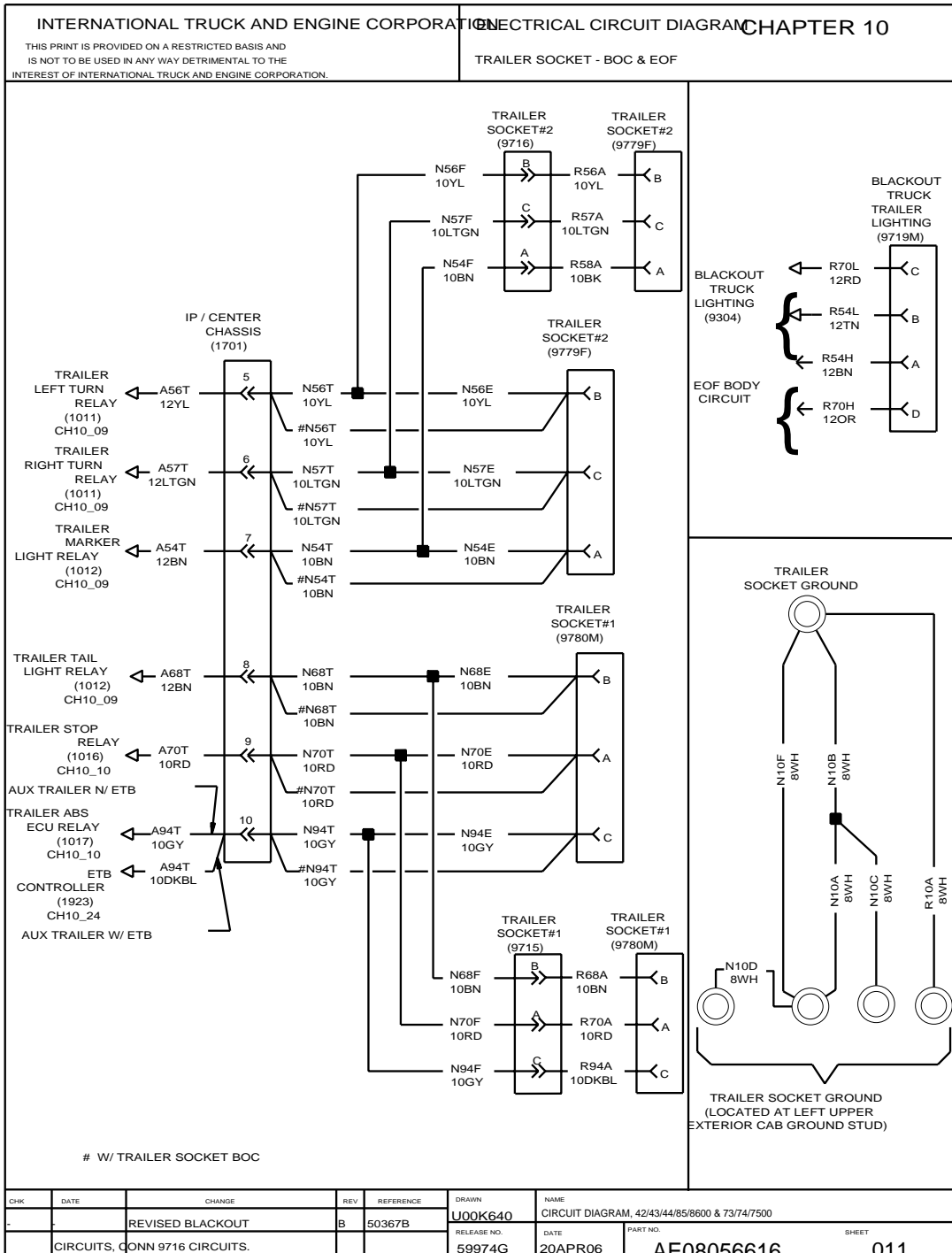


Figure 170 Trailer Socket — BOC and EOF

10.12. BODY BUILDER AND TRAILER SOCKET — BOC AND EOF, P. 12

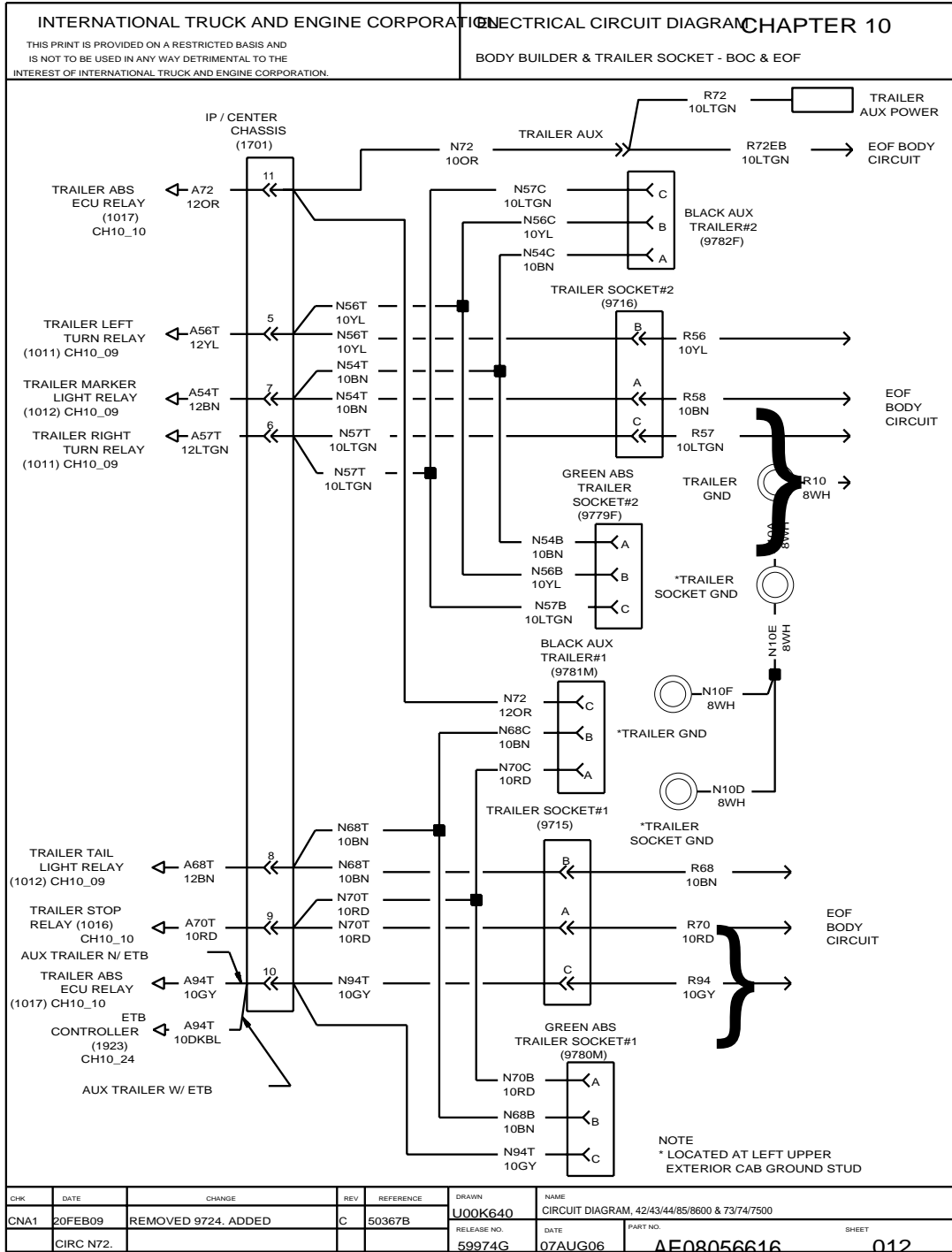


Figure 171 Body Builder and Trailer Socket — BOC and EOF

10.13. BODY BUILDER CONNECTIONS, P. 13

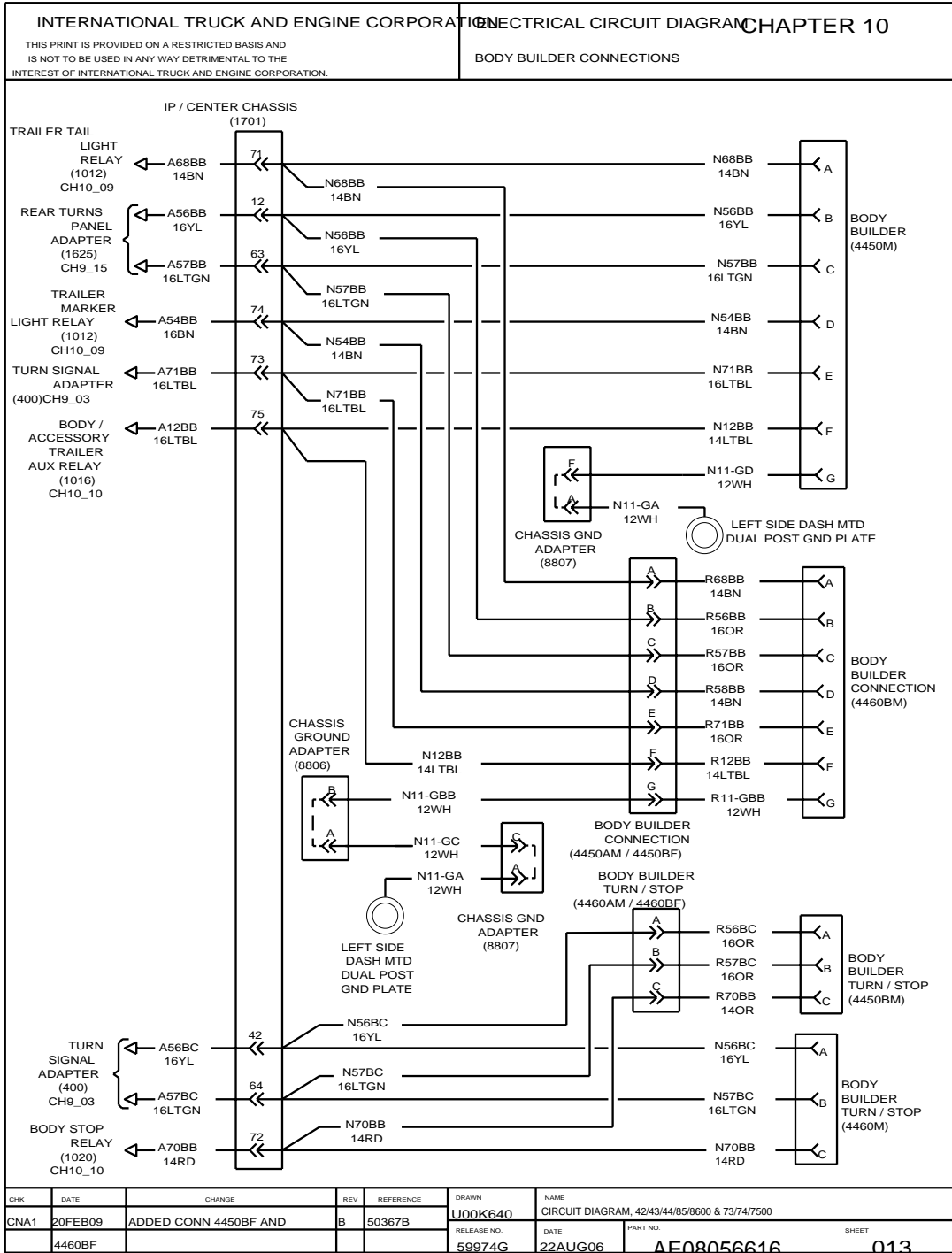


Figure 172 Body Builder Connections



10.14. REMOTE START / STOP, P. 14

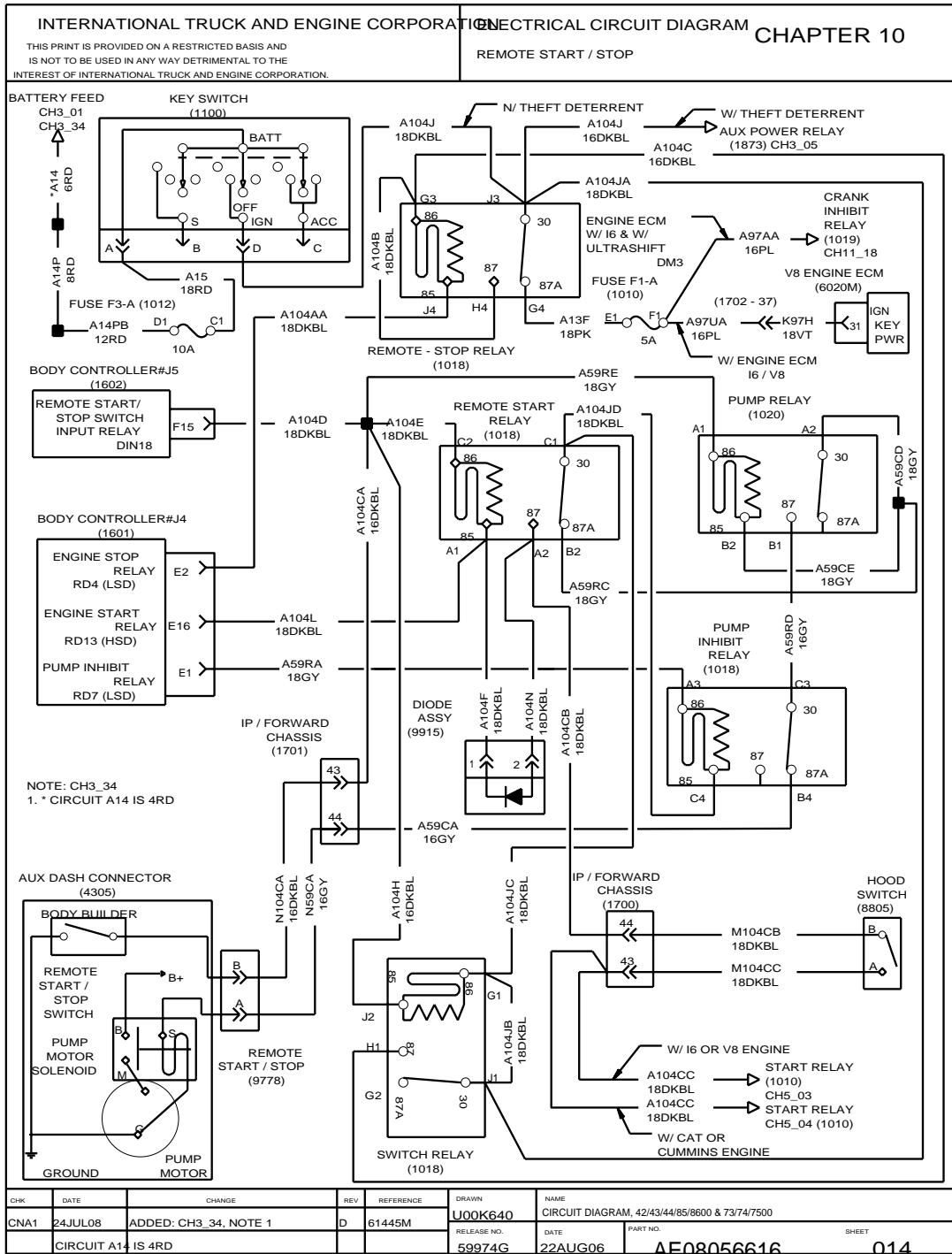


Figure 173 Remote Start / Stop

10.15. AUX TRAILER CIRCUIT, P. 15

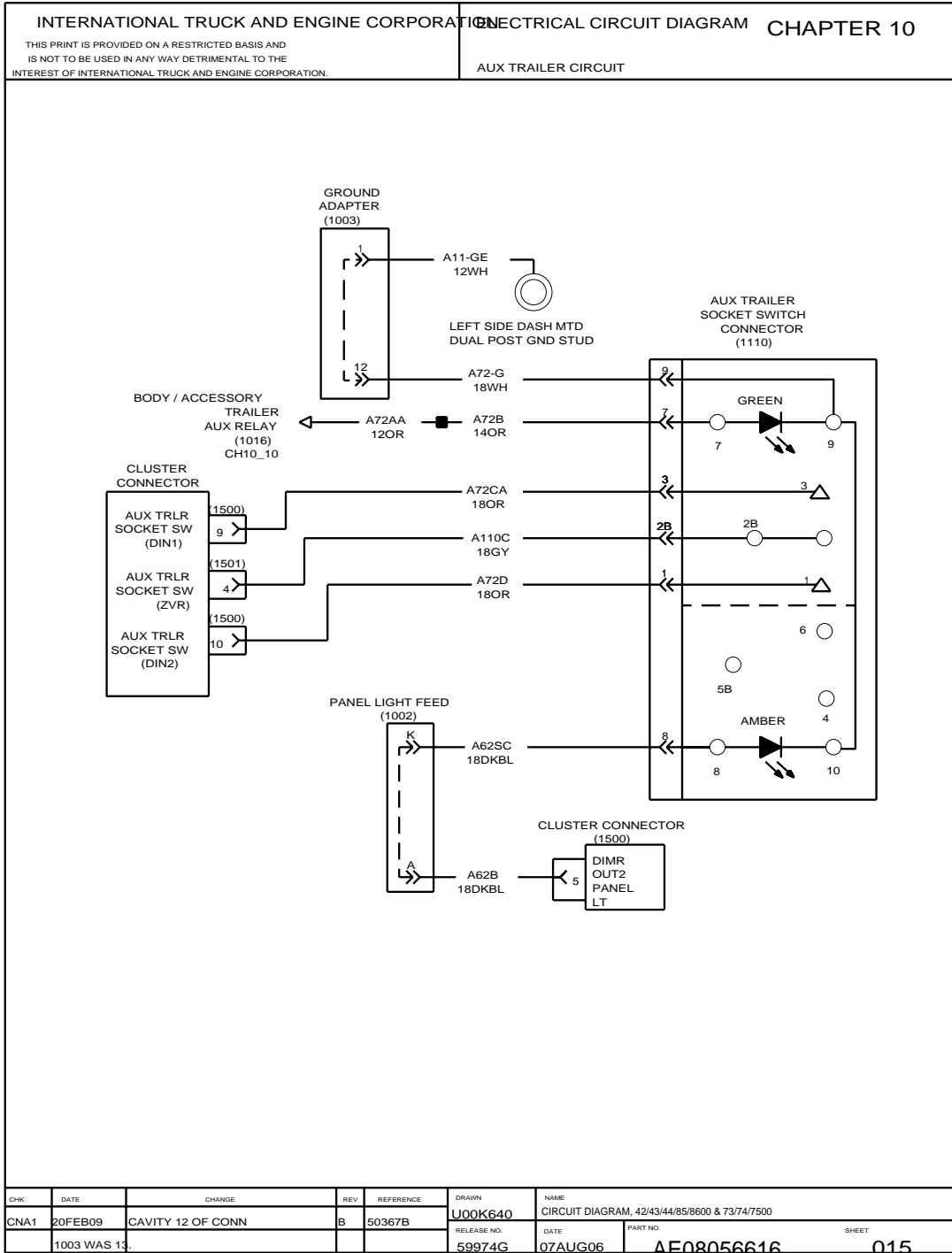


Figure 174 Aux Trailer Circuit

10.16. TWO SPEED AXLE SWITCH, P. 16

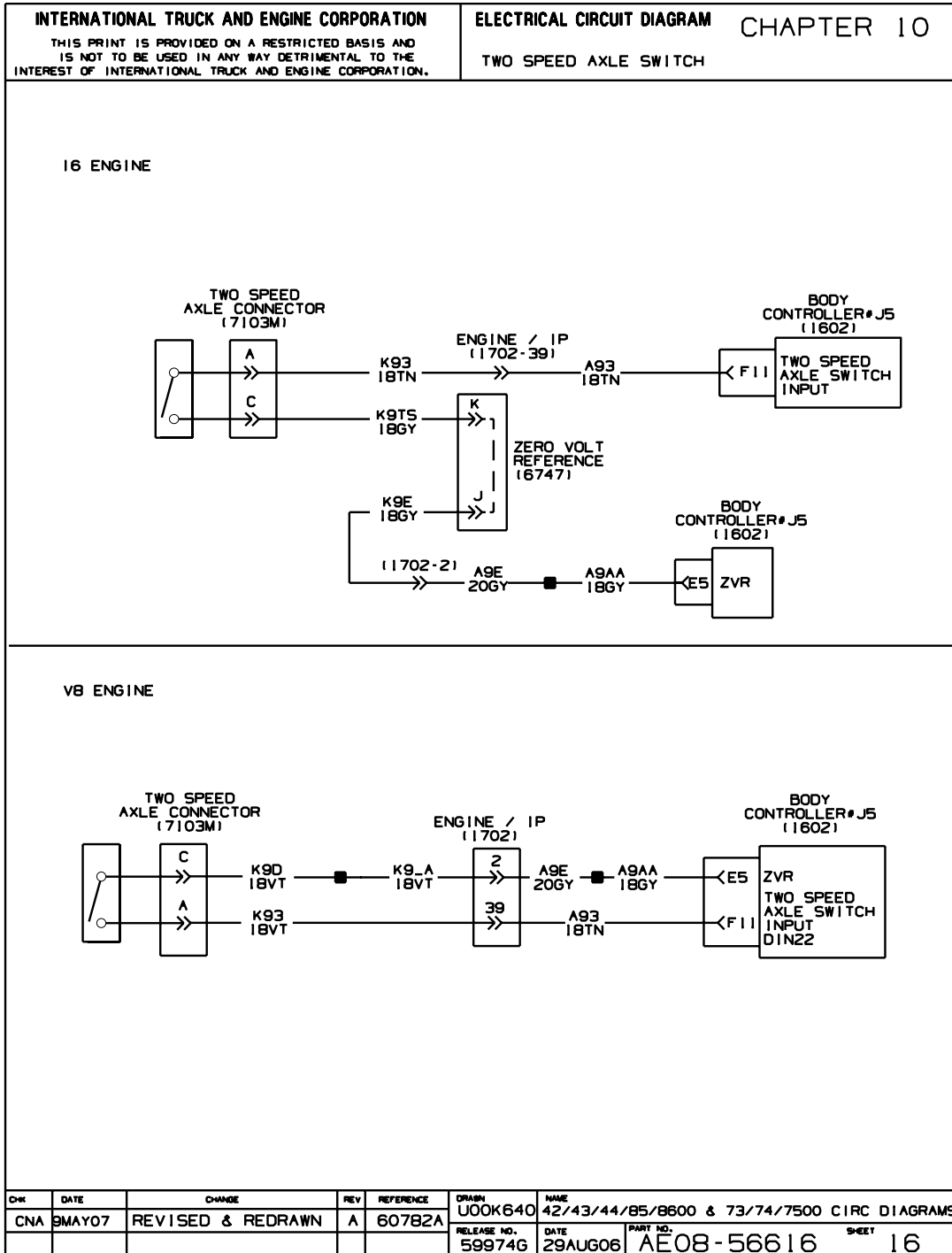


Figure 175 Two Speed Axle Switch

10.17. AIR SOLENOID, P. 17

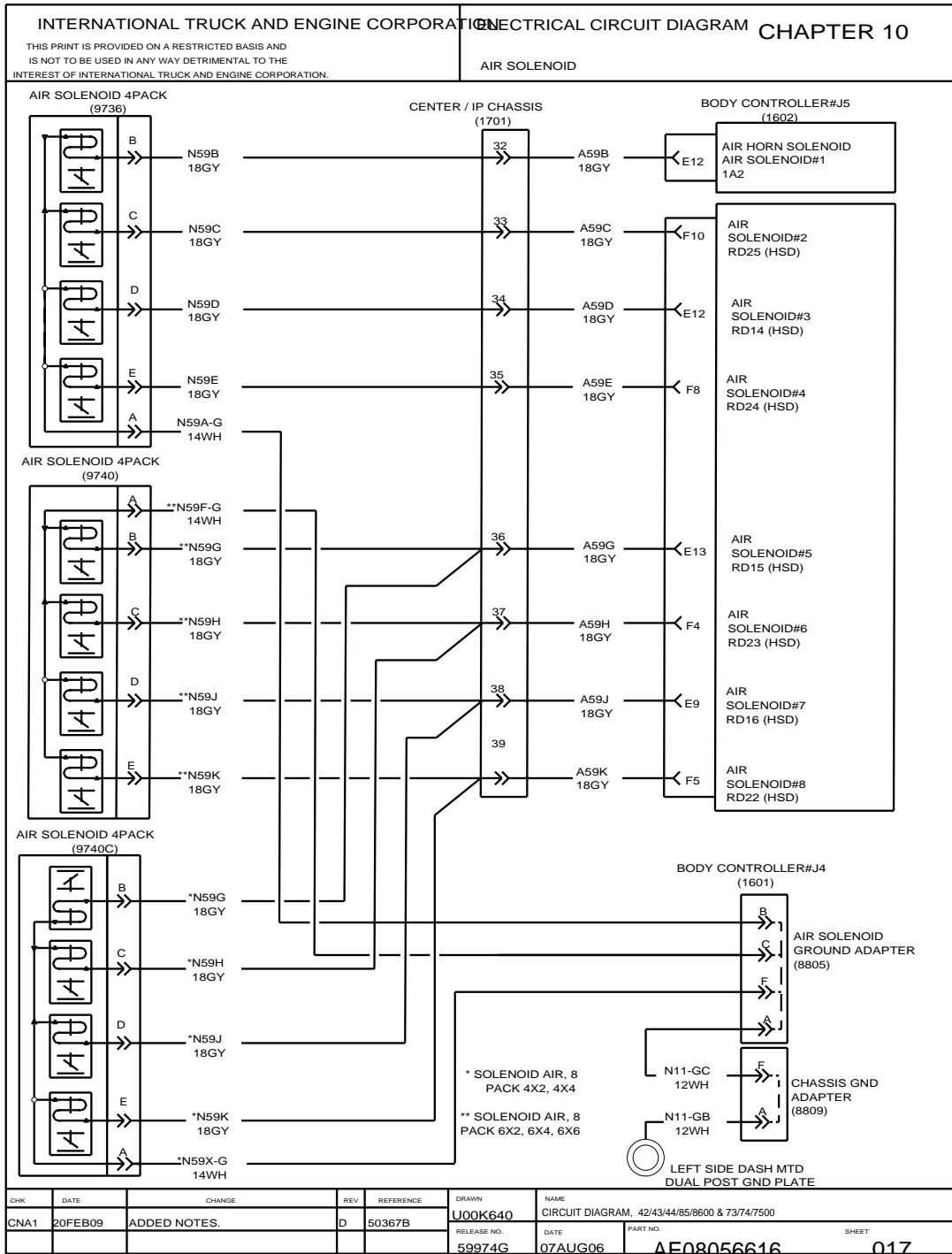


Figure 176 Air Solenoid

10.18. AIR SOLENOID, P. 18

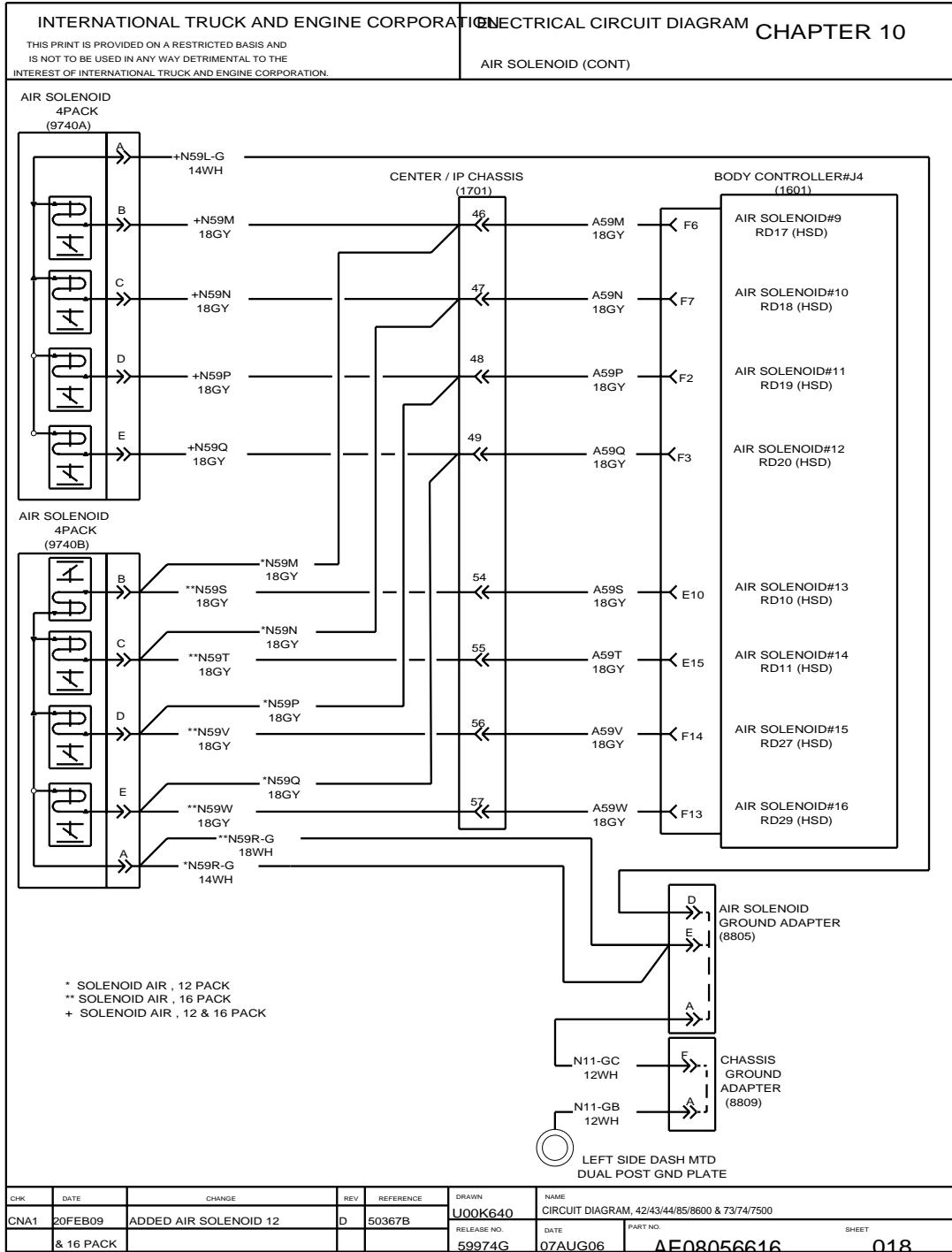


Figure 177 Air Solenoid (Cont.)

10.19. REMOTE POWER MODULE — BATTERY BOX MOUNTED, P. 19

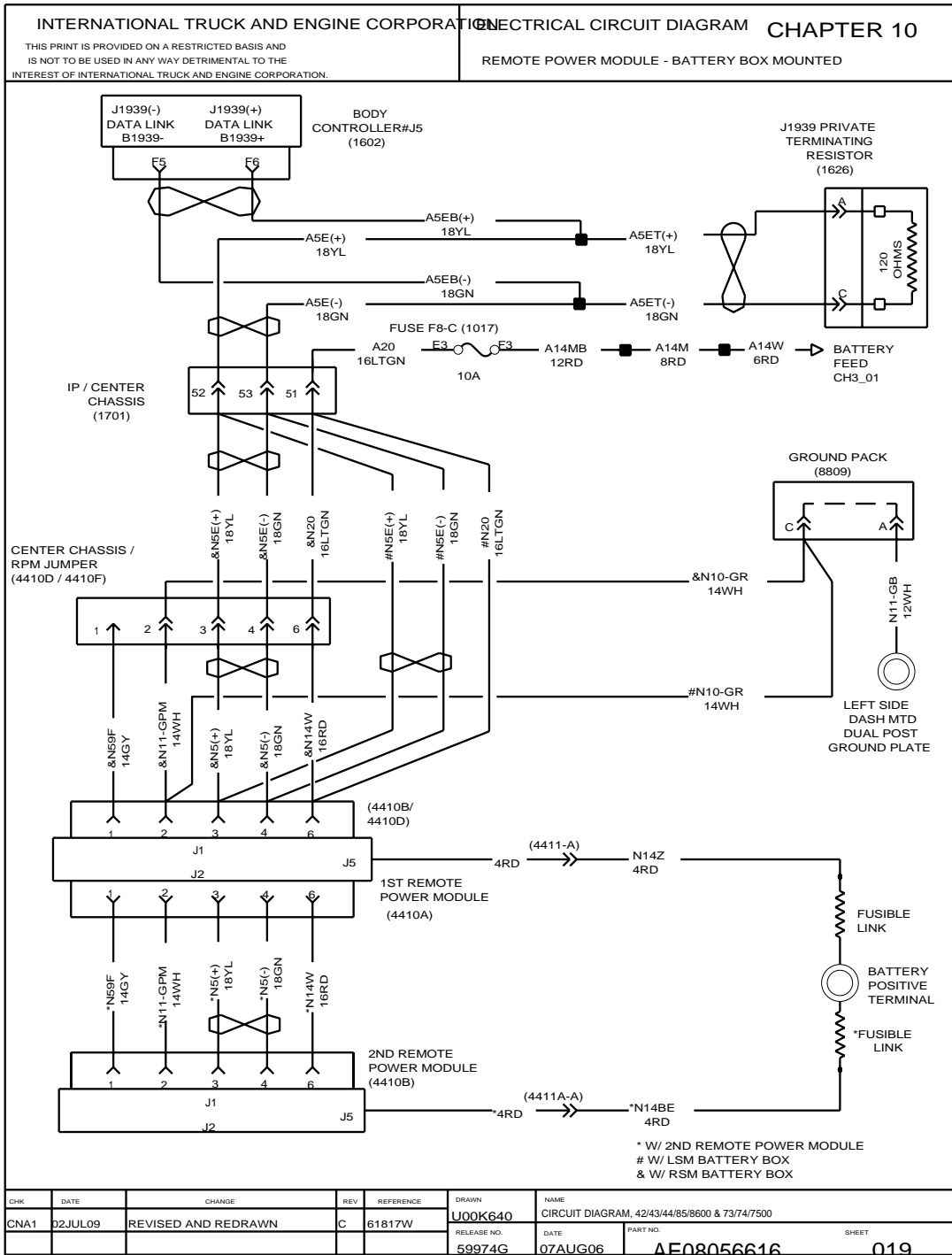


Figure 178 Remote Power Module — Battery Box Mounted

10.20. REMOTE POWER MODULE — CAB MOUNTED, P. 19A

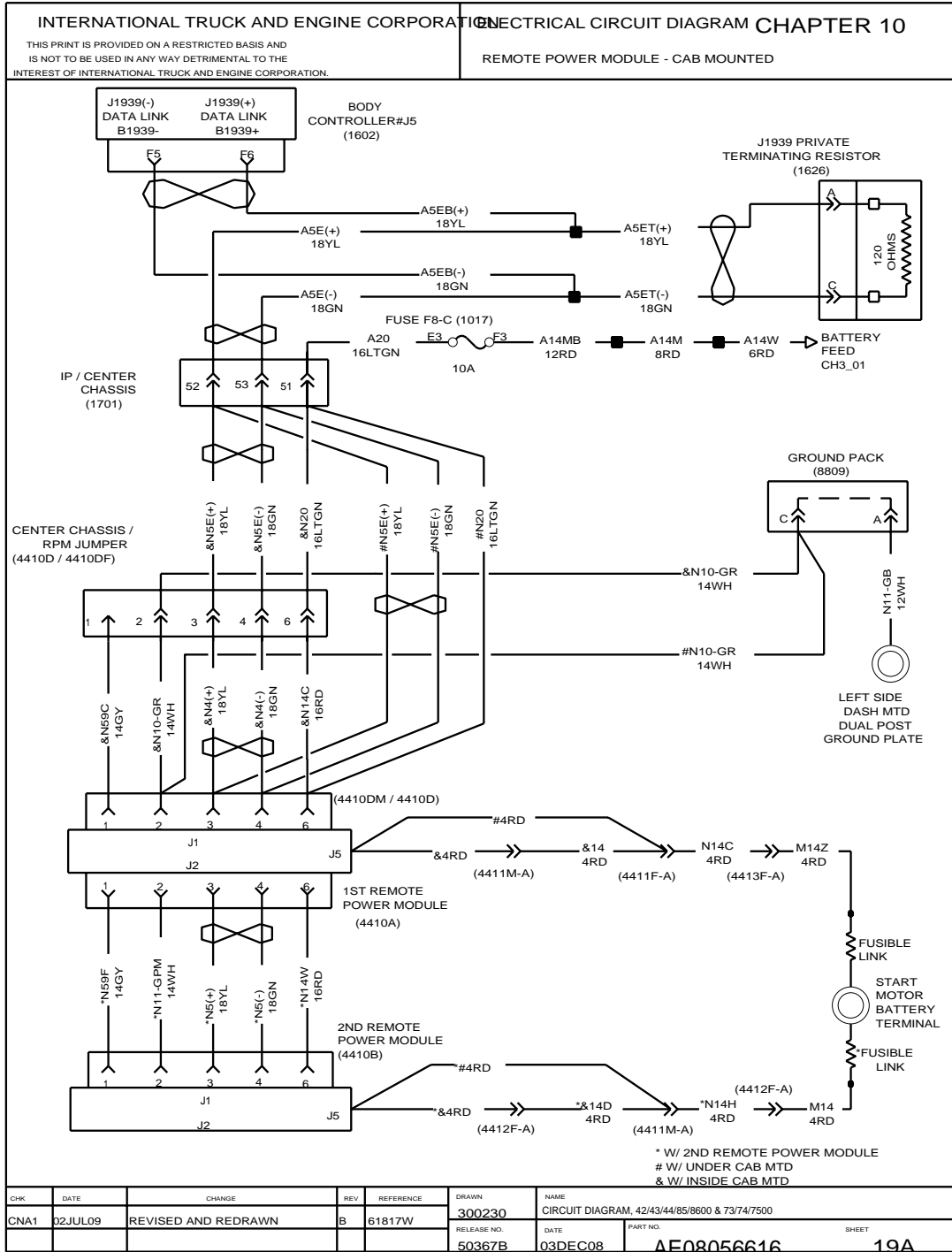


Figure 179 Remote Power Module — Cab Mounted

10.21. REMOTE POWER MODULE — END OF FRAME, P. 19B

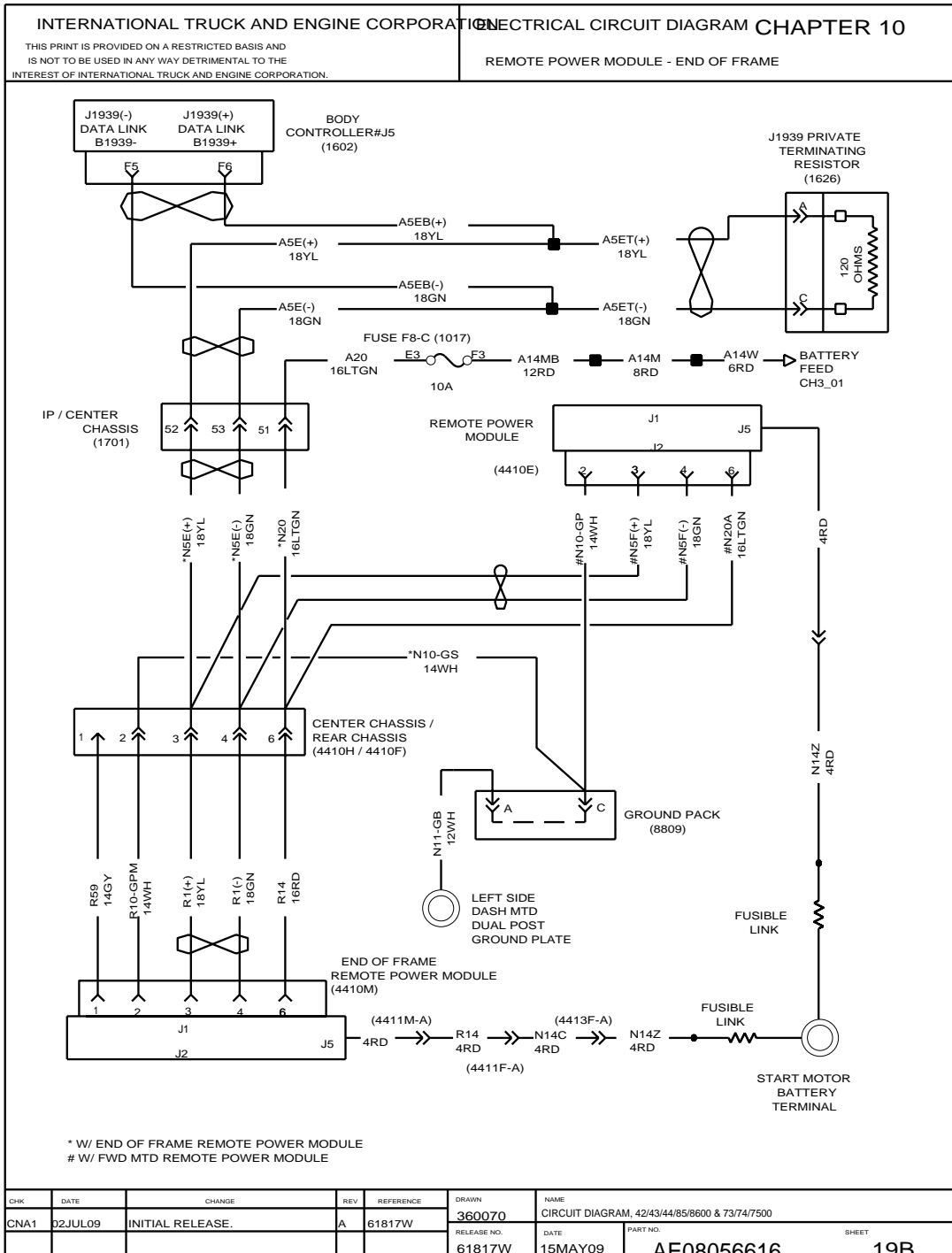


Figure 180 Remote Power Module — End of Frame



10.22. REMOTE ENGINE SPEED CONTROL MODULE — WITH REMOTE POWER MODULE, P. 19C

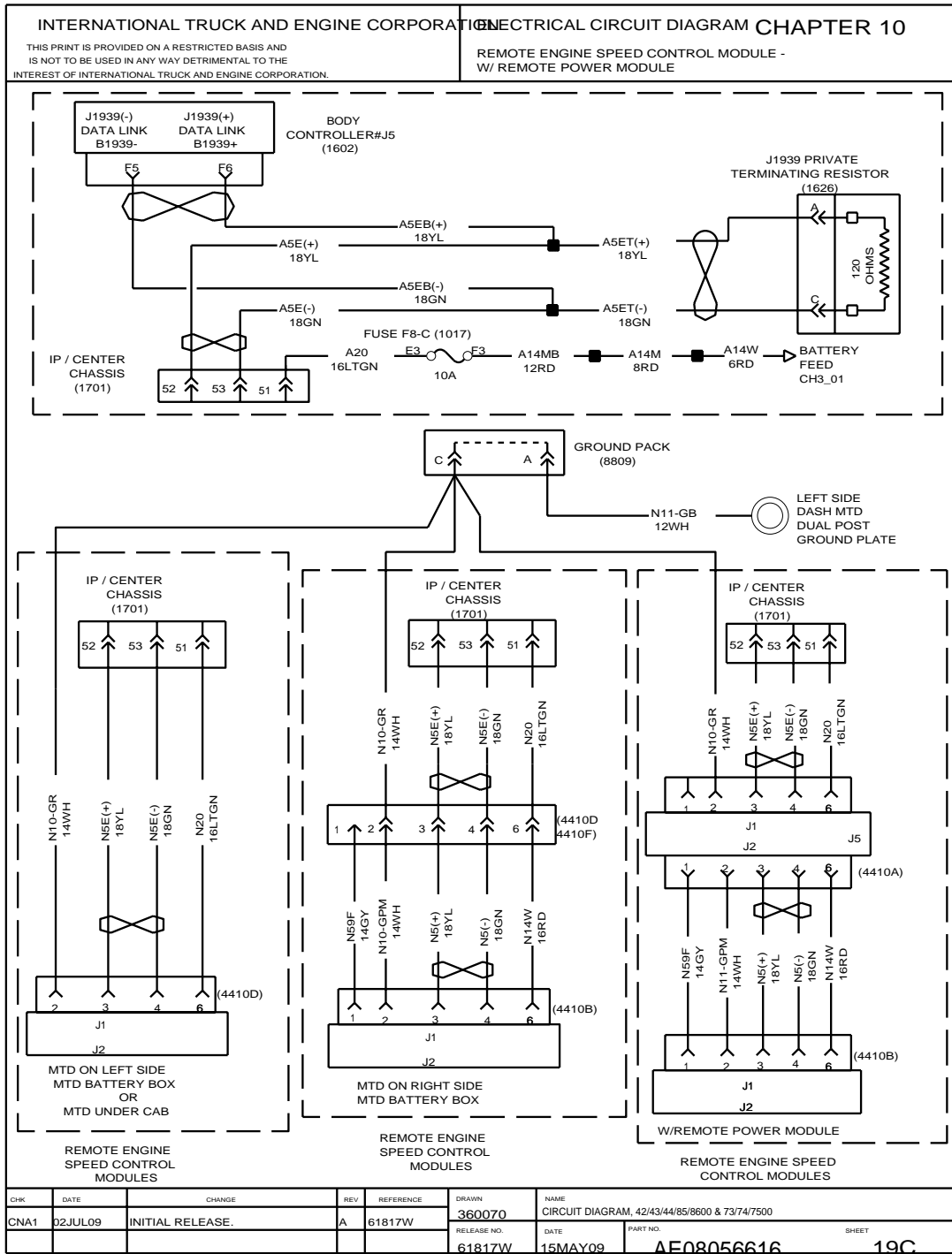


Figure 181 Remote Engine Speed Control Module — with Remote Power Module

10.23. BLANK PAGE, P. 20

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 10			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.											
<p>INTENTIONALLY LEFT BLANK</p>											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
					U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS					
					RELEASE NO.	DATE	PART NO.		SHEET		
					59974G	20APR06	AF08-56616		20		

Figure 182 Blank page

10.24. AUX AND POWER SOURCE, P. 21

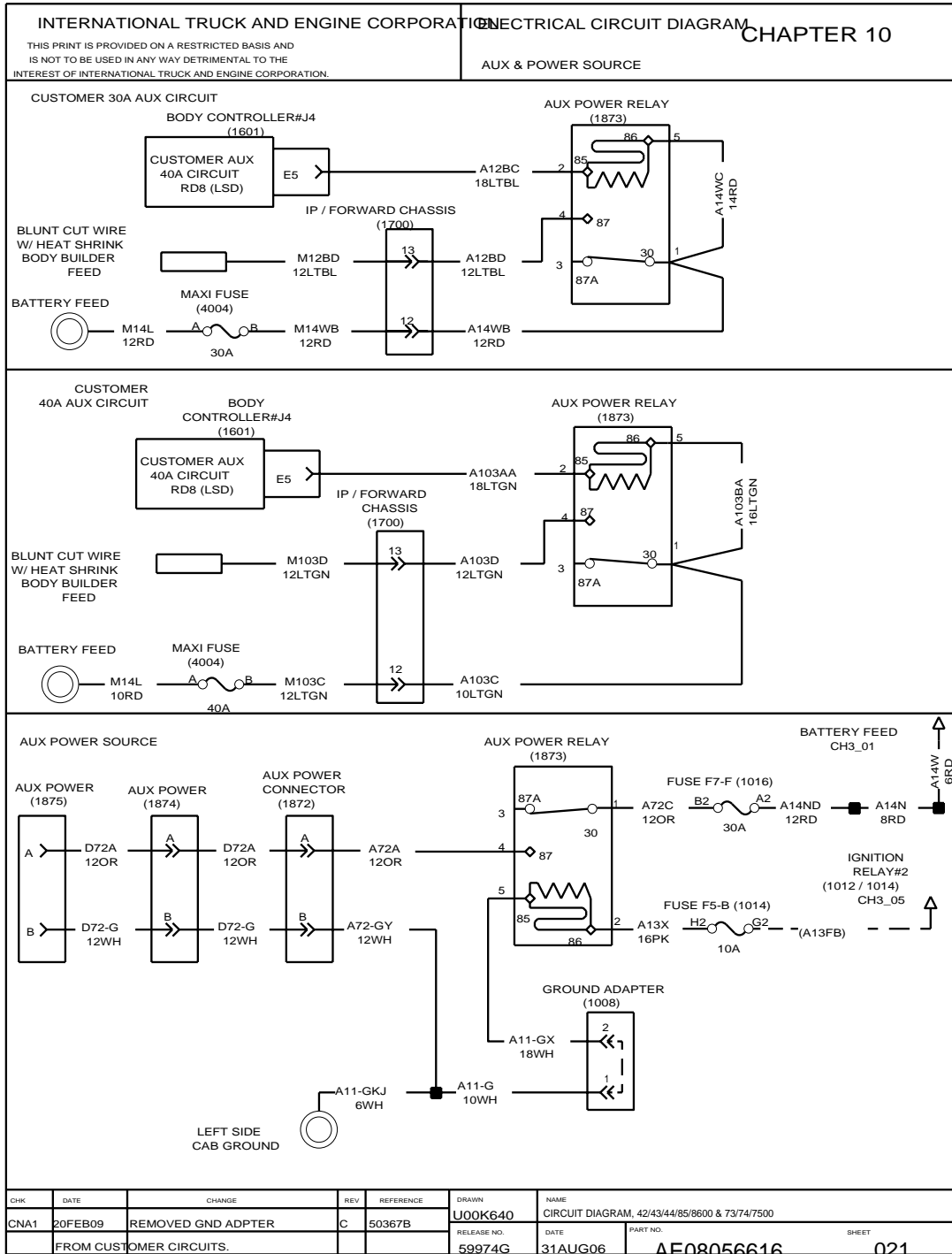


Figure 183 Aux and Power Source

10.25. AIR DRYER AND HEATED DRAIN VALVE, P. 22

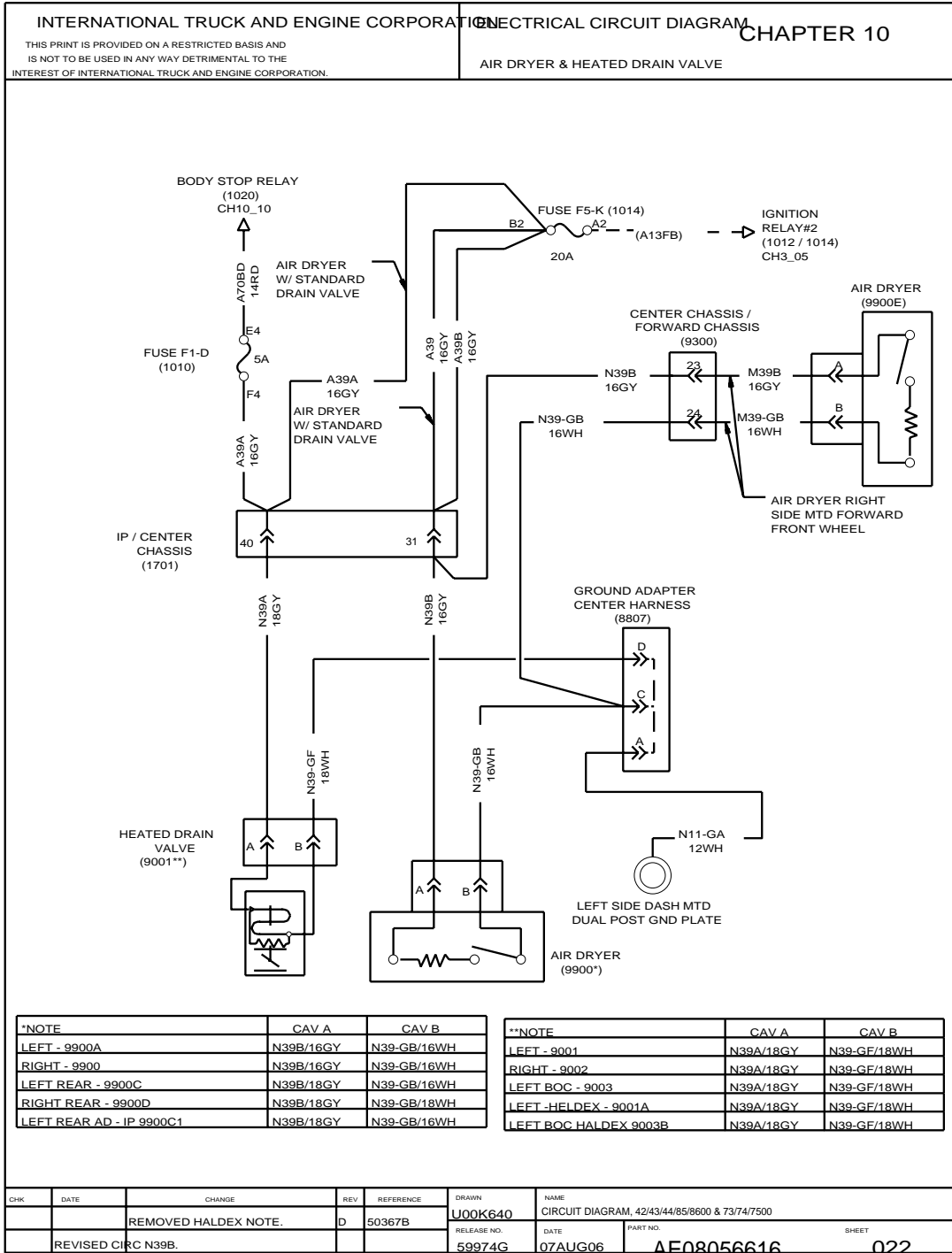


Figure 184 Air Dryer and Heated Drain Valve

10.26. FUEL / WATER SEPARATOR, P. 23

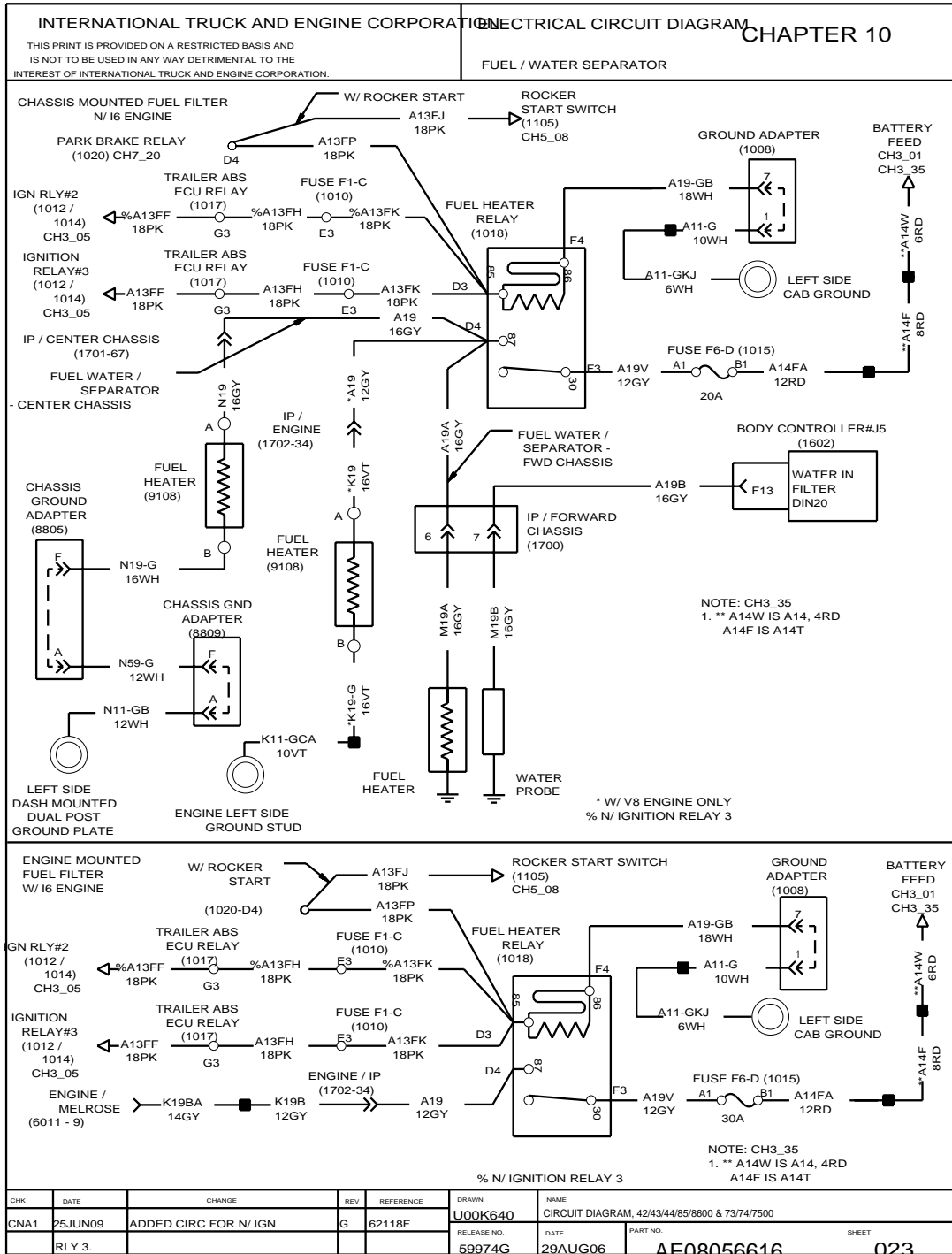


Figure 185 Fuel / Water Separator

10.27. ELECTRIC TRAILER BRAKE, P. 24

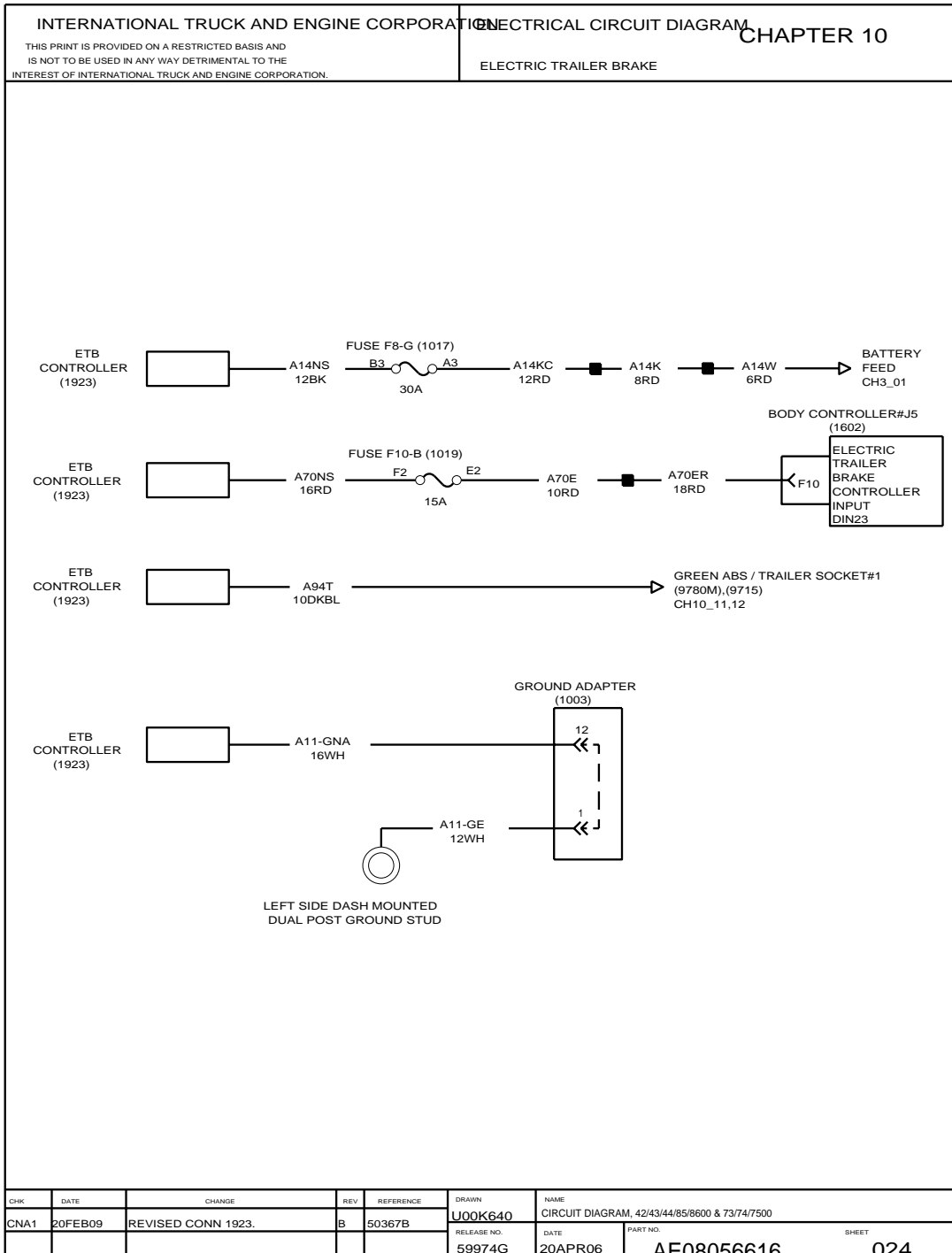


Figure 186 Electric Trailer Brake

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20FEB09	REVISED CONN 1923.	B	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 59974G	DATE 20APR06
						PART NO. AE08056616
						SHEET 024

10.28. LECTRASHIFT ACCOMMODATION, P. 25

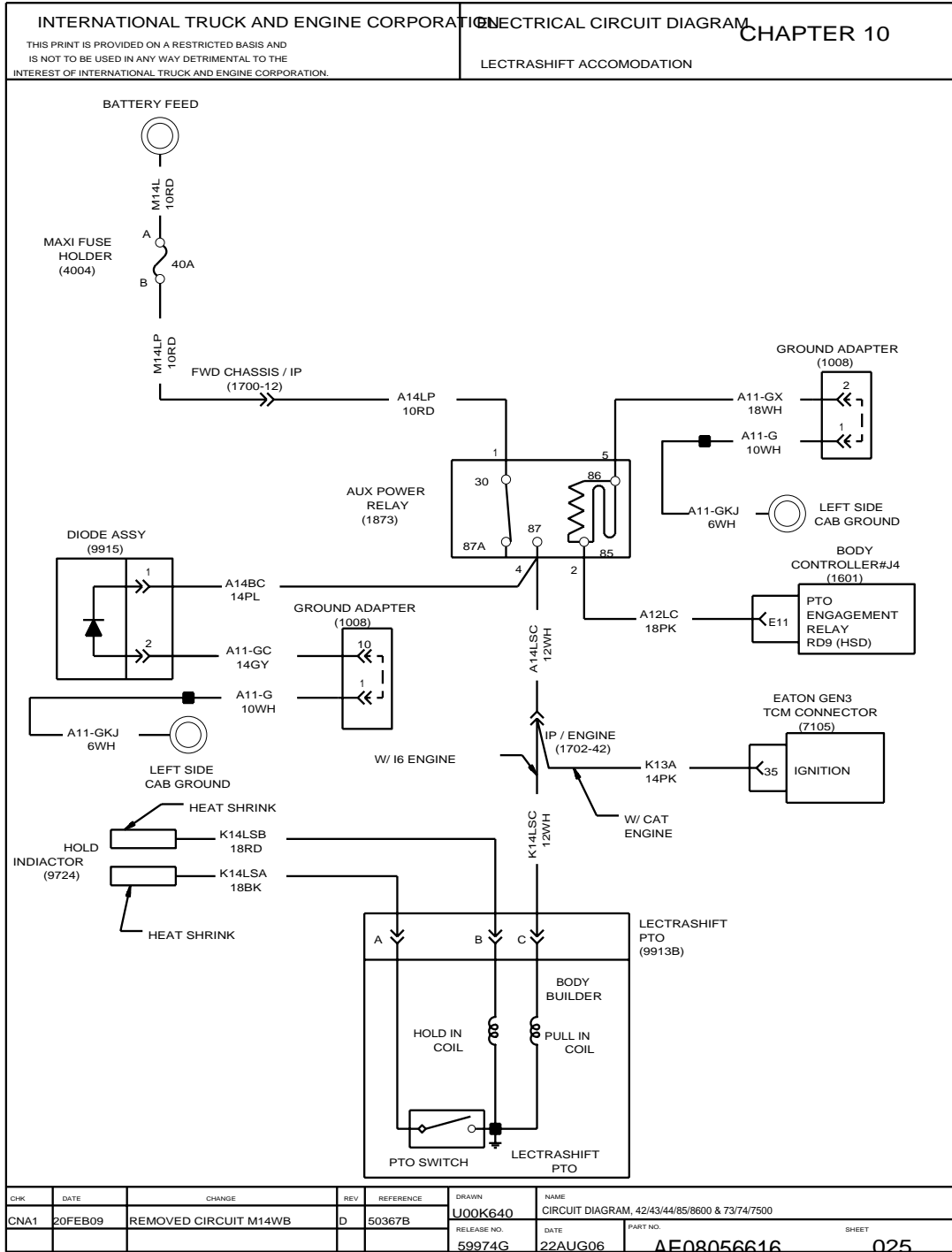


Figure 187 Lectrashift Accommodation

10.29. HOUR METER — PTO, P. 26

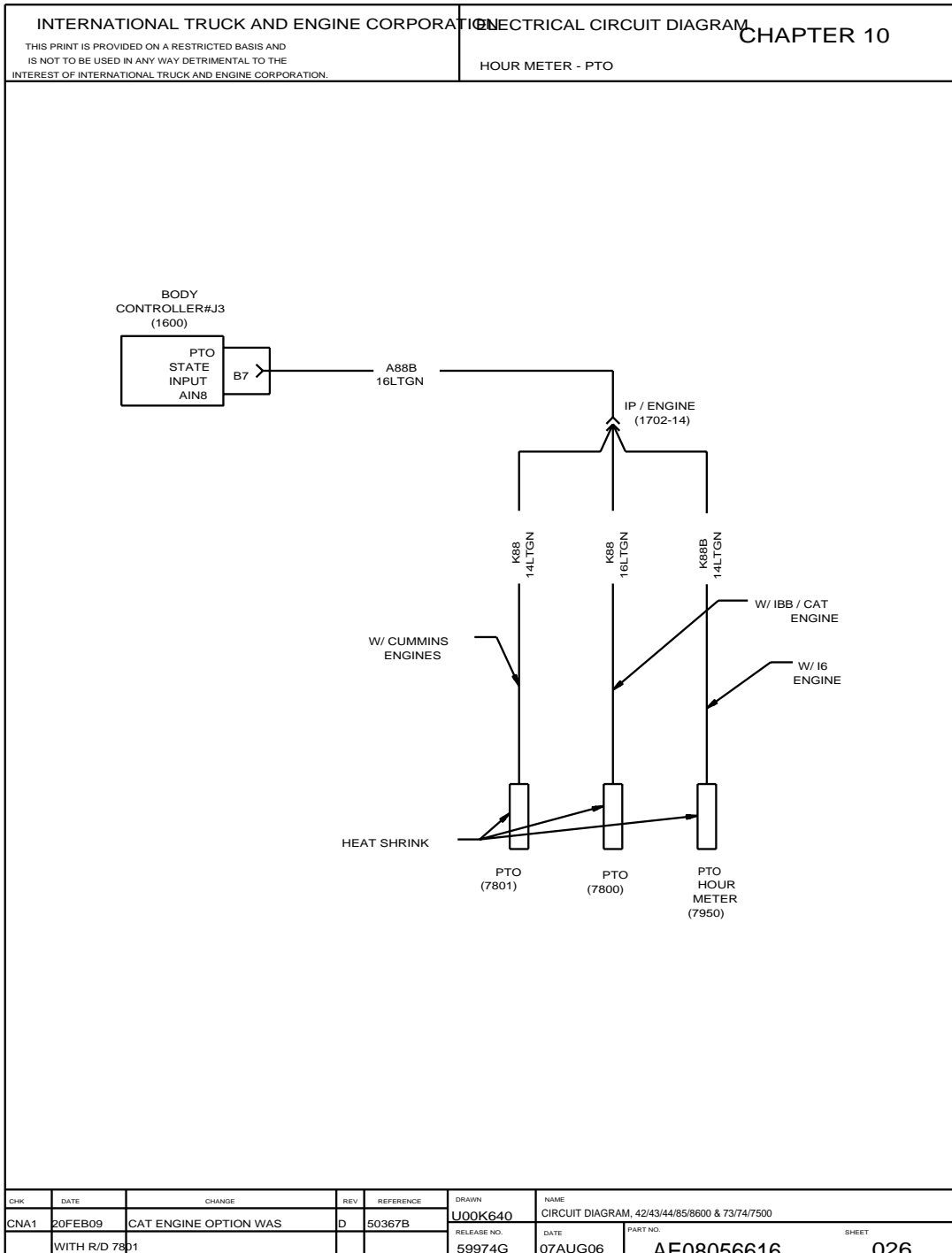


Figure 188 Hour Meter — PTO



10.30. AUX INPUTS AND DRIVERS, P. 27

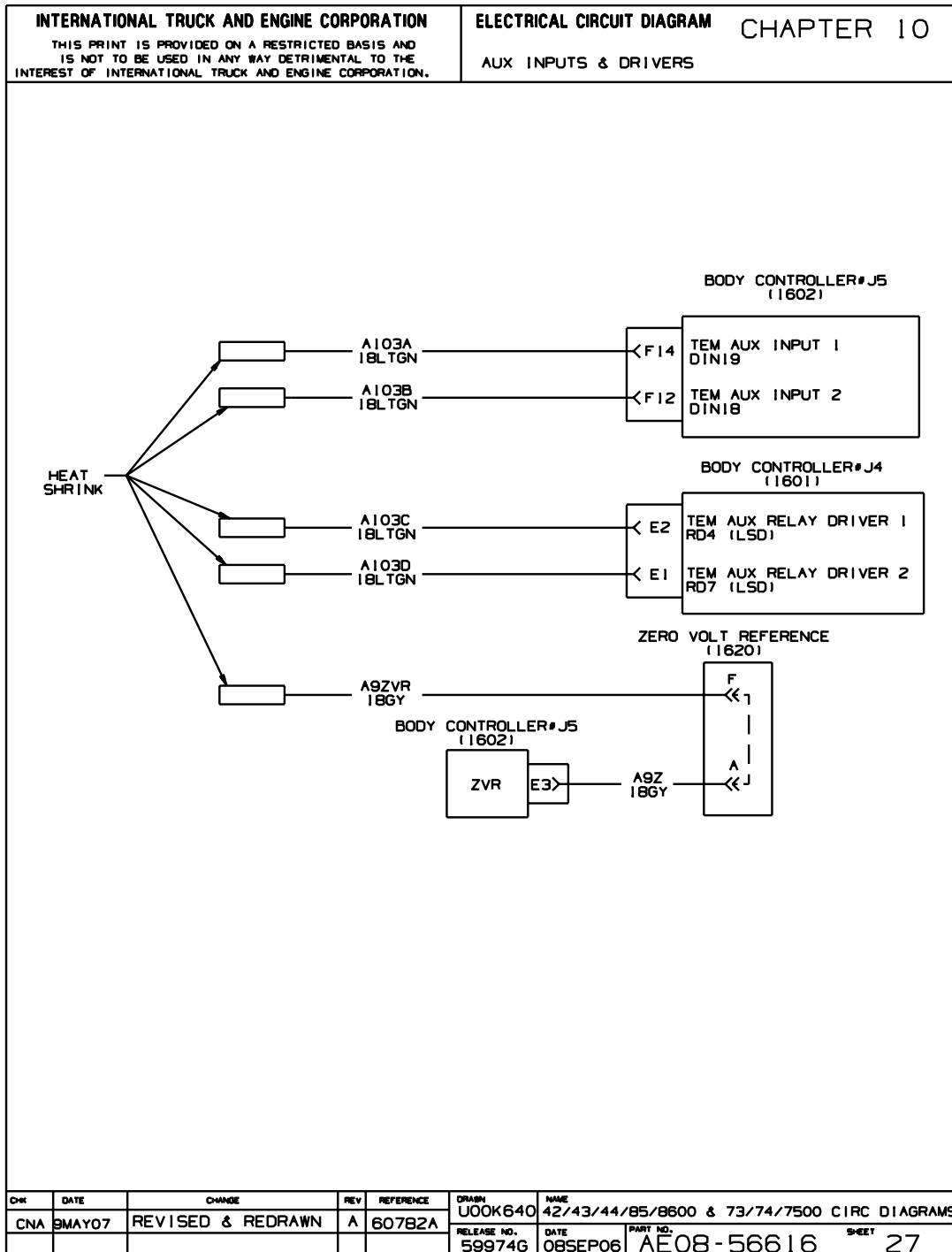


Figure 189 Aux Inputs and Drivers

10.31. FUEL TRANSFER PUMP, P. 28

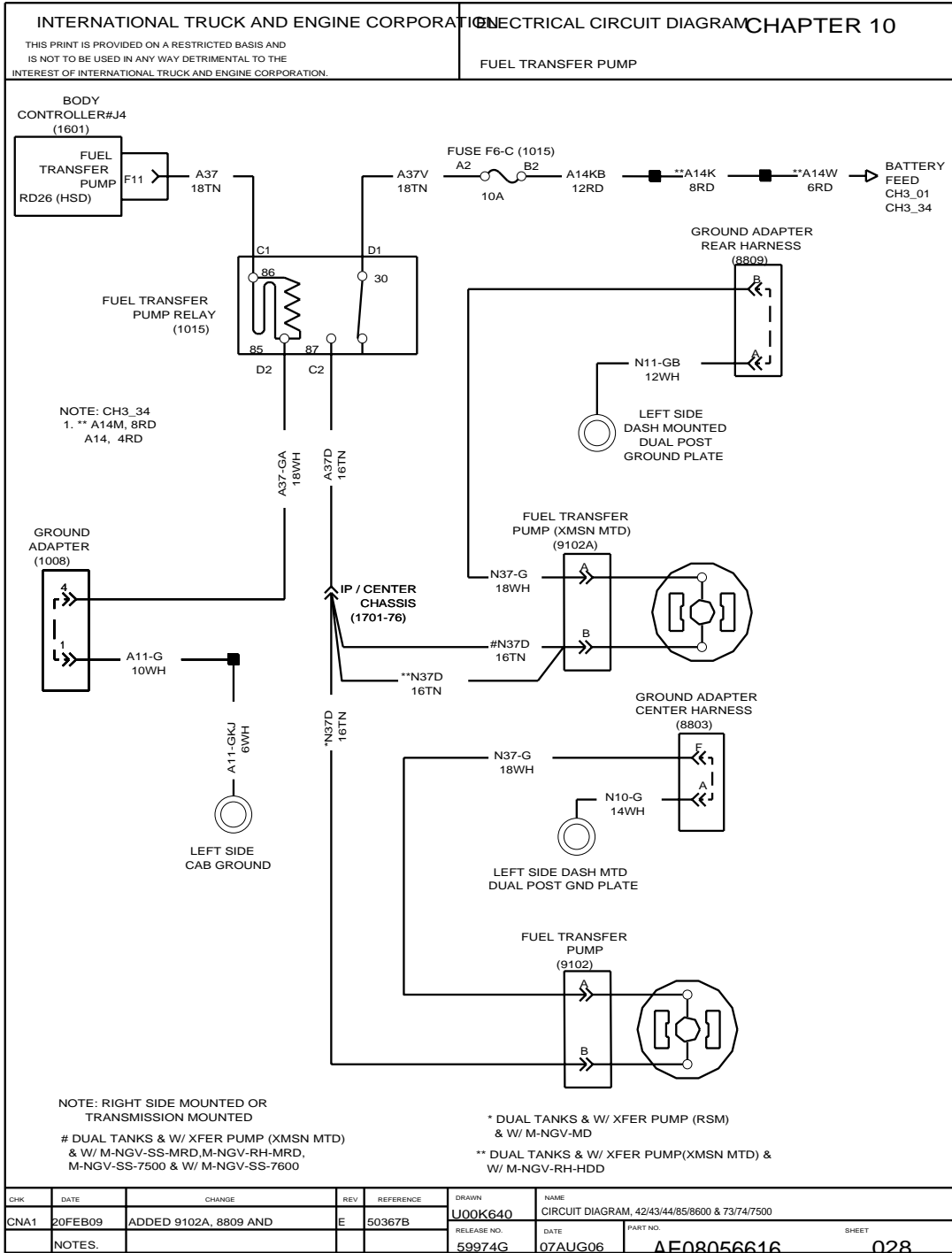


Figure 190 Fuel Transfer Pump

10.32. BLANK PAGE, P. 29

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM		CHAPTER 10	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.							
<p style="font-size: 24px; margin: 0;">INTENTIONALLY</p> <p style="font-size: 24px; margin: 0;">LEFT BLANK</p>							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
					U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	
					RELEASE NO.	DATE	PART NO.
					59974G	07AUG06	AF08-56616
						SHEET	29

Figure 191 Blank Page

10.33. BLANK PAGE, P. 30

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 10	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.									
INTENTIONALLY  LEFT BLANK									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	20FEB09	REMOVED GEOMETRY	B	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500			
					RELEASE NO.	DATE	PART NO.	SHEET	
					59974G	07AUG06	AE08056616	030	

Figure 192 Blank Page

10.34. BLANK PAGE, P. 31

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM				CHAPTER 10	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.									
INTENTIONALLY LEFT BLANK									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	20FEB09	REMOVED GEOMETRY	B	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500			
					RELEASE NO.	DATE	PART NO.	SHEET	
					59974G	20APR06	AE08056616	031	

Figure 193 Blank Page

10.35. POWER SOURCE, CUSTOMER INSTALLED LIFT GATE, P. 32

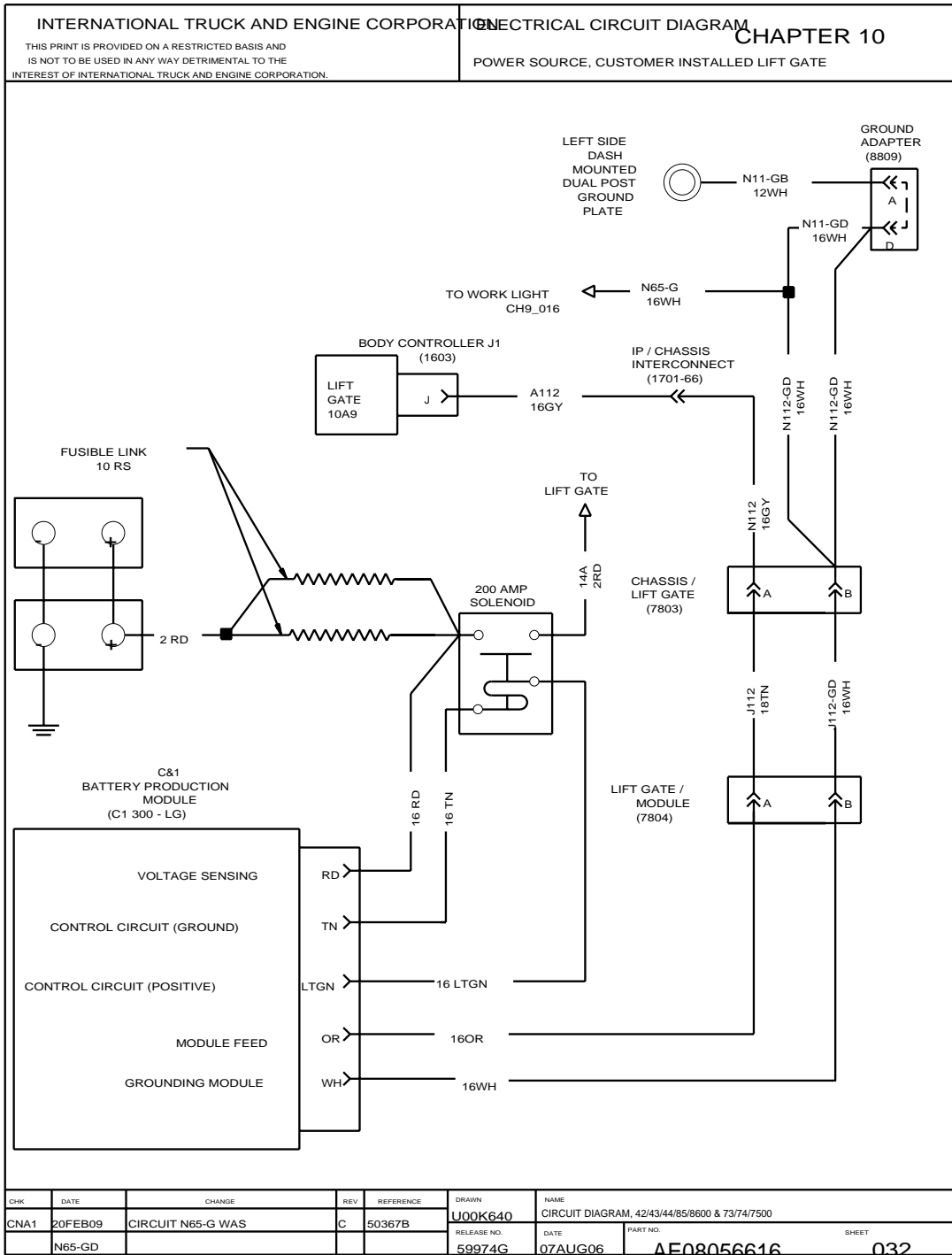


Figure 194 Power Source, Customer Installed Lift Gate

10.36. WHEELCHAIR LIFT INTERLOCK, P. 33

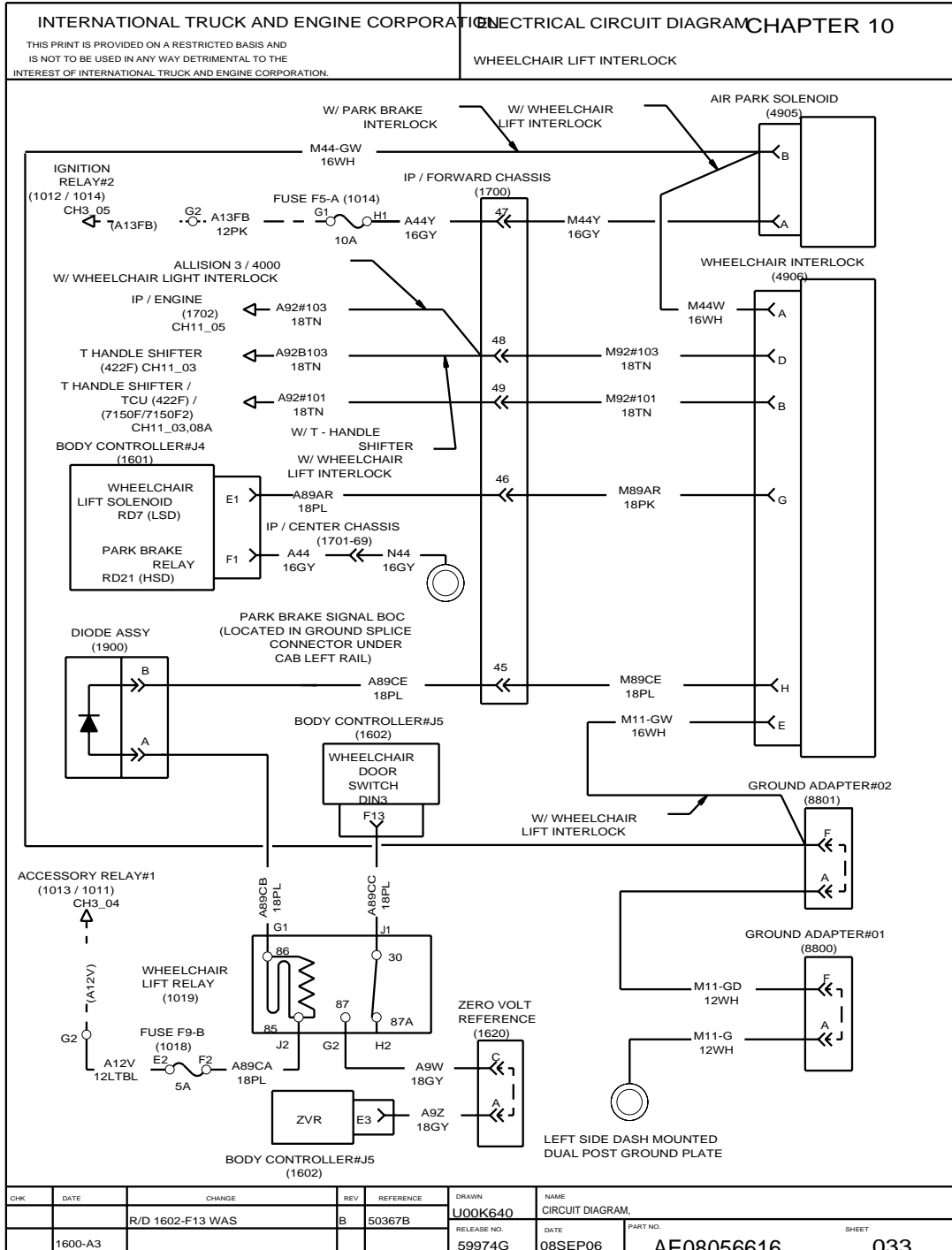


Figure 195 Wheelchair Lift Interlock

10.37. LIFT AXLE WITH CONTROLS FOR ONE LIFT AXLE, P. 34

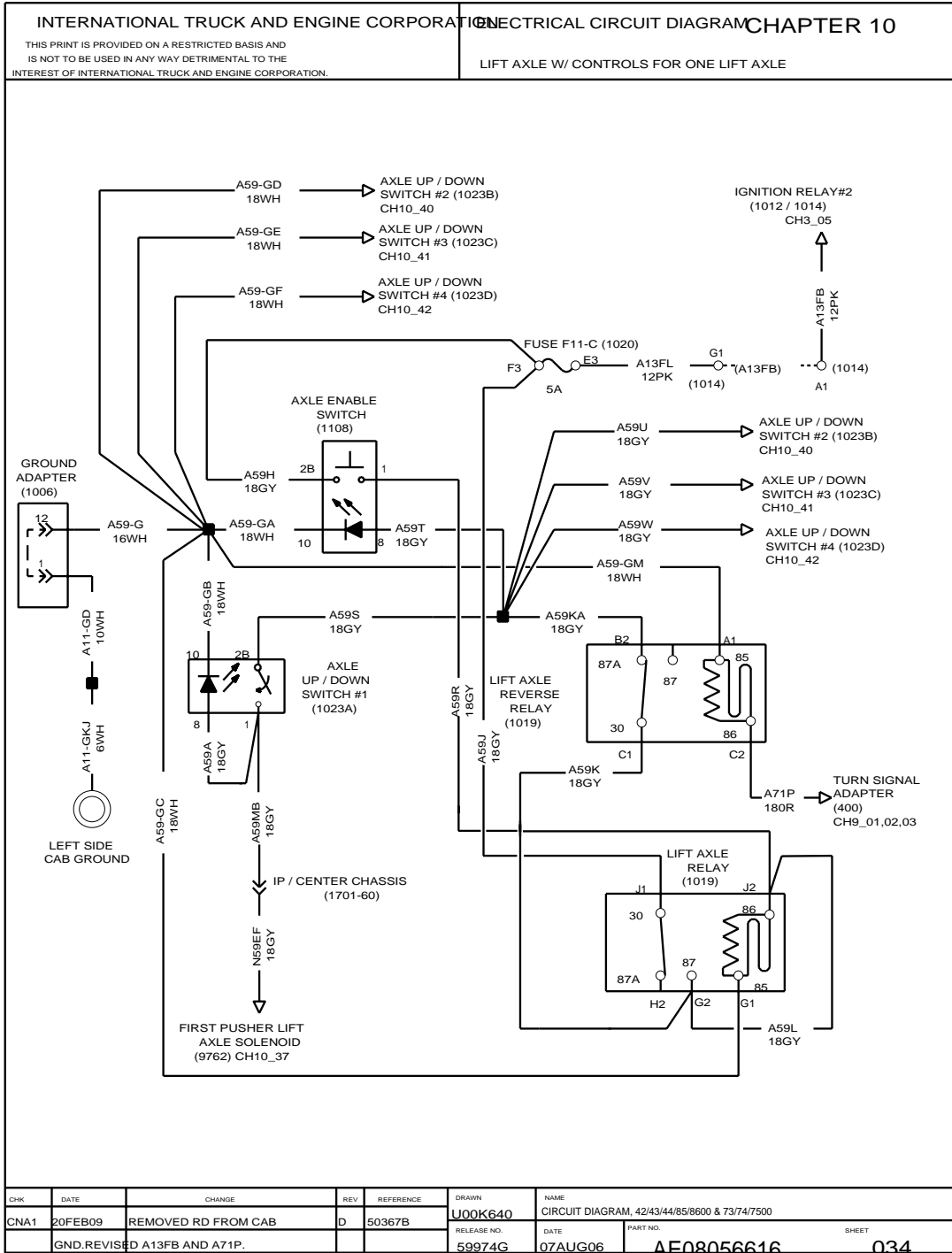


Figure 196 Lift Axle with Controls for One Lift Axle



10.38. LIFT AXLE (NON-STEERABLE), P. 35

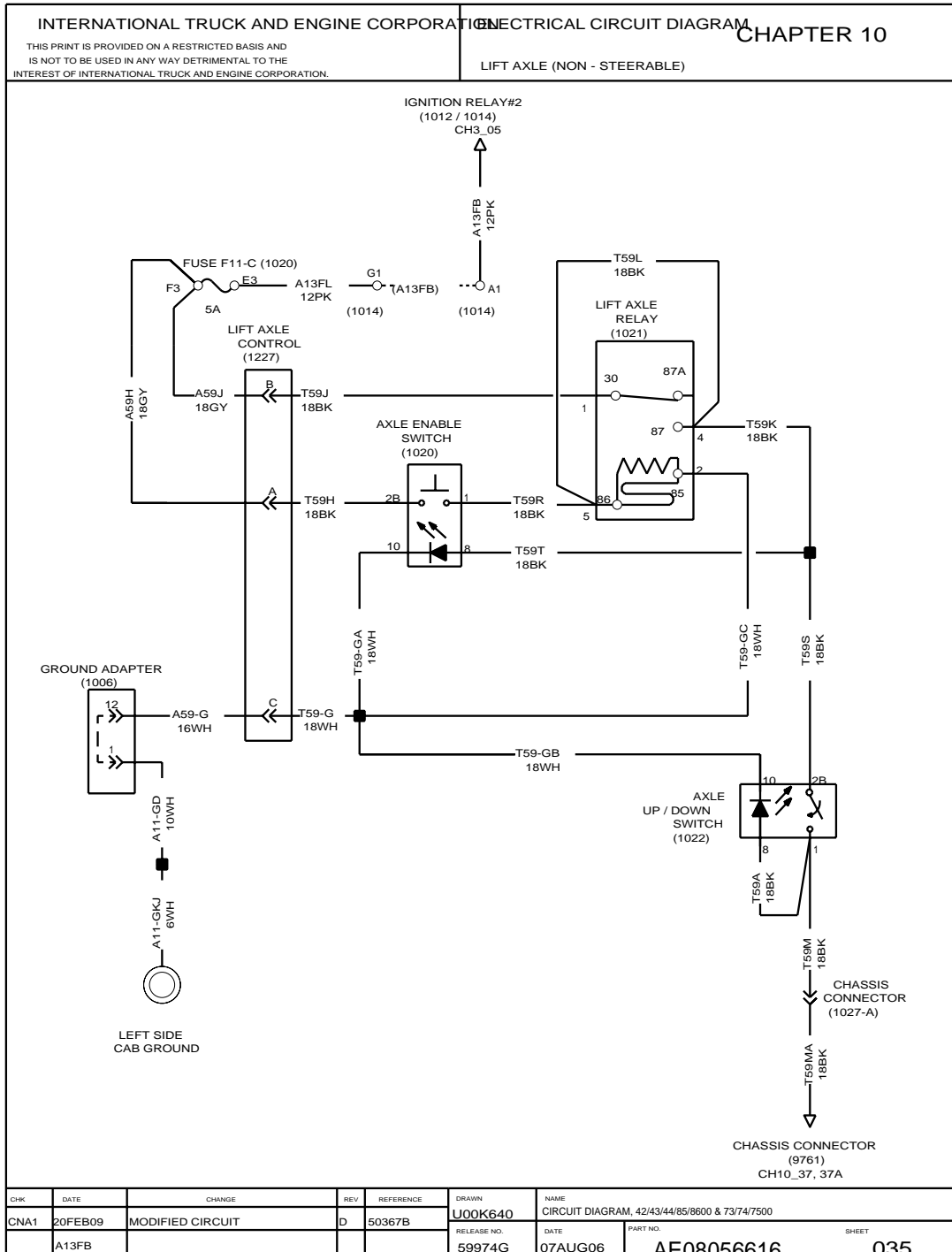


Figure 197 Lift Axle (Non-Steerable)

10.39. LIFT AXLE (STEERABLE), P. 36

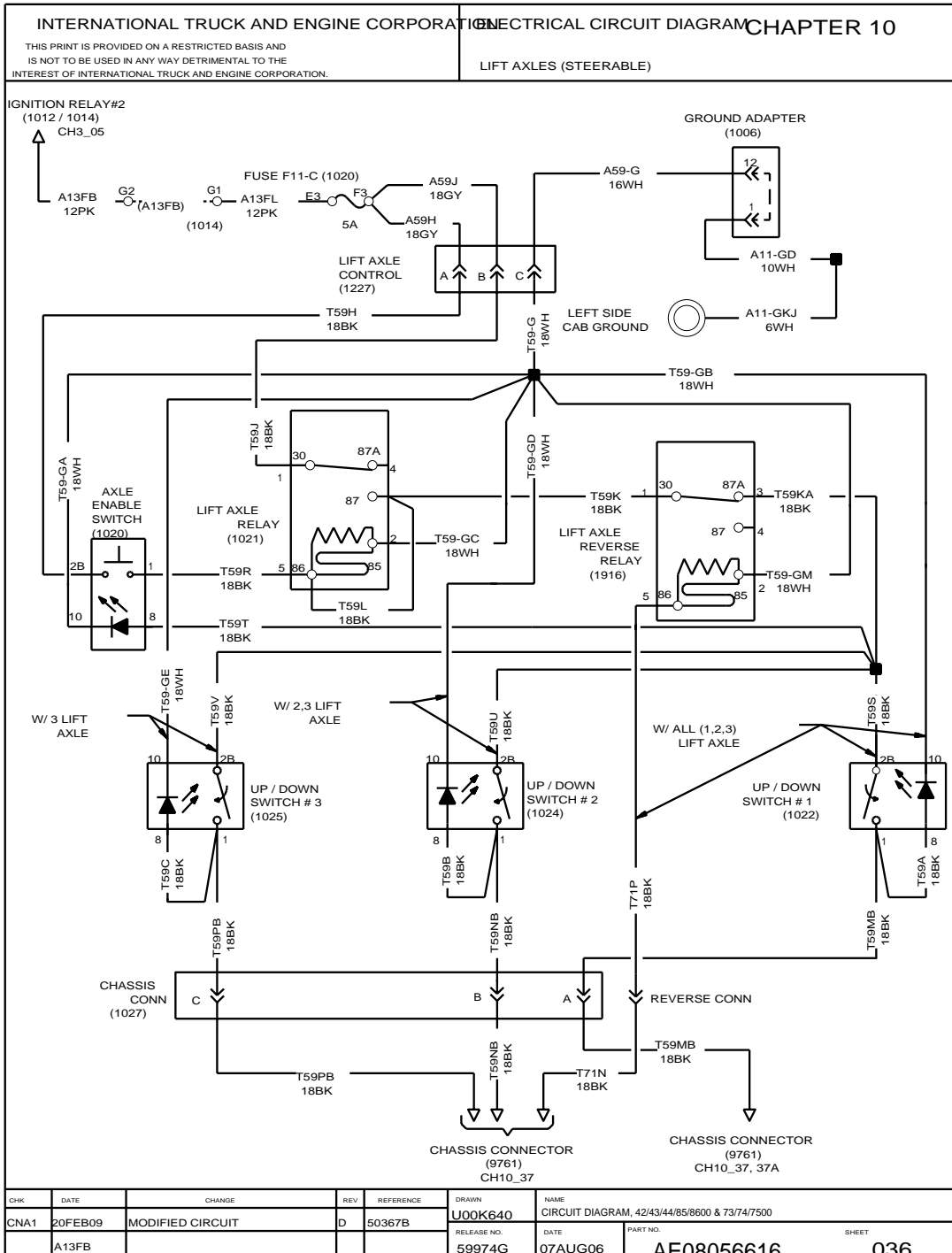


Figure 198 Lift Axle (Steerable)



