# Table of Contents

## 1. INSTRUCTIONS AND CHARTS (CHAPTER 1)
- 1.1. CIRCUIT DIAGRAM INSTRUCTIONS, P. 1 ................................................................. 1
- 1.2. CIRCUIT DIAGRAM INSTRUCTIONS, P. 2 ................................................................. 2
- 1.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3 ................................................................. 3
- 1.4. RELAY FUNCTIONS AND WIRING GUIDE, P. 4 ......................................................... 4
- 1.5. INTERNATIONAL V6 ENGINE CONTROLLER PIN NUMBER IDENTIFICATION, P. 5 . . 5
- 1.6. POWER DISTRIBUTION BOX, P. 6 ........................................................................... 6
- 1.7. POWER DISTRIBUTION BOX, P. 7 ........................................................................... 7
- 1.8. IN-CAB RELAY BOX, P. 8 ....................................................................................... 8
- 1.9. LAMP BULB CHART, P. 9 ....................................................................................... 9

## 2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)
- 2.1. BATTERY FEEDS, P. 1 ............................................................................................ 10
- 2.2. BATTERY FEEDS, P. 2 ............................................................................................ 11
- 2.3. BATTERY FEEDS, P. 3 ............................................................................................ 12
- 2.4. KEY SWITCH, P. 4 ................................................................................................. 13
- 2.5. IGNITION FEEDS (RUN), P. 5 ................................................................................ 14
- 2.6. IGNITION FEEDS (START), P. 6 .............................................................................. 15
- 2.7. IGNITION FEEDS (RUN-START), P. 7 .................................................................... 16
- 2.8. IGNITION FEEDS (RUN-ACCESSORY), P. 8 ........................................................... 17
- 2.9. GROUNDS (MAIN CHASSIS), P. 9 ......................................................................... 18
- 2.10. GROUNDS (MAIN CHASSIS), P. 10 ...................................................................... 19
- 2.11. GROUNDS (REAR CHASSIS), P. 11 ..................................................................... 20
- 2.12. GROUNDS (IP), P. 12 ............................................................................................ 21
- 2.13. GROUNDS (IP), P. 13 ............................................................................................ 22
- 2.14. CAB GROUNDS (ROOF, FLOOR), P. 14 ............................................................... 23
- 2.15. J1708 DATA LINK, P. 15 ...................................................................................... 24
- 2.16. J1939 DATA LINK, P. 16 ...................................................................................... 25
- 2.17. J2284 DATA LINK, P. 17 ...................................................................................... 26
- 2.18. DIAGNOSTIC CONNECTORS, P. 18 .................................................................... 27

## 3. CAB ACCESSORIES (CHAPTER 3)
- 3.1. CIGAR LIGHTER, P. 1 ............................................................................................ 28
- 3.2. POWER WINDOWS, P. 2 ....................................................................................... 29
- 3.3. POWER DOORS, P. 3 ............................................................................................ 30
- 3.4. HORN, P. 4 ............................................................................................................ 31
- 3.5. RADIO, P. 5 .......................................................................................................... 32
- 3.6. WINDSHIELD WIPER AND WASHER PUMP, P. 6 .................................................. 33
- 3.7. DOOR AJAR SWITCH AND DOME LIGHT, P. 7 ...................................................... 34

## 4. 12V CHARGING AND CRANKING SYSTEM (CHAPTER 4)
- 4.1. CHARGING AND CRANKING — INTERNATIONAL V6 ENGINE, P. 1 ................. 35

## 5. FANS AND ENGINE ACCESSORIES (CHAPTER 5)
- 5.1. HFCM MODULE — INTERNATIONAL V6 ENGINE, P. 1 ........................................... 36
- 5.2. FUEL TANKS — DUAL TANK, P. 2 ...................................................................... 37
- 5.3. FUEL TANKS — LEFT AND AFT TANK, P. 3 .......................................................... 38
1. INSTRUCTIONS AND CHARTS (CHAPTER 1)

1.1. CIRCUIT DIAGRAM INSTRUCTIONS, P. 1

---

### SWITC& RELAY POSITIONS AS SHOWN ON CIRCUIT DIAGRAMS INDICATE NORMAL POSITION WITH IGNITION OFF UNLESS OTHERWISE NOTED.