10.41. LIFT AXLES, P. 37A

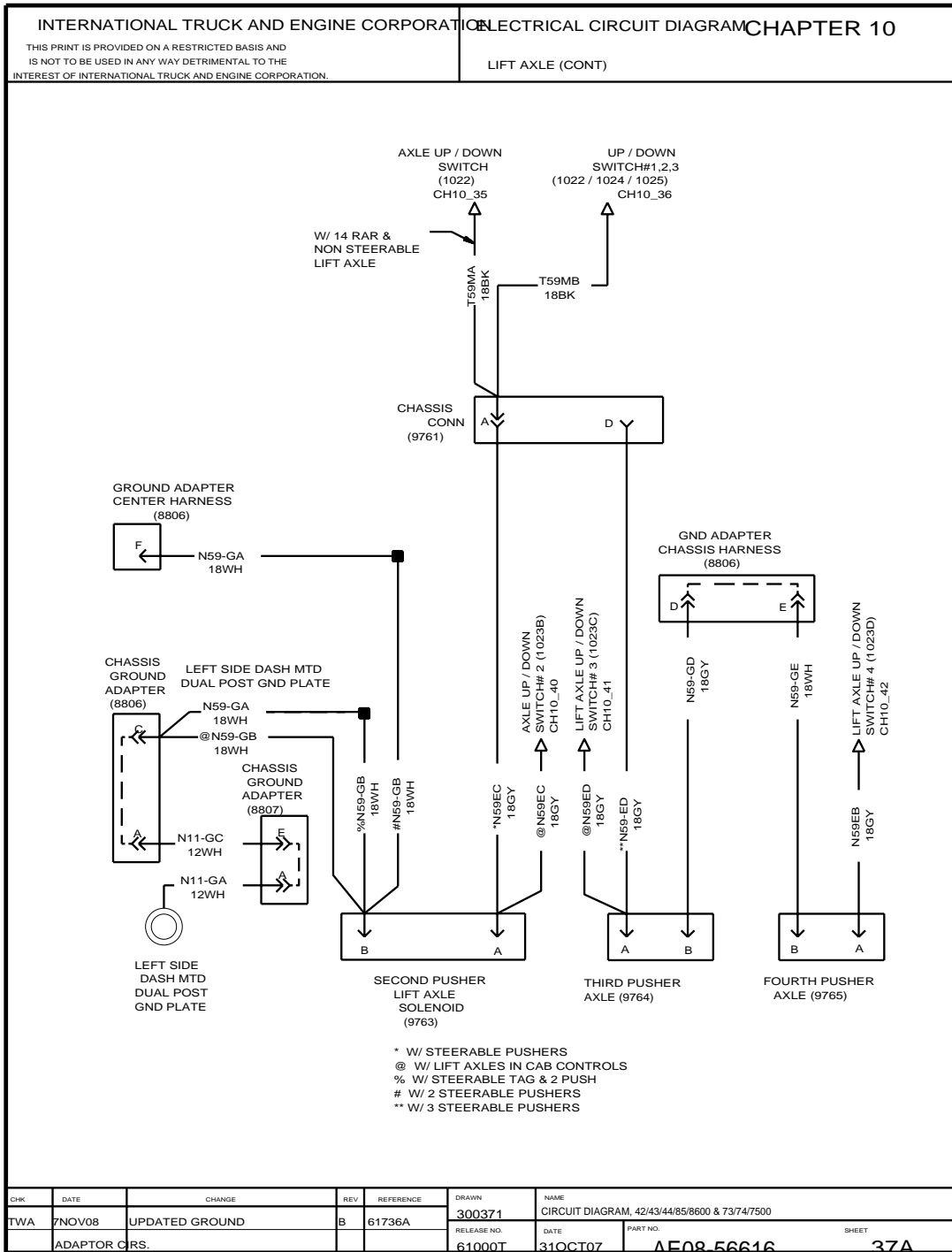


Figure 200 Lift Axles

10.42. ABS — BENDIX AIR 6S/6M, P. 38

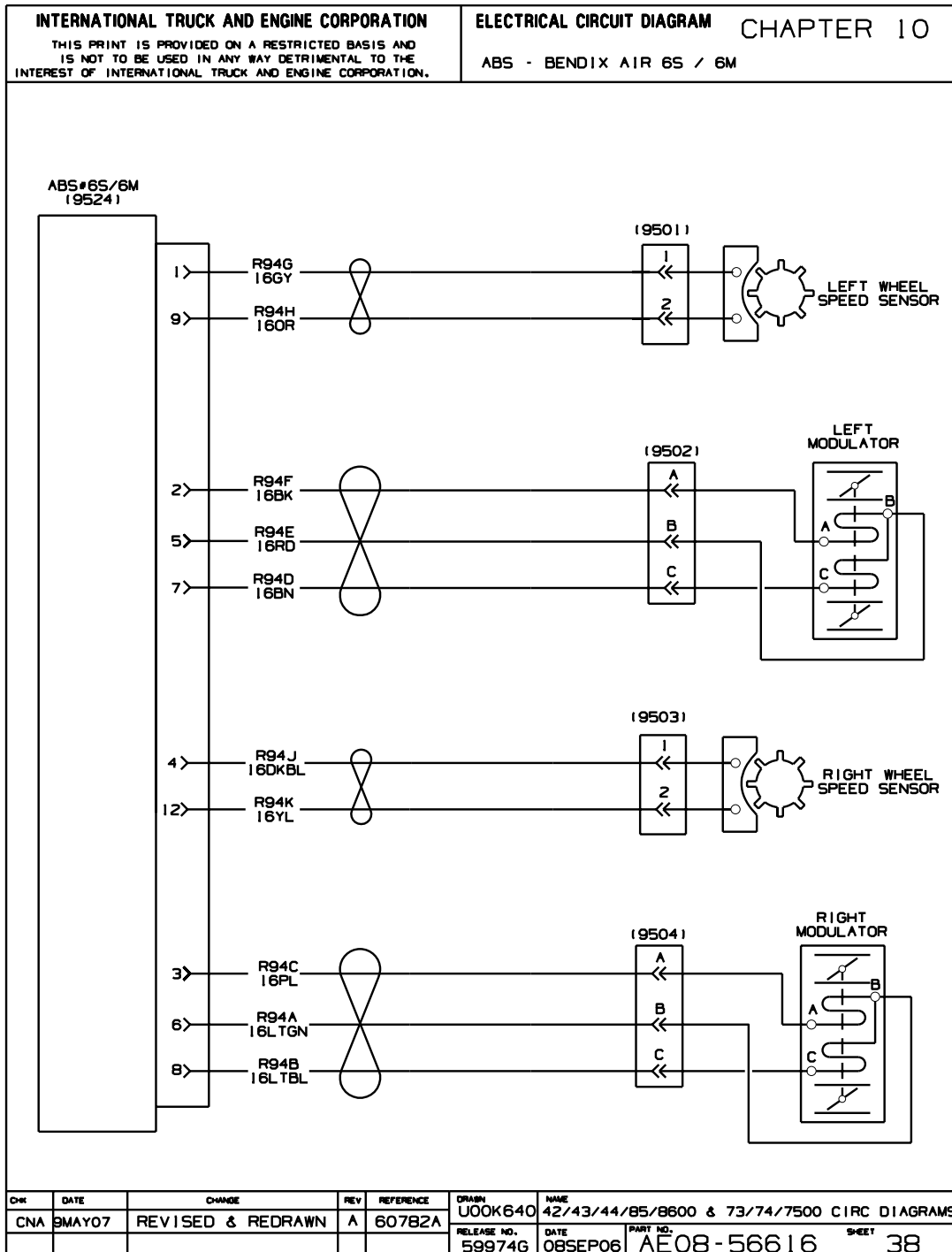


Figure 201 ABS — Bendix Air 6S/6M

10.43. ABS — BENDIX AIR 6S/6M, P. 39

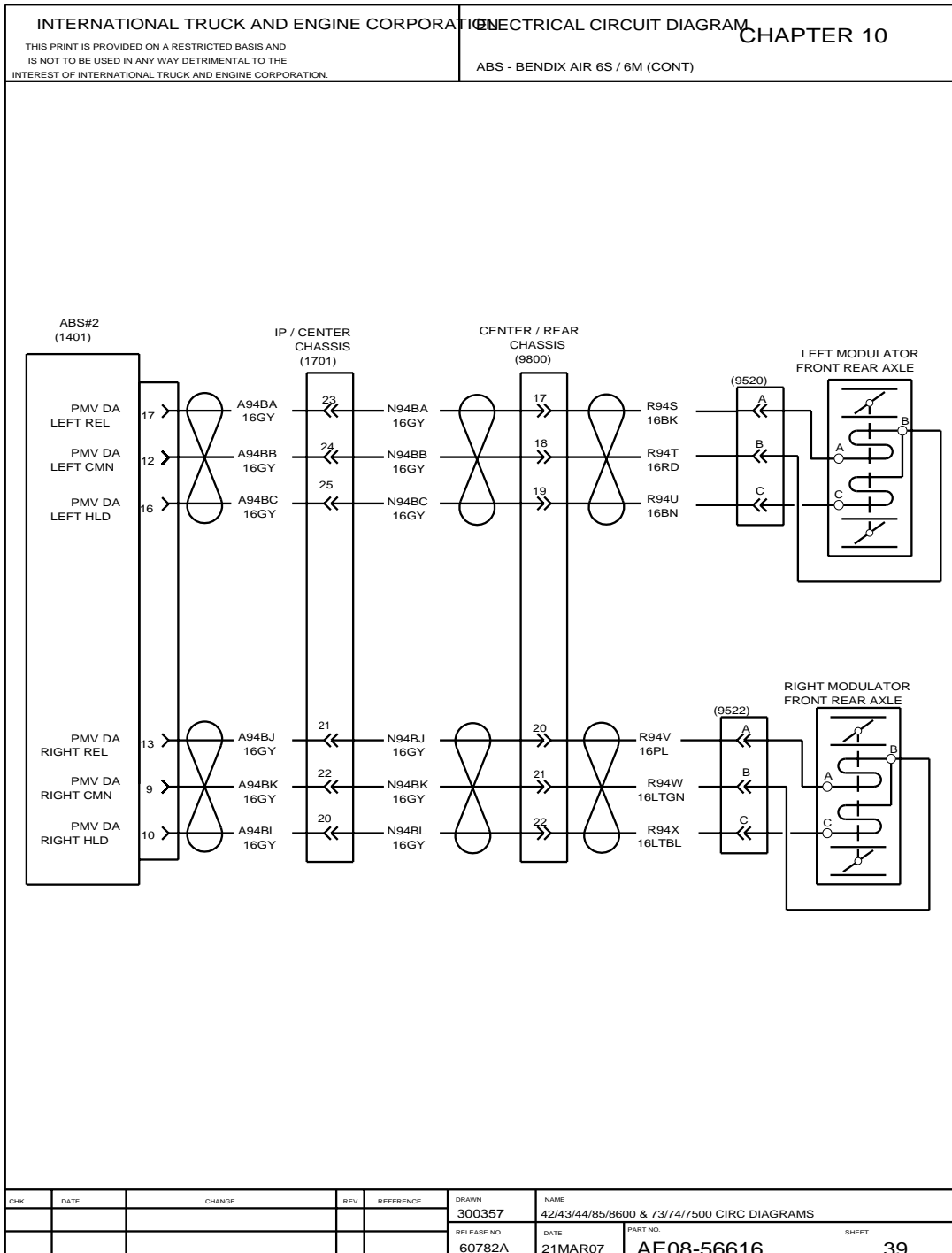


Figure 202 ABS — Bendix Air 6S/6M

10.44. LIFT AXLE WITH CONTROLS FOR TWO LIFT AXLES, P. 40

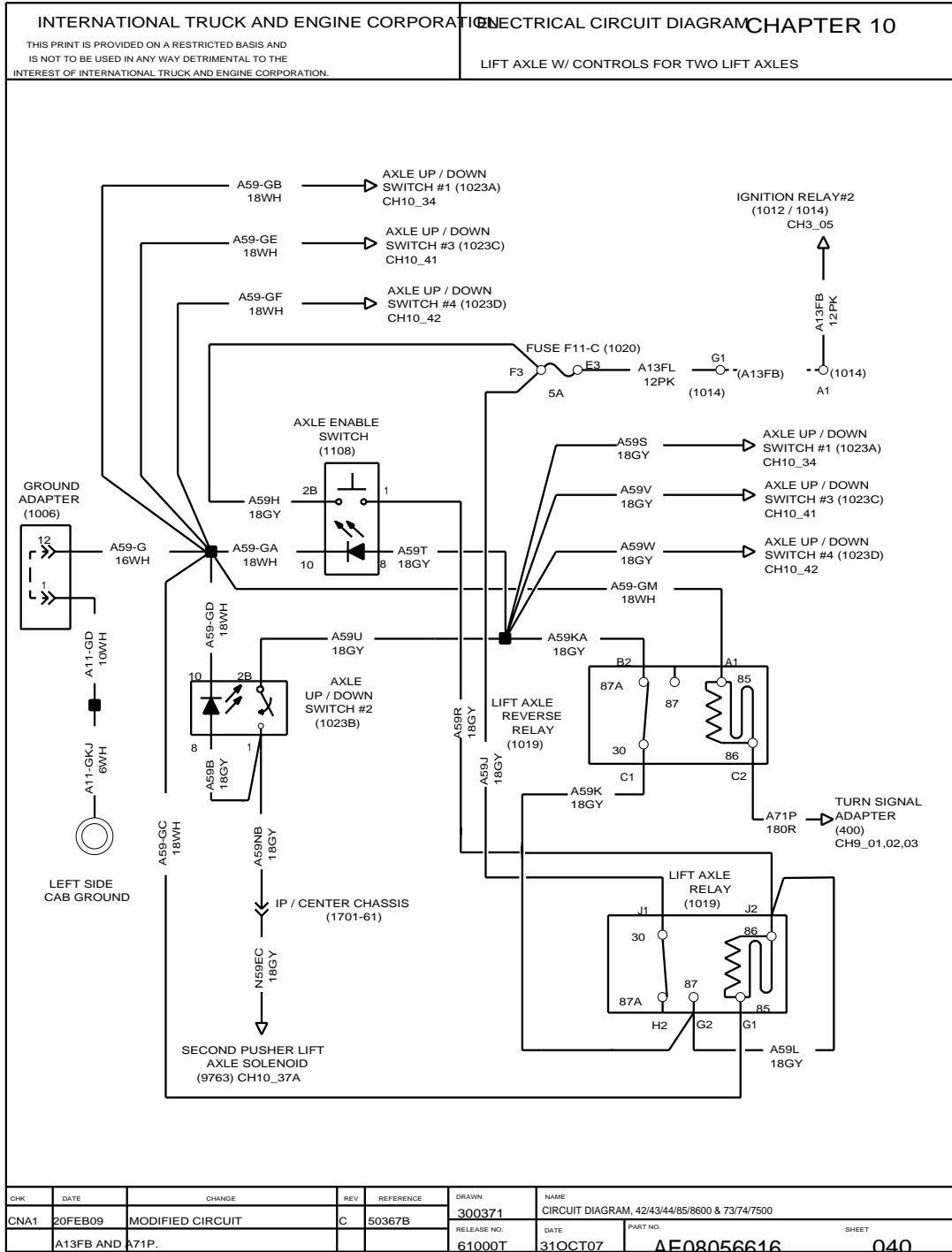


Figure 203 Lift Axle with Controls for Two Lift Axles

10.45. LIFT AXLE WITH CONTROLS FOR THREE LIFT AXLES, P. 41

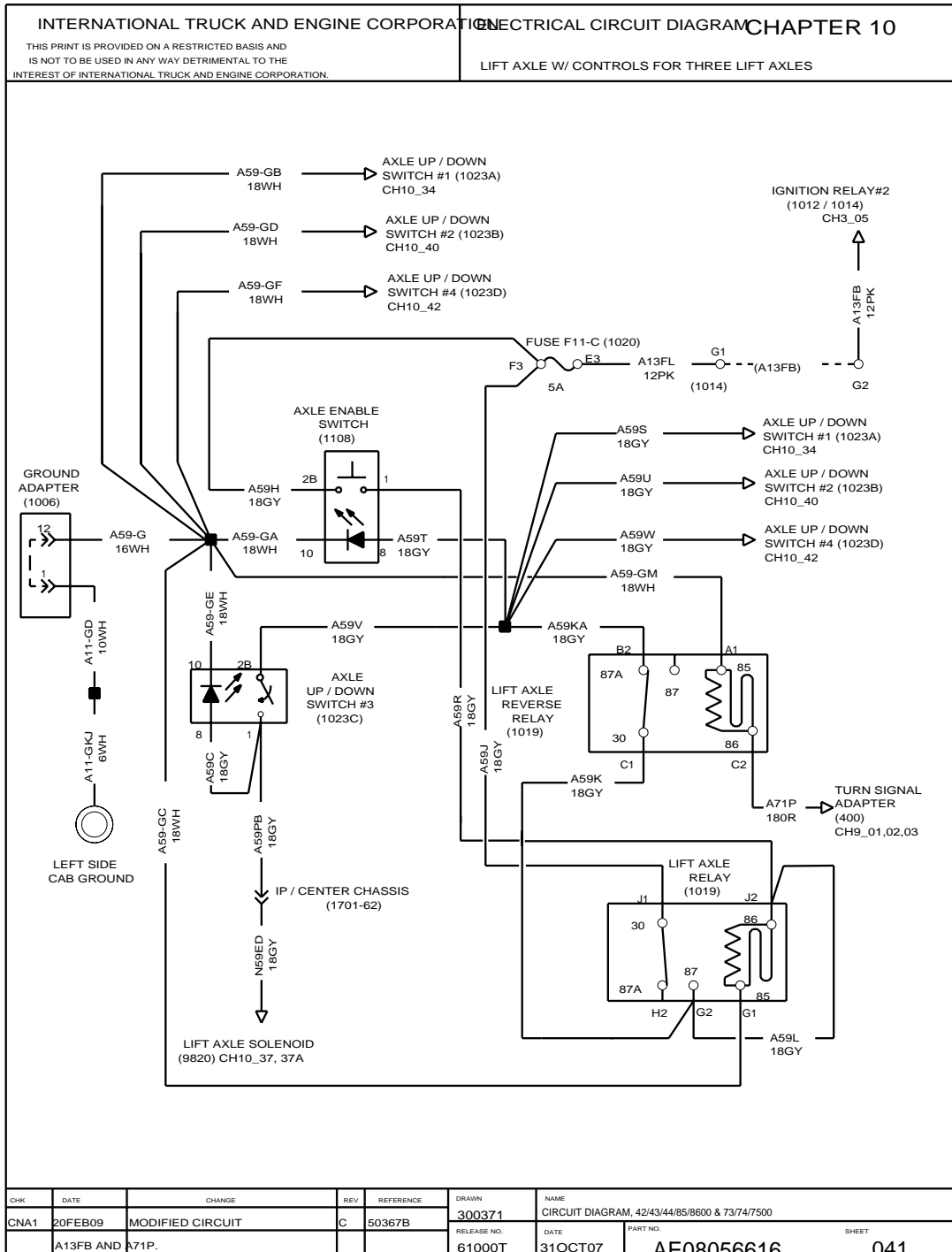


Figure 204 Lift Axle with Controls for Three Lift Axles



10.46. LIFT AXLE WITH CONTROLS FOR FOUR LIFT AXLES, P. 42

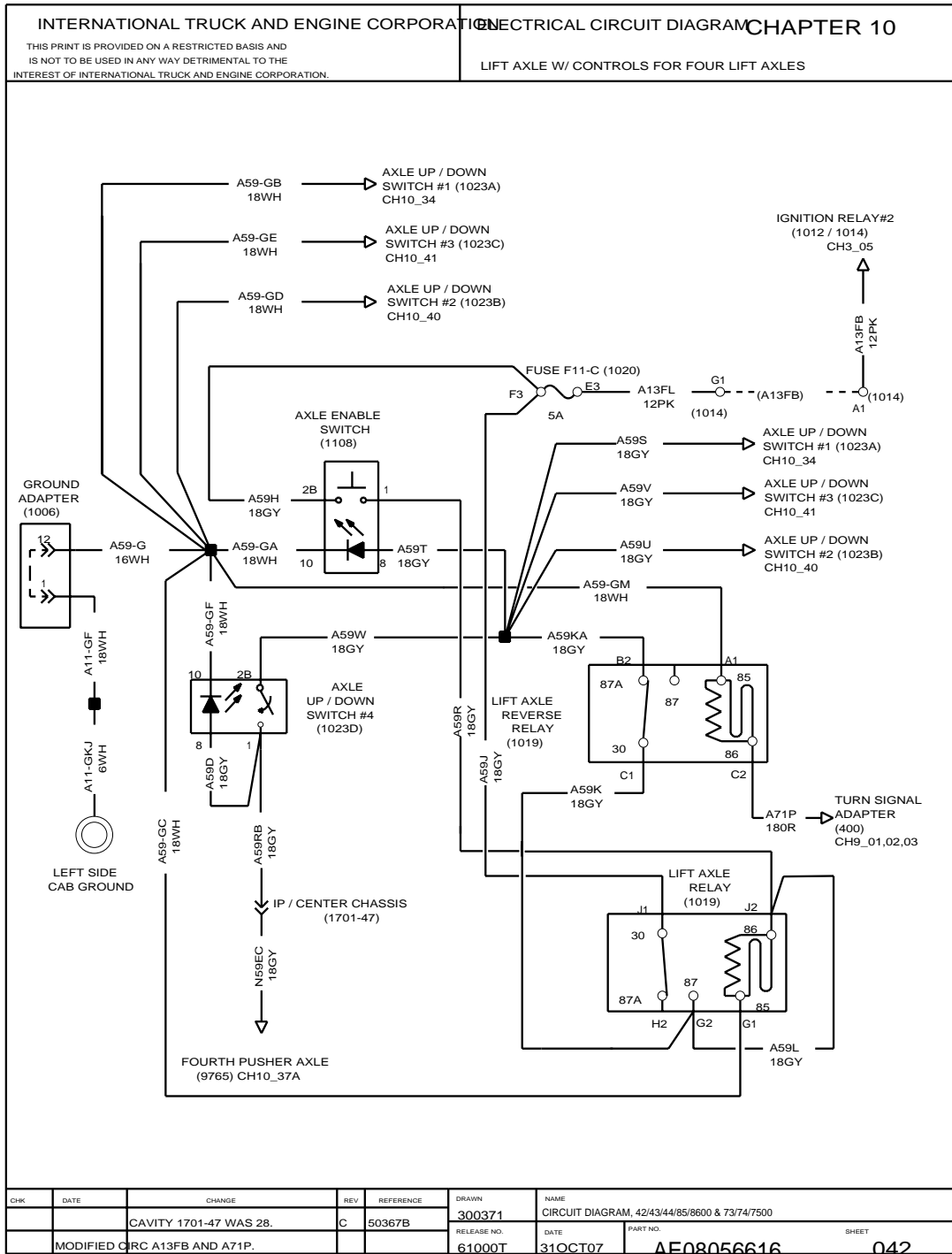


Figure 205 Lift Axle with Controls for Four Lift Axles

10.47. ABS ROLL OVER STABILITY, P. 43

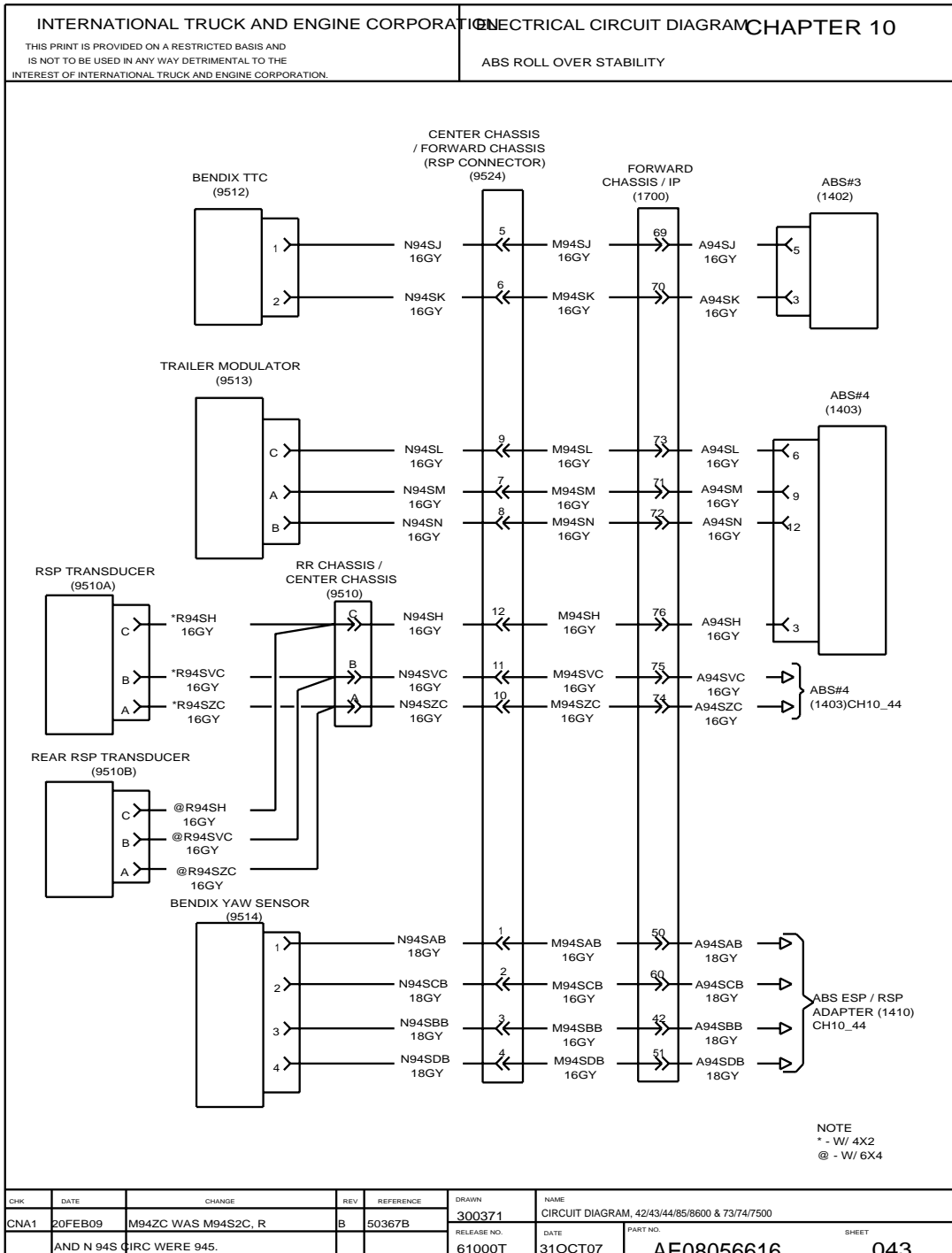


Figure 206 ABS Roll Over Stability

10.48. ABS ROLL OVER STABILITY, P. 44

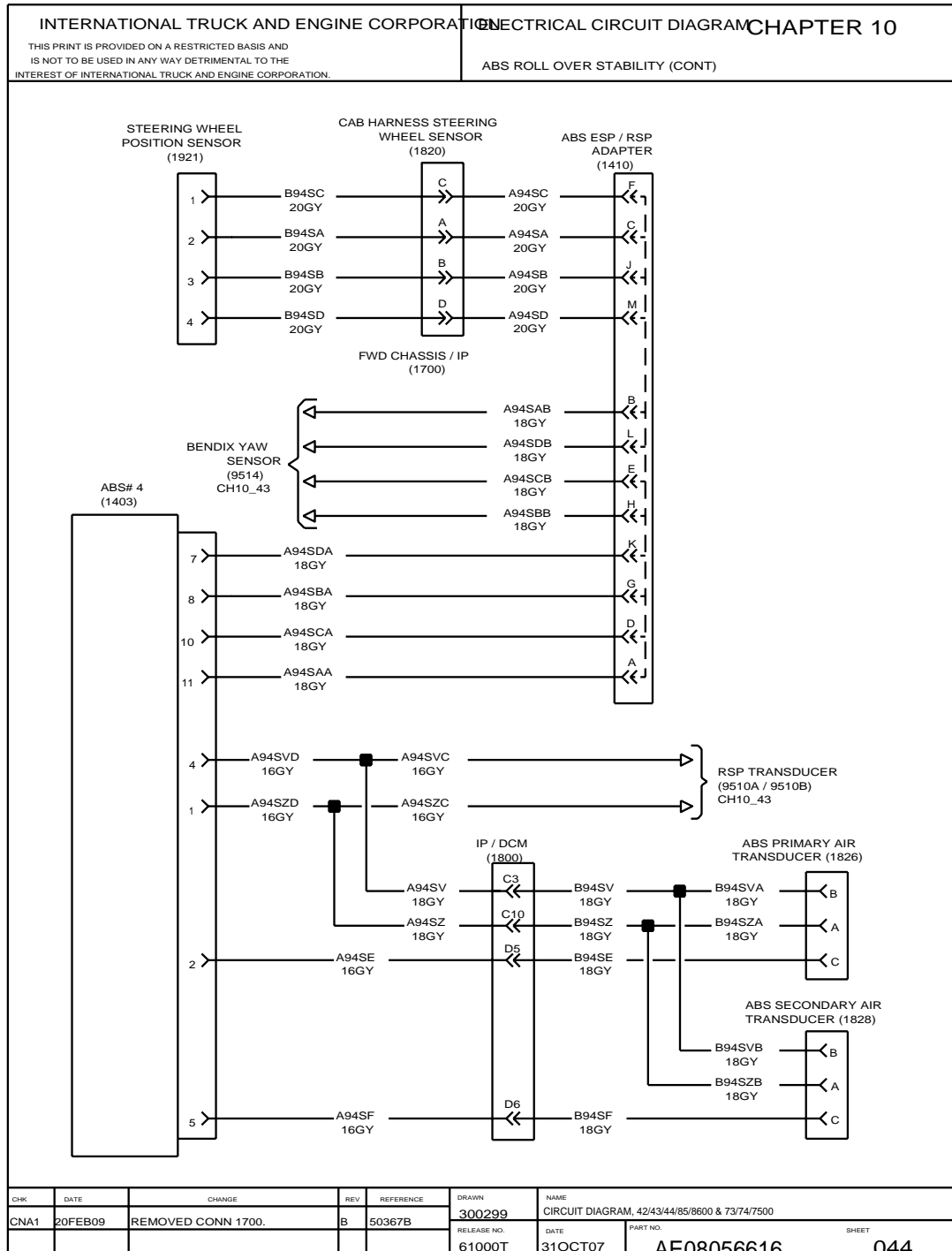
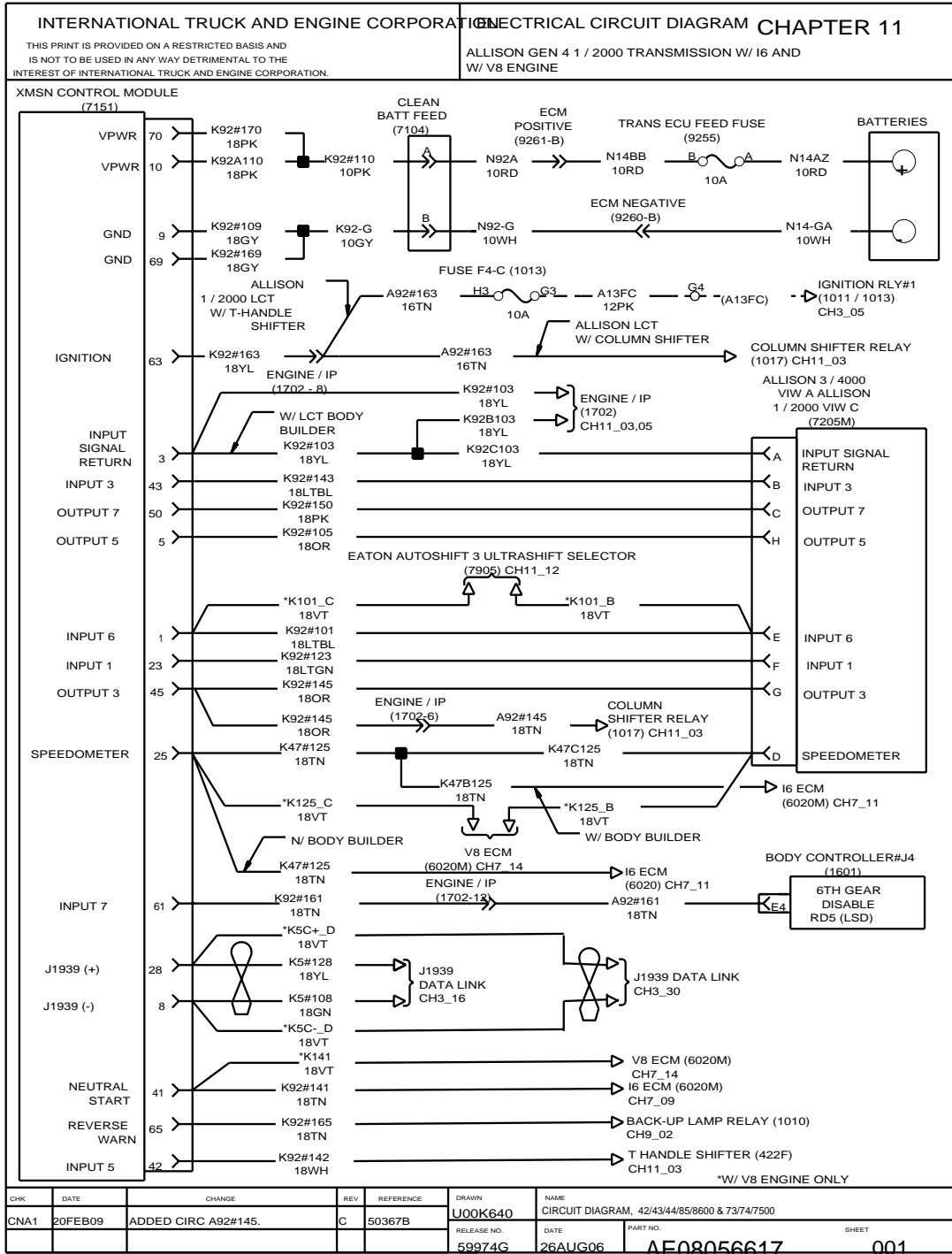


Figure 207 ABS Roll Over Stability

## 11. TRANSMISSIONS (CHAPTER 11)

### 11.1. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND WITH V8 ENGINE, P. 1



**Figure 208 Allison GEN 4 1/2000 Transmission with I6 and with V8 Engine**

11.2. ALLISON GEN 4 1/2000 TRANSMISSION WITH I6 AND WITH V8 ENGINE, P. 2

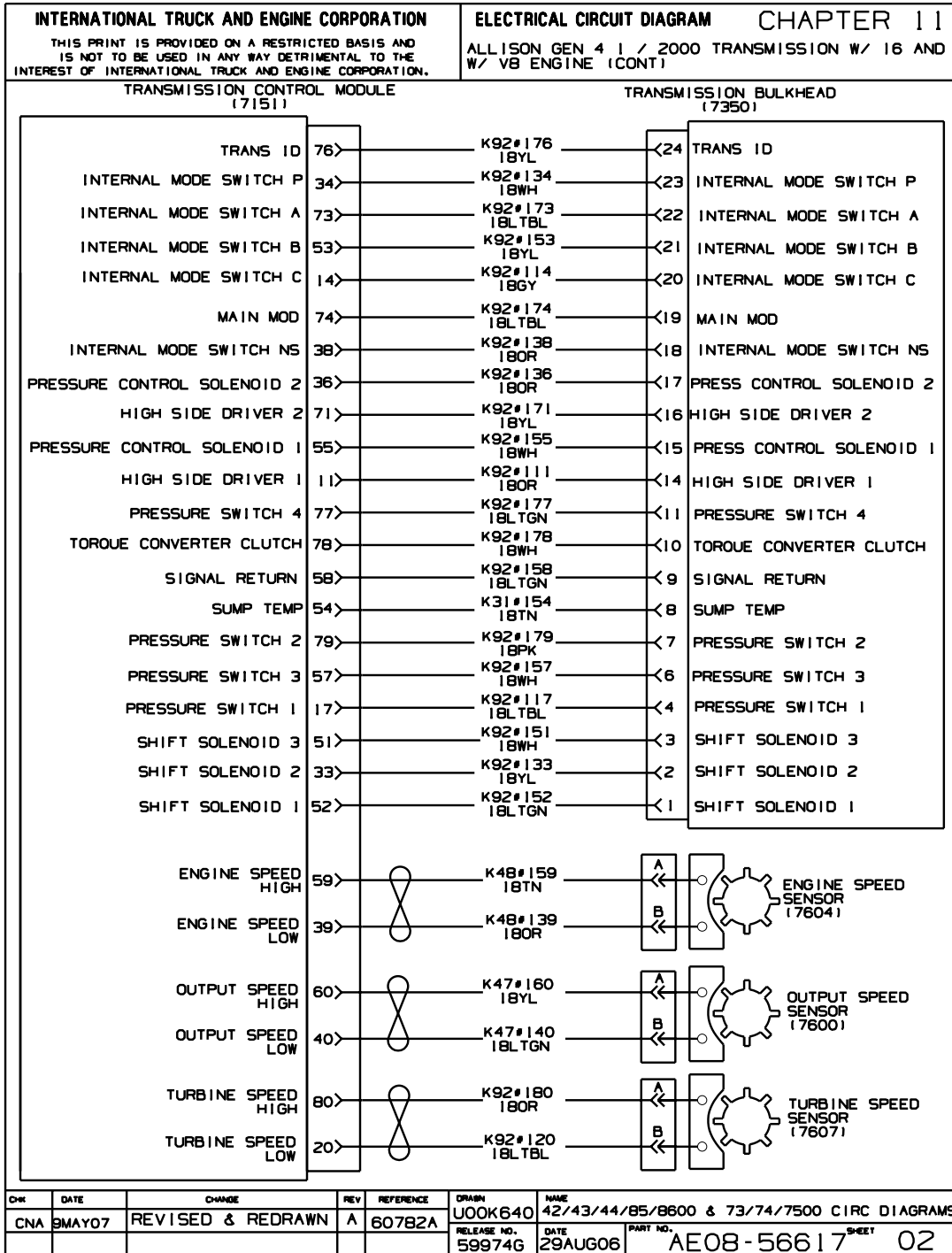


Figure 209 Allison GEN 4 1/2000 Transmission with I6 and with V8 Engine (Cont.)

11.3. ALLISON GEN 4 1/2000 TRANSMISSION W/ I6, CAT, ISM ENGINE, P. 3

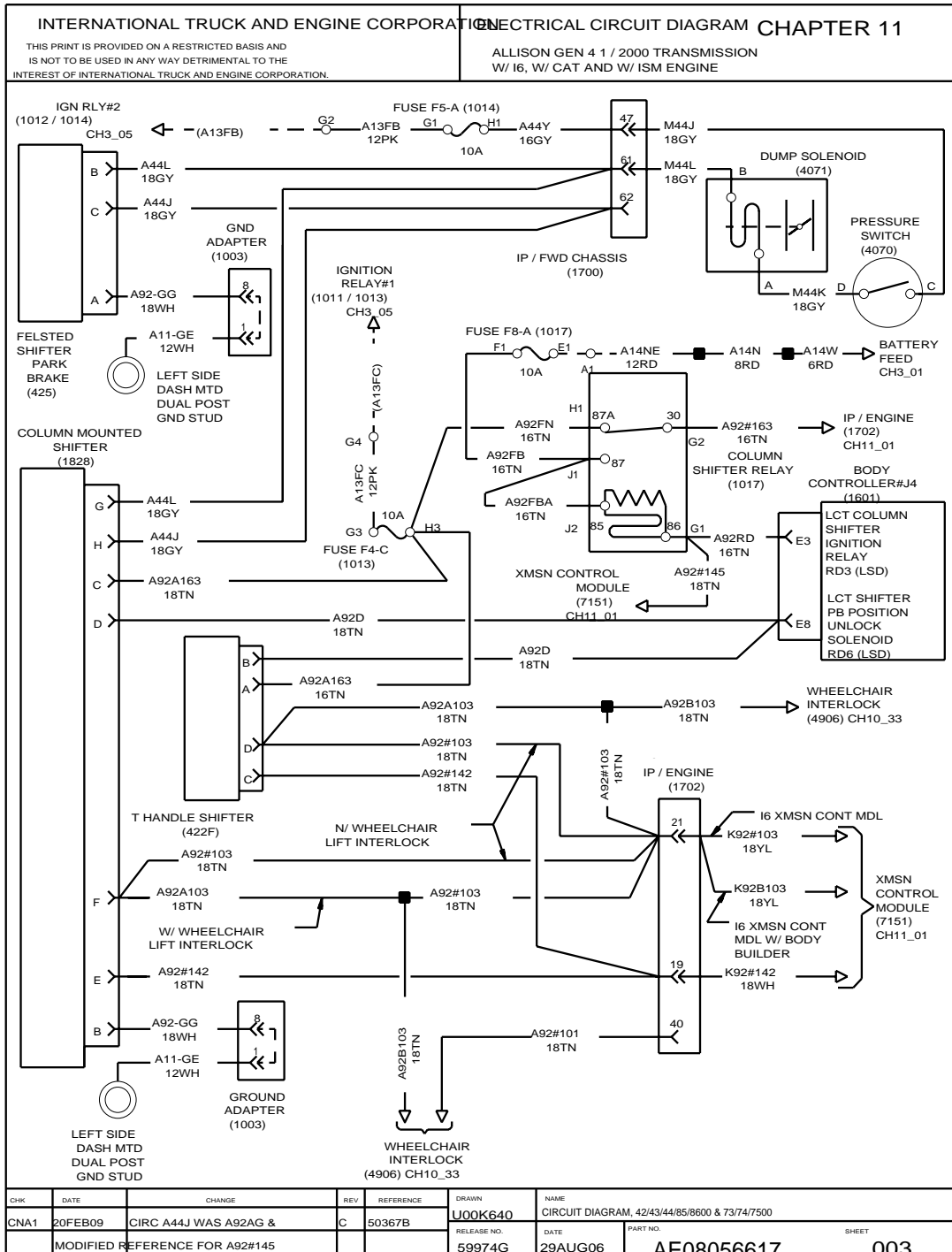


Figure 210 Allison GEN 4 1/2000 Transmission W/ I6, CAT, ISM Engines

11.4. TRANSMISSION, ALLISON MD WITH I6 AND WITH V8 ENGINE, P. 4

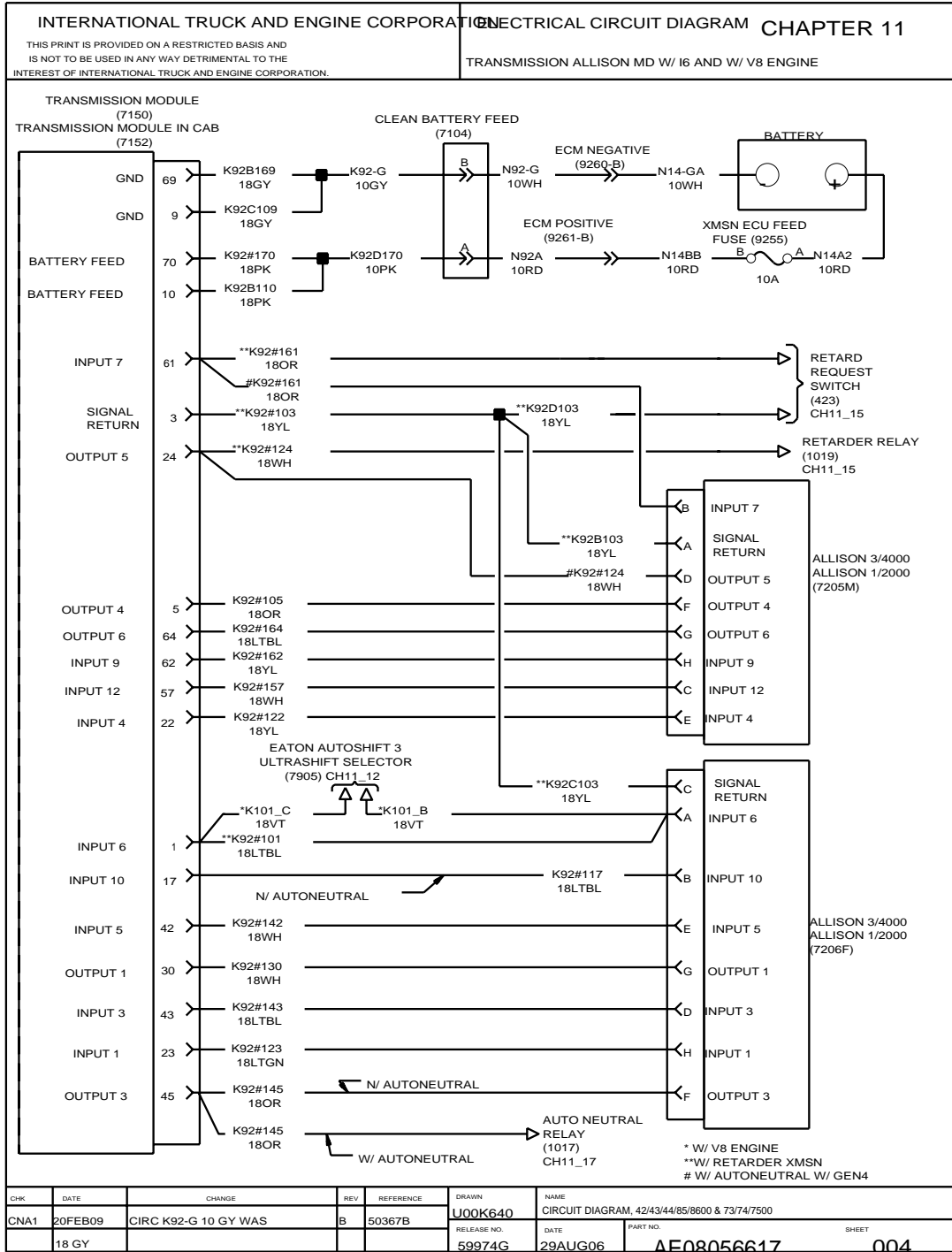


Figure 211 Transmission, Allison MD with I6 and with V8 Engine

11.5. TRANSMISSION, ALLISON MD 3/4000 WITH I6 AND WITH V8 ENGINE, P. 5

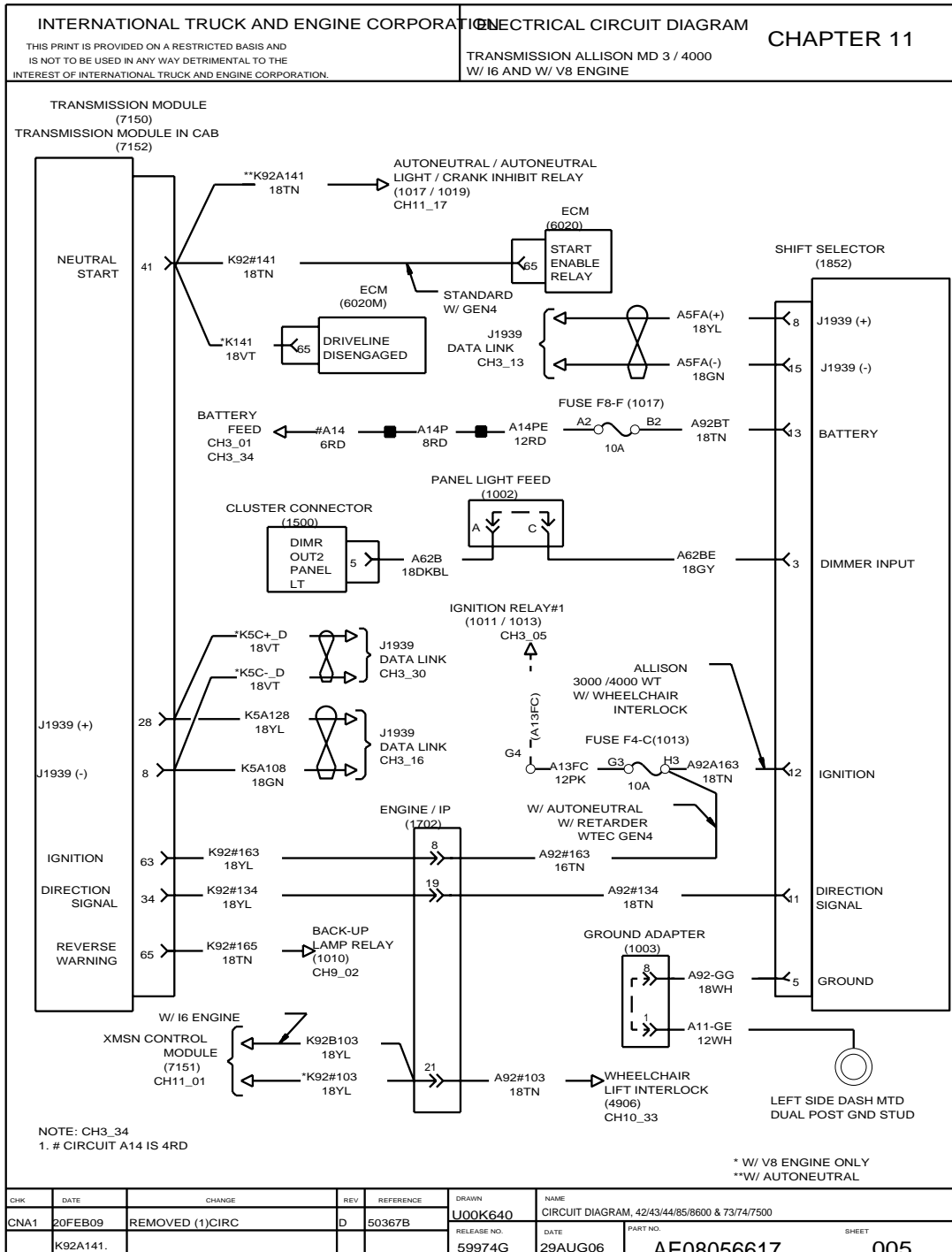


Figure 212 Transmission, Allison MD 3/4000 with I6 and with V8 Engine



11.6. TRANSMISSION, ALLISON MD/HD (WTEC) WITH I6 AND WITH V8 ENGINE, P. 6

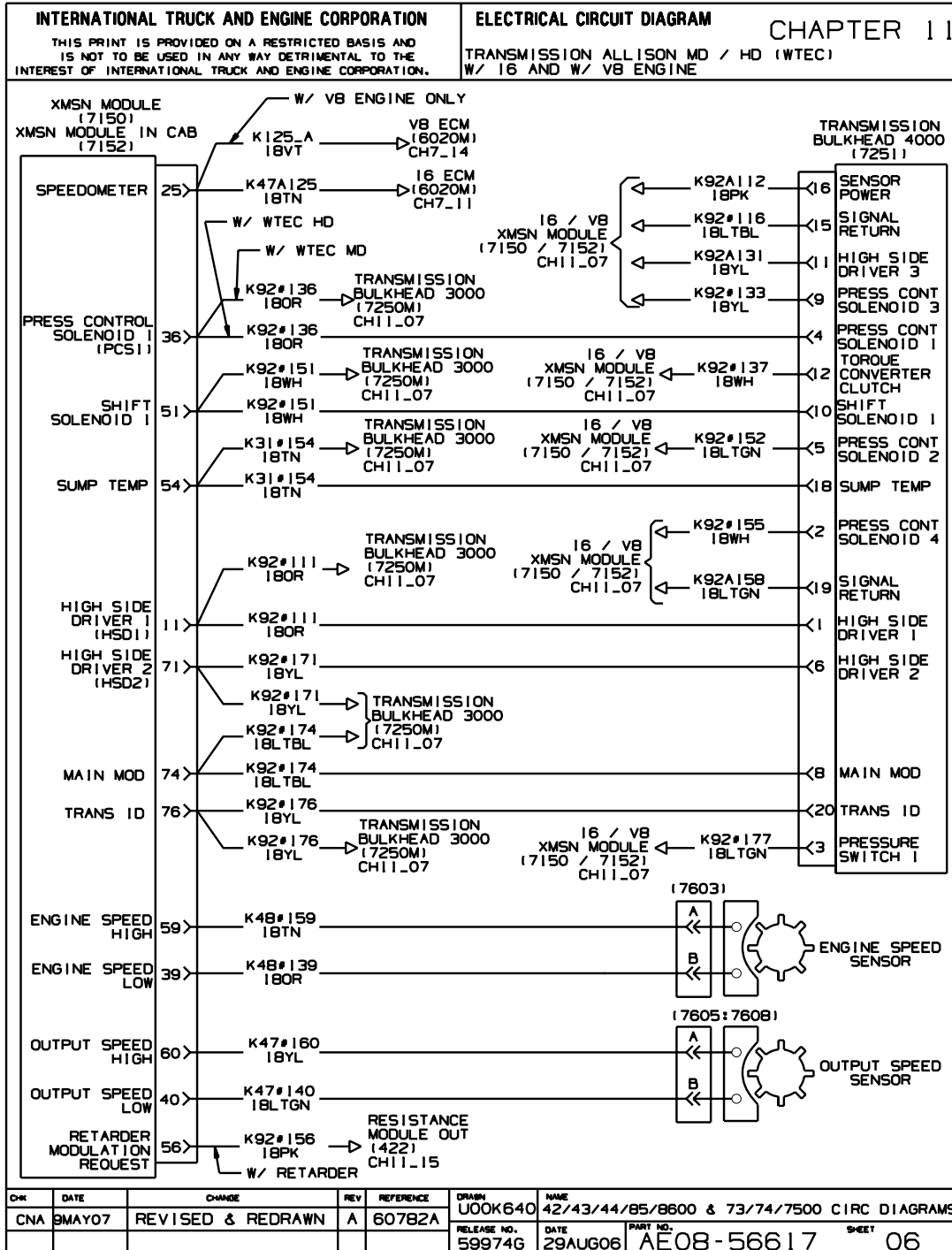


Figure 213 Transmission, Allison MD/HD (WTEC) with I6 and with V8 Engine

11.7. TRANSMISSION, ALLISON MD/HD (WTEC) WITH I6 AND WITH V8 ENGINE (CONT.), P. 7

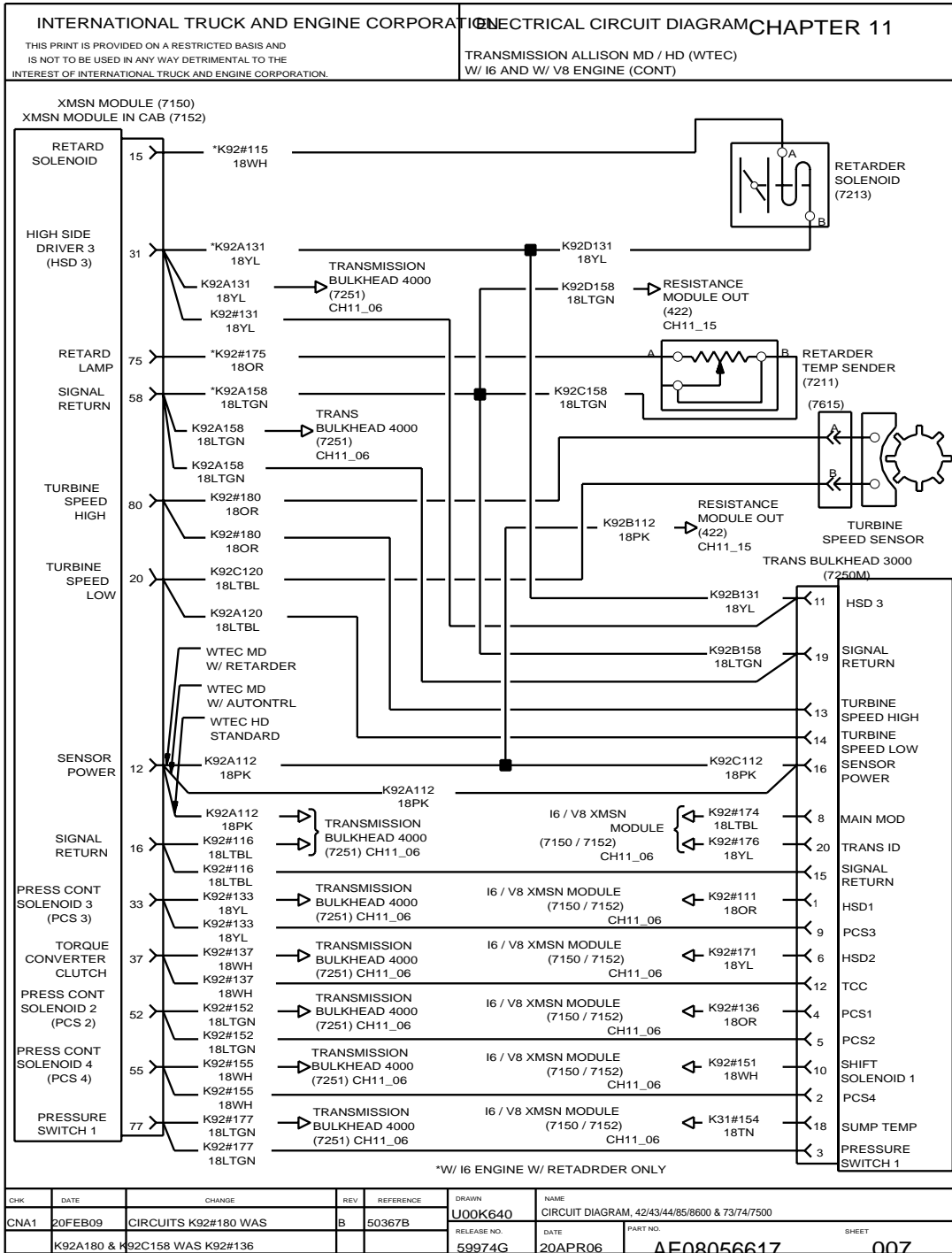


Figure 214 Transmission, Allison MD/HD (WTEC) with I6 and with V8 Engine (Cont.)

11.8. TRANSMISSION, ALLISON MD (WTEC), P. 8

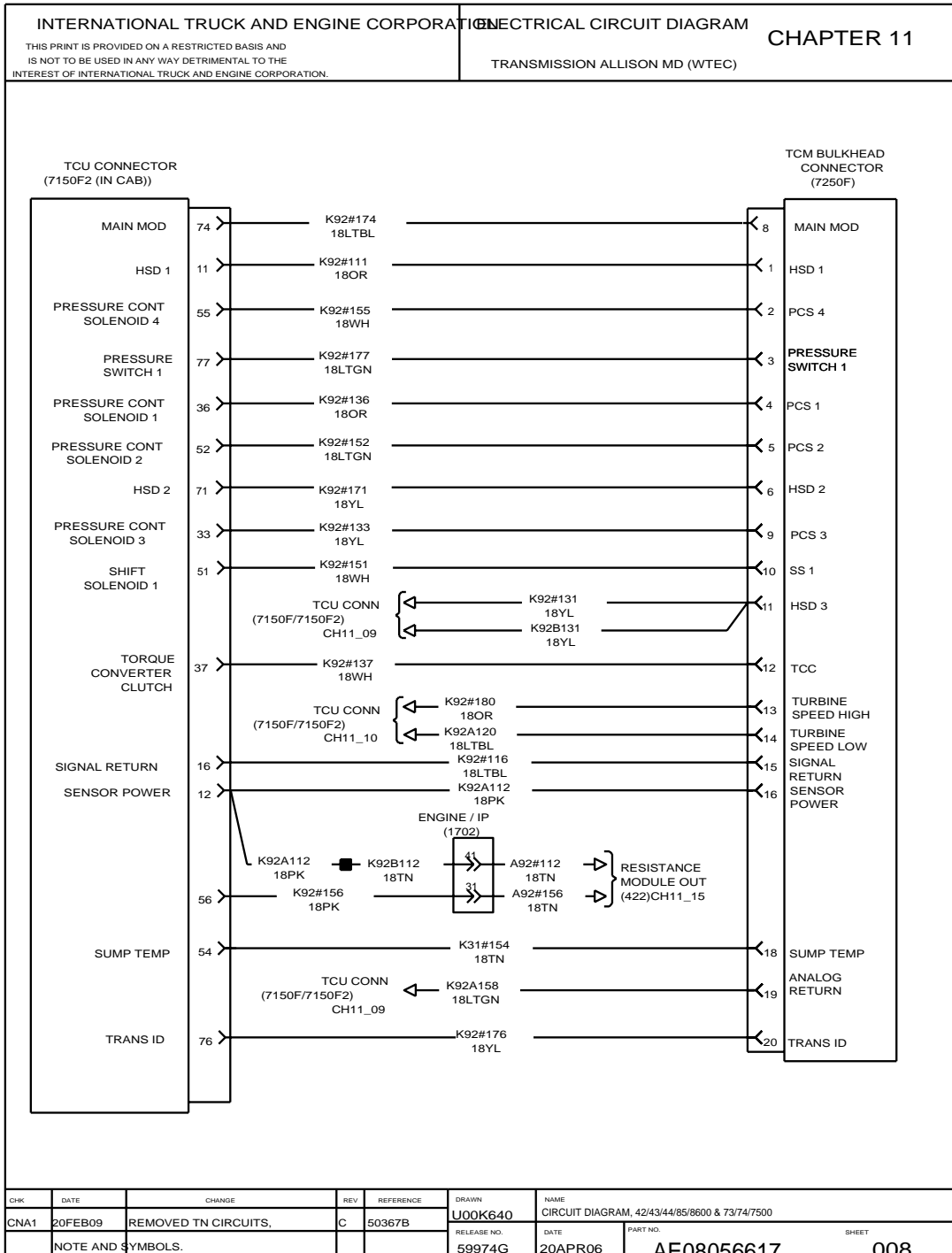


Figure 215 Transmission, Allison MD (WTEC)

11.9. TRANSMISSION, ALLISON MD (WTEC), P. 8A

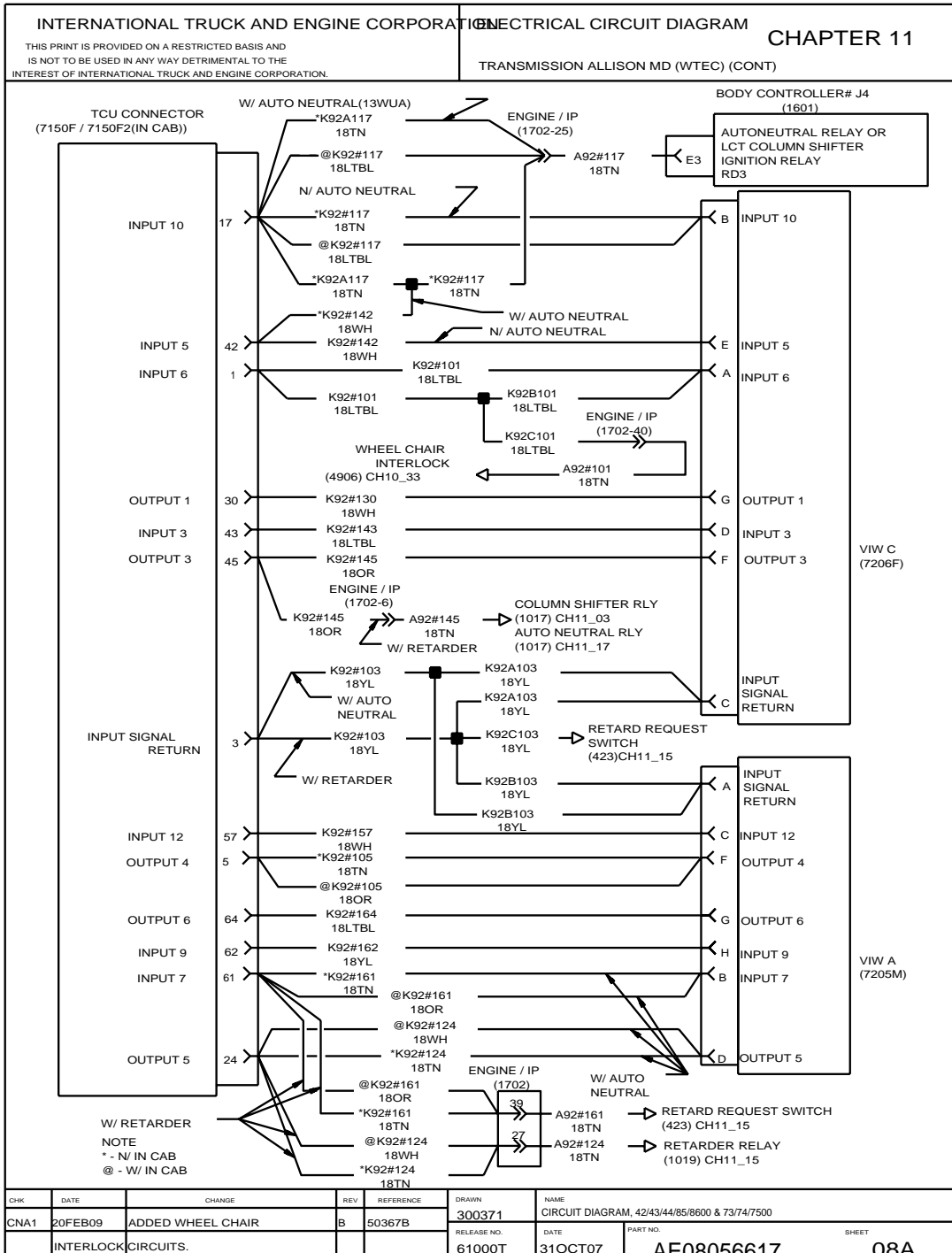


Figure 216 Transmission, Allison MD (WTEC)

11.10. TRANSMISSION, ALLISON MD (WTEC) (ISM ENGINE), P. 9

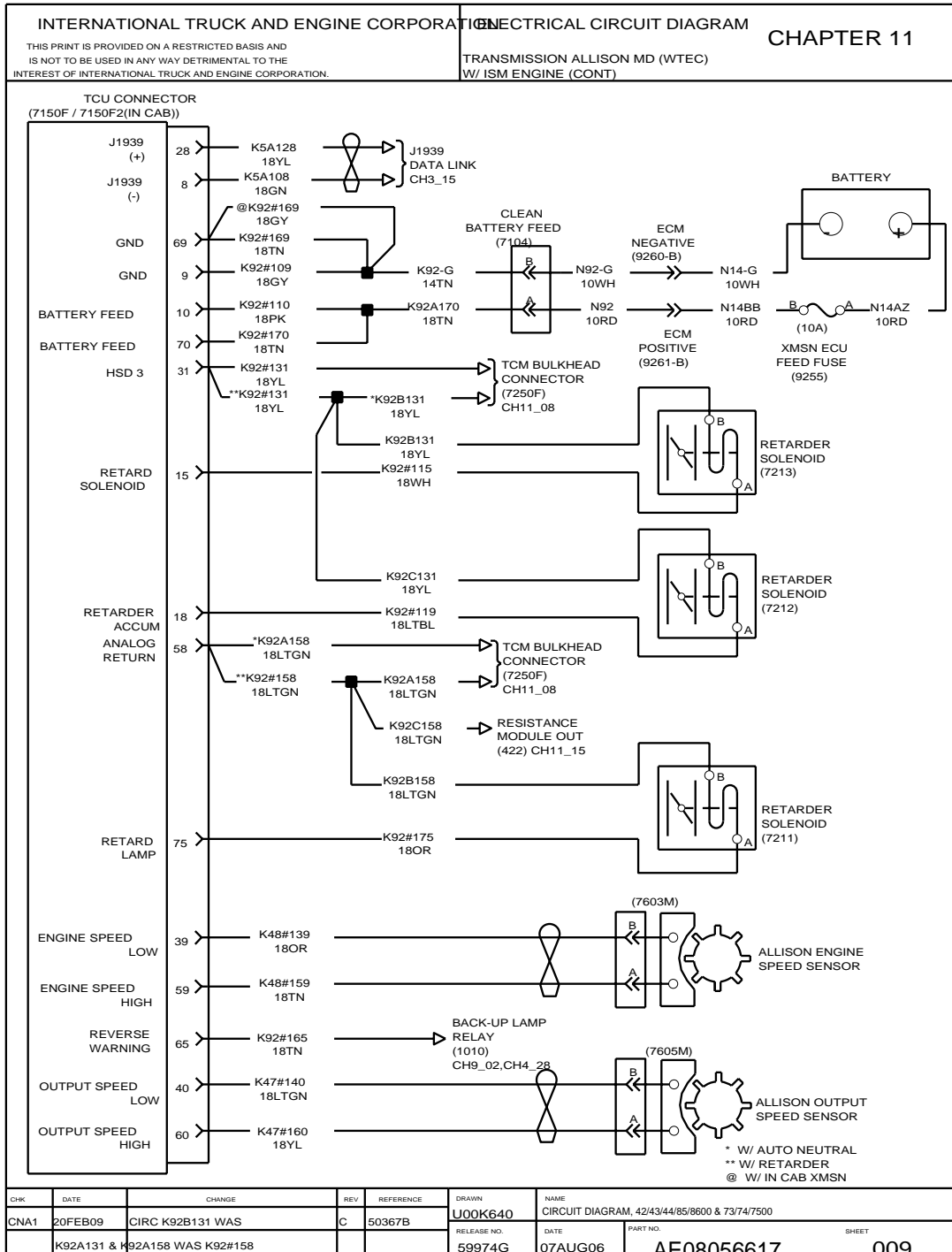


Figure 217 Transmission, Allison MD (WTEC) (ISM Engine)

11.11. TRANSMISSION, ALLISON MD (WTEC) (ISM ENGINE), P. 10

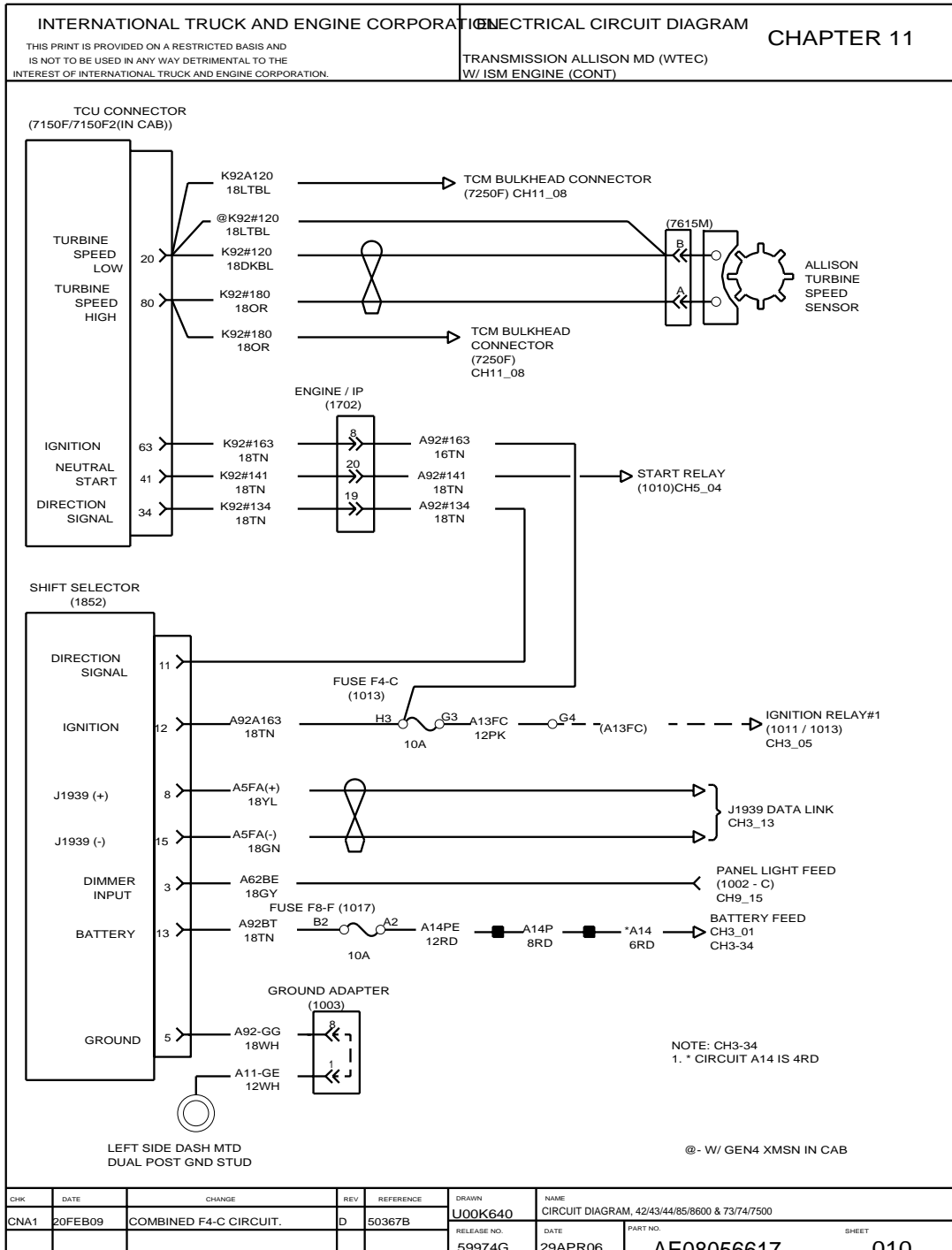


Figure 218 Transmission, Allison MD (WTEC) (ISM Engine) (Cont.)

11.12. EATON AUTOSHIFT TRANSMISSION W/ I6 ENGINE, P. 11

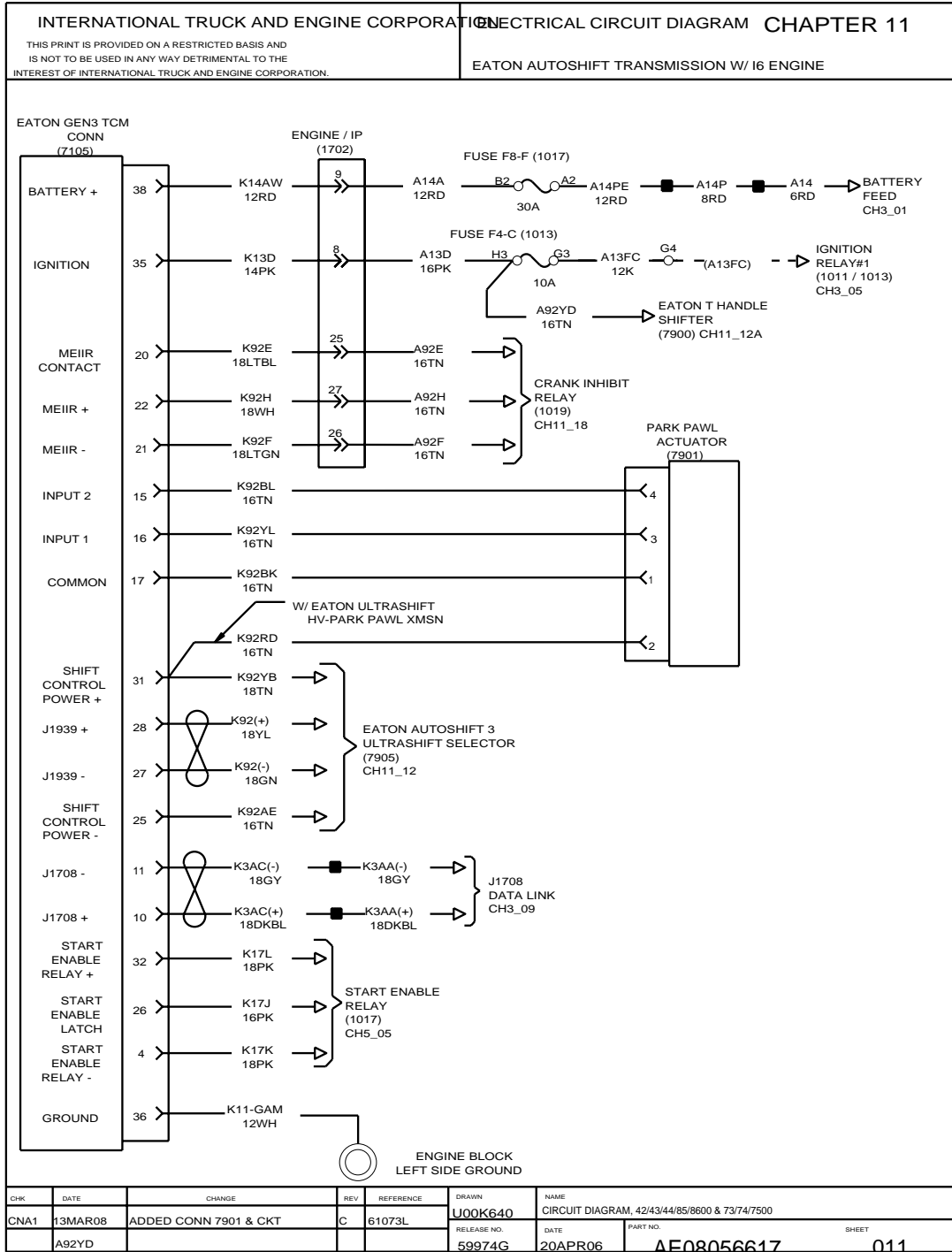


Figure 219 Eaton Autoshift Transmission W/ I6 Engine

11.13. EATON AUTOSHIFT TRANSMISSION, P. 12

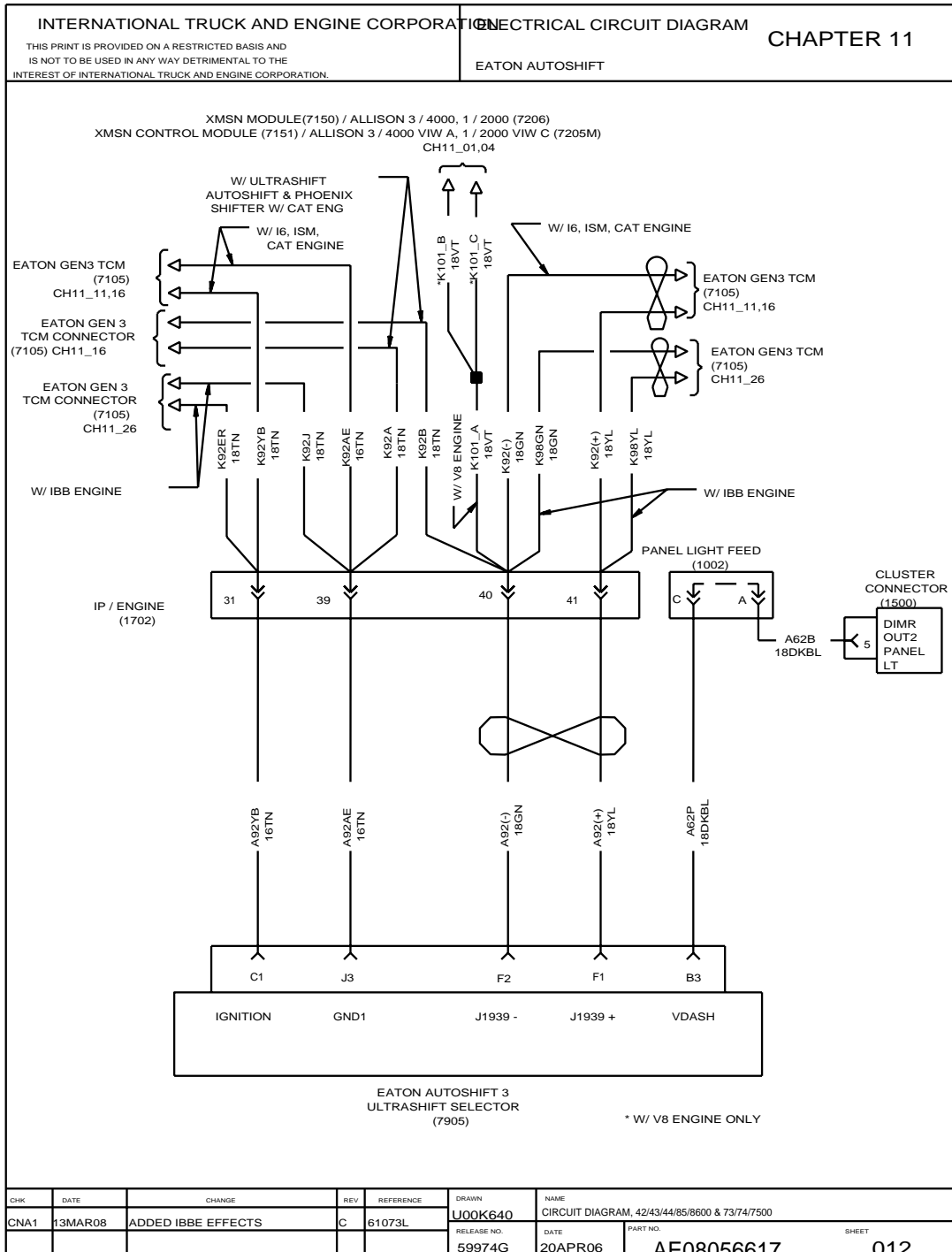


Figure 220 Eaton Autoshift Transmission



11.14. EATON AUTOSHIFT TRANSMISSION, P. 12A

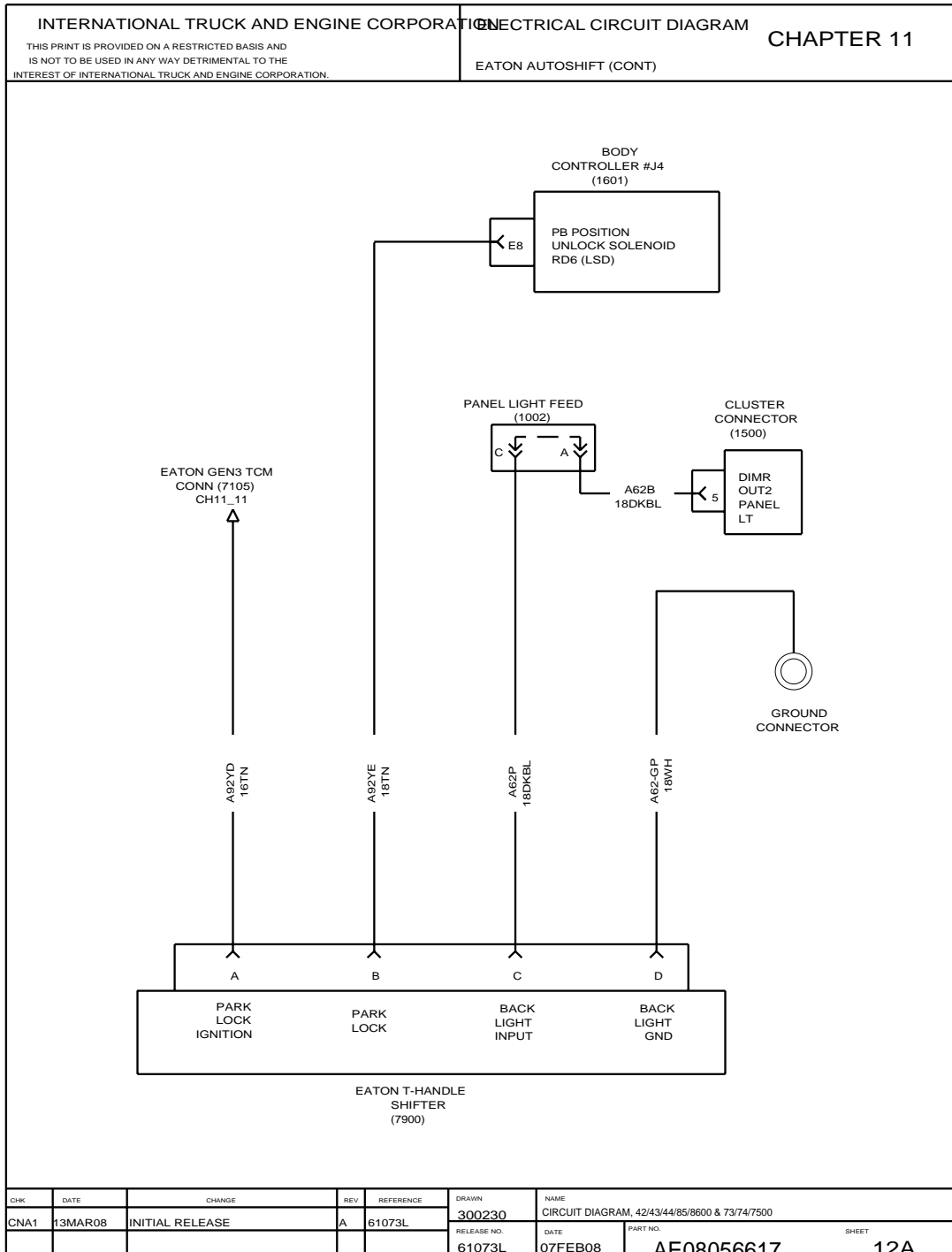


Figure 221 Eaton Autoshift Transmission

11.15. TRANSMISSION ALLISON MD (WTEC) W/ CAT ENGINE, P. 13

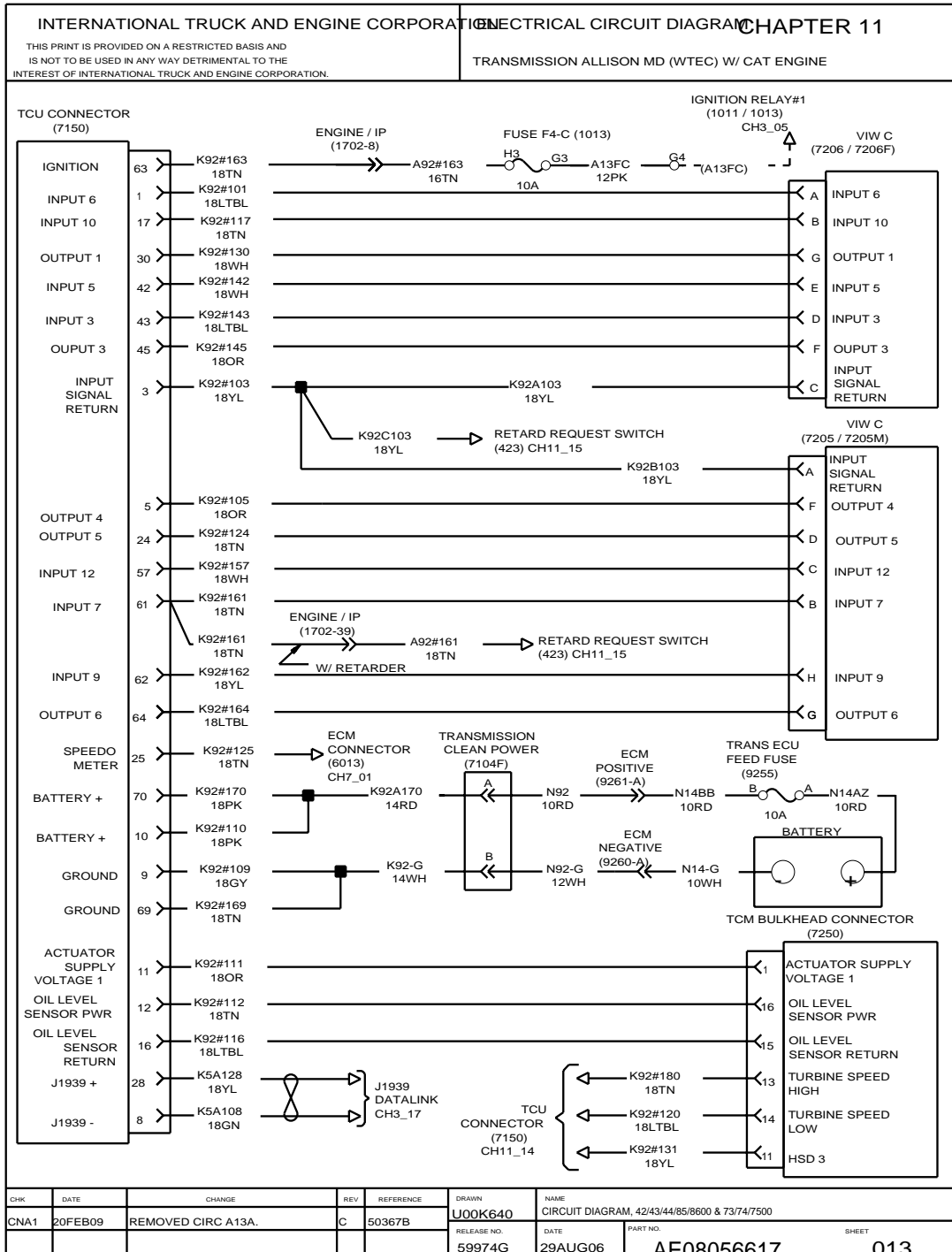


Figure 222 Transmission Allison MD (WTEC) W/ Cat Engine

11.16. TRANSMISSION ALLISON MD (WTEC) W/ CAT ENGINE, P. 14

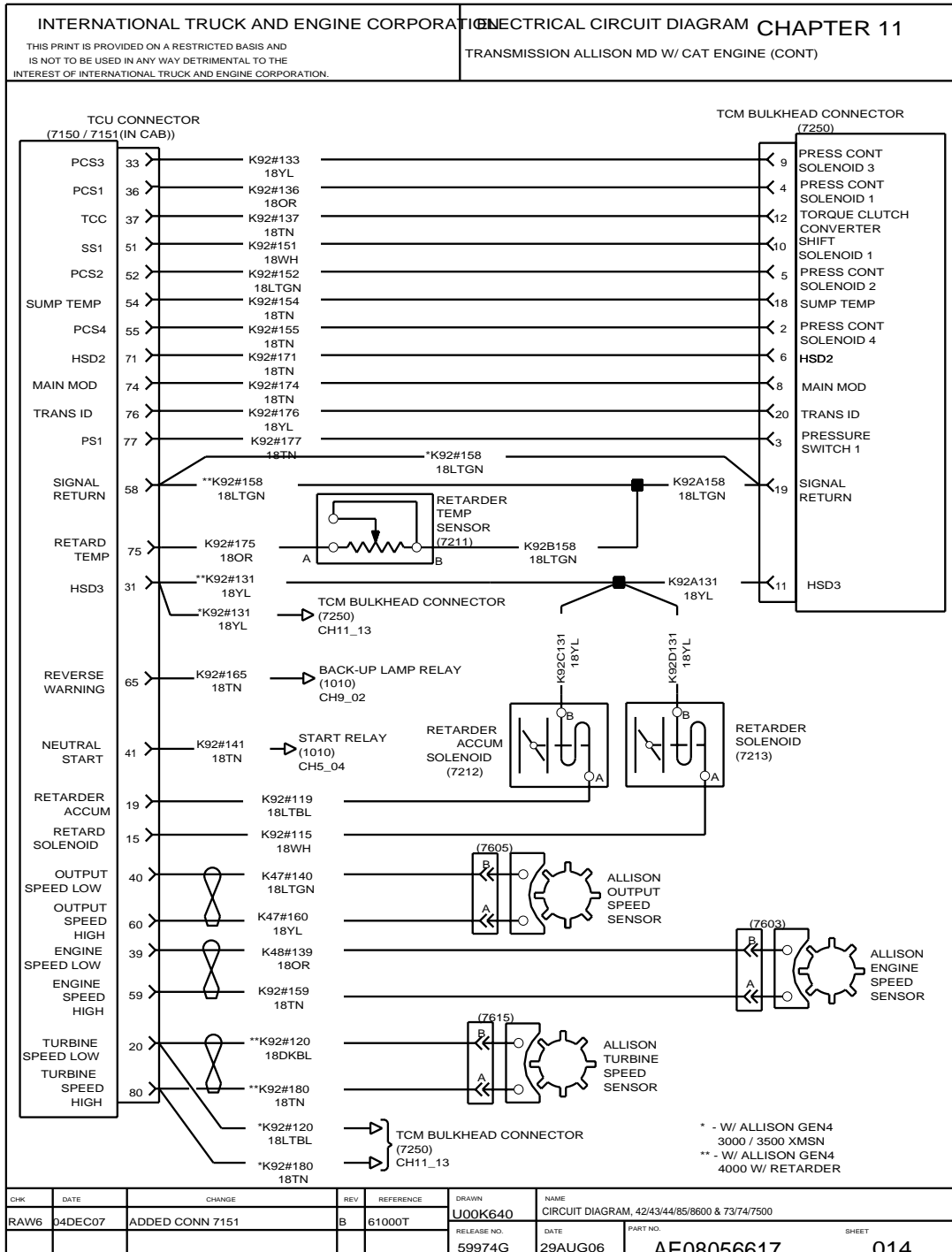


Figure 223 Transmission Allison MD (WTEC) W/ Cat Engine

11.17. TRANSMISSION RETARDER CONTROLS WIRING WITH MD TRANSMISSION HARD WIRED EFFECTS, P. 15

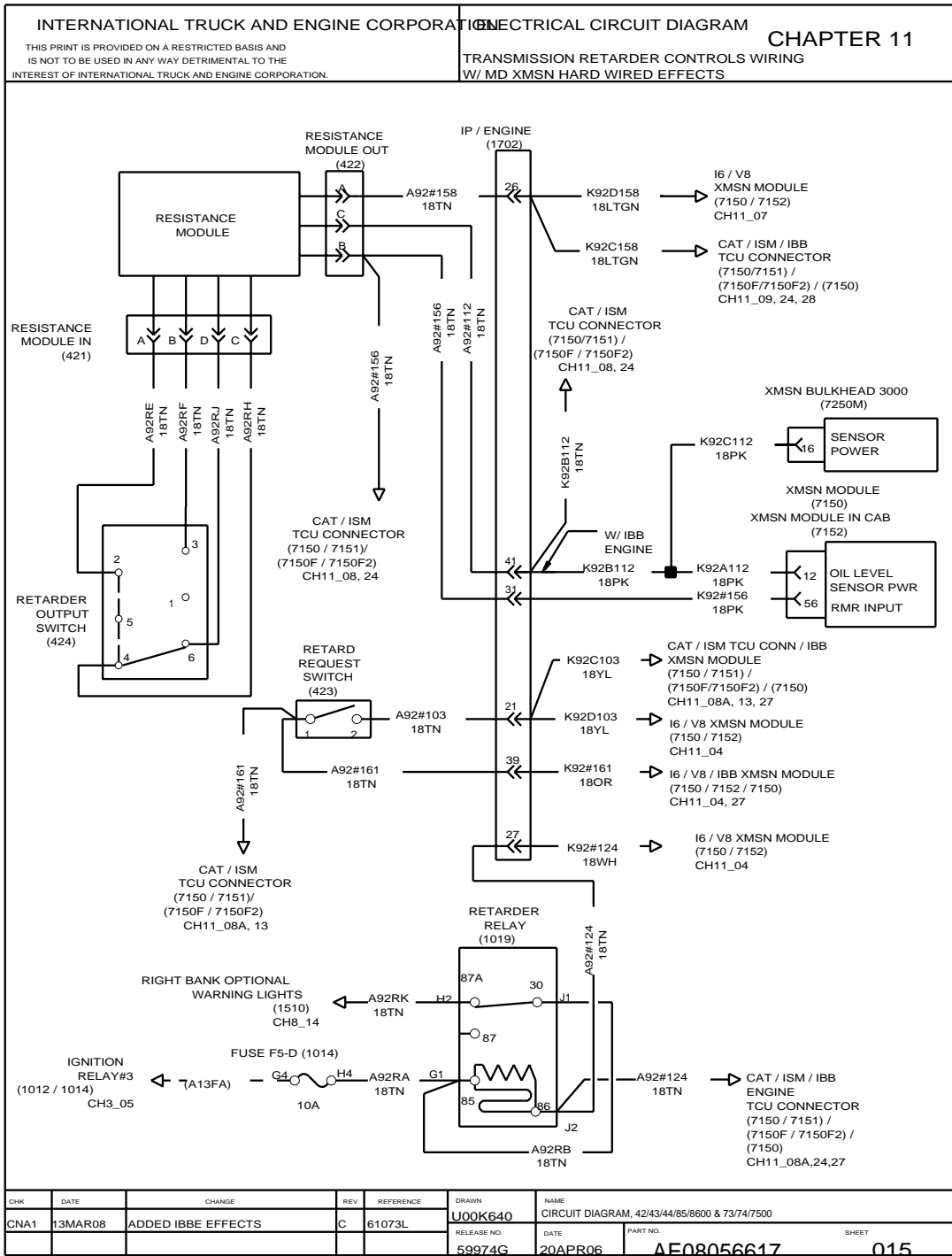
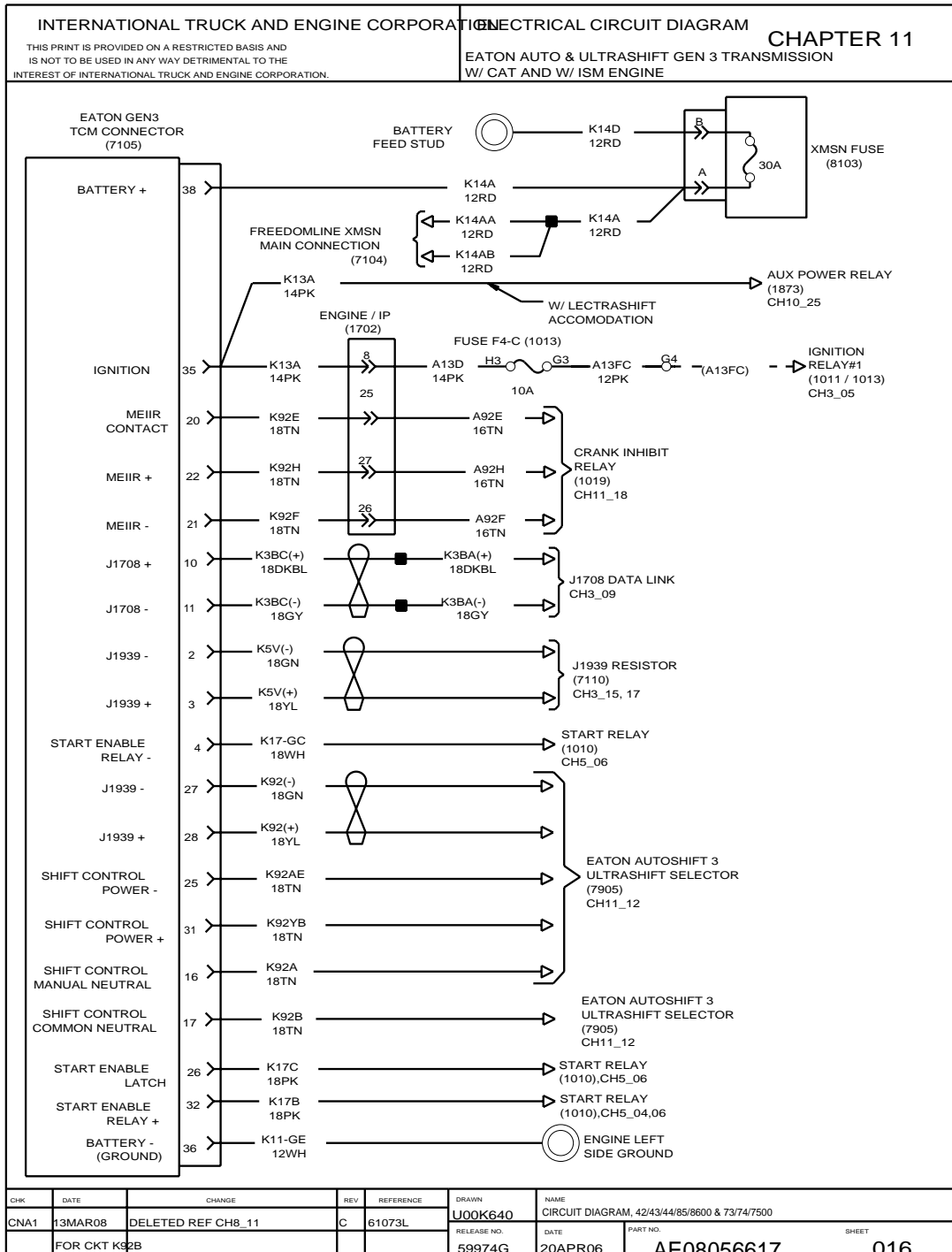


Figure 224 Transmission Retarder Controls Wiring with MD Transmission Hard Wired Effects

**11.18. EATON AUTO AND ULTRASHIFT GEN 3 TRANSMISSION W/ CAT AND W/ ISM ENGINE, P. 16**



**Figure 225 Eaton Auto and Ultrashift Gen 3 Transmission W/ Cat and W/ ISM Engine**

11.19. ALLISON TRANSMISSION 3/4000 GEN 4 WITH AUTO NEUTRAL, P. 17

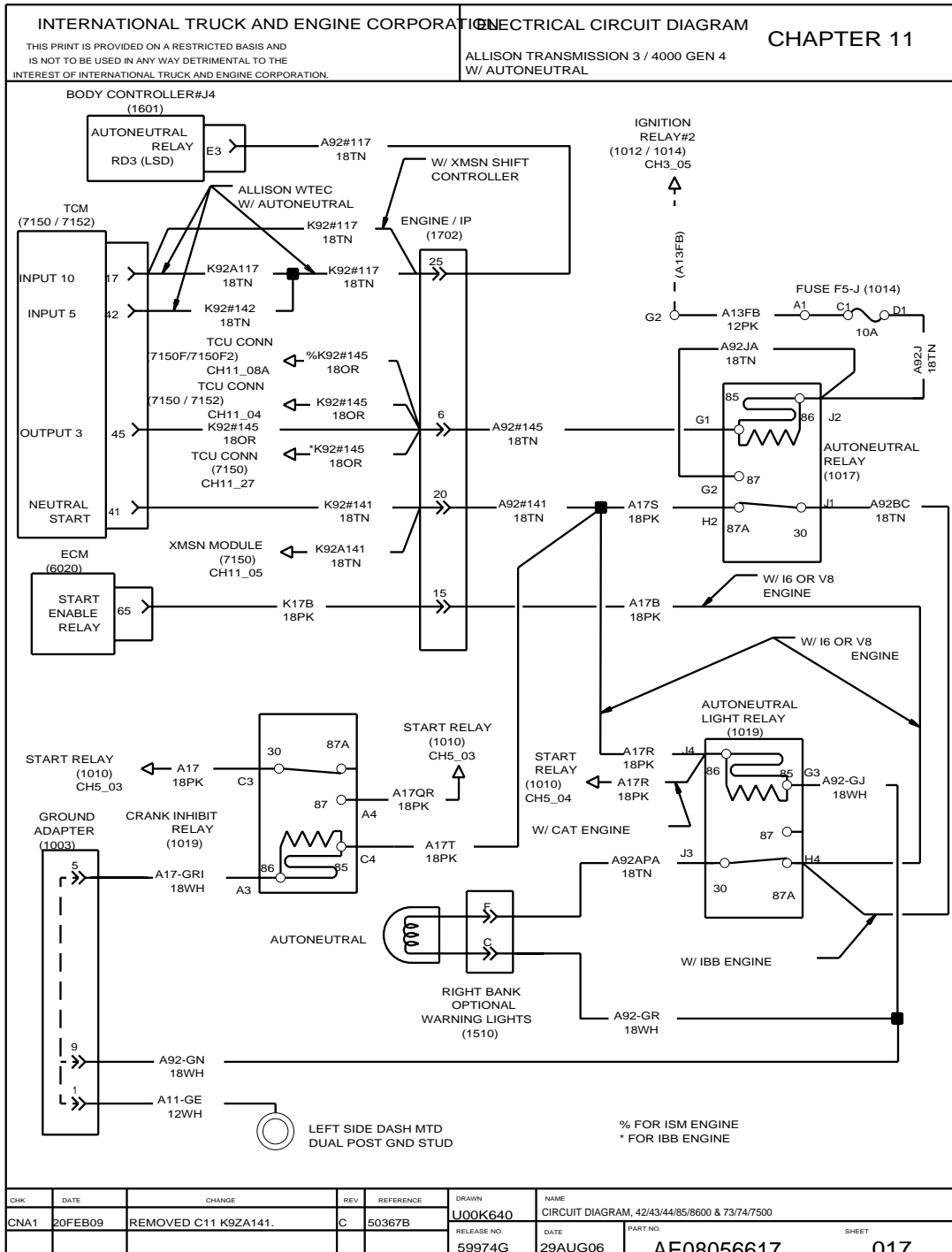


Figure 226 Allison Transmission 3/4000 Gen 4 With Auto Neutral

11.20. EATON ULTRASHIFT GEN 3 / MERITOR G — MANUAL TRANSMISSION, P. 18

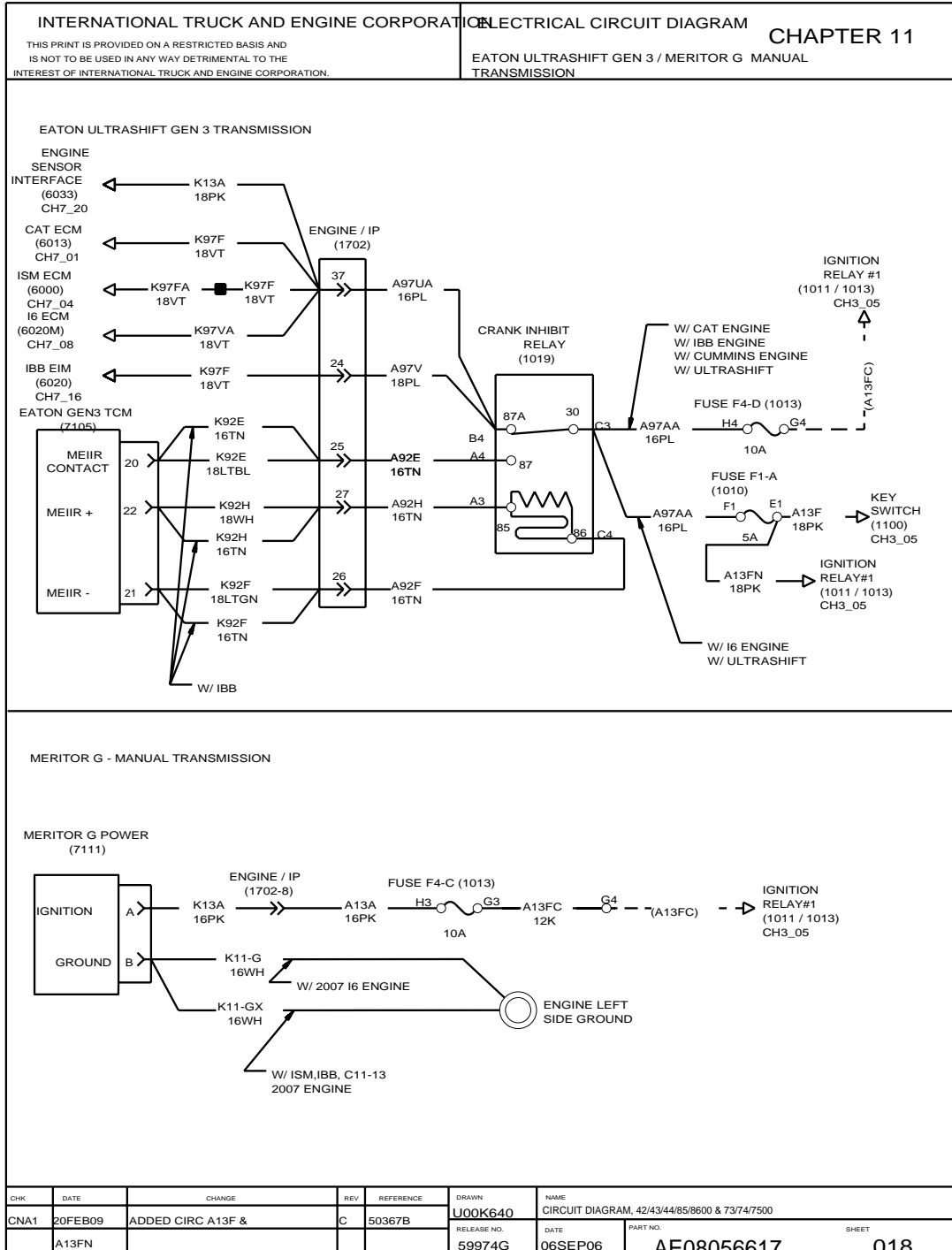


Figure 227 Eaton Ultrashift Gen 3 / Meritor G — Manual Transmission

11.21. EATON HYBRID TRANSMISSION, P. 19

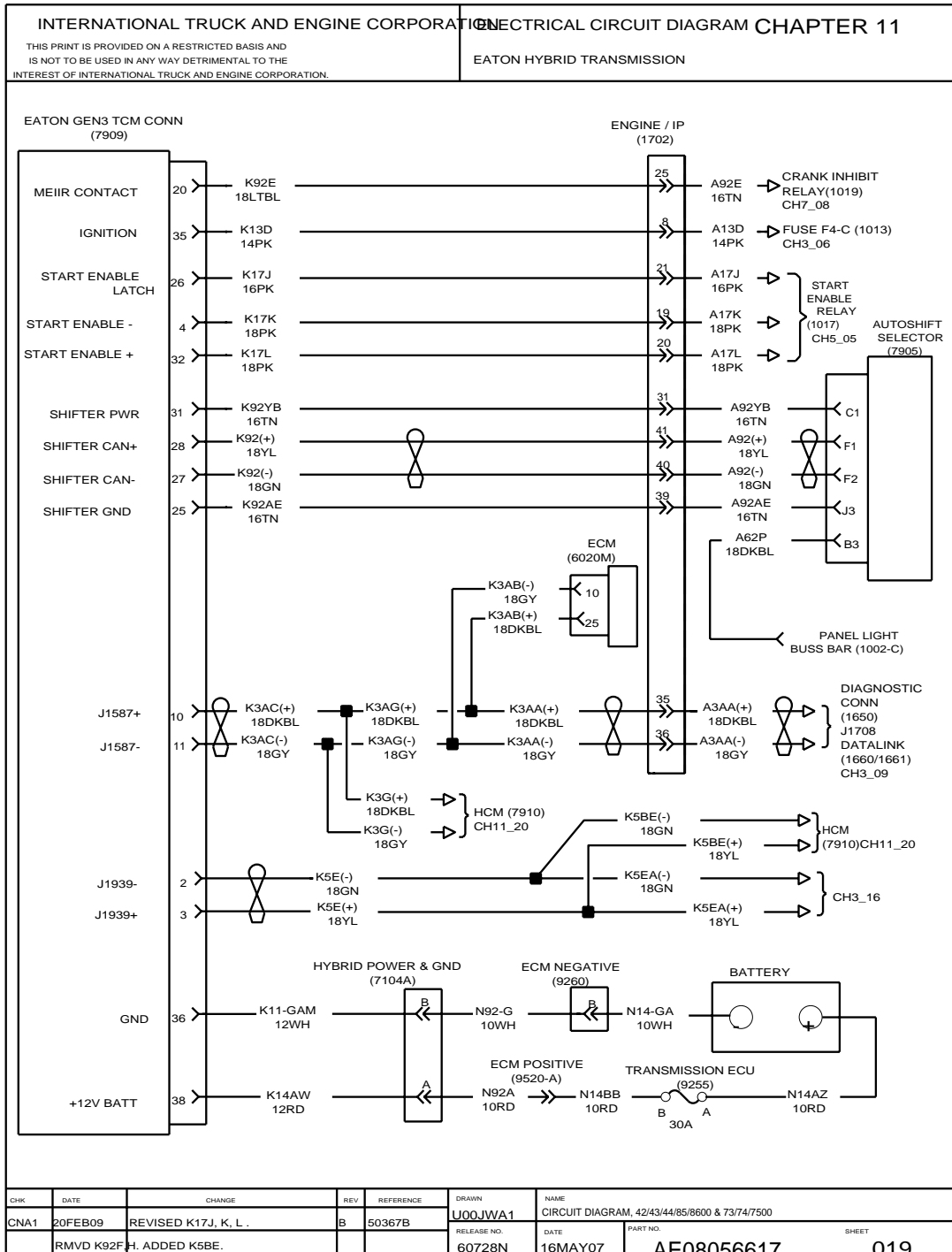


Figure 228 Eaton Hybrid Transmission



11.22. EATON HYBRID TRANSMISSION, P. 20

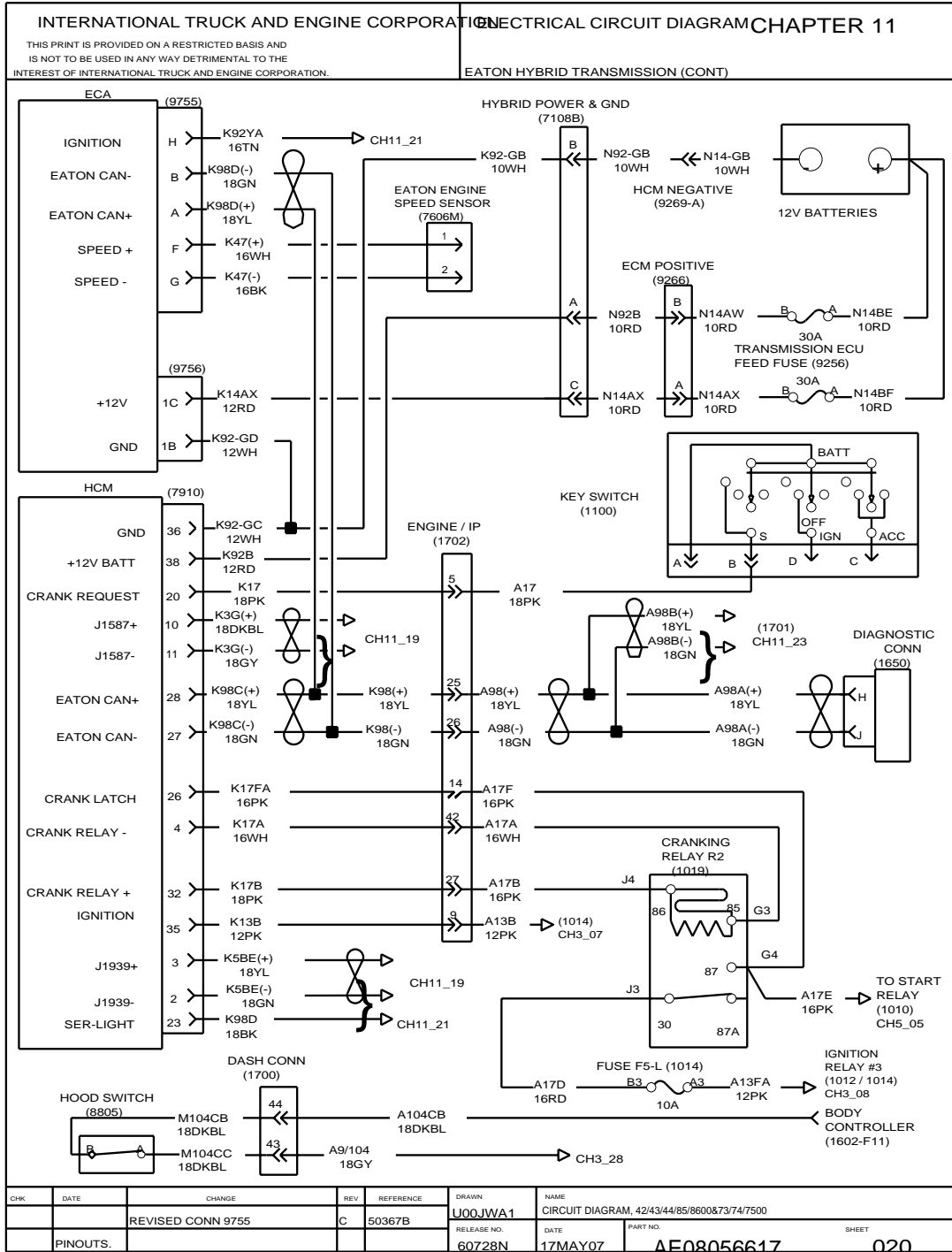


Figure 229 Eaton Hybrid Transmission

11.23. EATON HYBRID TRANSMISSION, P. 21

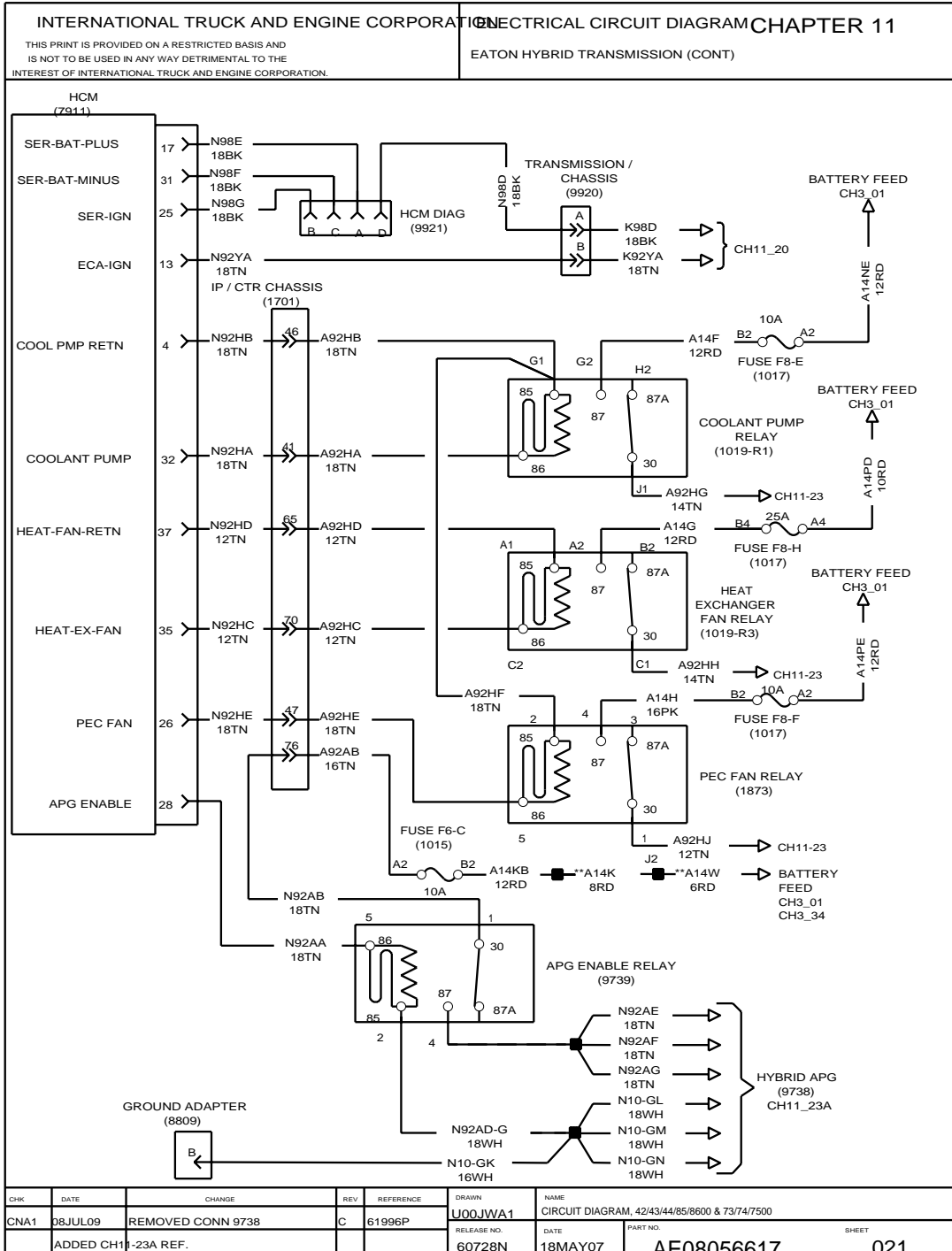


Figure 230 Eaton Hybrid Transmission

11.24. EATON HYBRID TRANSMISSION, P. 22

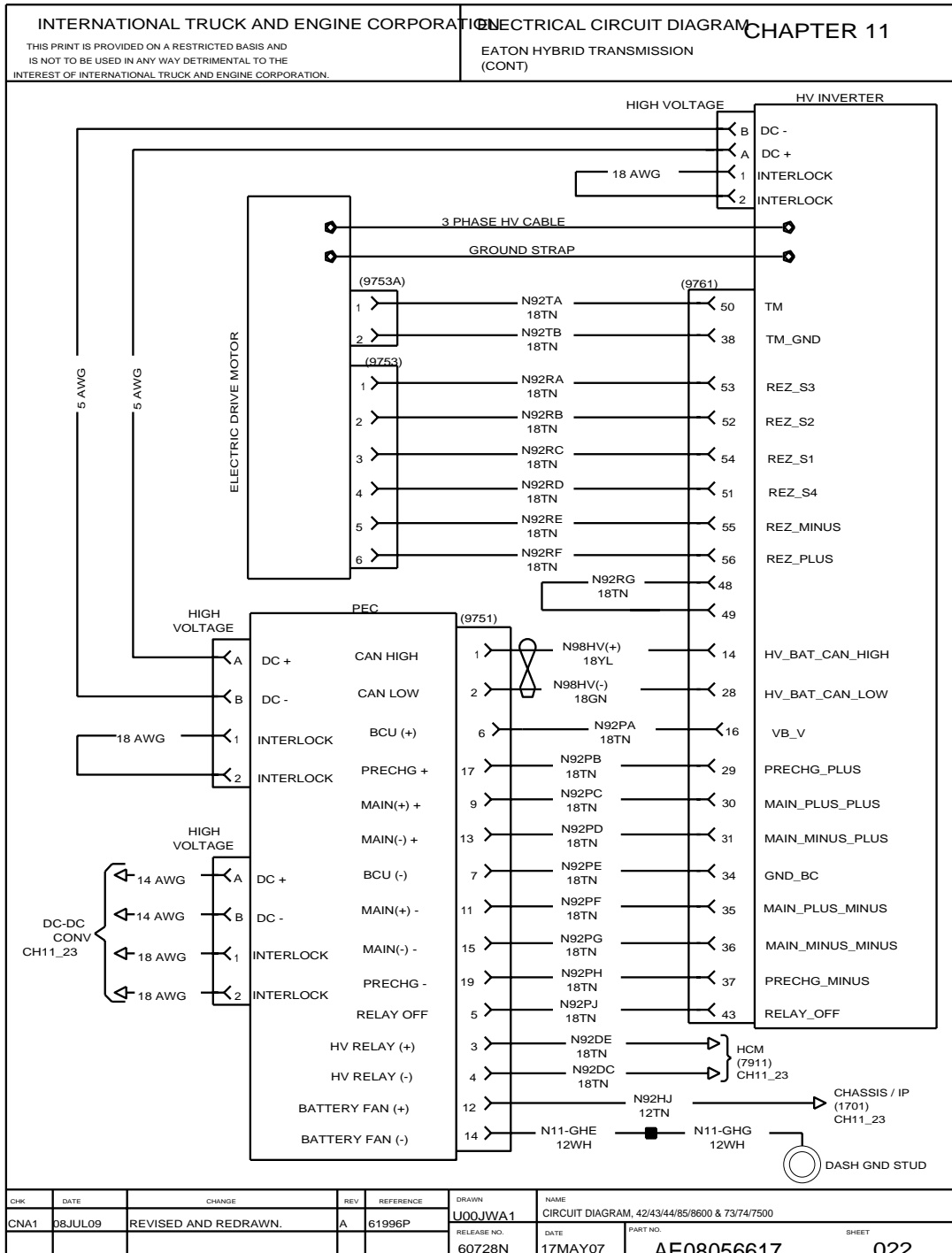


Figure 231 Eaton Hybrid Transmission

11.25. EATON HYBRID TRANSMISSION, P. 23

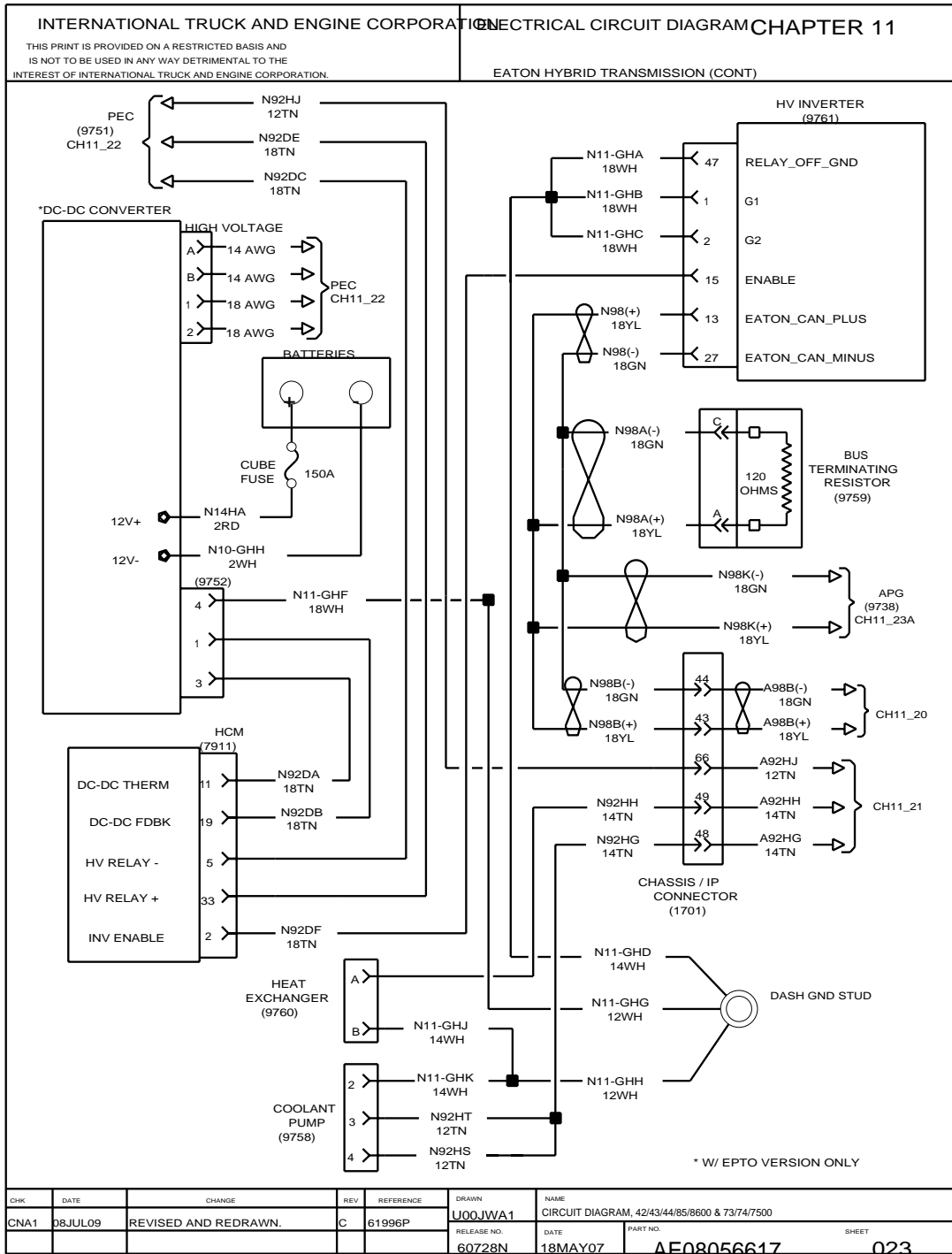


Figure 232 Eaton Hybrid Transmission

11.26. EATON HYBRID TRANSMISSION, P. 23A

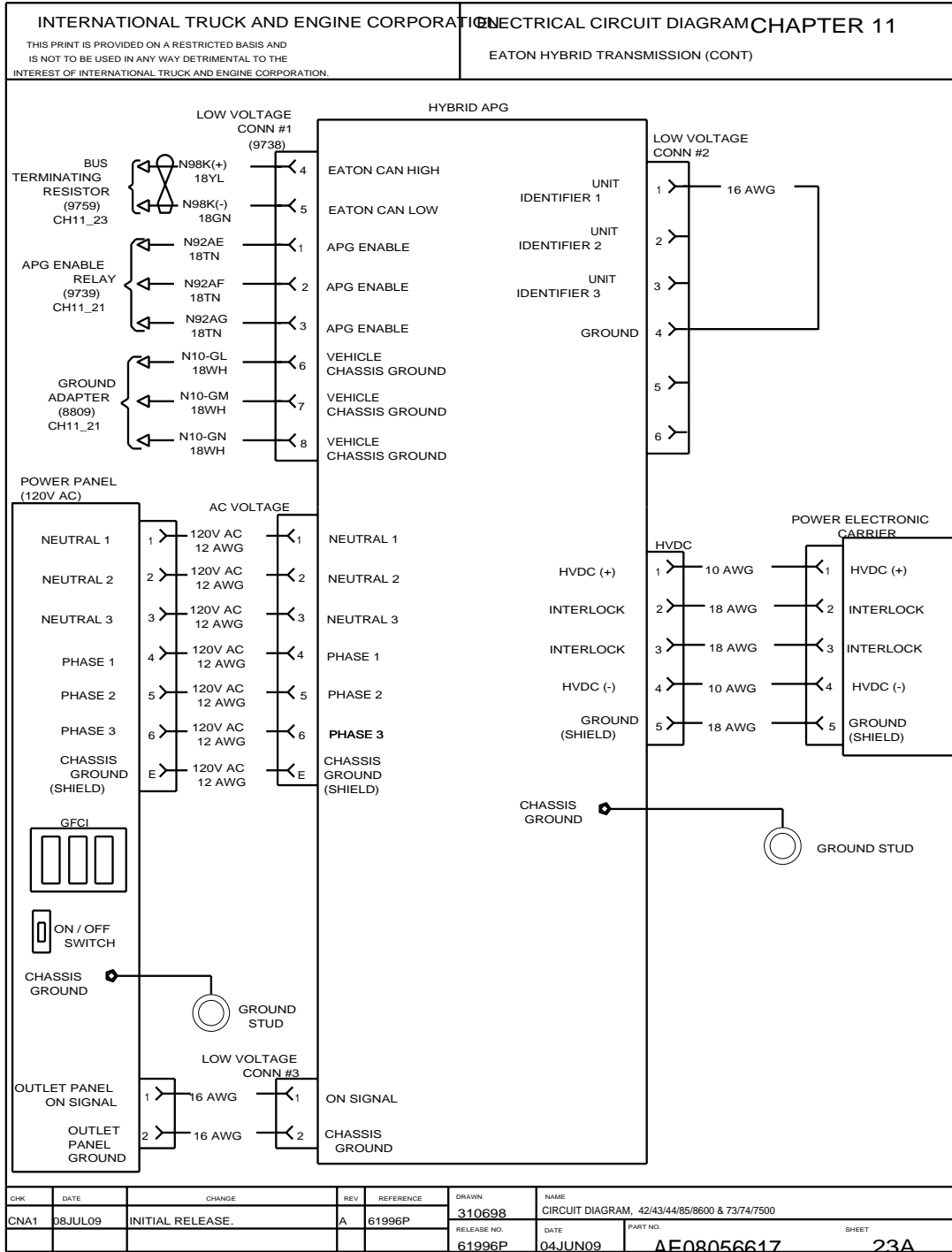


Figure 233 Eaton Hybrid Transmission

11.27. TRANSMISSION ALLISON MD (WTEC) WITH CAT ENGINE, P. 24

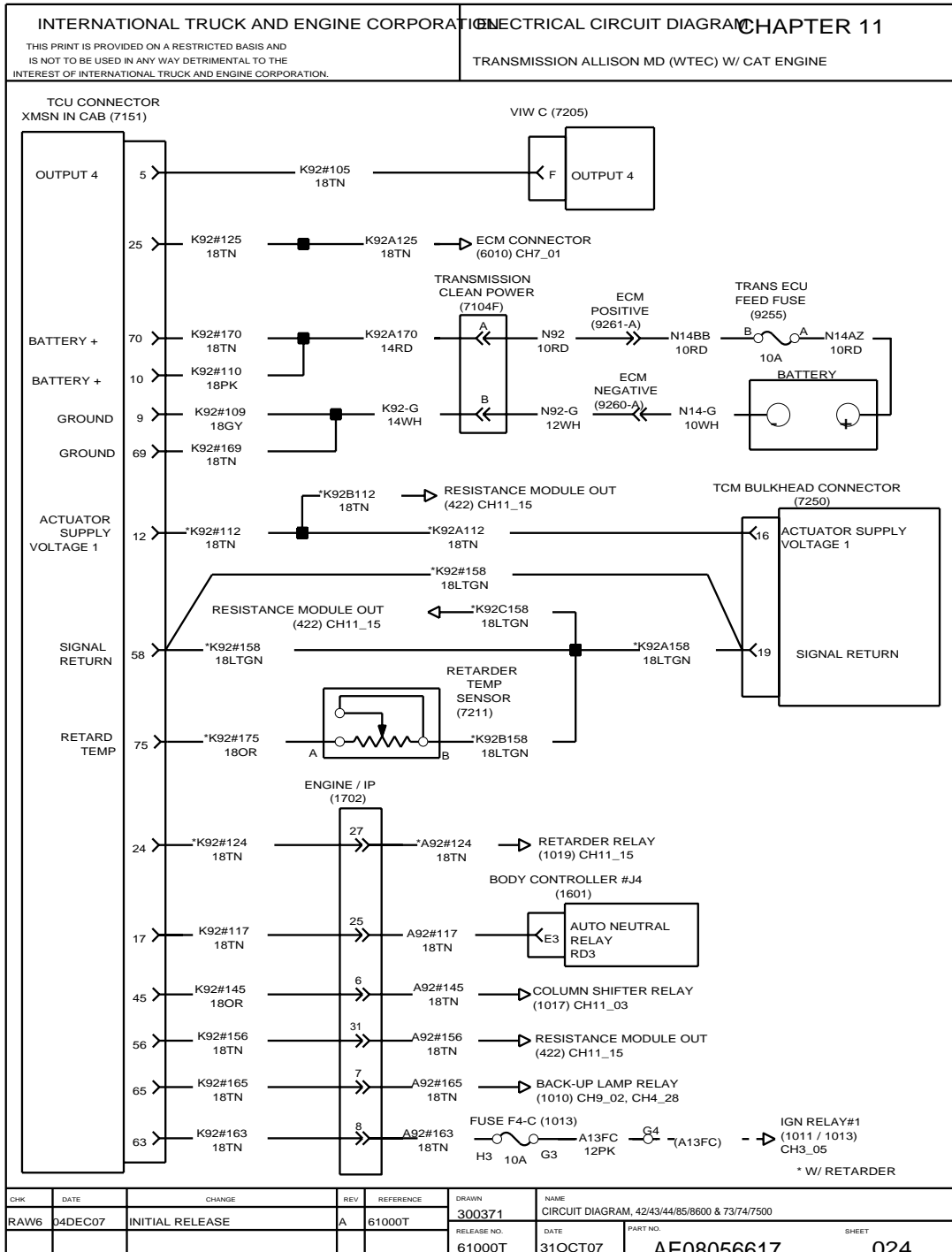


Figure 234 Transmission Allison MD (WTEC) with Cat Engine

11.28. FREEDOMLINE TRANSMISSION WITH CAT AND ISM ENGINE, P. 25

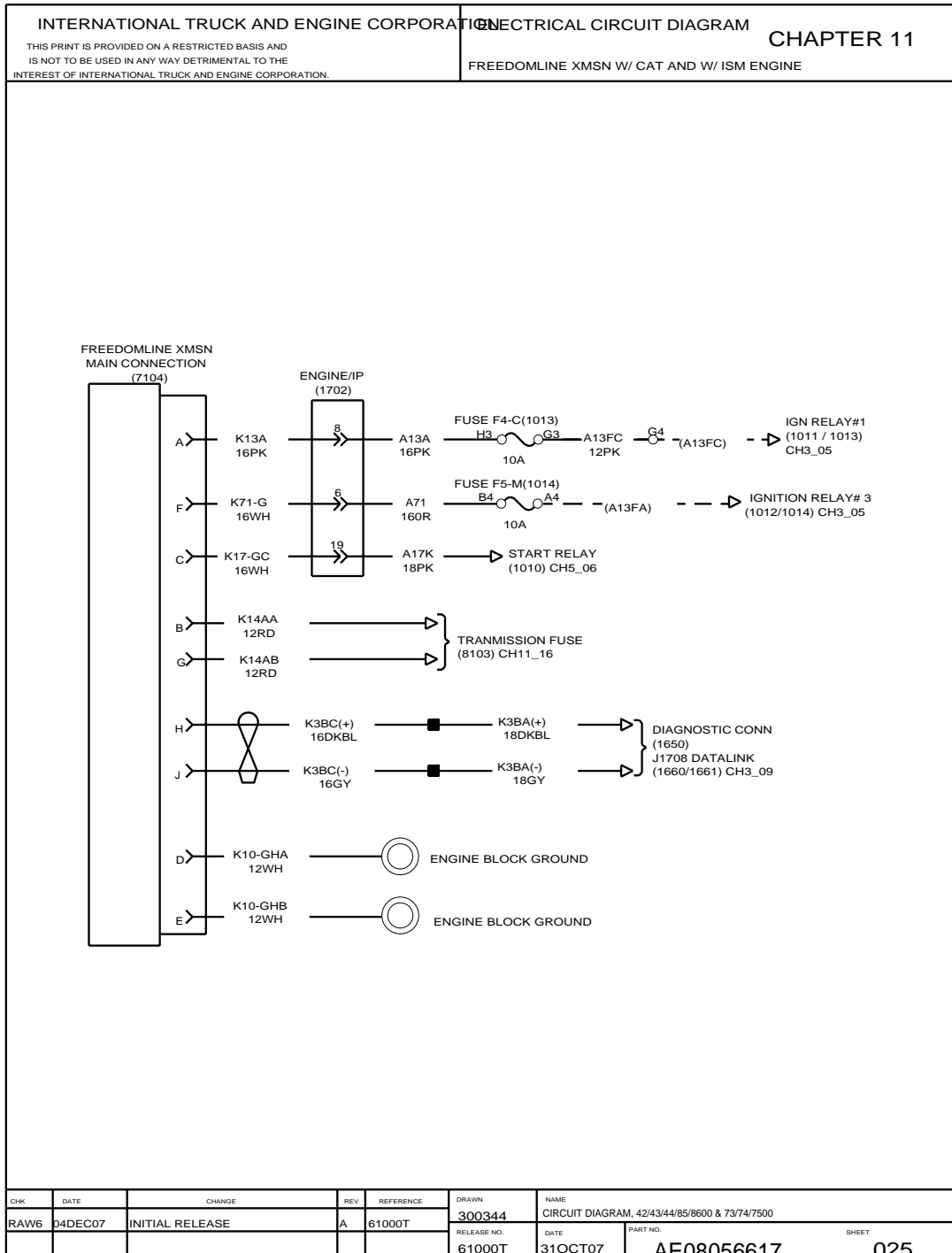


Figure 235 Freedomline Transmission with Cat and ISM Engine

11.29. EATON AUTO AND ULTRASHIFT GEN 3 TRANSMISSION WITH IBB ENGINE, P. 26

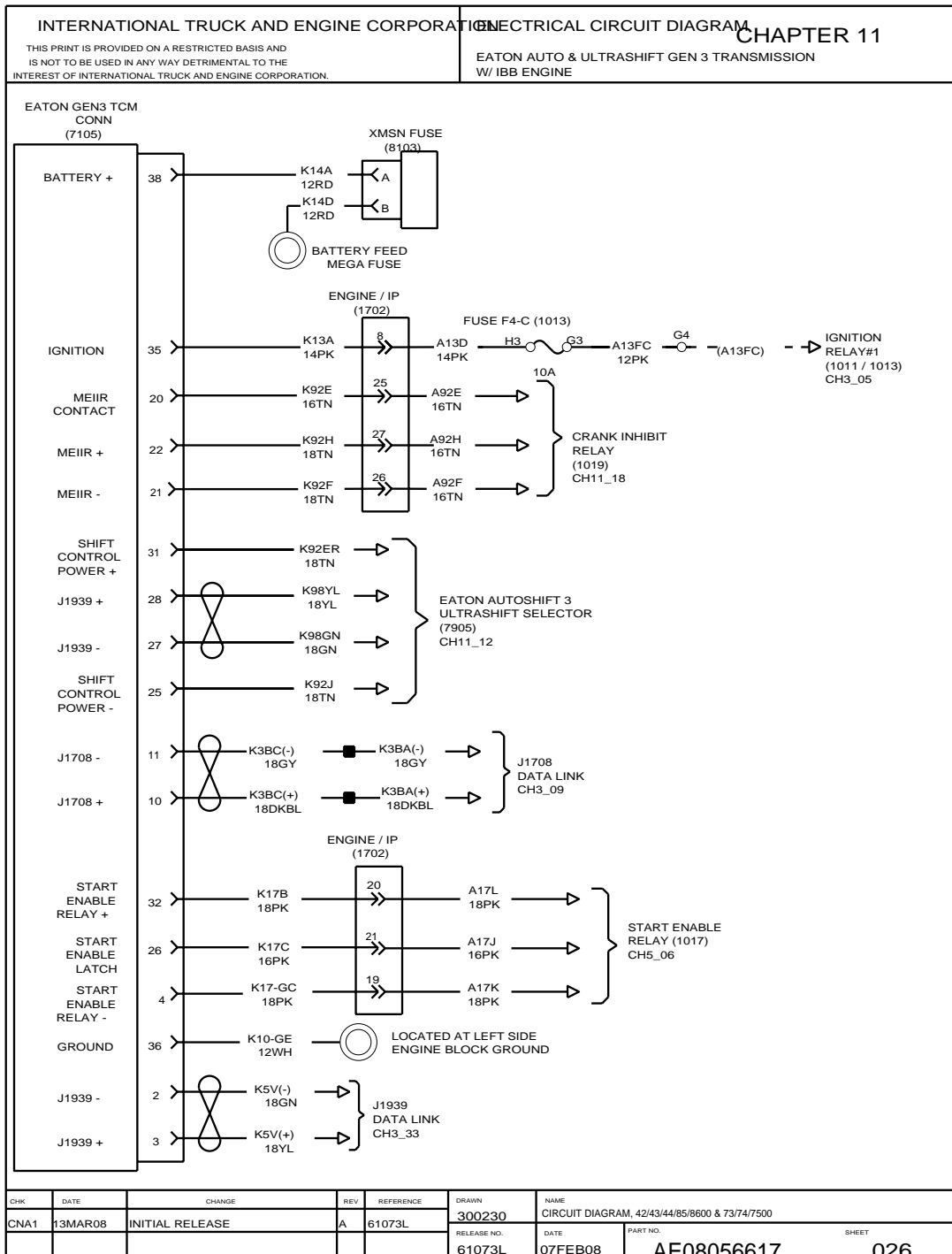


Figure 236 Eaton Auto and Ultrashift Gen 3 Transmission with IBB Engine



11.30. TRANSMISSION ALLISON WITH IBB ENGINE, P. 27

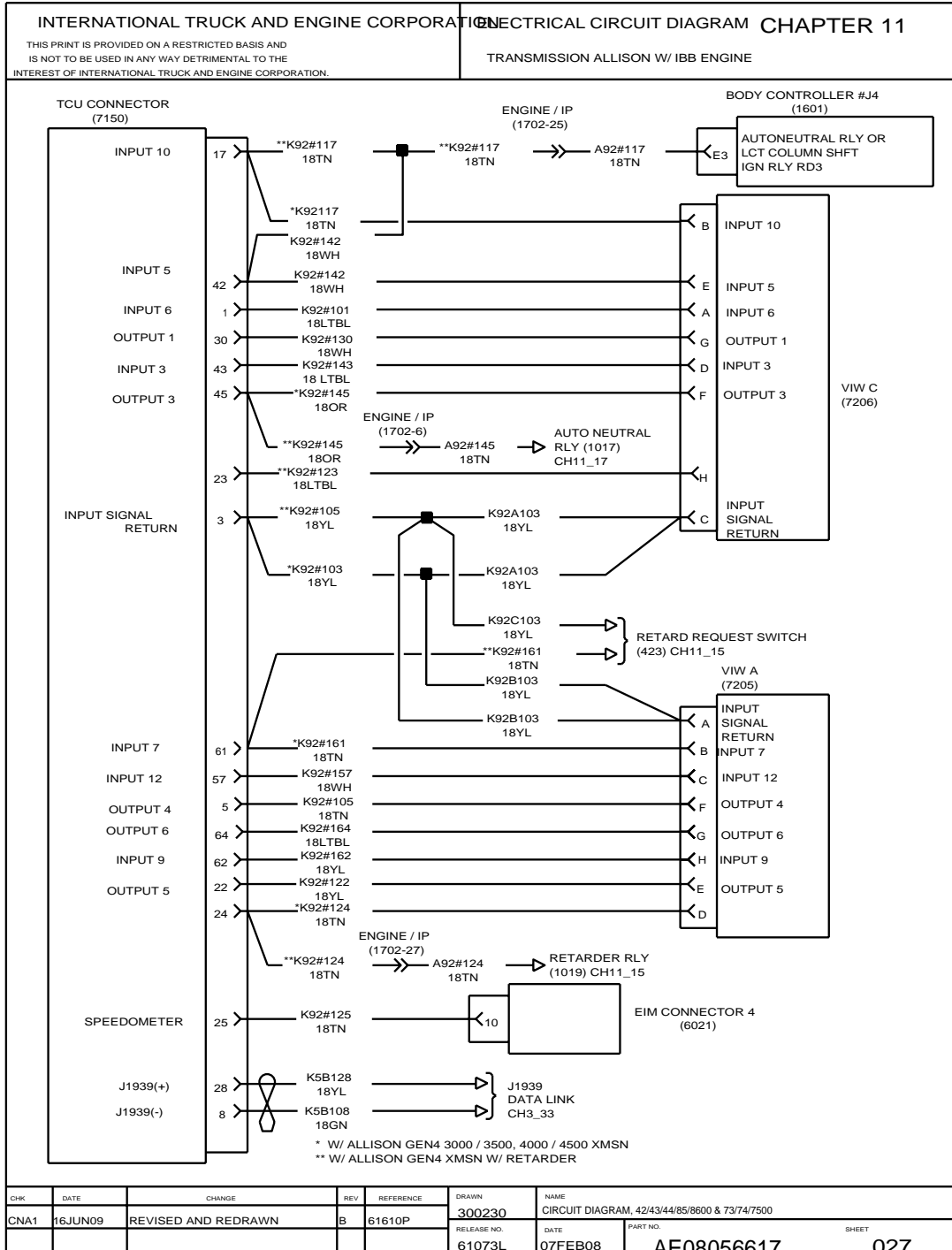


Figure 237 Transmission Allison with IBB Engine

11.31. TRANSMISSION ALLISON WITH IBB ENGINE, P. 28

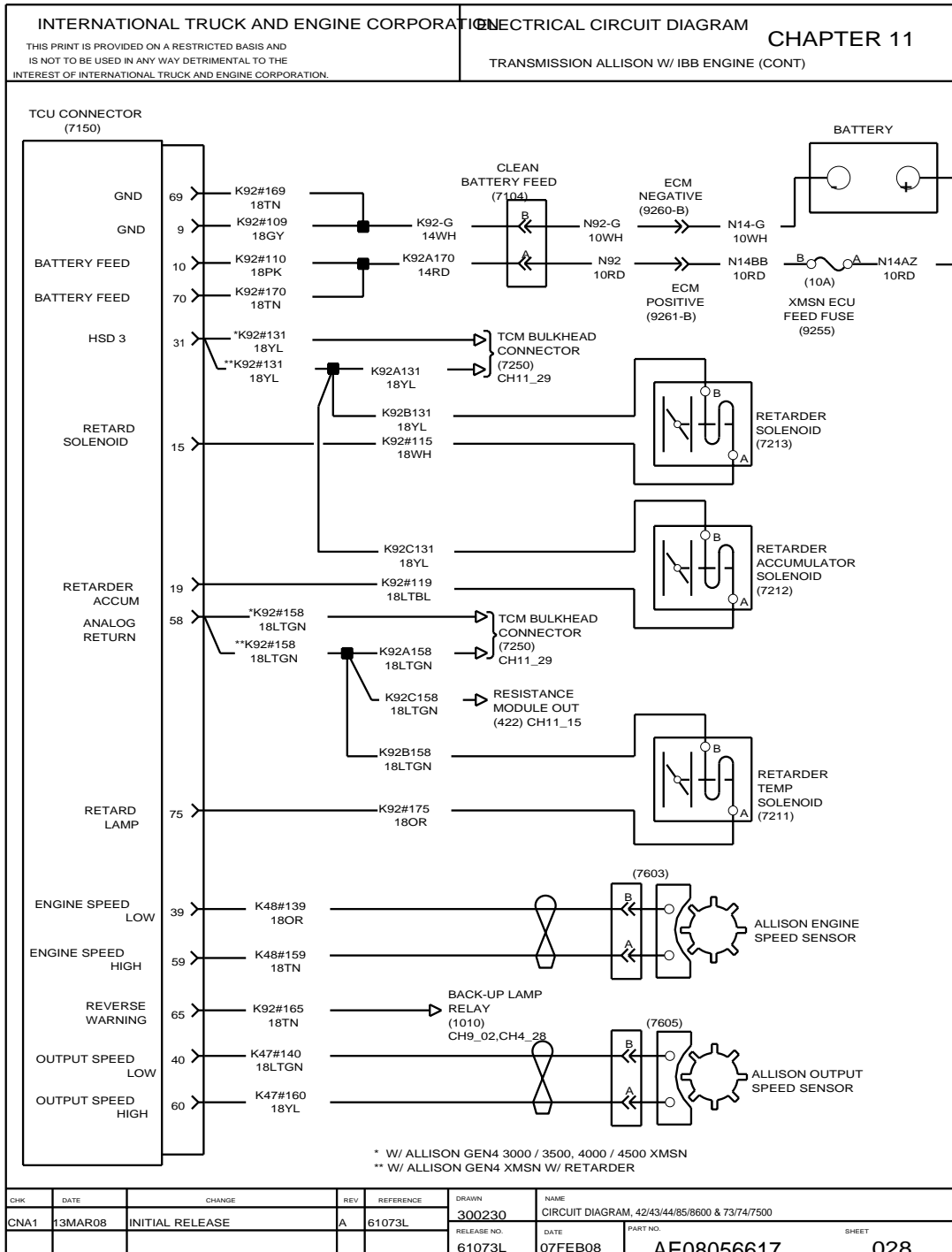


Figure 238 Transmission Allison with IBB Engine

11.32. TRANSMISSION ALLISON WITH IBB ENGINE, P. 29

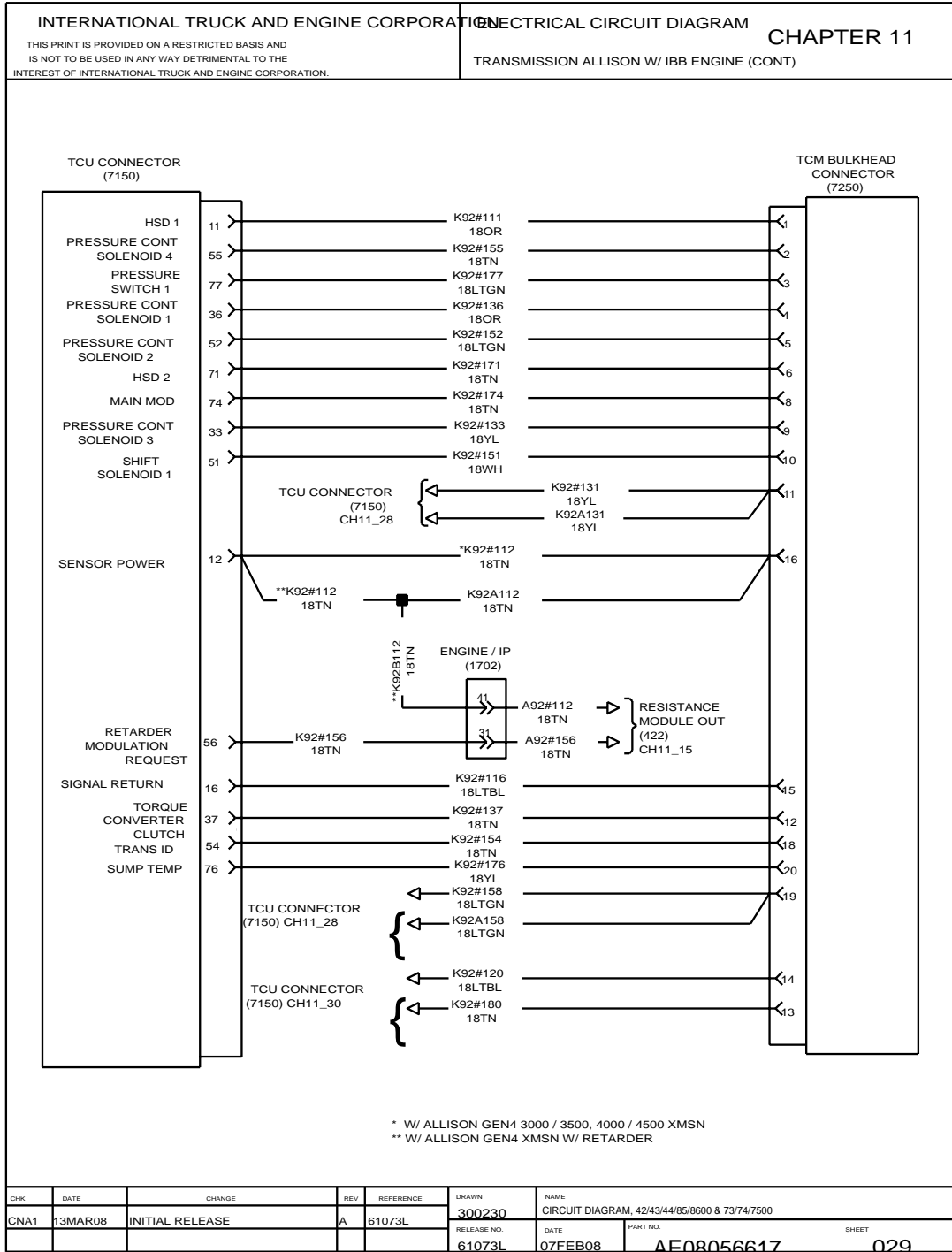


Figure 239 Transmission Allison with IBB Engine

11.33. TRANSMISSION ALLISON WITH IBB ENGINE, P. 30

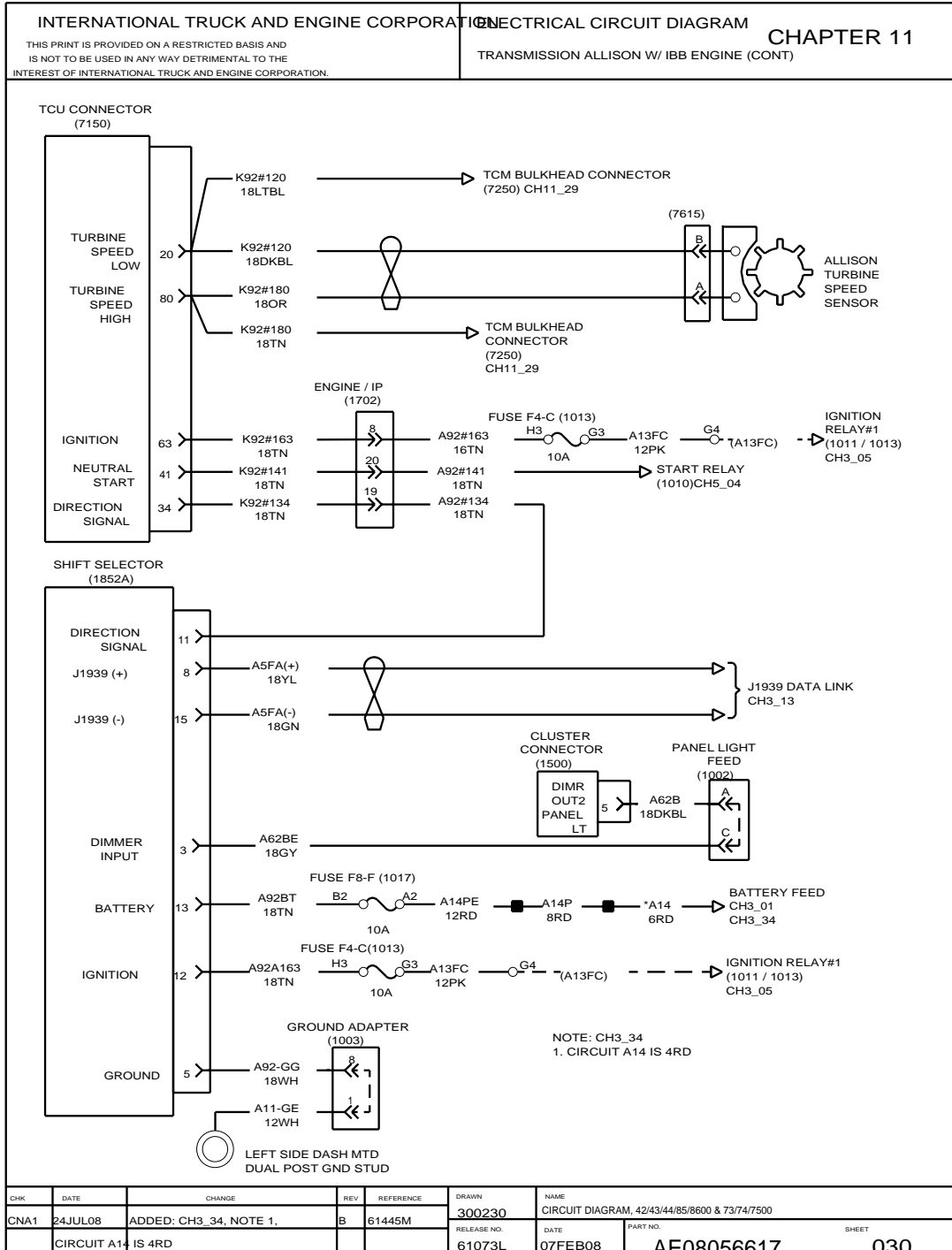


Figure 240 Transmission Allison with IBB Engine

## 12. AIR CONDITIONING (CHAPTER 12)

### 12.1. AIR CONDITIONING, P. 1

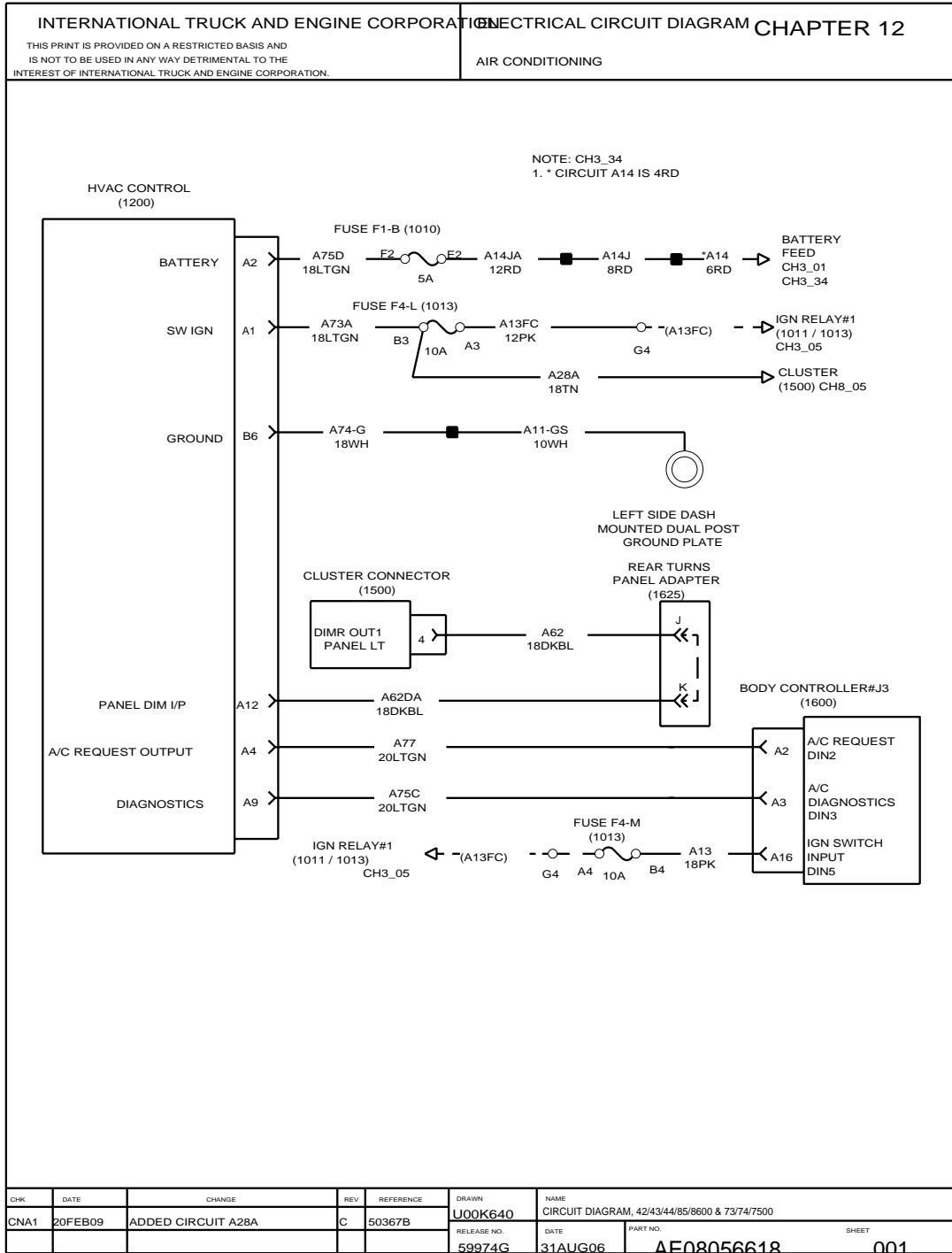


Figure 241 Air Conditioning

12.2. AIR CONDITIONING, P. 2

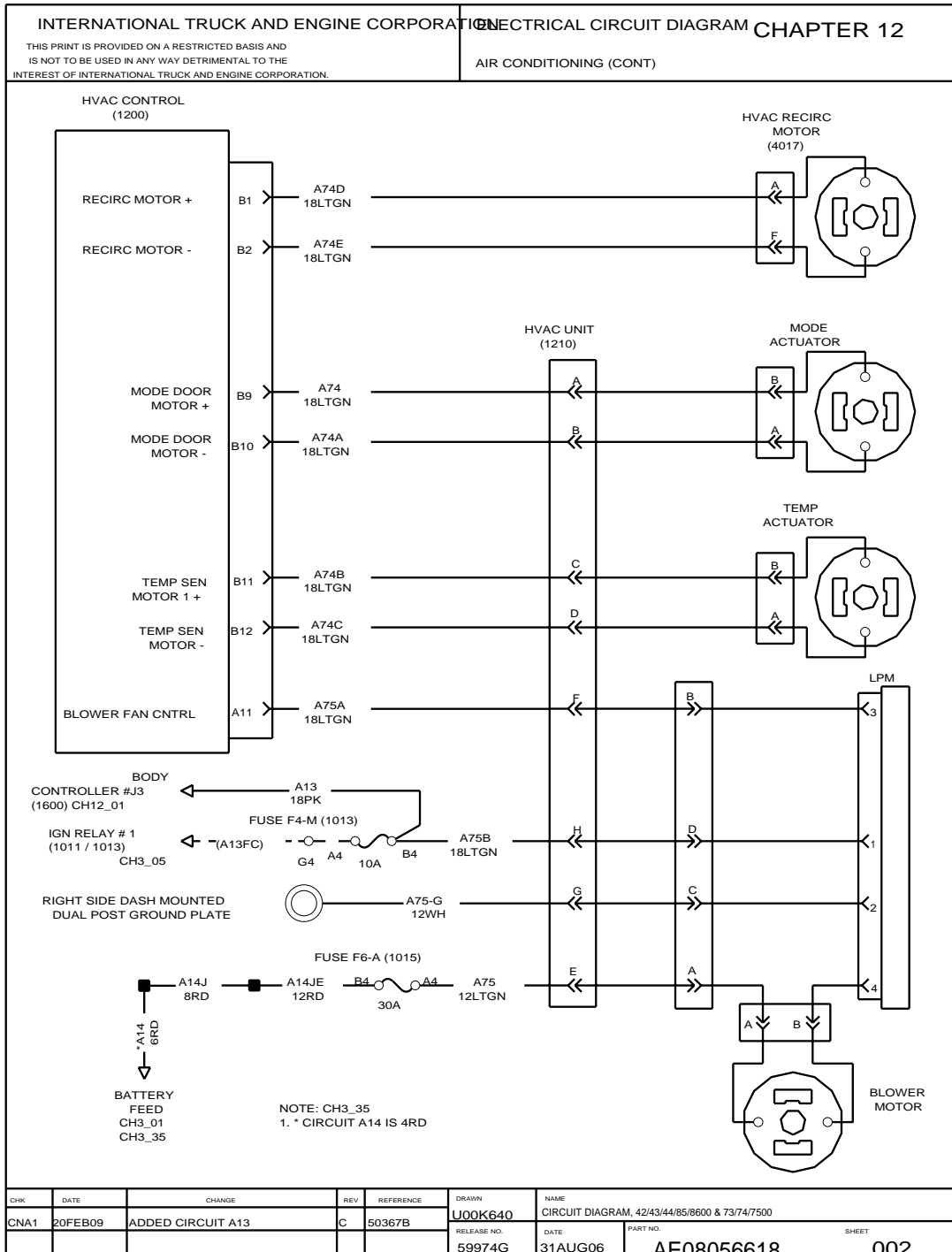


Figure 242 Air Conditioning (Cont.)

12.3. HVAC SYSTEM, P. 3

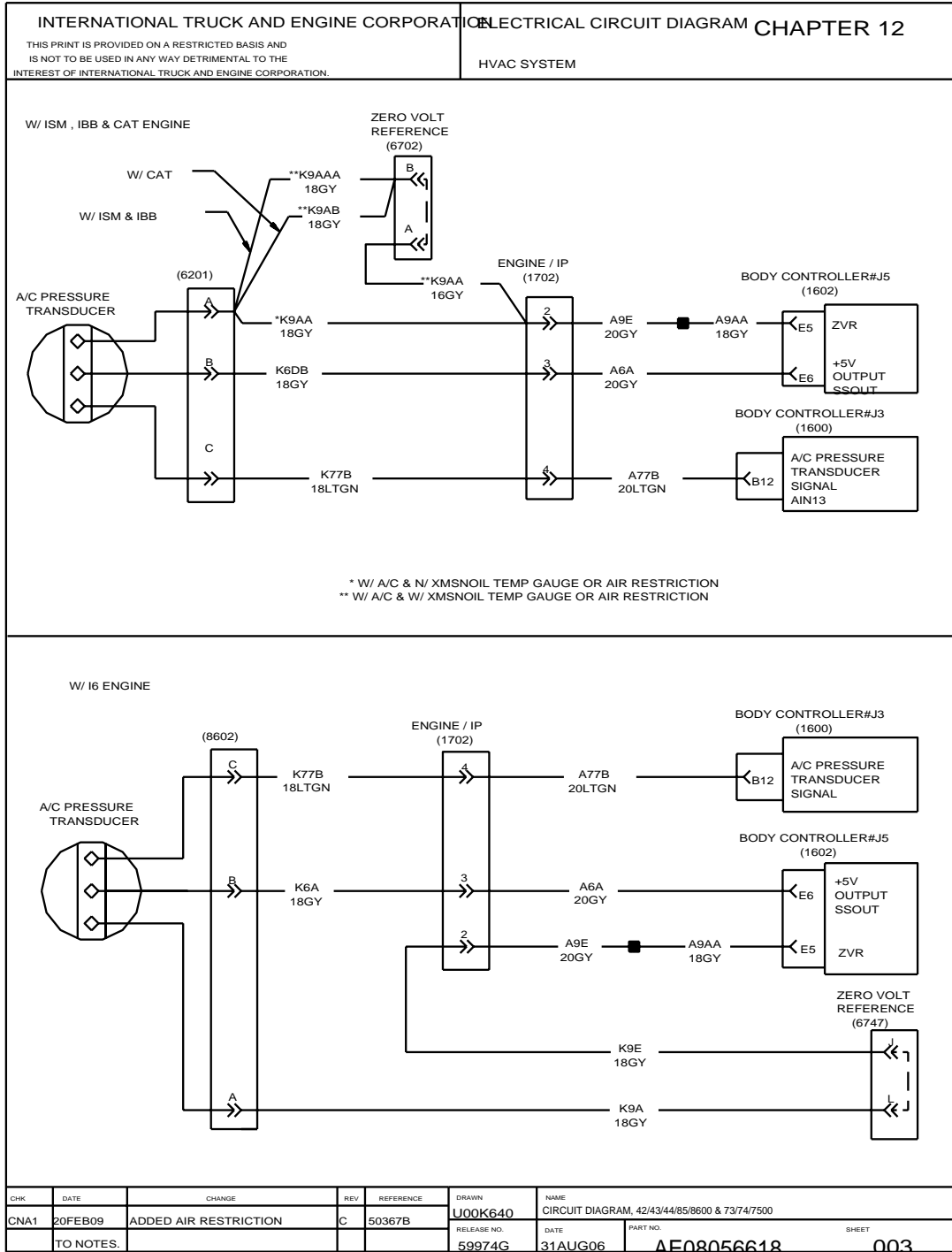


Figure 243 HVAC System

12.4. HVAC SYSTEM, P. 4

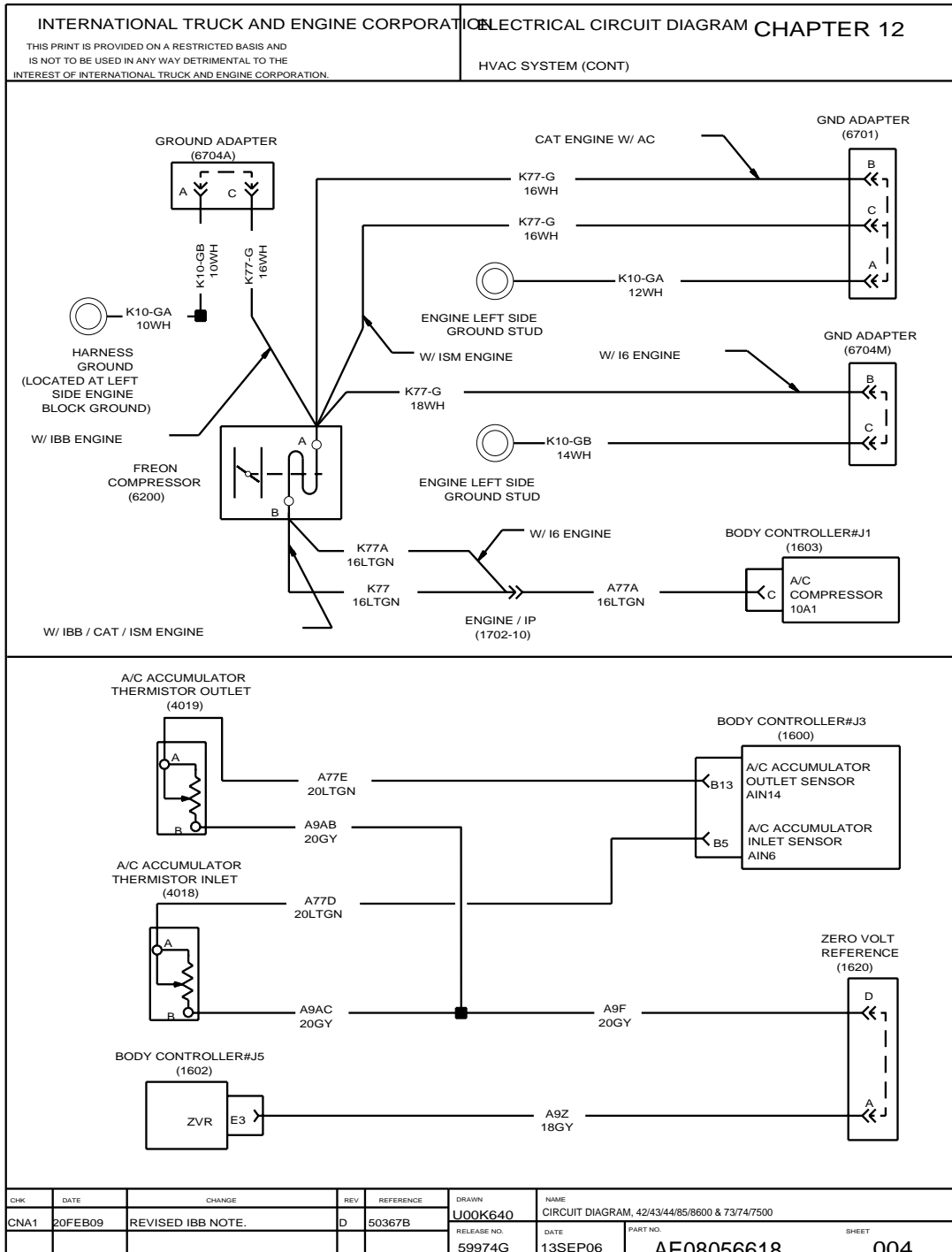


Figure 244 HVAC System (Cont.)



12.5. HVAC SYSTEM, P. 5

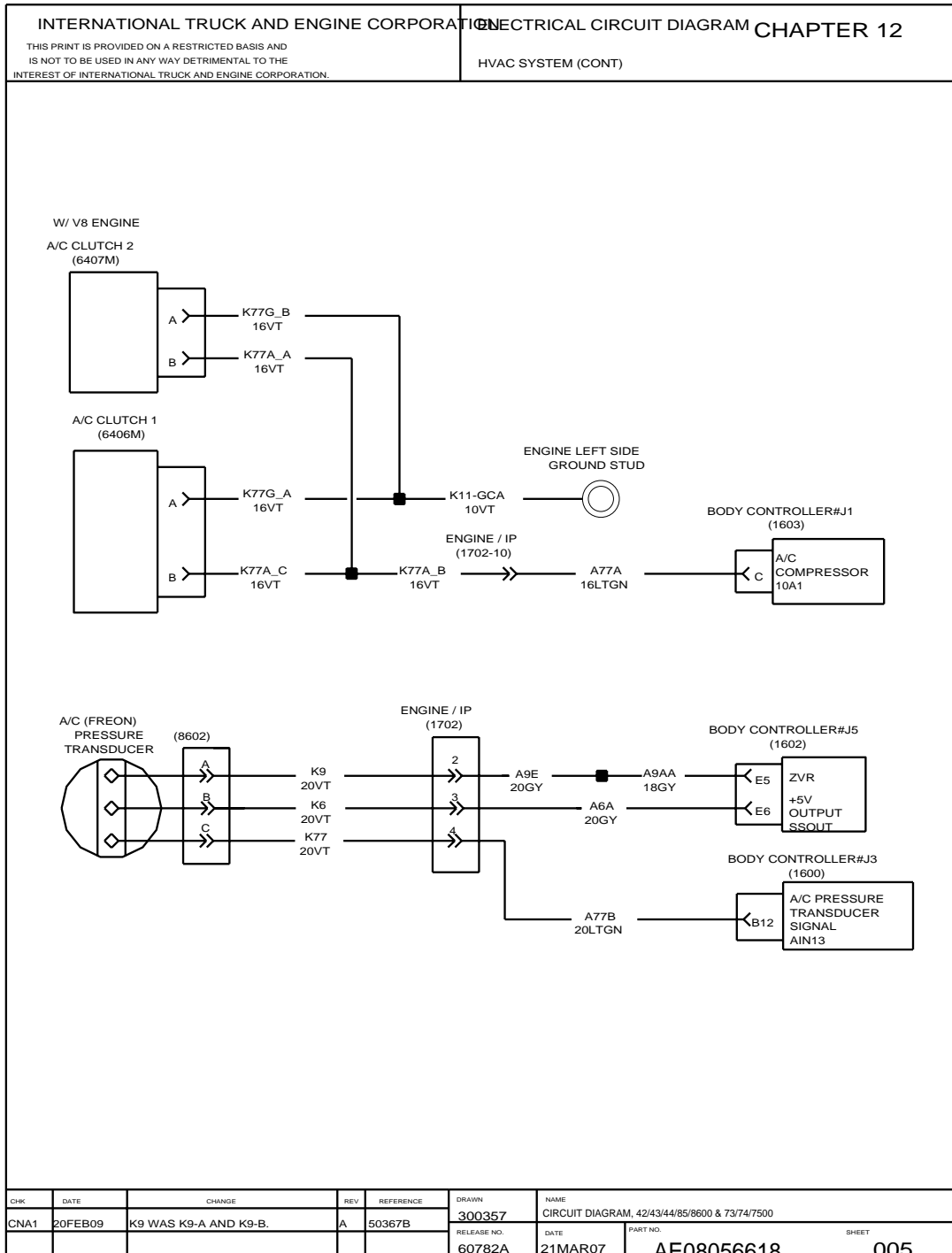


Figure 245 HVAC System (Cont.)

12.6. AUTOTHERM SYSTEM, P. 6

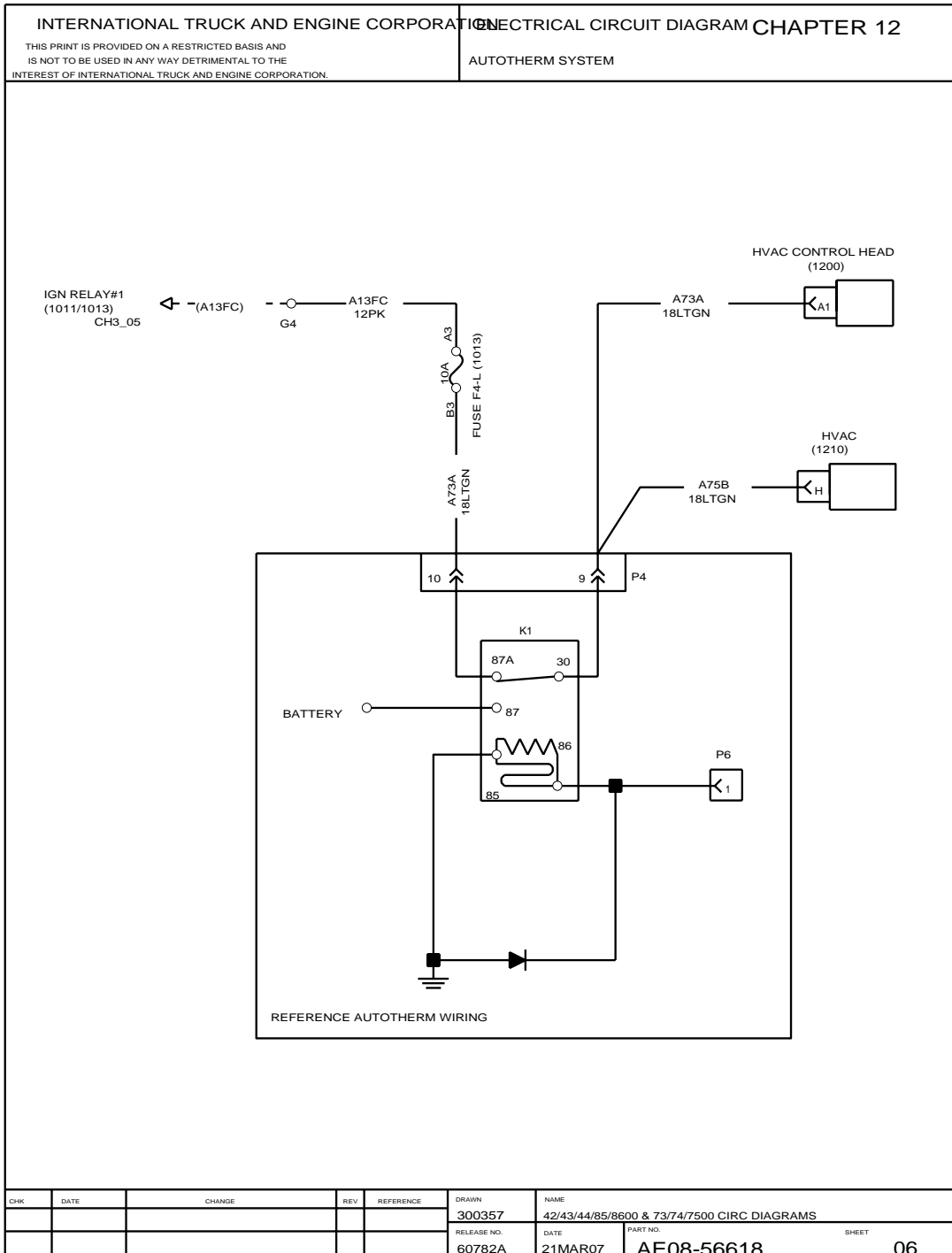


Figure 246 Autotherm System

## 13. CONNECTOR COMPOSITES (CHAPTER 13)

### 13.1. CONNECTOR COMPOSITES (1J), (2J), (71), P. 1

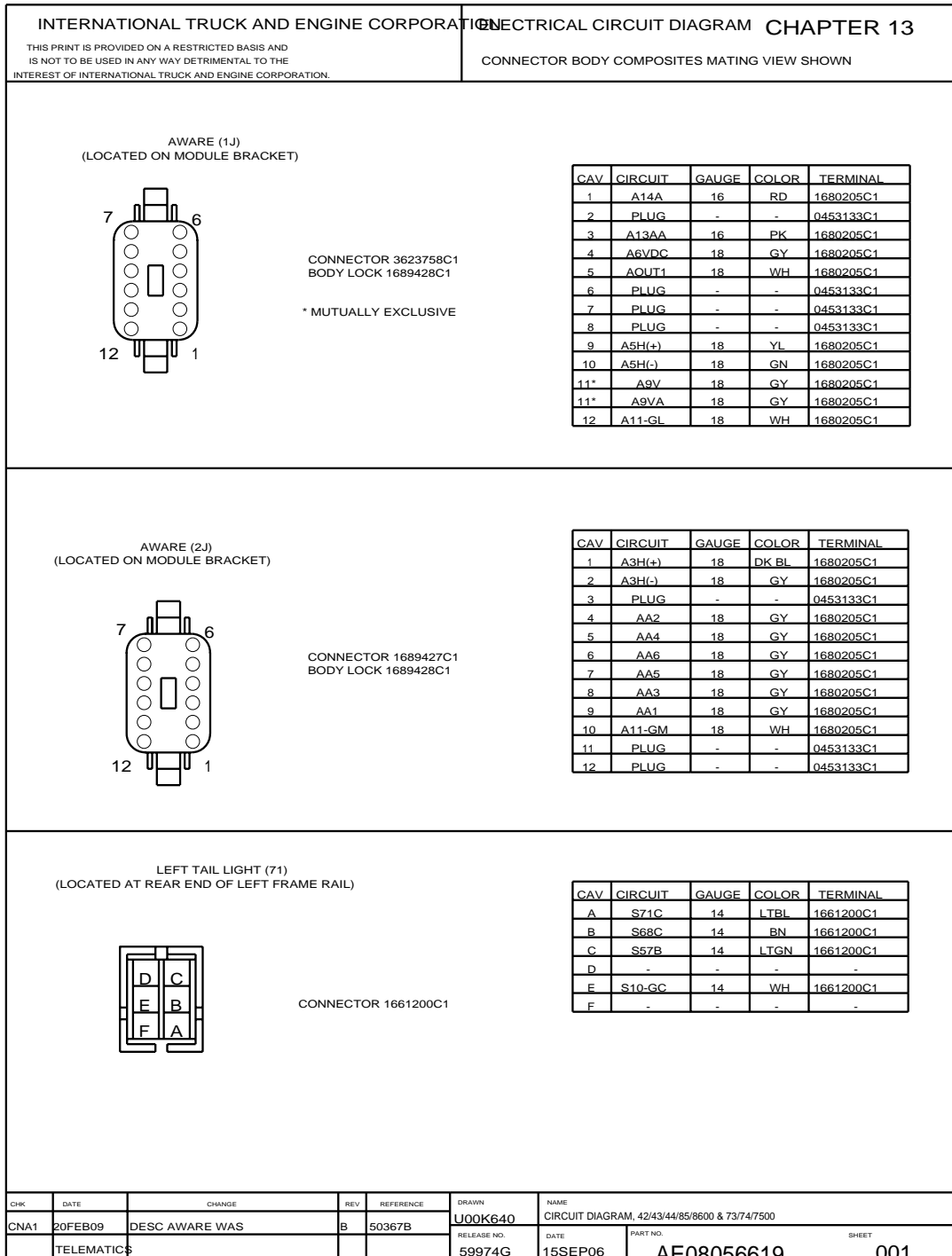


Figure 247 Connector Composites (1J), (2J), (71)

13.2. CONNECTOR COMPOSITES (72), (254F), (254M), (345), (400), P. 2

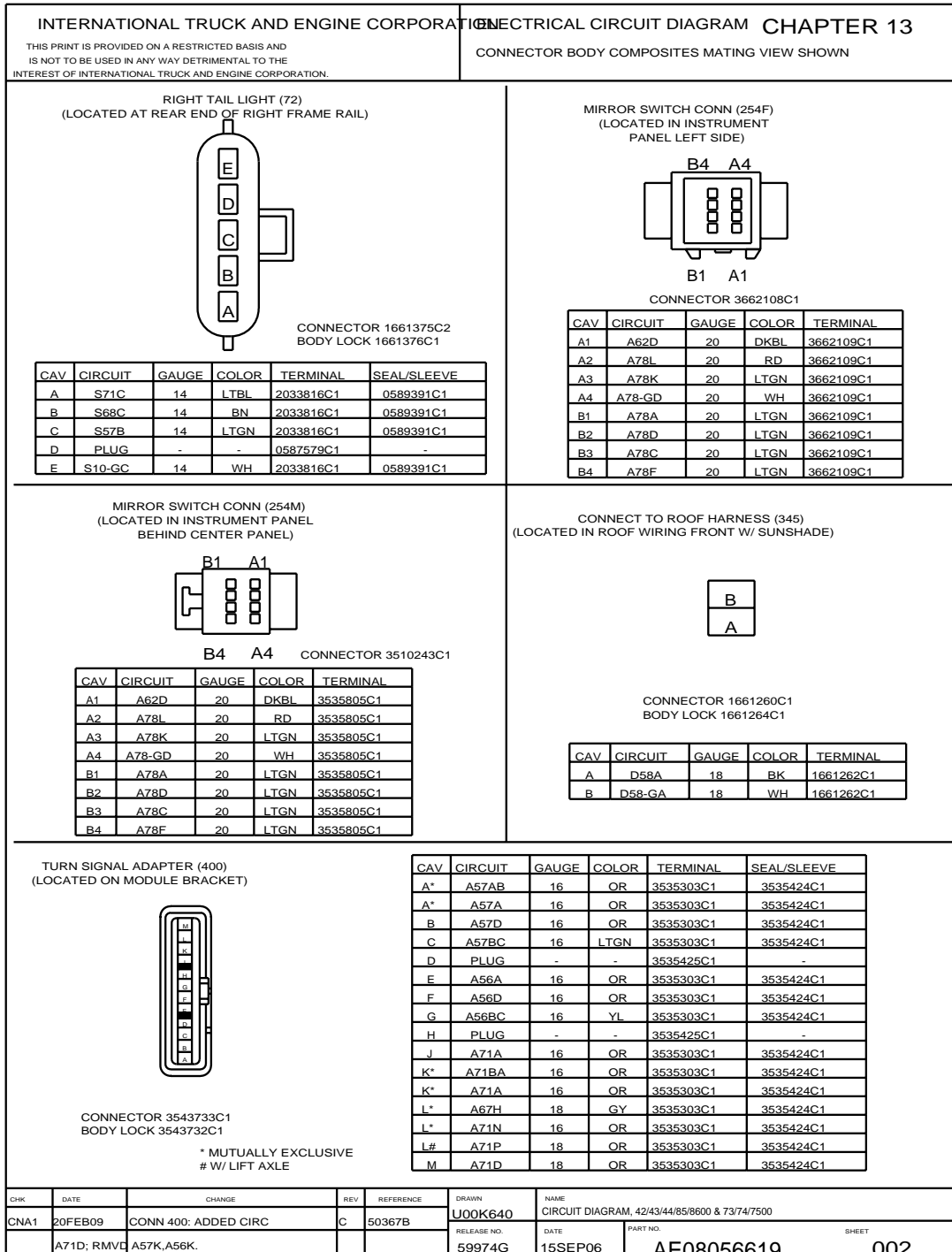


Figure 248 Connector Composites (72), (254F), (254M), (345), (400)

13.3. CONNECTOR COMPOSITES (421), (422), (422F), (423), (424), (425), P. 3

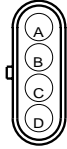
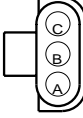
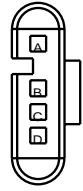
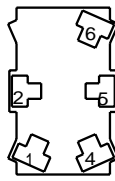
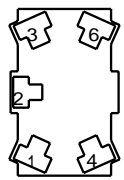
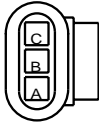
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN							
RESISTANCE MODULE IN (421) (LOCATED IN INSTRUMENT PANEL CENTER)				RESISTANCE MODULE OUT (422) (LOCATED IN INSTRUMENT PANEL CENTER)							
											
CONNECTOR 0587571C91				CONNECTOR 3519221C91							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A92RE	18	TN	0587578C1	3517771C1	A	A92#158	18	TN	0587576C1	3517771C1
B	A92RF	18	TN	0587578C1	3517771C1	B	A92#156	18	TN	0587576C1	3517771C1
C	A92RH	18	TN	0587578C1	3517771C1	C	A92#112	18	TN	0587576C1	3517771C1
D	A92RJ	18	TN	0587578C1	3517771C1						
LCT T HANDLE SHIFTER (422F) (LOCATED IN INSTRUMENT PANEL)				RETARD REQUEST SWITCH (423) (LOCATED IN INSTRUMENT PANEL CENTER)							
											
CONNECTOR 3540756C1 BODY LOCK 3540758C1				CONNECTOR 1673743C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	
A	A92A163	16	TN	1661875C1	1661872C1	1	A92#161	18	TN	1661224C1	
B	A92D	18	TN	1661875C1	3568570C1	2	A92#103	18	TN	1661224C1	
C	A92#142	18	TN	1661875C1	3568570C1	4	-	-	-	-	
D*	A92#103	18	TN	1661875C1	3568570C1	5	-	-	-	-	
D*	A92A103	18	TN	1661875C1	3568570C1	6	-	-	-	-	
* MUTUALLY EXCLUSIVE				* MUTUALLY EXCLUSIVE							
RETARDER OUTPUT SWITCH (424) (LOCATED IN INSTRUMENT PANEL CENTER)				FELSTED SHIFTER PARK BRAKE (425) (LOCATED IN INSTRUMENT PANEL CENTER)							
											
CONNECTOR 1687783C1				CONNECTOR 1667741C1 BODY LOCK 1667771C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	-	-	-	-		A	A92-GG	18	WH	1661875C1	3568570C1
2	A92RE	18	TN	1661224C1		B	A44L	18	GY	1661875C1	3568570C1
3	A92RF	18	TN	1661224C1		C	A44J	18	GY	1661875C1	3568570C1
4	A92RH	18	TN	1661224C1							
6	A92RJ	18	TN	1661224C1							
* MUTUALLY EXCLUSIVE											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME					
CNA1	20FEB09	CONN 425: CIRCUIT	B	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500					
	A44J WAS A92AG.				59974G	DATE	PART NO.	SHEET			
						15SEP06	AE08056619	003			

Figure 249 Connector Composites (421), (422), (422F), (423), (424), (425)

13.4. CONNECTOR COMPOSITES (520), (521), (522), (523), (524), (827), P. 4






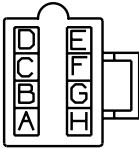
<b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b> <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		<b>ELECTRICAL CIRCUIT DIAGRAM</b> <b>CHAPTER 13</b> CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																											
<p style="text-align: center;">CLEARANCE LIGHT (520) (LOCATED IN SUNSHADE)</p>  <p style="text-align: center;">CONNECTOR 1661259C1 BODY LOCK 1661263C1</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D58B</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D58-GB</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D58B	18	BN	1661261C1	B	D58-GB	18	WH	1661261C1	<p style="text-align: center;">CLEARANCE LIGHT (521) (LOCATED IN SUNSHADE)</p>  <p style="text-align: center;">CONNECTOR 1661259C1 BODY LOCK 1661263C1</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D58C</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D58-GC</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D58C	18	BN	1661261C1	B	D58-GC	18	WH	1661261C1																														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
A	D58B	18	BN	1661261C1																																																									
B	D58-GB	18	WH	1661261C1																																																									
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
A	D58C	18	BN	1661261C1																																																									
B	D58-GC	18	WH	1661261C1																																																									
<p style="text-align: center;">CLEARANCE LIGHT (522) (LOCATED IN SUNSHADE)</p>  <p style="text-align: center;">CONNECTOR 1661259C1 BODY LOCK 1661263C1</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D58D</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D58-GD</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D58D	18	BN	1661261C1	B	D58-GD	18	WH	1661261C1	<p style="text-align: center;">CLEARANCE LIGHT (523) (LOCATED IN SUNSHADE)</p>  <p style="text-align: center;">CONNECTOR 1661259C1 BODY LOCK 1661263C1</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D58E</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D58-GE</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D58E	18	BN	1661261C1	B	D58-GE	18	WH	1661261C1																														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
A	D58D	18	BN	1661261C1																																																									
B	D58-GD	18	WH	1661261C1																																																									
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
A	D58E	18	BN	1661261C1																																																									
B	D58-GE	18	WH	1661261C1																																																									
<p style="text-align: center;">CLEARANCE LIGHT (524) (LOCATED IN SUNSHADE)</p>  <p style="text-align: center;">CONNECTOR 1661259C1 BODY LOCK 1661263C1</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D58F</td> <td>18</td> <td>BN</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D58-GF</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D58F	18	BN	1661261C1	B	D58-GF	18	WH	1661261C1	<p style="text-align: center;">TRIPMASTER DATA MAX CONNECTION (827) (LOCATED IN INSTRUMENT PANEL RIGHT SIDE)</p>  <p style="text-align: center;">CONNECTOR 2005836C1 BODY LOCK 2006504C1</p> <table border="1" style="width:100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A14SD</td> <td>18</td> <td>RD</td> <td>1661212C1</td> </tr> <tr> <td>B</td> <td>A13SD</td> <td>18</td> <td>PK</td> <td>1661212C1</td> </tr> <tr> <td>C</td> <td>A11-GSD</td> <td>18</td> <td>WH</td> <td>1661212C1</td> </tr> <tr> <td>D</td> <td>A3AC(+)</td> <td>18</td> <td>DKBL</td> <td>1661212C1</td> </tr> <tr> <td>E</td> <td>A3AC(-)</td> <td>18</td> <td>GY</td> <td>1661212C1</td> </tr> <tr> <td>F</td> <td>A50S</td> <td>18</td> <td>YL</td> <td>1661212C1</td> </tr> <tr> <td>G</td> <td>A70EA</td> <td>18</td> <td>OR</td> <td>1661212C1</td> </tr> <tr> <td>H</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A14SD	18	RD	1661212C1	B	A13SD	18	PK	1661212C1	C	A11-GSD	18	WH	1661212C1	D	A3AC(+)	18	DKBL	1661212C1	E	A3AC(-)	18	GY	1661212C1	F	A50S	18	YL	1661212C1	G	A70EA	18	OR	1661212C1	H	-	-	-	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
A	D58F	18	BN	1661261C1																																																									
B	D58-GF	18	WH	1661261C1																																																									
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
A	A14SD	18	RD	1661212C1																																																									
B	A13SD	18	PK	1661212C1																																																									
C	A11-GSD	18	WH	1661212C1																																																									
D	A3AC(+)	18	DKBL	1661212C1																																																									
E	A3AC(-)	18	GY	1661212C1																																																									
F	A50S	18	YL	1661212C1																																																									
G	A70EA	18	OR	1661212C1																																																									
H	-	-	-	-																																																									
CHK MAY07	DATE CHANGE ADDED CONNECTOR LOCATIONS	REV A	REFERENCE 60782A																																																										
DRAWN UOOK640	NAME 42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS	RELEASE NO. 59974G	DATE 15SEP06																																																										
PART NO. AE08-56619		SHEET 04																																																											

Figure 250 Connector Composites (520), (521), (522), (523), (524), (827)

13.5. CONNECTOR COMPOSITES (830), (1002), (1003), (1006), P. 5

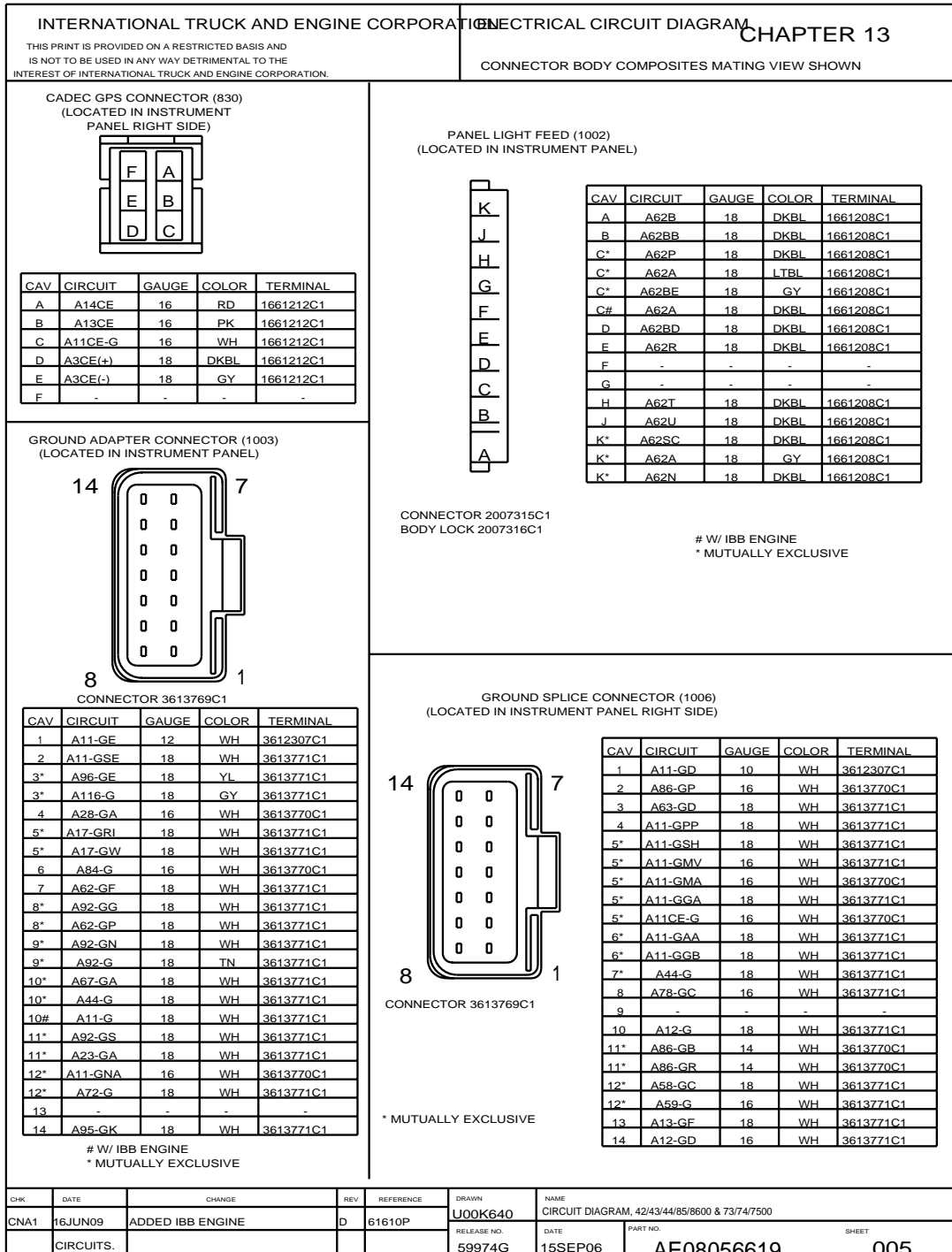


Figure 251 Connector Composites (830), (1002), (1003), (1006)

13.6. CONNECTOR COMPOSITES (1008), (1009), P. 6

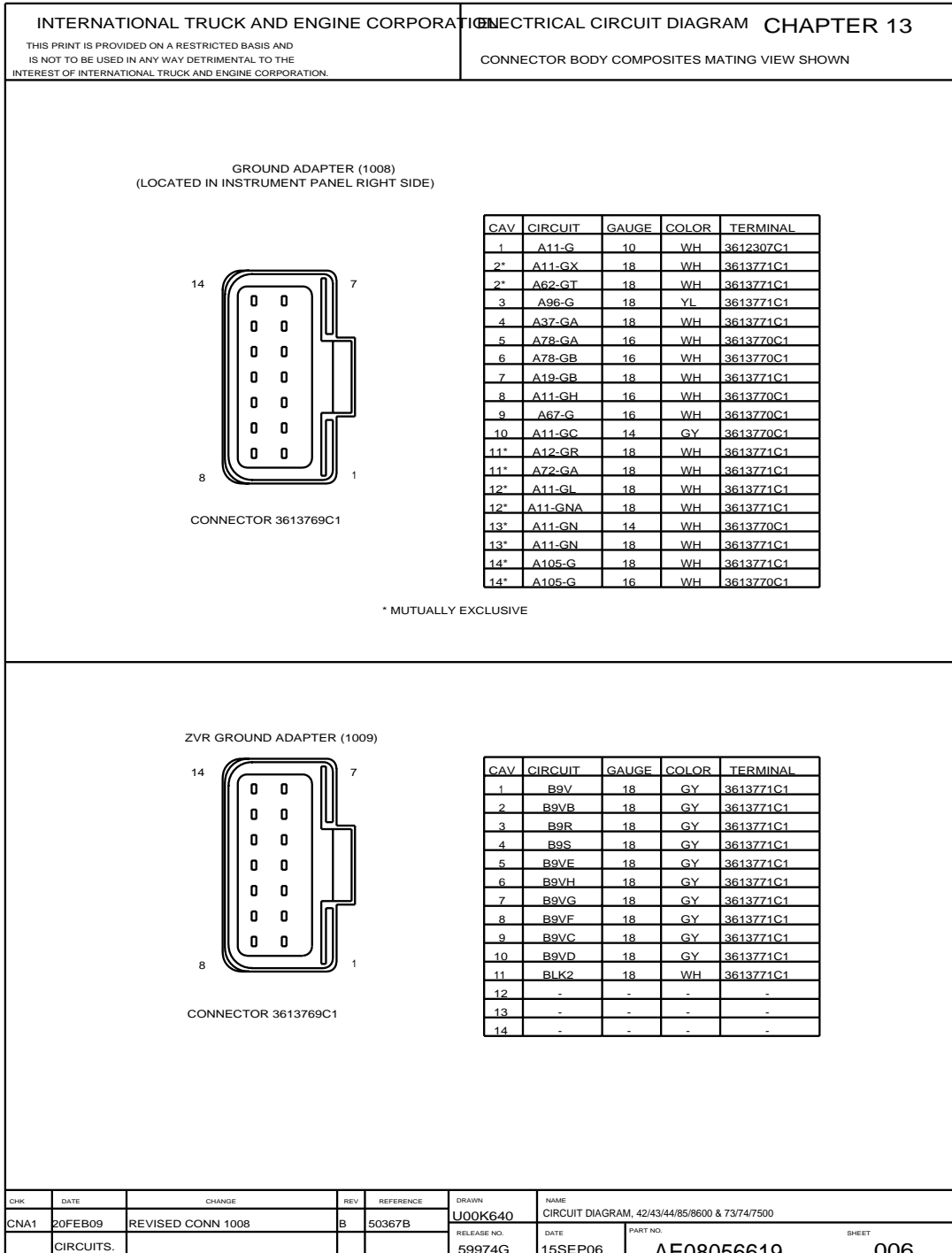


Figure 252 Connector Composites (1008), (1009)



13.7. CONNECTOR COMPOSITE (1010), P. 7

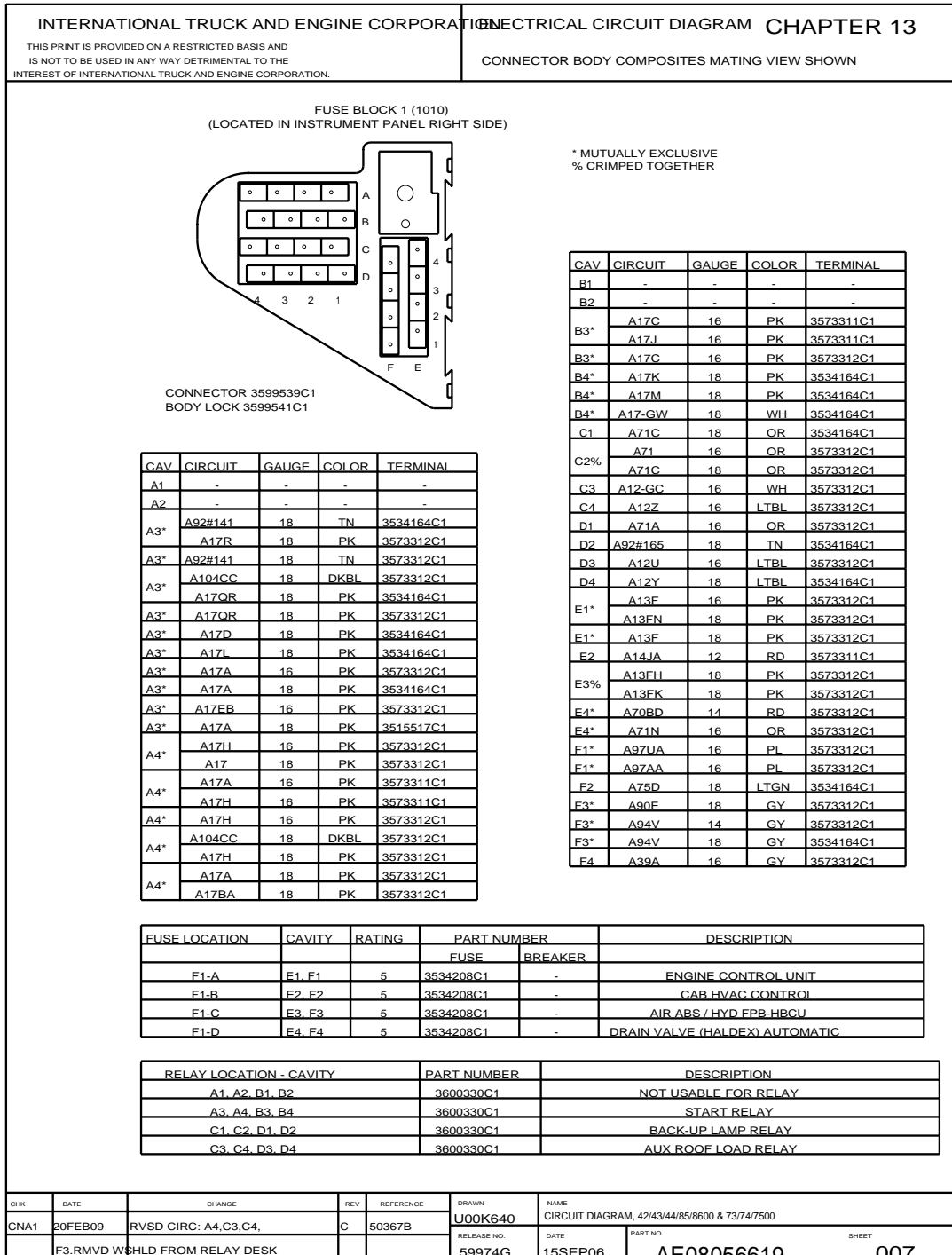


Figure 253 Connector Composite (1010)

13.8. CONNECTOR COMPOSITE (1011), P. 8

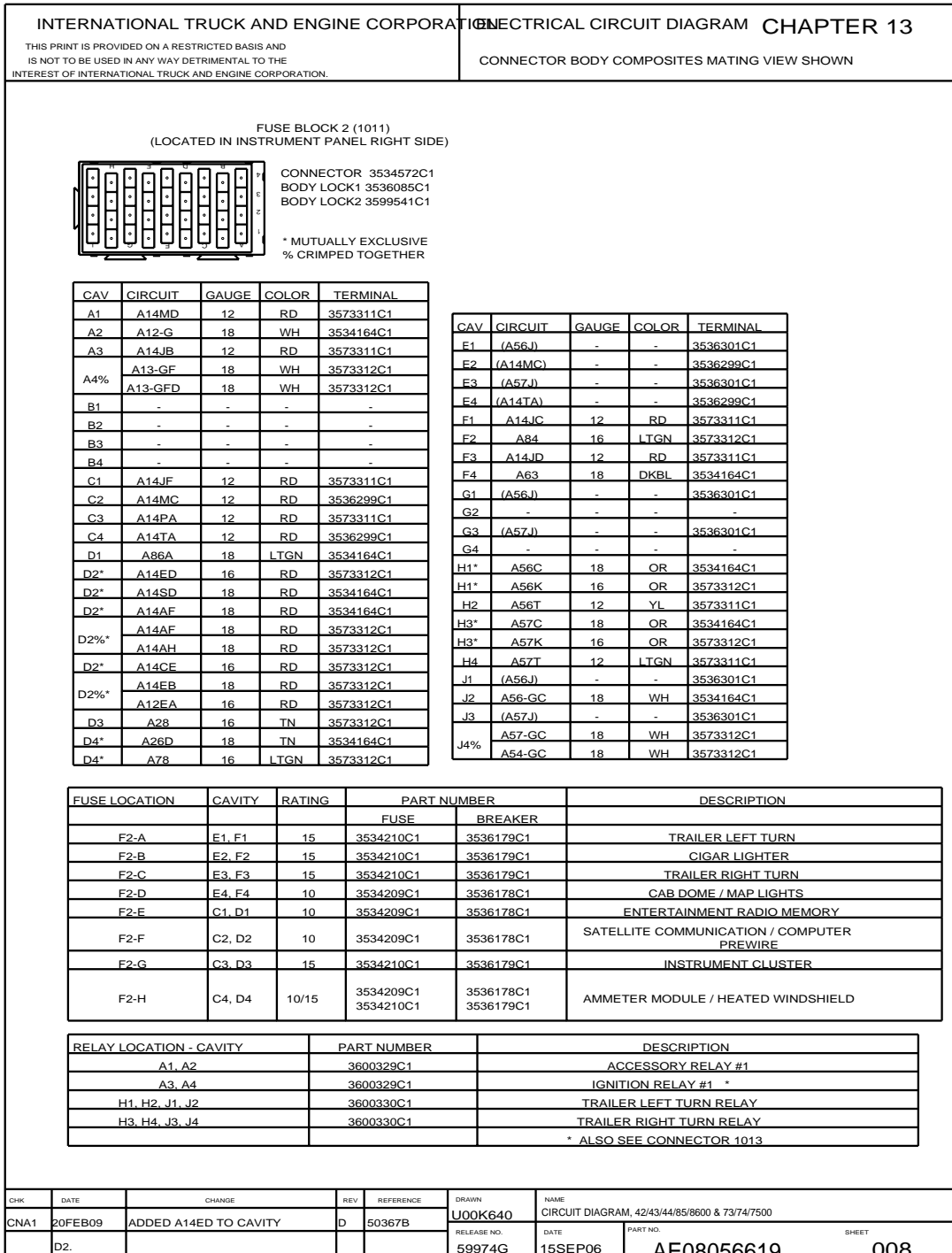


Figure 254 Connector Composite (1011)

13.9. CONNECTOR COMPOSITE (1012), P. 9

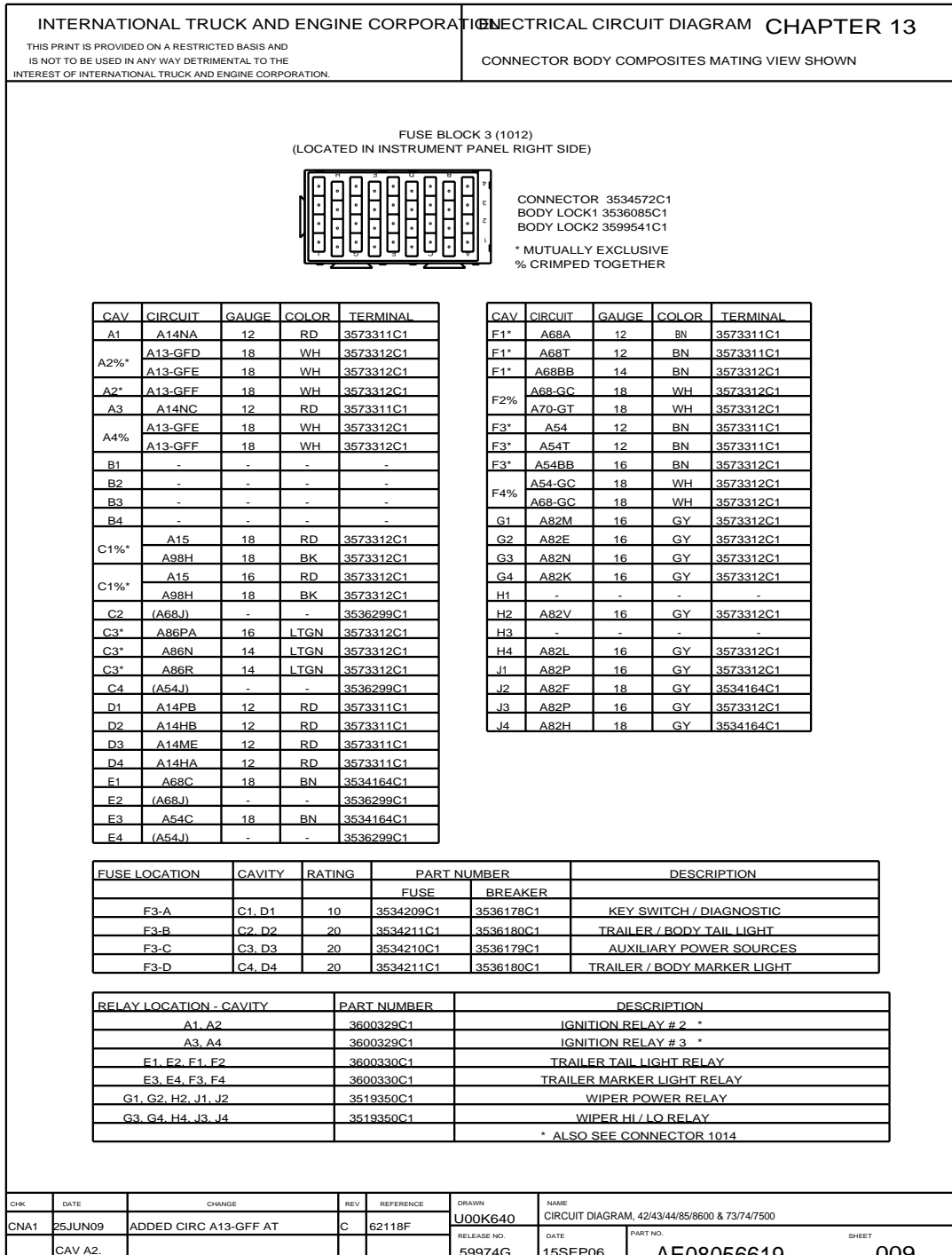


Figure 255 Connector Composite (1012)

13.10. CONNECTOR COMPOSITE (1013), P. 10

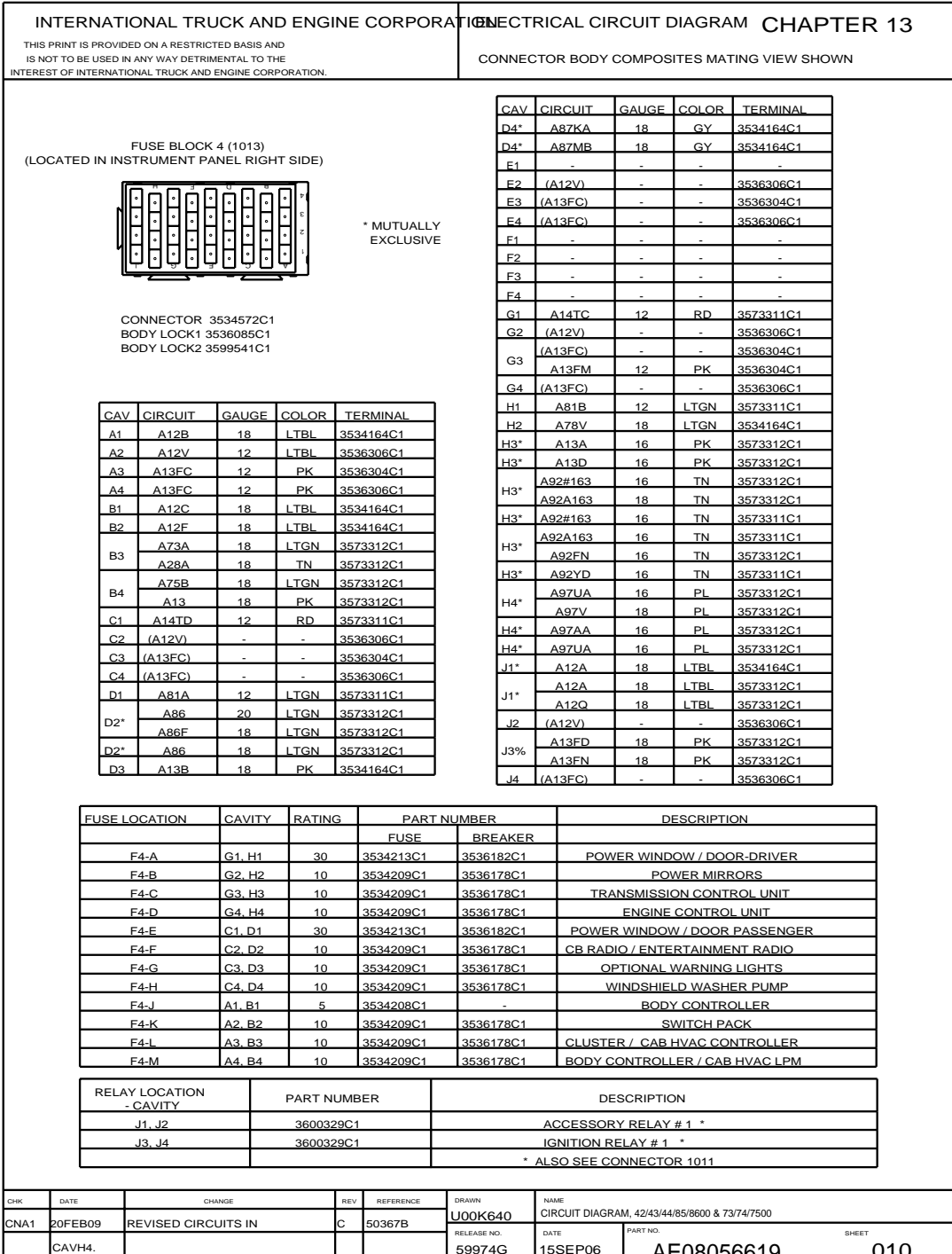


Figure 256 Connector Composite (1013)

13.11. CONNECTOR COMPOSITE (1014), P. 11

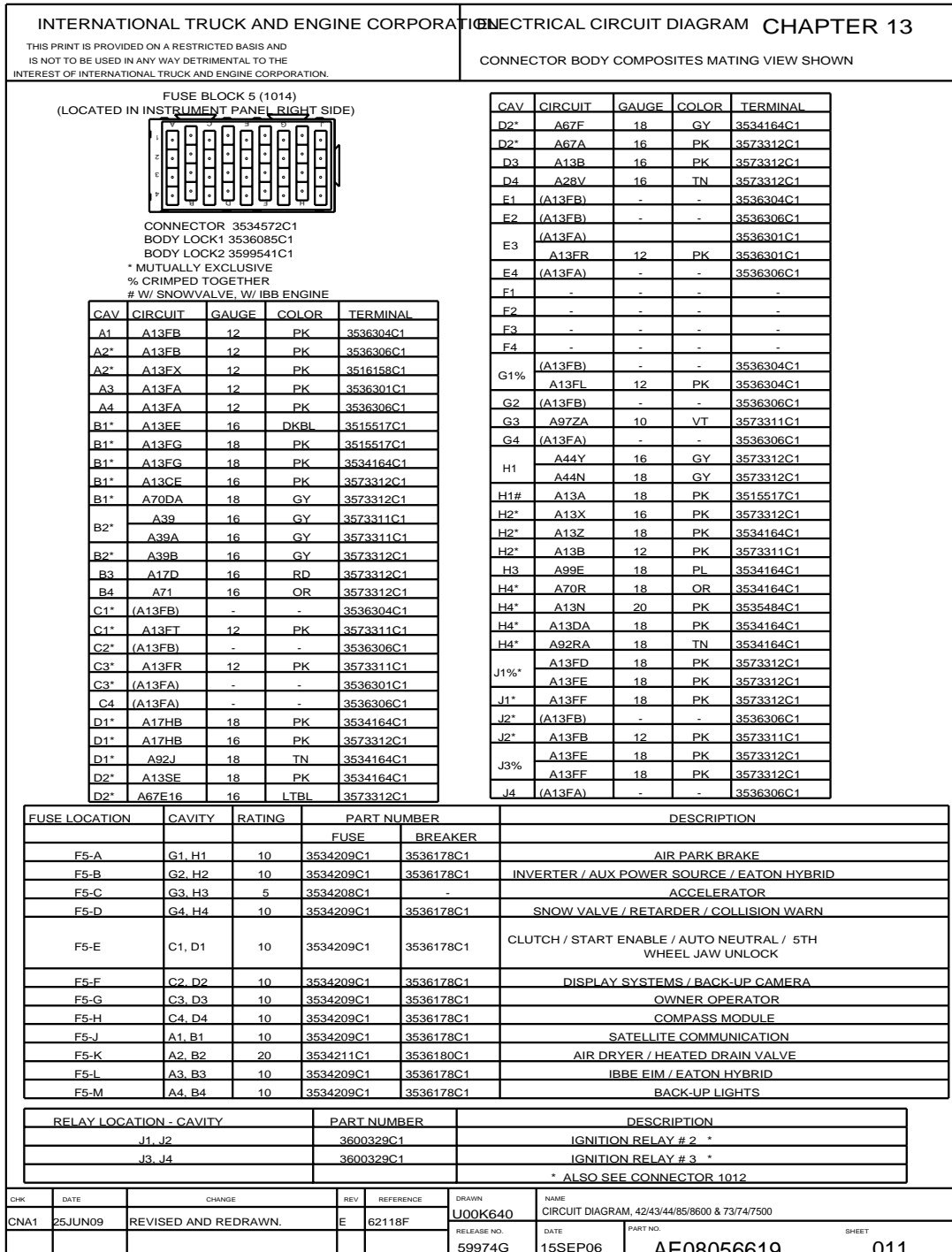
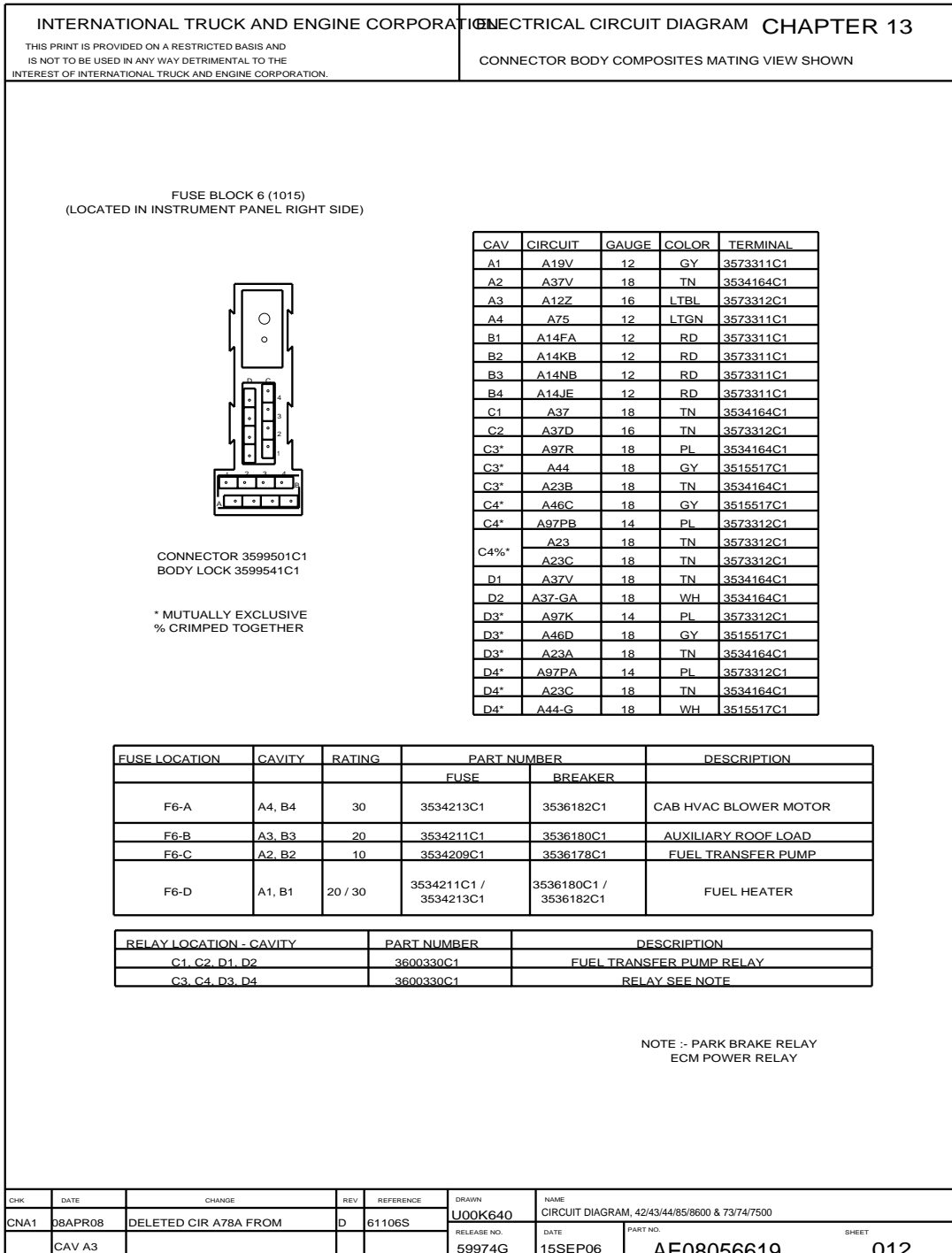


Figure 257 Connector Composite (1014)

13.12. CONNECTOR COMPOSITE (1015), P. 12



CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	08APR08	DELETED CIR A78A FROM	D	61106S	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	CAV A3				59974G	DATE: 15SEP06 PART NO: AE08056619 SHEET: 012

Figure 258 Connector Composite (1015)

13.13. CONNECTOR COMPOSITE (1016), P. 13

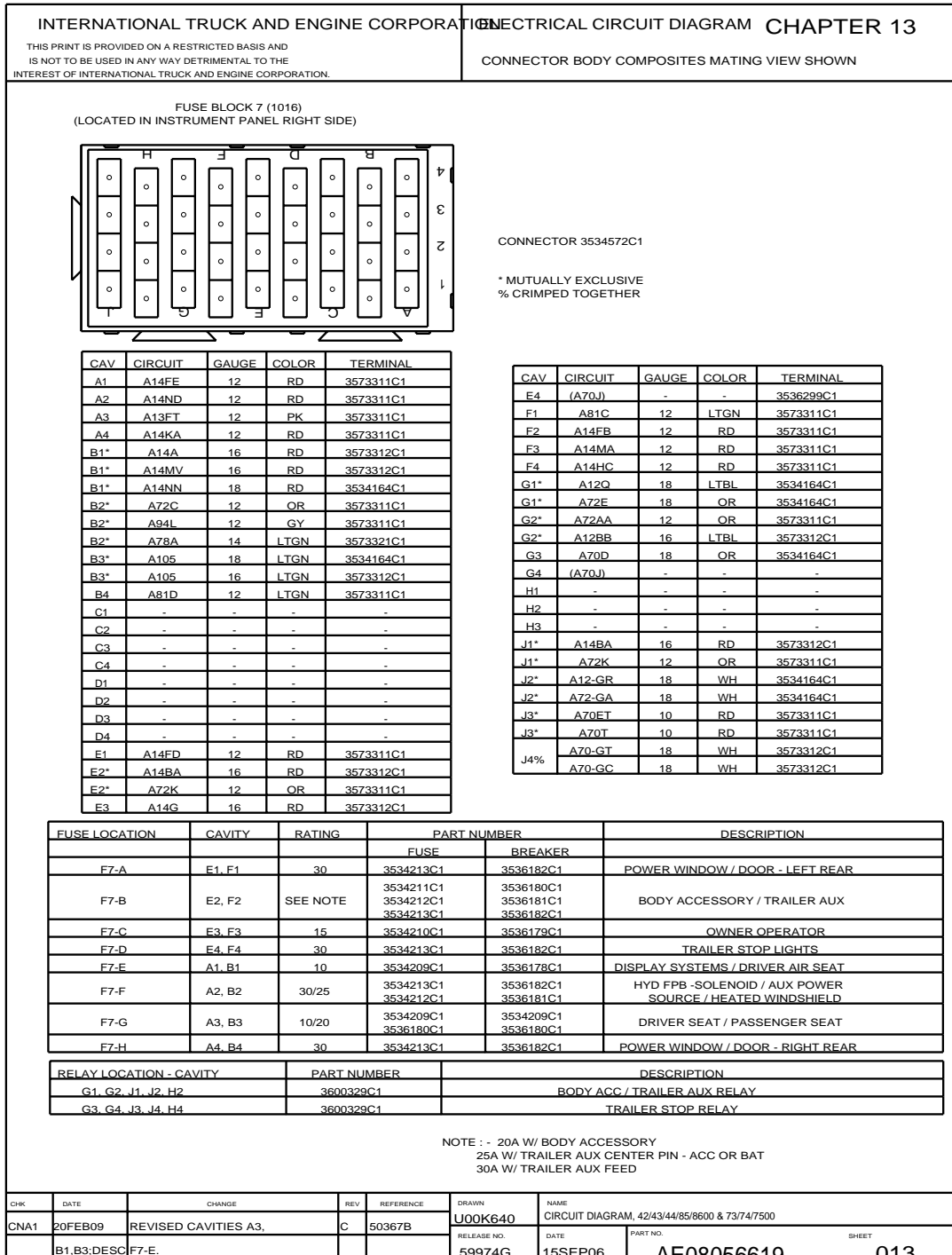


Figure 259 Connector Composite (1016)

13.14. CONNECTOR COMPOSITE (1017), P. 14

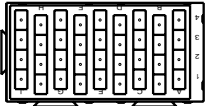
INTERNATIONAL TRUCK AND ENGINE CORPORATION ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13

THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.