- **RELAY-SUPPRESSED**
- **CIRCUIT DIAGRAM INSTRUCTIONS**
- **PASS THRU-FWD CHASSIS (132)**

---

### PHANTOM LINES INDICATE PRINTED CIRCUITS OR BUSSED CIRCUITS. THESE CIRCUITS EXIST IN THE INSTRUMENT CLUSTER.

- **PRINTED CIRCUITS IN CLUSTER**

---

### CIRCUIT NUMBER

- **S7 BK**
- **BASE COLOR**

- **YOU WILL SEE TWO TYPES OF WIRE IDENTIFICATION ONE WITHOUT A STRIPE AND ONE WITH A STRIPE**

---

### WIRE GAUGE

- **#18 BLK**
- **#18 BLK-WH STRIPE**

### DESCRIPTION OF CONNECTOR FUNCTION

- **CONNECTOR MAY HAVE MULTIPLE CAVITIES DISPLAYED. TO CHECK ALL CAVITIES OR IF A CAVITY HAS A DUAL USE THE REFERENCE DESIGNATOR WILL BE THE KEY TO FINDING THE CONNECTOR IN THE CONNECTOR COMPOSITE LOCATED IN CHAPTER 12**

---

### PASS THRU-FWD CHASSIS (132)

- **CIRCUIT DIAGRAM INSTRUCTIONS**

---

### A SPLICE THAT IS EXTERNAL OR LOCATED IN THE HARNESS

- **A SPLICE THAT IS INTERNAL TO COMPONENTS AND FUSE BLOCKS**

---

### AT EYELET TERMINAL THAT HAS TWO WIRES CRIMPED IN IT

- **TWO EYELET TERMINALS STACKED ON EACH OTHER ON THE STUD**

---

### A DOUBLE CRIMPED TERMINAL

- **A CONNECTION WHICH RUNS DIFFERENTLY DEPENDING ON THE OPTION**

---

### ANOTHER SITUATION WHERE THERE IS AN OPTION CAUSING THE WIRE TO BE ROUTED TO ANOTHER LOCATION

- **THE OPTIONS CAUSING THE VARIATION ARE DESCRIBED IN THE DASHED BOX**

---

**Figure 1 Circuit Diagram Instructions**
1.2. CIRCUIT DIAGRAM INSTRUCTIONS, P. 2

COLOR ABBREVIATIONS:

- BK BLACK
- BR BROWN
- DB DARK BLUE
- DG DARK GREEN
- GY GRAY
- LB LIGHT BLUE
- LG LIGHT GREEN
- OR ORANGE
- PK PINK
- RD RED
- TN TAN
- WT WHITE
- YL YELLOW


NOUN ABBREVIATIONS:

- A ACCESSORY
- AC ACCESSORY
- AC AC AIR CONDITIONER
- AUX AUXILIARY
- AWG AMERICAN WIRE GAUGE
- B BATTERY
- BAT BATTERY
- CONN CONNECTION/CONNECTOR
- DRL DAYTIME RUNNING LIGHTS
- ENG ENGINE
- GA GAUGE
- W WITH
- G GROUND
- GN GND GROUND
- I IGNITION
- IGN IGNITION
- IND INDICATOR
- L LEFT
- LT LIGHT
- W-O WITHOUT
- OPT OPTIONAL
- RT RIGHT
- S START OR SENDER
- THERMO THERMOSTAT

Figure 2  Circuit Diagram Instructions
### 1.3. CIRCUIT DIAGRAM INSTRUCTIONS, P. 3