CONNECTOR BODY COMPOSITES MATING VIEW SHOWN

FUSE BLOCK 8 (1017)  
(LOCATED IN INSTRUMENT PANEL RIGHT SIDE)

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
A1	A14NE	12	RD	3536301C1
A2	A14PE	10	RD	3573311C1
A3	A14KC	12	RD	3573311C1
A4	A14PD	10	RD	3573311C1
B1*	A97SZ	14	PL	3573312C1
B1*	A14F	12	RD	3573311C1
B2*	A92BT	18	TN	3534164C1
B2*	A14A	12	RD	3573311C1
B2*	A14H	16	PK	3573312C1
B3	A14NS	12	BK	3573311C1
B4*	A97D	10	PL	3573311C1
B4*	A14G	12	RD	3573311C1
C1	(A14NE)	-	-	3536301C1
C2	-	-	-	-
C3	-	-	-	-
C4	-	-	-	-
D1	-	-	-	-
D2	-	-	-	-
D3	-	-	-	-
D4	-	-	-	-
E1	(A14NE)	-	-	3536301C1
E2*	A94AY	14	GY	3573312C1
E2*	A94AY	12	RD	3573311C1
F3	A20	16	LTGN	3573312C1
E4*	A94UA	12	GY	3573311C1
E4*	A72J	12	OR	3573311C1
F1*	A92FB	16	TN	3573312C1
F1*	A17H	16	PK	3573312C1
F2	A14HE	12	RD	3573311C1
F3	A14MB	12	RD	3573311C1
F4	A14PC	12	RD	3573311C1
G1*	A92#145	18	TN	3534164C1
G1*	A92RD	16	TN	3573312C1
G1*	A17L	18	PK	3534164C1



CONNECTOR 3534572C1  
BODY LOCK 3536085C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
G1#	A11-GD	18	WH	3534164C1
G2#	A23DC	18	TN	3534164C1
G2*	A92JA	18	TN	3534164C1
G2*	A92#163	16	TN	3573312C1
G2*	A17B	18	G2#	3573312C1
G2*	A17J	16	G1#	3573312C1
G3%	A13FF	18	PK	3573312C1
G3%	A13FH	18	PK	3573312C1
G4*	A94T	10	GY	3573311C1
G4*	A72	12	OR	3573311C1
H1	A92FN	16	TN	3573312C1
H2	A17S	18	PK	3534164C1
H2#	A23B	18	TN	3534164C1
H3	-	-	-	-
H4	-	-	-	-
J1*	A92FB	16	TN	3573311C1
J1*	A92FBA	16	TN	3573311C1
J1*	A17HB	16	PK	3573312C1
J1*	A92BC	18	TN	3534164C1
J1#	A13A	18	PK	3534164C1
J2	A92J	18	TN	3573312C1
J2	A92JA	18	TN	3573312C1
J2*	A92FBA	16	TN	3573312C1
J2*	A17K	18	PK	3534164C1
J2#	A23H	18	TN	3534164C1
J3*	A94UA	12	GY	3573311C1
J3*	A72J	12	OR	3573311C1
J4*	A13-GFF	18	WH	3515517C1
J4*	A13-GFF	18	WH	3573312C1
J4#*	A13-GFK	18	WH	3573312C1

\* MUTUALLY EXCLUSIVE  
# W/ SNOWVALVE,  
W/ IBB ENGINE  
% CRIMPED TOGETHER

FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION
			FUSE	BREAKER	
F8-A	E1, F1	10	3534209C1	3536178C1	TRANSMISSION SHIFTER / EATON HYBRID
F8-B	E2, F2	30 / 15	3534213C1 / 3534210C1	3536182C1 / 3536179C1	BENDIX AIR ABS / WABCO AIR ABS
F8-C	E3, F3	10	3534209C1	3536178C1	REMOTE POWER UNIT
F8-D	E4, F4	30	3534213C1	3536182C1	TRAILER AIR ABS / ETB AUX
F8-E	A1, B1	20	3534210C1	3536179C1	INTERNATIONAL BIG BORE ENGINE / EATON HYBRID
F8-F	A2, B2	NOTE 2	3534209C1	3536178C1	TRANSMISSION CONTROL UNIT
F8-G	A3, B3	30	3534213C1	3536182C1	ELECTRIC TRAILER BRAKES
F8-H	A4, B4	NOTE 3	3534212C1	3536181C1	ENGINE CONTROL UNIT / EATON HYBRID HEAT EXCHANGER FAN RELAY

RELAY LOCATION - CAVITY	PART NUMBER	DESCRIPTION
G1, G2, J1, J2, H2	3519350C1	ICON ACCESSORY IDLE HEAT CONTROL, OPTIONAL RELAY SEE NOTE 1
G3, G4, J3, J4, H4	3519350C1	TRAILER ABS ECU RELAY

NOTE 1: AUTO NEUTRAL START ENABLE RELAY COLUMN SHIFTER  
NOTE 2: 10A - ALLISION TRANSMISSION  
30A - EATON AUTOSHIFT OR ULTRASHIFT TRANSMISSION  
NOTE 3: 25A - INTERNATIONAL BIG BORE (IBBE)  
OR EATON HYBRID HEAT EXCHANGER FAN

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	25JUN09	ADDED CIRC A13-GFF AT	F	62118F	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	CAV J4				59974G	15SEP06 AE08056619 014

Figure 260 Connector Composite (1017)



13.15. CONNECTOR COMPOSITE (1018), P. 15

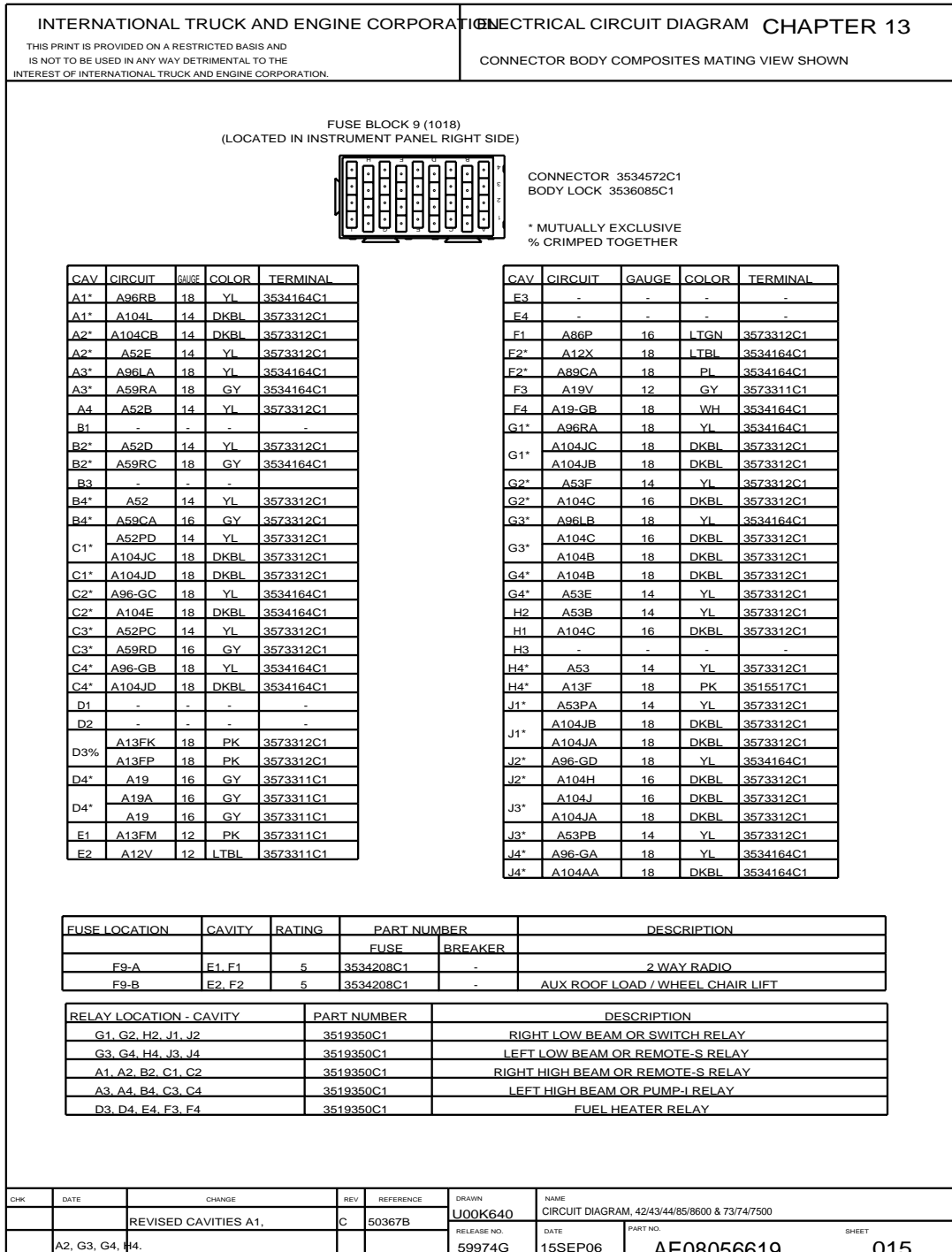


Figure 261 Connector Composite (1018)

13.16. CONNECTOR COMPOSITE (1019), P. 16

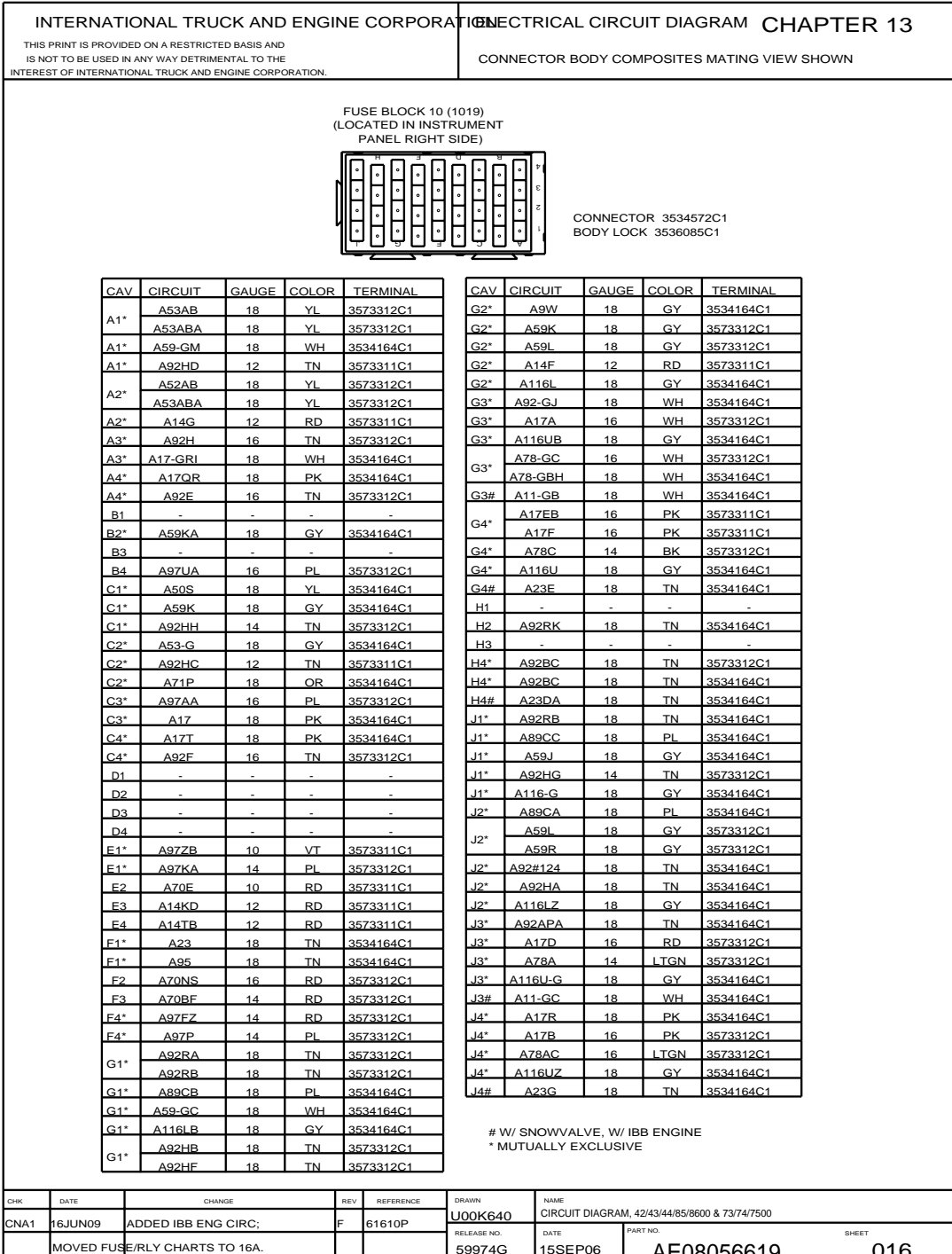


Figure 262 Connector Composite (1019)

13.17. CONNECTOR COMPOSITE (1019) (CONT.), P. 16A

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN (CONT)																																																
<table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th rowspan="2">FUSE LOCATION</th> <th rowspan="2">CAVITY</th> <th rowspan="2">RATING</th> <th colspan="2">PART NUMBER</th> <th rowspan="2">DESCRIPTION</th> </tr> <tr> <th>FUSE</th> <th>BREAKER</th> </tr> </thead> <tbody> <tr> <td>F10-A</td> <td>E1, F1</td> <td>5 / 10</td> <td>3534208C1 / 3534209C1</td> <td>3536178C1</td> <td>FAN SOLENOID / IBBE / HCI</td> </tr> <tr> <td>F10-B</td> <td>E2, F2</td> <td>15</td> <td>3534210C1</td> <td>3536179C1</td> <td>ELECTRIC TRAILER BRAKES</td> </tr> <tr> <td>F10-C</td> <td>E3, F3</td> <td>20</td> <td>3534211C1</td> <td>3536180C1</td> <td>BODY STOP</td> </tr> <tr> <td>F10-D</td> <td>E4, F4</td> <td>20</td> <td>3534211C1</td> <td>3536180C1</td> <td>ENGINE CONTROL UNIT ( CAT, IBBE )</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th>RELAY LOCATION -CAVITY</th> <th>PART NUMBER</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>A1, A2, B2, C1, C2</td> <td>3519350C1</td> <td>OPTIONAL RELAY SEE NOTE</td> </tr> <tr> <td>A3, A4, B4, C3, C4</td> <td>3519350C1</td> <td>CRANK-I OR IGN INTERRUPT RELAY</td> </tr> <tr> <td>G1, G2, J1, J2, H2</td> <td>3519350C1</td> <td>RETARDER / WHEEL CHAIR LIFT / LIFT AXLE / 5TH WHEEL LOCK RELAY</td> </tr> <tr> <td>G3, G4, J3, J4, H4</td> <td>3519350C1</td> <td>AUTO NEUTRAL LIGHT RELAY / WINDSHIELD / CRANK / 5TH WHEEL UNLOCK RELAY / CUSTOMER ACCESSORY # 2</td> </tr> </tbody> </table> <p style="text-align: center; font-size: small; margin-top: 20px;">NOTE :- TRIP HEADLIGHT INPUT RELAY, LIFT AXLE REVERSE RELAY              CUSTOMER ACCESSORY # 2 - W/ SNOWVALVE, W/ IBB ENGINE</p>						FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION	FUSE	BREAKER	F10-A	E1, F1	5 / 10	3534208C1 / 3534209C1	3536178C1	FAN SOLENOID / IBBE / HCI	F10-B	E2, F2	15	3534210C1	3536179C1	ELECTRIC TRAILER BRAKES	F10-C	E3, F3	20	3534211C1	3536180C1	BODY STOP	F10-D	E4, F4	20	3534211C1	3536180C1	ENGINE CONTROL UNIT ( CAT, IBBE )	RELAY LOCATION -CAVITY	PART NUMBER	DESCRIPTION	A1, A2, B2, C1, C2	3519350C1	OPTIONAL RELAY SEE NOTE	A3, A4, B4, C3, C4	3519350C1	CRANK-I OR IGN INTERRUPT RELAY	G1, G2, J1, J2, H2	3519350C1	RETARDER / WHEEL CHAIR LIFT / LIFT AXLE / 5TH WHEEL LOCK RELAY	G3, G4, J3, J4, H4	3519350C1	AUTO NEUTRAL LIGHT RELAY / WINDSHIELD / CRANK / 5TH WHEEL UNLOCK RELAY / CUSTOMER ACCESSORY # 2
FUSE LOCATION	CAVITY	RATING	PART NUMBER		DESCRIPTION																																															
			FUSE	BREAKER																																																
F10-A	E1, F1	5 / 10	3534208C1 / 3534209C1	3536178C1	FAN SOLENOID / IBBE / HCI																																															
F10-B	E2, F2	15	3534210C1	3536179C1	ELECTRIC TRAILER BRAKES																																															
F10-C	E3, F3	20	3534211C1	3536180C1	BODY STOP																																															
F10-D	E4, F4	20	3534211C1	3536180C1	ENGINE CONTROL UNIT ( CAT, IBBE )																																															
RELAY LOCATION -CAVITY	PART NUMBER	DESCRIPTION																																																		
A1, A2, B2, C1, C2	3519350C1	OPTIONAL RELAY SEE NOTE																																																		
A3, A4, B4, C3, C4	3519350C1	CRANK-I OR IGN INTERRUPT RELAY																																																		
G1, G2, J1, J2, H2	3519350C1	RETARDER / WHEEL CHAIR LIFT / LIFT AXLE / 5TH WHEEL LOCK RELAY																																																		
G3, G4, J3, J4, H4	3519350C1	AUTO NEUTRAL LIGHT RELAY / WINDSHIELD / CRANK / 5TH WHEEL UNLOCK RELAY / CUSTOMER ACCESSORY # 2																																																		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																														
CNA1	16JUN09	INITIAL RELEASE.	A	61610P	300659	CIRCUIT DIAGRAM,42/43/44/85/8600 & 7374/7500																																														
					RELEASE NO.	DATE																																														
					61610P	16APR09																																														
						PART NO.																																														
						AE08056619																																														
						SHEET																																														
						16A																																														

Figure 263 Connector Composite (1019) (Cont.)

13.18. CONNECTOR COMPOSITES (1020), P. 17

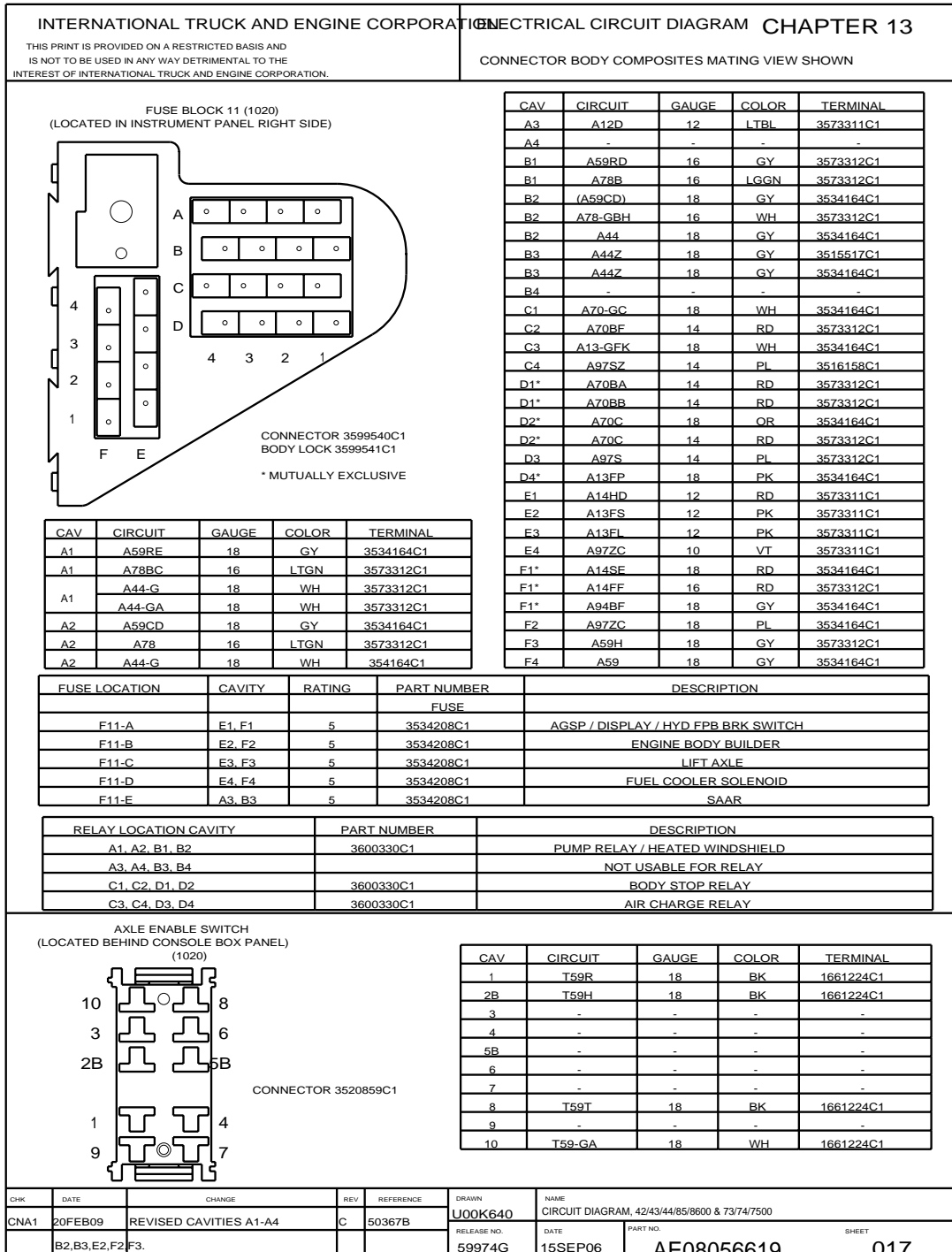


Figure 264 Connector Composites (1020)

13.19. CONNECTOR COMPOSITES (1021), (1022), (1023A), (1023B), P. 18

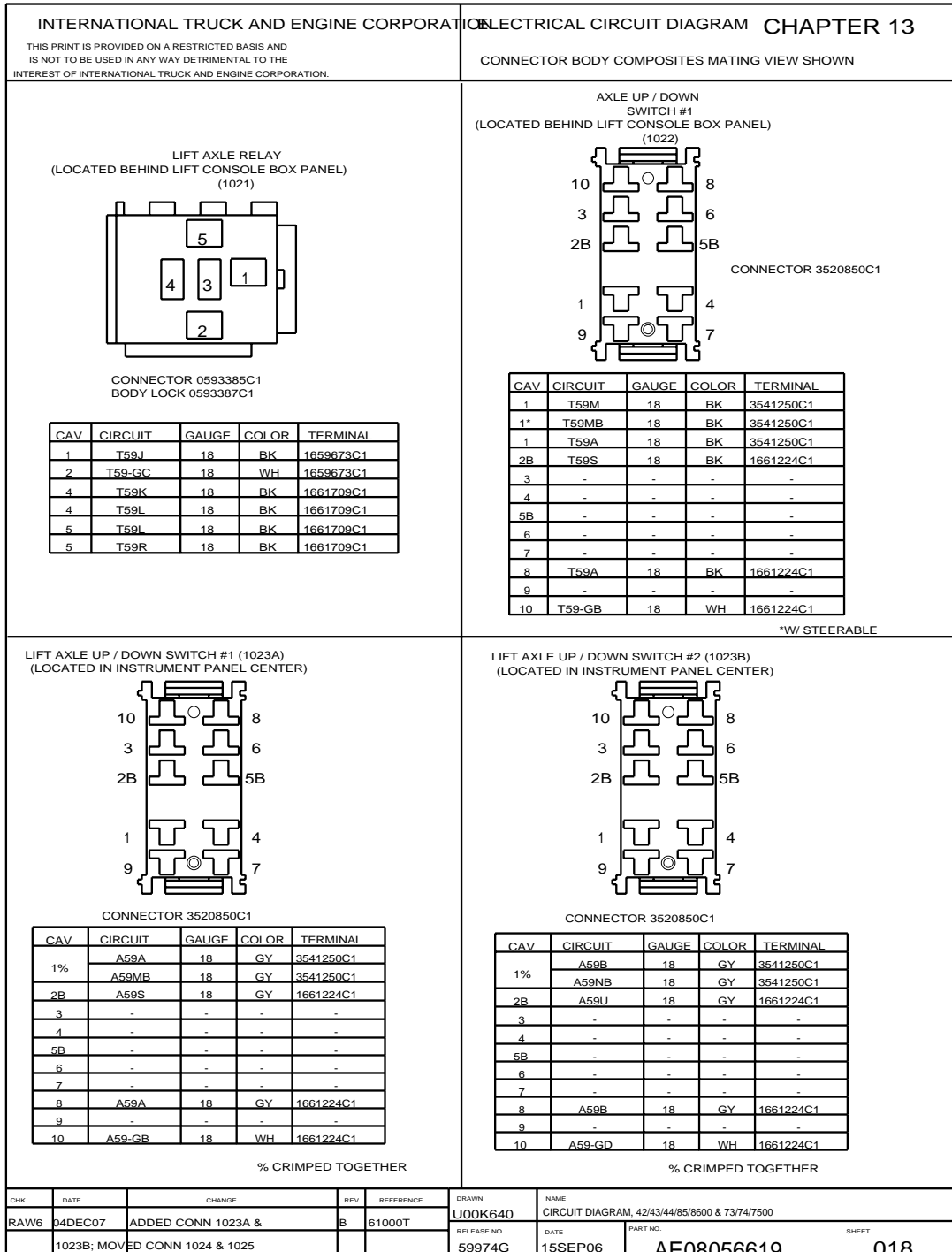


Figure 265 Connector Composites (1021), (1022), (1023A), (1023B)

13.20. CONNECTOR COMPOSITES (1023C), (1023D), (1024), (1025), P. 18A

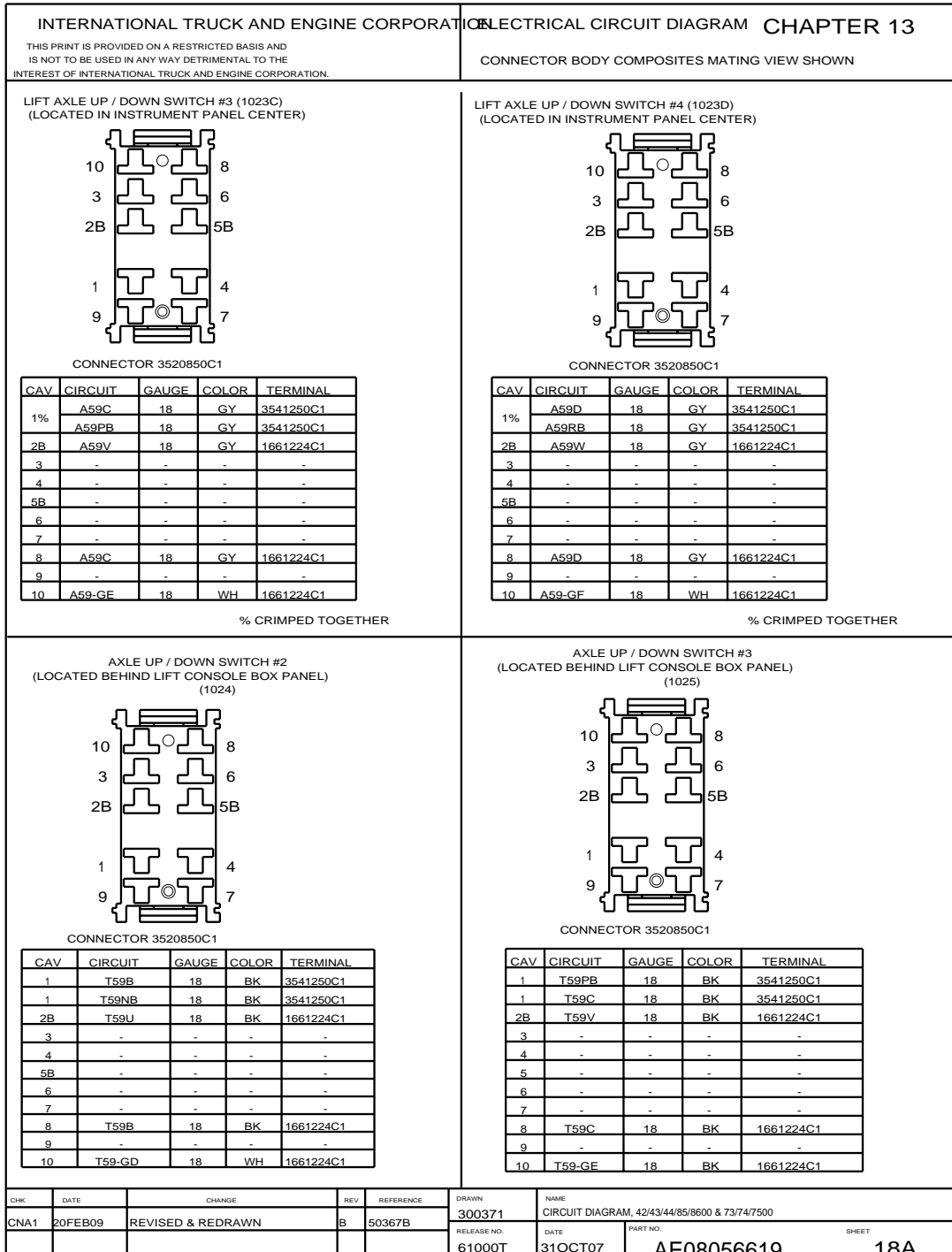


Figure 266 Connector Composites (1023C), (1023D), (1024), (1025)

13.21. CONNECTOR COMPOSITES (1025), (1026), (1029), (1069), P. 19

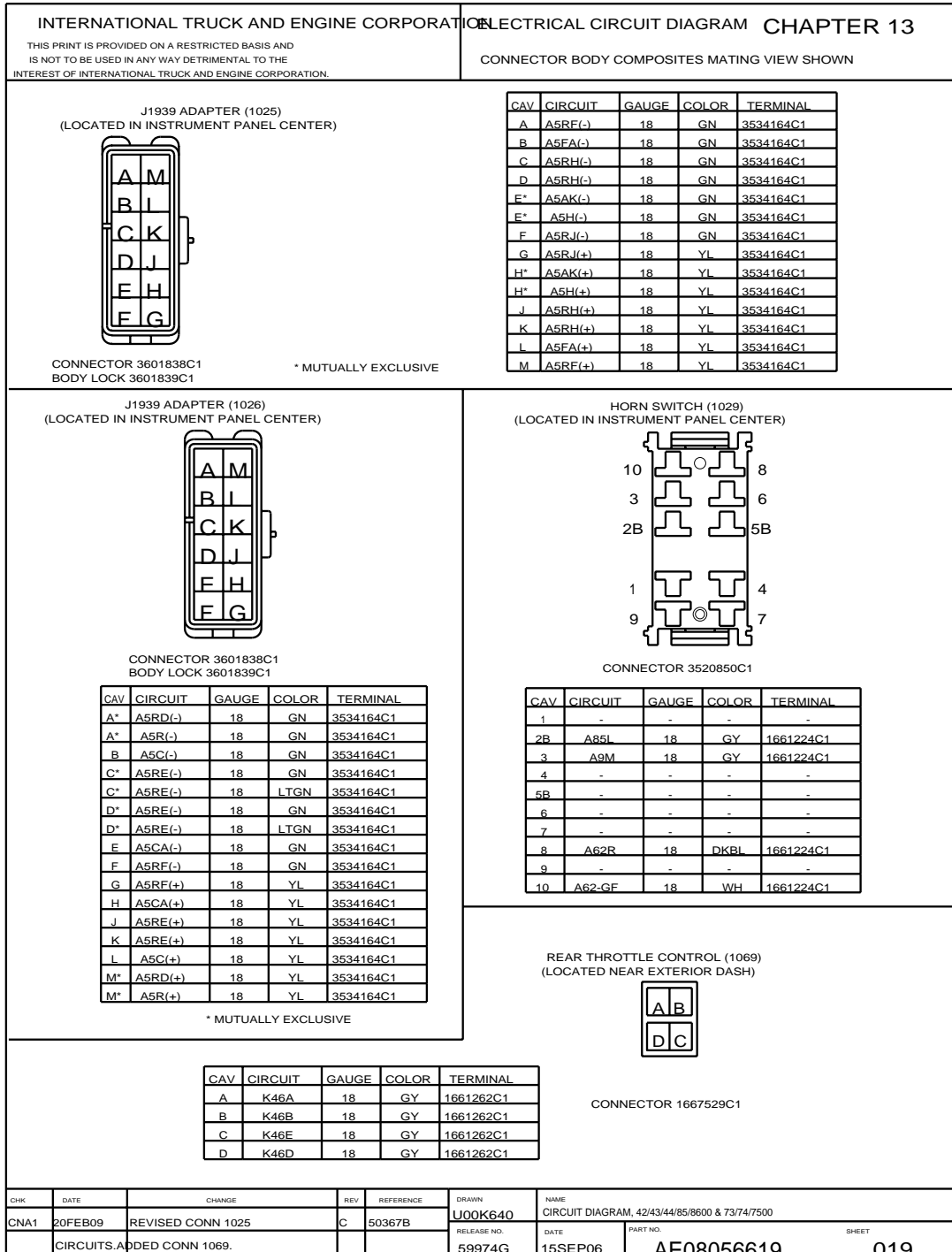


Figure 267 Connector Composites (1025), (1026), (1029), (1069)

13.22. CONNECTOR COMPOSITES (1100), (1100MA), (1101), (1101A), P. 20

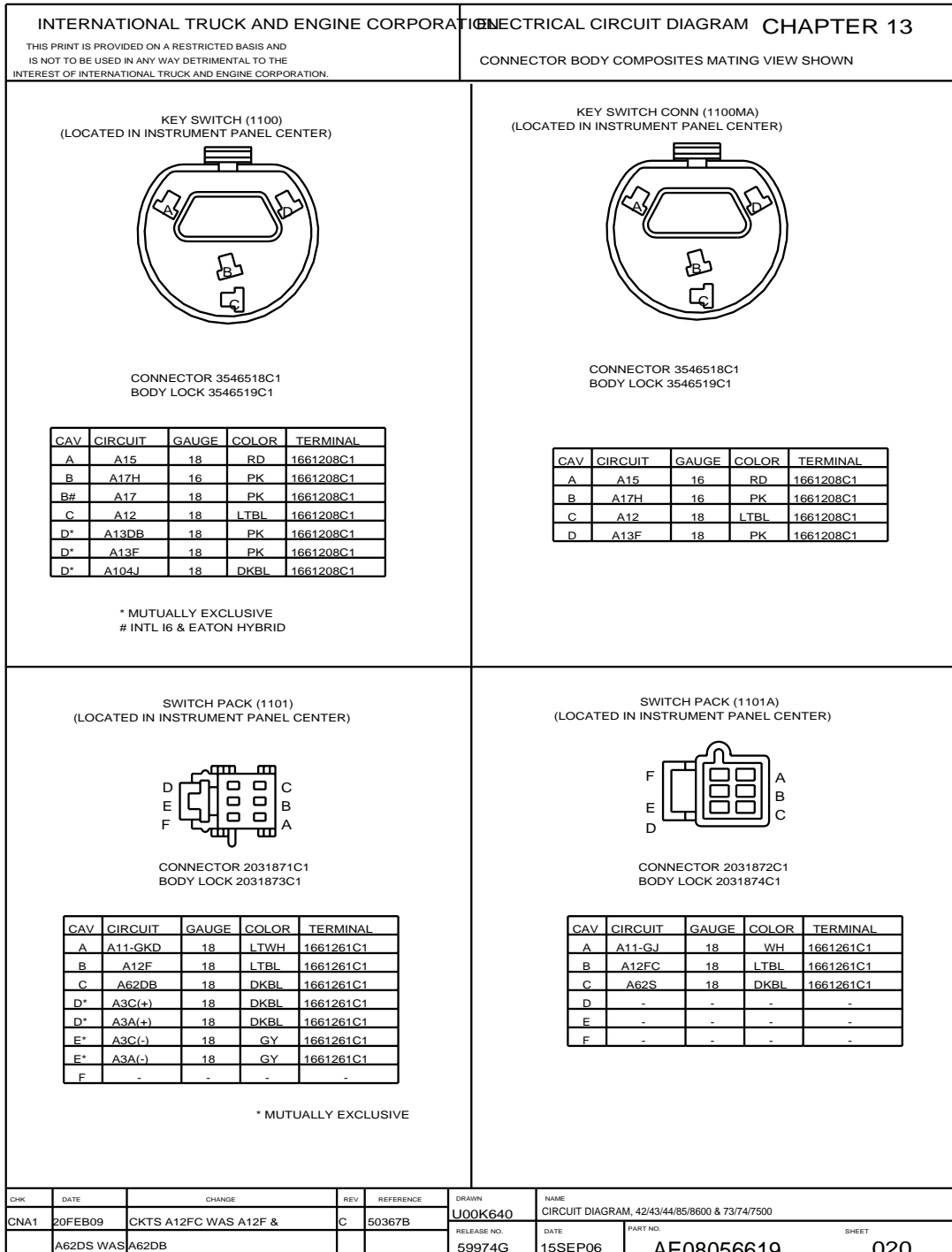


Figure 268 Connector Composites (1100), (1100MA), (1101), (1101A)



13.23. CONNECTOR COMPOSITES (1105), (1106), (1107), (1108), P. 21

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13					
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN					
ROCKER START SWITCH (1105) (LOCATED IN INSTRUMENT PANEL CENTER)				IP MOUNTED ROOF AUX LOAD SWITCH (1106) (LOCATED IN INSTRUMENT PANEL CENTER)					
CONNECTOR 3520850C1				CONNECTOR 3520850C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	-	-	-	-	1	-	-	-	-
2B	A13FJ	18	PK	1661224C1	2B	A12X	18	LTBL	1661224C1
3#	A17BA	16	PK	1661224C1	3	A12Y	18	LTBL	3541250C1
3*	A17H	16	PK	1661224C1	3	A12V	18	LTBL	-
4	-	-	-	-	4	-	-	-	-
5B	-	-	-	-	5B	-	-	-	-
6	-	-	-	-	6	-	-	-	-
7	-	-	-	-	7	A12V	18	LTBL	1661224C1
8	A62T	18	DKBL	1661224C1	8	A62U	18	DKBL	1661224C1
9	-	-	-	-	9	A12-GA	16	WH	1661224C1
10	A62-GT	18	WH	1661224C1	10	-	-	-	-
SNOWVALVE SWITCH (1107) (LOCATED IN INSTRUMENT PANEL CENTER)				AXLE ENABLE SWITCH (1108) (LOCATED IN INSTRUMENT PANEL CENTER)					
CONNECTOR 3520850C1				CONNECTOR 3520850C1					
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	A23M	18	TN	1661224C1	1	A59R	18	GY	1661224C1
1#	A9B	18	GY	1661224C1	2B	A59H	18	GY	1661224C1
2B	A13DA	18	PK	1661224C1	3	-	-	-	-
2B#	A9A	18	GY	1661224C1	4	-	-	-	-
3	A23J	18	TN	1661224C1	5B	-	-	-	-
4	A23L	18	TN	1661224C1	6	-	-	-	-
5B	A23-GA	18	WH	1661224C1	7	-	-	-	-
6	A23K	18	TN	1661224C1	7	-	-	-	-
7	A23H	18	TN	1661224C1	8	A59T	18	GY	1661224C1
7#	A23A	18	TN	1661224C1	9	-	-	-	-
8	A62A	18	LTBL	1661224C1	10	A59-GA	18	WH	1661224C1
8#	A62A	18	DKBL	1661224C1					
9	-	-	-	-					
10#	A11-GA	18	WH	1661224C1					
# W/ SNOWVALVE, W/ IBB ENGINE									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME			
CNA1	16JUN09	ADDED IBB ENGINE	C	61610P	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500			
					RELEASE NO.	DATE	PART NO.	SHEET	
					59974G	15SEP06	AE08056619	021	

Figure 269 Connector Composites (1105), (1106), (1107), (1108)

13.24. CONNECTOR COMPOSITES (1109), (1110), (1200), P. 22

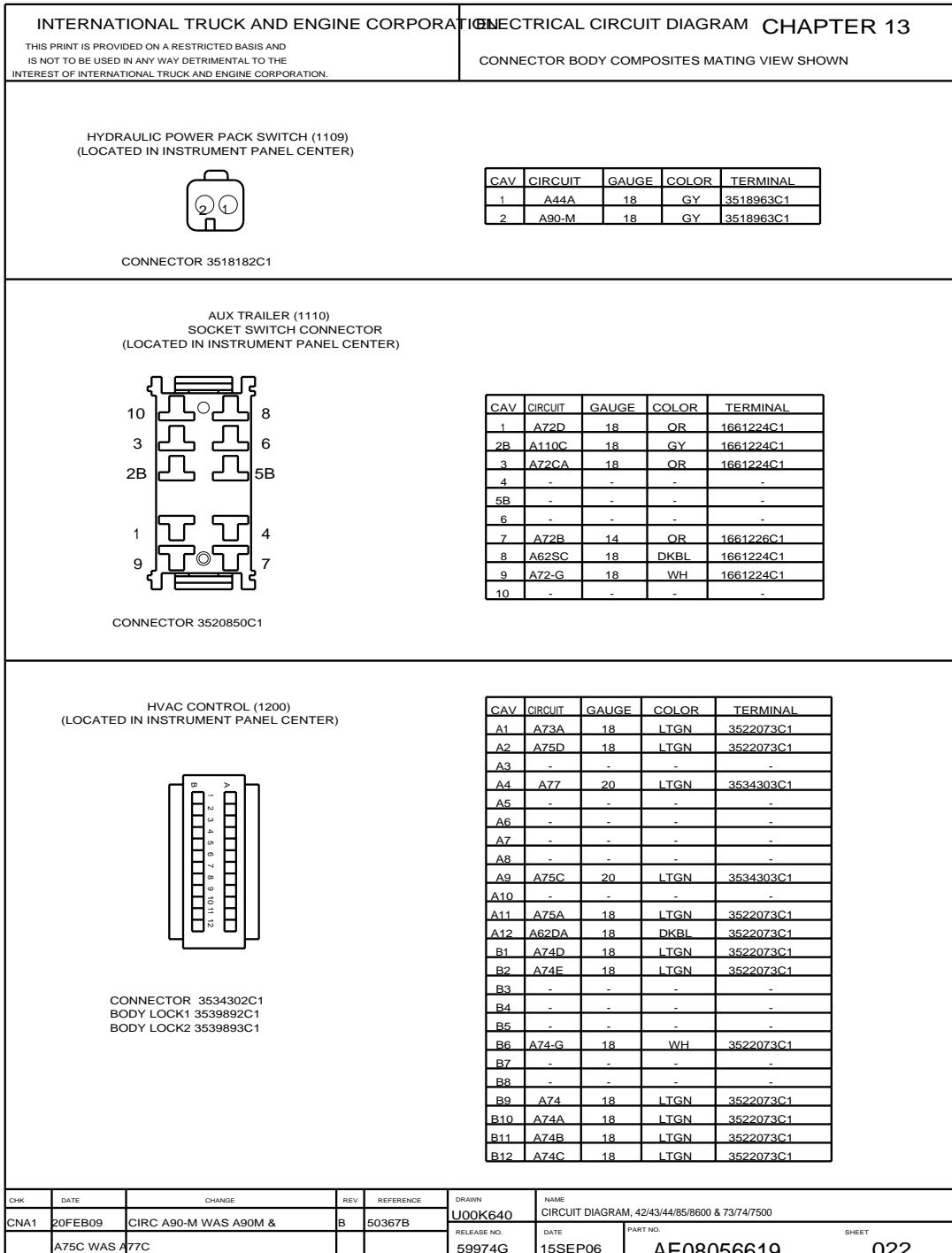


Figure 270 Connector Composites (1109), (1110), (1200)

13.25. CONNECTOR COMPOSITES (1210), (1227), (1227M), (1228), P. 23

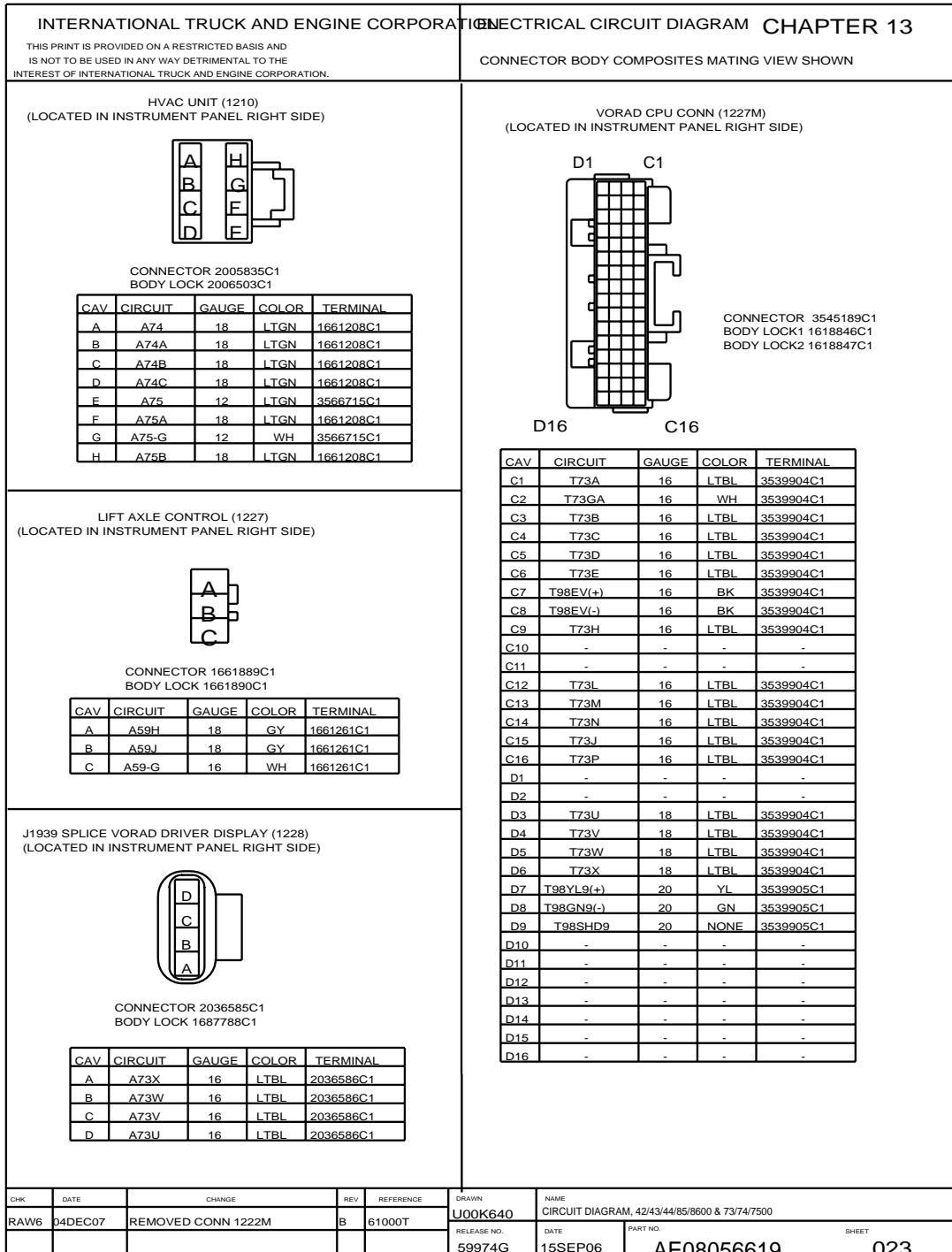


Figure 271 Connector Composites (1210), (1227), (1227M), (1228)

13.26. CONNECTOR COMPOSITES (1229), (1230F), (1231), (1240F), P. 24

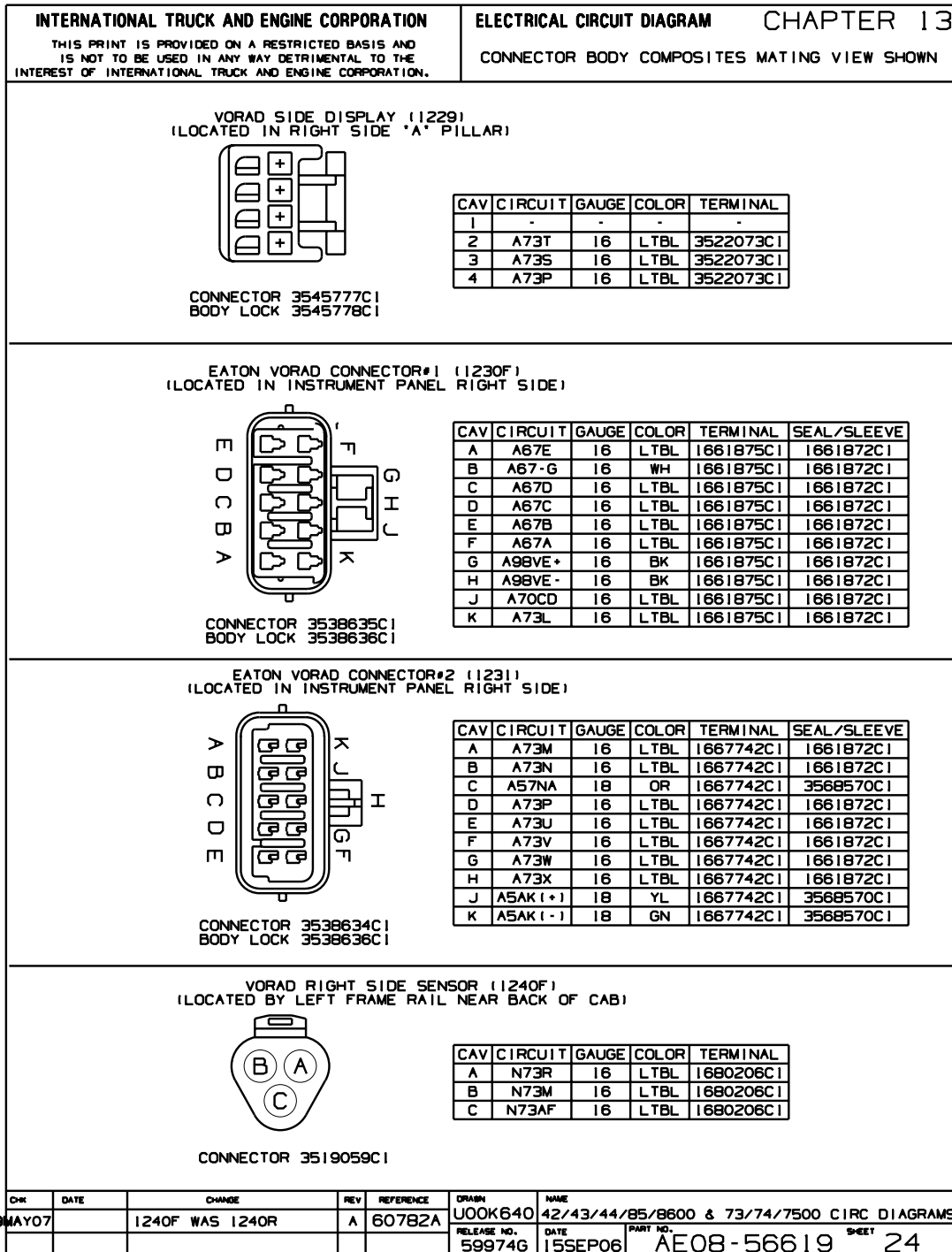


Figure 272 Connector Composites (1229), (1230F), (1231), (1240F)

13.27. CONNECTOR COMPOSITES (1242), (1243), (1300), (1301), (1338), P. 25

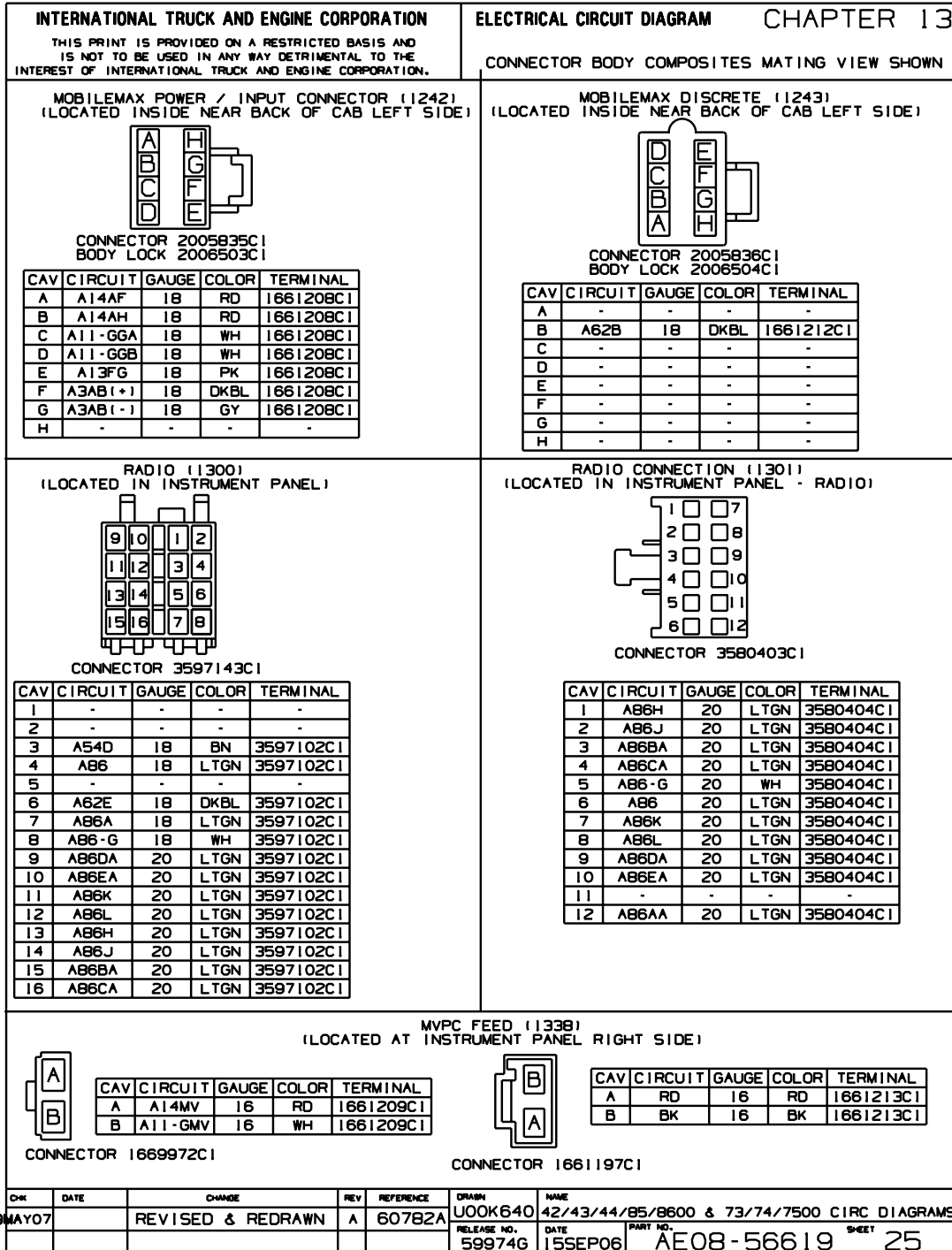


Figure 273 Connector Composites (1242), (1243), (1300), (1301), (1338)

13.28. CONNECTOR COMPOSITES (1378), (1400), (1401), (1402), P. 26

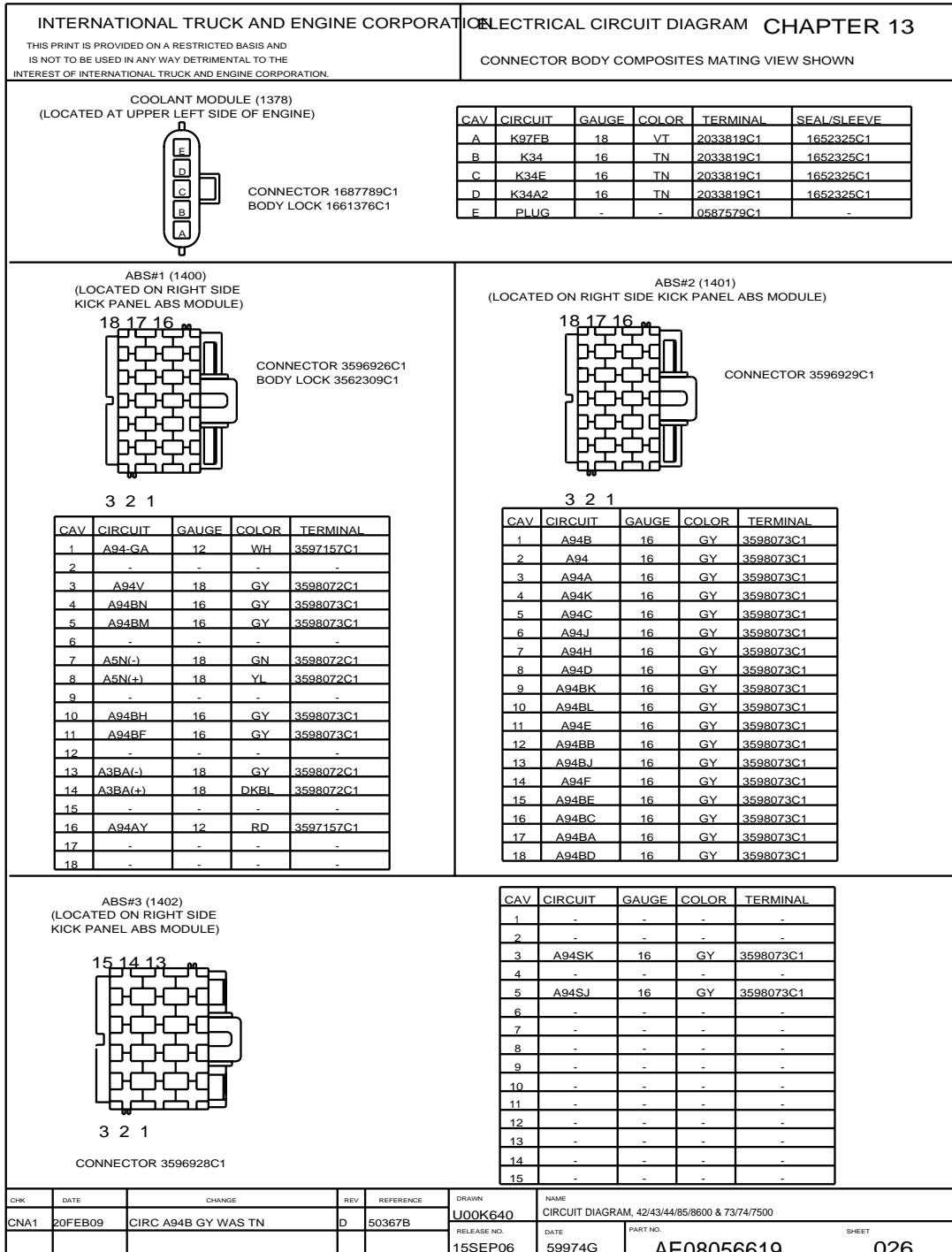


Figure 274 Connector Composites (1378), (1400), (1401), (1402)

13.29. CONNECTOR COMPOSITES (1403), (1410), P. 26A

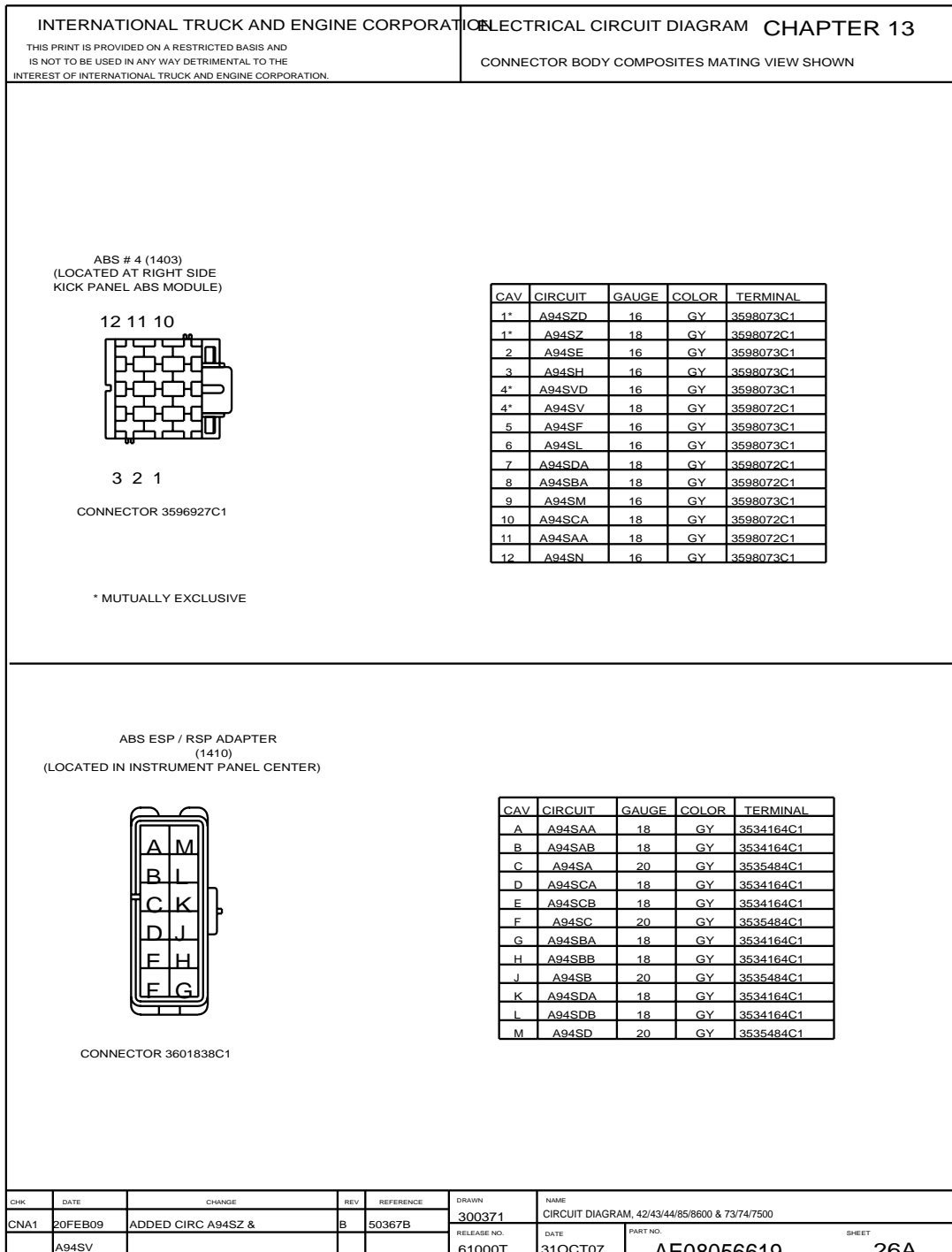


Figure 275 Connector Composites (1403), (1410)

13.30. CONNECTOR COMPOSITES (1420), (1421), (1500), P. 27

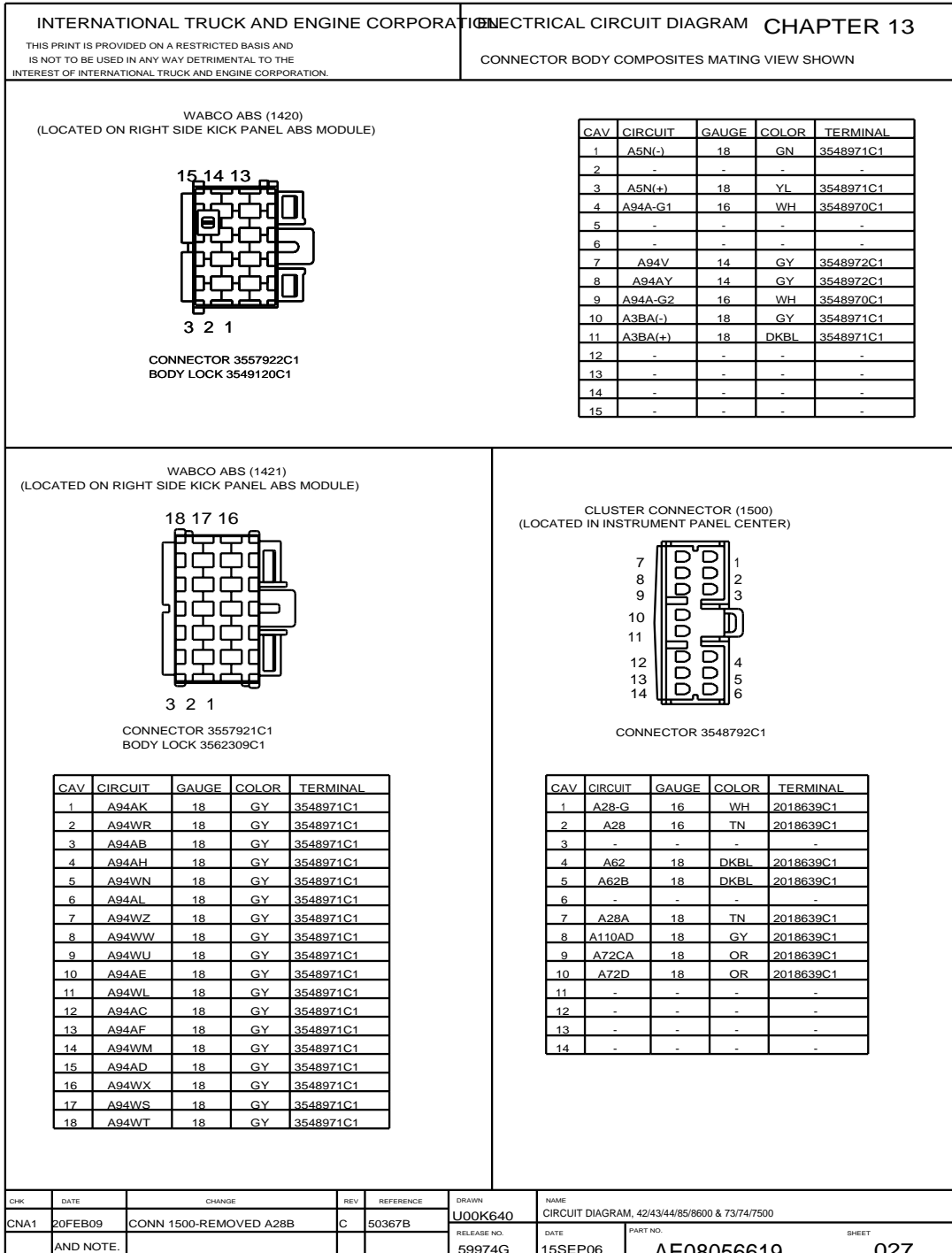


Figure 276 Connector Composites (1420), (1421), (1500)



13.31. CONNECTOR COMPOSITES (1501), (1510), (1511), (1512), P. 28

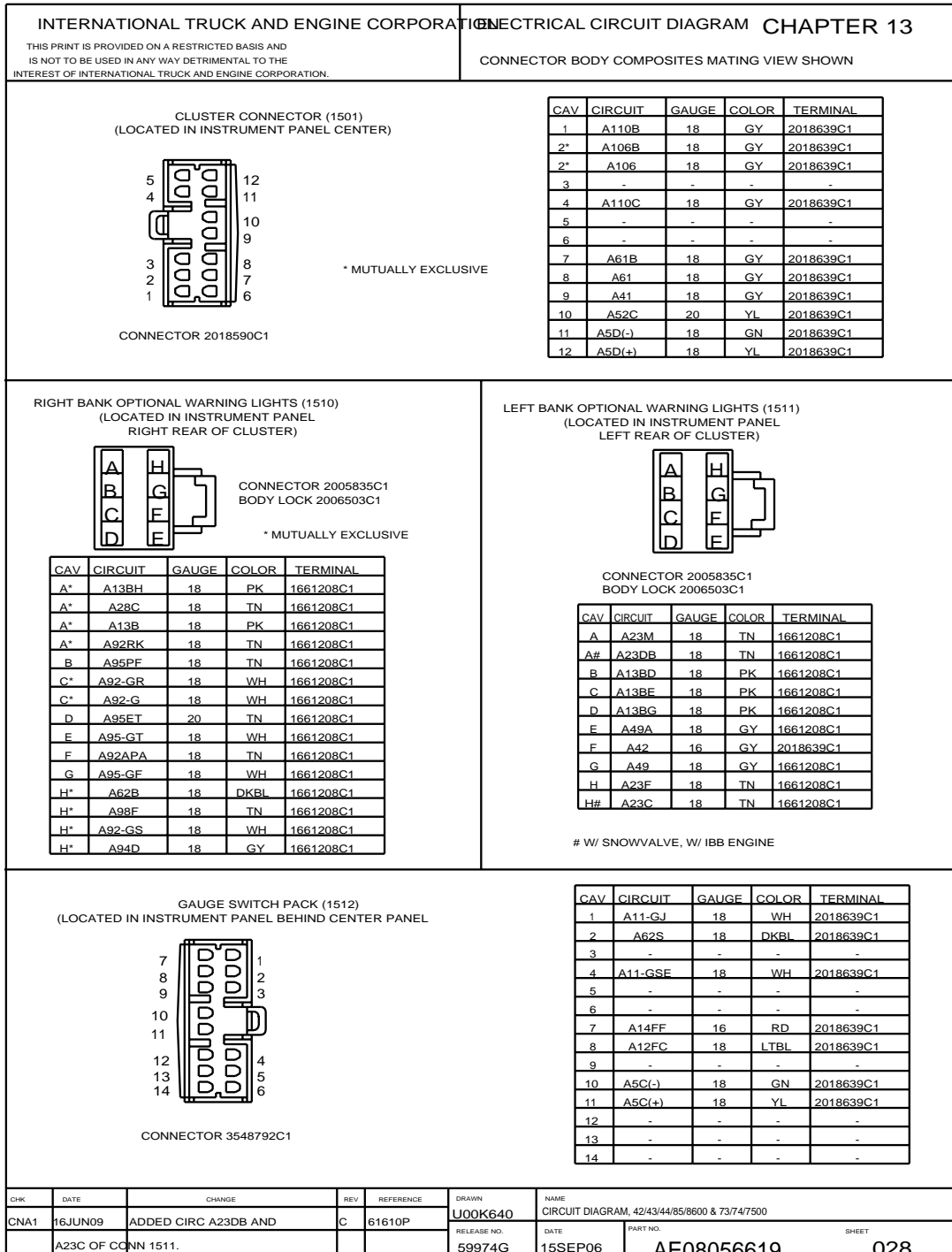


Figure 277 Connector Composites (1501), (1510), (1511), (1512)

13.32. CONNECTOR COMPOSITES (1556), (1557), (1558), (1600), P. 29

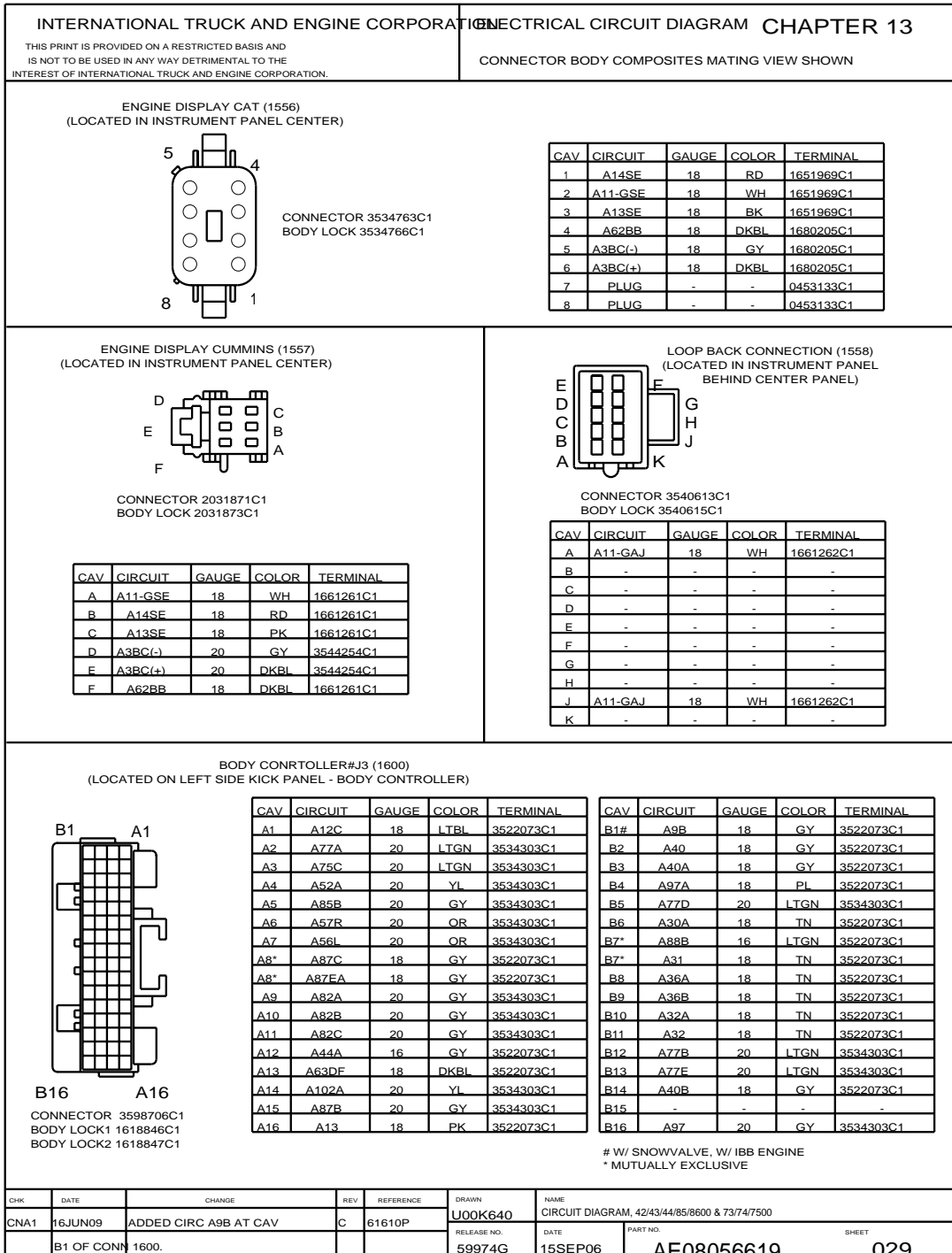


Figure 278 Connector Composites (1556), (1557), (1558), (1600)

13.33. CONNECTOR COMPOSITE (1601), P. 30

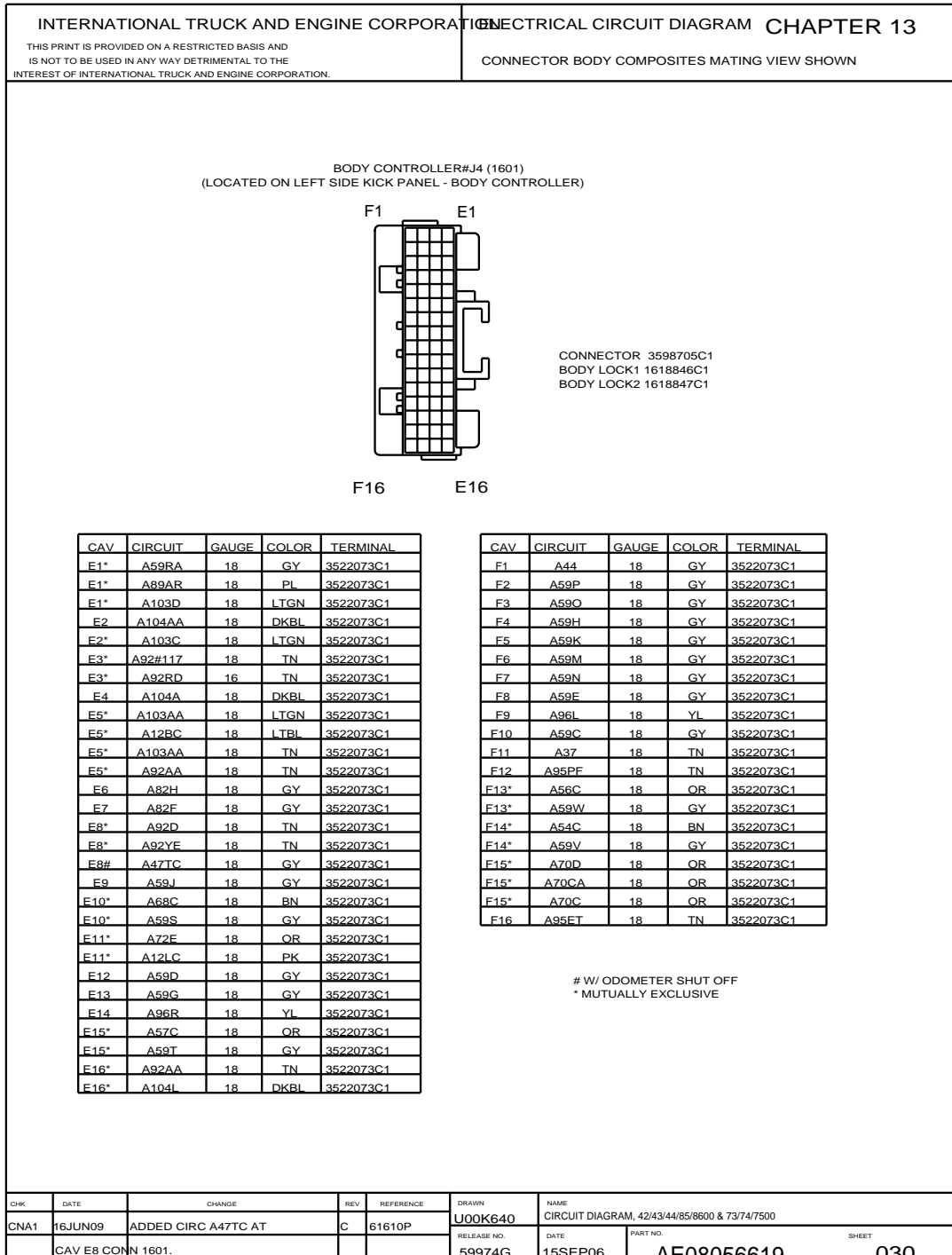


Figure 279 Connector Composite (1601)

13.34. CONNECTOR COMPOSITE (1602), P. 31

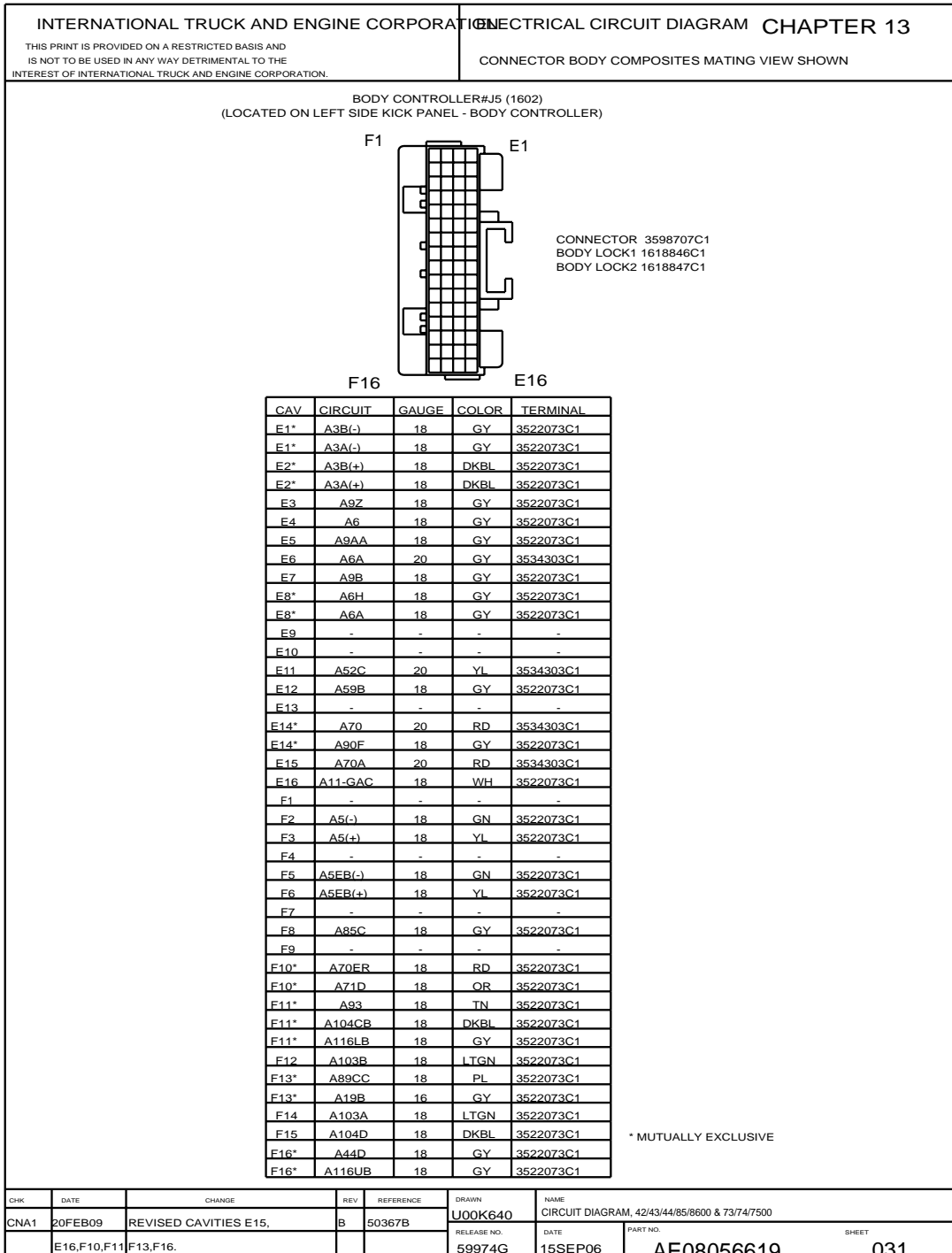


Figure 280 Connector Composite (1602)

13.35. CONNECTOR COMPOSITES (1603), (1604), (1620), (1623), P. 32

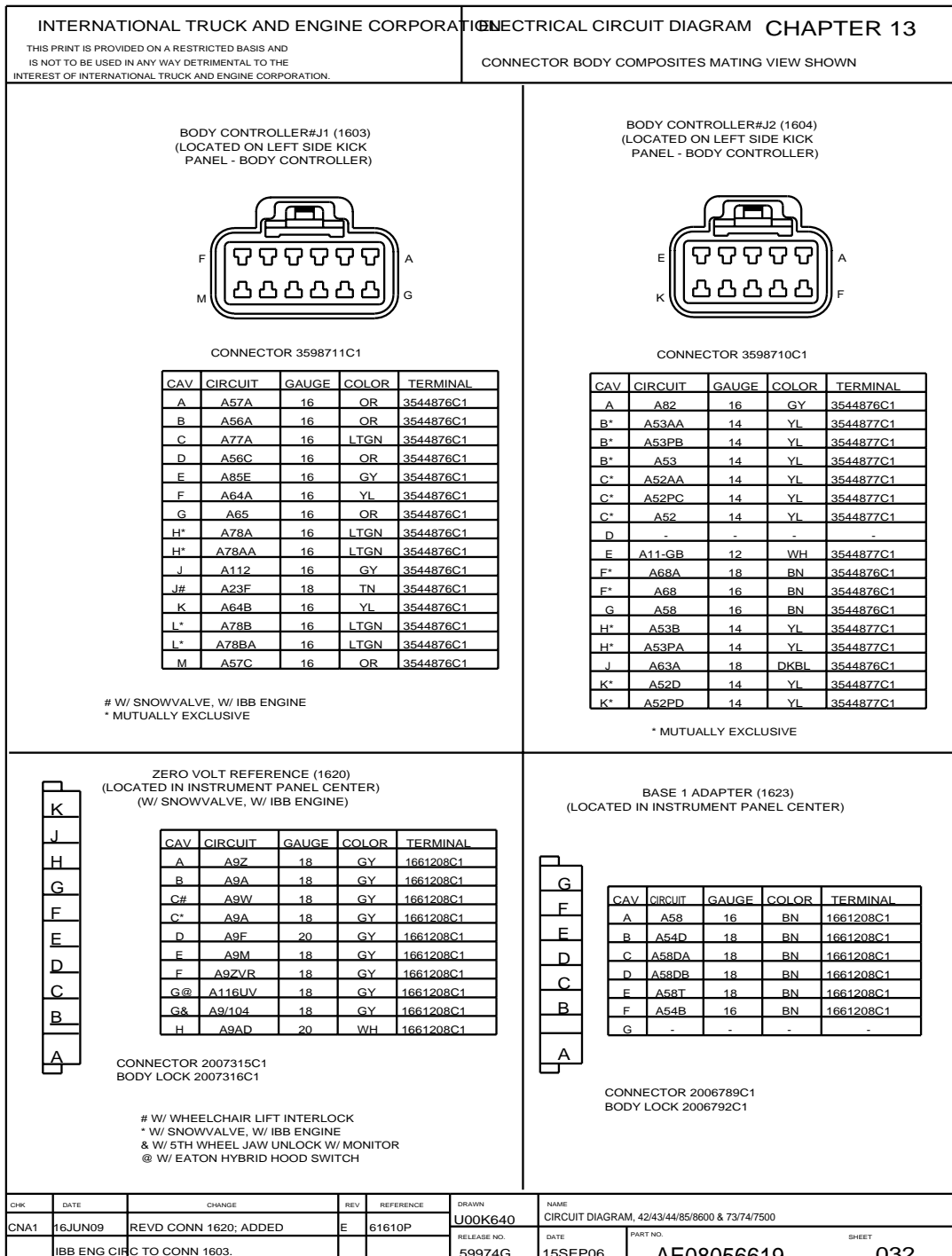


Figure 281 Connector Composites (1603), (1604), (1620), (1623)

13.36. CONNECTOR COMPOSITES (1625), (1626), (1650), (1657), P. 33

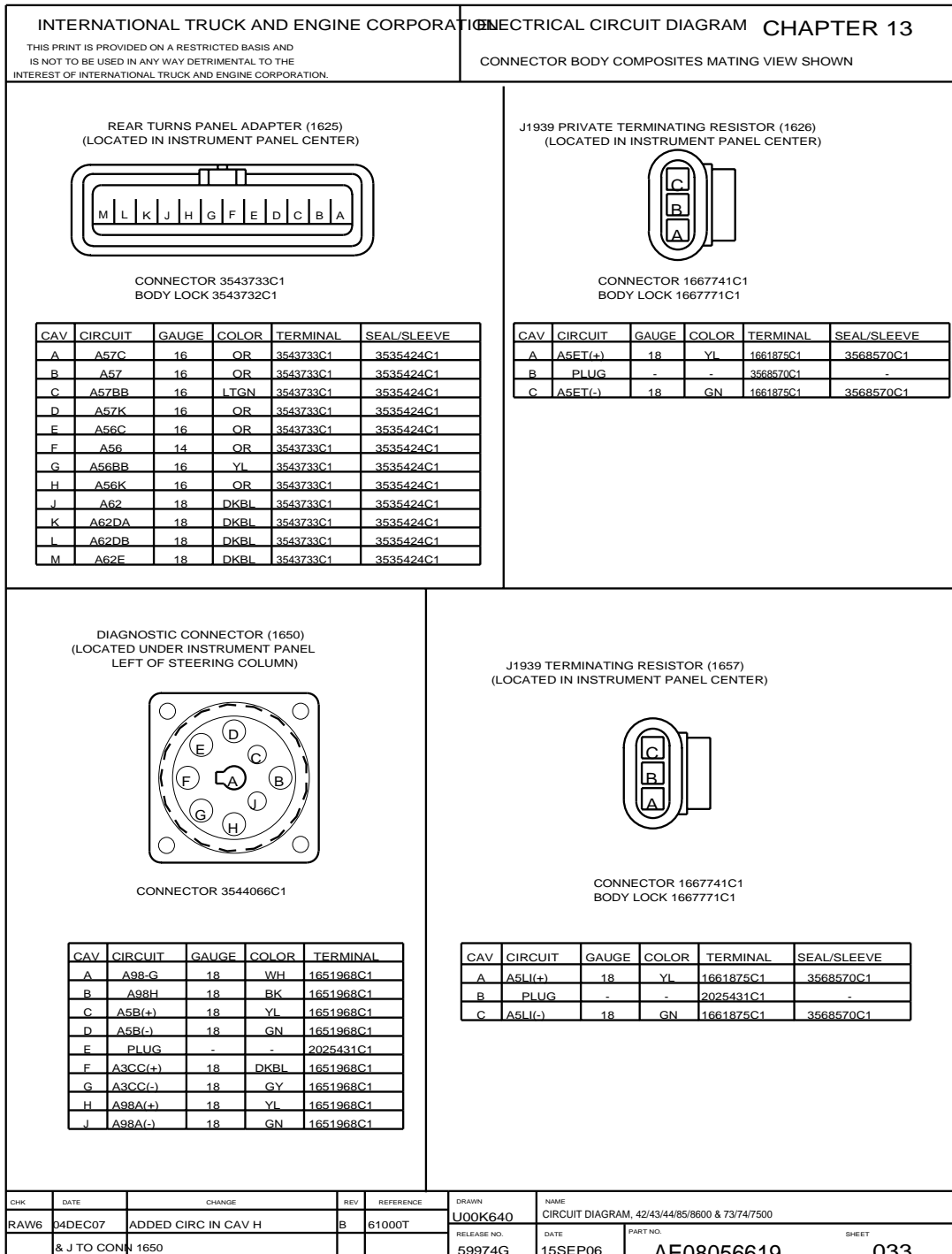


Figure 282 Connector Composites (1625), (1626), (1650), (1657)

13.37. CONNECTOR COMPOSITES (1660), (1661), P. 34

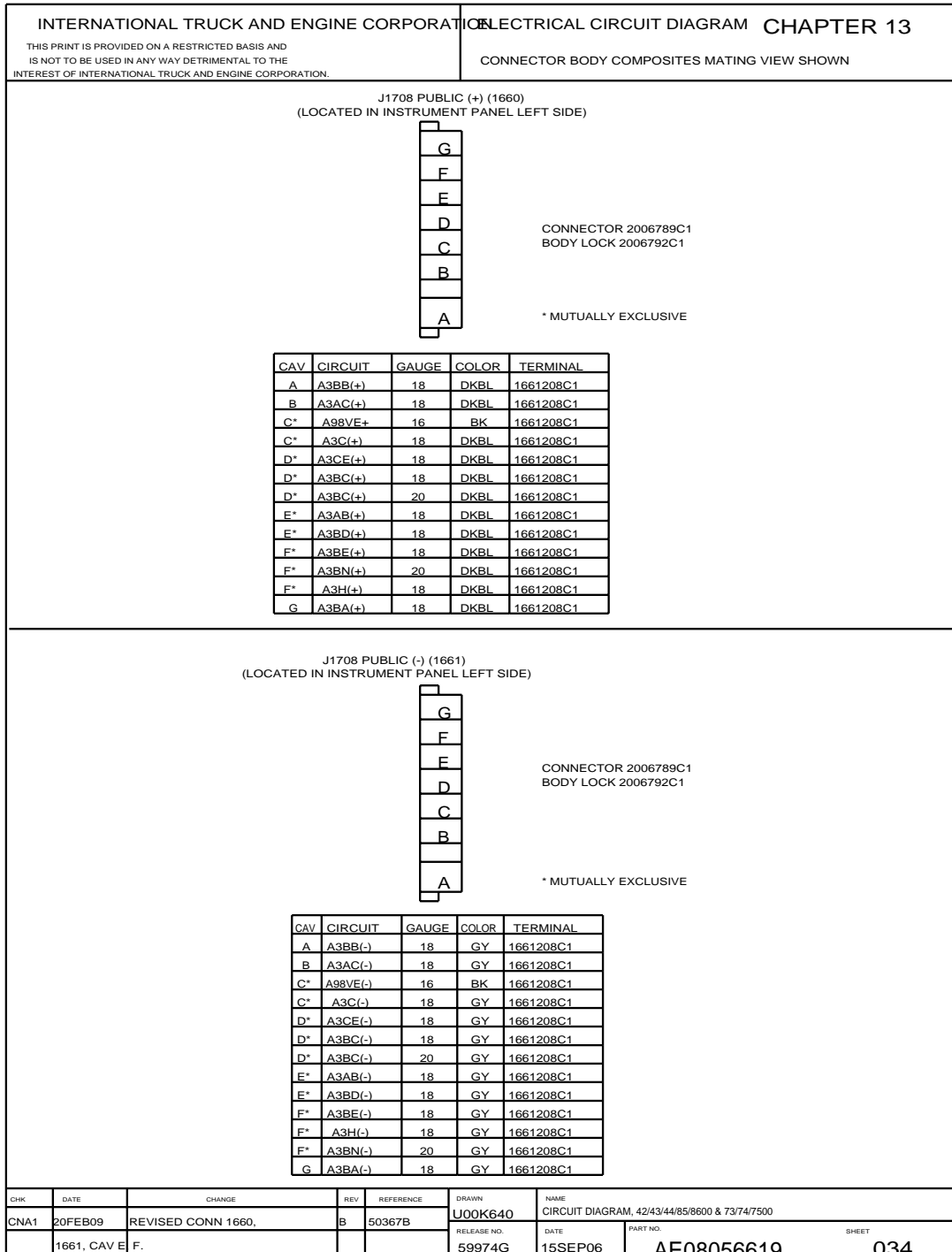


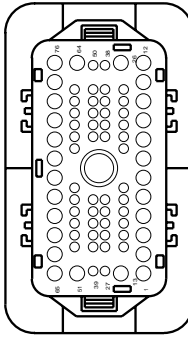
Figure 283 Connector Composites (1660), (1661)

13.38. CONNECTOR COMPOSITE (1700), P. 35

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN				

FORWARD CHASSIS (1700)  
/ DASH CONNECTOR  
(LOCATED ON DASH PANEL  
LEFT SIDE UPPER)



CONNECTOR 3595624C1

\*\* W/ WABCO FULL POWER ABS  
\* W/ BENDIX AIR ABS  
% W/ WABCO AIR ABS  
# W/ WABCO HYD ABS  
@ MUTUALLY EXCLUSIVE  
## W/ AUTO APPLY PARK BRAKES  
& W/ COMPRESSOR / TANK FOR HYD CHASSIS

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	M52	14	YL	3549416C1	33**	M90B	18	GY	3549418C1
2	M53	14	YL	3549416C1	34%	M94AK	14	BN	3549417C1
3	M52D	14	YL	3549416C1	34*	M94H	18	GY	3549418C1
4	M53B	14	YL	3549416C1	34**	M94BF	18	GY	3549418C1
5	M54B	14	BN	3549416C1	35%	M94AJ	14	GN	3549417C1
6	M19A	16	GY	3549416C1	35*	M94J	18	GY	3549418C1
7	M19B	16	GY	3549416C1	35**	M94R(+)	18	BK	3549418C1
8	M53F	14	YL	3549416C1	36%	M94AH	14	BL	3549417C1
9	M53F	14	YL	3549416C1	36*	M94K	18	GY	3549418C1
10	M52B	14	YL	3549416C1	36**	M94R(-)	18	BN	3549418C1
11	M52E	14	YL	3549416C1	37	M67A	16	VT	3549417C1
12@	M103C	12	LTGN	3549415C1	38**	M10-GV	16	WH	3549417C1
12@	M14LP	10	RD	3549415C1	38&	M67B	16	VT	3549417C1
12@	M14WB	12	RD	3549415C1	39	M73R	16	LTGN	3549417C1
13@	M12BD	12	LTBL	3549415C1	40	M73M	16	LTGN	3549417C1
13@	M103D	12	LTGN	3549415C1	41	M73AF	16	LTGN	3549417C1
14	M56B	16	OR	3549417C1	42	M94SBB	16	GY	3549417C1
15	M57B	16	OR	3549417C1	43	M104CB	18	DKBL	3549418C1
16	M41	18	GY	3549418C1	44	M104CB	18	DKBL	3549418C1
17	M87C	18	GY	3549418C1	45	M89CE	18	PL	3549418C1
18	M9BB	18	GY	3549418C1	46	M89AR	18	PK	3549418C1
19@	M87KA	16	GY	3549417C1	47	M44Y	16	GY	3549416C1
19*@	M61	18	GY	3549418C1	47##	M44J	18	GY	3549418C1
20@	M87BA	18	GY	3549418C1	48	M92#103	18	TN	3549418C1
20*@	M106A	18	GY	3549418C1	49	M92#101	18	TN	3549418C1
21	M85E	16	GY	3549417C1	50	M94SAB	16	GY	3549417C1
22	M64A	16	YL	3549417C1	51	M94SDB	16	GY	3549416C1
23	M64B	16	YL	3549417C1	52	M6VDC	18	GY	3549418C1
24	M67C	16	VT	3549417C1	53	M9VA	18	GY	3549418C1
25	M110AD	18	GY	3549418C1	54	MA1	18	GY	3549418C1
26	M67D	16	VT	3549416C1	55	MA2	18	GY	3549418C1
27&	M9A	18	GY	3549418C1	56	MA3	18	GY	3549418C1
27*	M94	18	GY	3549418C1	57	MA4	18	GY	3549418C1
27%	M94AB	14	BN	3549417C1	58	MA5	18	GY	3549418C1
28*	M94A	18	GY	3549418C1	59	M11-GM	18	GY	3549418C1
28%	M94AA	14	GN	3549417C1	60	M94SCB	16	GY	3549417C1
28&	M6A	18	GY	3549418C1	61	M44L	18	GY	3549418C1
29*	M94B	18	GY	3549418C1	62	PLUG	-	-	3598921C1
29%	M94AL	14	BL	3549417C1	63&	M78BC	16	LTGN	3549417C1
29&	M40	18	GY	3549418C1	63	M78BC	16	LTGN	3549416C1
30**	M94L(+)	18	BK	3549418C1	64	M78AC	16	LTGN	3549416C1
30*	M94C	18	GY	3549418C1	65	PLUG	-	-	3598921C1
30*	M94F	18	GY	3549418C1	66	PLUG	-	-	3598921C1
30%	M94AC	18	BN	3549418C1	67	PLUG	-	-	3598921C1
31*	M94D	18	GY	3549418C1	68	PLUG	-	-	3598921C1
31%	M94AD	18	BK	3549418C1	69	M94SJ	16	GY	3549416C1
31**	M94L(-)	18	BN	3549418C1	70	M94SK	16	GY	3549416C1
32*	M94E	18	GY	3549418C1	71	M94SM	16	GY	3549416C1
32%	M94AE	18	BN	3549418C1	72	M94SN	16	GY	3549416C1
32**	M90H	16	GY	3549417C1	73	M94SL	16	GY	3549416C1
33%	M94AF	18	BK	3549418C1	74	M94SZC	16	GY	3549416C1
					75	M94SVC	16	GY	3549416C1
					76	M94SH	16	GY	3549416C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20FEB09	REVISED NOTES, CAV 30.	C	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					59974G	15SEP06
						PART NO.
						AE08056619
						SHEET
						035

Figure 284 Connector Composite (1700)



13.39. CONNECTOR COMPOSITE (1700), P. 36

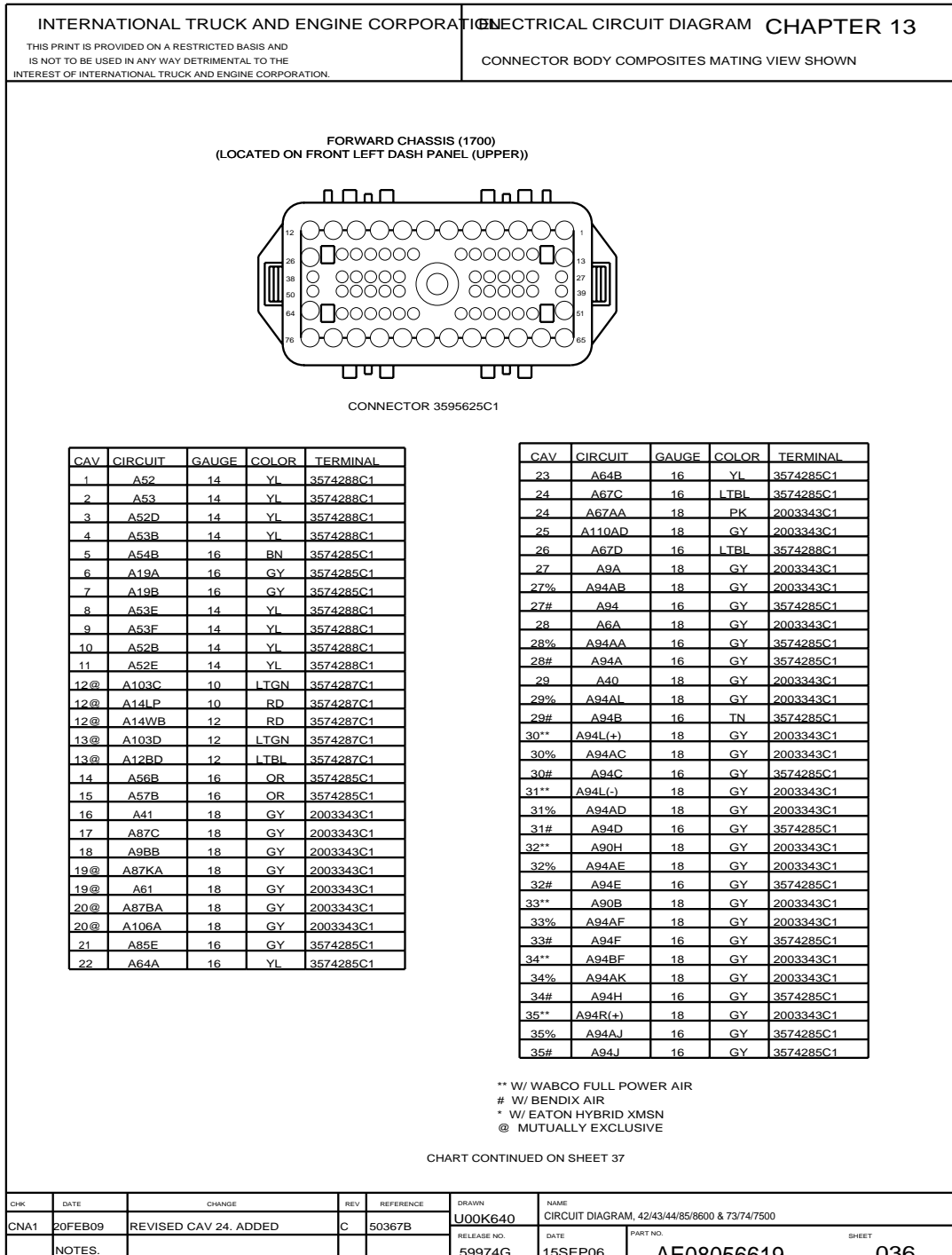


Figure 285 Connector Composite (1700)

13.40. CONNECTOR COMPOSITE (1700), P. 37

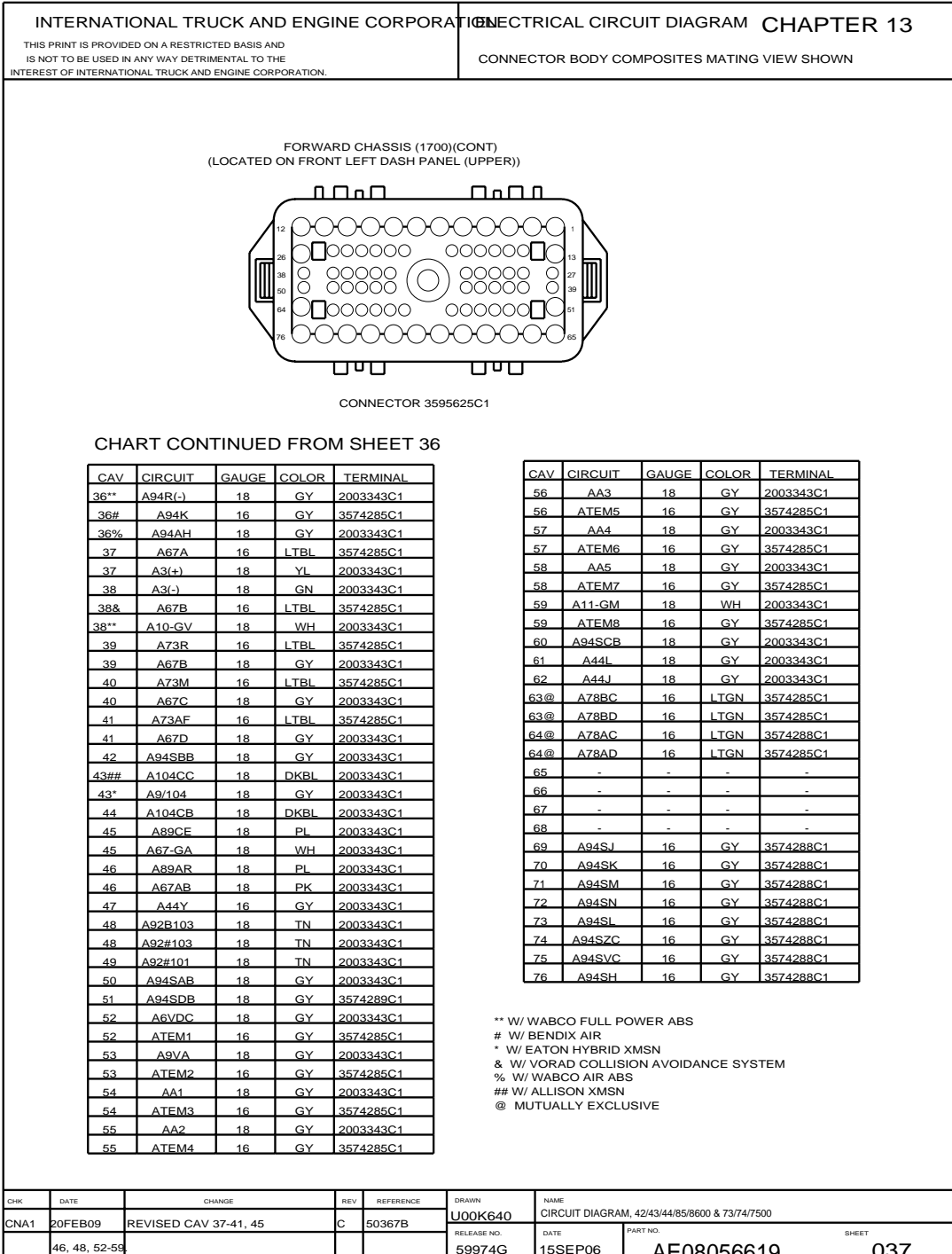


Figure 286 Connector Composite (1700)

13.41. CONNECTOR COMPOSITE (1701), P. 38

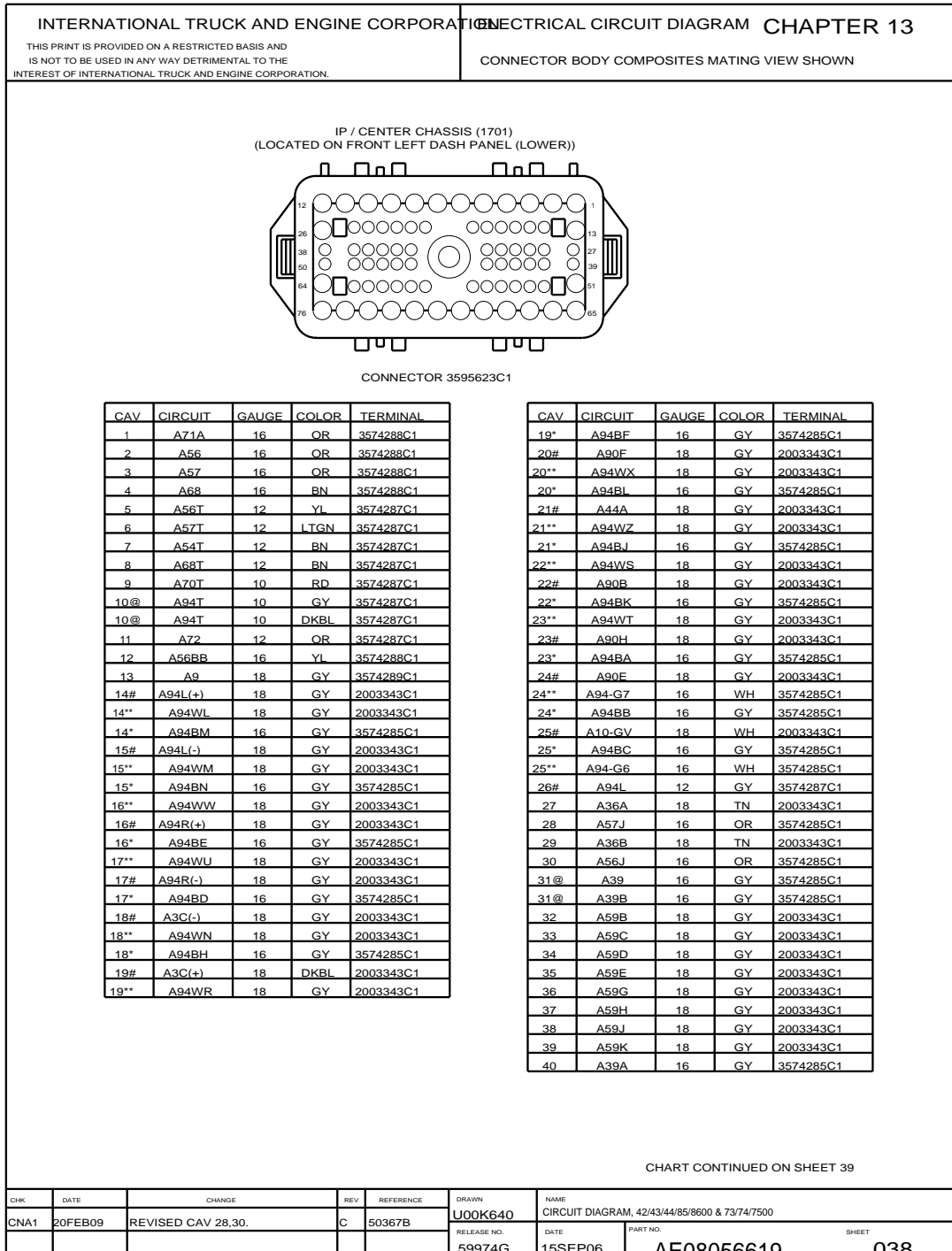


Figure 287 Connector Composite (1701)

13.42. CONNECTOR COMPOSITE (1701), P. 39

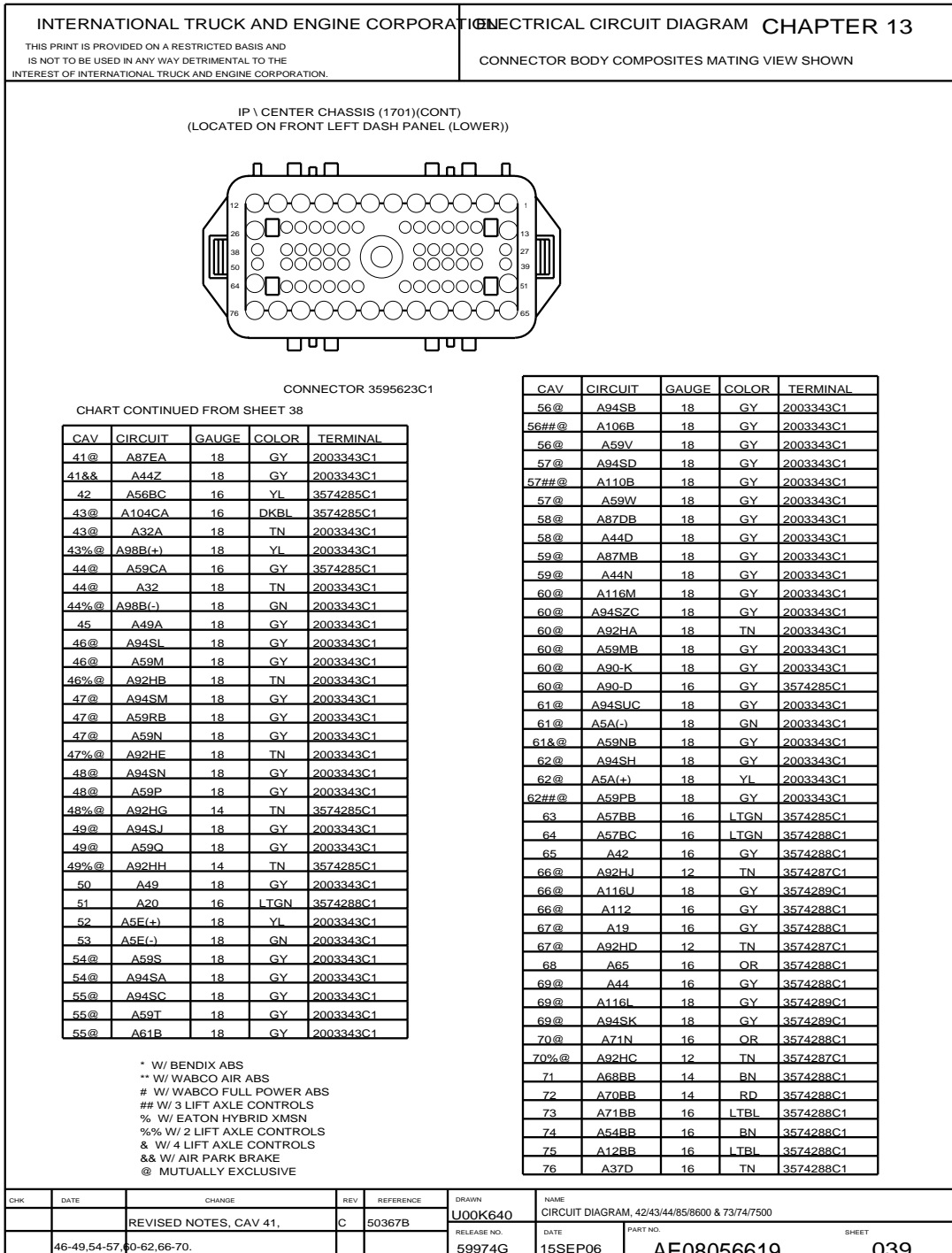


Figure 288 Connector Composite (1701)

13.43. CONNECTOR COMPOSITE (1701), P. 40

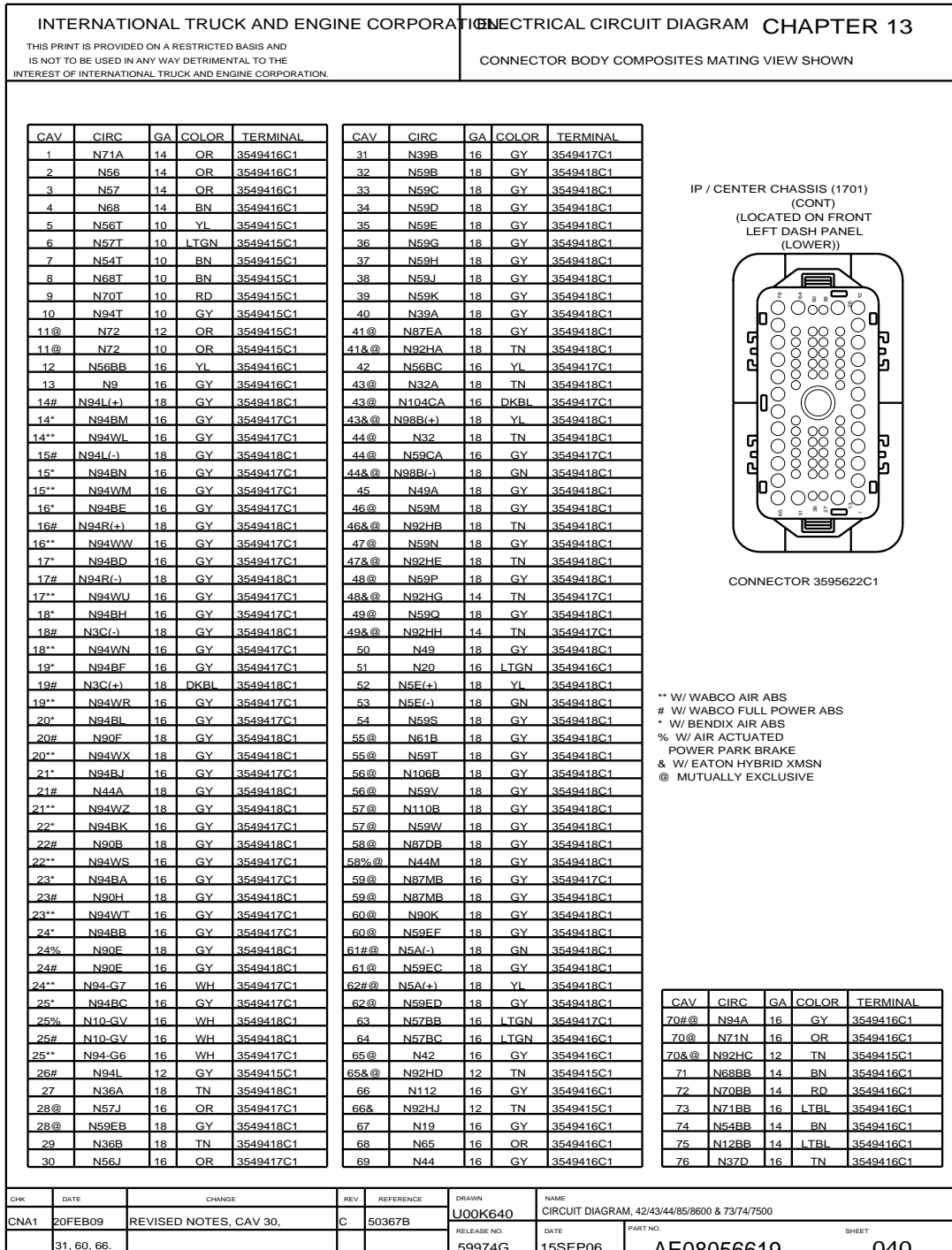


Figure 289 Connector Composite (1701)

13.44. CONNECTOR COMPOSITE (1702), P. 41

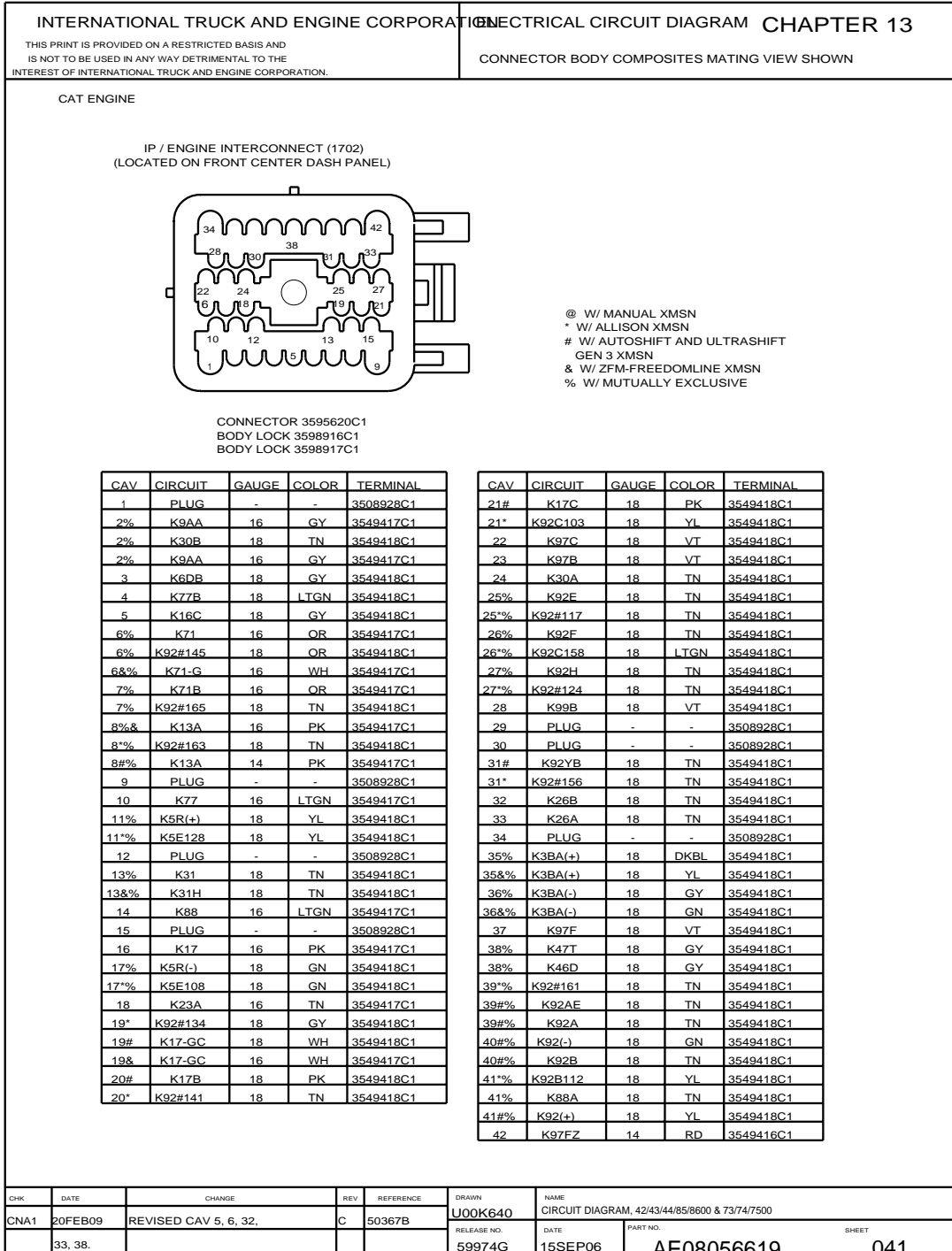


Figure 290 Connector Composite (1702)

13.45. CONNECTOR COMPOSITE (1702), P. 41A

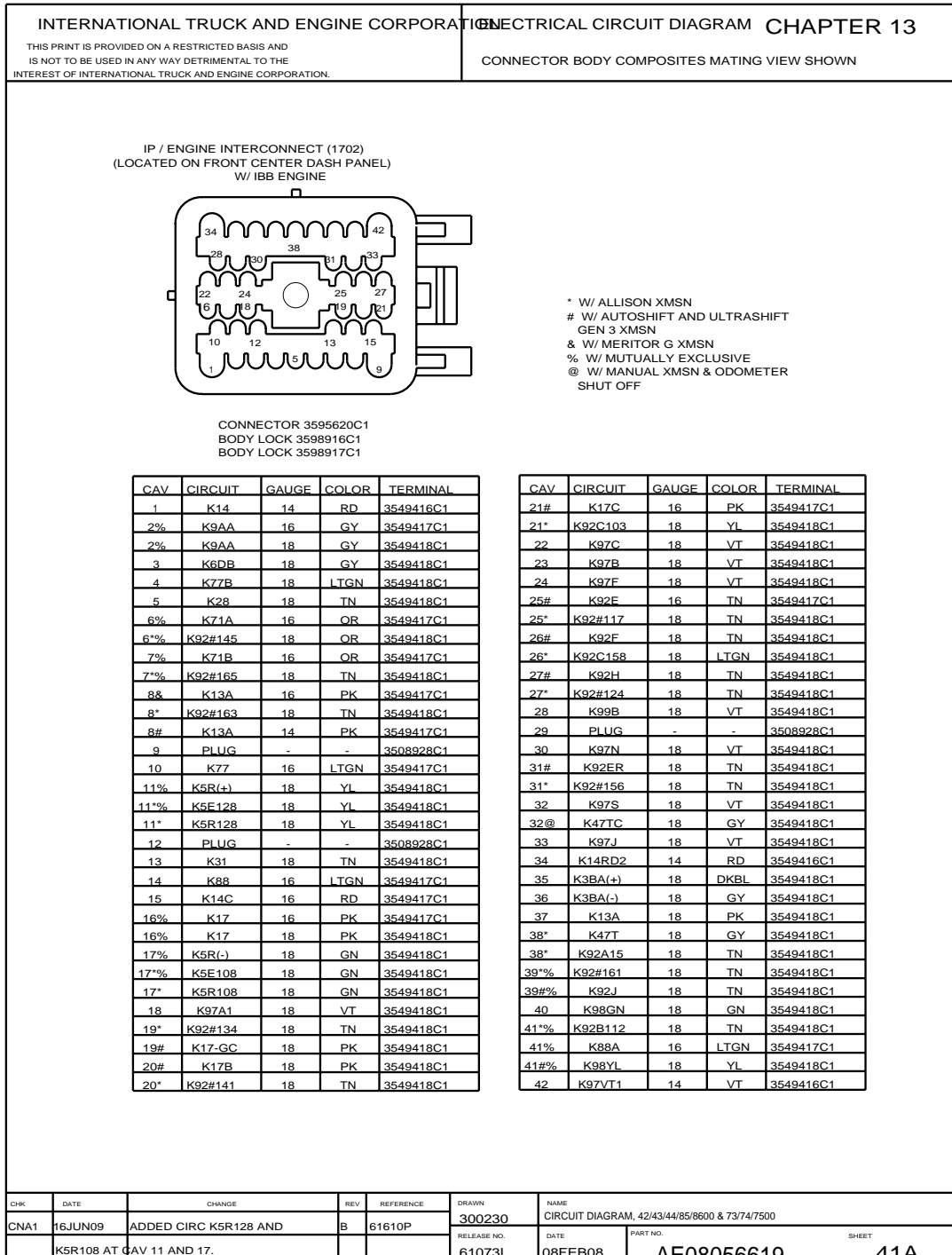


Figure 291 Connector Composite (1702)

13.46. CONNECTOR COMPOSITE (1702), P. 42

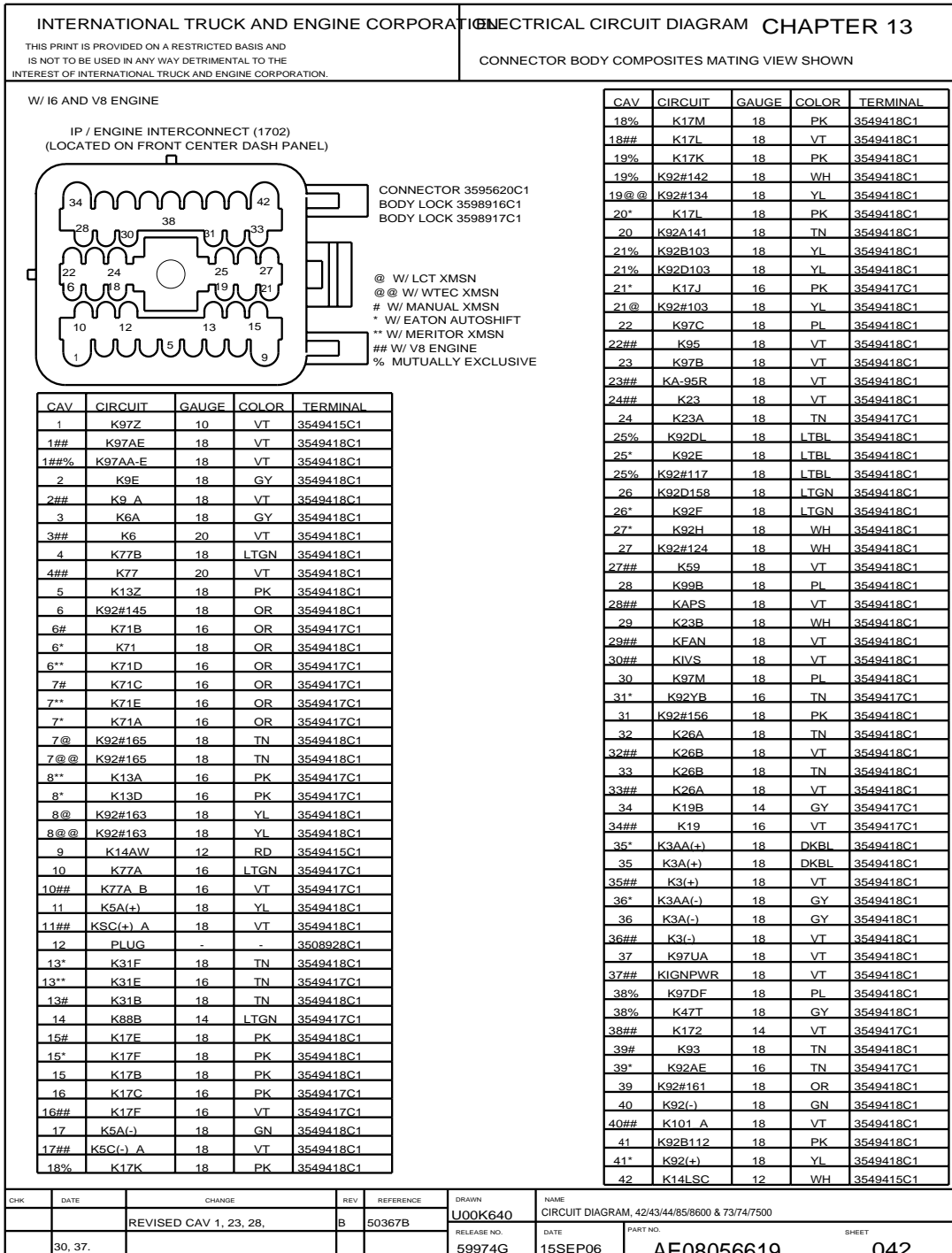


Figure 292 Connector Composite (1702)



13.47. CONNECTOR COMPOSITE (1702), P. 43

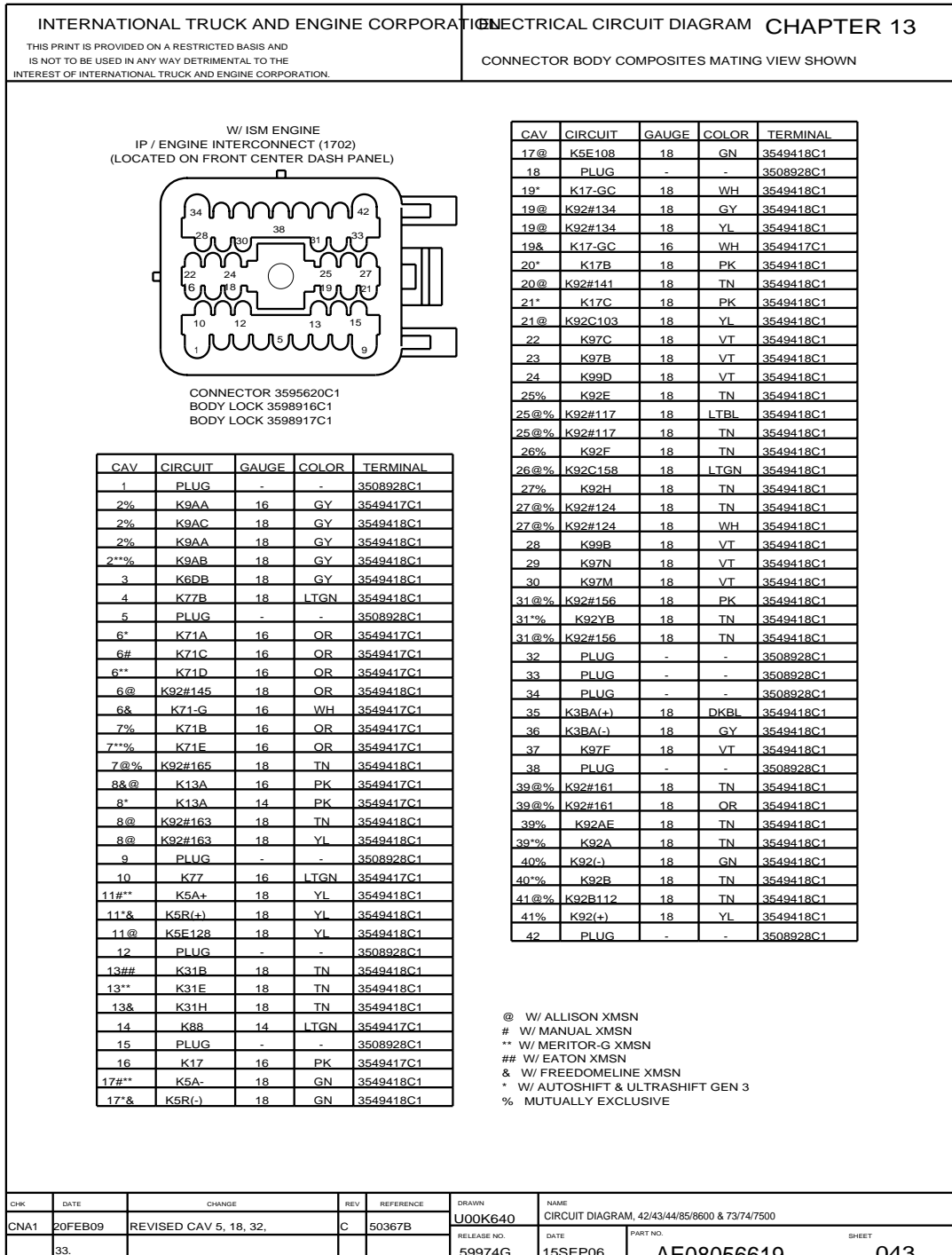


Figure 293 Connector Composite (1702)

13.48. CONNECTOR COMPOSITE (1702), P. 44

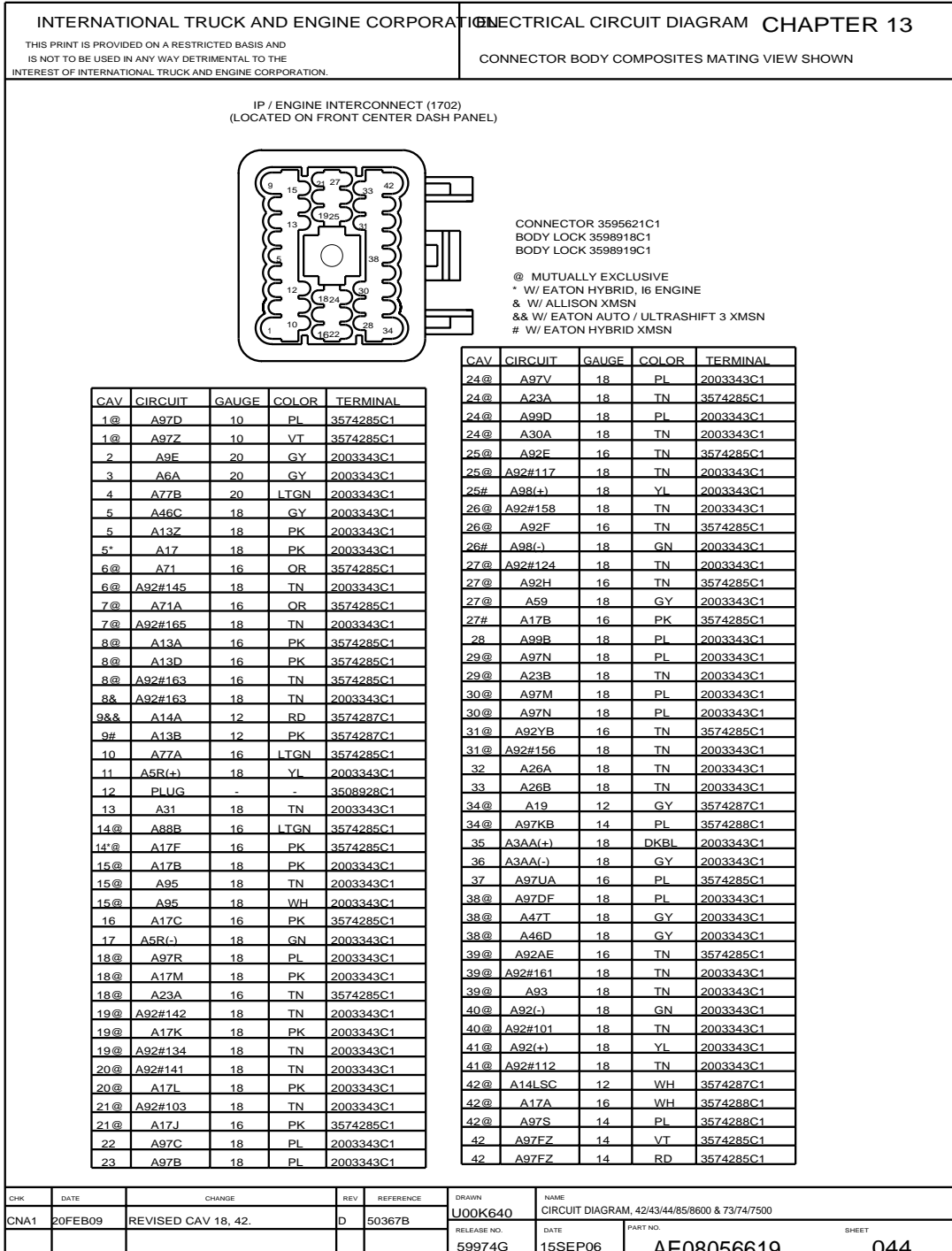


Figure 294 Connector Composite (1702)

13.49. CONNECTOR COMPOSITES (1800), P. 45

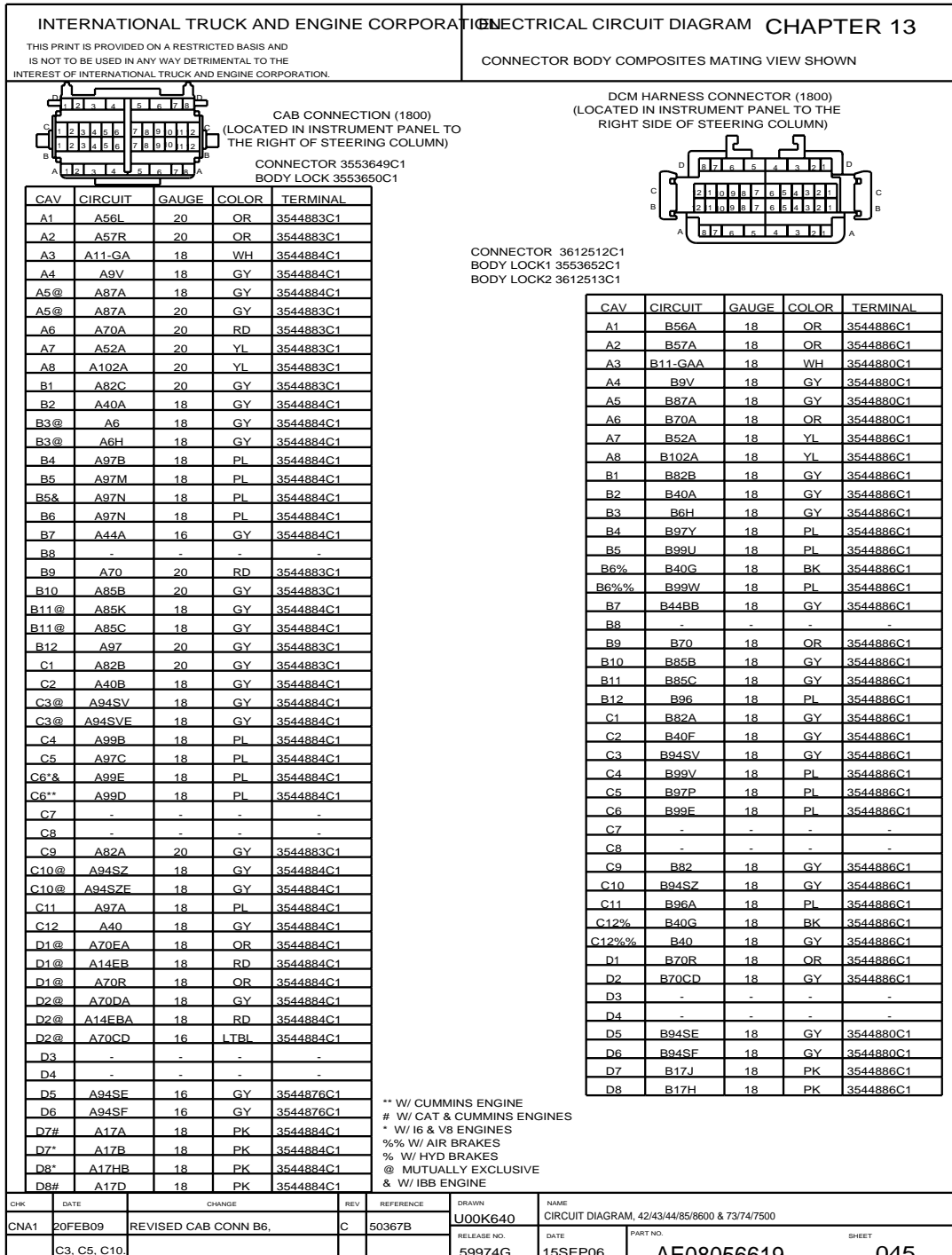


Figure 295 Connector Composites (1800)

13.50. CONNECTOR COMPOSITES (1804), (1807), (1808), P. 46

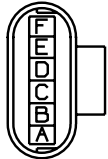
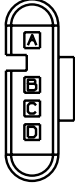
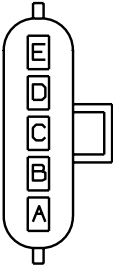
<p><b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM</b>      <b>CHAPTER 13</b></p> <p>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>																																				
<p style="text-align: center;">ACCELERATOR PEDAL (1804) (LOCATED ABOVE ACCELERATOR PEDAL)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A</td><td>B99V</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>B</td><td>B97Y</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>C</td><td>B97P</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>D</td><td>B99U</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>E</td><td>B99W</td><td>18</td><td>PL</td><td>1651943C1</td></tr> <tr><td>F</td><td>B99E</td><td>18</td><td>PL</td><td>1651943C1</td></tr> </tbody> </table> </div> <p style="text-align: center;">CONNECTOR 1687790C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	B99V	18	PL	1651943C1	B	B97Y	18	PL	1651943C1	C	B97P	18	PL	1651943C1	D	B99U	18	PL	1651943C1	E	B99W	18	PL	1651943C1	F	B99E	18	PL	1651943C1	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																	
A	B99V	18	PL	1651943C1																																	
B	B97Y	18	PL	1651943C1																																	
C	B97P	18	PL	1651943C1																																	
D	B99U	18	PL	1651943C1																																	
E	B99W	18	PL	1651943C1																																	
F	B99E	18	PL	1651943C1																																	
<p style="text-align: center;">CLUTCH SWITCH (1807) (LOCATED ON CLUTCH PEDAL)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>B17J</td><td>18</td><td>PK</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>B</td><td>B17H</td><td>18</td><td>PK</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>C</td><td>B96A</td><td>18</td><td>PL</td><td>1667742C1</td><td>3568570C1</td></tr> <tr><td>D</td><td>B9VB</td><td>18</td><td>GY</td><td>1667742C1</td><td>3568570C1</td></tr> </tbody> </table> </div> <p style="text-align: center;">CONNECTOR 3540757C1 BODY LOCK 3540758C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	B17J	18	PK	1667742C1	3568570C1	B	B17H	18	PK	1667742C1	3568570C1	C	B96A	18	PL	1667742C1	3568570C1	D	B9VB	18	GY	1667742C1	3568570C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	B17J	18	PK	1667742C1	3568570C1																																
B	B17H	18	PK	1667742C1	3568570C1																																
C	B96A	18	PL	1667742C1	3568570C1																																
D	B9VB	18	GY	1667742C1	3568570C1																																
<p style="text-align: center;">BACK-UP ALARM (1808) (LOCATED AT REAR END OF RIGHT FRAME RAIL)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>RD</td><td>16</td><td>RD</td><td>2033819C1</td><td>1652325C1</td></tr> <tr><td>B</td><td>PLUG</td><td></td><td></td><td></td><td>0587579C1</td></tr> <tr><td>C</td><td>PLUG</td><td></td><td></td><td></td><td>0587579C1</td></tr> <tr><td>D</td><td>PLUG</td><td></td><td></td><td></td><td>0587579C1</td></tr> <tr><td>E</td><td>BK</td><td>16</td><td>BK</td><td>2033819C1</td><td>1652325C1</td></tr> </tbody> </table> </div> <p style="text-align: center;">CONNECTOR 1661375C2 BODY LOCK 1661376C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	RD	16	RD	2033819C1	1652325C1	B	PLUG				0587579C1	C	PLUG				0587579C1	D	PLUG				0587579C1	E	BK	16	BK	2033819C1	1652325C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																
A	RD	16	RD	2033819C1	1652325C1																																
B	PLUG				0587579C1																																
C	PLUG				0587579C1																																
D	PLUG				0587579C1																																
E	BK	16	BK	2033819C1	1652325C1																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME								<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>RELEASE NO.</th> <th>DATE</th> <th>PART NO.</th> <th>SHEET</th> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	RELEASE NO.	DATE	PART NO.	SHEET					<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">MAY07</td> <td style="width: 15%;">REVISED &amp; REDRAWN</td> <td style="width: 15%;">A</td> <td style="width: 15%;">60782A</td> <td style="width: 15%;">U00K640</td> <td style="width: 30%;">42/43/44/85/8600 &amp; 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>59974G</td> <td>15SEP06 AE08-56619 46</td> </tr> </table>	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS					59974G	15SEP06 AE08-56619 46	
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																															
RELEASE NO.	DATE	PART NO.	SHEET																																		
MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																																
				59974G	15SEP06 AE08-56619 46																																

Figure 296 Connector Composites (1804), (1807), (1808)

13.51. CONNECTOR COMPOSITES (1809), (1810), (1811), (1812), (1813), (1815), (1822),  
 P. 47

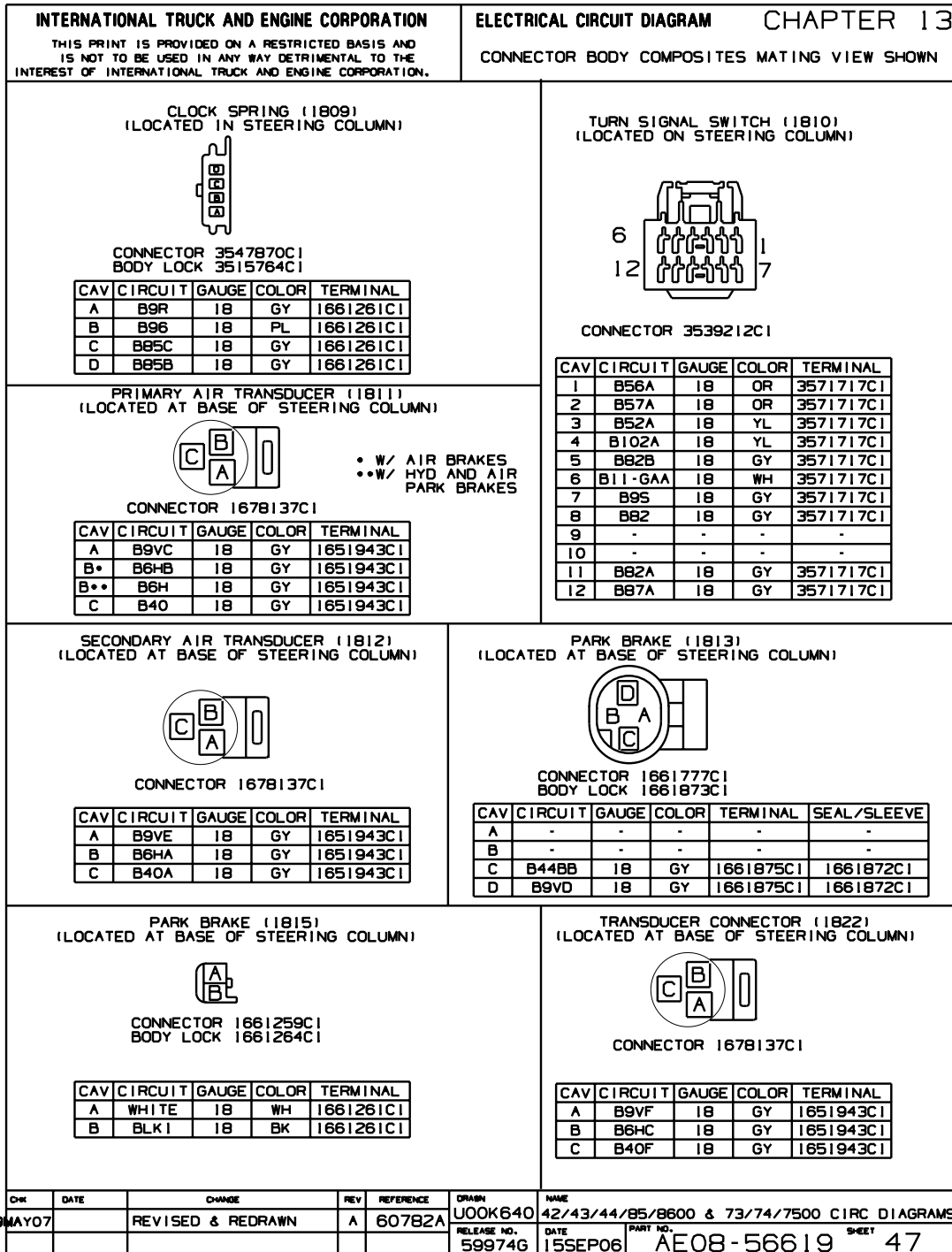


Figure 297 Connector Composites (1809), (1810), (1811), (1812), (1813), (1815), (1822)

13.52. CONNECTOR COMPOSITES (1820), (1821), P. 47A

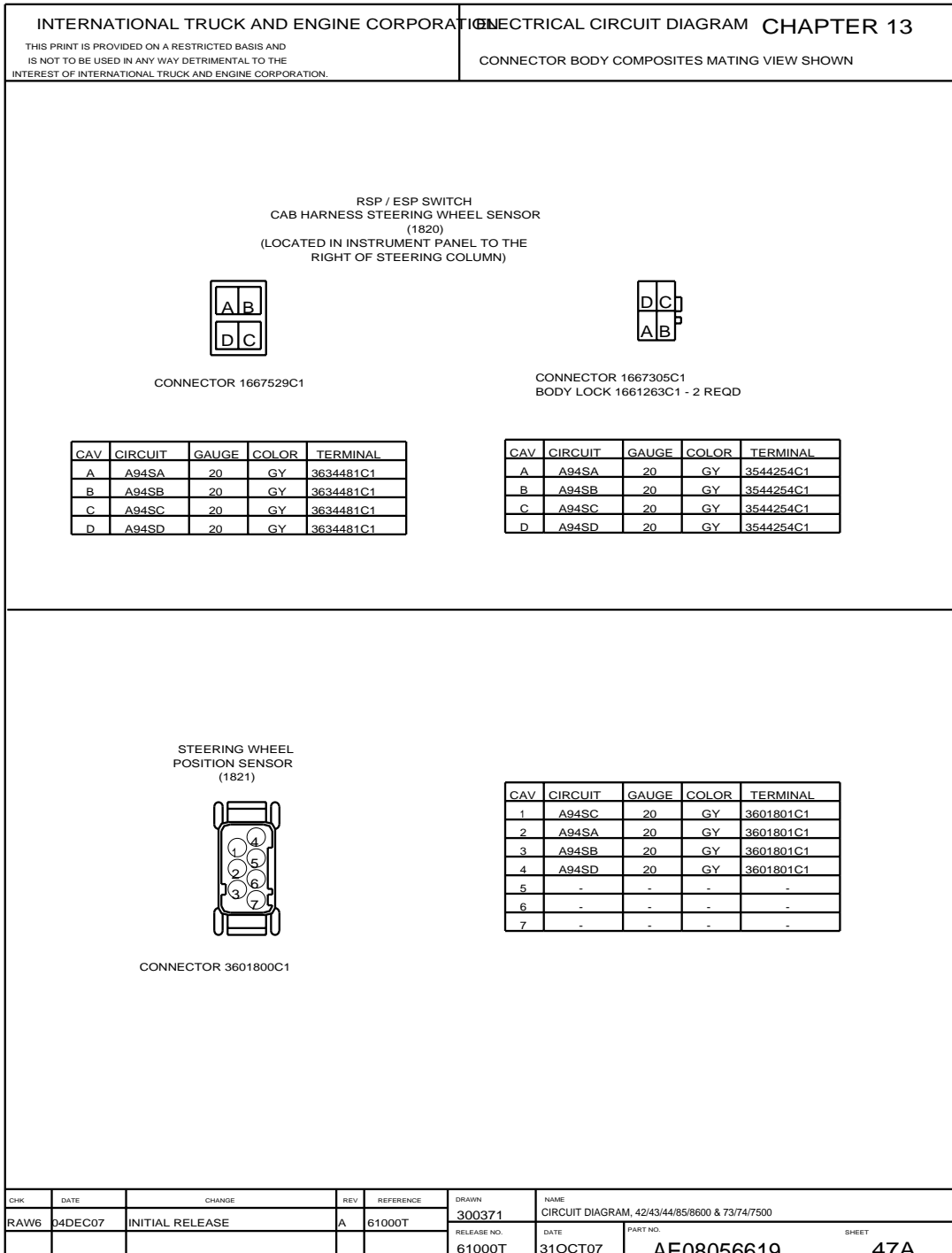


Figure 298 Connector Composites (1820), (1821)

13.53. CONNECTOR COMPOSITES (1823), (1824), (1825), (1826), (1827), P. 48

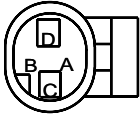
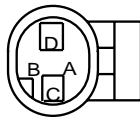
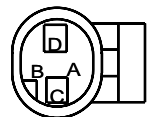
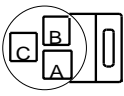
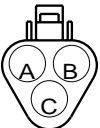
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN			
STOP LIGHT # 1 (1823) (LOCATED AT BASE OF STEERING COLUMN)							
							
CONNECTOR 1661777C1 BODY LOCK 1661873C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE		
A	-	-	-	-	-		
B	-	-	-	-	-		
C	B70A	18	OR	1661875C1	1661872C1		
D	B9VG	18	GY	1661875C1	1661872C1		
STOP LIGHT # 2 (1824) (LOCATED AT BASE OF STEERING COLUMN)							
							
CONNECTOR 1661777C1 BODY LOCK 1661873C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE		
A	-	-	-	-	-		
B	-	-	-	-	-		
C	B70	18	OR	1661875C1	1661872C1		
D	B9VH	18	GY	1661875C1	1661872C1		
BRAKE PRESSURE SWITCH (1825) (LOCATED AT BASE OF STEERING COLUMN)							
							
CONNECTOR 1661777C1 BODY LOCK 1661873C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE		
A	-	-	-	-	-		
B	-	-	-	-	-		
C	B70R	18	OR	1661875C1	1661872C1		
D	B70CD	18	GY	1661875C1	1661872C1		
ABS PRIMARY AIR TRANSDUCER (1826)							
							
CONNECTOR 1678137C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL			
A	A94SZA	18	GY	1651943C1			
B	A94SVA	18	GY	1651943C1			
C	A94SE	18	GY	1651943C1			
ACCELERATOR PEDAL MODULE (1827) (LOCATED ABOVE ACCELERATOR PEDAL)							
							
CONNECTOR 3601919C1							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL			
A	B97P	18	PL	1680205C1			
B	B97Y	18	PL	1680205C1			
C	B99V	18	PL	1680205C1			
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500	
					RELEASE NO.	DATE	PART NO.
					59974G	15SEP06	AE08056619
						SHEET	048

Figure 299 Connector Composites (1823), (1824), (1825), (1826), (1827)

13.54. CONNECTOR COMPOSITES (1828), (1852), (1860), P. 48A

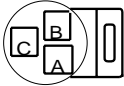
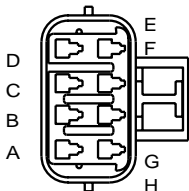
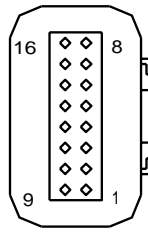

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																																						
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																																																						
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>ABS SECONDARY AIR TRANSDUCER (1828)</p>  <p>CONNECTOR 1678137C1</p> </div> <div style="width: 50%;"> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>B94SZB</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>B</td> <td>B94SVB</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> <tr> <td>C</td> <td>B94SF</td> <td>18</td> <td>GY</td> <td>1651943C1</td> </tr> </tbody> </table> </div> </div>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	B94SZB	18	GY	1651943C1	B	B94SVB	18	GY	1651943C1	C	B94SF	18	GY	1651943C1																																																																	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																				
A	B94SZB	18	GY	1651943C1																																																																																				
B	B94SVB	18	GY	1651943C1																																																																																				
C	B94SF	18	GY	1651943C1																																																																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>LCT COLUMN SHIFTER (1828) (LOCATED ON THE BACK OF LCT SHIFT SELECTOR)</p>  <p>CONNECTOR 3525872C1 BODY LOCK 3525873C1</p> </div> <div style="width: 50%;"> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> </tr> <tr> <td>B</td> <td>A92-GG</td> <td>18</td> <td>WH</td> <td>1661875C1</td> </tr> <tr> <td>C</td> <td>A92A163</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>D</td> <td>A92D</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>E</td> <td>A92#142</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>F@</td> <td>A92#103</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>F*</td> <td>A92A103</td> <td>18</td> <td>TN</td> <td>1661875C1</td> </tr> <tr> <td>G</td> <td>A44L</td> <td>18</td> <td>GY</td> <td>1661875C1</td> </tr> <tr> <td>H</td> <td>A44J</td> <td>18</td> <td>GY</td> <td>1661875C1</td> </tr> </tbody> </table> <p style="font-size: x-small; text-align: center;">* W/ WHEELCHAIR LIFT INTERLOCK @ W/ LCT COLUMN SHIFTER</p> </div> </div>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	PLUG	-	-	2025431C1	B	A92-GG	18	WH	1661875C1	C	A92A163	18	TN	1661875C1	D	A92D	18	TN	1661875C1	E	A92#142	18	TN	1661875C1	F@	A92#103	18	TN	1661875C1	F*	A92A103	18	TN	1661875C1	G	A44L	18	GY	1661875C1	H	A44J	18	GY	1661875C1																																			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																				
A	PLUG	-	-	2025431C1																																																																																				
B	A92-GG	18	WH	1661875C1																																																																																				
C	A92A163	18	TN	1661875C1																																																																																				
D	A92D	18	TN	1661875C1																																																																																				
E	A92#142	18	TN	1661875C1																																																																																				
F@	A92#103	18	TN	1661875C1																																																																																				
F*	A92A103	18	TN	1661875C1																																																																																				
G	A44L	18	GY	1661875C1																																																																																				
H	A44J	18	GY	1661875C1																																																																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>SHIFT SELECTOR (1852) (LOCATED IN INSTRUMENT PANEL NEAR SHIFTER)</p>  <p>CONNECTOR 3605446C91</p> </div> <div style="width: 50%;"> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>3</td><td>A62BE</td><td>18</td><td>GY</td><td>3517243C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>5</td><td>A92-GG</td><td>18</td><td>WH</td><td>3517243C1</td></tr> <tr><td>6</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>8</td><td>A5FA(+)</td><td>18</td><td>YL</td><td>3517243C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>11</td><td>A92#134</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>12</td><td>A92A163</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>13</td><td>A92BT</td><td>18</td><td>TN</td><td>3517243C1</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> <tr><td>15</td><td>A5FA(-)</td><td>18</td><td>GN</td><td>3517243C1</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>3518314C1</td></tr> </tbody> </table> </div> </div>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	3518314C1	2	PLUG	-	-	3518314C1	3	A62BE	18	GY	3517243C1	4	PLUG	-	-	3518314C1	5	A92-GG	18	WH	3517243C1	6	PLUG	-	-	3518314C1	7	PLUG	-	-	3518314C1	8	A5FA(+)	18	YL	3517243C1	9	PLUG	-	-	3518314C1	10	PLUG	-	-	3518314C1	11	A92#134	18	TN	3517243C1	12	A92A163	18	TN	3517243C1	13	A92BT	18	TN	3517243C1	14	PLUG	-	-	3518314C1	15	A5FA(-)	18	GN	3517243C1	16	PLUG	-	-	3518314C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																				
1	PLUG	-	-	3518314C1																																																																																				
2	PLUG	-	-	3518314C1																																																																																				
3	A62BE	18	GY	3517243C1																																																																																				
4	PLUG	-	-	3518314C1																																																																																				
5	A92-GG	18	WH	3517243C1																																																																																				
6	PLUG	-	-	3518314C1																																																																																				
7	PLUG	-	-	3518314C1																																																																																				
8	A5FA(+)	18	YL	3517243C1																																																																																				
9	PLUG	-	-	3518314C1																																																																																				
10	PLUG	-	-	3518314C1																																																																																				
11	A92#134	18	TN	3517243C1																																																																																				
12	A92A163	18	TN	3517243C1																																																																																				
13	A92BT	18	TN	3517243C1																																																																																				
14	PLUG	-	-	3518314C1																																																																																				
15	A5FA(-)	18	GN	3517243C1																																																																																				
16	PLUG	-	-	3518314C1																																																																																				
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p>CIGAR LIGHTER POWER SOURCE (1860) (LOCATED IN INSTRUMENT PANEL CENTER)</p>  <p>CONNECTOR 3613000C1</p> </div> <div style="width: 50%;"> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>A86-GA</td> <td>14</td> <td>WH</td> <td>3534165C1</td> </tr> <tr> <td>B</td> <td>A86M</td> <td>14</td> <td>LTGN</td> <td>3534165C1</td> </tr> <tr> <td>C</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> </div> </div>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	A86-GA	14	WH	3534165C1	B	A86M	14	LTGN	3534165C1	C	-	-	-	-																																																																	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																				
A	A86-GA	14	WH	3534165C1																																																																																				
B	A86M	14	LTGN	3534165C1																																																																																				
C	-	-	-	-																																																																																				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																		
CNA1	20FEB09	CONN 1828: CIRC A44J	B	50367B	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																		
WAS A92AG					RELEASE NO.	DATE	PART NO.																																																																																	
					61000T	31OCT07	AE08056619																																																																																	
						SHEET	48a																																																																																	

Figure 300 Connector Composites (1828), (1852), (1860)



13.55. CONNECTOR COMPOSITES (1861), (1872), (1873), (1874), (1875), (1900), P. 49

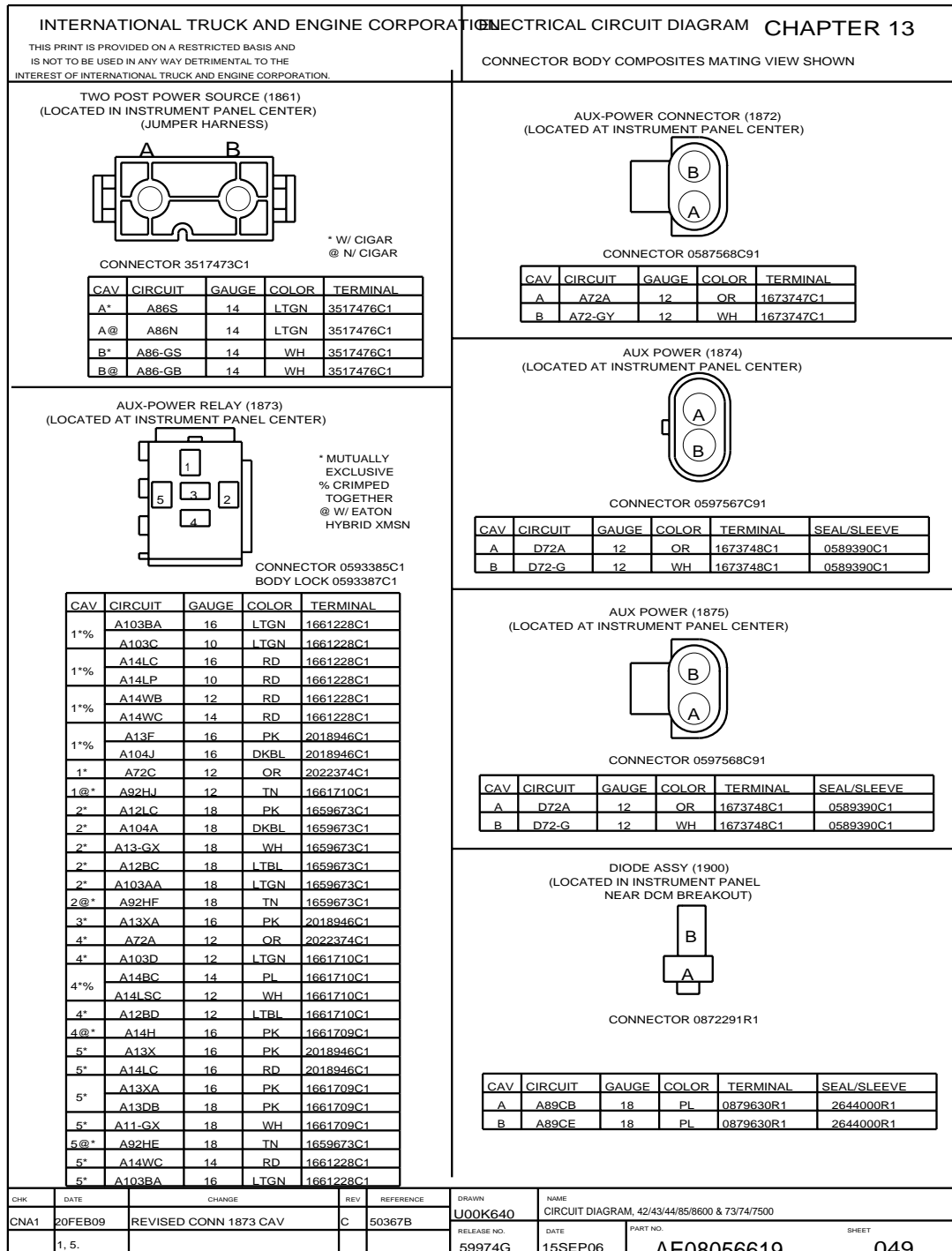


Figure 301 Connector Composites (1861), (1872), (1873), (1874), (1875), (1900)

13.56. CONNECTOR COMPOSITES (1901), (1902), (1910), (1912), (1916), P. 50

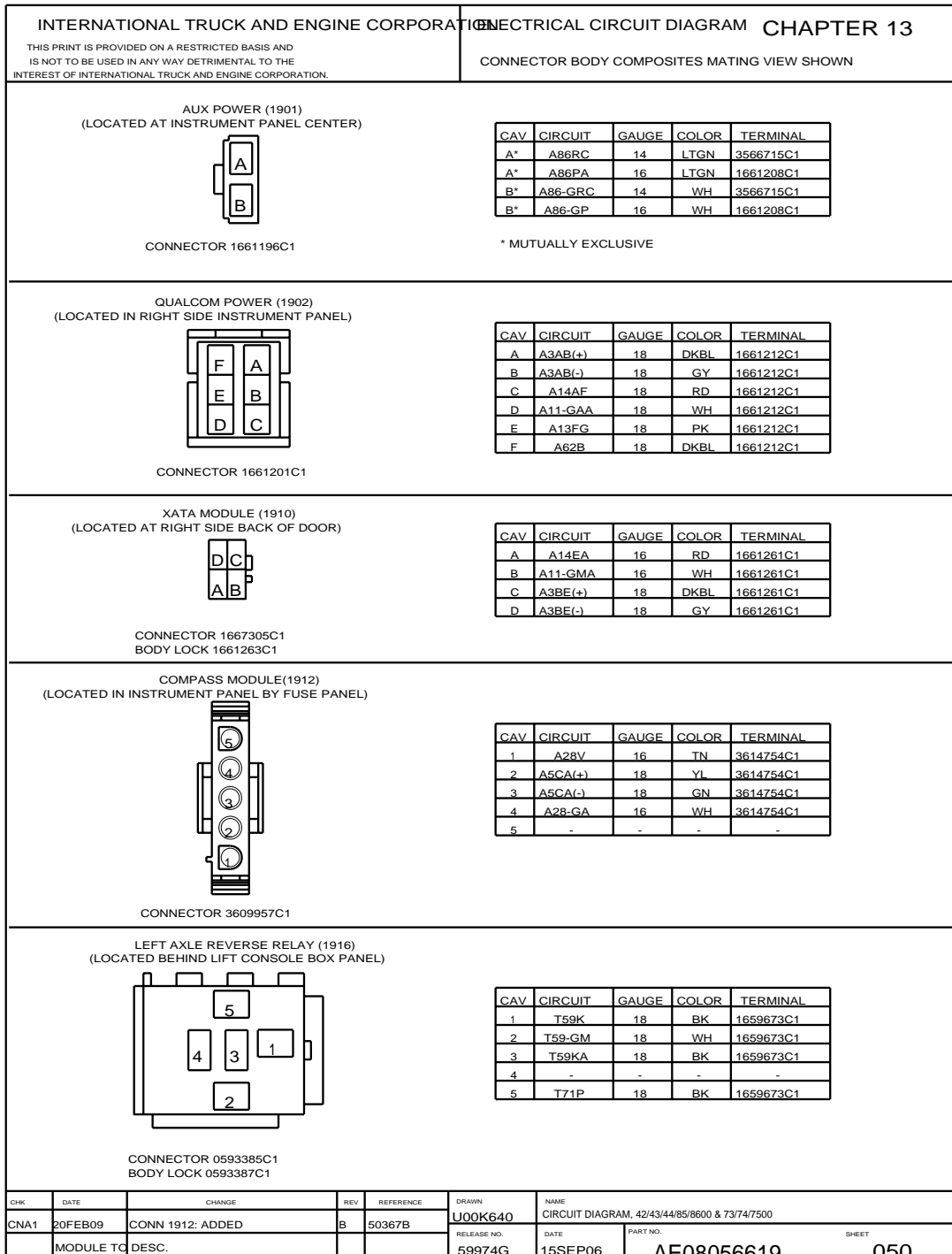


Figure 302 Connector Composites (1901), (1902), (1910), (1912), (1916)

13.57. CONNECTOR COMPOSITES (1918), (1927), (1929), (1935), (2000), P. 51

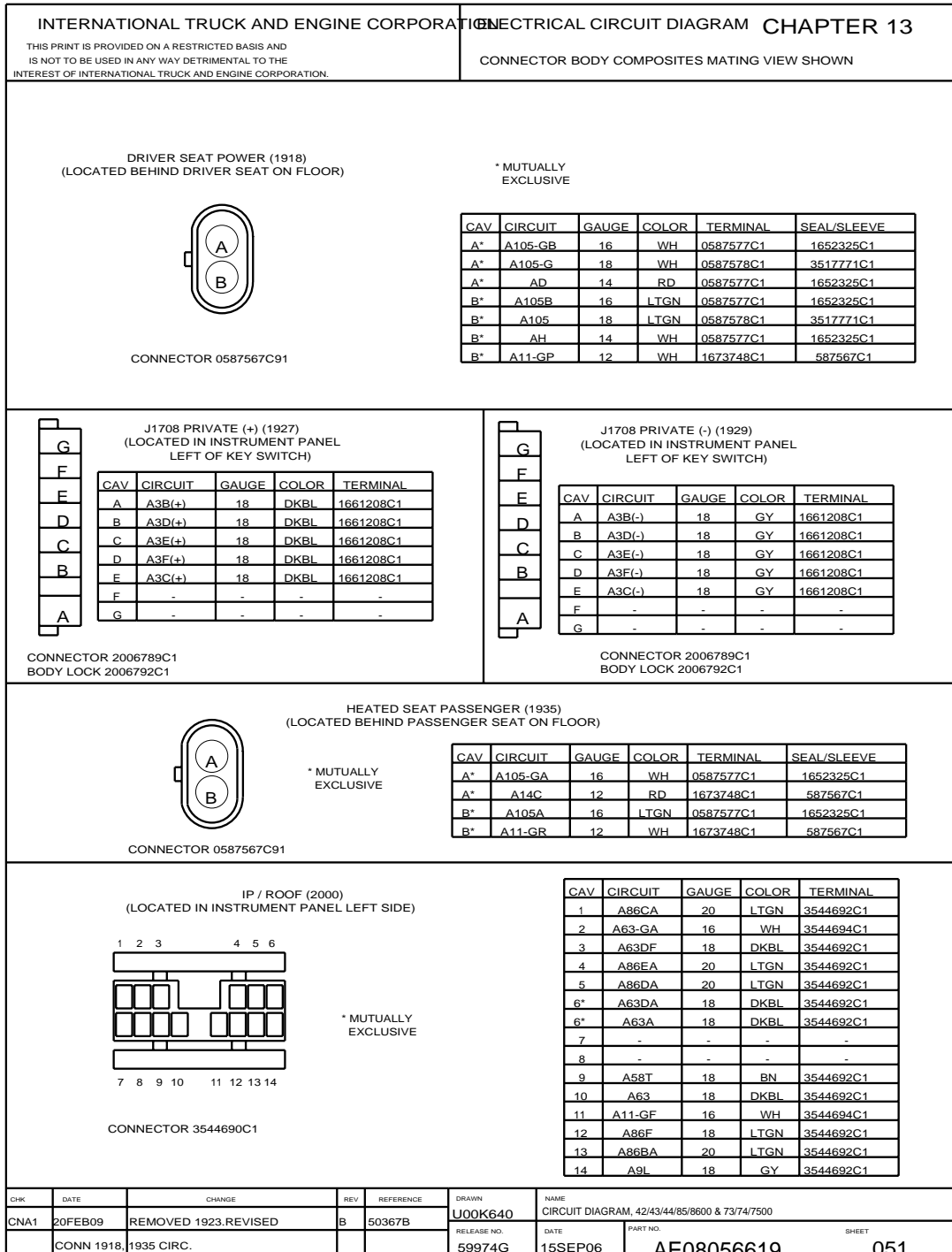


Figure 303 Connector Composites (1918), (1927), (1929), (1935), (2000)

13.58. CONNECTOR COMPOSITES (2000), (2002), (2003), (2004), (2005), (2006), P. 52

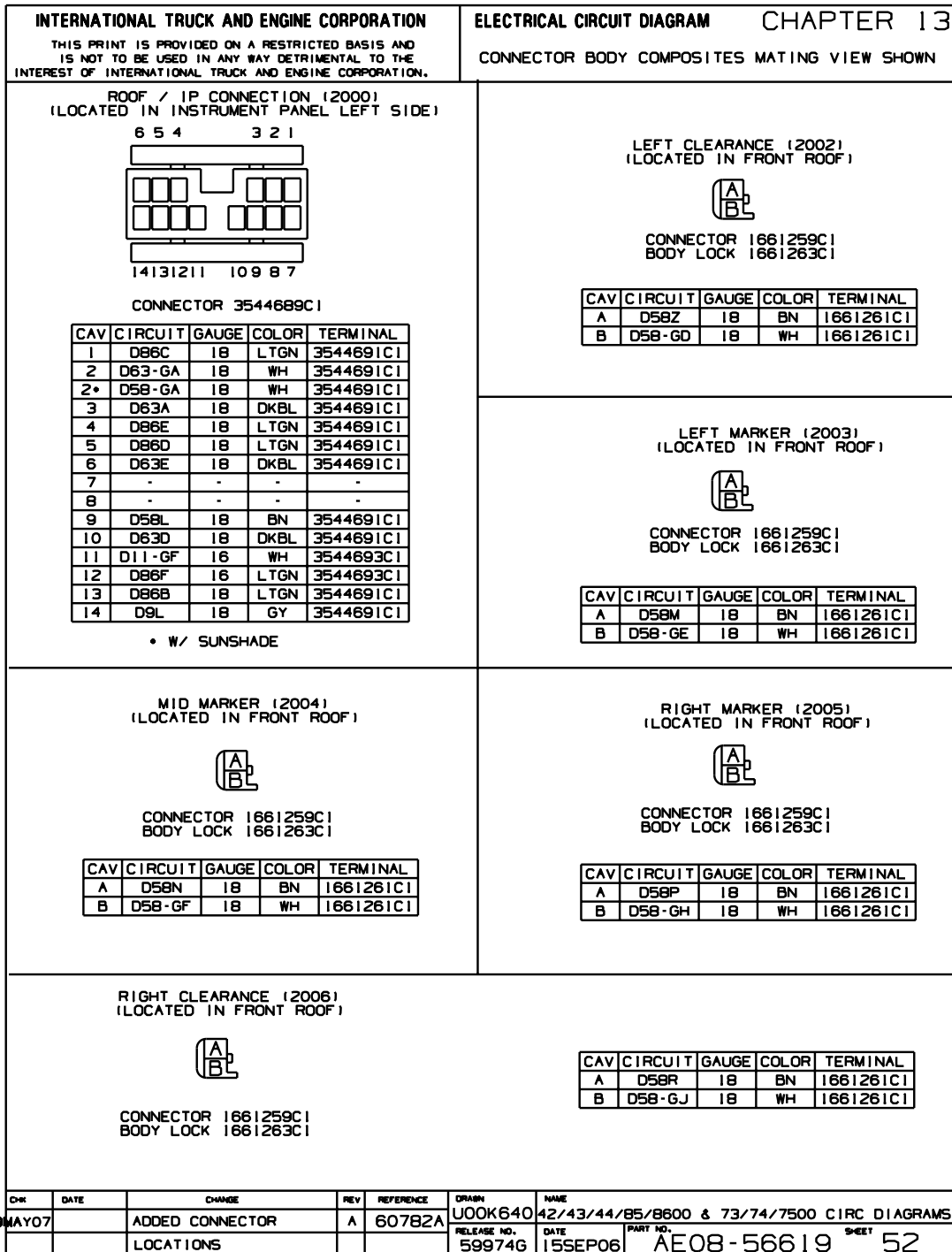


Figure 304 Connector Composites (2000), (2002), (2003), (2004), (2005), (2006)

13.59. CONNECTOR COMPOSITES (2020), (2021), (2022), (2115), (2116), (2116M), (2117), (2117M), P. 53

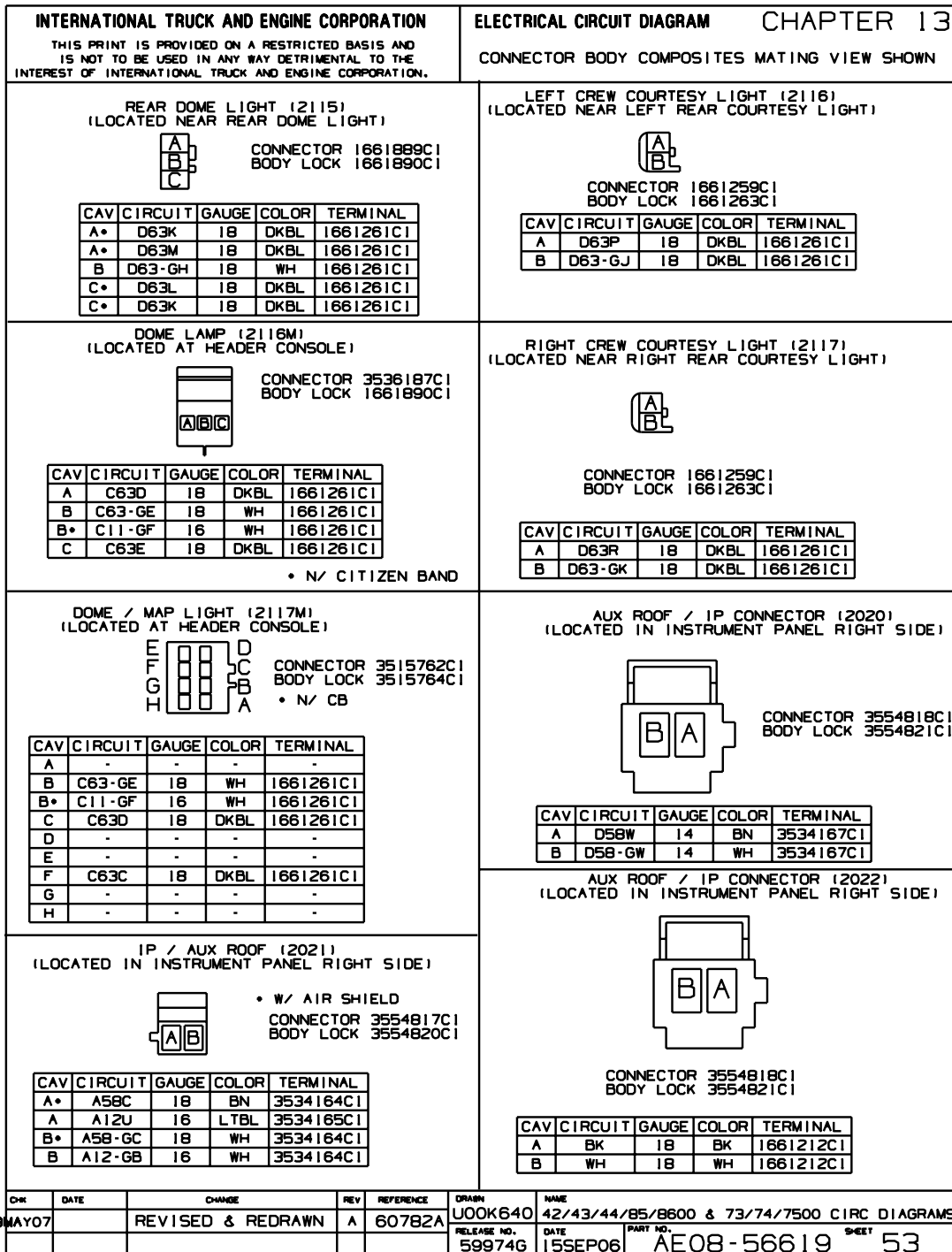


Figure 305 Connector Composites (2020), (2021), (2022), (2115), (2116), (2116M), (2117), (2117M)

13.60. CONNECTOR COMPOSITES (2301), (2302), (2303), (2304), (2305), (2502), P. 54

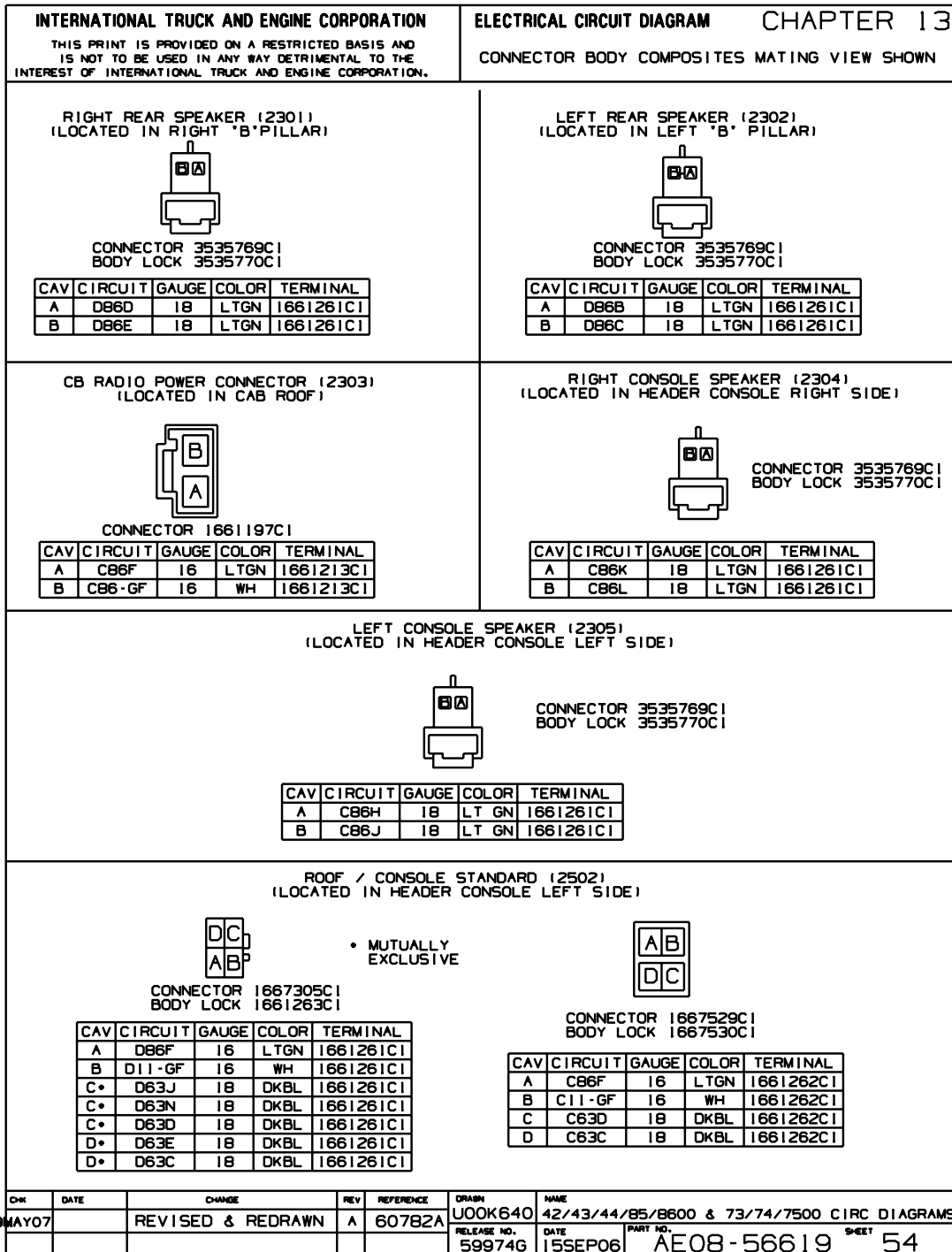


Figure 306 Connector Composites (2301), (2302), (2303), (2304), (2305), (2502)

13.61. CONNECTOR COMPOSITES (2503), (2600), (2601), (2602), P. 55

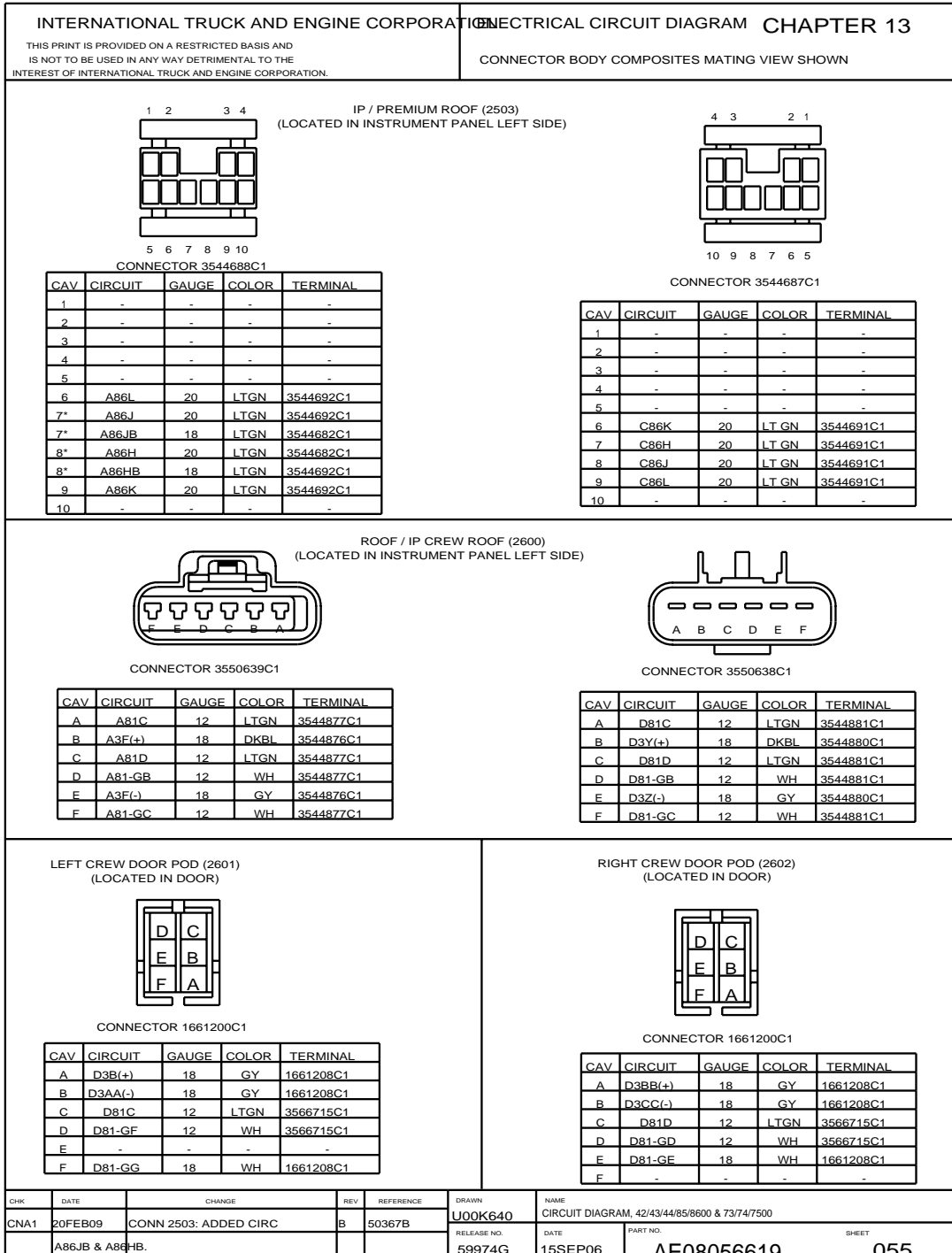


Figure 307 Connector Composites (2503), (2600), (2601), (2602)

13.62. CONNECTOR COMPOSITES (2700), (2700M), P. 56



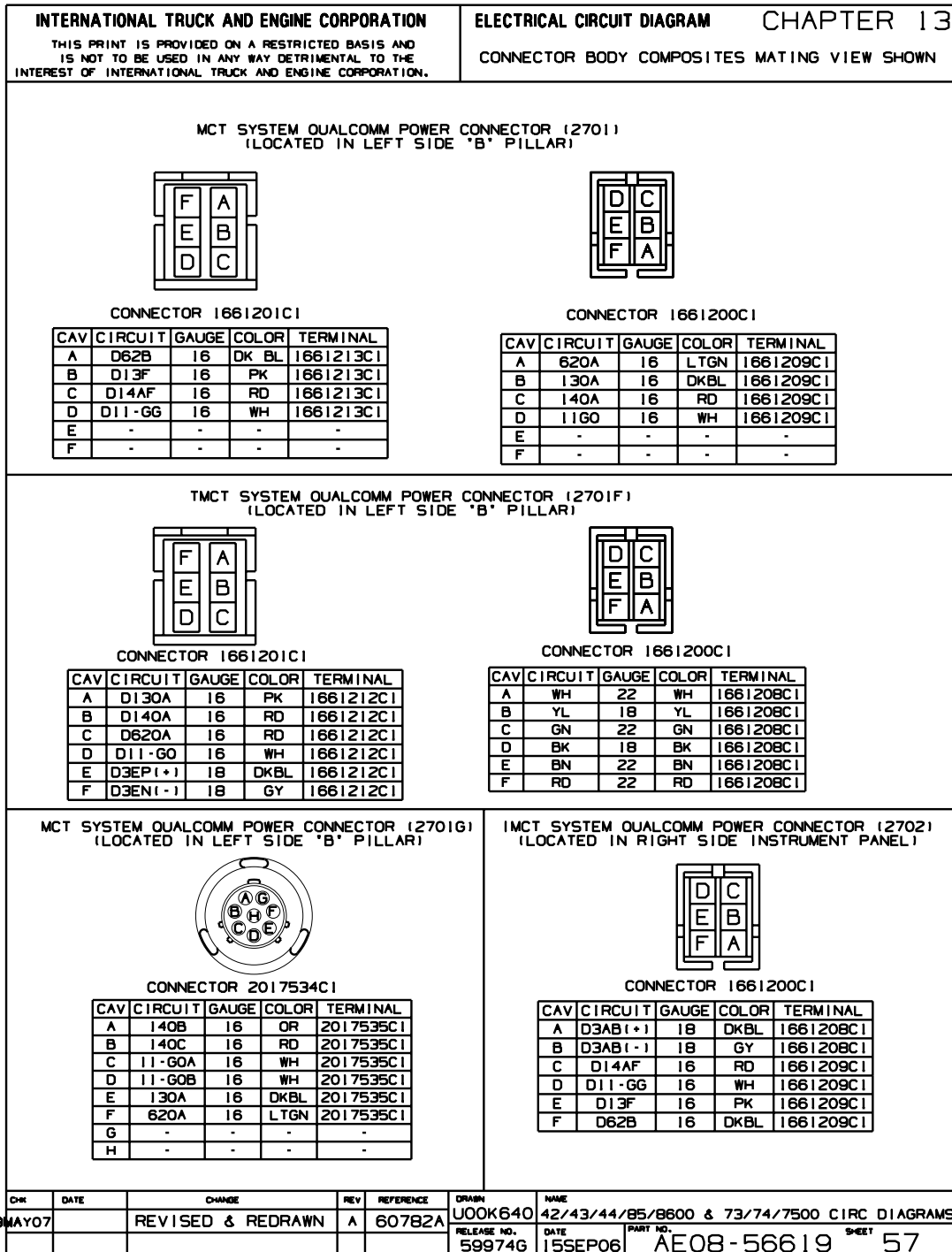
<p><b>INTERNATIONAL TRUCK AND ENGINE CORPORATION</b></p> <p>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p><b>ELECTRICAL CIRCUIT DIAGRAM    CHAPTER 13</b></p> <p>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>																																			
<p>MCT SYSTEM QUALCOMM POWER CONNECTOR (2700) (LOCATED IN RIGHT SIDE INSTRUMENT PANEL)</p>  <p>CONNECTOR 1661200C1</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>B</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>C</td> <td>D14AF</td> <td>16</td> <td>RD</td> <td>1661209C1</td> </tr> <tr> <td>D</td> <td>D11-GG</td> <td>16</td> <td>WH</td> <td>1661209C1</td> </tr> <tr> <td>E</td> <td>D13F</td> <td>16</td> <td>PK</td> <td>1661209C1</td> </tr> <tr> <td>F</td> <td>D62B</td> <td>16</td> <td>DK BL</td> <td>1661209C1</td> </tr> </tbody> </table>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	-	-	-	-	B	-	-	-	-	C	D14AF	16	RD	1661209C1	D	D11-GG	16	WH	1661209C1	E	D13F	16	PK	1661209C1	F	D62B	16	DK BL	1661209C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																
A	-	-	-	-																																
B	-	-	-	-																																
C	D14AF	16	RD	1661209C1																																
D	D11-GG	16	WH	1661209C1																																
E	D13F	16	PK	1661209C1																																
F	D62B	16	DK BL	1661209C1																																
<p>TMCT SYSTEM QUALCOMM POWER CONNECTOR (2700M) (LOCATED IN RIGHT SIDE INSTRUMENT PANEL)</p>  <p>CONNECTOR 1661200C1</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D3EP(+)</td> <td>18</td> <td>DKBL</td> <td>1661208C1</td> </tr> <tr> <td>B</td> <td>D3EN(-)</td> <td>18</td> <td>GY</td> <td>1661208C1</td> </tr> <tr> <td>C</td> <td>D140A</td> <td>16</td> <td>RD</td> <td>1661209C1</td> </tr> <tr> <td>D</td> <td>D11-GO</td> <td>16</td> <td>WH</td> <td>1661209C1</td> </tr> <tr> <td>E</td> <td>D130A</td> <td>16</td> <td>PK</td> <td>1661209C1</td> </tr> <tr> <td>F</td> <td>D620A</td> <td>16</td> <td>RD</td> <td>1661209C1</td> </tr> </tbody> </table>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D3EP(+)	18	DKBL	1661208C1	B	D3EN(-)	18	GY	1661208C1	C	D140A	16	RD	1661209C1	D	D11-GO	16	WH	1661209C1	E	D130A	16	PK	1661209C1	F	D620A	16	RD	1661209C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																
A	D3EP(+)	18	DKBL	1661208C1																																
B	D3EN(-)	18	GY	1661208C1																																
C	D140A	16	RD	1661209C1																																
D	D11-GO	16	WH	1661209C1																																
E	D130A	16	PK	1661209C1																																
F	D620A	16	RD	1661209C1																																
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>MAY07</td> <td>REVISED &amp; REDRAWN</td> <td>A</td> <td>60782A</td> <td>U00K640</td> <td>42/43/44/85/8600 &amp; 73/74/7500 CIRC DIAGRAMS</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 59974G</td> <td>DATE 15SEP06    PART NO. AE08-56619    SHEET 56</td> </tr> </tbody> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	9	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS						RELEASE NO. 59974G	DATE 15SEP06    PART NO. AE08-56619    SHEET 56														
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																														
9	MAY07	REVISED & REDRAWN	A	60782A	U00K640	42/43/44/85/8600 & 73/74/7500 CIRC DIAGRAMS																														
					RELEASE NO. 59974G	DATE 15SEP06    PART NO. AE08-56619    SHEET 56																														

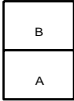
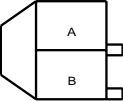
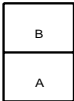
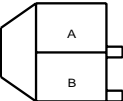

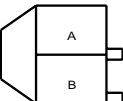
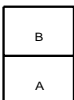
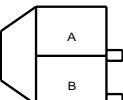
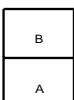
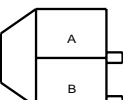
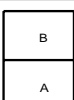
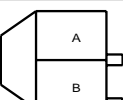
Figure 308 Connector Composites (2700), (2700M)



13.63. CONNECTOR COMPOSITES (2701), (2701F), (2701G), (2702), P. 57



**13.64. CONNECTOR COMPOSITES (2990), (2991), (2992), (2993), (2994), (2995), (2996), (2997), (2998), (2999), (3000), (3001), P. 57A**

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																											
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																											
<p>CONNECTOR 1661260C1 BODY LOCK 1661264C1</p>  <p style="text-align: center;">SEATBELT SWITCH</p> <p style="text-align: center;">(2990)(LOCATED AT REAR CENTER SEATBELT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GFA</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>D11-GF</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GFA	18	WH	1661262C1	B	D11-GF	18	WH	1661262C1	<p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>  <p style="text-align: center;">SEAT SWITCH</p> <p style="text-align: center;">(2991)(LOCATED AT REAR CENTER SEAT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GMA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D11-GM</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GMA	18	WH	1661261C1	B	D11-GM	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GFA	18	WH	1661262C1																											
B	D11-GF	18	WH	1661262C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GMA	18	WH	1661261C1																											
B	D11-GM	18	WH	1661261C1																											
<p>CONNECTOR 1661260C1 BODY LOCK 1661264C1</p>  <p style="text-align: center;">SEATBELT SWITCH</p> <p style="text-align: center;">(2993)(LOCATED AT RIGHT REAR SEATBELT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GEA</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>D11-GE</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GEA	18	WH	1661262C1	B	D11-GE	18	WH	1661262C1	<p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>  <p style="text-align: center;">SEAT SWITCH</p> <p style="text-align: center;">(2992)(LOCATED AT RIGHT REAR SEAT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GLA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D11-GL</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GLA	18	WH	1661261C1	B	D11-GL	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GEA	18	WH	1661262C1																											
B	D11-GE	18	WH	1661262C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GLA	18	WH	1661261C1																											
B	D11-GL	18	WH	1661261C1																											
<p>CONNECTOR 1661260C1 BODY LOCK 1661264C1</p>  <p style="text-align: center;">SEATBELT SWITCH</p> <p style="text-align: center;">(2995)(LOCATED AT LEFT REAR SEATBELT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GDA</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>D11-GD</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GDA	18	WH	1661262C1	B	D11-GD	18	WH	1661262C1	<p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>  <p style="text-align: center;">SEAT SWITCH</p> <p style="text-align: center;">(2994)(LOCATED AT LEFT REAR SEAT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GKA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D11-GK</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GKA	18	WH	1661261C1	B	D11-GK	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GDA	18	WH	1661262C1																											
B	D11-GD	18	WH	1661262C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GKA	18	WH	1661261C1																											
B	D11-GK	18	WH	1661261C1																											
<p>CONNECTOR 1661260C1 BODY LOCK 1661264C1</p>  <p style="text-align: center;">SEATBELT SWITCH</p> <p style="text-align: center;">(2997)(LOCATED AT DRIVER'S SEATBELT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GAA</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>D11-GA</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GAA	18	WH	1661262C1	B	D11-GA	18	WH	1661262C1	<p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>  <p style="text-align: center;">SEAT SWITCH</p> <p style="text-align: center;">(2996)(LOCATED AT DRIVER'S SEAT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GGA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D11-GG</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GGA	18	WH	1661261C1	B	D11-GG	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GAA	18	WH	1661262C1																											
B	D11-GA	18	WH	1661262C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GGA	18	WH	1661261C1																											
B	D11-GG	18	WH	1661261C1																											
<p>CONNECTOR 1661260C1 BODY LOCK 1661264C1</p>  <p style="text-align: center;">SEATBELT SWITCH</p> <p style="text-align: center;">(2999)(LOCATED AT PASSENGER'S SEATBELT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GBA</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>D11-GB</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GBA	18	WH	1661262C1	B	D11-GB	18	WH	1661262C1	<p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>  <p style="text-align: center;">SEAT SWITCH</p> <p style="text-align: center;">(2998)(LOCATED AT PASSENGER'S SEAT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GHA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D11-GH</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GHA	18	WH	1661261C1	B	D11-GH	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GBA	18	WH	1661262C1																											
B	D11-GB	18	WH	1661262C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GHA	18	WH	1661261C1																											
B	D11-GH	18	WH	1661261C1																											
<p>CONNECTOR 1661260C1 BODY LOCK 1661264C1</p>  <p style="text-align: center;">SEATBELT SWITCH</p> <p style="text-align: center;">(3000)(LOCATED AT FRONT CENTER SEATBELT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GCA</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> <tr> <td>B</td> <td>D11-GC</td> <td>18</td> <td>WH</td> <td>1661262C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GCA	18	WH	1661262C1	B	D11-GC	18	WH	1661262C1	<p>CONNECTOR 1661259C1 BODY LOCK 1661263C1</p>  <p style="text-align: center;">SEAT SWITCH</p> <p style="text-align: center;">(3001)(LOCATED AT FRONT CENTER SEAT)</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>D11-GJA</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> <tr> <td>B</td> <td>D11-GJ</td> <td>18</td> <td>WH</td> <td>1661261C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	D11-GJA	18	WH	1661261C1	B	D11-GJ	18	WH	1661261C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GCA	18	WH	1661262C1																											
B	D11-GC	18	WH	1661262C1																											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																											
A	D11-GJA	18	WH	1661261C1																											
B	D11-GJ	18	WH	1661261C1																											
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																									
IJWB	06APR09	IJWB/PMH4/INITIAL	A	61976B	U00PMH4	CIRCUIT DIAGRAM.																									
	RELEASE.				RELEASE NO.	DATE																									
					61976B	03APR09																									
						PART NO.																									
						AE08056619																									
						SHEET																									
						57A																									

**Figure 310 Connector Composites (2990), (2991), (2992), (2993), (2994), (2995), (2996), (2997), (2998), (2999), (3000), (3001)**

13.65. CONNECTOR COMPOSITES (2703), (3000), (3002), (3003), P. 58

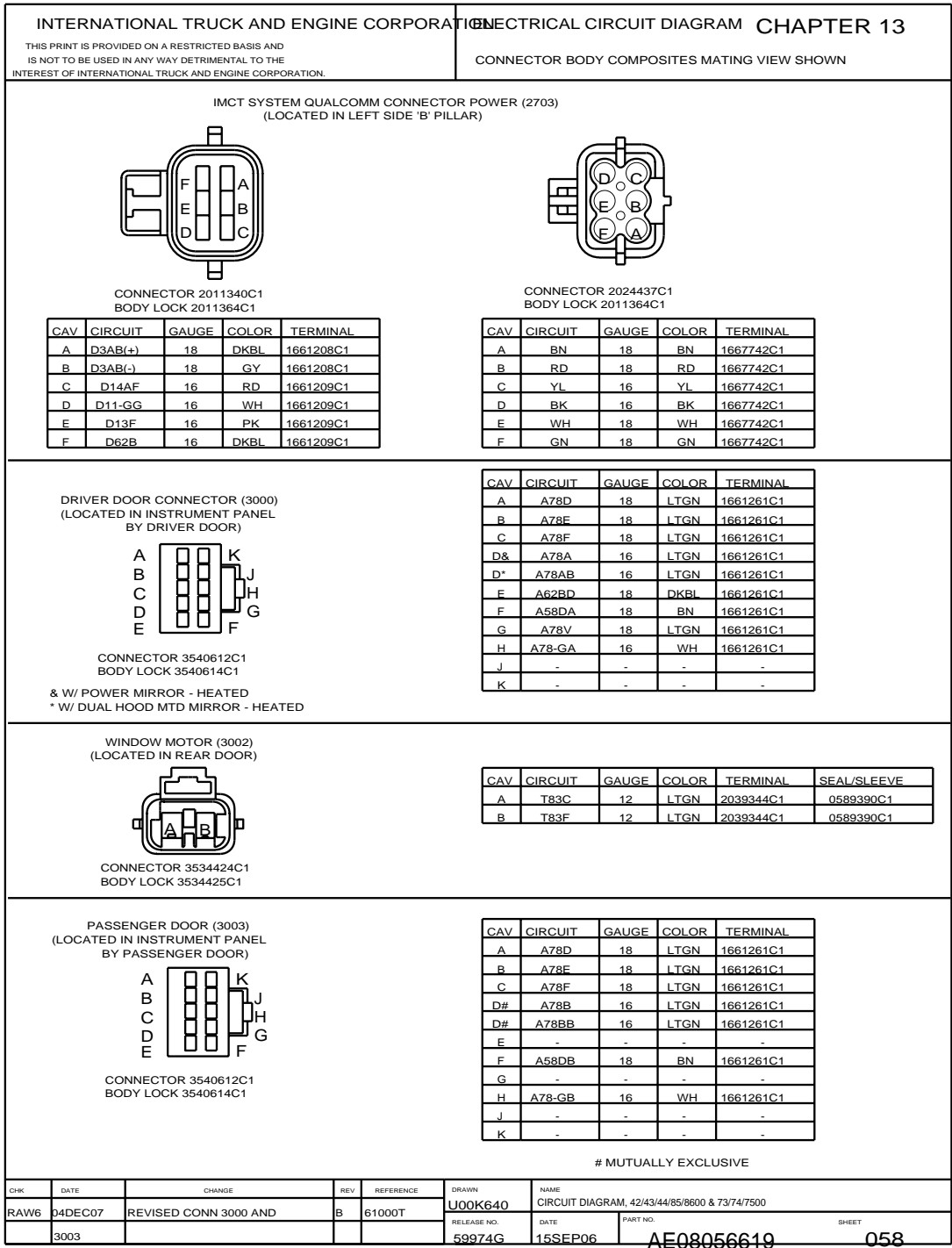


Figure 311 Connector Composites (2703), (3000), (3002), (3003)

13.66. CONNECTOR COMPOSITES (3100), (3200), (3201), P. 59

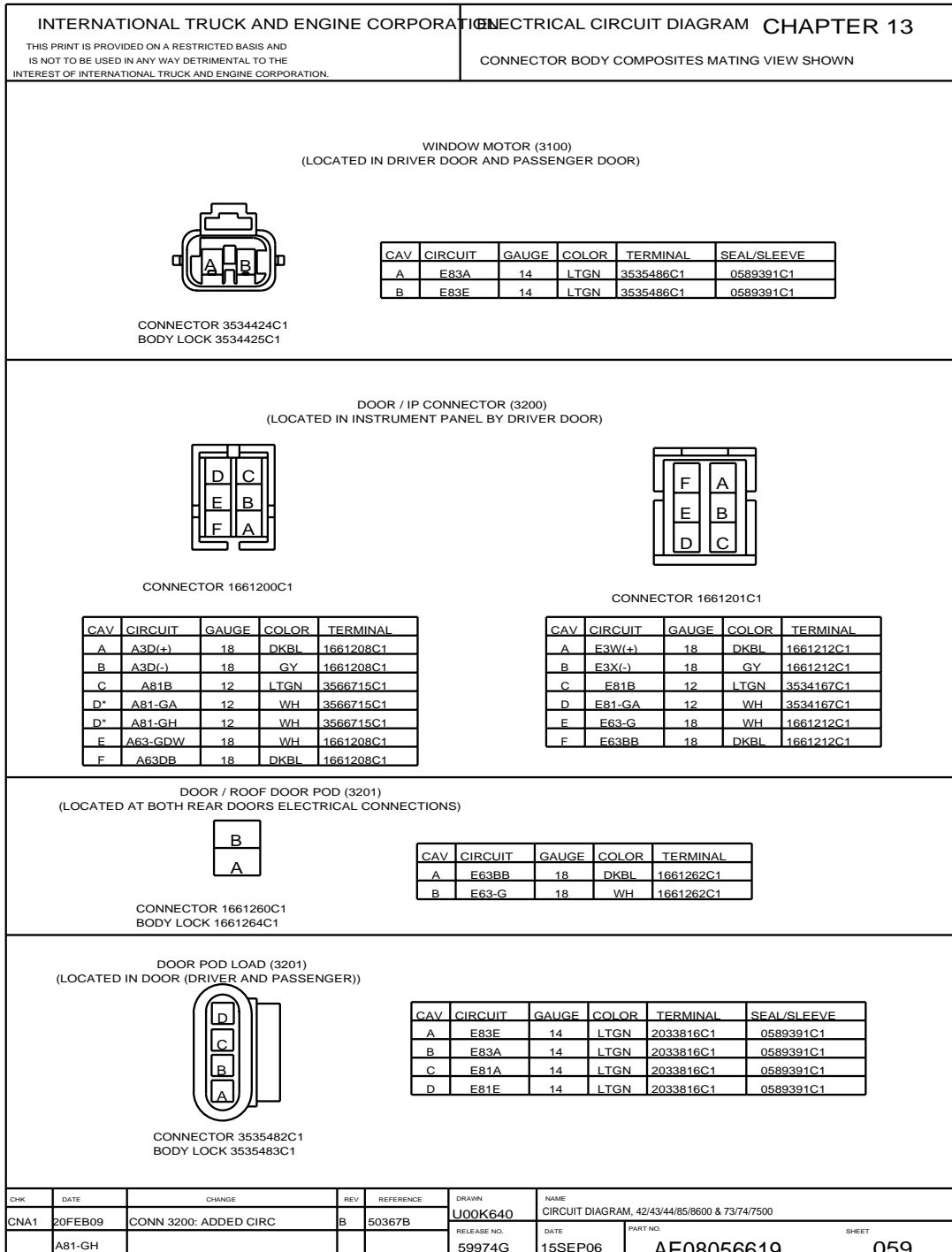


Figure 312 Connector Composites (3100), (3200), (3201)

13.67. CONNECTOR COMPOSITES (3202), (3203), (3204), (3208), P. 60

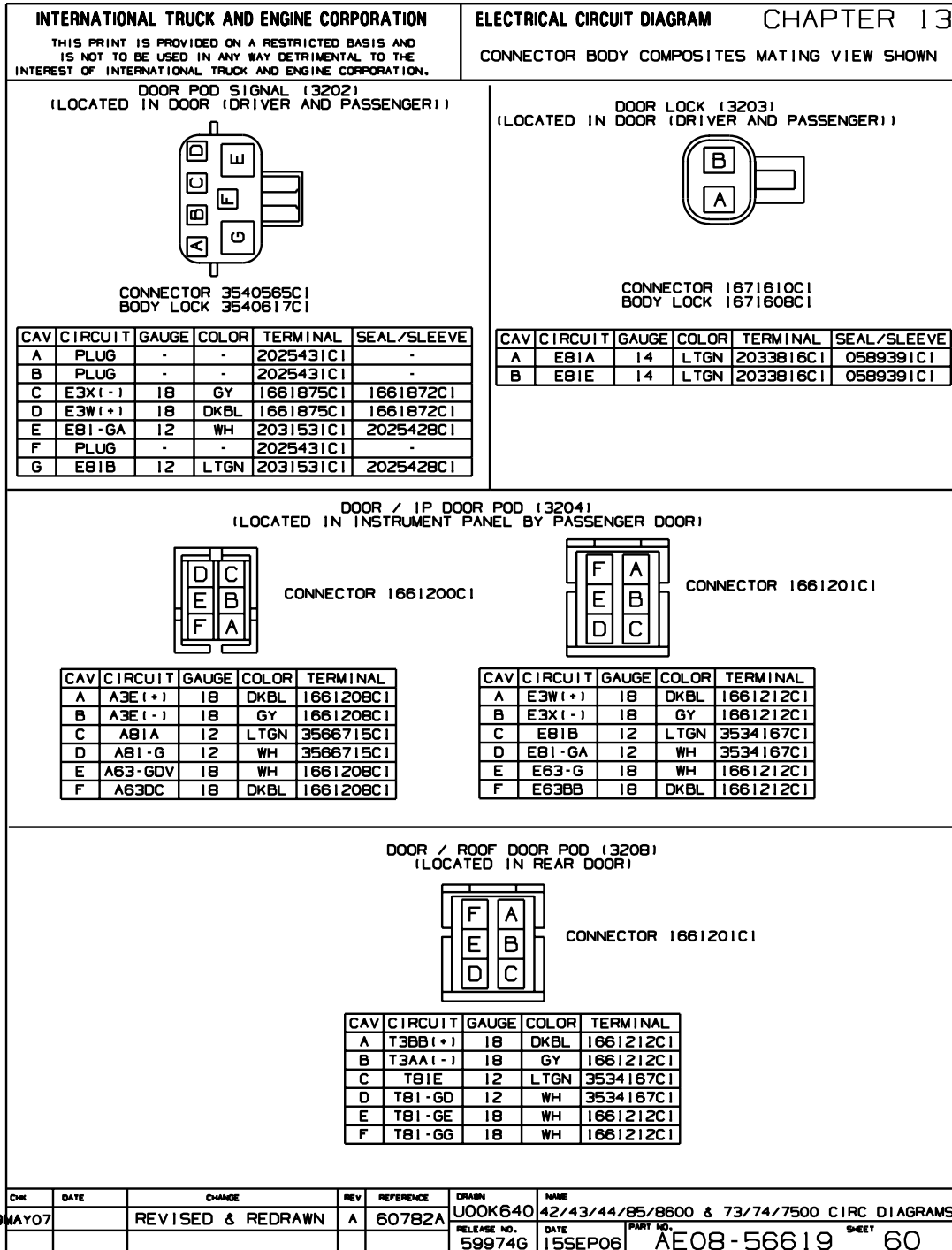


Figure 313 Connector Composites (3202), (3203), (3204), (3208)

13.68. CONNECTOR COMPOSITES (3209), (3210), (3211), (3400), (4003), (4004), P. 61

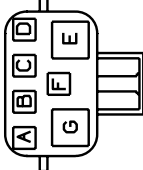
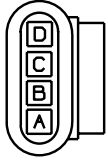
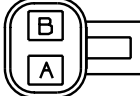

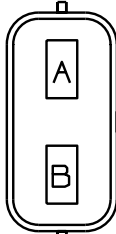
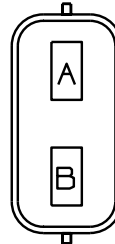
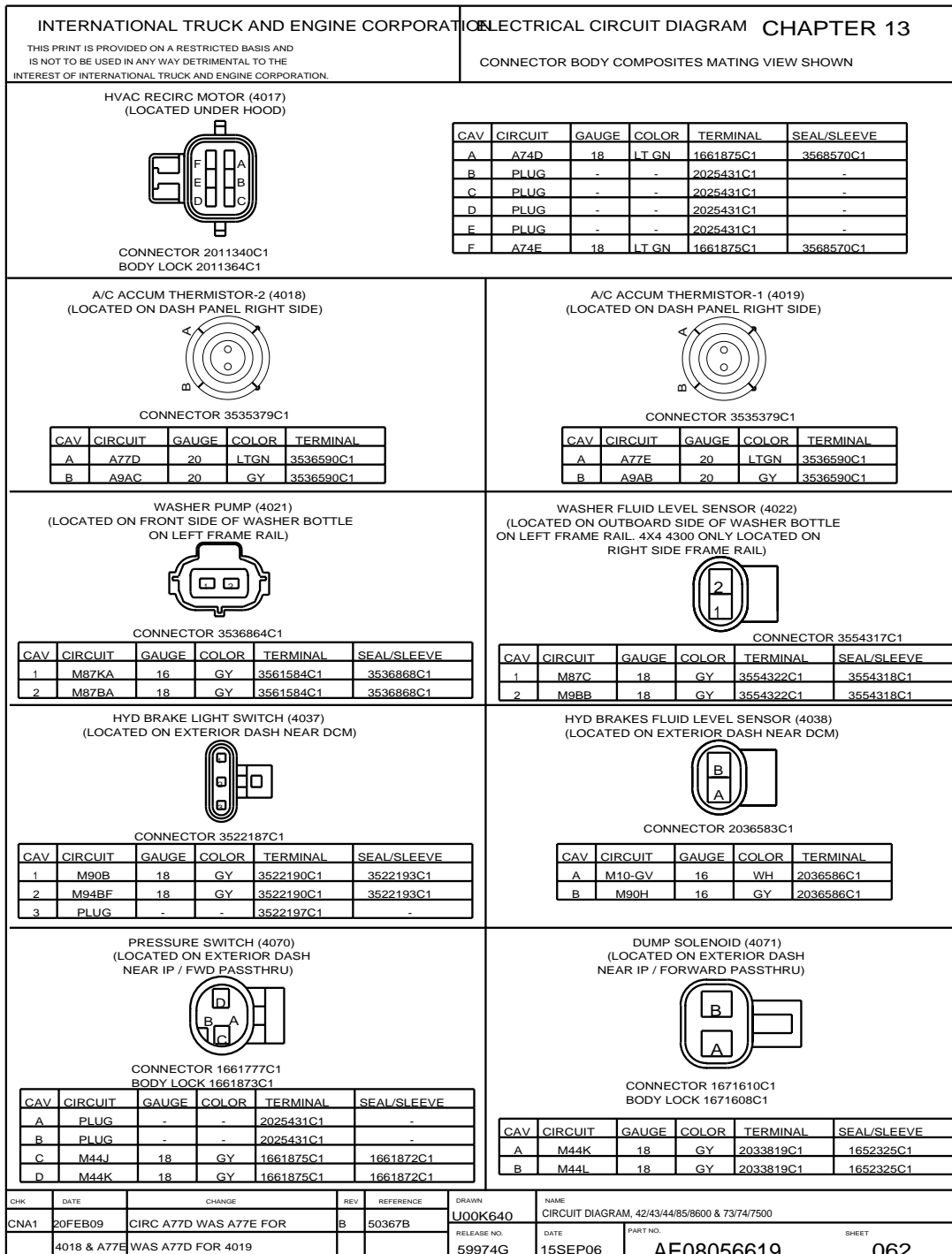
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN	
DOOR POD SIGNAL (3209) (LOCATED IN REAR DOOR)			DOOR POD LOAD (3210) (LOCATED IN REAR DOOR)		
					
CONNECTOR 3540565C BODY LOCK 3540617C			CONNECTOR 3535482C BODY LOCK 3535483C		
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	T81-GE	18	WH	1661875C	1661872C
B	T81-GG	18	WH	1661875C	1661872C
C	T3AA(-)	18	GY	1661875C	1661872C
D	T3BB(+)	18	DKBL	1661875C	1661872C
E	T81-GD	12	WH	2031531C	2025428C
F	PLUG	-	-	2025431C	-
G	T81E	12	LTGN	2031531C	2025428C
DOOR LOCK DOOR POD (3211) (LOCATED IN REAR DOOR)			COURTESY LIGHT (3400) (LOCATED IN DOOR (DRIVER AND PASSENGER))		
					
CONNECTOR 1671610C BODY LOCK 1671608C			CONNECTOR 1661259C BODY LOCK 1661263C		
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	T81C	12	LT GN	2033816C	0589390C
B	T81F	12	LT GN	2033816C	0589390C
MAXI FUSE HOLDER (4004)			MAXI FUSE HOLDER (4003)		
					
			• MUTUALLY EXCLUSIVE ½ W / LACTRASHIFT & W / 40A AUX CIRCUIT # W / 30A AUX CIRCUIT		
CONNECTOR 3525613C			CONNECTOR 3525613C		
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	M14L	10	RD	3515526C	3515525C
A*	M14L	12	RD	3614762C	3541256C
B&	M103C	12	LTGN	3614762C	3541256C
B½	M14LP	10	RD	3515526C	3515525C
B#	M14WB	12	RD	3614762C	3541256C
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	A14BA	8	RD	3525614C	3515525C
B	A14BB	8	RD	3525614C	3515525C
DWT	DATE	CHANGE	REV	REFERENCE	DRAWN
01MAY07		REVISED & REDRAWN	A	60782A	U00K640
				NAME	42/43/44/B5/B600 & 73/74/7500 CIRC DIAGRAMS
				RELEASE NO.	59974G
				DATE	15SEP06
				PART NO.	AE08-56619
				SHEET	61

Figure 314 Connector Composites (3209), (3210), (3211), (3400), (4003), (4004)

**13.69. CONNECTOR COMPOSITES (4017), (4018), (4019), (4021), (4022), (4037), (4038), (4070), (4071), P. 62**



**Figure 315 Connector Composites (4017), (4018), (4019), (4021), (4022), (4037), (4038), (4070), (4071)**

13.70. CONNECTOR COMPOSITES (4087/4087A), (4111M), (4120), P. 63

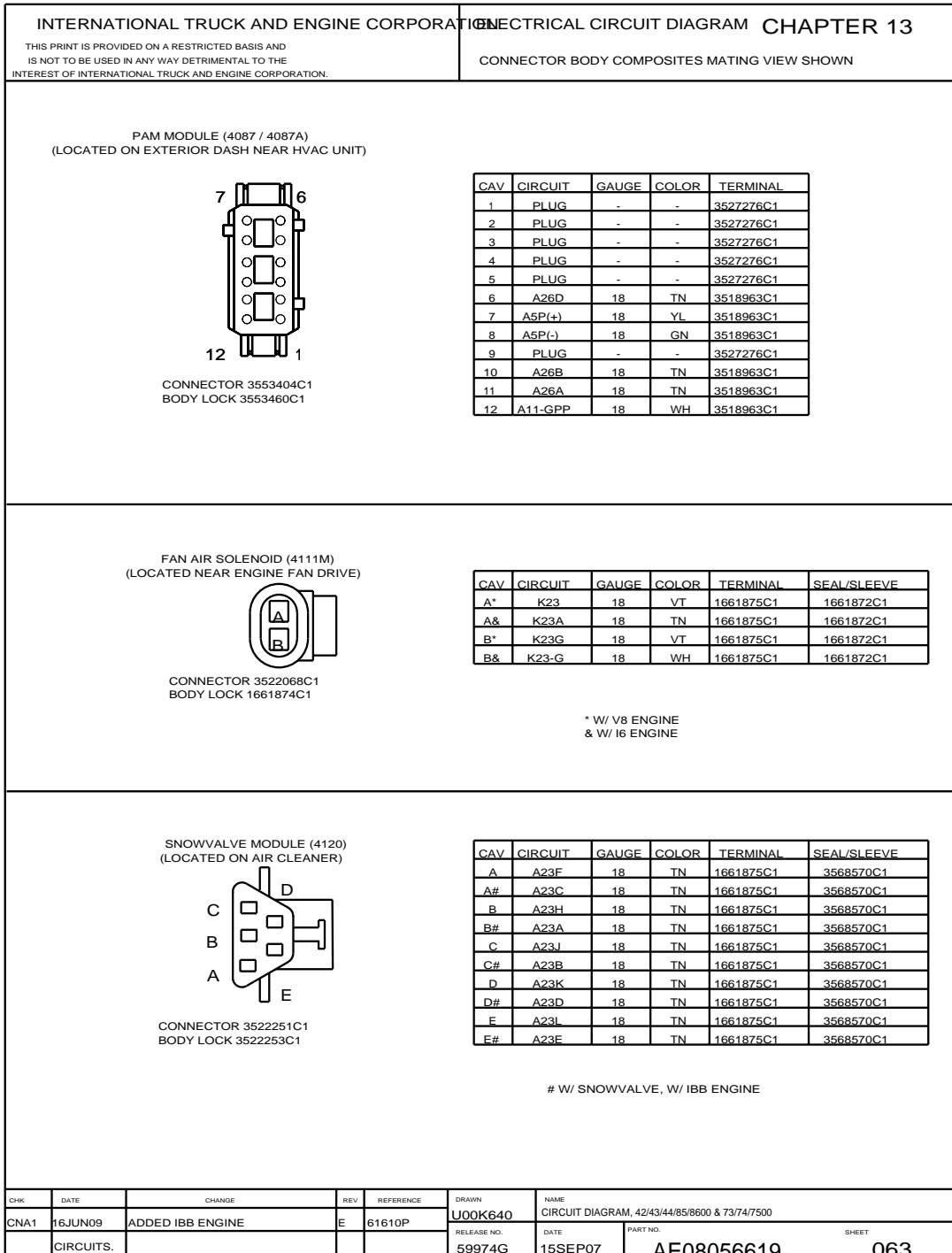


Figure 316 Connector Composites (4087/4087A), (4111M), (4120)



13.71. CONNECTOR COMPOSITES (4328), (4410D), (4410E), P. 64


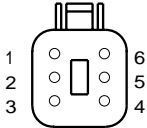
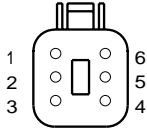
<p>INTERNATIONAL TRUCK AND ENGINE CORPORATION</p> <p style="font-size: small;">THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</p>	<p>ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13</p> <p>CONNECTOR BODY COMPOSITES MATING VIEW SHOWN</p>																																			
<p>ENGINE DIAGNOSTICS CONNECTOR (4328)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K98YL6</td> <td>18</td> <td>YL</td> <td>3572626C1</td> </tr> <tr> <td>B</td> <td>K98GN6</td> <td>18</td> <td>GN</td> <td>3572626C1</td> </tr> <tr> <td>C</td> <td>K91A</td> <td>18</td> <td>VT</td> <td>3572626C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; font-size: small;">CONNECTOR 3602454C1 BODY LOCK 1655705C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A	K98YL6	18	YL	3572626C1	B	K98GN6	18	GN	3572626C1	C	K91A	18	VT	3572626C1															
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																
A	K98YL6	18	YL	3572626C1																																
B	K98GN6	18	GN	3572626C1																																
C	K91A	18	VT	3572626C1																																
<p>REMOTE POWER MODULE DATALINK &amp; LOGIC POWER (4410D) (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0453133C1</td> </tr> <tr> <td>2</td> <td>N10-GR</td> <td>14</td> <td>WH</td> <td>2034787C1</td> </tr> <tr> <td>3</td> <td>N5E(+)</td> <td>18</td> <td>YL</td> <td>1680205C1</td> </tr> <tr> <td>4</td> <td>N5E(-)</td> <td>18</td> <td>GN</td> <td>1680205C1</td> </tr> <tr> <td>5</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0453133C1</td> </tr> <tr> <td>6</td> <td>N20</td> <td>16</td> <td>LTGN</td> <td>1680205C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; font-size: small;">CONNECTOR 3572899C1 BODY LOCK 2005242C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	0453133C1	2	N10-GR	14	WH	2034787C1	3	N5E(+)	18	YL	1680205C1	4	N5E(-)	18	GN	1680205C1	5	PLUG	-	-	0453133C1	6	N20	16	LTGN	1680205C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																
1	PLUG	-	-	0453133C1																																
2	N10-GR	14	WH	2034787C1																																
3	N5E(+)	18	YL	1680205C1																																
4	N5E(-)	18	GN	1680205C1																																
5	PLUG	-	-	0453133C1																																
6	N20	16	LTGN	1680205C1																																
<p>REMOTE POWER MODULE (4410E) DATALINK &amp; LOGIC POWER (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)</p> <div style="display: flex; justify-content: space-around; align-items: center;">  <table border="1" style="border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0453133C1</td> </tr> <tr> <td>2</td> <td>N10-GP</td> <td>14</td> <td>WH</td> <td>2034787C1</td> </tr> <tr> <td>3</td> <td>N5F(+)</td> <td>18</td> <td>YL</td> <td>3572625C1</td> </tr> <tr> <td>4</td> <td>N5F(-)</td> <td>18</td> <td>GN</td> <td>3572625C1</td> </tr> <tr> <td>5</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>0453133C1</td> </tr> <tr> <td>6</td> <td>N20A</td> <td>16</td> <td>LTGN</td> <td>1680205C1</td> </tr> </tbody> </table> </div> <p style="text-align: center; font-size: small;">CONNECTOR 3572899C1 BODY LOCK 2005242C1</p>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	0453133C1	2	N10-GP	14	WH	2034787C1	3	N5F(+)	18	YL	3572625C1	4	N5F(-)	18	GN	3572625C1	5	PLUG	-	-	0453133C1	6	N20A	16	LTGN	1680205C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																
1	PLUG	-	-	0453133C1																																
2	N10-GP	14	WH	2034787C1																																
3	N5F(+)	18	YL	3572625C1																																
4	N5F(-)	18	GN	3572625C1																																
5	PLUG	-	-	0453133C1																																
6	N20A	16	LTGN	1680205C1																																
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td>CNA1</td> <td>20FEB09</td> <td>REMOVED CONN 4321,</td> <td>C</td> <td>50367B</td> <td>U00K640</td> <td>CIRCUIT DIAGRAM, 42/43/44/85/8600 &amp; 73/74/7500</td> </tr> <tr> <td></td> <td>4322 &amp; 4323</td> <td></td> <td></td> <td></td> <td>59974G</td> <td>DATE: 15SEP06 PART NO: AE08056619 SHEET: 064</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	20FEB09	REMOVED CONN 4321,	C	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500		4322 & 4323				59974G	DATE: 15SEP06 PART NO: AE08056619 SHEET: 064														
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																														
CNA1	20FEB09	REMOVED CONN 4321,	C	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																														
	4322 & 4323				59974G	DATE: 15SEP06 PART NO: AE08056619 SHEET: 064																														

Figure 317 Connector Composites (4328), (4410D), (4410E)

13.72. CONNECTOR COMPOSITES (4410F), (4410H), (4410K), (4410L), (4410M), P. 65

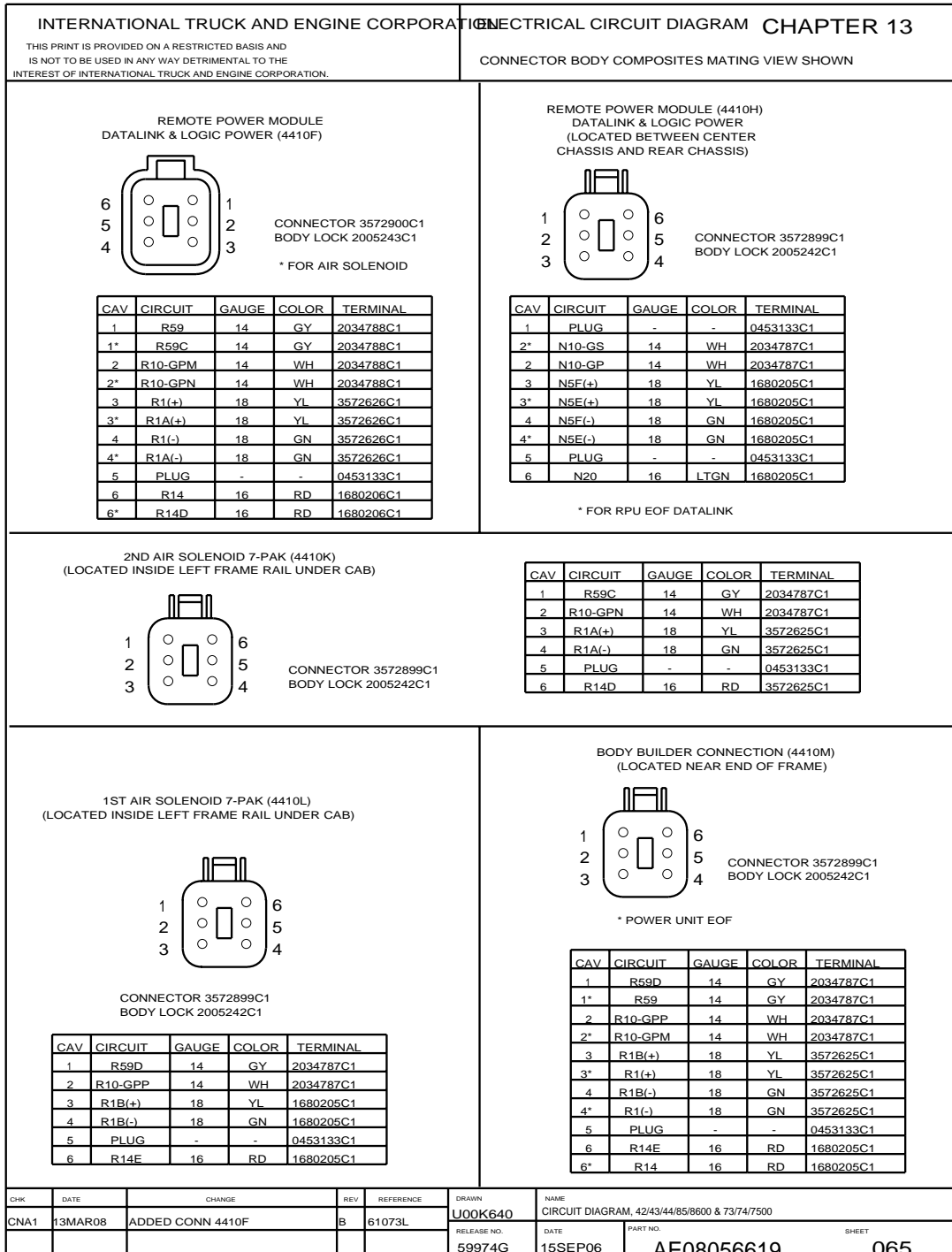
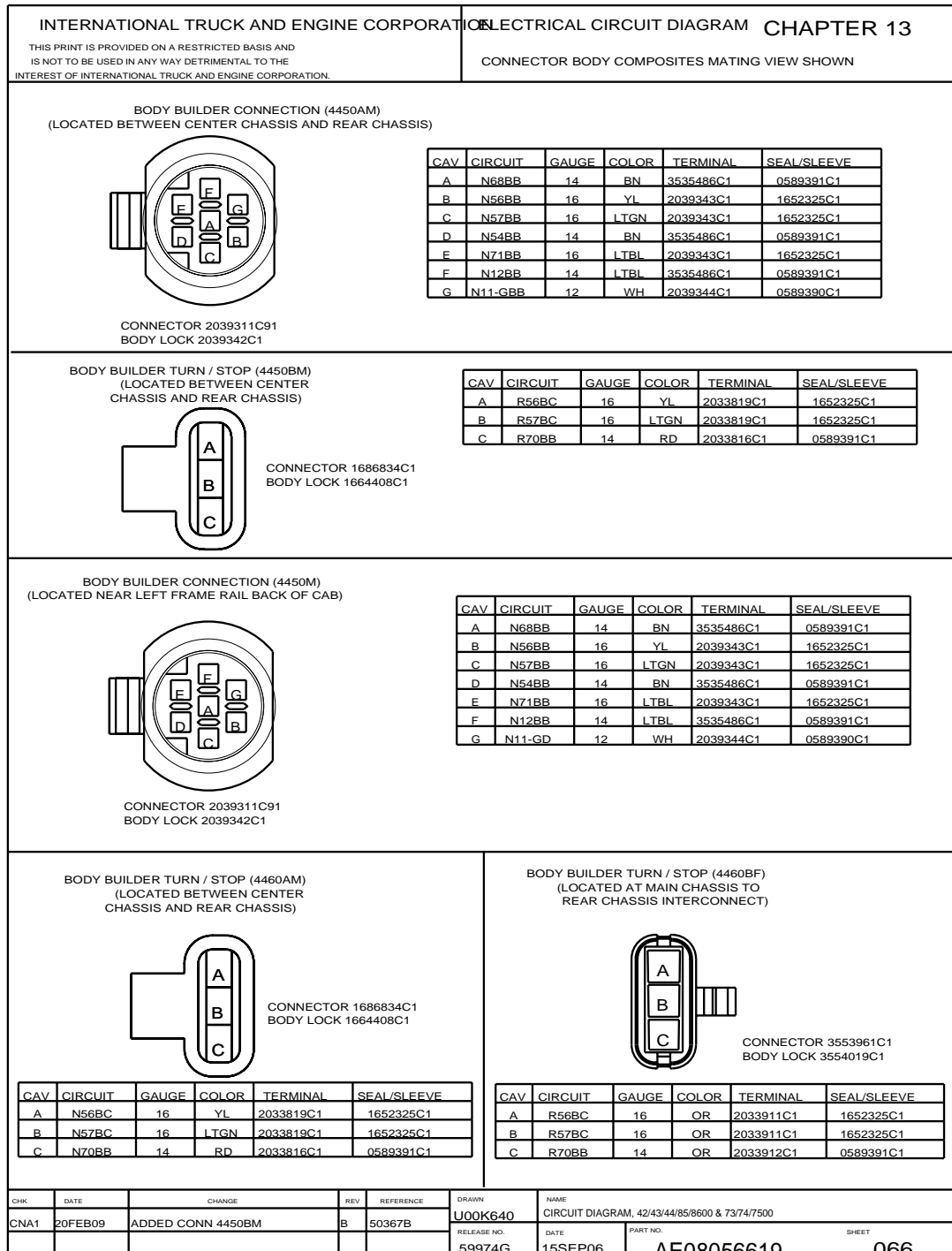


Figure 318 Connector Composites (4410F), (4410H), (4410K), (4410L), (4410M)

**13.73. CONNECTOR COMPOSITES (4450AM), (4450BM), (4450M), (4460AM), (4460BF),  
 P. 66**



**Figure 319 Connector Composites (4450AM), (4450BM), (4450M), (4460AM), (4460BF)**

13.74. CONNECTOR COMPOSITES (4460BM/4450BF), (4460M), (4500), (4705), P. 67

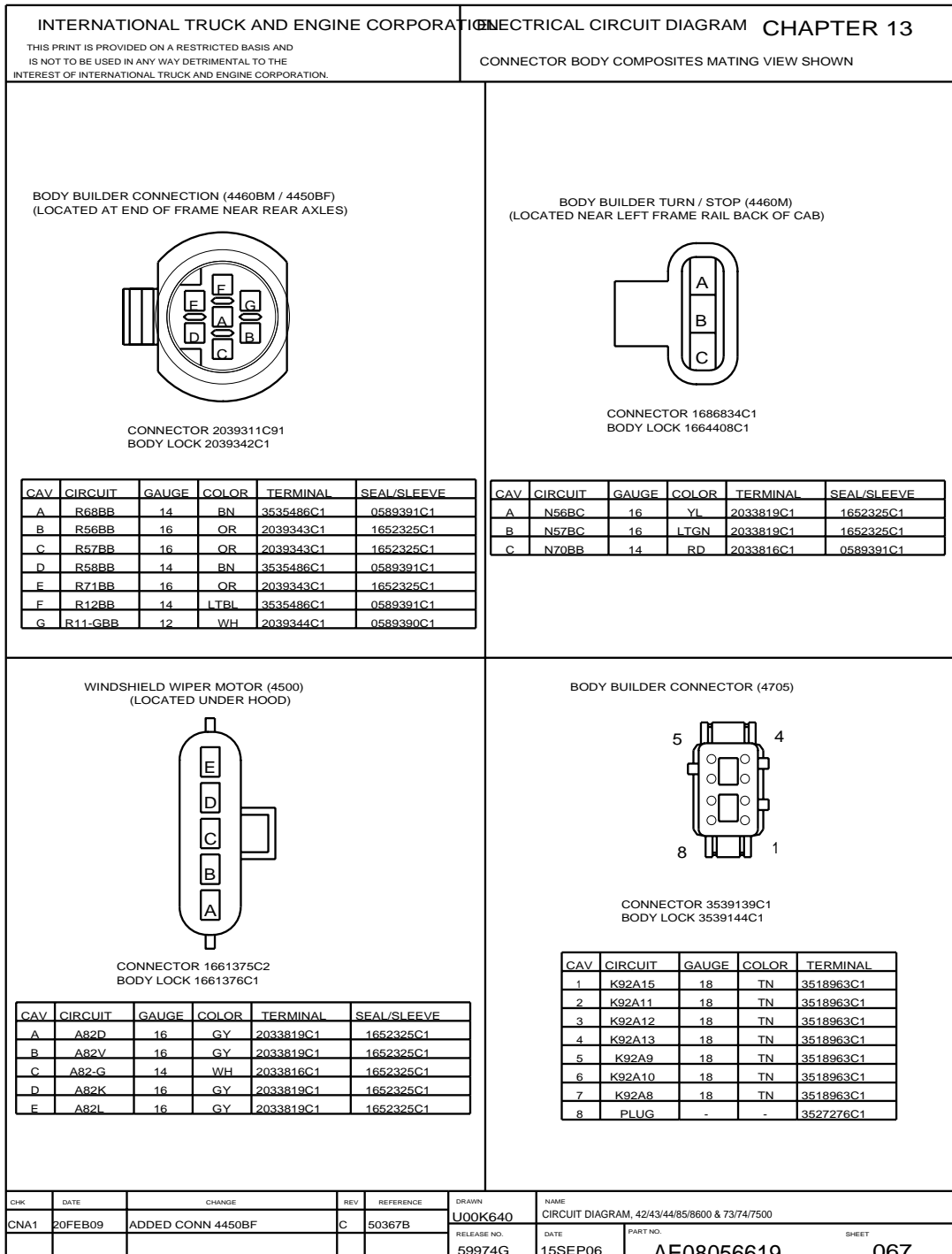


Figure 320 Connector Composites (4460BM/4450BF), (4460M), (4500), (4705)

13.75. CONNECTOR COMPOSITES (4706), (4905), (4906), (4950), (4951), (5117), P. 68

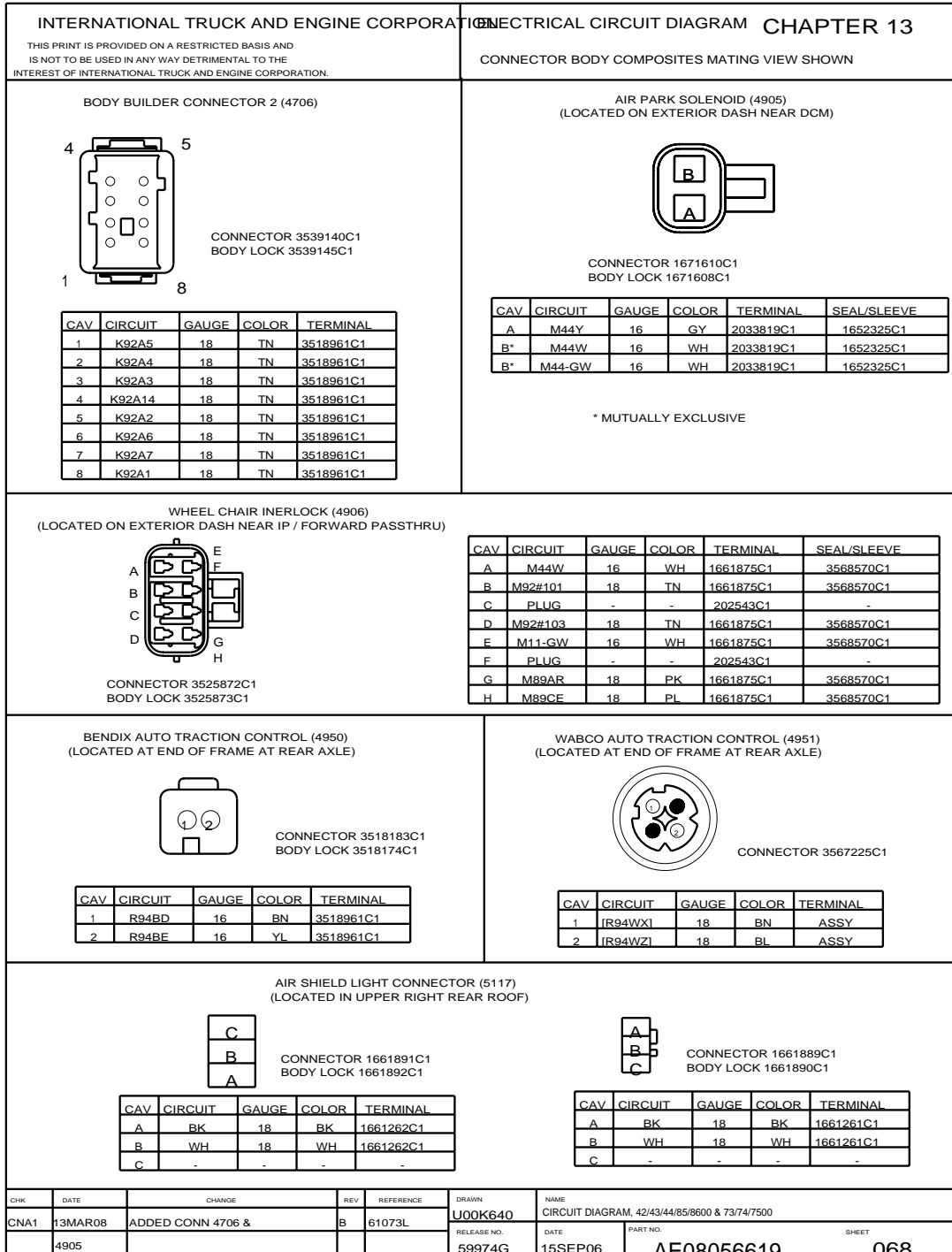


Figure 321 Connector Composites (4706), (4905), (4906), (4950), (4951), (5117)

13.76. CONNECTOR COMPOSITES (6000), (6001), P. 69

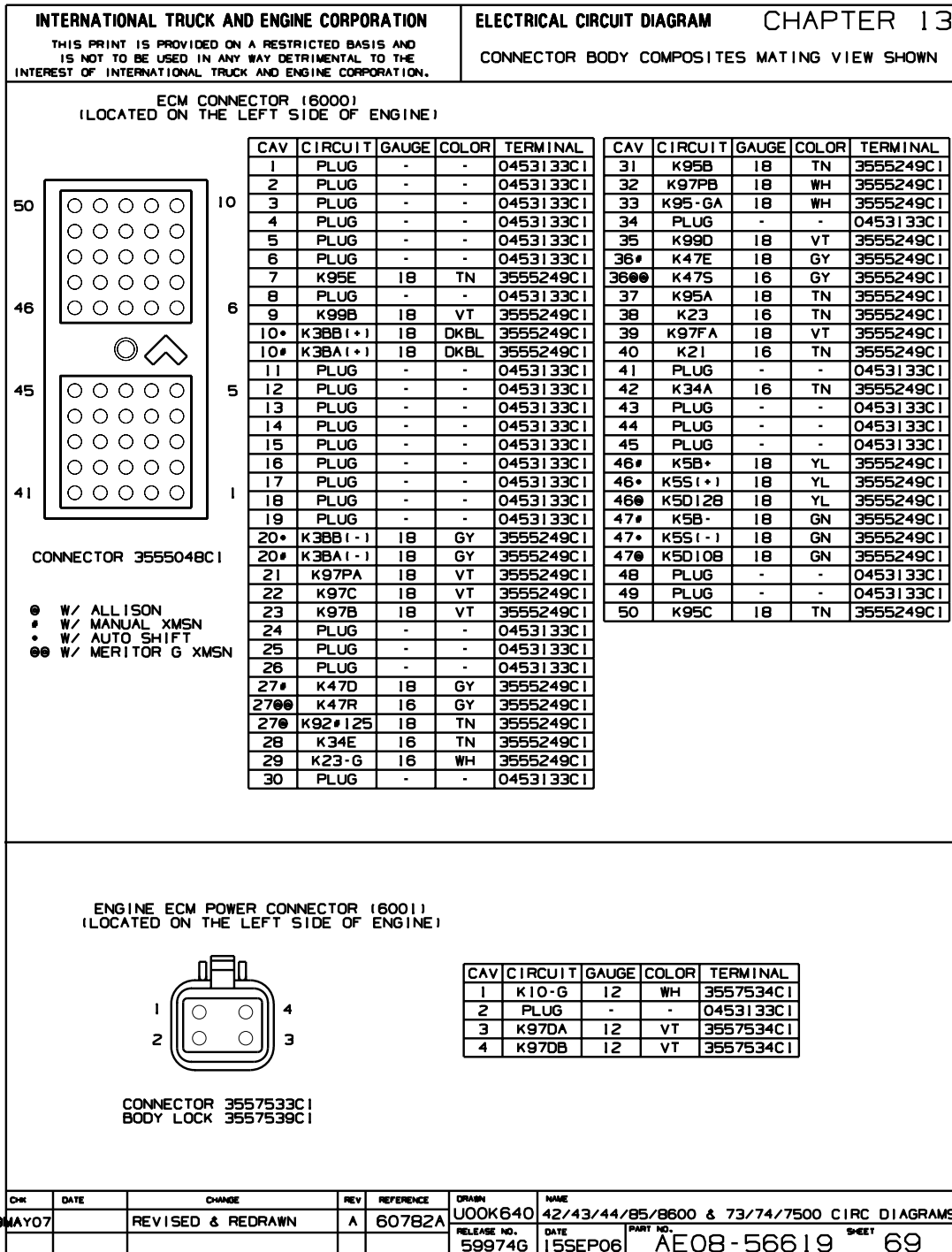


Figure 322 Connector Composites (6000), (6001)

13.77. CONNECTOR COMPOSITES (6010), (6011), P. 70

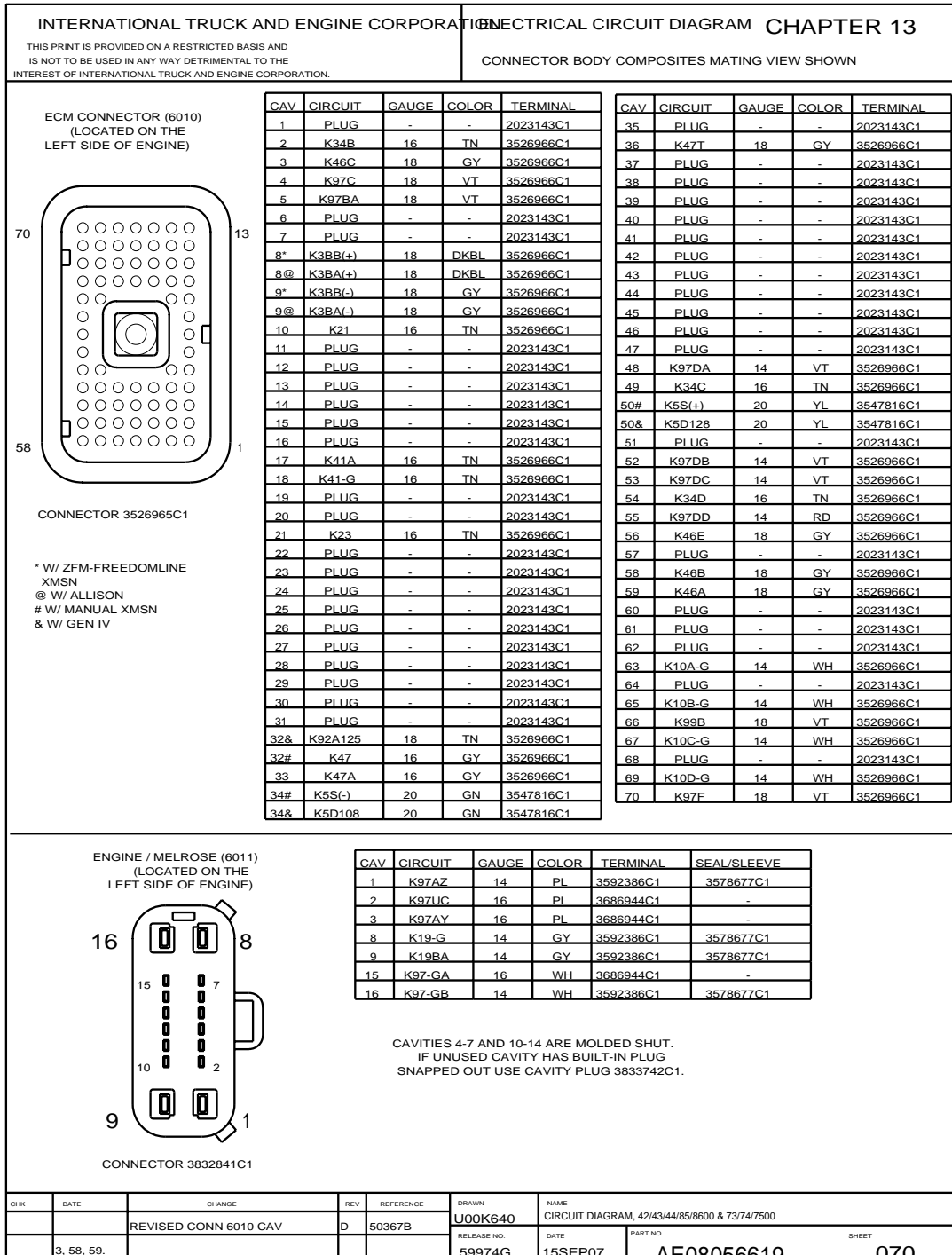


Figure 323 Connector Composites (6010), (6011)

13.78. CONNECTOR COMPOSITES (6018), (6019), (6020), P. 70A

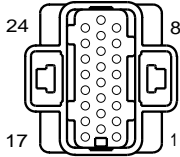
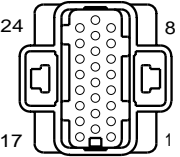
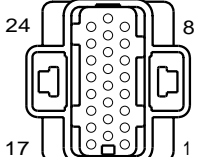
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																																																																																																																																																																																																																														
<p style="text-align: center;">EIM CONNECTOR (6018)</p>  <p style="text-align: center;">CONNECTOR 3803077C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>2</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>5</td><td>K92A2</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>6</td><td>K34-GB</td><td>18</td><td>WH</td><td>3562314C1</td></tr> <tr><td>7</td><td>K41</td><td>16</td><td>TN</td><td>3562315C1</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>13</td><td>K21B3</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>14</td><td>K34BA</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>16</td><td>K92A1</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>17</td><td>K21TN1</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>18*</td><td>K23</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>18@</td><td>K23</td><td>16</td><td>TN</td><td>3562315C1</td></tr> <tr><td>19</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>20</td><td>K92A5</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>21</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>22</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> </tbody> </table> <p style="text-align: center;">* W/ VARIABLE SPEED FAN @ W/ TWO SPEED FAN</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	3562316C1	2	PLUG	-	-	3562316C1	3	PLUG	-	-	3562316C1	4	PLUG	-	-	3562316C1	5	K92A2	18	TN	3562314C1	6	K34-GB	18	WH	3562314C1	7	K41	16	TN	3562315C1	8	PLUG	-	-	3562316C1	9	PLUG	-	-	3562316C1	10	PLUG	-	-	3562316C1	11	PLUG	-	-	3562316C1	12	PLUG	-	-	3562316C1	13	K21B3	18	TN	3562314C1	14	K34BA	18	TN	3562314C1	15	PLUG	-	-	3562316C1	16	K92A1	18	TN	3562314C1	17	K21TN1	18	TN	3562314C1	18*	K23	18	TN	3562314C1	18@	K23	16	TN	3562315C1	19	PLUG	-	-	3562316C1	20	K92A5	18	TN	3562314C1	21	PLUG	-	-	3562316C1	22	PLUG	-	-	3562316C1	23	PLUG	-	-	3562316C1	24	PLUG	-	-	3562316C1	<p style="text-align: center;">EIM CONNECTOR (6019)</p>  <p style="text-align: center;">CONNECTOR 3803078C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>2</td><td>K23C</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>3</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>4</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>5</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>6</td><td>K98YL5</td><td>18</td><td>YL</td><td>3562314C1</td></tr> <tr><td>7</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>10</td><td>K92A6</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>11</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>12</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>13</td><td>K98GN5</td><td>18</td><td>GN</td><td>3562314C1</td></tr> <tr><td>14</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>17</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>18</td><td>K21B1</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>19</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>20</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>21</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>22</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	3562316C1	2	K23C	18	TN	3562314C1	3	PLUG	-	-	3562316C1	4	PLUG	-	-	3562316C1	5	PLUG	-	-	3562316C1	6	K98YL5	18	YL	3562314C1	7	PLUG	-	-	3562316C1	8	PLUG	-	-	3562316C1	9	PLUG	-	-	3562316C1	10	K92A6	18	TN	3562314C1	11	PLUG	-	-	3562316C1	12	PLUG	-	-	3562316C1	13	K98GN5	18	GN	3562314C1	14	PLUG	-	-	3562316C1	15	PLUG	-	-	3562316C1	16	PLUG	-	-	3562316C1	17	PLUG	-	-	3562316C1	18	K21B1	18	TN	3562314C1	19	PLUG	-	-	3562316C1	20	PLUG	-	-	3562316C1	21	PLUG	-	-	3562316C1	22	PLUG	-	-	3562316C1	23	PLUG	-	-	3562316C1	24	PLUG	-	-	3562316C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																																																																																																																																																																																												
1	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
2	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
3	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
4	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
5	K92A2	18	TN	3562314C1																																																																																																																																																																																																																																																												
6	K34-GB	18	WH	3562314C1																																																																																																																																																																																																																																																												
7	K41	16	TN	3562315C1																																																																																																																																																																																																																																																												
8	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
9	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
10	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
11	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
12	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
13	K21B3	18	TN	3562314C1																																																																																																																																																																																																																																																												
14	K34BA	18	TN	3562314C1																																																																																																																																																																																																																																																												
15	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
16	K92A1	18	TN	3562314C1																																																																																																																																																																																																																																																												
17	K21TN1	18	TN	3562314C1																																																																																																																																																																																																																																																												
18*	K23	18	TN	3562314C1																																																																																																																																																																																																																																																												
18@	K23	16	TN	3562315C1																																																																																																																																																																																																																																																												
19	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
20	K92A5	18	TN	3562314C1																																																																																																																																																																																																																																																												
21	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
22	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
23	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
24	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																																																																																																																																																																																												
1	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
2	K23C	18	TN	3562314C1																																																																																																																																																																																																																																																												
3	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
4	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
5	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
6	K98YL5	18	YL	3562314C1																																																																																																																																																																																																																																																												
7	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
8	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
9	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
10	K92A6	18	TN	3562314C1																																																																																																																																																																																																																																																												
11	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
12	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
13	K98GN5	18	GN	3562314C1																																																																																																																																																																																																																																																												
14	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
15	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
16	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
17	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
18	K21B1	18	TN	3562314C1																																																																																																																																																																																																																																																												
19	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
20	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
21	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
22	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
23	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
24	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
<p style="text-align: center;">EIM CONNECTOR (6020)</p>  <p style="text-align: center;">CONNECTOR 3803079C1</p> <table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>2</td><td>K34C</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>3</td><td>K97F</td><td>18</td><td>VT</td><td>3562314C1</td></tr> <tr><td>4</td><td>K34D</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>5</td><td>K97A1</td><td>18</td><td>VT</td><td>3562314C1</td></tr> <tr><td>6</td><td>K92A16</td><td>16</td><td>WH</td><td>3562315C1</td></tr> <tr><td>7</td><td>K92B16</td><td>16</td><td>WH</td><td>3562315C1</td></tr> <tr><td>8</td><td>K97A2</td><td>18</td><td>VT</td><td>3562314C1</td></tr> <tr><td>9</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>10</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>11</td><td>K92A8</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>12*</td><td>K5S(+)</td><td>18</td><td>YL</td><td>3562314C1</td></tr> <tr><td>12@</td><td>K5S128</td><td>18</td><td>YL</td><td>3562314C1</td></tr> </tbody> </table> <p style="text-align: center;">* W/ MANUAL AUTOSHIFT &amp; ULTRASHIFT, MERITOR G XMSN @ W/ ALLISON XMSN # MUTUALLY EXCLUSIVE</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	PLUG	-	-	3562316C1	2	K34C	18	TN	3562314C1	3	K97F	18	VT	3562314C1	4	K34D	18	TN	3562314C1	5	K97A1	18	VT	3562314C1	6	K92A16	16	WH	3562315C1	7	K92B16	16	WH	3562315C1	8	K97A2	18	VT	3562314C1	9	PLUG	-	-	3562316C1	10	PLUG	-	-	3562316C1	11	K92A8	18	TN	3562314C1	12*	K5S(+)	18	YL	3562314C1	12@	K5S128	18	YL	3562314C1	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>13*</td><td>K5S(-)</td><td>18</td><td>GN</td><td>3562314C1</td></tr> <tr><td>13@</td><td>K5S108</td><td>18</td><td>GN</td><td>3562314C1</td></tr> <tr><td>14</td><td>K92A9</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>15</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>16</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>17#</td><td>K92A10</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>17#</td><td>K47T</td><td>18</td><td>GY</td><td>3562314C1</td></tr> <tr><td>18</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>19</td><td>K92A11</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>20</td><td>K92A12</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>21</td><td>K92A13</td><td>18</td><td>TN</td><td>3562314C1</td></tr> <tr><td>22</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>23</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> <tr><td>24</td><td>PLUG</td><td>-</td><td>-</td><td>3562316C1</td></tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	13*	K5S(-)	18	GN	3562314C1	13@	K5S108	18	GN	3562314C1	14	K92A9	18	TN	3562314C1	15	PLUG	-	-	3562316C1	16	PLUG	-	-	3562316C1	17#	K92A10	18	TN	3562314C1	17#	K47T	18	GY	3562314C1	18	PLUG	-	-	3562316C1	19	K92A11	18	TN	3562314C1	20	K92A12	18	TN	3562314C1	21	K92A13	18	TN	3562314C1	22	PLUG	-	-	3562316C1	23	PLUG	-	-	3562316C1	24	PLUG	-	-	3562316C1																																																																																																														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																																																																																																																																																																																												
1	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
2	K34C	18	TN	3562314C1																																																																																																																																																																																																																																																												
3	K97F	18	VT	3562314C1																																																																																																																																																																																																																																																												
4	K34D	18	TN	3562314C1																																																																																																																																																																																																																																																												
5	K97A1	18	VT	3562314C1																																																																																																																																																																																																																																																												
6	K92A16	16	WH	3562315C1																																																																																																																																																																																																																																																												
7	K92B16	16	WH	3562315C1																																																																																																																																																																																																																																																												
8	K97A2	18	VT	3562314C1																																																																																																																																																																																																																																																												
9	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
10	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
11	K92A8	18	TN	3562314C1																																																																																																																																																																																																																																																												
12*	K5S(+)	18	YL	3562314C1																																																																																																																																																																																																																																																												
12@	K5S128	18	YL	3562314C1																																																																																																																																																																																																																																																												
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																																																																																																																																																																																												
13*	K5S(-)	18	GN	3562314C1																																																																																																																																																																																																																																																												
13@	K5S108	18	GN	3562314C1																																																																																																																																																																																																																																																												
14	K92A9	18	TN	3562314C1																																																																																																																																																																																																																																																												
15	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
16	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
17#	K92A10	18	TN	3562314C1																																																																																																																																																																																																																																																												
17#	K47T	18	GY	3562314C1																																																																																																																																																																																																																																																												
18	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
19	K92A11	18	TN	3562314C1																																																																																																																																																																																																																																																												
20	K92A12	18	TN	3562314C1																																																																																																																																																																																																																																																												
21	K92A13	18	TN	3562314C1																																																																																																																																																																																																																																																												
22	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
23	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
24	PLUG	-	-	3562316C1																																																																																																																																																																																																																																																												
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>CHK</td> <td>DATE</td> <td>CHANGE</td> <td>REV</td> <td>REFERENCE</td> <td>DRAWN</td> <td>NAME</td> </tr> <tr> <td>CNA1</td> <td>13MAR08</td> <td>INITIAL RELEASE</td> <td>A</td> <td>61073L</td> <td>300230</td> <td>CIRCUIT DIAGRAM, 42/43/44/85/8600 &amp; 73/74/7500</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO.</td> <td>DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>61073L</td> <td>07FEB08</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO.</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AE08056619</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>70A</td> </tr> </table>		CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	13MAR08	INITIAL RELEASE	A	61073L	300230	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500						RELEASE NO.	DATE						61073L	07FEB08							PART NO.							AE08056619							SHEET							70A																																																																																																																																																																																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																																																																																																																																																																																										
CNA1	13MAR08	INITIAL RELEASE	A	61073L	300230	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																																																																																																																																																																																										
					RELEASE NO.	DATE																																																																																																																																																																																																																																																										
					61073L	07FEB08																																																																																																																																																																																																																																																										
						PART NO.																																																																																																																																																																																																																																																										
						AE08056619																																																																																																																																																																																																																																																										
						SHEET																																																																																																																																																																																																																																																										
						70A																																																																																																																																																																																																																																																										

Figure 324 Connector Composites (6018), (6019), (6020)



13.79. CONNECTOR COMPOSITES (6020M), P. 71

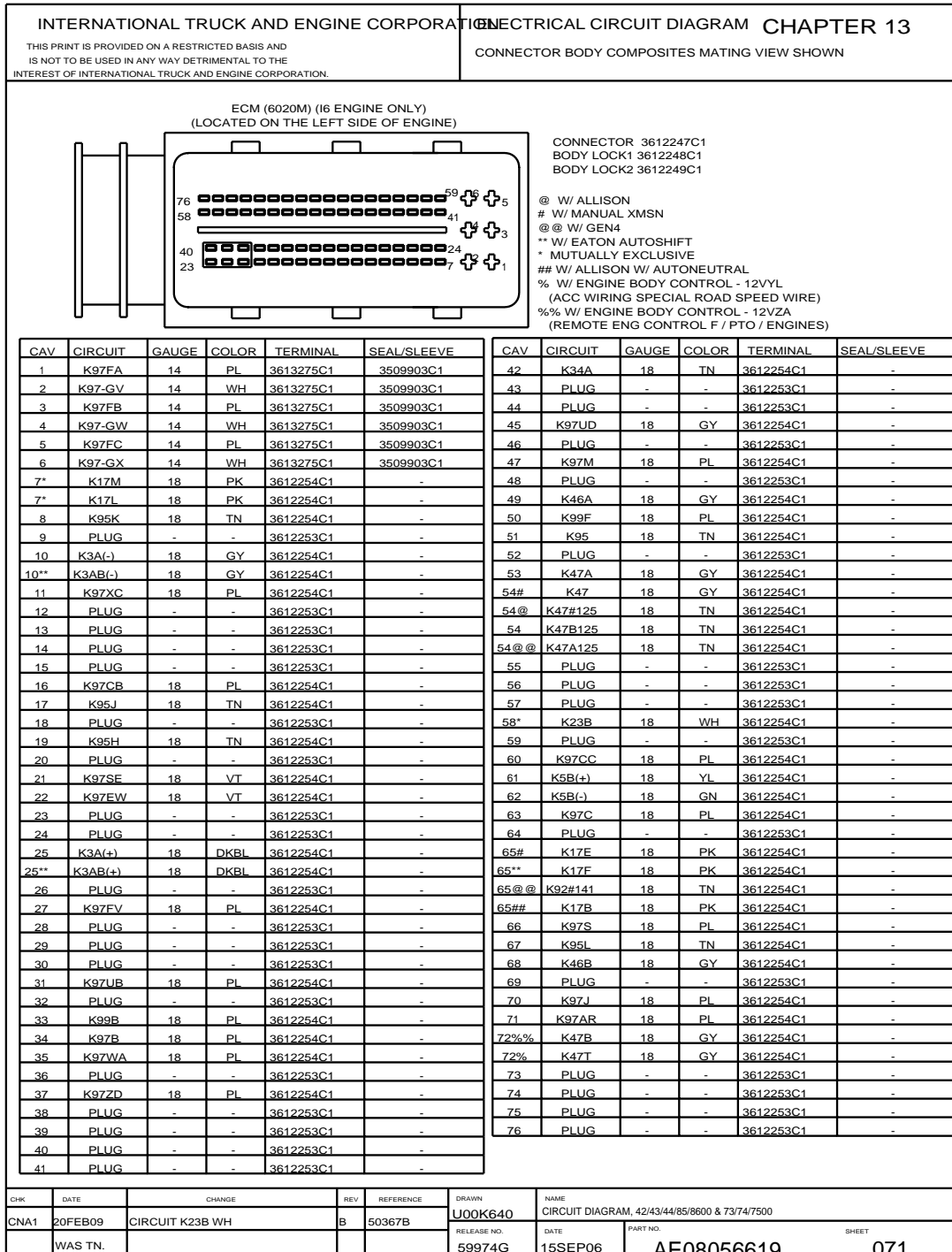


Figure 325 Connector Composites (6020M)

13.80. CONNECTOR COMPOSITES (6020M), P. 72

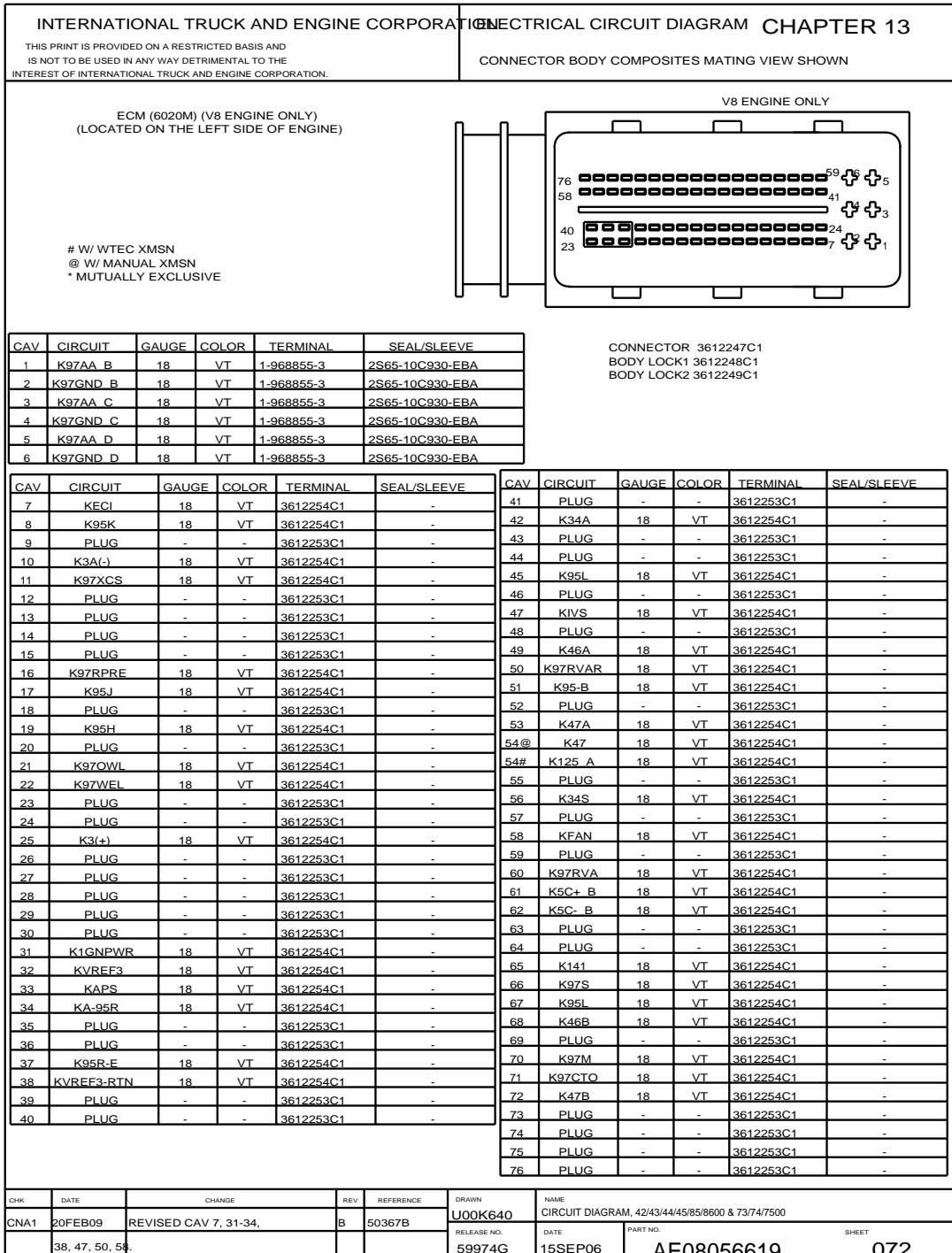
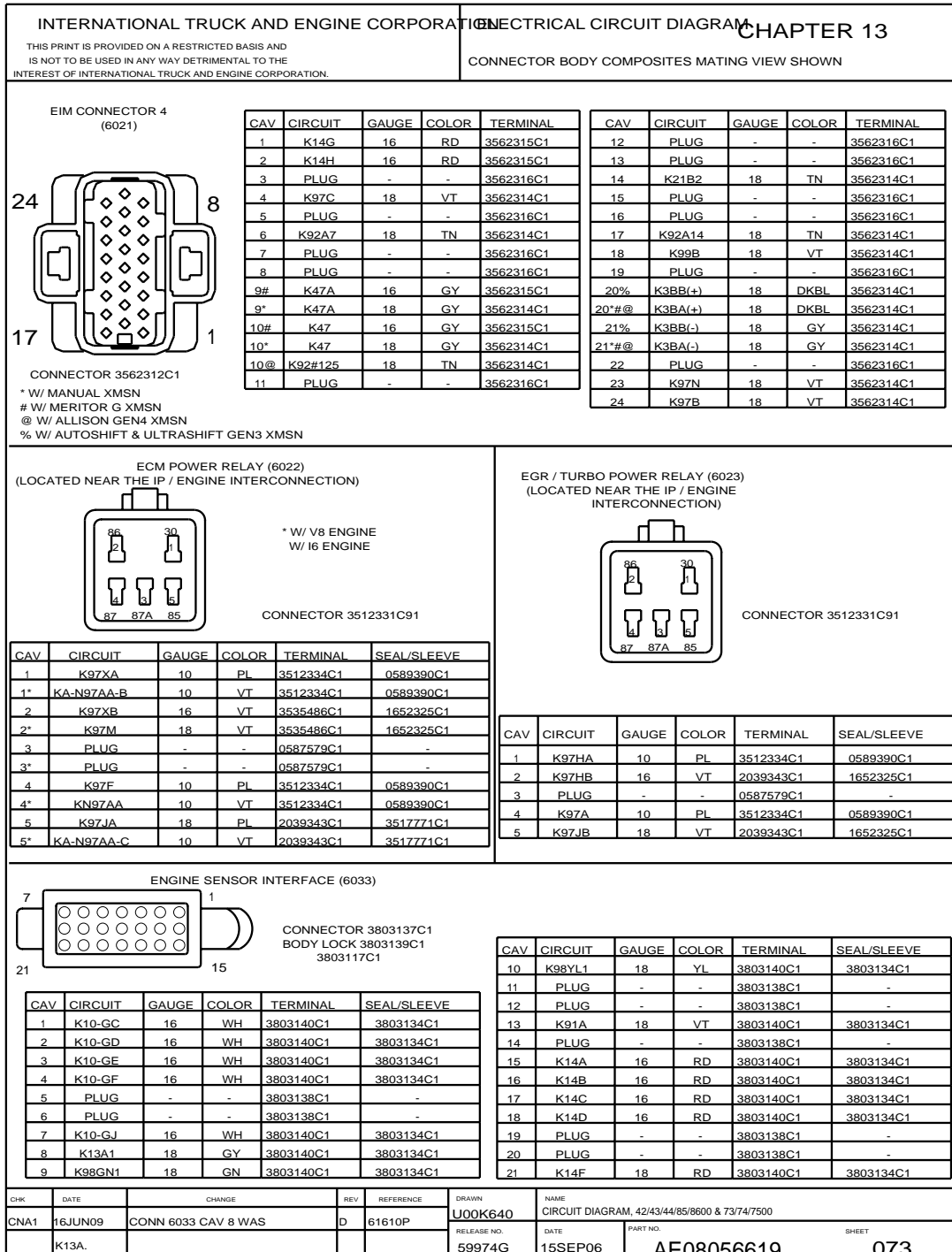


Figure 326 Connector Composites (6020M)

13.81. CONNECTOR COMPOSITES (6021), (6022), (6023), (6033), P. 73



**ENGINE SENSOR INTERFACE (6033)**

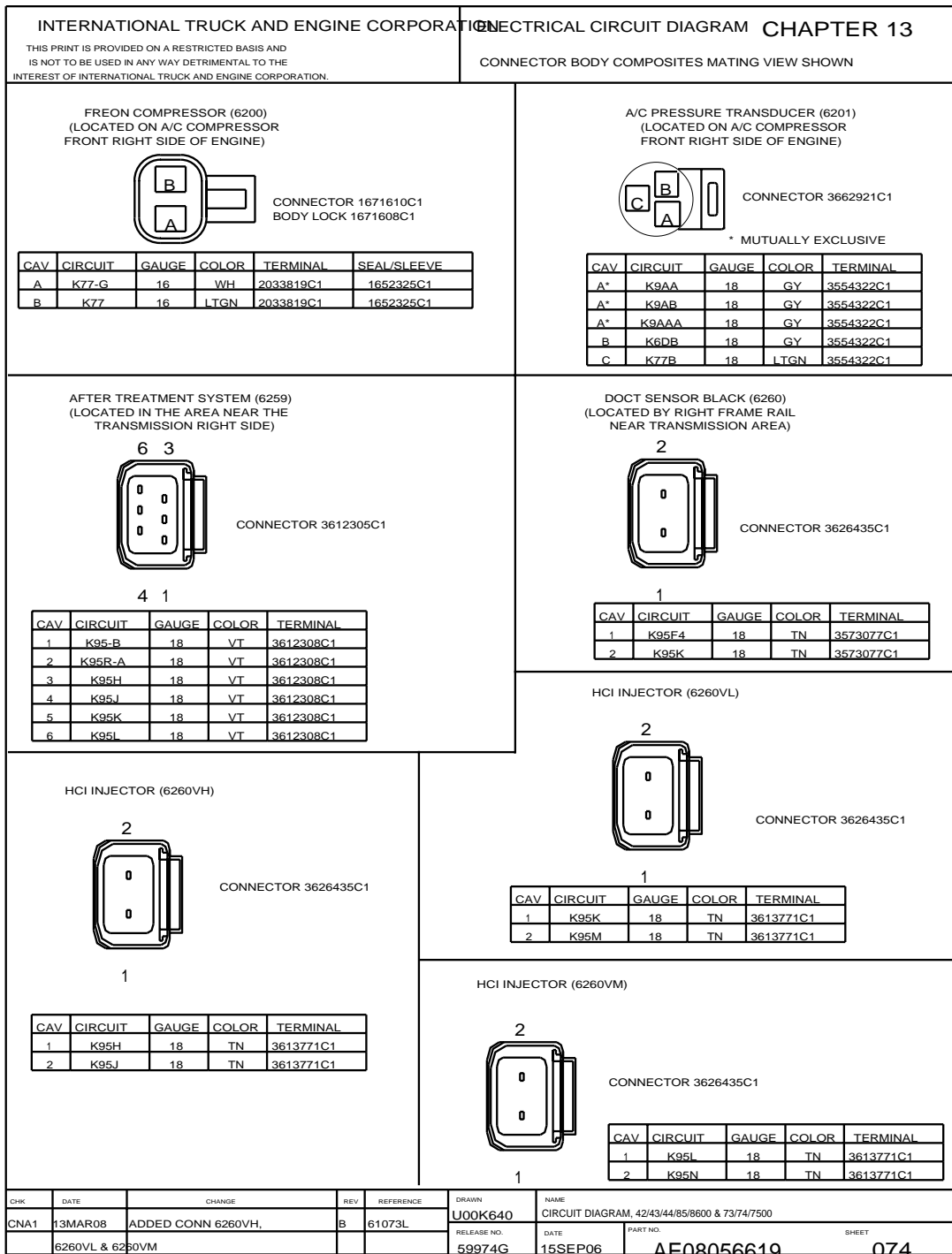
CONNECTOR 3803137C1  
BODY LOCK 3803139C1  
3803117C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
10	K98YL1	18	YL	3803140C1	3803134C1
11	PLUG	-	-	3803138C1	-
12	PLUG	-	-	3803138C1	-
13	K91A	18	VT	3803140C1	3803134C1
14	PLUG	-	-	3803138C1	-
15	K14A	16	RD	3803140C1	3803134C1
16	K14B	16	RD	3803140C1	3803134C1
17	K14C	16	RD	3803140C1	3803134C1
18	K14D	16	RD	3803140C1	3803134C1
19	PLUG	-	-	3803138C1	-
20	PLUG	-	-	3803138C1	-
21	K14F	18	RD	3803140C1	3803134C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	16JUN09	CONN 6033 CAV 8 WAS	D	61610P	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	K13A.				59974G	15SEP06 AE08056619 073

Figure 327 Connector Composites (6021), (6022), (6023), (6033)

**13.82. CONNECTOR COMPOSITES (6200), (6201), (6259), (6260), (6260VH), (6260VL), (6260VM), P. 74**



**Figure 328 Connector Composites (6200), (6201), (6259), (6260), (6260VH), (6260VL), (6260VM)**

13.83. CONNECTOR COMPOSITES (6261), (6262), (6263), (6304), (6316M), (6323), P. 75

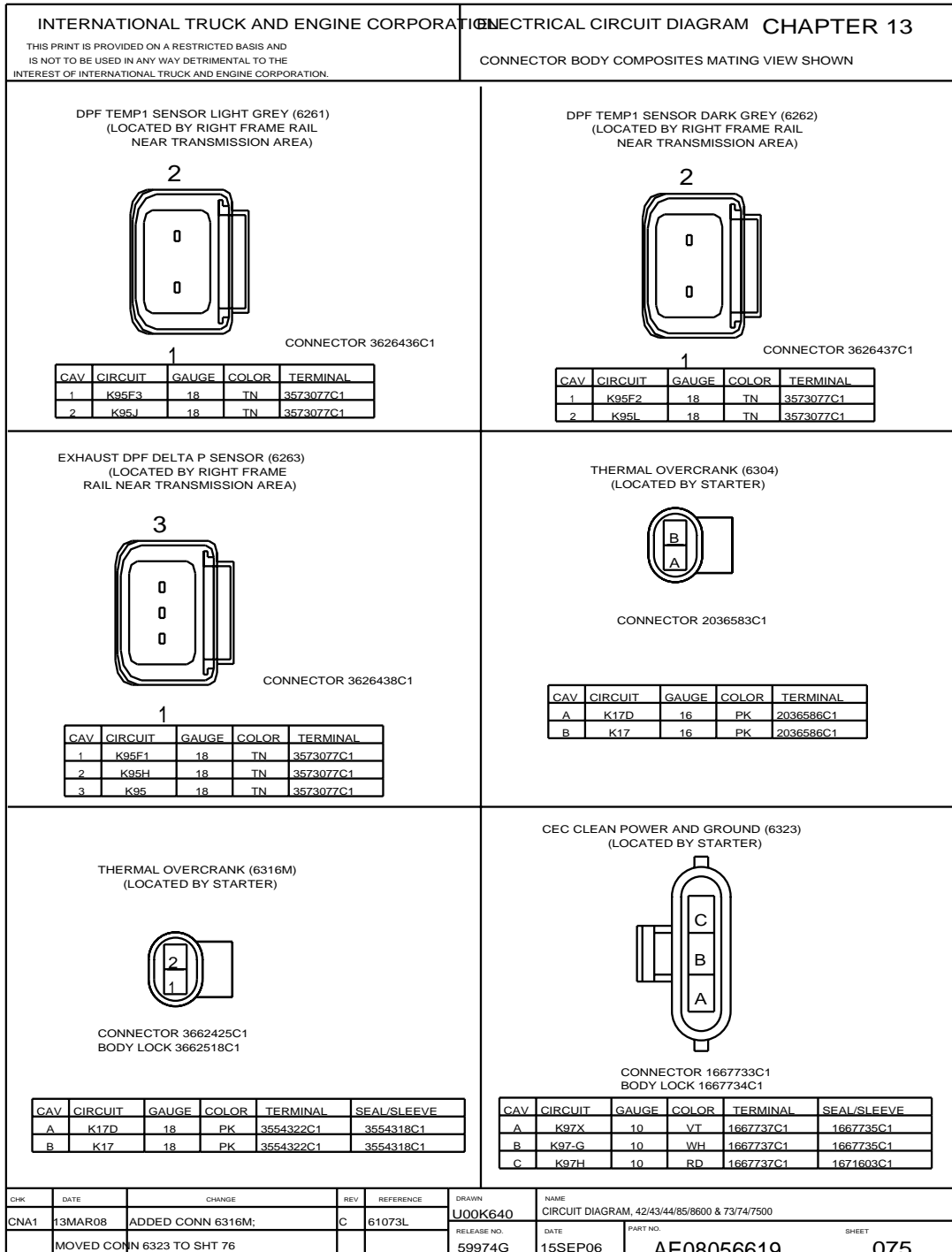


Figure 329 Connector Composites (6261), (6262), (6263), (6304), (6316M), (6323)

13.84. CONNECTOR COMPOSITES (6323), (6334), (6400), (6401), P. 76

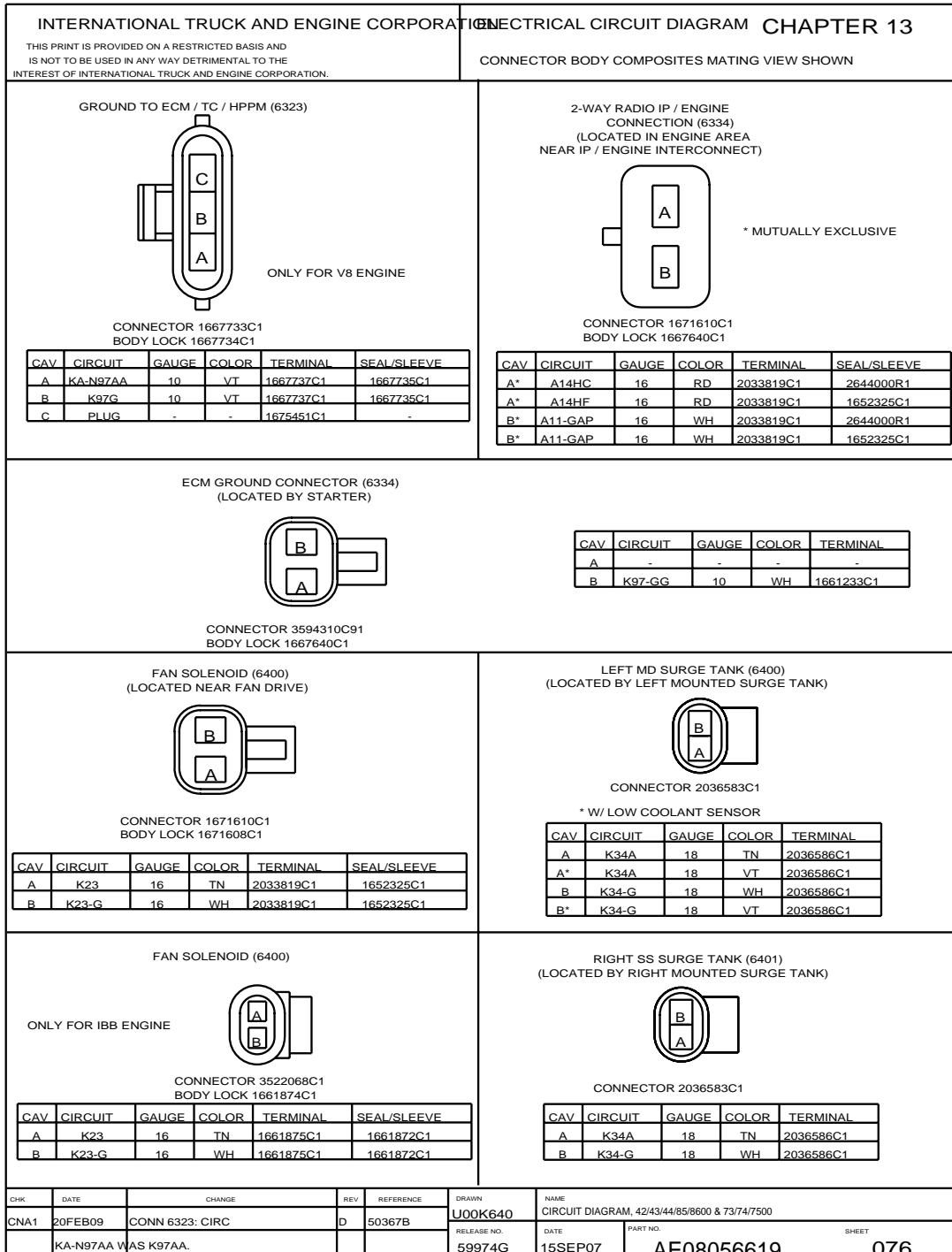


Figure 330 Connector Composites (6323), (6334), (6400), (6401)

13.85. CONNECTOR COMPOSITES (6401), (6401/6407), (6402), (6403), P. 77

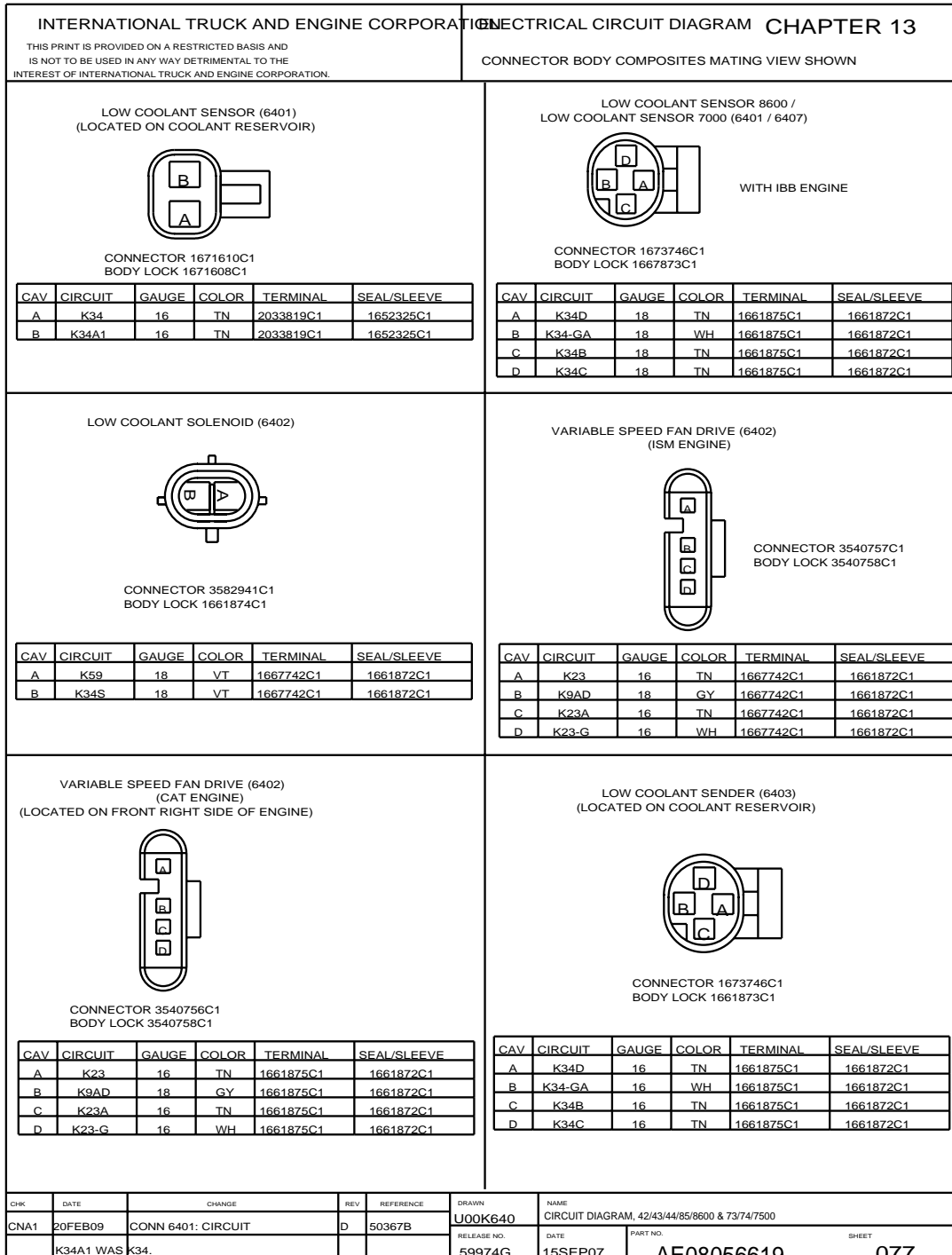
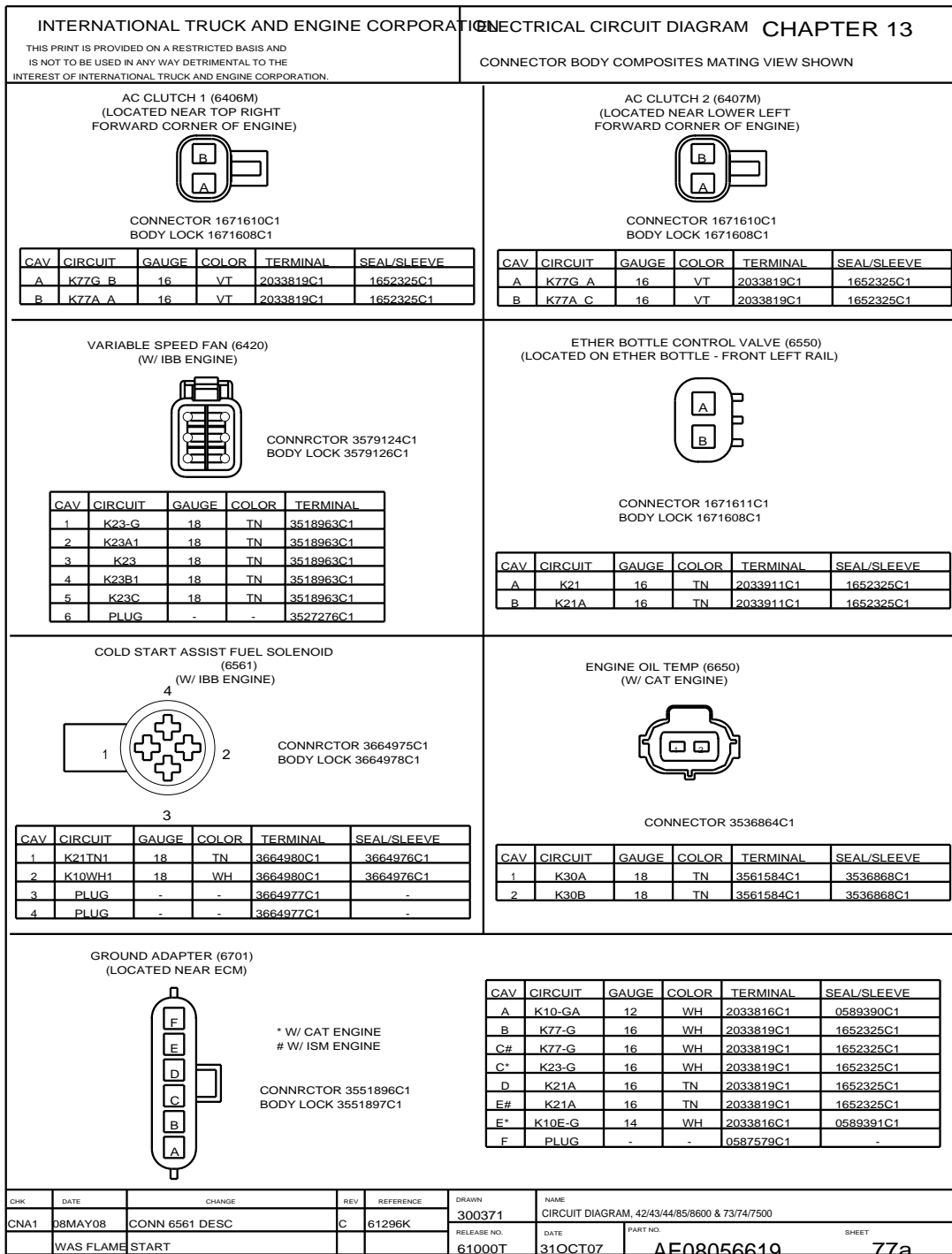


Figure 331 Connector Composites (6401), (6401/6407), (6402), (6403)

**13.86. CONNECTOR COMPOSITES (6406M), (6407M), (6420), (6550), (6561), (6650), (6701), P. 77A**



**Figure 332 Connector Composites (6406M), (6407M), (6420), (6550), (6561), (6650), (6701)**



13.87. CONNECTOR COMPOSITES (6702), (6703A), (6703M), (6704), P. 78

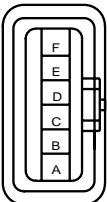
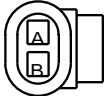
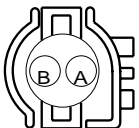
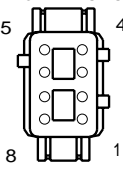
INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																																							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																																																							
<p style="text-align: center;">ZERO VOLT REFERENCE (6702) (LOCATED AT UPPER REAR SIDE OF ENGINE)</p>  <p style="text-align: center;">CONNECTOR 3543729C1 BODY LOCK 3543731C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>K9AA</td><td>16</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B*</td><td>K9AB</td><td>16</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B#</td><td>K9AAA</td><td>16</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>B&amp;</td><td>K9AAA</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C%*</td><td>K9AC</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C#</td><td>K9AB</td><td>18</td><td>TN</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C*@</td><td>K9AAD</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>C&amp;</td><td>K9AAD</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>D#&amp;</td><td>K9AAB</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>D*</td><td>K30B</td><td>18</td><td>TN</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>E</td><td>K9AD</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>F#</td><td>K9AAD</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> <tr><td>F*</td><td>K9AAB</td><td>18</td><td>GY</td><td>3535303C1</td><td>3535424C1</td></tr> </tbody> </table> <p style="font-size: x-small;">* W/ CAT ENGINE # W/ ISM ENGINE @ W/ FREEDOMLINE XMSN % W/ TRANS OIL TEMP GAUGE AND AC &amp; W/ IBB ENGINE</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K9AA	16	GY	3535303C1	3535424C1	B*	K9AB	16	GY	3535303C1	3535424C1	B#	K9AAA	16	GY	3535303C1	3535424C1	B&	K9AAA	18	GY	3535303C1	3535424C1	C%*	K9AC	18	GY	3535303C1	3535424C1	C#	K9AB	18	TN	3535303C1	3535424C1	C*@	K9AAD	18	GY	3535303C1	3535424C1	C&	K9AAD	18	GY	3535303C1	3535424C1	D#&	K9AAB	18	GY	3535303C1	3535424C1	D*	K30B	18	TN	3535303C1	3535424C1	E	K9AD	18	GY	3535303C1	3535424C1	F#	K9AAD	18	GY	3535303C1	3535424C1	F*	K9AAB	18	GY	3535303C1	3535424C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																						
A	K9AA	16	GY	3535303C1	3535424C1																																																																																						
B*	K9AB	16	GY	3535303C1	3535424C1																																																																																						
B#	K9AAA	16	GY	3535303C1	3535424C1																																																																																						
B&	K9AAA	18	GY	3535303C1	3535424C1																																																																																						
C%*	K9AC	18	GY	3535303C1	3535424C1																																																																																						
C#	K9AB	18	TN	3535303C1	3535424C1																																																																																						
C*@	K9AAD	18	GY	3535303C1	3535424C1																																																																																						
C&	K9AAD	18	GY	3535303C1	3535424C1																																																																																						
D#&	K9AAB	18	GY	3535303C1	3535424C1																																																																																						
D*	K30B	18	TN	3535303C1	3535424C1																																																																																						
E	K9AD	18	GY	3535303C1	3535424C1																																																																																						
F#	K9AAD	18	GY	3535303C1	3535424C1																																																																																						
F*	K9AAB	18	GY	3535303C1	3535424C1																																																																																						
<p style="text-align: center;">AIR RESTRICTION GAUGE (6703A)</p>  <p style="text-align: center;">CONNECTOR 3522068C1 BODY LOCK 1661874C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>K9AAB</td><td>18</td><td>GY</td><td>1661875C1</td><td>1661872C1</td></tr> <tr><td>B</td><td>K28</td><td>18</td><td>TN</td><td>1661875C1</td><td>1661872C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K9AAB	18	GY	1661875C1	1661872C1	B	K28	18	TN	1661875C1	1661872C1																																																																		
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																						
A	K9AAB	18	GY	1661875C1	1661872C1																																																																																						
B	K28	18	TN	1661875C1	1661872C1																																																																																						
<p style="text-align: center;">INTAKE AIR TEMP (6703M / &amp;6703) (LOCATED ON AIR FILTER HOUSING)</p>  <p style="text-align: center;">CONNECTOR 1689462C1 BODY LOCK 1689463C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>A*</td><td>K97E</td><td>16</td><td>PL</td><td>1689464C1</td></tr> <tr><td>A#</td><td>K97R</td><td>18</td><td>VT</td><td>1689464C1</td></tr> <tr><td>A&amp;</td><td>K41</td><td>16</td><td>TN</td><td>1689464C1</td></tr> <tr><td>B*</td><td>K97S</td><td>16</td><td>VT</td><td>1689464C1</td></tr> <tr><td>B&amp;</td><td>K41-G</td><td>16</td><td>WH</td><td>1689464C1</td></tr> <tr><td>B#</td><td>K97S</td><td>18</td><td>VT</td><td>1689464C1</td></tr> </tbody> </table> <p style="font-size: x-small;">* W/ I6 ENGINE # W/ V8 ENGINE &amp; W/ IBB ENGINE</p>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	A*	K97E	16	PL	1689464C1	A#	K97R	18	VT	1689464C1	A&	K41	16	TN	1689464C1	B*	K97S	16	VT	1689464C1	B&	K41-G	16	WH	1689464C1	B#	K97S	18	VT	1689464C1																																																	
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																							
A*	K97E	16	PL	1689464C1																																																																																							
A#	K97R	18	VT	1689464C1																																																																																							
A&	K41	16	TN	1689464C1																																																																																							
B*	K97S	16	VT	1689464C1																																																																																							
B&	K41-G	16	WH	1689464C1																																																																																							
B#	K97S	18	VT	1689464C1																																																																																							
<p style="text-align: center;">FLEETGUARD AFTERTREATMENT (6704) (LOCATED AT UNDER SIDE OF TRANSMISSION)</p>  <p style="text-align: center;">CONNECTOR 3539139C1 BODY LOCK 3539144C1</p>				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr><td>1</td><td>K95A</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>2</td><td>K95B</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>3</td><td>K95C</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>4</td><td>K95-GA</td><td>18</td><td>WH</td><td>3555249C1</td></tr> <tr><td>5</td><td>K95D</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>6</td><td>K95E</td><td>18</td><td>TN</td><td>3555249C1</td></tr> <tr><td>7</td><td>K95-GB</td><td>18</td><td>WH</td><td>3555249C1</td></tr> <tr><td>8</td><td>PLUG</td><td>-</td><td>-</td><td>3527276C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	K95A	18	TN	3555249C1	2	K95B	18	TN	3555249C1	3	K95C	18	TN	3555249C1	4	K95-GA	18	WH	3555249C1	5	K95D	18	TN	3555249C1	6	K95E	18	TN	3555249C1	7	K95-GB	18	WH	3555249C1	8	PLUG	-	-	3527276C1																																							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																																																							
1	K95A	18	TN	3555249C1																																																																																							
2	K95B	18	TN	3555249C1																																																																																							
3	K95C	18	TN	3555249C1																																																																																							
4	K95-GA	18	WH	3555249C1																																																																																							
5	K95D	18	TN	3555249C1																																																																																							
6	K95E	18	TN	3555249C1																																																																																							
7	K95-GB	18	WH	3555249C1																																																																																							
8	PLUG	-	-	3527276C1																																																																																							
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																					
CNA1	20FEB09	REMOVED 6703 AT CONN	D	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																					
6703A.					59974G	DATE	PART NO.																																																																																				
						15SEP06	AE08056619																																																																																				
							SHEET 078																																																																																				

Figure 333 Connector Composites (6702), (6703A), (6703M), (6704)

13.88. CONNECTOR COMPOSITES (6704A), (6704M), (6706), (6707), (6708/6709), (6712), P. 78A

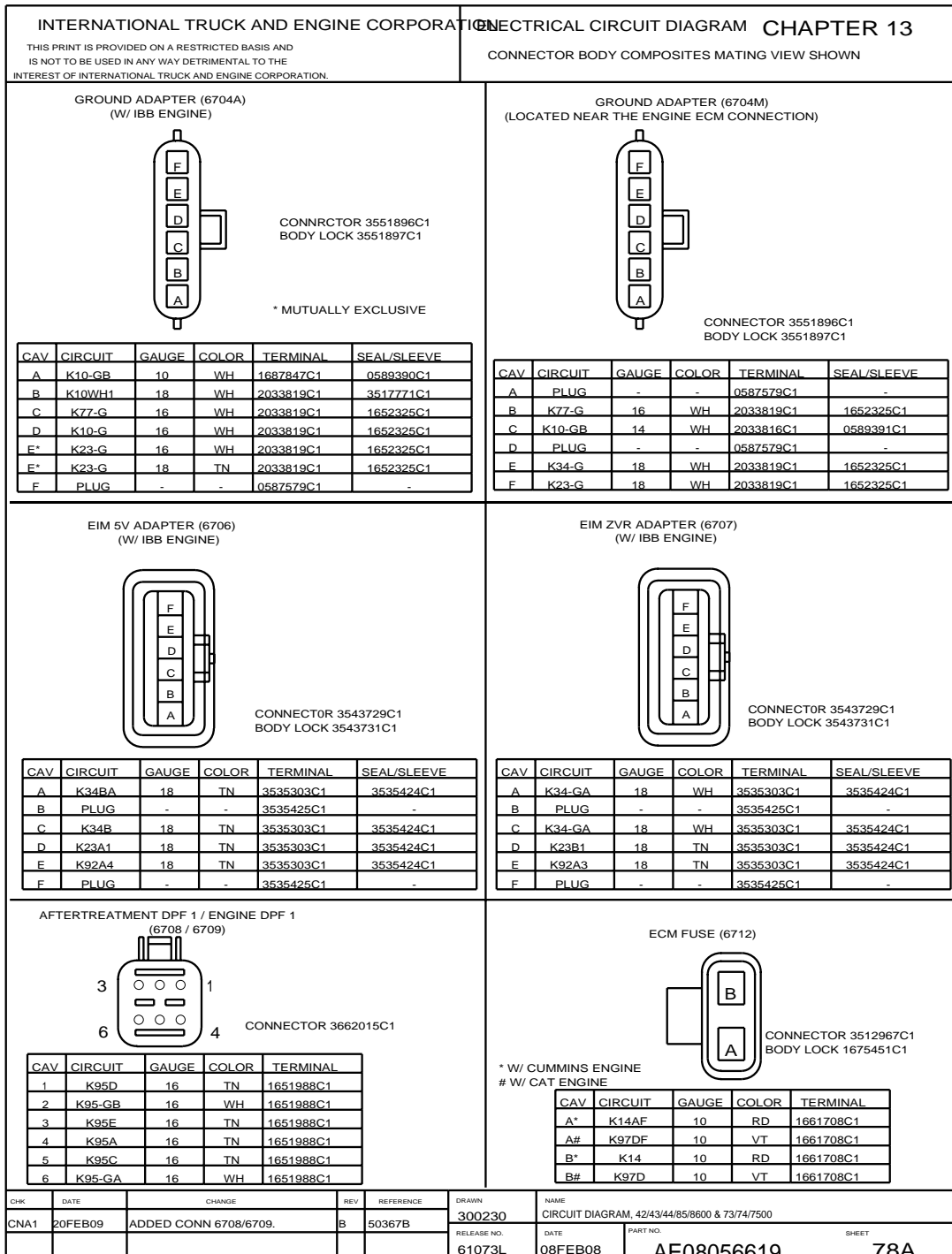
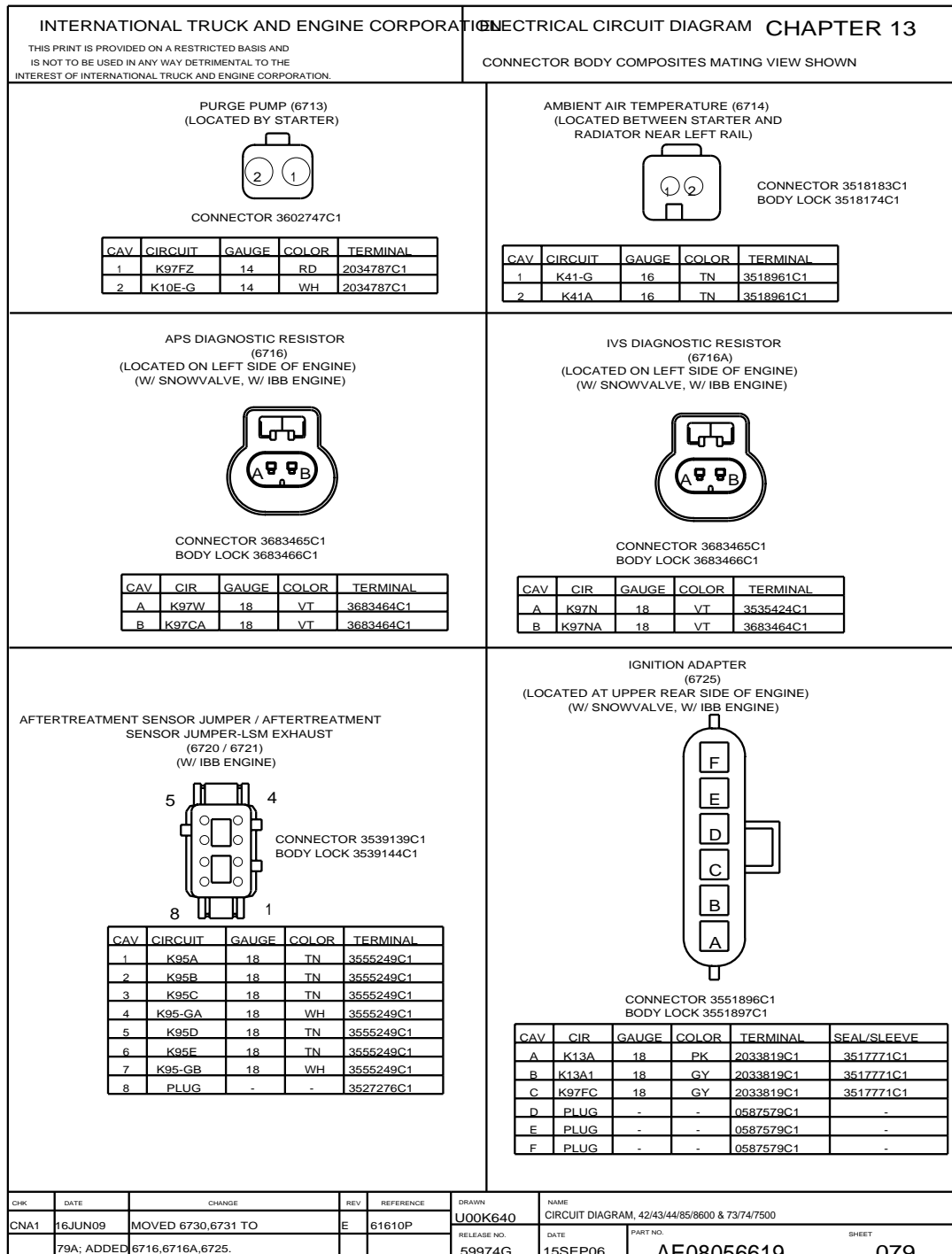


Figure 334 Connector Composites (6704A), (6704M), (6706), (6707), (6708/6709), (6712)

**13.89. CONNECTOR COMPOSITES (6713), (6714), (6716), (6716A), (6720/6721), (6725), P. 79**



**Figure 335 Connector Composites (6713), (6714), (6716), (6716A), (6720/6721), (6725)**

13.90. CONNECTOR COMPOSITES (6730), (6731), P. 79A

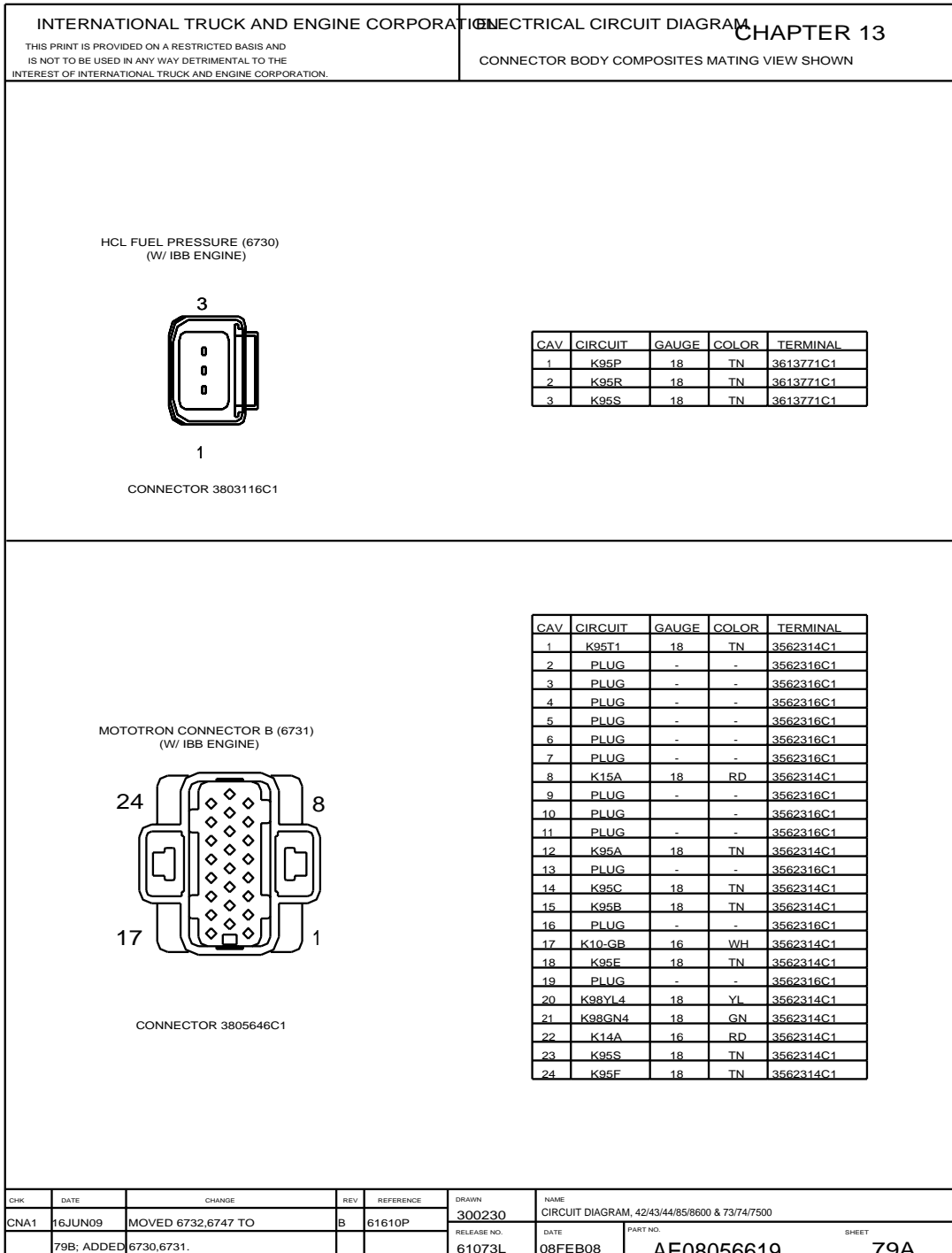


Figure 336 Connector Composites (6730), (6731)

13.91. CONNECTOR COMPOSITES (6732), (6747), P. 79B

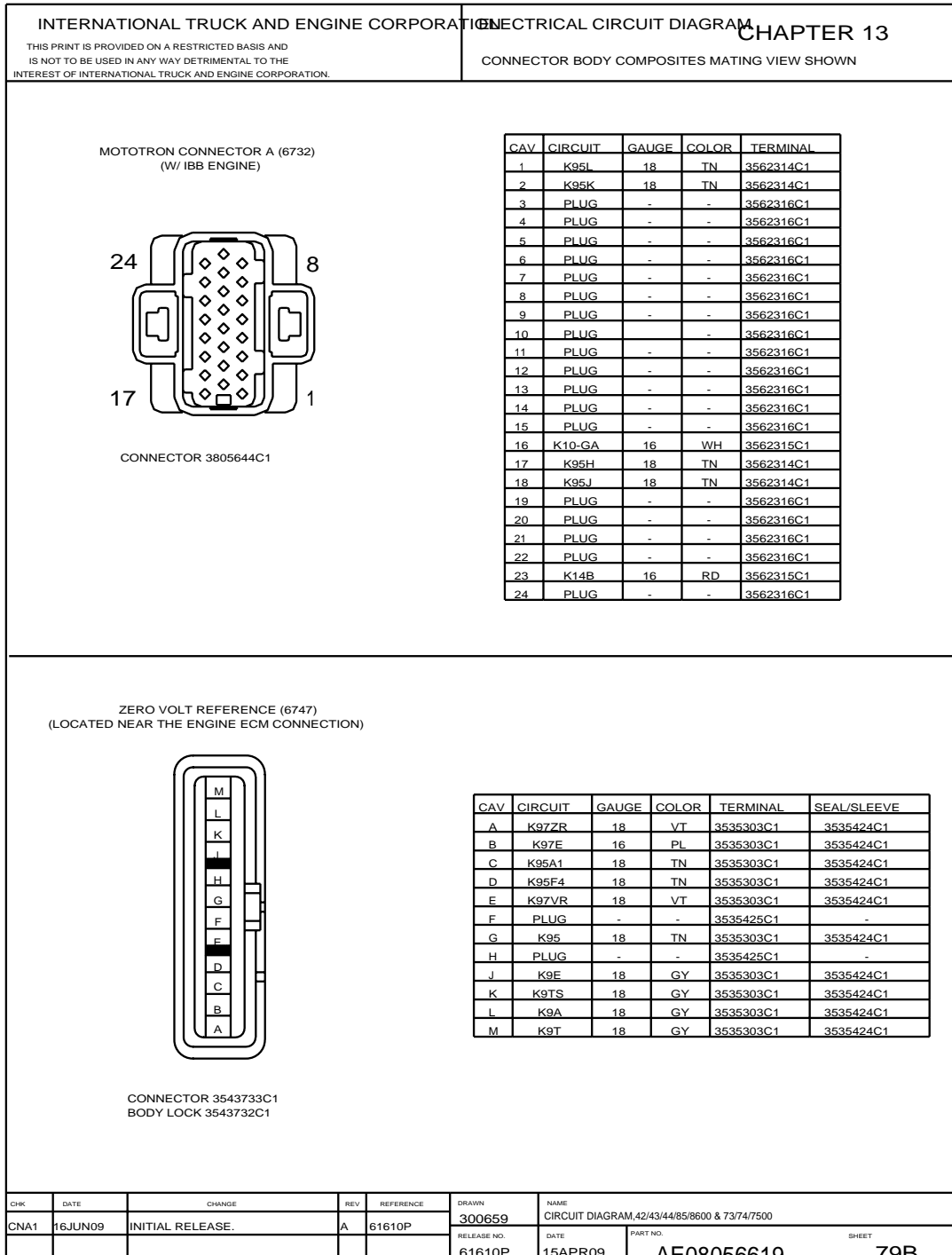


Figure 337 Connector Composites (6732), (6747)

13.92. CONNECTOR COMPOSITES (6900), (6901), (7103), (7103M), (7104), P. 80

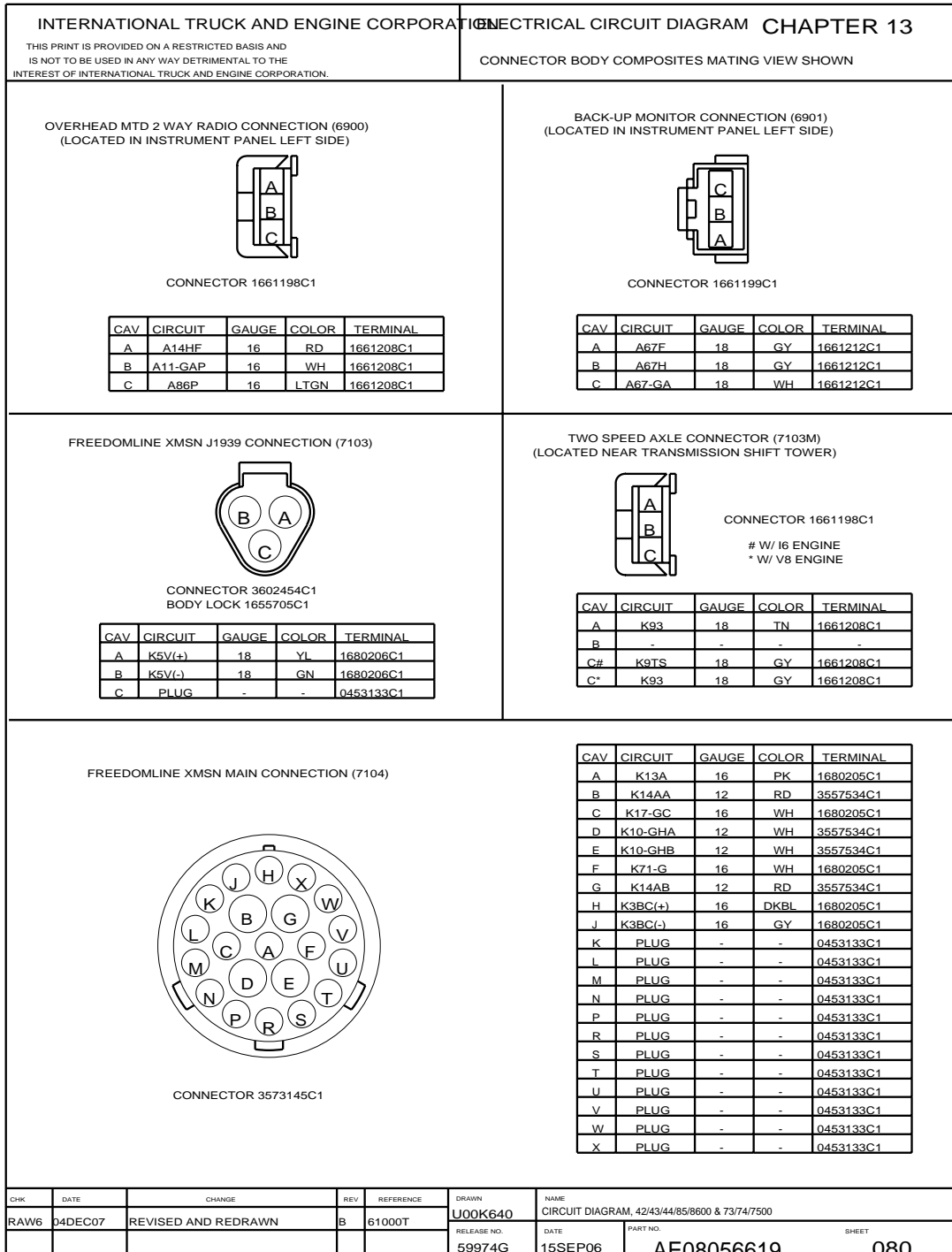
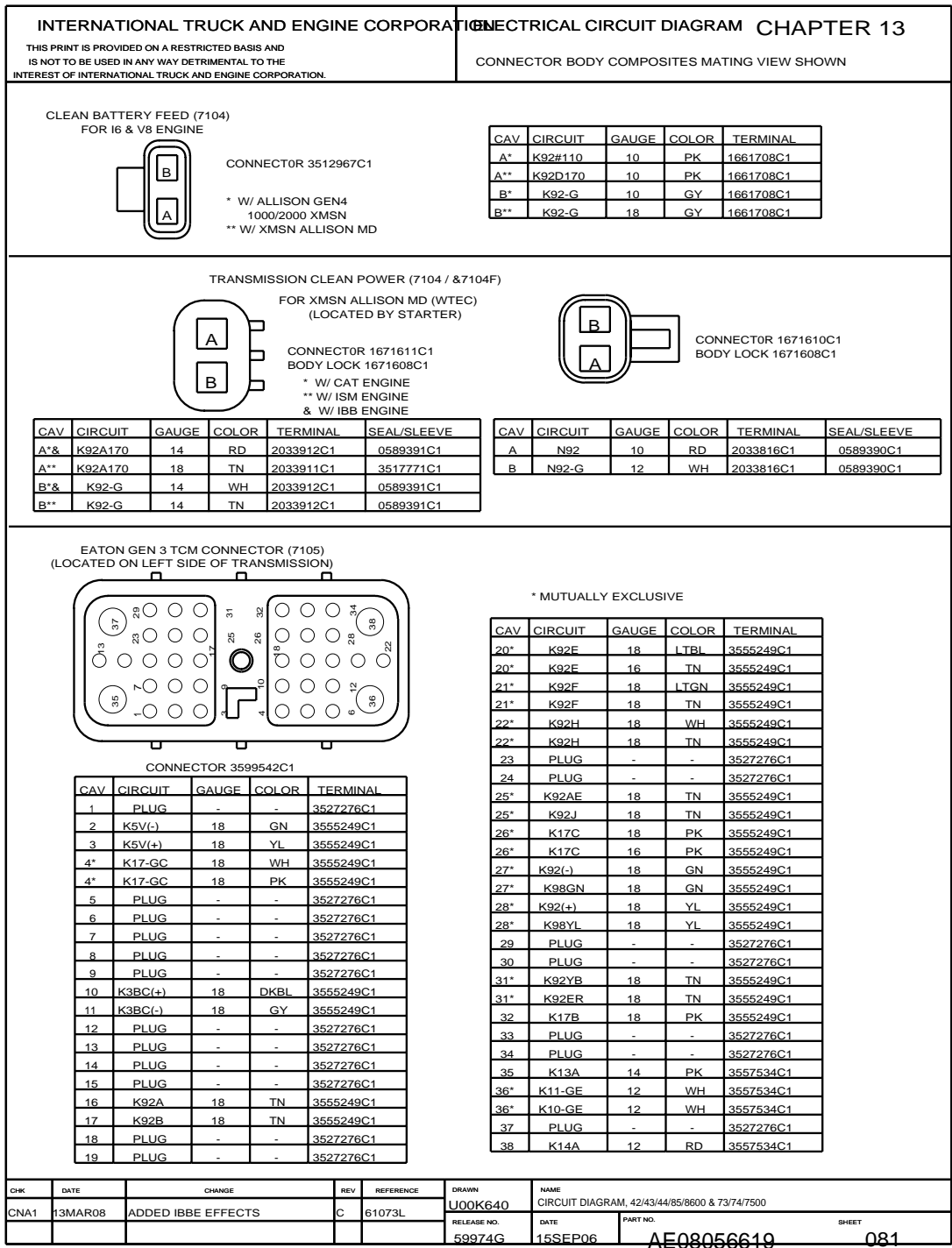


Figure 338 Connector Composites (6900), (6901), (7103), (7103M), (7104)

13.93. CONNECTOR COMPOSITES (7104), (7105), P. 81



**EATON GEN 3 TCM CONNECTOR (7105)**  
(LOCATED ON LEFT SIDE OF TRANSMISSION)



CONNECTOR 3599542C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	PLUG	-	-	3527276C1
2	K5V(-)	18	GN	3555249C1
3	K5V(+)	18	YL	3555249C1
4*	K17-GC	18	WH	3555249C1
4*	K17-GC	18	PK	3555249C1
5	PLUG	-	-	3527276C1
6	PLUG	-	-	3527276C1
7	PLUG	-	-	3527276C1
8	PLUG	-	-	3527276C1
9	PLUG	-	-	3527276C1
10	K3BC(+)	18	DKBL	3555249C1
11	K3BC(-)	18	GY	3555249C1
12	PLUG	-	-	3527276C1
13	PLUG	-	-	3527276C1
14	PLUG	-	-	3527276C1
15	PLUG	-	-	3527276C1
16	K92A	18	TN	3555249C1
17	K92B	18	TN	3555249C1
18	PLUG	-	-	3527276C1
19	PLUG	-	-	3527276C1

\* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
20*	K92E	18	LTBL	3555249C1
20*	K92E	16	TN	3555249C1
21*	K92F	18	LTGN	3555249C1
21*	K92F	18	TN	3555249C1
22*	K92H	18	WH	3555249C1
22*	K92H	18	TN	3555249C1
23	PLUG	-	-	3527276C1
24	PLUG	-	-	3527276C1
25*	K92AE	18	TN	3555249C1
25*	K92J	18	TN	3555249C1
26*	K17C	18	PK	3555249C1
26*	K17C	16	PK	3555249C1
27*	K92(-)	18	GN	3555249C1
27*	K98GN	18	GN	3555249C1
28*	K92(+)	18	YL	3555249C1
28*	K98YL	18	YL	3555249C1
29	PLUG	-	-	3527276C1
30	PLUG	-	-	3527276C1
31*	K92YB	18	TN	3555249C1
31*	K92ER	18	TN	3555249C1
32	K17B	18	PK	3555249C1
33	PLUG	-	-	3527276C1
34	PLUG	-	-	3527276C1
35	K13A	14	PK	3557534C1
36*	K11-GE	12	WH	3557534C1
36*	K10-GE	12	WH	3557534C1
37	PLUG	-	-	3527276C1
38	K14A	12	RD	3557534C1

Figure 339 Connector Composites (7104), (7105)

13.94. CONNECTOR COMPOSITES (7106), (7110), (7111), P. 82



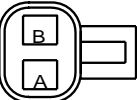
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																												
<p style="text-align: center;">TOPS II XMSN (7106)</p>  <p style="text-align: center;">CONNECTOR 1667741C1 BODY LOCK 1667771C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K92N</td> <td>16</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>K92-GA</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>C</td> <td>K92P</td> <td>16</td> <td>TN</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K92N	16	TN	1661875C1	1661872C1	B	K92-GA	16	WH	1661875C1	1661872C1	C	K92P	16	TN	1661875C1	1661872C1																																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	K92N	16	TN	1661875C1	1661872C1																																																								
B	K92-GA	16	WH	1661875C1	1661872C1																																																								
C	K92P	16	TN	1661875C1	1661872C1																																																								
<p style="text-align: center;">J1939 RESISTOR (7110 / &amp;&amp;7110A) (LOCATED ON LEFT SIDE OF TRANSMISSION)</p>  <p style="text-align: center;">CONNECTOR 1667741C1 BODY LOCK 1667771C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A*</td> <td>K5C+</td> <td>18</td> <td>YL</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>A&amp;</td> <td>K5C128</td> <td>18</td> <td>YL</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>A#**</td> <td>K5TB(+)</td> <td>18</td> <td>YL</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>A*#%</td> <td>K5TB(+)</td> <td>18</td> <td>YL</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>B</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>2025431C1</td> <td>-</td> </tr> <tr> <td>C*</td> <td>K5C-</td> <td>18</td> <td>GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>C&amp;</td> <td>K5C108</td> <td>18</td> <td>GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>C#**</td> <td>K5TB(-)</td> <td>18</td> <td>GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> <tr> <td>C*#%</td> <td>K5TB(-)</td> <td>18</td> <td>GN</td> <td>1661875C1</td> <td>3568570C1</td> </tr> </tbody> </table> <p style="font-size: small;">&amp;&amp; ONLY FOR IBB ENGINE * W/ MANUAL XMSN # W/ AUTOSHIFT, ULTRASHIFT XMSN ** W/ ZFM FREEDOMLINE XMSN &amp; W/ ALLISON GEN4 XMSN % W/ MERITOR G XMSN &amp; W/ IBB ENGINE</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A*	K5C+	18	YL	1661875C1	3568570C1	A&	K5C128	18	YL	1661875C1	3568570C1	A#**	K5TB(+)	18	YL	1661875C1	3568570C1	A*#%	K5TB(+)	18	YL	1661875C1	3568570C1	B	PLUG	-	-	2025431C1	-	C*	K5C-	18	GN	1661875C1	3568570C1	C&	K5C108	18	GN	1661875C1	3568570C1	C#**	K5TB(-)	18	GN	1661875C1	3568570C1	C*#%	K5TB(-)	18	GN	1661875C1	3568570C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A*	K5C+	18	YL	1661875C1	3568570C1																																																								
A&	K5C128	18	YL	1661875C1	3568570C1																																																								
A#**	K5TB(+)	18	YL	1661875C1	3568570C1																																																								
A*#%	K5TB(+)	18	YL	1661875C1	3568570C1																																																								
B	PLUG	-	-	2025431C1	-																																																								
C*	K5C-	18	GN	1661875C1	3568570C1																																																								
C&	K5C108	18	GN	1661875C1	3568570C1																																																								
C#**	K5TB(-)	18	GN	1661875C1	3568570C1																																																								
C*#%	K5TB(-)	18	GN	1661875C1	3568570C1																																																								
<p style="text-align: center;">MERITOR G POWER (7111) (LOCATED ON LEFT SIDE OF TRANSMISSION)</p>  <p style="text-align: center;">CONNECTOR 1671610C1 BODY LOCK 1671608C1</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K13A</td> <td>16</td> <td>PK</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B*</td> <td>K11-GX</td> <td>16</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B*</td> <td>K10-GX</td> <td>16</td> <td>WH</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> <p style="text-align: center;">* MUTUALLY EXCLUSIVE</p>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K13A	16	PK	2033819C1	1652325C1	B*	K11-GX	16	WH	2033819C1	1652325C1	B*	K10-GX	16	WH	2033819C1	1652325C1																																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	K13A	16	PK	2033819C1	1652325C1																																																								
B*	K11-GX	16	WH	2033819C1	1652325C1																																																								
B*	K10-GX	16	WH	2033819C1	1652325C1																																																								
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> </thead> <tbody> <tr> <td>CNA1</td> <td>20FEB09</td> <td>ADDED CONN 7106</td> <td>D</td> <td>50367B</td> <td>U00K640</td> <td>CIRCUIT DIAGRAM, 42/43/44/85/8600 &amp; 73/74/7500</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>RELEASE NO. 59974G</td> <td>DATE 15SEP06</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>PART NO. AE08056619</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>SHEET 082</td> </tr> </tbody> </table>	CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	20FEB09	ADDED CONN 7106	D	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500						RELEASE NO. 59974G	DATE 15SEP06							PART NO. AE08056619							SHEET 082																										
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																							
CNA1	20FEB09	ADDED CONN 7106	D	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																							
					RELEASE NO. 59974G	DATE 15SEP06																																																							
						PART NO. AE08056619																																																							
						SHEET 082																																																							

Figure 340 Connector Composites (7106), (7110), (7111)



13.95. CONNECTOR COMPOSITES (7150), P. 83

INTERNATIONAL TRUCK AND ENGINE CORPORATION					ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13				
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.					CONNECTOR BODY COMPOSITES MATING VIEW SHOWN				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL
1	K92#101	18	LTBL	3606047C1	41	K92A141	18	WH	3606047C1
1%	K101 C	18	VT	3606047C1	41**	K92A141	18	TN	3606047C1
2	-	-	-	-	41*	K92#141	18	TN	3606047C1
3	K92#103	18	YL	3606047C1	41%	K141	18	VT	3606047C1
4	-	-	-	-	42**	K92#142	18	TN	3606047C1
5	K92#105	18	OR	3606047C1	42*	K92#142	18	WH	3606047C1
6	-	-	-	-	43	K92#143	18	LTBL	3606047C1
7	-	-	-	-	44	-	-	-	-
8	K5A108	18	GN	3606047C1	45	K92#145	18	OR	3606047C1
8%	K5C- D	18	VT	3606047C1	45**	K92#145	18	TN	3606047C1
9##	K92C109	18	GY	3606047C1	46	-	-	-	-
9	K92#109	18	GY	3606047C1	47	-	-	-	-
10##	K92B110	18	PK	3606047C1	48	-	-	-	-
10	K92#110	18	PK	3606047C1	49	-	-	-	-
11	K92#111	18	OR	3606047C1	50	-	-	-	-
12*	K92A112	18	PK	3606047C1	51	K92#151	18	WH	3606047C1
12	K92A112	18	PK	3606047C1	52	K92#152	18	LTGN	3606047C1
13	-	-	-	-	53	-	-	-	-
14	-	-	-	-	54@@	K31#154	18	TN	3606047C1
15	K92#115	18	WH	3606047C1	54	K92#154	18	TN	3606047C1
16	K92#116	18	LTBL	3606047C1	55@@	K92#155	18	WH	3606047C1
17** #	K92A117	18	TN	3606047C1	55	K92#155	18	TN	3606047C1
17** #	K92#117	18	TN	3606047C1	56	K92#156	18	PK	3606047C1
17	K92#117	18	LTBL	3606047C1	57	K92#157	18	WH	3606047C1
18	-	-	-	-	58#	K92A158	18	LTGN	3606047C1
19	K92#119	18	LTBL	3606047C1	58#	K92#158	18	LTGN	3606047C1
20@@	K92C120	18	LTBL	3606047C1	58%%	K92D158	18	LTGN	3606047C1
20@	K92A120	18	LTBL	3606047C1	59	K48#159	18	TN	3606047C1
20#	K92#120	18	DKBL	3606047C1	60	K47#160	18	YL	3606047C1
20	K92#120	18	LTBL	3606047C1	61*	K92#161	18	OR	3606047C1
21	-	-	-	-	61	K92#161	18	TN	3606047C1
22	K92#122	18	YL	3606047C1	62	K92#162	18	YL	3606047C1
23	K92#123	18	LTGN	3606047C1	63##	K92#163	18	YL	3606047C1
24*	K92#124	18	WH	3606047C1	63	K92#163	18	TN	3606047C1
24	K92#124	18	TN	3606047C1	64	K92#164	18	LTBL	3606047C1
25##	K47A125	18	TN	3606047C1	65	K92#165	18	TN	3606047C1
25	K92#125	18	TN	3606047C1	66	-	-	-	-
25%	K125 A	18	VT	3606047C1	67	-	-	-	-
26	-	-	-	-	68	-	-	-	-
27	-	-	-	-	69##	K92B169	18	GY	3606047C1
28	K5A128	18	YL	3606047C1	69	K92#169	18	TN	3606047C1
28%	K5C+ D	18	VT	3606047C1	70#	K92#170	18	PK	3606047C1
29	-	-	-	-	70	K92#170	18	TN	3606047C1
30	K92#130	18	WH	3606047C1	71@@	K92#171	18	YL	3606047C1
31	K92A131	18	YL	3606047C1	71	K92#171	18	TN	3606047C1
31##	K92#131	18	YL	3606047C1	72	-	-	-	-
32	-	-	-	-	73	-	-	-	-
33	K92#133	18	YL	3606047C1	74@@	K92#174	18	LTBL	3606047C1
34##	K92#134	18	TN	3606047C1	74	K92#174	18	TN	3606047C1
34	K92#134	18	GY	3606047C1	75	K92#175	18	OR	3606047C1
35	-	-	-	-	76	K92#176	18	YL	3606047C1
36	K92#136	18	OR	3606047C1	77#	K92#177	18	LTGN	3606047C1
37@@	K92#137	18	WH	3606047C1	77#	K92#177	18	TN	3606047C1
37	K92#137	18	TN	3606047C1	78	-	-	-	-
38	-	-	-	-	79	-	-	-	-
39	K48#139	18	OR	3606047C1	80#	K92#180	18	OR	3606047C1
40	K47#140	18	LTGN	3606047C1	80#	K92#180	18	TN	3606047C1
					80#	K92A180	18	OR	3606047C1

TRANSMISSION MODULE (7150)  
(LOCATED AT TRANSMISSION TCM CONNECTION)  
TRANSMISSION MODULE IN CAB (7152)  
(LOCATED IN CAB)

CONNECTOR 3605713C1  
BODY LOCK 3606525C1

# MUTUALLY EXCLUSIVE  
@@ W/ HEAVY DUTY  
@ W/ MEDIUM DUTY  
## W/ WTEC  
\* W/ GEN 4  
\*\* W/ AUTO NTRL  
% W/ V8 ENGINE  
%% W/ I6 & V8

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
		CIRC K92A112 PK WAS	B	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					59974G	15SEP06
						PART NO.
						AE08056619
						SHEET
						083

Figure 341 Connector Composites (7150)

13.96. CONNECTOR COMPOSITES (7150), (7150F/7150F2), (7150/7151), P. 84

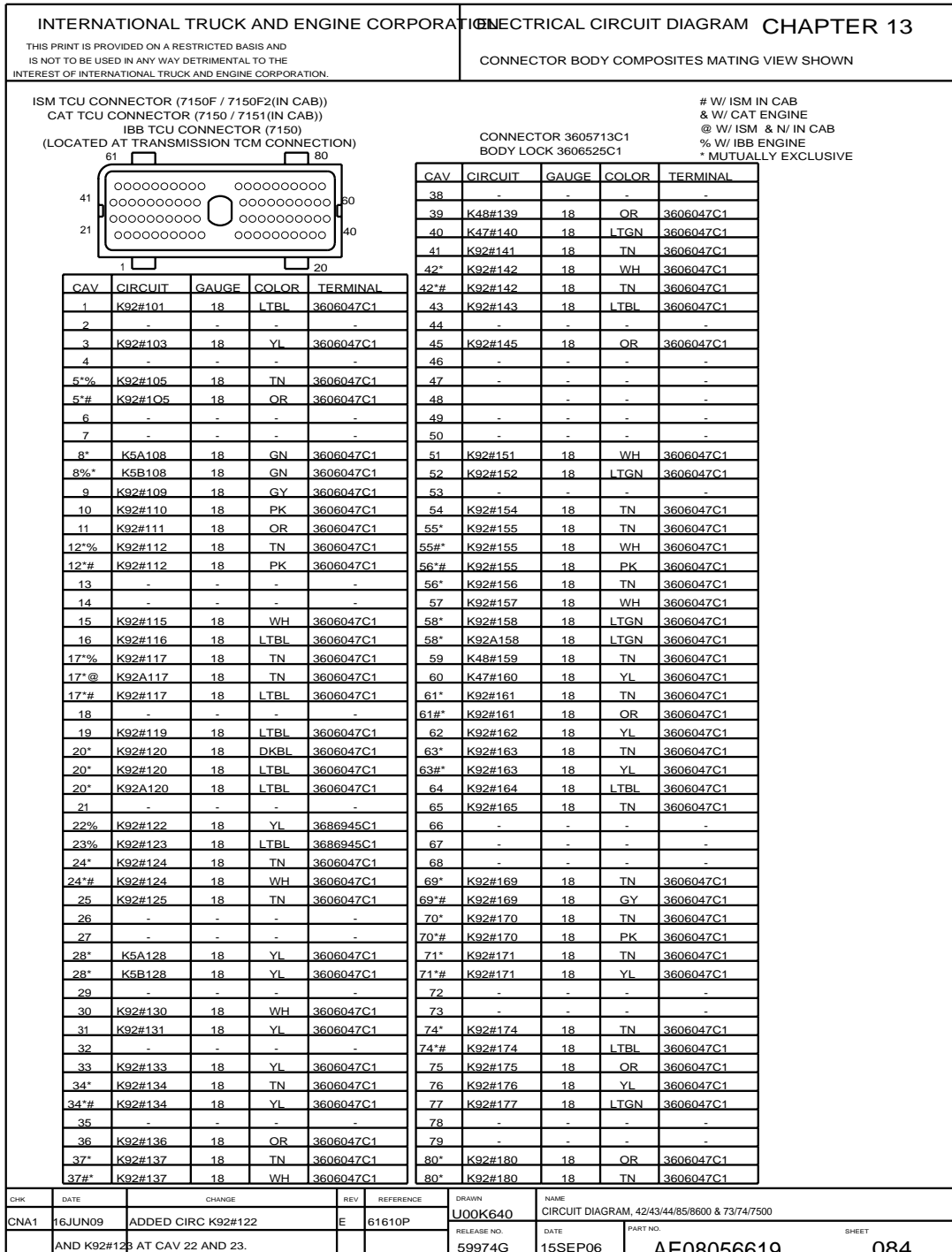


Figure 342 Connector Composites (7150), (7150F/7150F2), (7150/7151)

13.97. CONNECTOR COMPOSITES (7151), P. 85

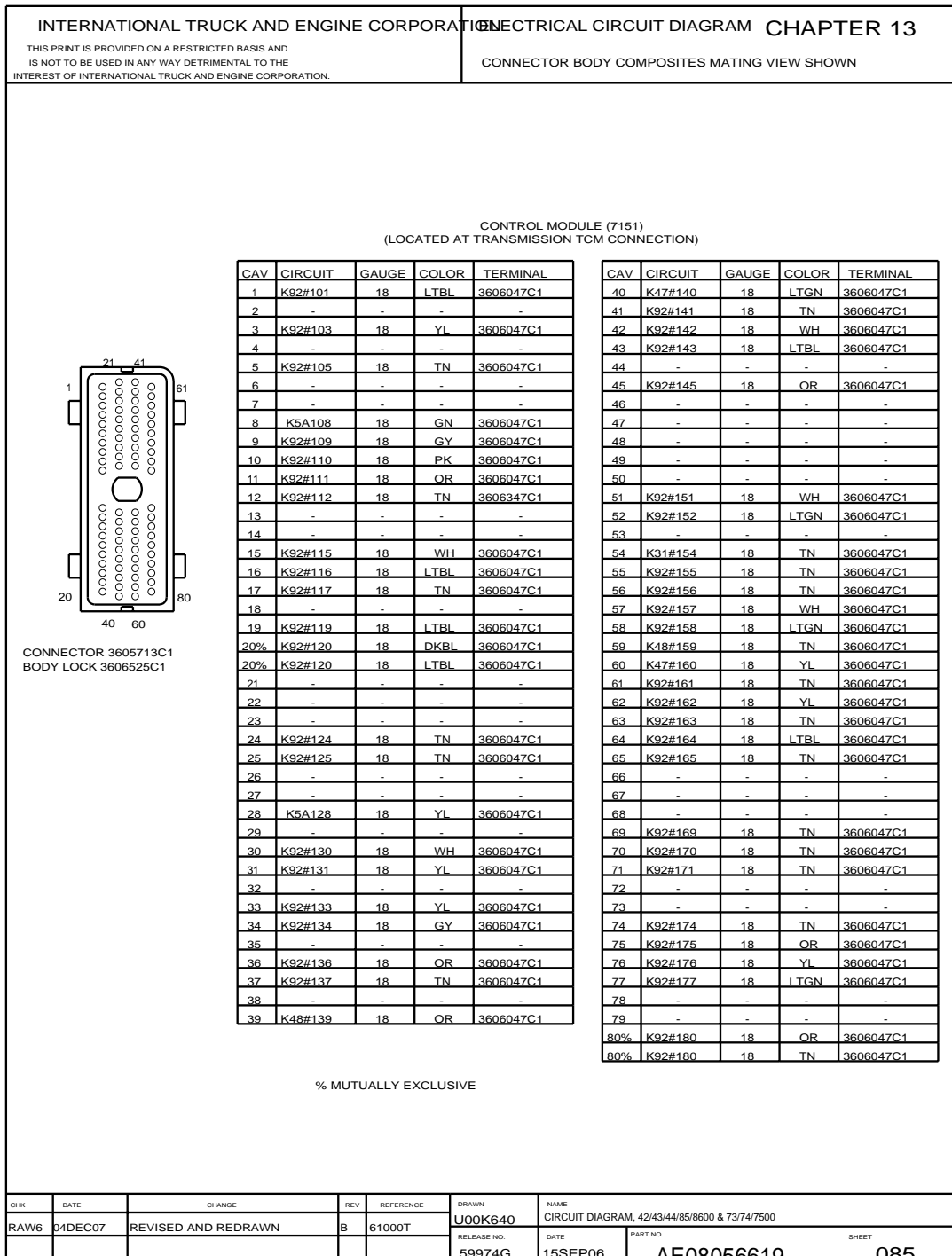


Figure 343 Connector Composites (7151)

13.98. CONNECTOR COMPOSITES (7205M), (7206F), P. 86

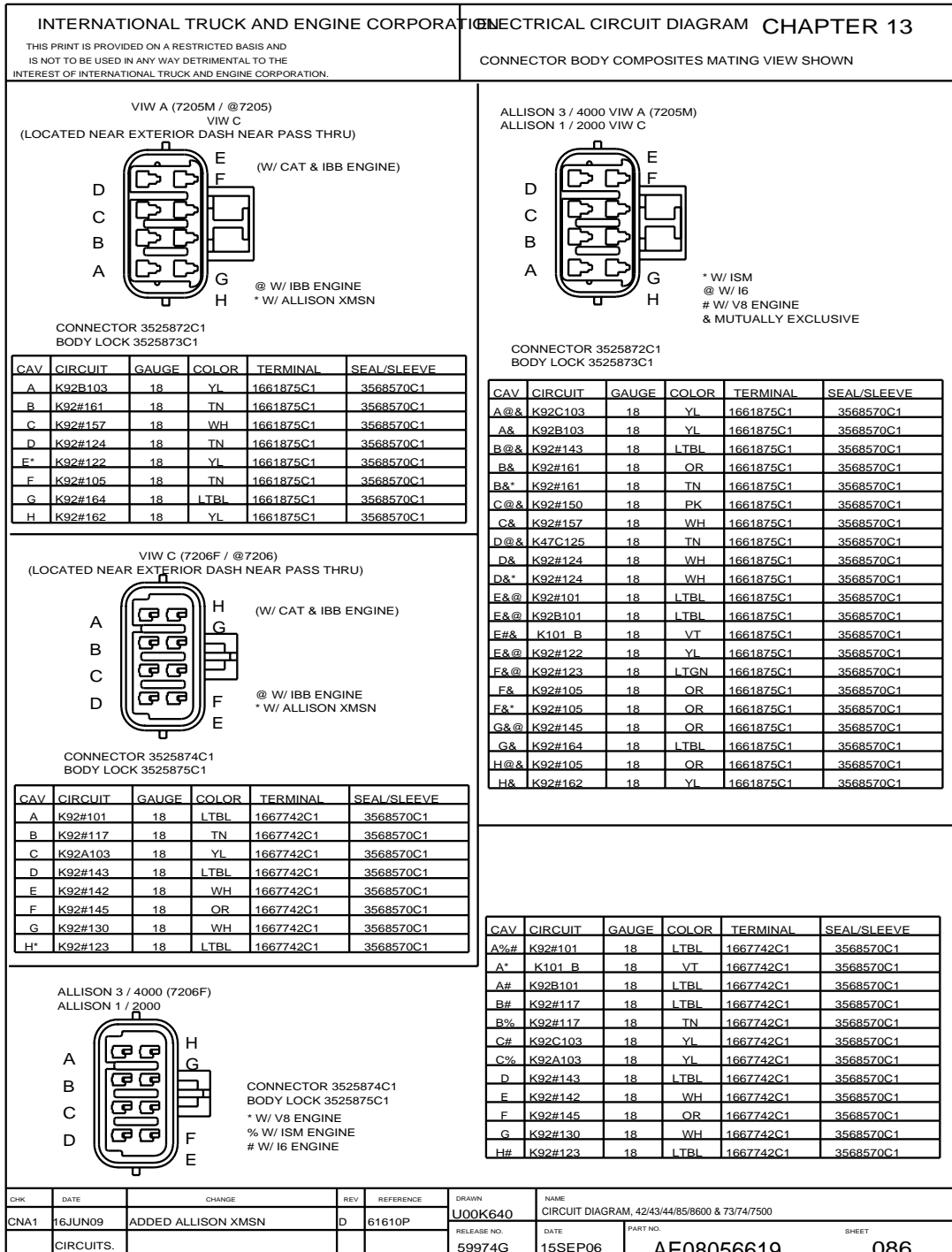


Figure 344 Connector Composites (7205M), (7206F)

13.99. CONNECTOR COMPOSITES (7211), (7212), (7213), P. 87

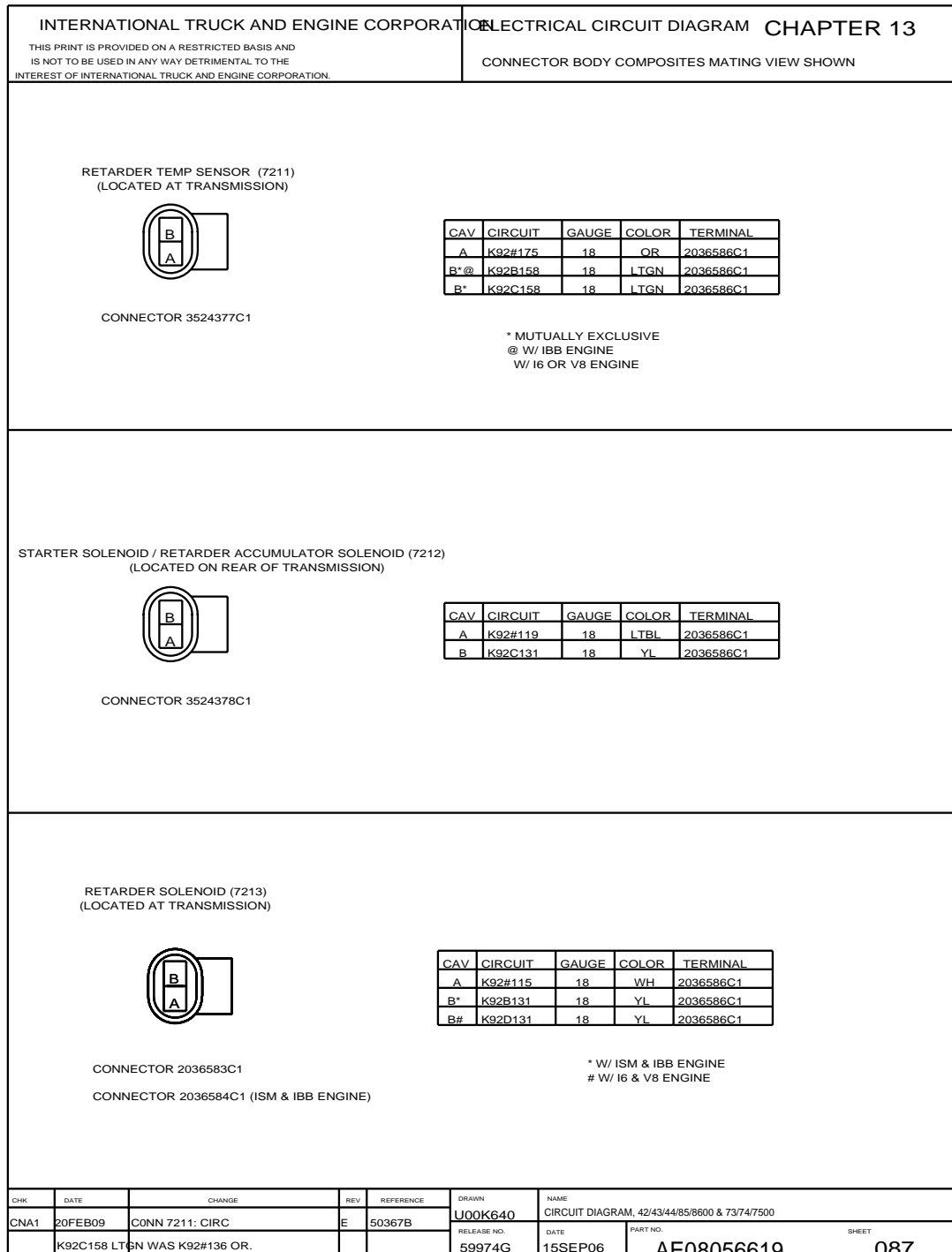


Figure 345 Connector Composites (7211), (7212), (7213)

13.100. CONNECTOR COMPOSITES (7250), (7251), (7350), P. 88

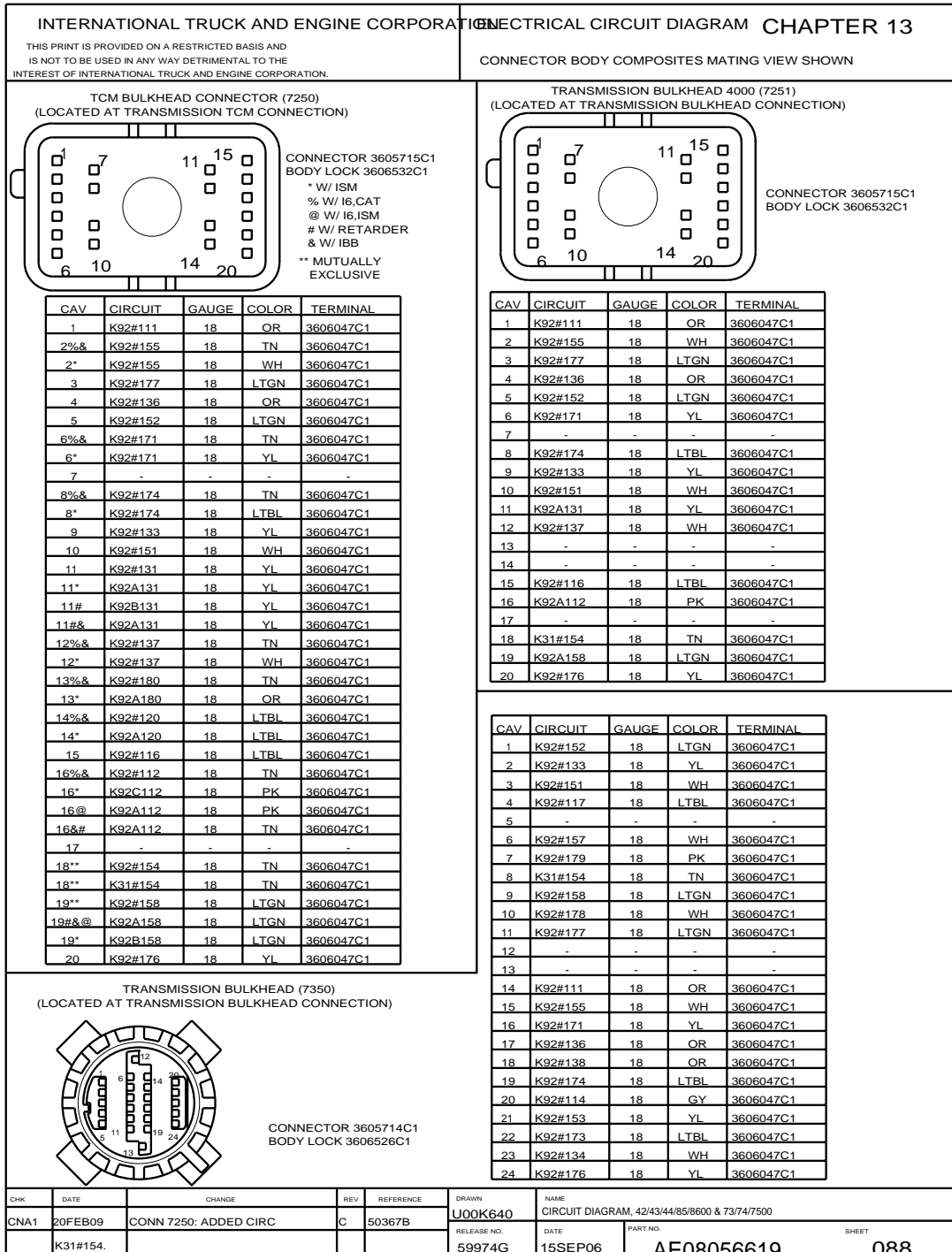
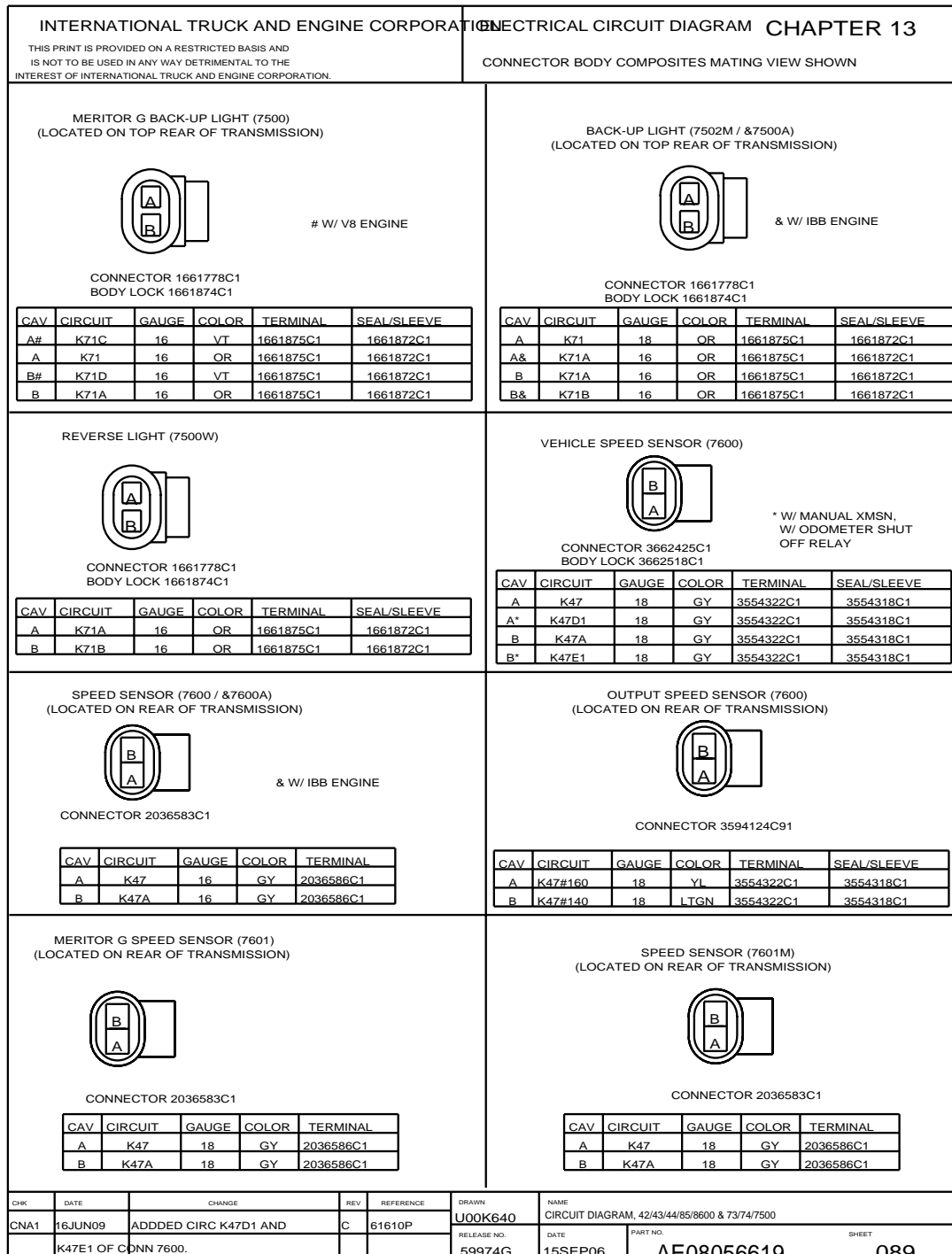


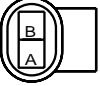

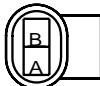

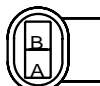



Figure 346 Connector Composites (7250), (7251), (7350)

**13.101. CONNECTOR COMPOSITES (7500), (7500W), (7502M), (7600), (7601), (7601M),  
 P. 89**



**Figure 347 Connector Composites (7500), (7500W), (7502M), (7600), (7601), (7601M)**

**13.102. CONNECTOR COMPOSITES (7602), (7603), (7604), (7605), (7607), (7608), (7609), (7611), P. 90**

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN			
MANUAL SPEED SENSOR (7602) (LOCATED ON REAR OF TRANSMISSION)				ALLISON ENGINE SPEED SENSOR (7603) (LOCATED ON RIGHT OF TRANSMISSION)			
							
CONNECTOR 2036583C1				CONNECTOR 3610533C1 BODY LOCK 3610532C1			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL			
A	K47D	18	GN	2036586C1			
B	K47E	18	GY	2036586C1			
A*#	K48#	159	18	TN	3554322C1	3554318C1	
A#	K92#	165	18	TN	3554322C1	3554318C1	
B	K48#	139	18	OR	3554322C1	3554318C1	
* W/ I6 OR V8 OR IBB # MUTUALLY EXCLUSIVE							
ENGINE SPEED SENSOR (7604) (LOCATED ON RIGHT OF TRANSMISSION)				ALLISON O/P SPEED SENSOR (7605) (LOCATED ON REAR OF TRANSMISSION)			
							
CONNECTOR 3594124C91				CONNECTOR 3610533C1 BODY LOCK 3610532C1			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE		
A	K48#	159	18	TN	3554322C1	3554318C1	
B	K48#	139	18	OR	3554322C1	3554318C1	
A	K47#	160	18	YL	3554322C1	3554318C1	
B	K47#	140	18	LTGN	3554322C1	3554318C1	
TURBINE SPEED SENSOR (7607) (LOCATED ON RIGHT OF TRANSMISSION)				OUTPUT SPEED SENSOR (7608) (LOCATED ON REAR OF TRANSMISSION)			
							
CONNECTOR 3594124C91				CONNECTOR 3610533C1 BODY LOCK 3610532C1			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE		
A	K92#	180	18	OR	3554322C1	3554318C1	
B	K92#	120	18	LTBL	3554322C1	3554318C1	
A	K47#	160	18	YL	3554322C1	3554318C1	
B	K47#	140	18	LTGN	3554322C1	3554318C1	
SPEED SENSOR (7609) (LOCATED ON REAR OF TRANSMISSION)				SPEED SENSOR (7611) (LOCATED ON REAR OF TRANSMISSION)			
							
CONNECTOR 2036583C1				CONNECTOR 1661778C1 BODY LOCK 1661874C1			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE		
A	K47	18	GY	2036586C1			
B	K47A	18	GY	2036586C1			
A	K47	18	GY	1661875C1	3568570C1		
B	K47A	18	GY	1661875C1	3568570C1		
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	
CNA1	13MAR08	ADDED IBBE EFFECTS	B	61073L	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500	
					RELEASE NO.	DATE	PART NO.
					59974G	15SEP06	AE08056619
							090

**Figure 348 Connector Composites (7602), (7603), (7604), (7605), (7607), (7608), (7609), (7611)**



13.103. CONNECTOR COMPOSITES (7615), (7616), (7617), (7700), P. 91

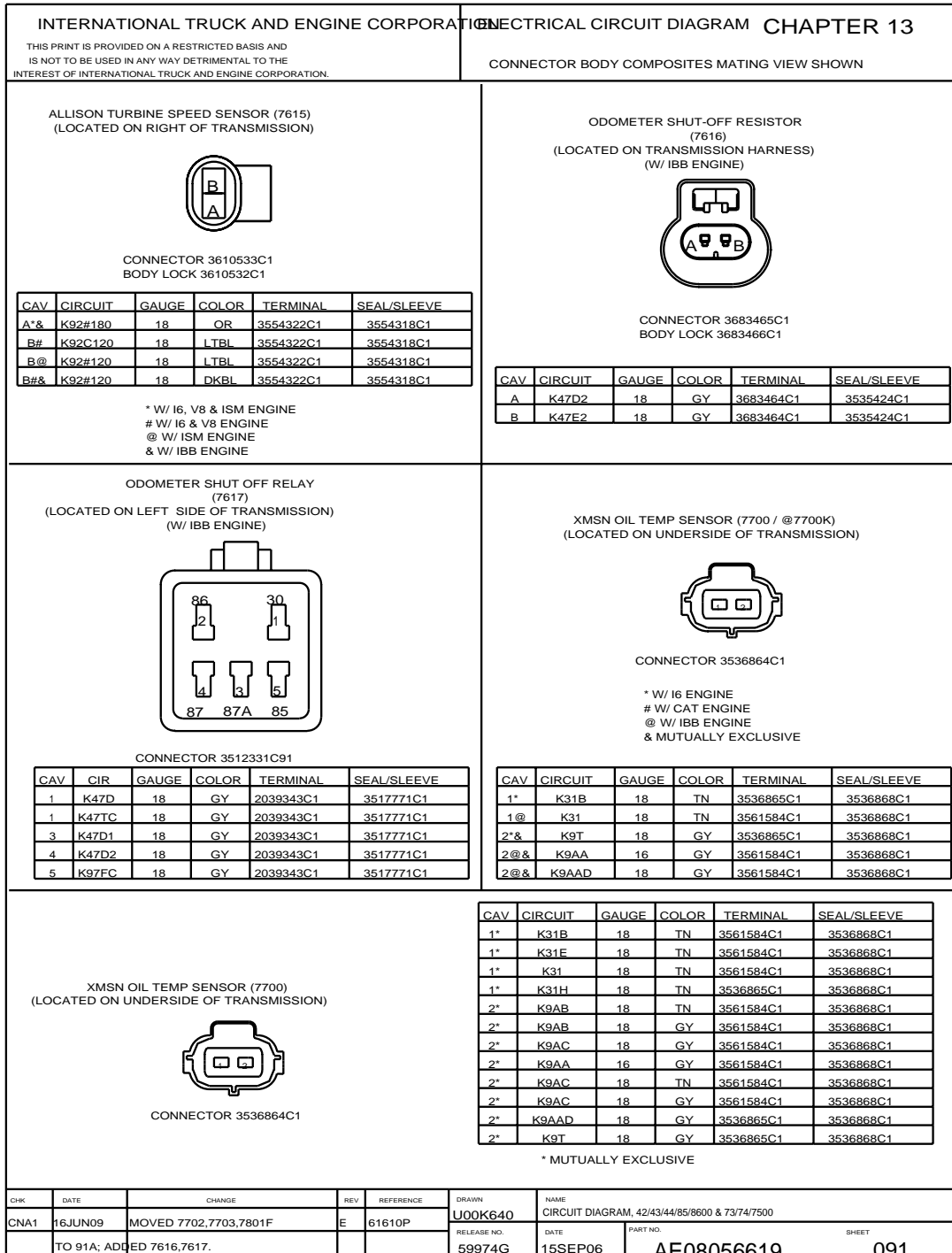


Figure 349 Connector Composites (7615), (7616), (7617), (7700)

13.104. CONNECTOR COMPOSITES (7702), (7703), (7801F), P. 91A

INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>	ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN
---	--

XMSN OIL TEMP SENSOR (7702)  
(LOCATED ON UNDERSIDE OF TRANSMISSION)

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K31F	18	TN	3536865C1	3536868C1
2	K9T	18	GY	3536865C1	3536868C1
2*	K31G	18	VT	3536865C1	3536868C1

\* W/ V8 ENGINE

---

XMSN OIL TEMP SENSOR (7703)  
(LOCATED ON UNDERSIDE OF TRANSMISSION)

CONNECTOR 3536864C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
1	K31E	16	TN	3536865C1	3536868C1
2	K9T	18	GY	3536865C1	3536868C1

---

TERMINATING RESISTOR (7801F)  
(LOCATED NEAR THE ENGINE ECM CONNECTION)

CONNECTOR 1667740C1  
BODY LOCK 166771C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	K5E(+)	18	YL	1667742C1	3568570C1
B	PLUG	-	-	2025431C1	-
C	K5E(-)	18	GN	1667742C1	3568570C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	16JUN09	INITIAL RELEASE.	A	61610P	300659	CIRCUIT DIAGRAM,42/43/44/85/8600 & 73/74/7500
					RELEASE NO.	DATE
					61610P	14APR09
						PART NO.
						AE08056610
						SHEET
						91A

Figure 350 Connector Composites (7702), (7703), (7801F)

13.105. CONNECTOR COMPOSITES (7801M), (7802), (7803), (7804), (7900), (7901),  
 P. 92

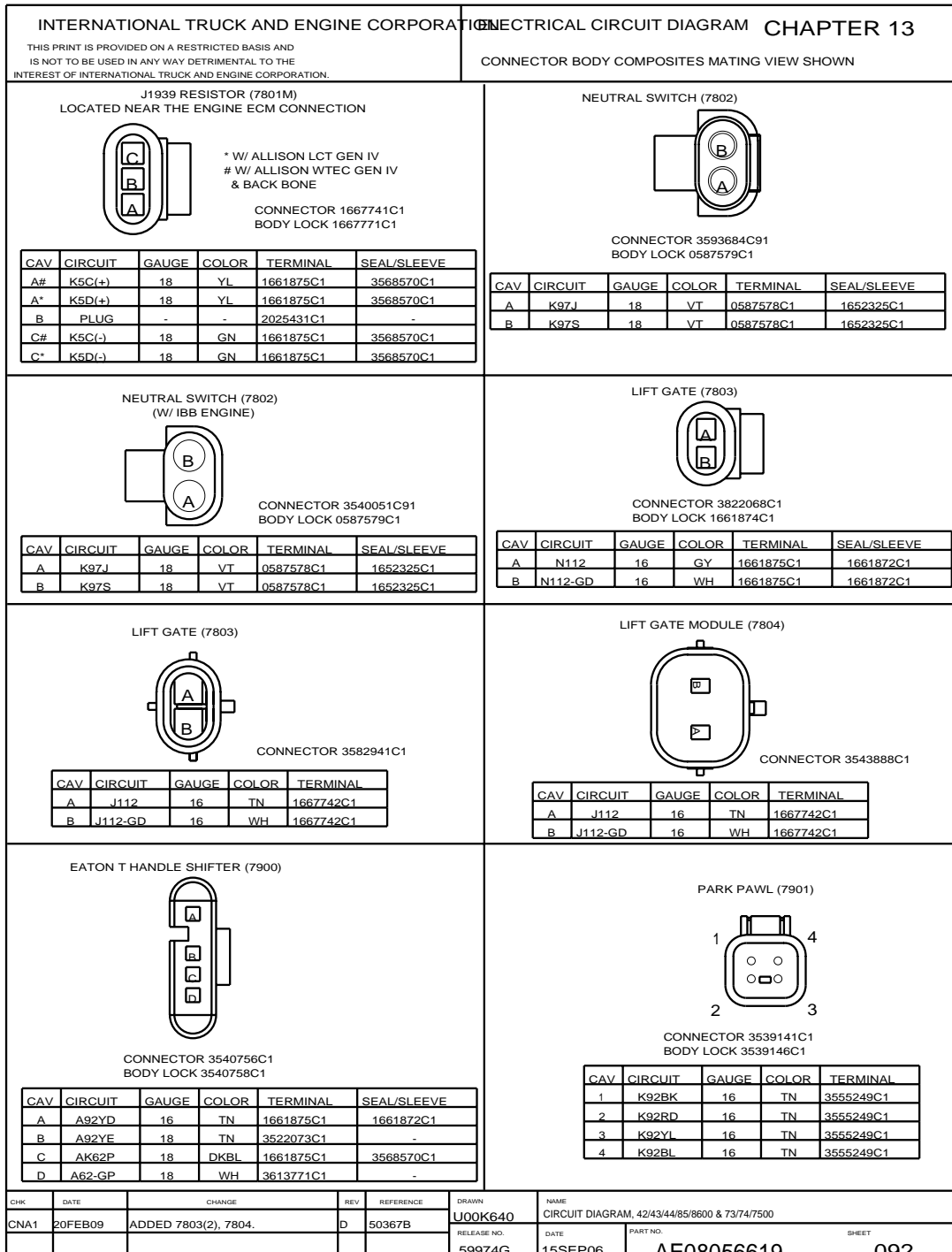


Figure 351 Connector Composites (7801M), (7802), (7803), (7804), (7900), (7901)

13.106. CONNECTOR COMPOSITES (7905), (7909), P. 93

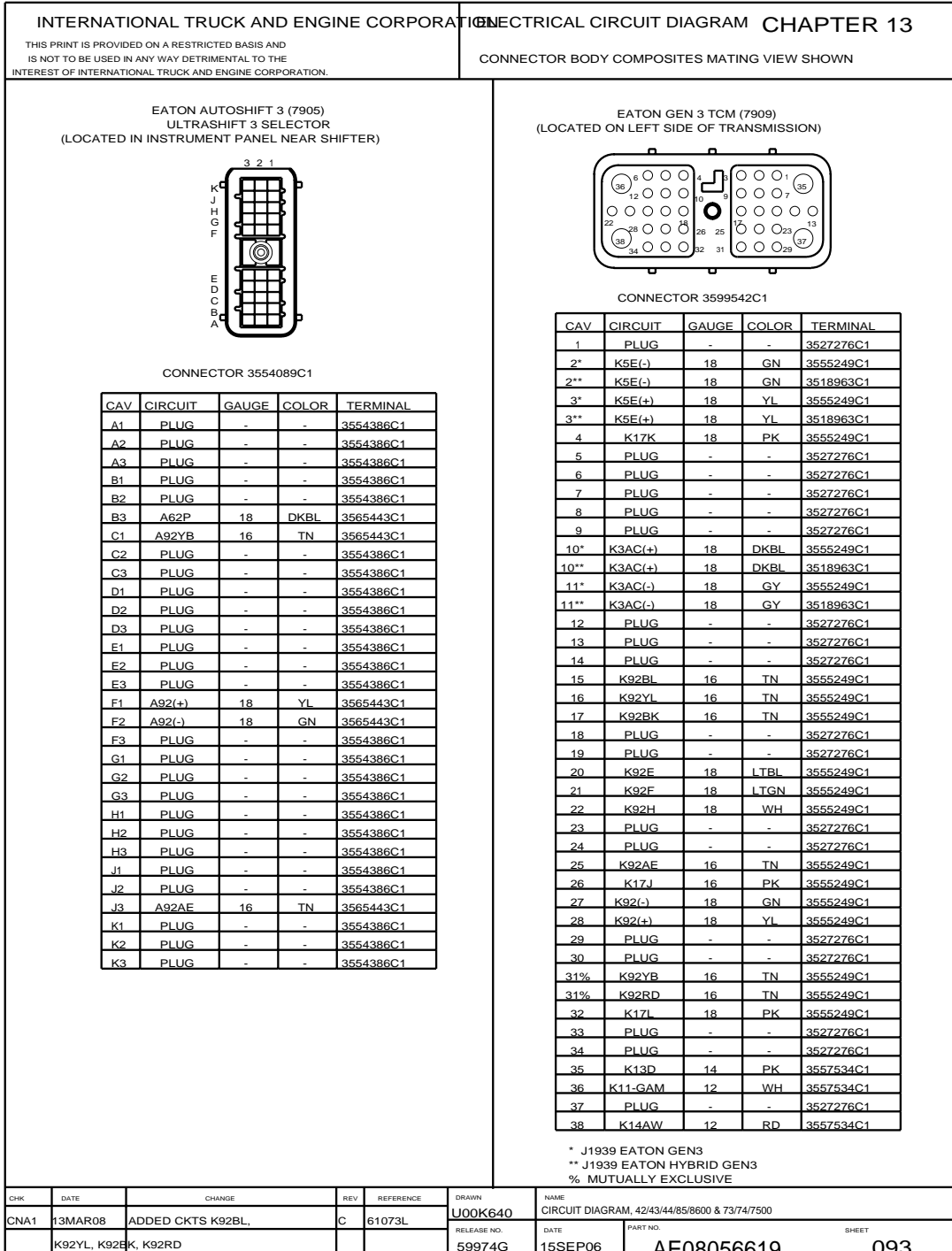


Figure 352 Connector Composites (7905), (7909)

13.107. CONNECTOR COMPOSITES (7910), (7911), P. 93A

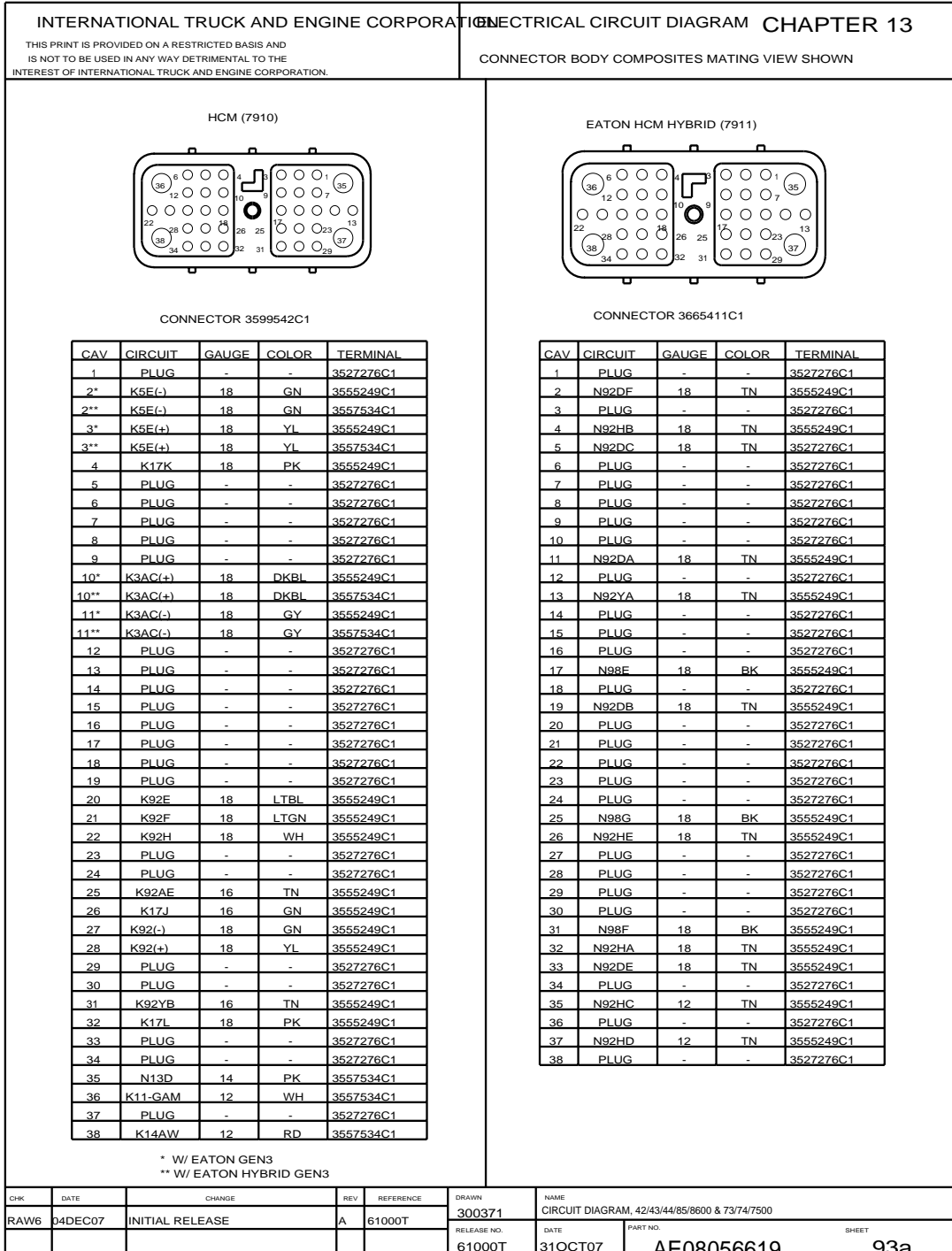


Figure 353 Connector Composites (7910), (7911)

13.108. CONNECTOR COMPOSITES (8000), (8001), (8102), (8103), (8150), (8151), P. 94

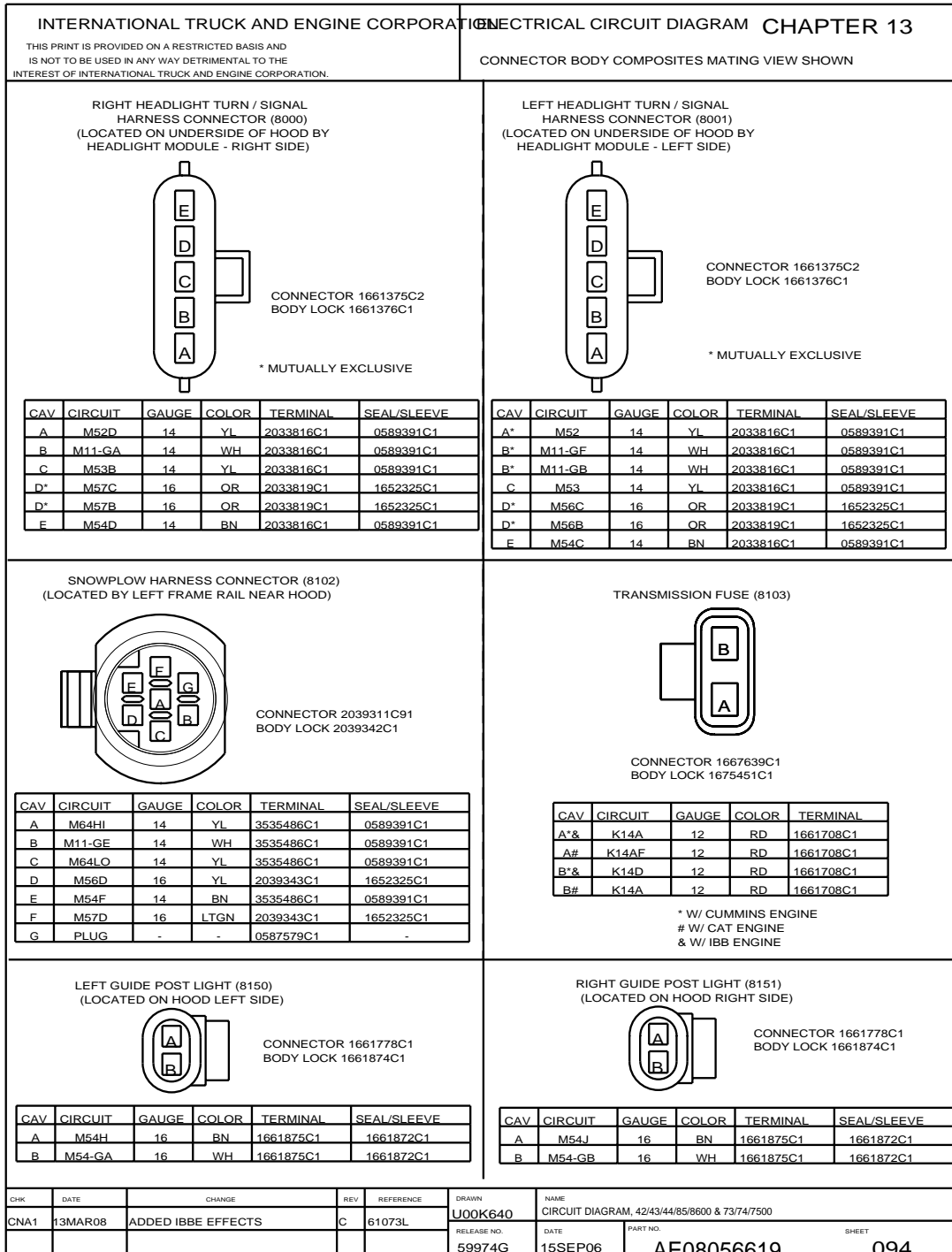
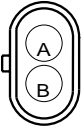
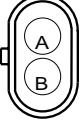



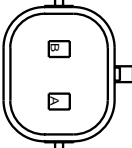
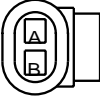


Figure 354 Connector Composites (8000), (8001), (8102), (8103), (8150), (8151)

**13.109. CONNECTOR COMPOSITES (8200), (8201), (8301), (8303), (8305), (8310), (8311), P. 95**

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																									
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																									
RIGHT FOG LIGHT (8200) (LOCATED AT THE FORWARD END OF RIGHT FRAME RAIL)				LEFT FOG LIGHT (8201) (LOCATED AT THE FORWARD END OF LEFT FRAME RAIL)																																																									
 CONNECTOR 0587567C91				 CONNECTOR 0587567C91																																																									
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M64B</td> <td>16</td> <td>YL</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>A*</td> <td>M64A</td> <td>16</td> <td>YL</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M64-GB</td> <td>16</td> <td>WH</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M64B	16	YL	0587577C1	1652325C1	A*	M64A	16	YL	0587577C1	1652325C1	B	M64-GB	16	WH	0587577C1	1652325C1		<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M64A</td> <td>16</td> <td>YL</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>A*</td> <td>M64B</td> <td>16</td> <td>YL</td> <td>0587577C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M64-GA</td> <td>16</td> <td>WH</td> <td>0587577C1</td> <td>1652325C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M64A	16	YL	0587577C1	1652325C1	A*	M64B	16	YL	0587577C1	1652325C1	B	M64-GA	16	WH	0587577C1	1652325C1											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M64B	16	YL	0587577C1	1652325C1																																																								
A*	M64A	16	YL	0587577C1	1652325C1																																																								
B	M64-GB	16	WH	0587577C1	1652325C1																																																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M64A	16	YL	0587577C1	1652325C1																																																								
A*	M64B	16	YL	0587577C1	1652325C1																																																								
B	M64-GA	16	WH	0587577C1	1652325C1																																																								
* W/ RH - HDD				* W/ RH - HDD																																																									
ELECTRIC HORN (8301) (LOCATED ON LEFT FRAME RAIL BY ENGINE CROSSMEMBER)				ELECTRIC HORN #1 (8303) (LOCATED UNDER ENGINE CROSSMEMBER)																																																									
 CONNECTOR 1661778C1 BODY LOCK 1661874C1				 CONNECTOR 1661778C1 BODY LOCK 1661874C1																																																									
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85E</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GA</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M85E	16	GY	1661875C1	1661872C1	B	M85-GA	16	WH	1661875C1	1661872C1		<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A#</td> <td>M85H</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A*</td> <td>M85E</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B#</td> <td>M85-GJ</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B*</td> <td>M85-GF</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A#	M85H	16	GY	1661875C1	1661872C1	A*	M85E	16	GY	1661875C1	1661872C1	B#	M85-GJ	16	WH	1661875C1	1661872C1	B*	M85-GF	16	WH	1661875C1	1661872C1											
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M85E	16	GY	1661875C1	1661872C1																																																								
B	M85-GA	16	WH	1661875C1	1661872C1																																																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A#	M85H	16	GY	1661875C1	1661872C1																																																								
A*	M85E	16	GY	1661875C1	1661872C1																																																								
B#	M85-GJ	16	WH	1661875C1	1661872C1																																																								
B*	M85-GF	16	WH	1661875C1	1661872C1																																																								
* W/ SINGLE HORN				# W/ DUAL HORN																																																									
ELECTRIC HORN #2 (8305) (LOCATED UNDER ENGINE CROSSMEMBER)				ELECTRIC HORN (8310) (LOCATED ON LEFT FRAME RAIL BY ENGINE CROSSMEMBER)																																																									
 CONNECTOR 1661778C1 BODY LOCK 1661874C1				 CONNECTOR 3543888C1 BODY LOCK 1661874C1																																																									
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85J</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GG</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M85J	16	GY	1661875C1	1661872C1	B	M85-GG	16	WH	1661875C1	1661872C1		<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85J</td> <td>16</td> <td>GY</td> <td>1667742C1</td> <td>1661872C1</td> </tr> <tr> <td>B</td> <td>M85-GC</td> <td>16</td> <td>WH</td> <td>1667742C1</td> <td>1661872C1</td> </tr> </tbody> </table>	CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M85J	16	GY	1667742C1	1661872C1	B	M85-GC	16	WH	1667742C1	1661872C1																							
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M85J	16	GY	1661875C1	1661872C1																																																								
B	M85-GG	16	WH	1661875C1	1661872C1																																																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M85J	16	GY	1667742C1	1661872C1																																																								
B	M85-GC	16	WH	1667742C1	1661872C1																																																								
ELECTRIC HORN #1 (8311) (LOCATED UNDER ENGINE CROSSMEMBER)				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M85L</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A%</td> <td>M85J</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A##</td> <td>M85K</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A**</td> <td>M85E</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B#</td> <td>M85-GE</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B**</td> <td>M85-GB</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B%</td> <td>M85-GC</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B##</td> <td>M85-GD</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M85L	16	GY	1661875C1	1661872C1	A%	M85J	16	GY	1661875C1	1661872C1	A##	M85K	16	GY	1661875C1	1661872C1	A**	M85E	16	GY	1661875C1	1661872C1	B#	M85-GE	16	WH	1661875C1	1661872C1	B**	M85-GB	16	WH	1661875C1	1661872C1	B%	M85-GC	16	WH	1661875C1	1661872C1	B##	M85-GD	16	WH	1661875C1	1661872C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M85L	16	GY	1661875C1	1661872C1																																																								
A%	M85J	16	GY	1661875C1	1661872C1																																																								
A##	M85K	16	GY	1661875C1	1661872C1																																																								
A**	M85E	16	GY	1661875C1	1661872C1																																																								
B#	M85-GE	16	WH	1661875C1	1661872C1																																																								
B**	M85-GB	16	WH	1661875C1	1661872C1																																																								
B%	M85-GC	16	WH	1661875C1	1661872C1																																																								
B##	M85-GD	16	WH	1661875C1	1661872C1																																																								
 CONNECTOR 1661778C1 BODY LOCK 1661874C1				# W/ DUAL HORN W/ SS ** W/ SINGLE HORN W/ SS % W/ SINGLE HORN W/ MD, W/ RH, W/ RH - MRD ## W/ DUAL HORN W/ MD, W/ RH, W/ RH - MRD																																																									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																							
CNA1	20FEB09	REVISED CONN 8311	B	50367B	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																							
		CIRCUITS AND DWG TITLE.			RELEASE NO.	DATE																																																							
					59974G	15SEP06																																																							
						PART NO.																																																							
						AE08056619																																																							
						SHEET																																																							
						095																																																							

**Figure 355 Connector Composites (8200), (8201), (8301), (8303), (8305), (8310), (8311)**

13.110. CONNECTOR COMPOSITES (8312), (8410), (8500), (8501), (8502), (8502A), P. 96

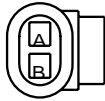
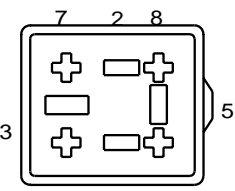
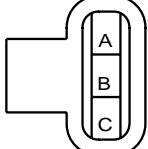
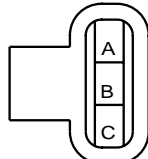
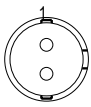

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																									
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																									
ELECTRIC HORN #2 (8312) (LOCATED UNDER ENGINE CROSSMEMBER)																																																													
				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A#</td> <td>M85M</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>A*</td> <td>M85L</td> <td>16</td> <td>GY</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B*</td> <td>M85-GF</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> <tr> <td>B#</td> <td>M85-GD</td> <td>16</td> <td>WH</td> <td>1661875C1</td> <td>1661872C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A#	M85M	16	GY	1661875C1	1661872C1	A*	M85L	16	GY	1661875C1	1661872C1	B*	M85-GF	16	WH	1661875C1	1661872C1	B#	M85-GD	16	WH	1661875C1	1661872C1																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A#	M85M	16	GY	1661875C1	1661872C1																																																								
A*	M85L	16	GY	1661875C1	1661872C1																																																								
B*	M85-GF	16	WH	1661875C1	1661872C1																																																								
B#	M85-GD	16	WH	1661875C1	1661872C1																																																								
CONNECTOR 1661778C1 BODY LOCK 1661874C2				* W/ MD, W/ RH, W/ RH - MRD # W/ SS																																																									
COLD START ASSIST RELAY (8410) (W/ IBB ENGINE)																																																													
				<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>K21A1</td> <td>12</td> <td>TN</td> <td>3664983C1</td> <td>3664987C1</td> </tr> <tr> <td>2</td> <td>K21A2</td> <td>12</td> <td>TN</td> <td>3664983C1</td> <td>3664987C1</td> </tr> <tr> <td>3</td> <td>K14A1</td> <td>8</td> <td>RD</td> <td>3664982C1</td> <td>3664986C1</td> </tr> <tr> <td>5</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3664989C1</td> <td>-</td> </tr> <tr> <td>6</td> <td>K21B1</td> <td>18</td> <td>TN</td> <td>3664984C1</td> <td>3664988C1</td> </tr> <tr> <td>7</td> <td>K21B2</td> <td>18</td> <td>TN</td> <td>3664984C1</td> <td>3664988C1</td> </tr> <tr> <td>8</td> <td>K21B3</td> <td>18</td> <td>TN</td> <td>3664984C1</td> <td>3664988C1</td> </tr> <tr> <td>9</td> <td>PLUG</td> <td>-</td> <td>-</td> <td>3664989C1</td> <td>-</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	K21A1	12	TN	3664983C1	3664987C1	2	K21A2	12	TN	3664983C1	3664987C1	3	K14A1	8	RD	3664982C1	3664986C1	5	PLUG	-	-	3664989C1	-	6	K21B1	18	TN	3664984C1	3664988C1	7	K21B2	18	TN	3664984C1	3664988C1	8	K21B3	18	TN	3664984C1	3664988C1	9	PLUG	-	-	3664989C1	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
1	K21A1	12	TN	3664983C1	3664987C1																																																								
2	K21A2	12	TN	3664983C1	3664987C1																																																								
3	K14A1	8	RD	3664982C1	3664986C1																																																								
5	PLUG	-	-	3664989C1	-																																																								
6	K21B1	18	TN	3664984C1	3664988C1																																																								
7	K21B2	18	TN	3664984C1	3664988C1																																																								
8	K21B3	18	TN	3664984C1	3664988C1																																																								
9	PLUG	-	-	3664989C1	-																																																								
CONNECTOR 3664985C1																																																													
BENDIX LEFT ABS MODULATOR (8500) (LOCATED ON LEFT FRAME RAIL BY FRONT AXLE)				BENDIX RIGHT ABS MODULATOR (8501) (LOCATED ON RIGHT FRAME RAIL BY FRONT AXLE)																																																									
																																																													
CONNECTOR 1686834C1 BODY LOCK 1664408C1				CONNECTOR 1686834C1 BODY LOCK 1664408C1																																																									
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M94</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M94A</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>M94B</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M94	18	GY	2033819C1	1652325C1	B	M94A	18	GY	2033819C1	1652325C1	C	M94B	18	GY	2033819C1	1652325C1	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>M94H</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>M94J</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>M94K</td> <td>18</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	M94H	18	GY	2033819C1	1652325C1	B	M94J	18	GY	2033819C1	1652325C1	C	M94K	18	GY	2033819C1	1652325C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M94	18	GY	2033819C1	1652325C1																																																								
B	M94A	18	GY	2033819C1	1652325C1																																																								
C	M94B	18	GY	2033819C1	1652325C1																																																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																								
A	M94H	18	GY	2033819C1	1652325C1																																																								
B	M94J	18	GY	2033819C1	1652325C1																																																								
C	M94K	18	GY	2033819C1	1652325C1																																																								
LEFT FRONT HYD ABS (8502) WHEEL SENSOR (LOCATED AT LEFT FRONT WHEEL)				BENDIX LEFT FRONT AIR (8502A) ABS SPEED SENSOR (LOCATED ON LEFT FRAME RAIL BY FRONT AXLE)																																																									
																																																													
CONNECTOR 3519878C1				CONNECTOR 1684261C1 BODY LOCK 1684263C1																																																									
<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>IM94L+I</td> <td>18</td> <td>BK</td> <td>ASSY</td> </tr> <tr> <td>2</td> <td>IM94L-I</td> <td>18</td> <td>BN</td> <td>ASSY</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	IM94L+I	18	BK	ASSY	2	IM94L-I	18	BN	ASSY	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>M94C</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> <tr> <td>2</td> <td>M94D</td> <td>18</td> <td>GY</td> <td>1680205C1</td> </tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	M94C	18	GY	1680205C1	2	M94D	18	GY	1680205C1																								
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
1	IM94L+I	18	BK	ASSY																																																									
2	IM94L-I	18	BN	ASSY																																																									
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																									
1	M94C	18	GY	1680205C1																																																									
2	M94D	18	GY	1680205C1																																																									
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																							
CNA1	08MAY08	CONN 8410 DESC WAS	C	61296K	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																							
FLAME START					59974G	DATE	PART NO.																																																						
						15SEP06	AE08056619																																																						
							SHEET 096																																																						

Figure 356 Connector Composites (8312), (8410), (8500), (8501), (8502), (8502A)



13.111. CONNECTOR COMPOSITES (8503), (8503A), (8505), (8506), (8507), (8508), P. 97

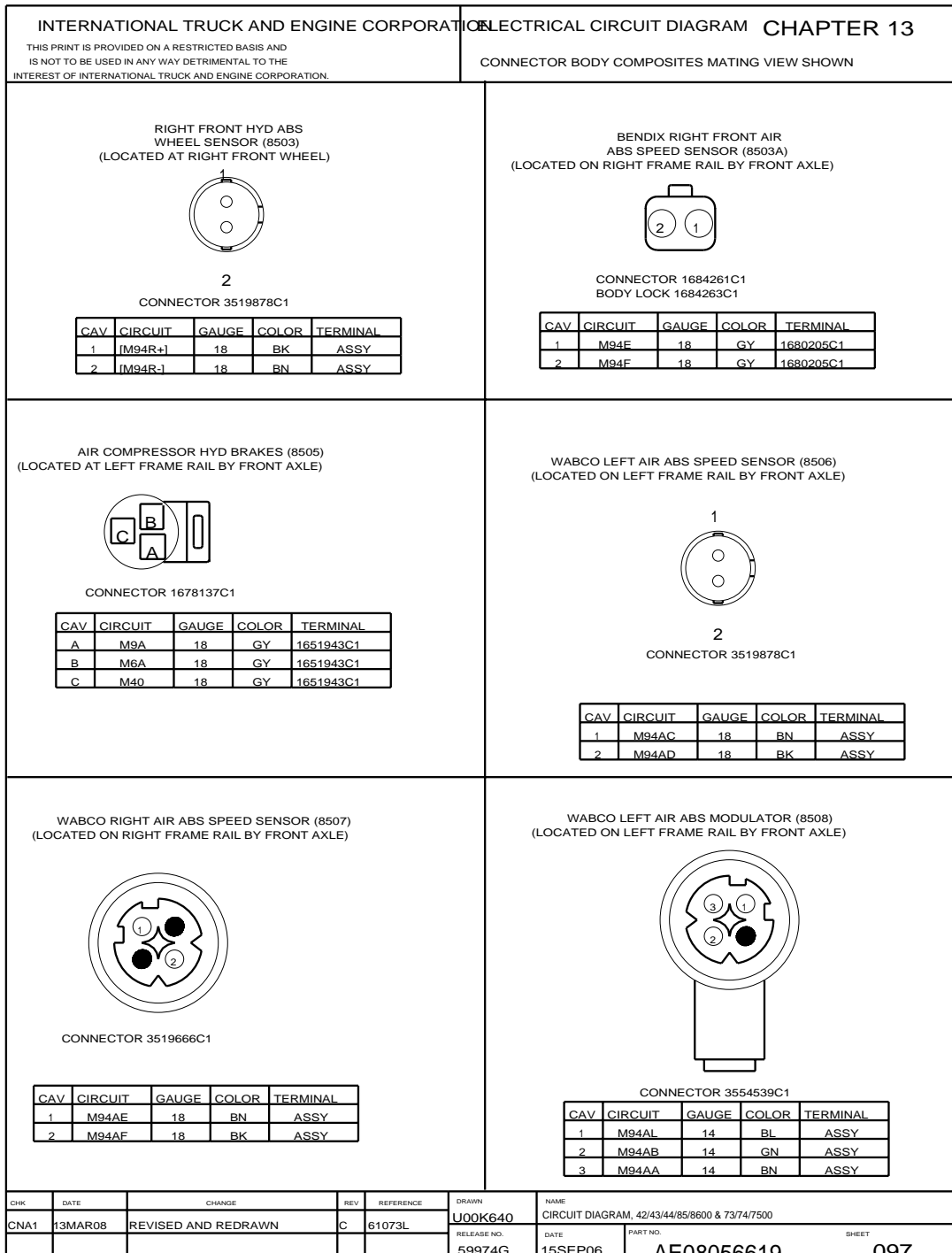


Figure 357 Connector Composites (8503), (8503A), (8505), (8506), (8507), (8508)

13.112. CONNECTOR COMPOSITES (8509), (8601), (8602), (8700), (8701), (8750), P. 97A

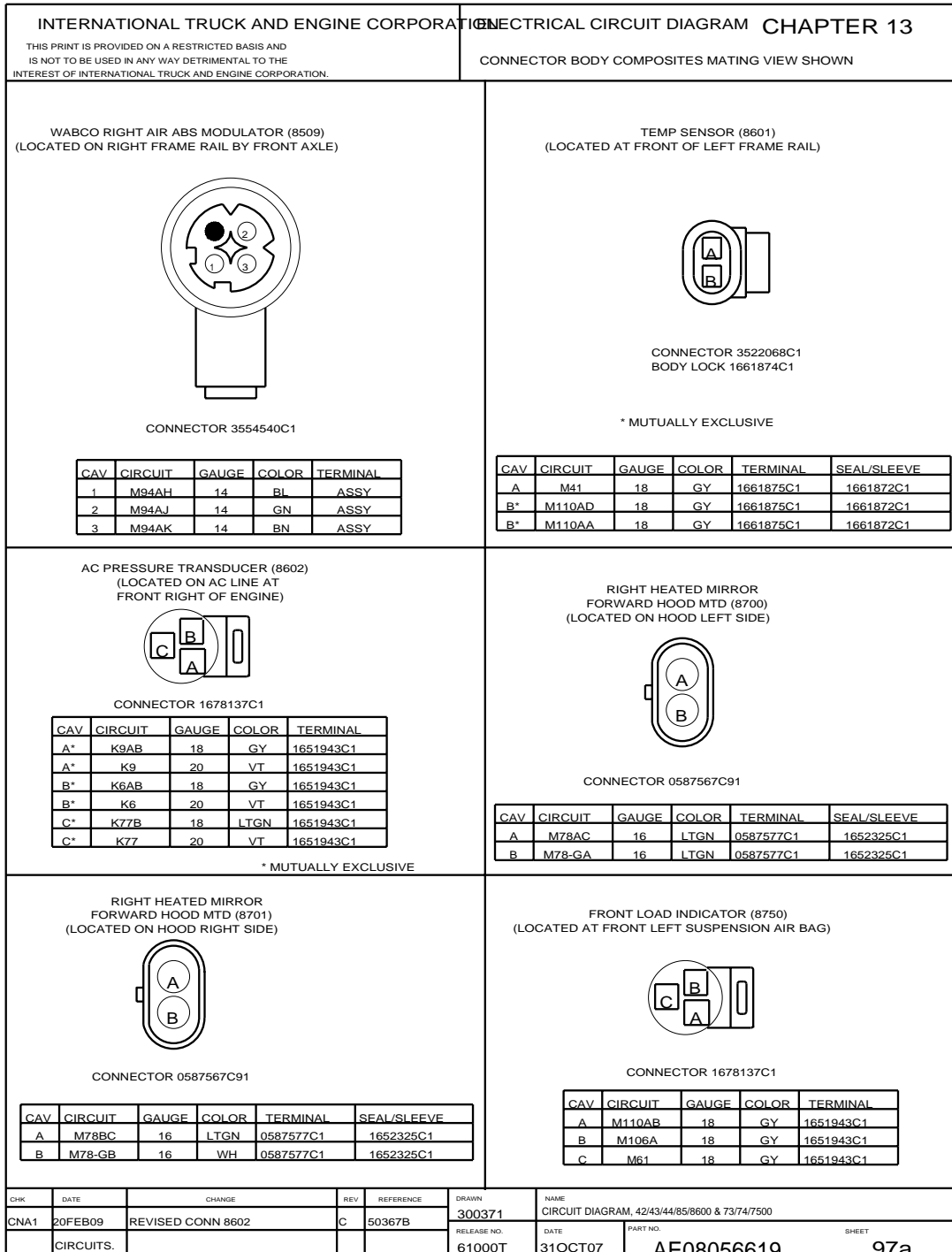


Figure 358 Connector Composites (8509), (8601), (8602), (8700), (8701), (8750)

13.113. CONNECTOR COMPOSITES (8800), (8801), (8802), (8803), P. 98

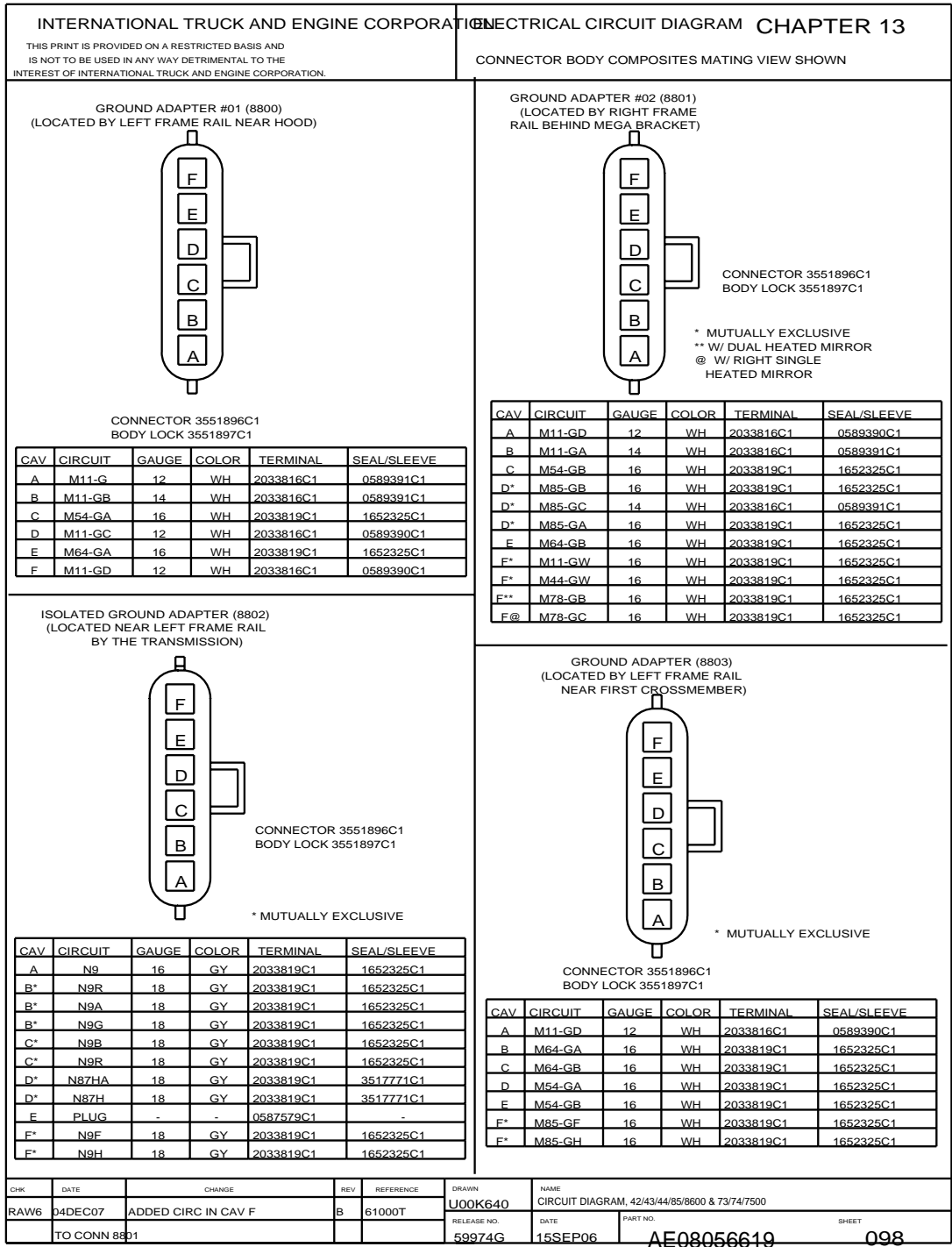


Figure 359 Connector Composites (8800), (8801), (8802), (8803)

13.114. CONNECTOR COMPOSITES (8805), (8806), P. 99

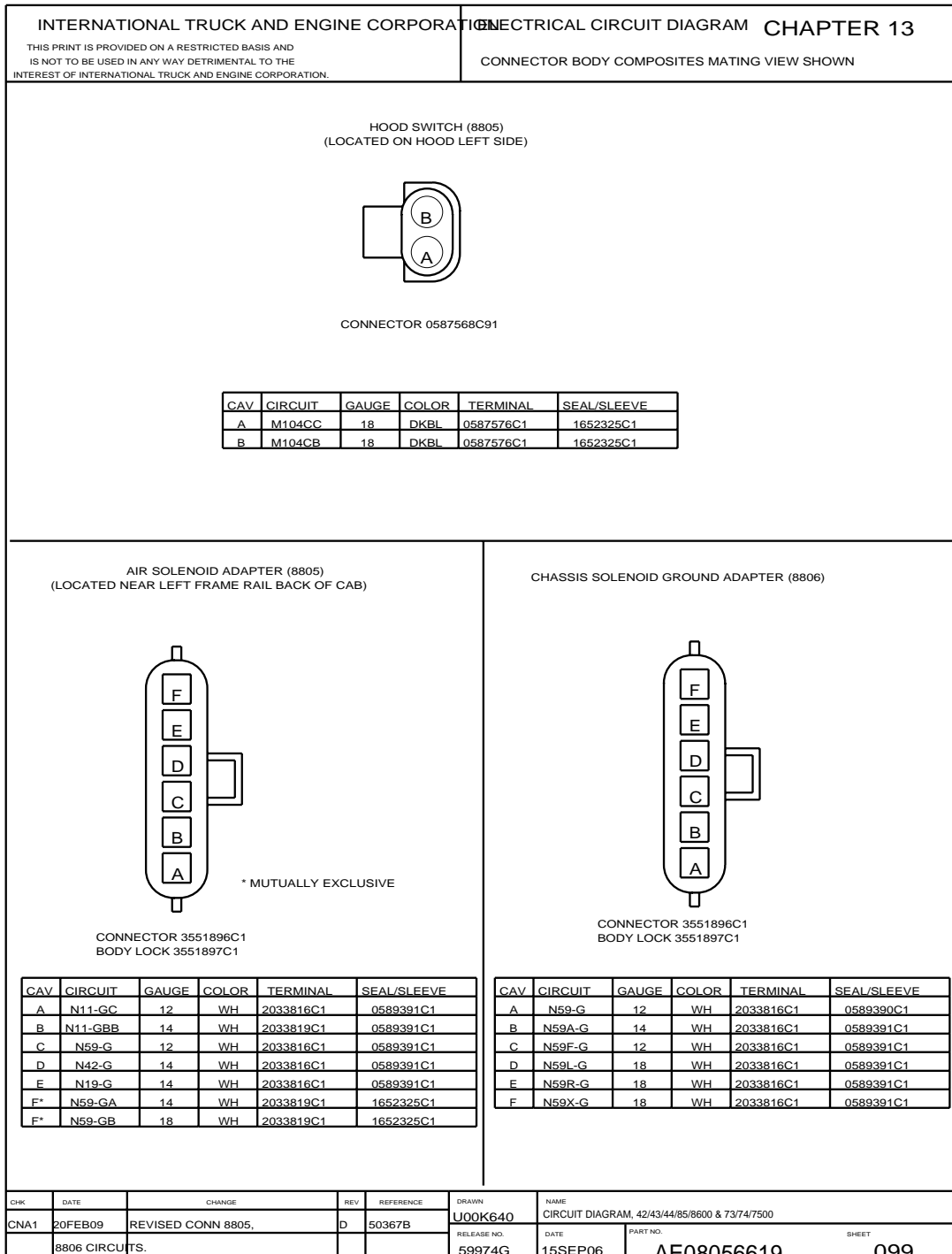


Figure 360 Connector Composites (8805), (8806)

13.115. CONNECTOR COMPOSITES (8995), (8996), (8997), (8998), (8999), P. 99A

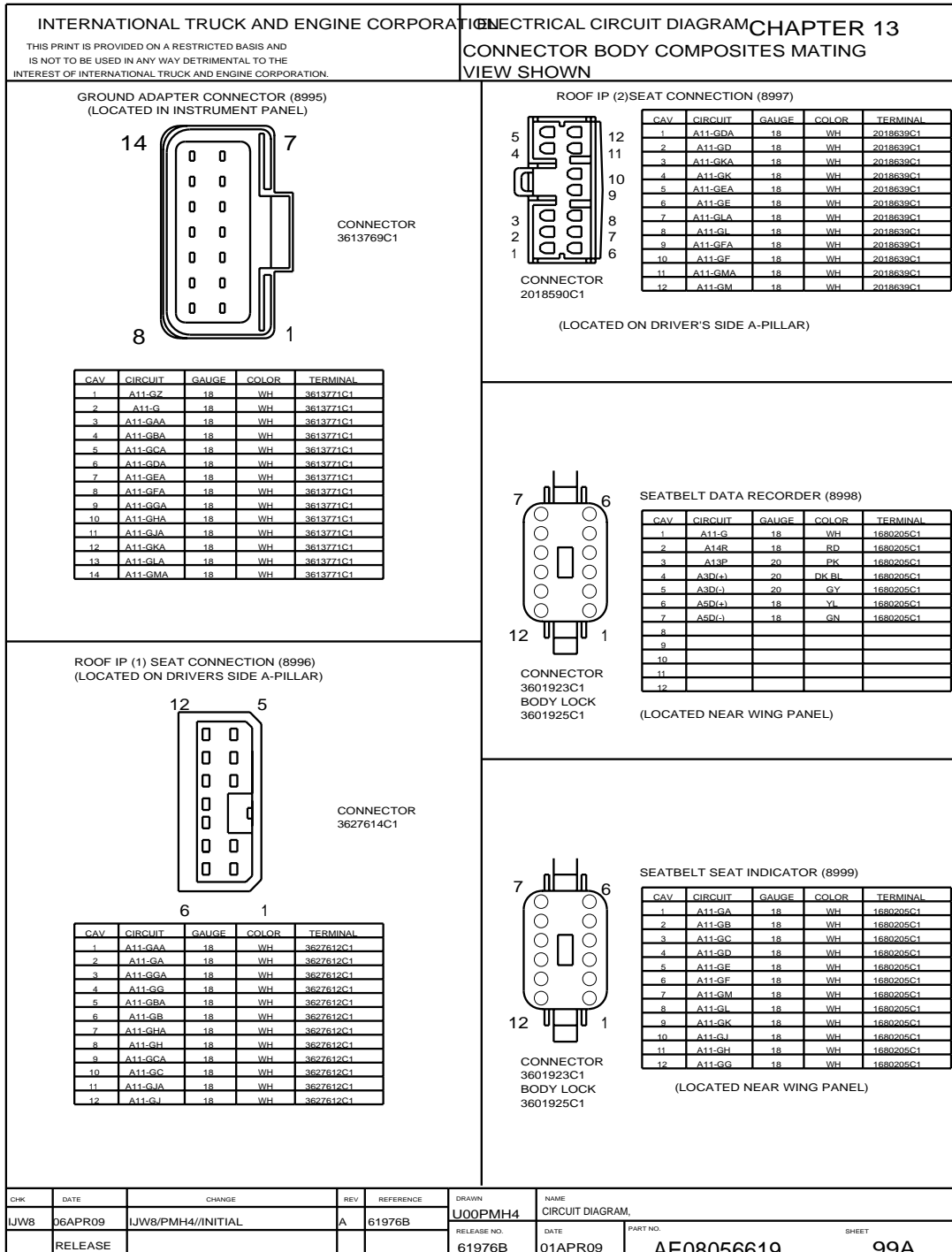


Figure 361 Connector Composites (8995), (8996), (8997), (8998), (8999)

13.116. CONNECTOR COMPOSITES (8807), (8809), (8900), (9001), P. 100

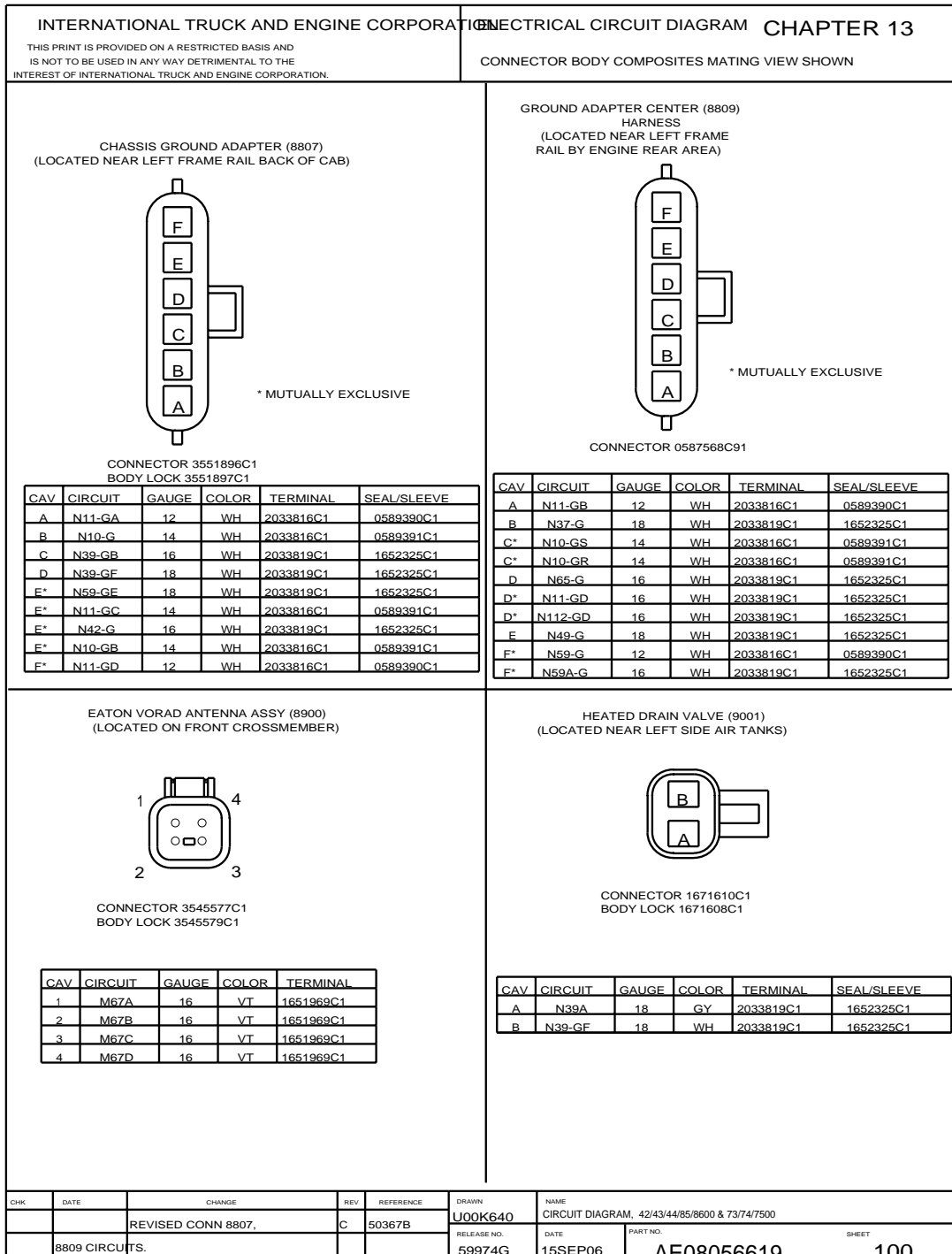
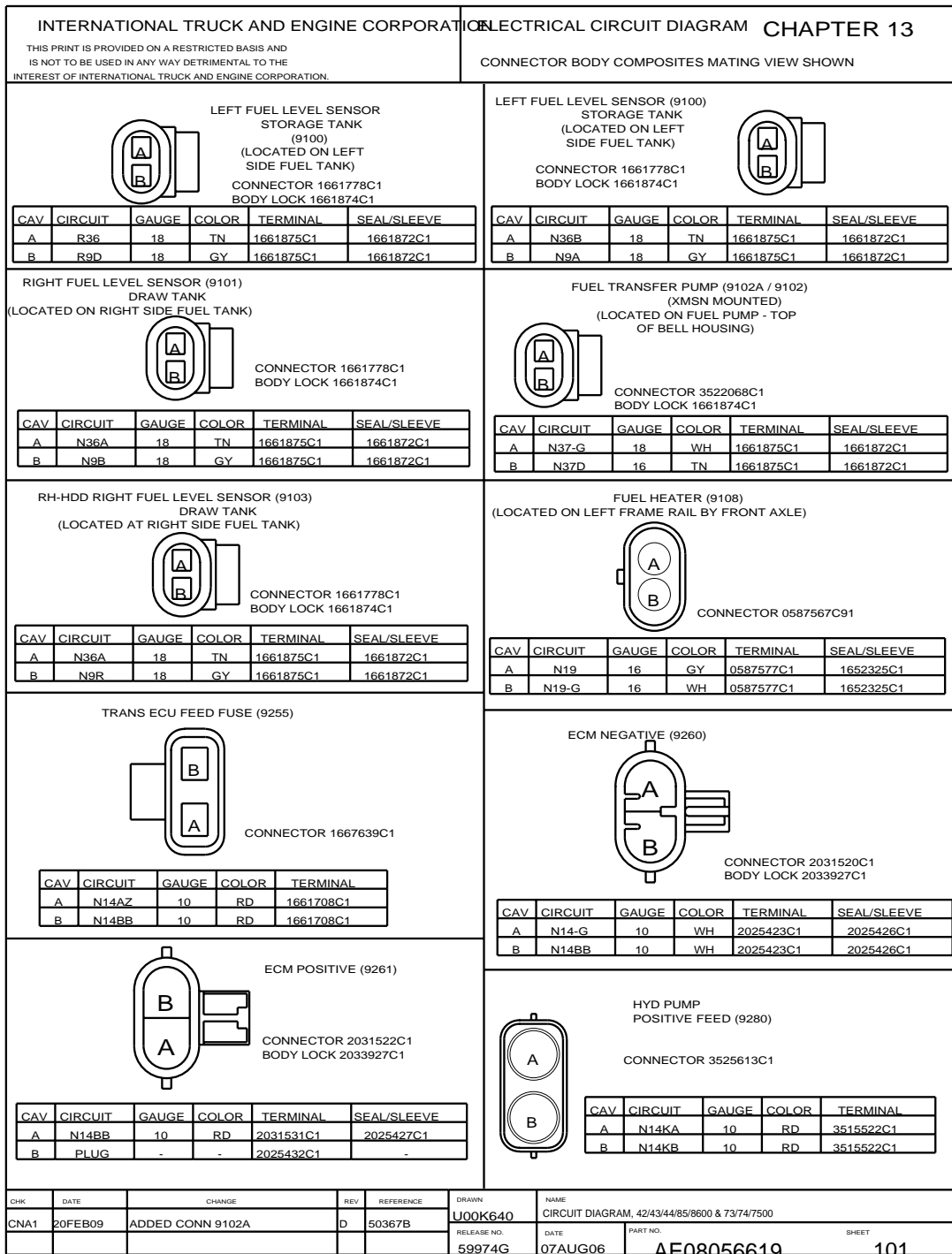


Figure 362 Connector Composites (8807), (8809), (8900), (9001)

**13.117. CONNECTOR COMPOSITES (9100), (9101), (9102A/9102), (9103), (9108), (9255), (9260), (9261), (9280), P. 101**



**Figure 363 Connector Composites (9100), (9101), (9102A/9102), (9103), (9108), (9255), (9260), (9261), (9280)**

13.118. CONNECTOR COMPOSITES (9300), (9303), P. 102

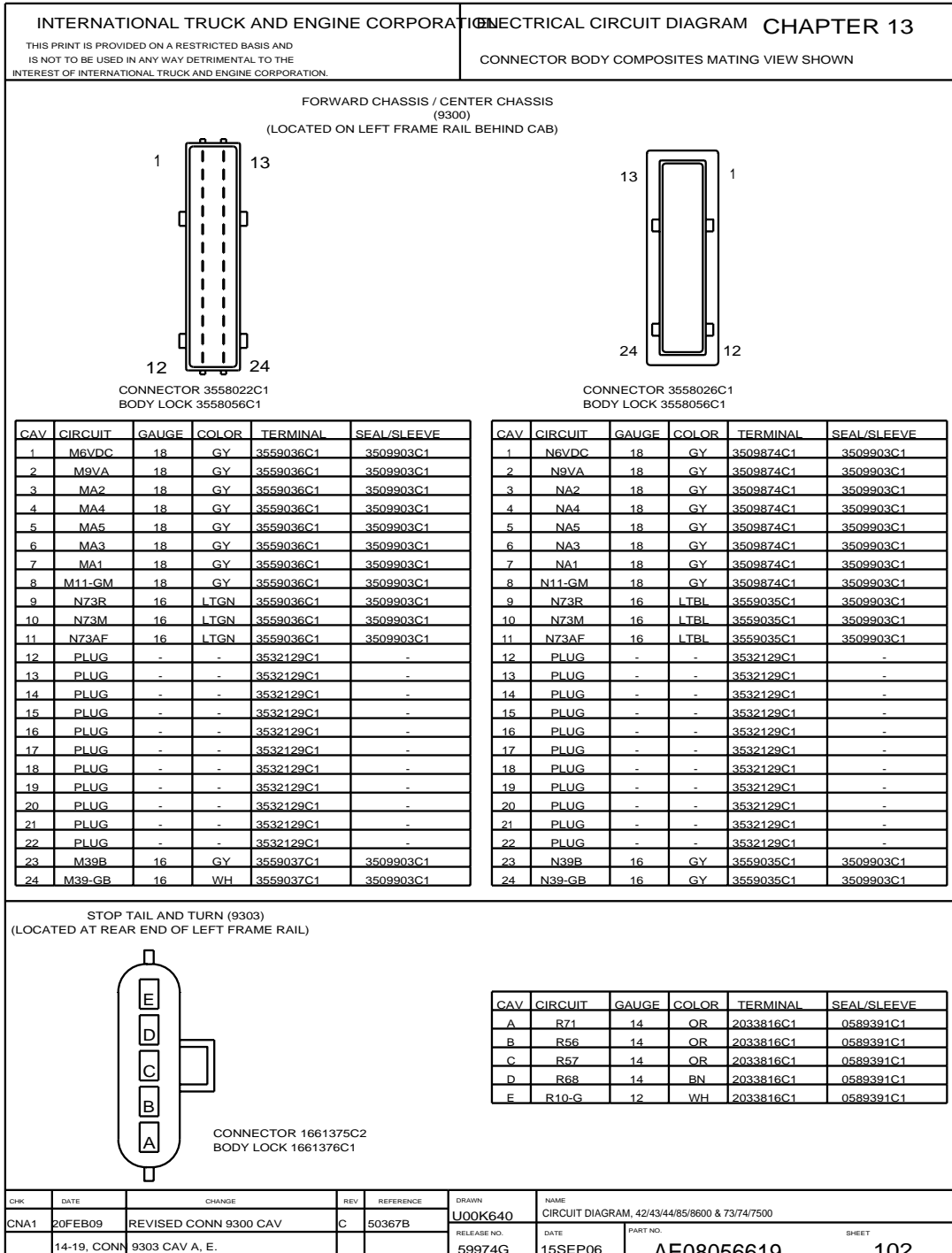


Figure 364 Connector Composites (9300), (9303)



**13.119. CONNECTOR COMPOSITES (9310), (9311), (9315), (9316), (9501), (9502), (9503), (9504), P. 103**

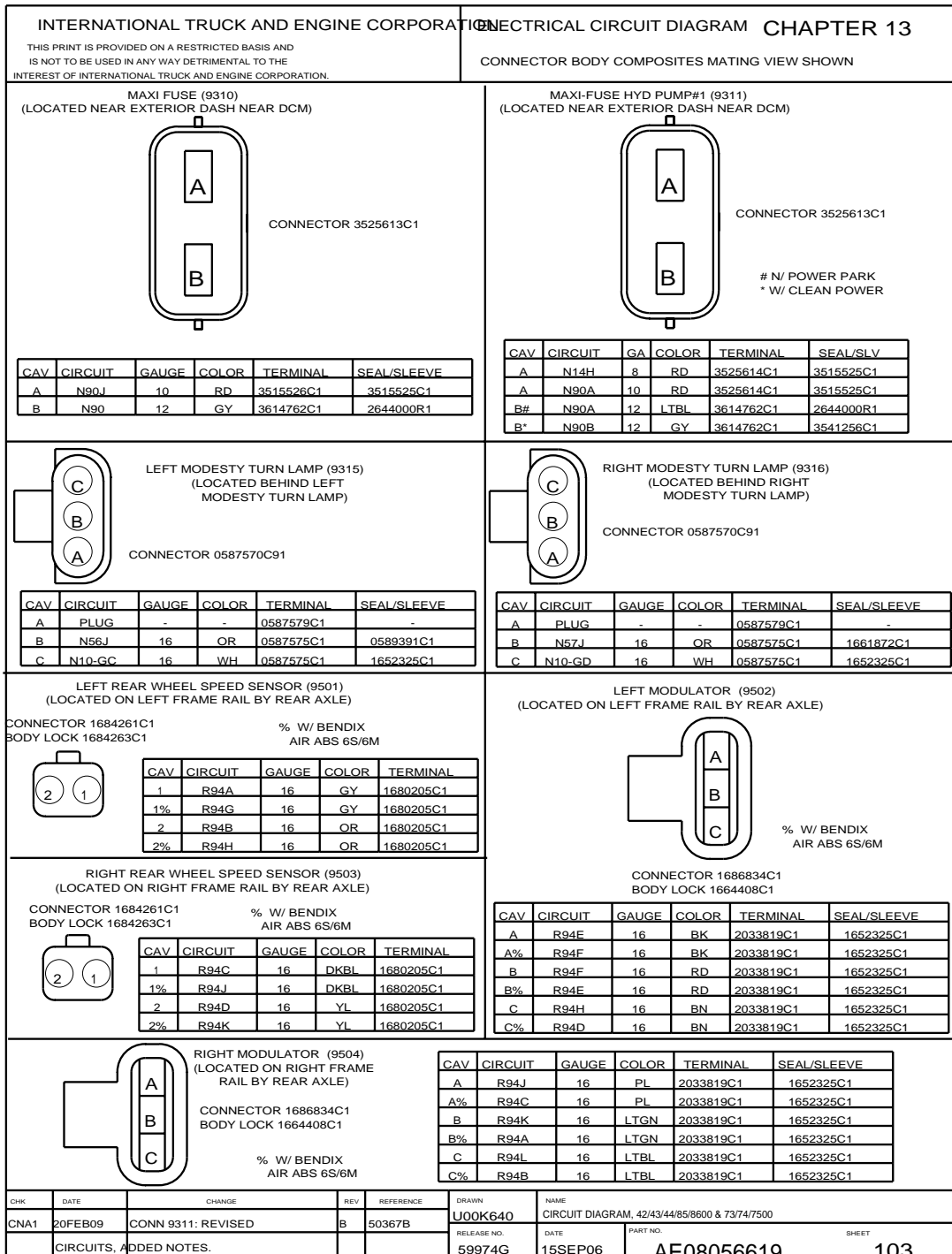
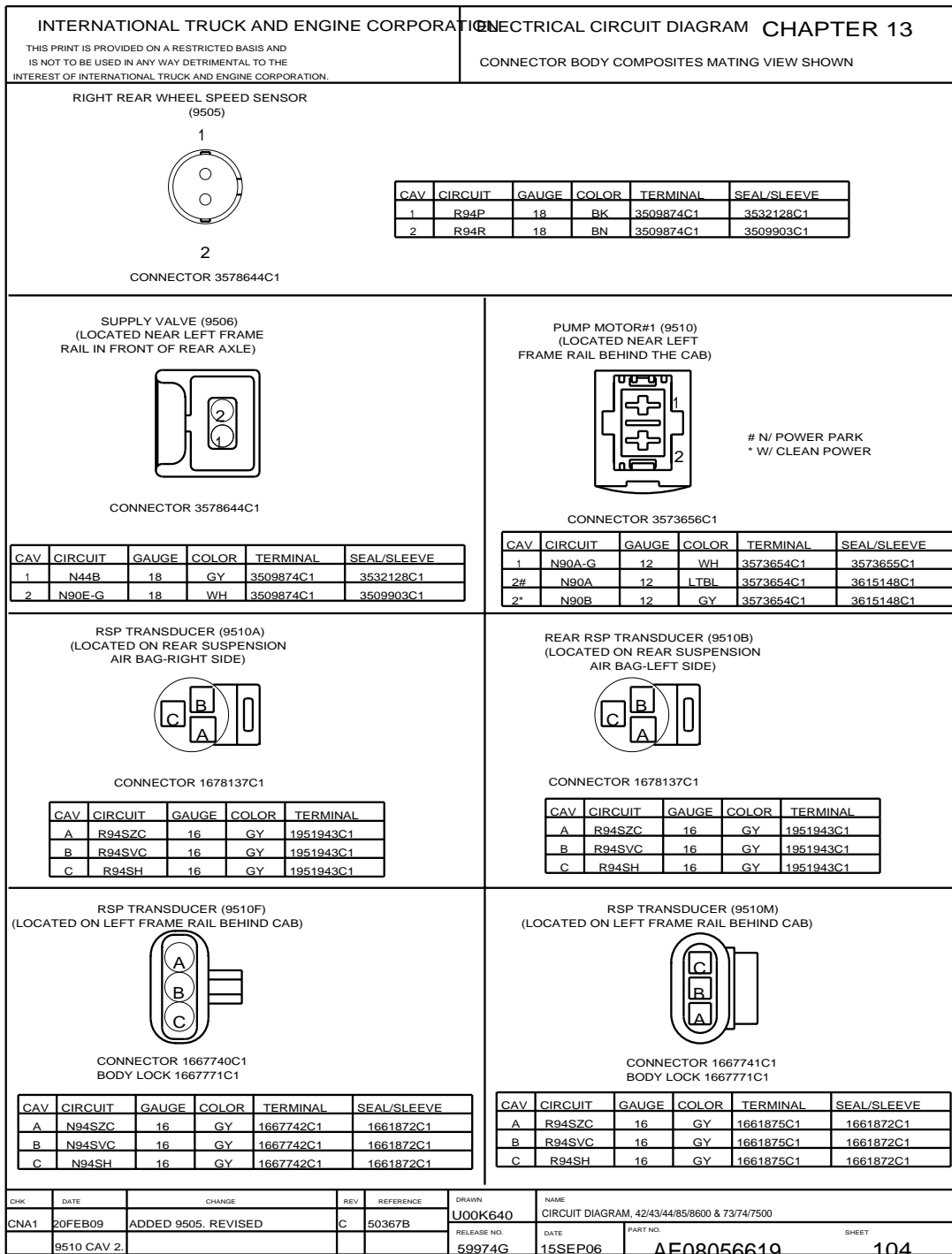


Figure 365 Connector Composites (9310), (9311), (9315), (9316), (9501), (9502), (9503), (9504)

**13.120. CONNECTOR COMPOSITES (9505), (9506), (9510), (9510A), (9510B), (9510F), (9510M), P. 104**



**Figure 366 Connector Composites (9505), (9506), (9510), (9510A), (9510B), (9510F), (9510M)**

13.121. CONNECTOR COMPOSITE (9511), P. 105

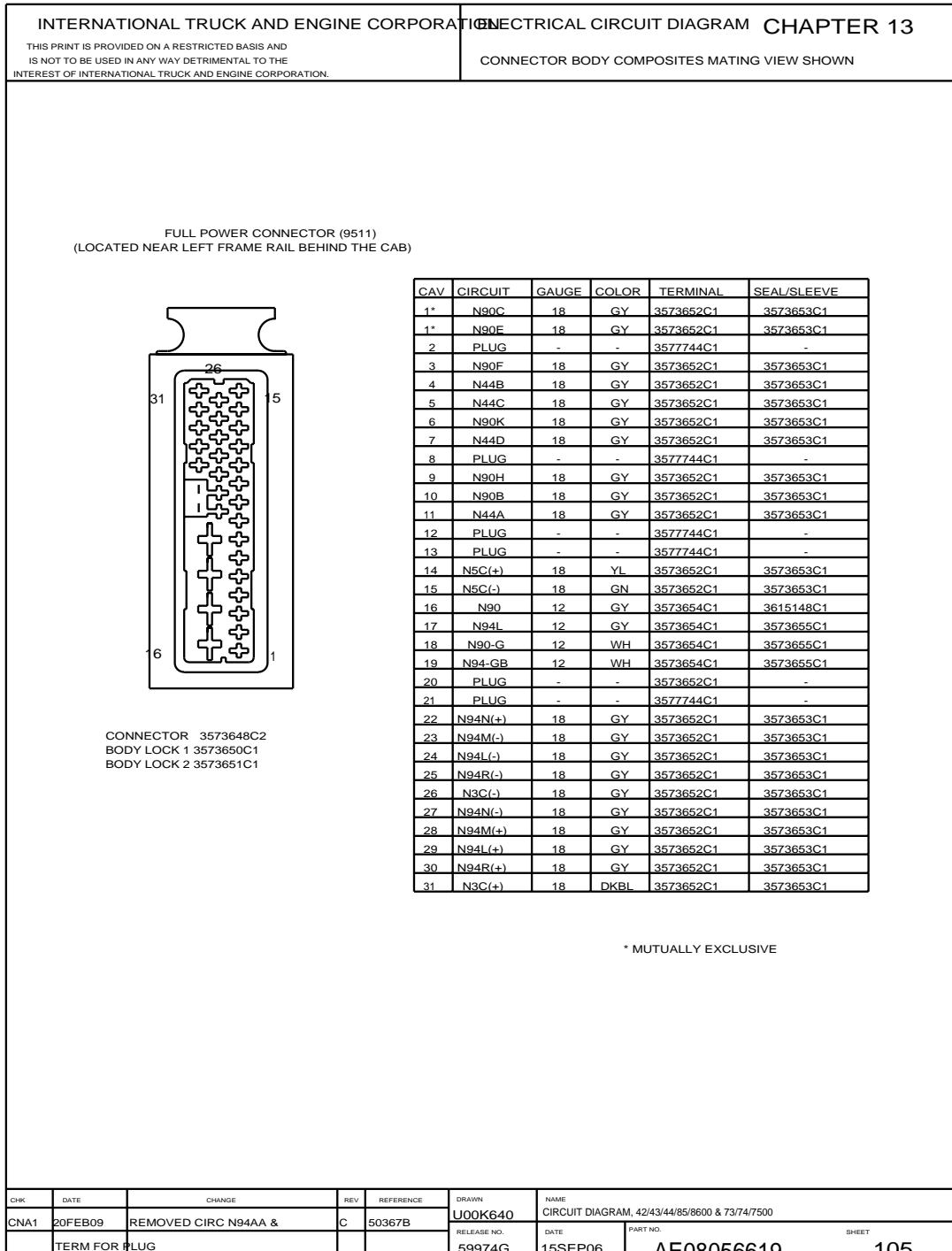


Figure 367 Connector Composite (9511)

13.122. CONNECTOR COMPOSITES (9512), (9513), (9514), P. 106


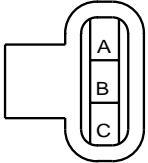
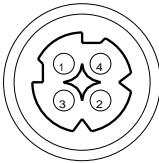
INTERNATIONAL TRUCK AND ENGINE CORPORATION <small>THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.</small>		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13 CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																															
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>BENDIX TTC (9512)</p>  <p>CONNECTOR 3518183C1 BODY LOCK 3518174C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N94SJ</td> <td>16</td> <td>GY</td> <td>3518961C1</td> </tr> <tr> <td>2</td> <td>N94SK</td> <td>16</td> <td>GY</td> <td>3518961C1</td> </tr> </tbody> </table> </div> </div>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	N94SJ	16	GY	3518961C1	2	N94SK	16	GY	3518961C1															
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																													
1	N94SJ	16	GY	3518961C1																													
2	N94SK	16	GY	3518961C1																													
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>TRAILER MODULATOR (9513)</p>  <p>CONNECTOR 1686834C1 BODY LOCK 1664408C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N94SM</td> <td>16</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>N94SN</td> <td>16</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>N94SL</td> <td>16</td> <td>GY</td> <td>2033819C1</td> <td>1652325C1</td> </tr> </tbody> </table> </div> </div>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N94SM	16	GY	2033819C1	1652325C1	B	N94SN	16	GY	2033819C1	1652325C1	C	N94SL	16	GY	2033819C1	1652325C1						
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																												
A	N94SM	16	GY	2033819C1	1652325C1																												
B	N94SN	16	GY	2033819C1	1652325C1																												
C	N94SL	16	GY	2033819C1	1652325C1																												
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <p>BENDIX YAW SENSOR (9514) (LOCATED NEAR LEFT FRAME RAIL BACK OF CAB)</p>  <p>CONNECTOR 3601685C1</p> </div> <div style="width: 65%;"> <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>N94SAB</td> <td>18</td> <td>GY</td> <td>3601686C1</td> <td>3601687C1</td> </tr> <tr> <td>2</td> <td>N94SCB</td> <td>18</td> <td>GY</td> <td>3601686C1</td> <td>3601687C1</td> </tr> <tr> <td>3</td> <td>N94SBB</td> <td>18</td> <td>GY</td> <td>3601686C1</td> <td>3601687C1</td> </tr> <tr> <td>4</td> <td>N94SDB</td> <td>18</td> <td>GY</td> <td>3601686C1</td> <td>3601687C1</td> </tr> </tbody> </table> </div> </div>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	1	N94SAB	18	GY	3601686C1	3601687C1	2	N94SCB	18	GY	3601686C1	3601687C1	3	N94SBB	18	GY	3601686C1	3601687C1	4	N94SDB	18	GY	3601686C1	3601687C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																												
1	N94SAB	18	GY	3601686C1	3601687C1																												
2	N94SCB	18	GY	3601686C1	3601687C1																												
3	N94SBB	18	GY	3601686C1	3601687C1																												
4	N94SDB	18	GY	3601686C1	3601687C1																												
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																											
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U000K64	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																											
RELEASE NO.		DATE		PART NO.		SHEET																											
59974G		15SEP06		AE08056619		106																											

Figure 368 Connector Composites (9512), (9513), (9514)

**13.123. CONNECTOR COMPOSITES (9516), (9517), (9518), (9519), (9520), (9521), (9522), (9523), (9524), P. 107**

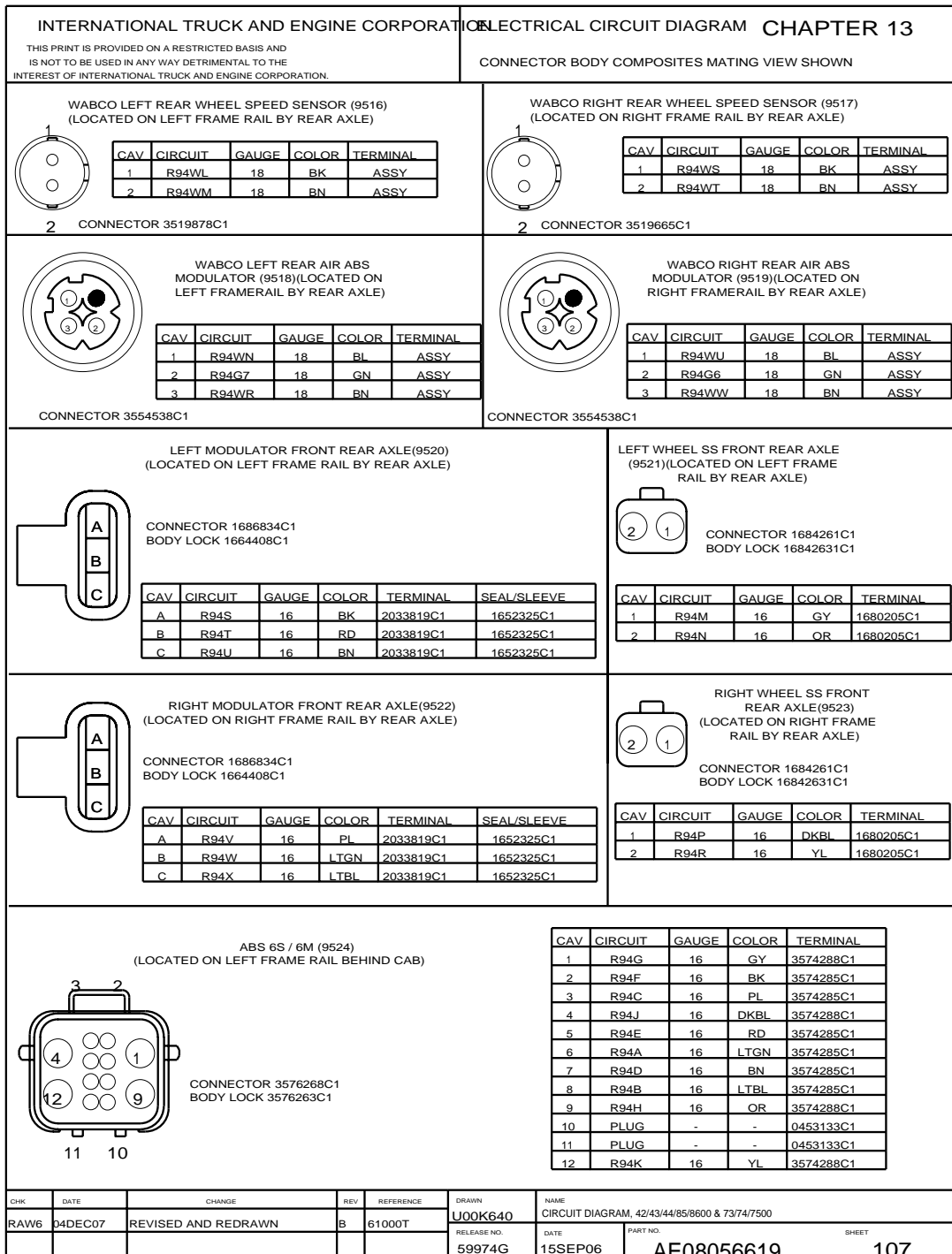


Figure 369 Connector Composites (9516), (9517), (9518), (9519), (9520), (9521), (9522), (9523), (9524)

13.124. CONNECTOR COMPOSITES (9524), (9530), P. 108

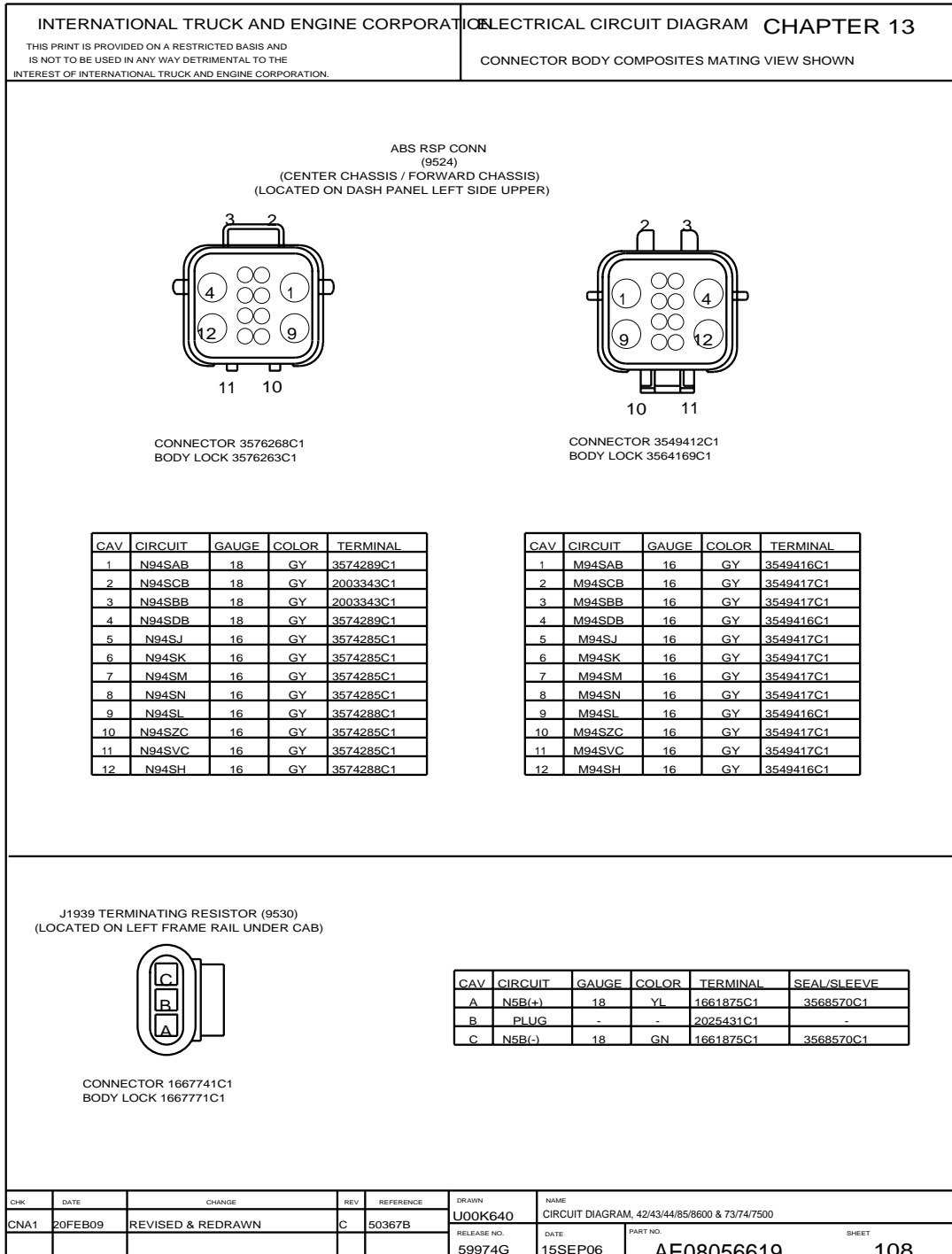


Figure 370 Connector Composites (9524), (9530)

13.125. CONNECTOR COMPOSITES (9715), (9716), P. 109

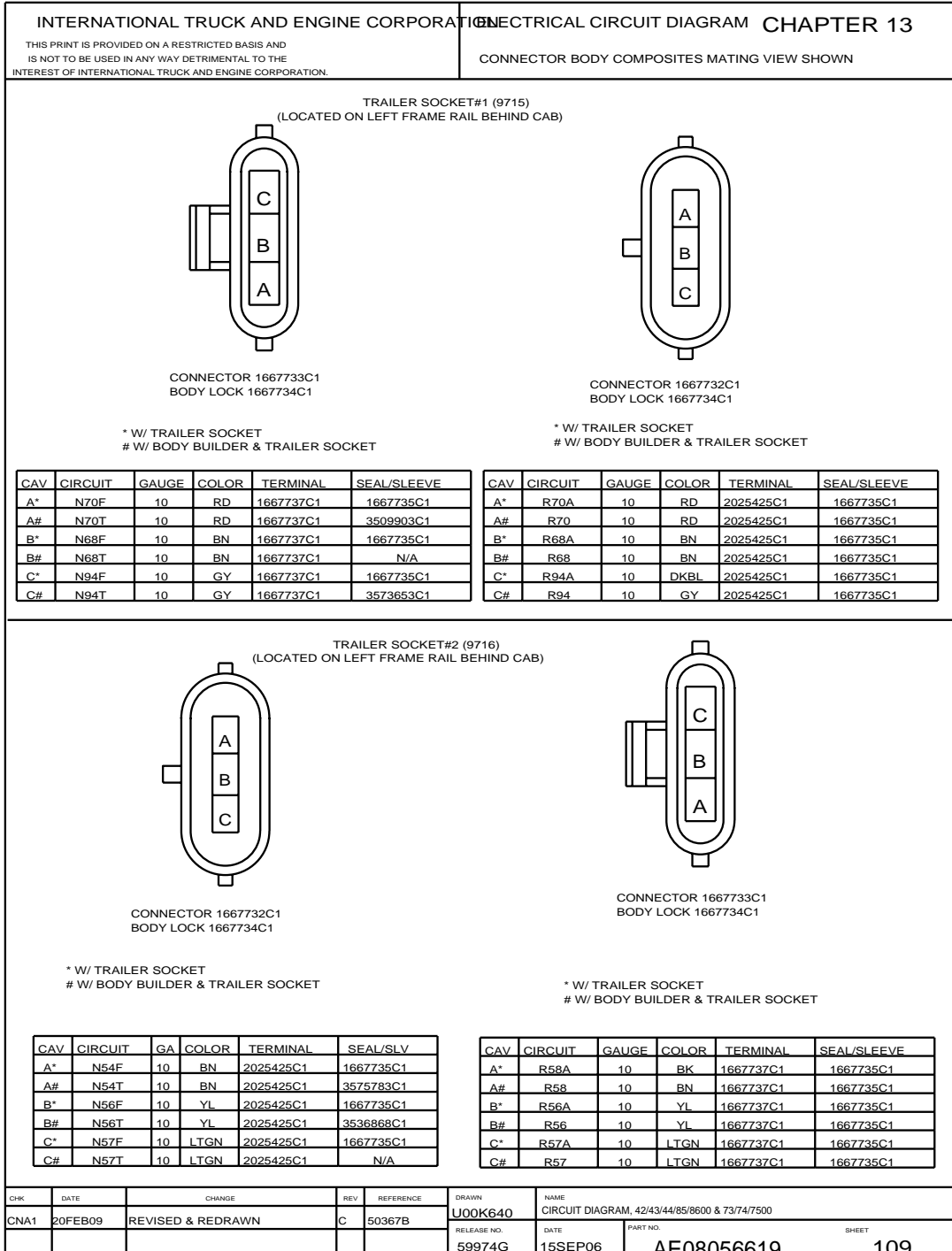


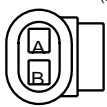
Figure 371 Connector Composites (9715), (9716)

13.126. CONNECTOR COMPOSITES (9718), (9719M), (9720), (9736), (9737), P. 110

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13	
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		CONNECTOR BODY COMPOSITES MATING VIEW SHOWN	

WORK LIGHT - BOC (9718)  
(LOCATED ON LEFT FRAME RAIL AT BACK OF DAYCAB)

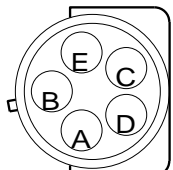


CONNECTOR 1661778C1  
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N65	16	OR	1661875C1	1661872C1
B	N65-G	16	WH	1661875C1	1661872C1

BLACKOUT TRUCK TRAILER LIGHTING (9719M)  
(LOCATED AT MAIN CHASSIS TO REAR CHASSIS INTERCONNECT)

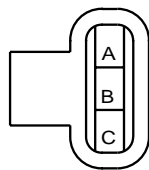


CONNECTOR 1673751C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R54H	12	BN	1673748C1	0589390C1
B	R54L	12	TN	1673748C1	0589390C1
C	R70L	12	RD	1673748C1	0589390C1
D	R70H	12	OR	1673748C1	0589390C1
E	PLUG	-	-	0587579C1	-

BLACKOUT LIGHTING (9720)  
(LOCATED AT REAR END OF LEFT FRAME RAIL)

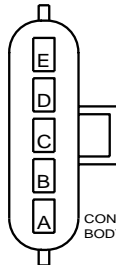


CONNECTOR 1686834C1  
BODY LOCK 1664408C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	R70	18	OR	2033819C1	1652325C1
B	R68	18	BN	2033819C1	1652325C1
C	PLUG	-	-	0587579C1	-

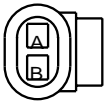
AIR SOLENOID 4 PACK (9736)  
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 1661375C2  
BODY LOCK 1661376C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59A-G	14	WH	2033816C1	0589391C1
B	N59B	18	GY	2033819C1	1652325C1
C	N59C	18	GY	2033819C1	1652325C1
D	N59D	18	GY	2033819C1	1652325C1
E	N59E	18	GY	2033819C1	1652325C1

AIR HORN (9737)  
(LOCATED INSIDE LEFT FRAME RAIL UNDER CAB)



CONNECTOR 3522068C1  
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59B	18	GY	1661875C1	1661872C1
B	N59A-G	16	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
RAW6	04DEC07	REVISED AND REDRAWN	B	61000T	U00K640	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
					RELEASE NO. 59974G	DATE 15SEP06
						PART NO. AE08056619
						SHEET 110

Figure 372 Connector Composites (9718), (9719M), (9720), (9736), (9737)



13.127. CONNECTOR COMPOSITES (9738), (9739), (9740/9740A/9740B/9740C), P. 111

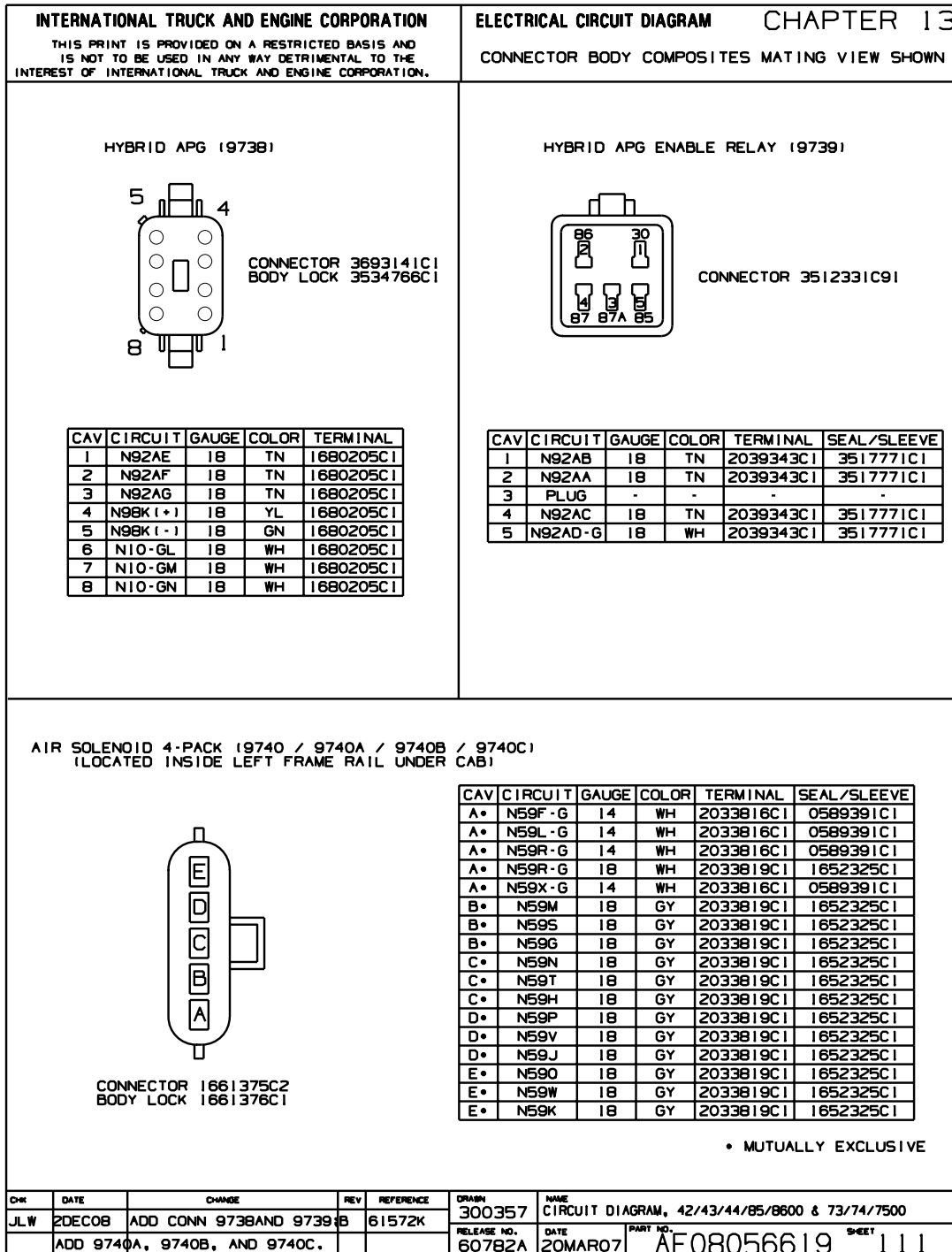


Figure 373 Connector Composites (9738), (9739), (9740/9740A/9740B/9740C)

13.128. CONNECTOR COMPOSITES (9740), (9745), (9746), (9747), (9748), P. 112

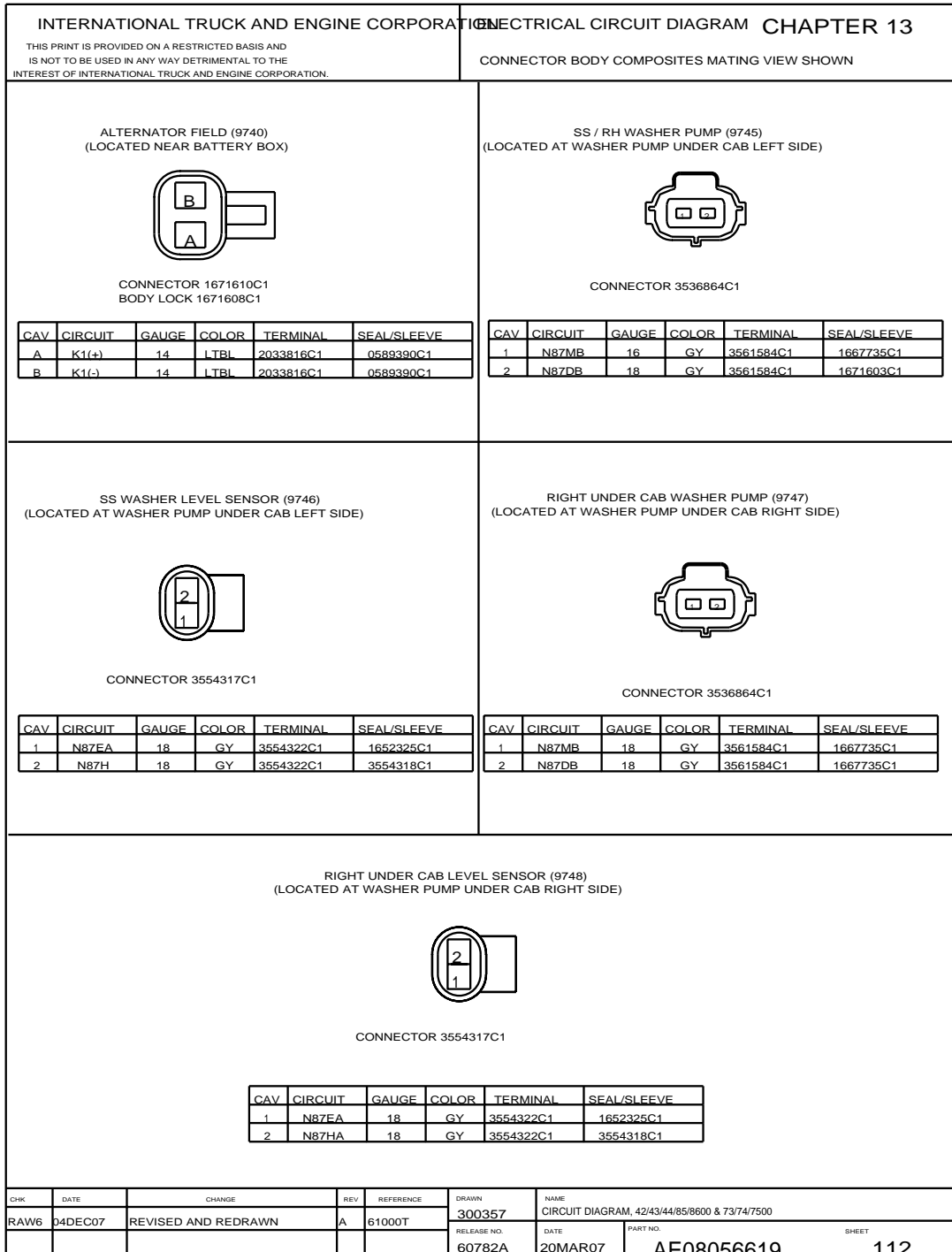


Figure 374 Connector Composites (9740), (9745), (9746), (9747), (9748)

13.129. CONNECTOR COMPOSITES (9751), (9752), (9753), (9753A), (9754), P. 113

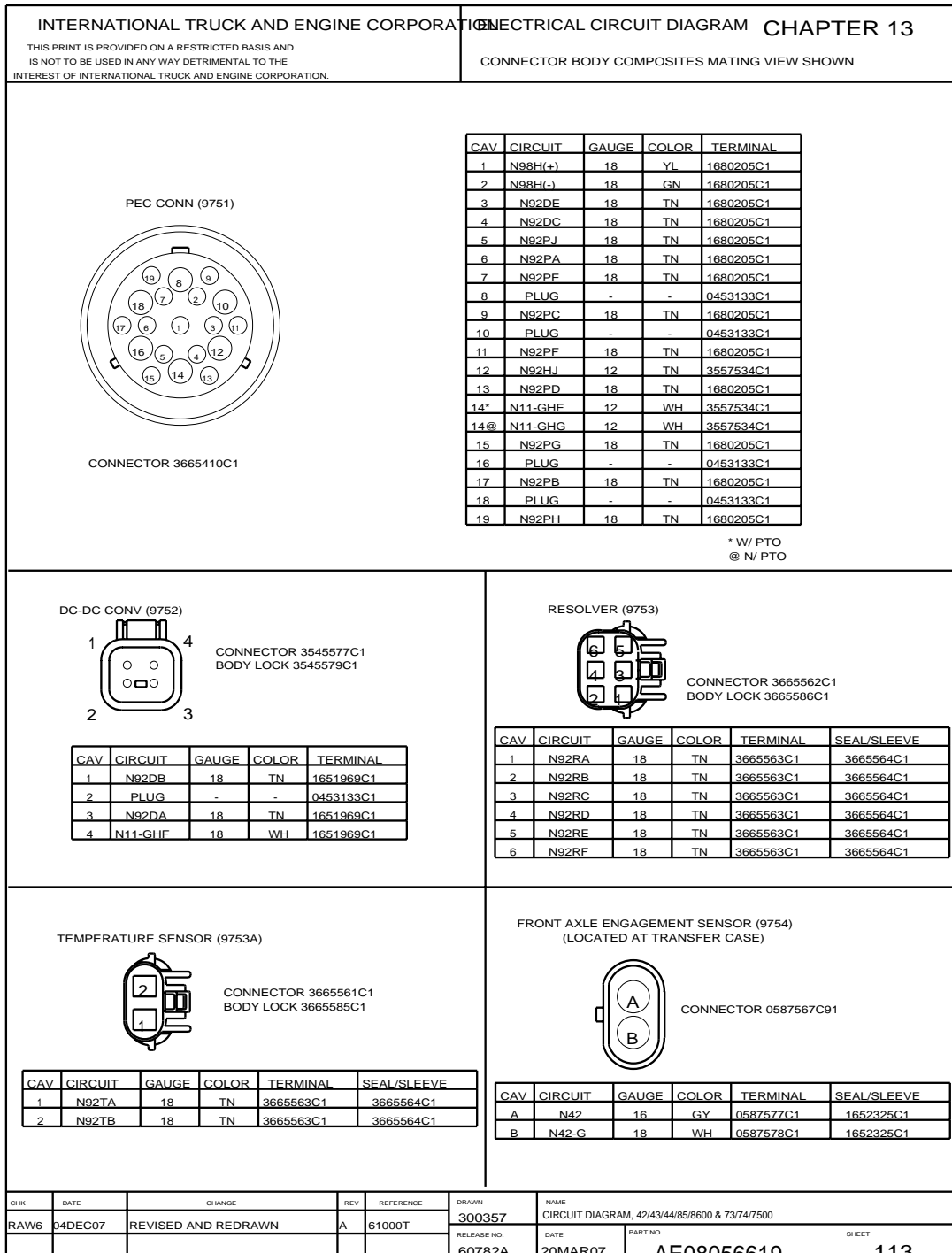


Figure 375 Connector Composites (9751), (9752), (9753), (9753A), (9754)

13.130. CONNECTOR COMPOSITES (9758), (9759), (9760), P. 114

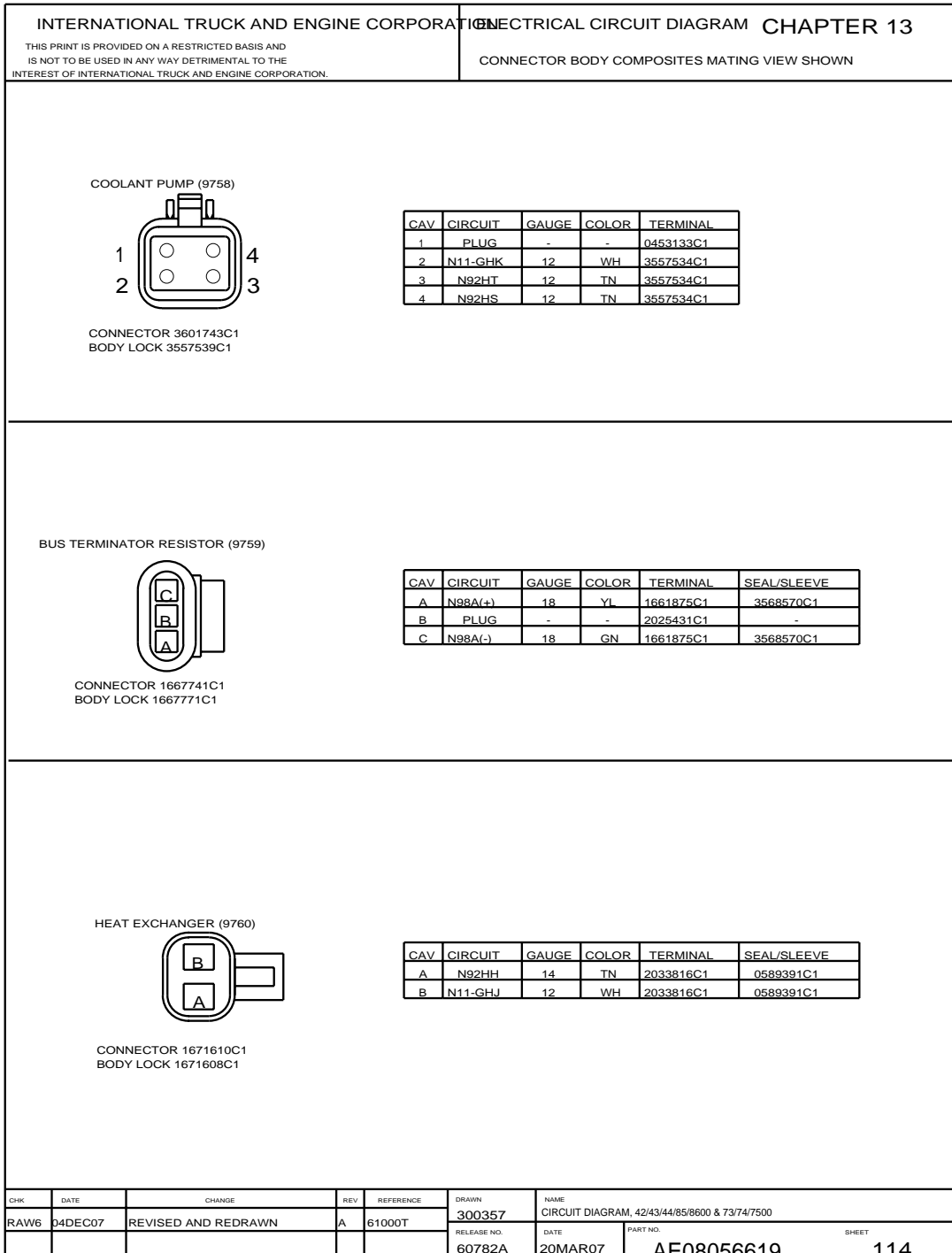


Figure 376 Connector Composites (9758), (9759), (9760)

13.131. CONNECTOR COMPOSITE (9761), P. 115

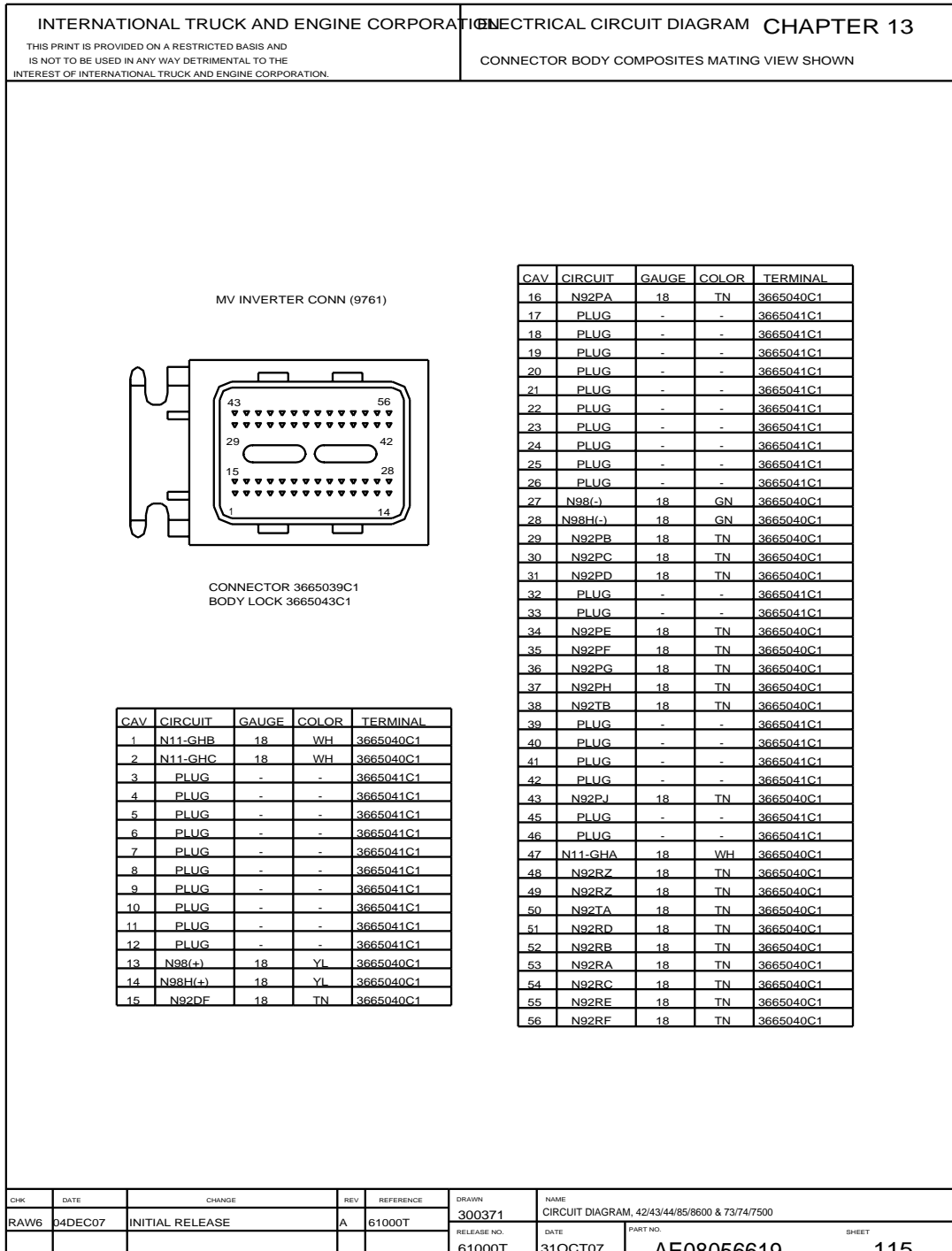


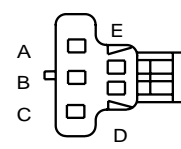
Figure 377 Connector Composite (9761)

13.132. CONNECTOR COMPOSITES (9761F), (9762), (9763), (9764), (9765), (9766),  
P. 116

INTERNATIONAL TRUCK AND ENGINE CORPORATION				ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13			
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.				CONNECTOR BODY COMPOSITES MATING VIEW SHOWN			

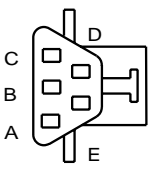
  

LIFT AXLE (9761F)  
(LOCATED AT LIFT AXLE BEHIND CAB)



CONNECTOR 3522252C1  
BODY LOCK 3522253C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	N59ED	18	GY	1667742C1	1661872C1
A*	N59EC	18	GY	1667742C1	1661872C1
A*	N59EF	18	GY	1667742C1	1661872C1
B*	N59ED	18	GY	1667742C1	1661872C1
B*	N59EF	18	GY	1667742C1	1661872C1
C	N59ED	18	GY	1667742C1	1661872C1
D	N59-ED	18	GY	1667742C1	1661872C1
E	N71N	16	OR	1667742C1	1661872C1



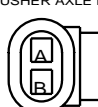
CONNECTOR 3522251C1  
BODY LOCK 3522253C1

CAV	CIRC	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A*	T59MA	18	BK	1661875C1	1661872C1
A*	T59MB	18	BK	1661875C1	1661872C1
B	T59NB	18	BK	1661875C1	1661872C1
C	T59PB	18	BK	1661875C1	1661872C1
D	PLUG	-	-	2025431C1	-
E	T71N	18	BK	1661875C1	1661872C1

\* MUTUALLY EXCLUSIVE

FIRST PUSHER LIFT AXLE SOLENOID (9762)  
(LOCATED AT PUSHER AXLE NEAR REAR AXLE)



CONNECTOR 1661778C1  
BODY LOCK 1661874C1

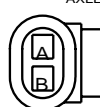
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59EF	18	GY	1661875C1	1661872C1
B*	N59-GC	18	WH	1661875C1	1661872C1
B*	N59-GA	18	WH	1661875C1	1661872C1

\* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59ED	18	GY	1661875C1	1661872C1
B	N59-GD	18	WH	1661875C1	1661872C1

SECOND PUSHER LIFT AXLE SOLENOID (9763)  
(LOCATED AT SECOND PUSHER AXLE BETWEEN CAB AND REAR)

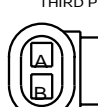


CONNECTOR 1661778C1  
BODY LOCK 1661874C1

\* MUTUALLY EXCLUSIVE

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	N59EC	18	GY	1661875C1	1661872C1
B*	N59-GB	18	WH	1661875C1	1661872C1
B*	N59-GB	18	WH	1661875C1	0589390C1

THIRD PUSHER AXLE (9764)




CONNECTOR 1661778C1  
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N59ED	18	GY	1661875C1	1661872C1
B	N59-GD	18	WH	1661875C1	1661872C1

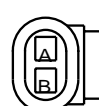
FOURTH PUSHER AXLE (9765)



CONNECTOR 1661778C1  
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLV
A	N59EB	18	GY	1661875C1	1661872C1
B	N59-GE	18	WH	1661875C1	1661872C1

WORK LIGHT (9766)  
(LOCATED ON LEFT FRAME RAIL BEHIND CAB)



CONNECTOR 1661778C1  
BODY LOCK 1661874C1

CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE
A	N65	16	OR	1661875C1	1661872C1
B	N65-G	16	WH	1661875C1	1661872C1

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	PART NO.	SHEET
RAW6	04DEC07	INITIAL RELEASE	A	61000T	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500		
					61000T	31OCT07	AE08056619	116

Figure 378 Connector Composites (9761F), (9762), (9763), (9764), (9765), (9766)

13.133. CONNECTOR COMPOSITES (9775), (9777), (9777A), (9777M), (9778), P. 117

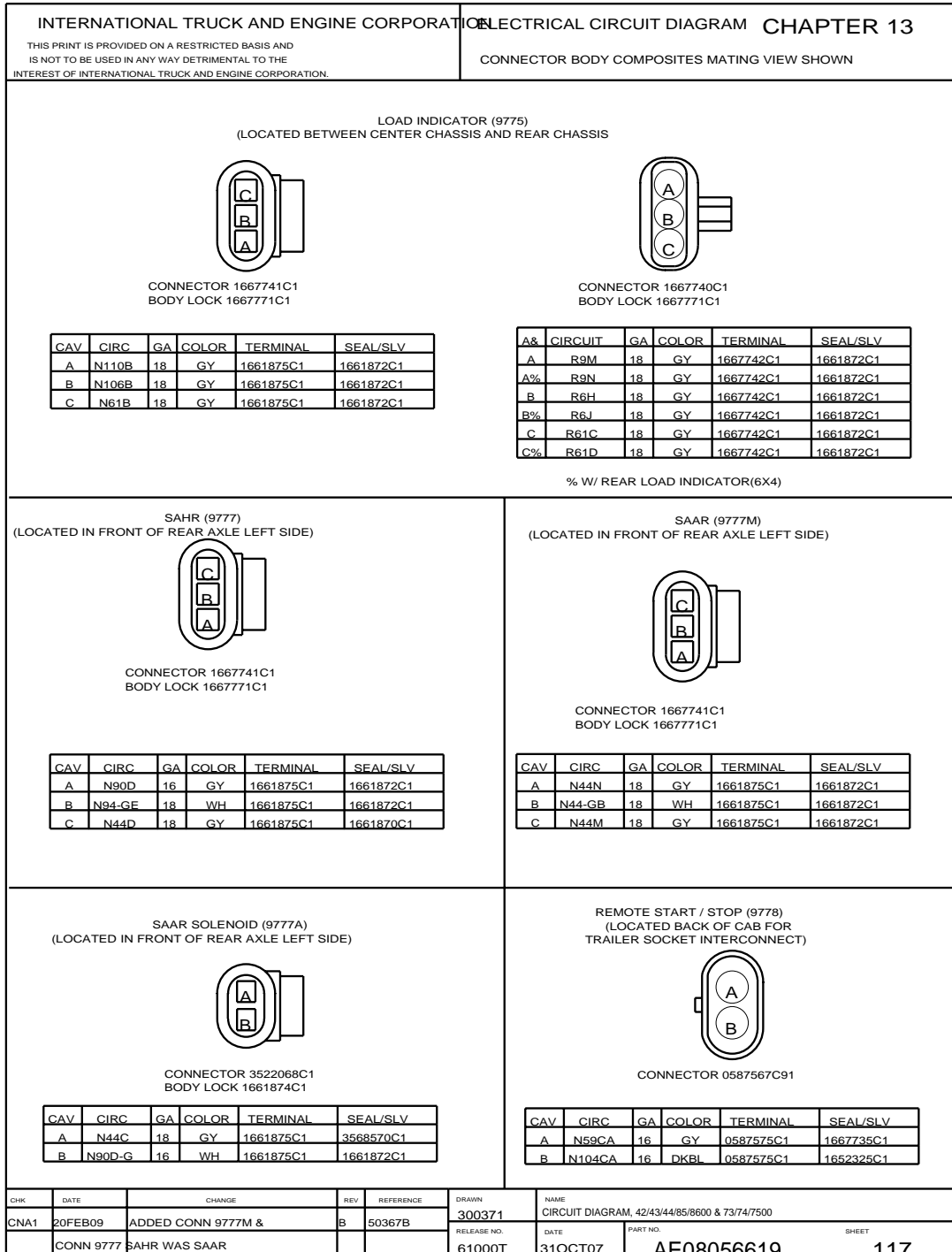


Figure 379 Connector Composites (9775), (9777), (9777A), (9777M), (9778)

13.134. CONNECTOR COMPOSITES (9779F), (9780M), (9781M), (9782F), P. 118

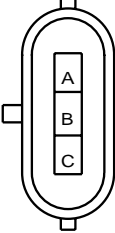
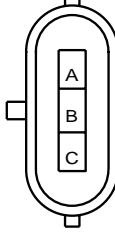
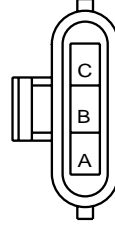
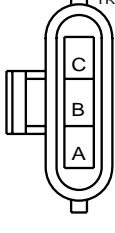
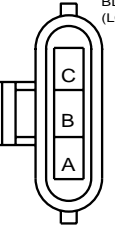
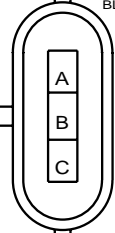
INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																																																							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																																																							
<p style="text-align: center;">TRAILER SOCKET # 2 (9779F) (LOCATED AT END OF FRAME NEAR REAR AXLES)</p>  <p style="text-align: center;">CONNECTOR 1667732C1 BODY LOCK 1667734C1</p> <p style="font-size: x-small;">* W/ TRAILER SOCKET - BOC # W/ TRAILER &amp; AUX SOCKET - BOC @ W/ TRAILER SOCKET - BOC &amp; BODY BUILDER EOF</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A#</td><td>N54B</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>A@</td><td>N54E</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>A*</td><td>N54T</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B#</td><td>N56B</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B@</td><td>N56E</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B*</td><td>N56T</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C#</td><td>N57B</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C@</td><td>N57E</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C*</td><td>N57T</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A#	N54B	10	BN	2025425C1	1667735C1	A@	N54E	10	BN	2025425C1	1667735C1	A*	N54T	10	BN	2025425C1	1667735C1	B#	N56B	10	YL	2025425C1	1667735C1	B@	N56E	10	YL	2025425C1	1667735C1	B*	N56T	10	YL	2025425C1	1667735C1	C#	N57B	10	LTGN	2025425C1	1667735C1	C@	N57E	10	LTGN	2025425C1	1667735C1	C*	N57T	10	LTGN	2025425C1	1667735C1	<p style="text-align: center;">TRAILER SOCKET # 2 (9779F) (LOCATED AT BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667732C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R58A</td><td>10</td><td>BK</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>R56A</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>R57A</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R58A	10	BK	2025425C1	1667735C1	B	R56A	10	YL	2025425C1	1667735C1	C	R57A	10	LTGN	2025425C1	1667735C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																				
A#	N54B	10	BN	2025425C1	1667735C1																																																																																				
A@	N54E	10	BN	2025425C1	1667735C1																																																																																				
A*	N54T	10	BN	2025425C1	1667735C1																																																																																				
B#	N56B	10	YL	2025425C1	1667735C1																																																																																				
B@	N56E	10	YL	2025425C1	1667735C1																																																																																				
B*	N56T	10	YL	2025425C1	1667735C1																																																																																				
C#	N57B	10	LTGN	2025425C1	1667735C1																																																																																				
C@	N57E	10	LTGN	2025425C1	1667735C1																																																																																				
C*	N57T	10	LTGN	2025425C1	1667735C1																																																																																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																				
A	R58A	10	BK	2025425C1	1667735C1																																																																																				
B	R56A	10	YL	2025425C1	1667735C1																																																																																				
C	R57A	10	LTGN	2025425C1	1667735C1																																																																																				
<p style="text-align: center;">TRAILER SOCKET # 1 (9780M) (LOCATED AT END OF FRAME NEAR REAR AXLES)</p>  <p style="text-align: center;">CONNECTOR 1667733C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>R70A</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>R68A</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>R94A</td><td>10</td><td>DKBL</td><td>1667737C1</td><td>1667735C1</td></tr> </tbody> </table>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	R70A	10	RD	1667737C1	1667735C1	B	R68A	10	BN	1667737C1	1667735C1	C	R94A	10	DKBL	1667737C1	1667735C1	<p style="text-align: center;">TRAILER SOCKET # 1 (9780M) (LOCATED BACK OF CAB FOR TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667733C1 BODY LOCK 1667734C1</p> <p style="font-size: x-small;">* W/ TRAILER SOCKET - BOC # W/ TRAILER &amp; AUX SOCKET - BOC @ W/ TRAILER SOCKET - BOC &amp; BODY BUILDER EOF</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A#</td><td>N70B</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>A@</td><td>N70E</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>A*</td><td>N70T</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B#</td><td>N68B</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B@</td><td>N68E</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B*</td><td>N68T</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C@</td><td>N94E</td><td>10</td><td>GY</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C*</td><td>N94T</td><td>10</td><td>GY</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C#</td><td>N94T</td><td>10</td><td>GY</td><td>1667737C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A#	N70B	10	RD	1667737C1	1667735C1	A@	N70E	10	RD	1667737C1	1667735C1	A*	N70T	10	RD	1667737C1	1667735C1	B#	N68B	10	BN	1667737C1	1667735C1	B@	N68E	10	BN	1667737C1	1667735C1	B*	N68T	10	BN	1667737C1	1667735C1	C@	N94E	10	GY	1667737C1	1667735C1	C*	N94T	10	GY	1667737C1	1667735C1	C#	N94T	10	GY	1667737C1	1667735C1
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																				
A	R70A	10	RD	1667737C1	1667735C1																																																																																				
B	R68A	10	BN	1667737C1	1667735C1																																																																																				
C	R94A	10	DKBL	1667737C1	1667735C1																																																																																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																				
A#	N70B	10	RD	1667737C1	1667735C1																																																																																				
A@	N70E	10	RD	1667737C1	1667735C1																																																																																				
A*	N70T	10	RD	1667737C1	1667735C1																																																																																				
B#	N68B	10	BN	1667737C1	1667735C1																																																																																				
B@	N68E	10	BN	1667737C1	1667735C1																																																																																				
B*	N68T	10	BN	1667737C1	1667735C1																																																																																				
C@	N94E	10	GY	1667737C1	1667735C1																																																																																				
C*	N94T	10	GY	1667737C1	1667735C1																																																																																				
C#	N94T	10	GY	1667737C1	1667735C1																																																																																				
<p style="text-align: center;">BLACK AUX TRAILER SOCKET # 1 (9781M) (LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667733C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>N70C</td><td>10</td><td>RD</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>N68C</td><td>10</td><td>BN</td><td>1667737C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>N72</td><td>12</td><td>OR</td><td>1667737C1</td><td>3509903C1</td></tr> </tbody> </table>		CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N70C	10	RD	1667737C1	1667735C1	B	N68C	10	BN	1667737C1	1667735C1	C	N72	12	OR	1667737C1	3509903C1	<p style="text-align: center;">BLACK AUX TRAILER SOCKET # 2 (9782F) (LOCATED BACK OF CAB FOR AUX TRAILER SOCKET INTERCONNECT)</p>  <p style="text-align: center;">CONNECTOR 1667732C1 BODY LOCK 1667734C1</p> <table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr><td>A</td><td>N54C</td><td>10</td><td>BN</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>B</td><td>N56C</td><td>10</td><td>YL</td><td>2025425C1</td><td>1667735C1</td></tr> <tr><td>C</td><td>N57C</td><td>10</td><td>LTGN</td><td>2025425C1</td><td>1667735C1</td></tr> </tbody> </table>				CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N54C	10	BN	2025425C1	1667735C1	B	N56C	10	YL	2025425C1	1667735C1	C	N57C	10	LTGN	2025425C1	1667735C1																																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																				
A	N70C	10	RD	1667737C1	1667735C1																																																																																				
B	N68C	10	BN	1667737C1	1667735C1																																																																																				
C	N72	12	OR	1667737C1	3509903C1																																																																																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																																																				
A	N54C	10	BN	2025425C1	1667735C1																																																																																				
B	N56C	10	YL	2025425C1	1667735C1																																																																																				
C	N57C	10	LTGN	2025425C1	1667735C1																																																																																				
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																																																			
CNA1	20FEB09	REVISED CONN 9780M	B	50367B	30371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																																																			
CAV C.					RELEASE NO.	DATE																																																																																			
					61000T	31OCT07																																																																																			
						PART NO.																																																																																			
						AE08056619																																																																																			
						SHEET																																																																																			
						118																																																																																			

Figure 380 Connector Composites (9779F), (9780M), (9781M), (9782F)



13.135. CONNECTOR COMPOSITES (9800), P. 119

INTERNATIONAL TRUCK AND ENGINE CORPORATION						ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13							
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.						CONNECTOR BODY COMPOSITES MATING VIEW SHOWN							
			CONNECTION TO CENTER HARNESS (9800)(LOCATED ON LEFT FRAME RAIL BEHIND CAB) CONNECTOR 3558022C1 BODY LOCK 3558056C1						CONNECTION TO REAR CHASSIS HARNESS (9800) (LOCATED ON LEFT FRAME RAIL BEHIND CAB)  & MUTUALLY EXCLUSIVE * W/ WABCO AIR @ W/ BENDIX AIR # W/ HYDRAULIC ** W/ BENDIX AIR ABS 6S/6M ## W/ WABCO FULL POWER ABS				
	CAV	CIR	GA	COLOR	TERMINAL	SEAL/SLV		CAV	CIRCUIT	GA	COLOR	TERMINAL	SEAL/SLV
	1	R71	14	OR	3559037C1	3575783C1		1	N71A	14	OR	3559035C1	3575783C1
	2	R56	14	OR	3559037C1	3575783C1		2	N56	14	OR	3559035C1	3575783C1
	3	R57	14	OR	3559037C1	3575783C1		3	N57	14	OR	3559035C1	3575783C1
	4	R68	14	BN	3559037C1	3575783C1		4	N68	14	BN	3559035C1	3575783C1
	5&	R32A	18	TN	3559036C1	3509903C1		5&	N32A	18	TN	3509874C1	3509903C1
	5&	R36	18	TN	3559036C1	3509903C1		5##	N36A	18	TN	3509874C1	3509903C1
	5&	R68	18	BN	3559036C1	3509903C1		6	N32	18	TN	3509874C1	3509903C1
	6&	R32	18	TN	3559036C1	3509903C1		7	N49	18	GY	3509874C1	3509903C1
	6&	R70	18	OR	3559036C1	3509903C1		8	N49A	18	GY	3509874C1	3509903C1
	7	R49	18	GY	3559036C1	3509903C1		9	N49-G	18	WH	3509874C1	3509903C1
	8	R49A	18	GY	3559036C1	3509903C1		10	N9G	18	GY	3509874C1	3509903C1
	9&	R10-GB	18	WH	3559036C1	3509903C1		11&	N9F	18	GY	3509874C1	3509903C1
	9&	R49-GA	18	WH	3559036C1	3509903C1		11&	N9H	18	GY	3509874C1	3509903C1
	10	R9D	18	GY	3559036C1	3509903C1		12	N10-GA	12	WH	3559035C1	3575783C1
	11&	R9B	18	GY	3559036C1	3509903C1		13@	N94BE	16	GY	3559035C1	3509903C1
	11&	R9C	18	GY	3559036C1	3509903C1		13##	N94M(+)	18	GY	3509874C1	3532128C1
	12	R10-G	12	WH	3559037C1	3575783C1		13*	N94WL	16	GY	3559035C1	3509903C1
	13#	[R94M(+)]	18	BK	3559036C1	3509903C1		14@	N94BD	16	GY	3559035C1	3509903C1
	13*	[R94WL]	18	BK	3559036C1	3509903C1		14##	N94M(-)	18	GY	3509874C1	3532128C1
	13@	R94A	16	GY	3559037C1	3509903C1		14*	N94WM	16	GY	3559035C1	3509903C1
	13**	R94M	16	GY	3559037C1	3509903C1		15@	N94BH	16	GY	3559035C1	3509903C1
	14#	R94N(-)	18	BN	3559036C1	3509903C1		15##	N94N(+)	18	GY	3509874C1	3532128C1
	14*	[R94WV]	18	BN	3559036C1	3509903C1		15*	N94WS	16	GY	3559035C1	3509903C1
	14@	R94B	16	OR	3559037C1	3509903C1		16@	N94BF	16	GY	3559035C1	3509903C1
	14**	R94N	16	OR	3559037C1	3509903C1		16##	N94N(-)	18	GY	3509874C1	3532128C1
	15#	[R94P]	18	BK	3559036C1	3509903C1		16*	N94WT	16	GY	3559035C1	3509903C1
	15*	[R94WS]	18	BK	3559036C1	3509903C1		17**	N94BA	16	GY	3559035C1	3509903C1
	15@	R94C	16	DKBL	3559037C1	3509903C1		17@	N94BA	16	GY	3559035C1	3509903C1
	15**	R94P	16	DKBL	3559037C1	3509903C1		17*	N94WN	16	GY	3559035C1	3509903C1
	16#	[R94R]	18	BN	3559036C1	3509903C1		18**	N94RB	16	GY	3559035C1	3509903C1
	16*	[R94WT]	18	BN	3559036C1	3509903C1		18@	N94BB	16	GY	3559035C1	3509903C1
	16@	R94D	16	YL	3559037C1	3509903C1		18*	N94-G7	16	WH	3559035C1	3509903C1
	16**	R94R	16	YL	3559037C1	3509903C1		19**	N94RC	16	GY	3559035C1	3509903C1
	17*	[R94WN]	18	BL	3559036C1	3509903C1		19@	N94BC	16	GY	3559035C1	3509903C1
	17@	R94E	16	BK	3559037C1	3509903C1		19*	N94WR	16	GY	3559035C1	3509903C1
	17**	R94S	16	BK	3559037C1	3509903C1		20**	N94BJ	16	GY	3559035C1	3509903C1
	18*	[R94G7]	18	GN	3559036C1	3509903C1		20@	N94BJ	16	GY	3559035C1	3509903C1
	18@	R94F	16	RD	3559037C1	3509903C1		20*	N94WU	16	GY	3559035C1	3509903C1
	18**	R94T	16	RD	3559037C1	3509903C1		21**	N94BK	16	GY	3559035C1	3509903C1
	19*	[R94WR]	18	BN	3559036C1	3509903C1		21@	N94BK	16	GY	3559035C1	3509903C1
	19@	R94H	16	BN	3559037C1	3509903C1		21*	N94-G6	16	WH	3559035C1	3509903C1
	19**	R94U	16	BN	3559037C1	3509903C1		22**	N94BL	16	GY	3559035C1	3509903C1
	20*	[R94WU]	18	BL	3559036C1	3509903C1		22@	N94BL	16	GY	3559035C1	3509903C1
	20@	R94J	16	PL	3559037C1	3509903C1		22*	N94BL	16	GY	3559035C1	3509903C1
	20**	R94V	16	PL	3559037C1	3509903C1		23@	N94WW	16	GY	3559035C1	3509903C1
	21*	[R94G6]	18	GN	3559036C1	3509903C1		23@	N94BN	16	GY	3559035C1	3509903C1
	21@	R94K	16	LTGN	3559037C1	3509903C1		23*	N94WX	18	GY	3509874C1	3509903C1
	21**	R94W	16	LTGN	3559037C1	3509903C1		24@	N94BM	16	GY	3559035C1	3509903C1
	22*	[R94WV]	18	BN	3559036C1	3509903C1		24*	N94WZ	18	GY	3509874C1	3509903C1
	22@	R94L	16	LTBL	3559037C1	3509903C1							
	22**	R94X	16	LTBL	3559037C1	3509903C1							
	23*	[R94WX]	18	BN	3559036C1	3509903C1							
	23@	R94BD	16	BN	3559037C1	3509903C1							
	24*	[R94WZ]	18	BL	3559036C1	3509903C1							
	24@	R94BE	16	YL	3559037C1	3509903C1							

CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME
CNA1	20FEB09	REVISED NOTES, CAV	B	50367B	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500
	13-16(REAR)				RELEASE NO. 61000T	DATE 31OCT07 PART NO. AE08056619 SHEET 119

Figure 381 Connector Composites (9800)

13.136. CONNECTOR COMPOSITES (9811), (9812), (9814), (9815), (9820M), P. 120

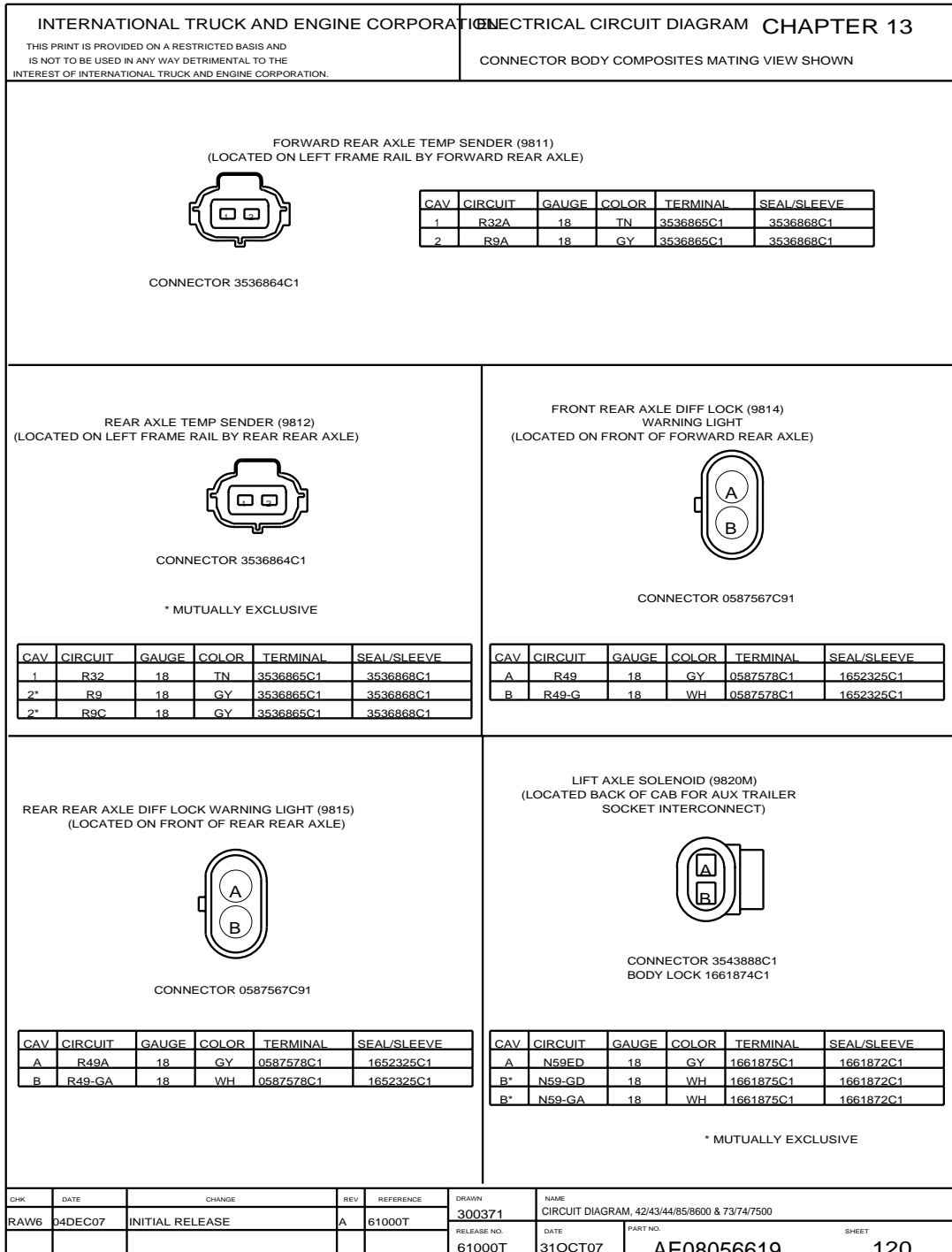


Figure 382 Connector Composites (9811), (9812), (9814), (9815), (9820M)

13.137. CONNECTOR COMPOSITES (9830), (9832), (9900), (9900E), P. 121

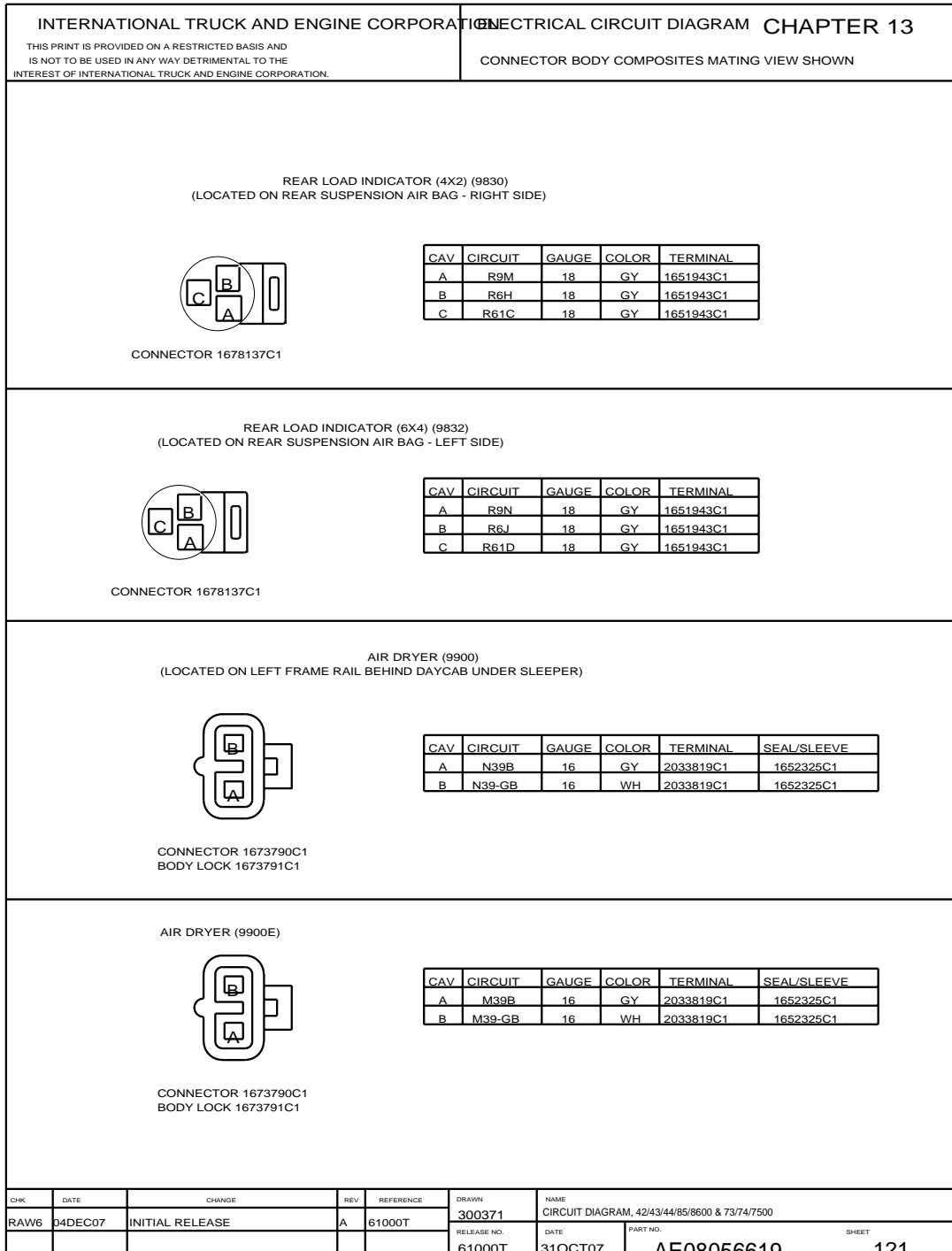
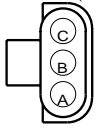

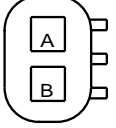
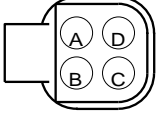
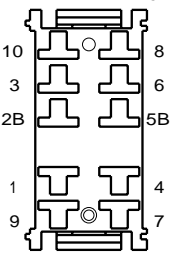



Figure 383 Connector Composites (9830), (9832), (9900), (9900E)

**13.138. CONNECTOR COMPOSITES (9913B), (9915), (9920), (9921), (9994), (9999), P. 122**

INTERNATIONAL TRUCK AND ENGINE CORPORATION		ELECTRICAL CIRCUIT DIAGRAM CHAPTER 13																																																													
THIS PRINT IS PROVIDED ON A RESTRICTED BASIS AND IS NOT TO BE USED IN ANY WAY DETRIMENTAL TO THE INTEREST OF INTERNATIONAL TRUCK AND ENGINE CORPORATION.		CONNECTOR BODY COMPOSITES MATING VIEW SHOWN																																																													
<p style="text-align: center;">LECTRASHIFT PTO (9913B)</p>  <p style="text-align: center;">CONNECTOR 0587570C91</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>K14LSA</td> <td>18</td> <td>BK</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>B</td> <td>K14LSB</td> <td>18</td> <td>RD</td> <td>0587576C1</td> <td>1652325C1</td> </tr> <tr> <td>C</td> <td>K14LSC</td> <td>12</td> <td>WH</td> <td>1673747C1</td> <td>0589390C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	K14LSA	18	BK	0587576C1	1652325C1	B	K14LSB	18	RD	0587576C1	1652325C1	C	K14LSC	12	WH	1673747C1	0589390C1																																				
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																										
A	K14LSA	18	BK	0587576C1	1652325C1																																																										
B	K14LSB	18	RD	0587576C1	1652325C1																																																										
C	K14LSC	12	WH	1673747C1	0589390C1																																																										
<p style="text-align: center;">DIODE ASSY (9915) (LOCATED IN INSTRUMENT PANEL NEAR CENTER)</p>  <p style="text-align: center;">CONNECTOR 1684261C1</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1*</td> <td>A14BC</td> <td>14</td> <td>PL</td> <td>2034787C1</td> </tr> <tr> <td>1#</td> <td>A104F</td> <td>18</td> <td>DKBL</td> <td>1680205C1</td> </tr> <tr> <td>2*</td> <td>A11-GC</td> <td>14</td> <td>GY</td> <td>2034787C1</td> </tr> <tr> <td>2#</td> <td>A104N</td> <td>18</td> <td>DKBL</td> <td>1680205C1</td> </tr> </tbody> </table> <p style="font-size: x-small;">* W/ LECTRASHIFT ACCOMODATION # W/ REMOTE START / STOP</p>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1*	A14BC	14	PL	2034787C1	1#	A104F	18	DKBL	1680205C1	2*	A11-GC	14	GY	2034787C1	2#	A104N	18	DKBL	1680205C1																																			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																											
1*	A14BC	14	PL	2034787C1																																																											
1#	A104F	18	DKBL	1680205C1																																																											
2*	A11-GC	14	GY	2034787C1																																																											
2#	A104N	18	DKBL	1680205C1																																																											
<p style="text-align: center;">TRANSMISSION CHASSIS (9920)</p>  <p style="text-align: center;">CONNECTOR 1671611C1 BODY LOCK 1671608C1</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N98D</td> <td>18</td> <td>BK</td> <td>2033911C1</td> <td>3517771C1</td> </tr> <tr> <td>B</td> <td>N92YA</td> <td>18</td> <td>TN</td> <td>2033911C1</td> <td>3517771C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N98D	18	BK	2033911C1	3517771C1	B	N92YA	18	TN	2033911C1	3517771C1																																										
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																										
A	N98D	18	BK	2033911C1	3517771C1																																																										
B	N92YA	18	TN	2033911C1	3517771C1																																																										
<p style="text-align: center;">HCM DIAG (9921)</p>  <p style="text-align: center;">CONNECTOR 1661497C91</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> <th>SEAL/SLEEVE</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>N98E</td> <td>18</td> <td>BK</td> <td>0587576C1</td> <td>3517771C1</td> </tr> <tr> <td>B</td> <td>N98G</td> <td>18</td> <td>BK</td> <td>0587576C1</td> <td>3517771C1</td> </tr> <tr> <td>C</td> <td>N98F</td> <td>18</td> <td>BK</td> <td>0587576C1</td> <td>3517771C1</td> </tr> <tr> <td>D</td> <td>N98D</td> <td>18</td> <td>BK</td> <td>0587576C1</td> <td>3517771C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE	A	N98E	18	BK	0587576C1	3517771C1	B	N98G	18	BK	0587576C1	3517771C1	C	N98F	18	BK	0587576C1	3517771C1	D	N98D	18	BK	0587576C1	3517771C1																														
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	SEAL/SLEEVE																																																										
A	N98E	18	BK	0587576C1	3517771C1																																																										
B	N98G	18	BK	0587576C1	3517771C1																																																										
C	N98F	18	BK	0587576C1	3517771C1																																																										
D	N98D	18	BK	0587576C1	3517771C1																																																										
<p style="text-align: center;">AWARE ALERT SWITCH (9994) (LOCATED IN INSTRUMENT PANEL BEHIND CENTER PANEL)</p>  <p style="text-align: center;">CONNECTOR 3520850C1</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>2B</td> <td>AA6</td> <td>18</td> <td>GY</td> <td>1661224C1</td> </tr> <tr> <td>3*</td> <td>A9VB</td> <td>18</td> <td>GY</td> <td>1661224C1</td> </tr> <tr> <td>3#</td> <td>A9V</td> <td>18</td> <td>GY</td> <td>1661224C1</td> </tr> <tr> <td>4</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>5B</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>6</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>7</td> <td>AQUT1</td> <td>18</td> <td>WH</td> <td>1661224C1</td> </tr> <tr> <td>8</td> <td>A62A</td> <td>18</td> <td>GY</td> <td>1661224C1</td> </tr> <tr> <td>9</td> <td>A11-GN</td> <td>18</td> <td>WH</td> <td>1661224C1</td> </tr> <tr> <td>10</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> </tbody> </table> <p style="font-size: x-small;"># W/ ALERT SWITCH * W/ BODY BUILDER &amp; ALERT SWITCH</p>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	-	-	-	-	2B	AA6	18	GY	1661224C1	3*	A9VB	18	GY	1661224C1	3#	A9V	18	GY	1661224C1	4	-	-	-	-	5B	-	-	-	-	6	-	-	-	-	7	AQUT1	18	WH	1661224C1	8	A62A	18	GY	1661224C1	9	A11-GN	18	WH	1661224C1	10	-	-	-	-
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																											
1	-	-	-	-																																																											
2B	AA6	18	GY	1661224C1																																																											
3*	A9VB	18	GY	1661224C1																																																											
3#	A9V	18	GY	1661224C1																																																											
4	-	-	-	-																																																											
5B	-	-	-	-																																																											
6	-	-	-	-																																																											
7	AQUT1	18	WH	1661224C1																																																											
8	A62A	18	GY	1661224C1																																																											
9	A11-GN	18	WH	1661224C1																																																											
10	-	-	-	-																																																											
<p style="text-align: center;">BACK-UP MONITOR CONNECTION (9999) (LOCATED AT BACKUP CAMERA)</p>  <p style="text-align: center;">CONNECTOR 3592285C1</p>	<table border="1" style="width:100%; border-collapse: collapse; font-size: x-small;"> <thead> <tr> <th>CAV</th> <th>CIRCUIT</th> <th>GAUGE</th> <th>COLOR</th> <th>TERMINAL</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>GB12RD</td> <td>18</td> <td>RD</td> <td>3592315C1</td> </tr> <tr> <td>2</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> </tr> <tr> <td>3</td> <td>GB12BK</td> <td>18</td> <td>LTGN</td> <td>3592315C1</td> </tr> <tr> <td>4</td> <td>GB12-G</td> <td>18</td> <td>BK</td> <td>3592315C1</td> </tr> </tbody> </table>			CAV	CIRCUIT	GAUGE	COLOR	TERMINAL	1	GB12RD	18	RD	3592315C1	2	-	-	-	-	3	GB12BK	18	LTGN	3592315C1	4	GB12-G	18	BK	3592315C1																																			
CAV	CIRCUIT	GAUGE	COLOR	TERMINAL																																																											
1	GB12RD	18	RD	3592315C1																																																											
2	-	-	-	-																																																											
3	GB12BK	18	LTGN	3592315C1																																																											
4	GB12-G	18	BK	3592315C1																																																											
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>CHK</th> <th>DATE</th> <th>CHANGE</th> <th>REV</th> <th>REFERENCE</th> <th>DRAWN</th> <th>NAME</th> </tr> <tr> <td>CNA1</td> <td>20FEB09</td> <td>REVISED CONN 9915.</td> <td>B</td> <td>50367B</td> <td>300371</td> <td>CIRCUIT DIAGRAM, 42/43/44/85/8600 &amp; 73/74/7500</td> </tr> <tr> <td></td> <td></td> <td>AWARE WAS TELEMATICS.</td> <td></td> <td></td> <td>61000T</td> <td>DATE: 31OCT07 PART NO: AE08056619 SHEET: 122</td> </tr> </table>	CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME	CNA1	20FEB09	REVISED CONN 9915.	B	50367B	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500			AWARE WAS TELEMATICS.			61000T	DATE: 31OCT07 PART NO: AE08056619 SHEET: 122																																										
CHK	DATE	CHANGE	REV	REFERENCE	DRAWN	NAME																																																									
CNA1	20FEB09	REVISED CONN 9915.	B	50367B	300371	CIRCUIT DIAGRAM, 42/43/44/85/8600 & 73/74/7500																																																									
		AWARE WAS TELEMATICS.			61000T	DATE: 31OCT07 PART NO: AE08056619 SHEET: 122																																																									

**Figure 384 Connector Composites (9913B), (9915), (9920), (9921), (9994), (9999)**