<table>
<thead>
<tr>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
<th>SYMBOL</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="symbol" alt="Pressure Switch" /></td>
<td>PRESSURE SWITCH</td>
<td><img src="symbol" alt="Cigar Lighter" /></td>
<td>CIGAR LIGHTER</td>
</tr>
<tr>
<td><img src="symbol" alt="Open-Manual Switch" /></td>
<td>NORMALLY OPEN-MANUAL SWITCH</td>
<td><img src="symbol" alt="Magnetic Switch" /></td>
<td>MAGNETIC SWITCH</td>
</tr>
<tr>
<td><img src="symbol" alt="Closed-Manual Switch" /></td>
<td>NORMALLY CLOSED-MANUAL SWITCH</td>
<td><img src="symbol" alt="BAP Sender" /></td>
<td>BAP SENDER</td>
</tr>
<tr>
<td><img src="symbol" alt="Ground Stud or Splice Pack" /></td>
<td>GROUND STUD OR SPLICE PACK</td>
<td><img src="symbol" alt="Single Element Light" /></td>
<td>SINGLE ELEMENT LIGHT</td>
</tr>
<tr>
<td><img src="symbol" alt="Fuse" /></td>
<td>FUSE</td>
<td><img src="symbol" alt="Dual Element Light" /></td>
<td>DUAL ELEMENT LIGHT</td>
</tr>
<tr>
<td><img src="symbol" alt="Resistor" /></td>
<td>RESISTOR</td>
<td><img src="symbol" alt="Temp Sender" /></td>
<td>TEMP SENDER</td>
</tr>
<tr>
<td><img src="symbol" alt="Crank Motor &amp; Solenoid" /></td>
<td>CRANK MOTOR &amp; SOLENOID</td>
<td><img src="symbol" alt="Temp Sender" /></td>
<td>TEMP SENDER</td>
</tr>
<tr>
<td><img src="symbol" alt="Speaker" /></td>
<td>SPEAKER</td>
<td><img src="symbol" alt="Solenoid" /></td>
<td>SOLENOID</td>
</tr>
<tr>
<td><img src="symbol" alt="Horn" /></td>
<td>HORN</td>
<td><img src="symbol" alt="Wheel Speed Sensor" /></td>
<td>WHEEL SPEED SENSOR</td>
</tr>
<tr>
<td><img src="symbol" alt="In-Line Connector" /></td>
<td>IN-LINE CONNECTOR</td>
<td><img src="symbol" alt="Motor" /></td>
<td>MOTOR</td>
</tr>
<tr>
<td><img src="symbol" alt="Component Case Ground" /></td>
<td>COMPONENT CASE GROUND</td>
<td><img src="symbol" alt="Motor" /></td>
<td>MOTOR</td>
</tr>
<tr>
<td><img src="symbol" alt="Splice" /></td>
<td>SPICE</td>
<td><img src="symbol" alt="Motor" /></td>
<td>MOTOR</td>
</tr>
<tr>
<td><img src="symbol" alt="Relay-Suppressed" /></td>
<td>RELAY-SUPPRESSED</td>
<td><img src="symbol" alt="Motor" /></td>
<td>MOTOR</td>
</tr>
</tbody>
</table>

---

**Figure 3  Circuit Diagram Instructions**

---

S08317
### 1.4. RELAY FUNCTIONS AND WIRING GUIDE, P. 4

**RELAY FUNCTIONS**

*MINIATURE RELAY FUNCTION AND WIRING GUIDE*

![RELAY SCHEMATIC]

**MICRO RELAY FUNCTION AND WIRING GUIDE**

*RELAY SCHEMATIC*

![RELAY SCHEMATIC]

---

**Figure 4  Relay Functions and Wiring Guide**
## 1.5. INTERNATIONAL V6 ENGINE CONTROLLER PIN NUMBER IDENTIFICATION, P. 5

### CONNECTOR (13) 1304E1

<table>
<thead>
<tr>
<th>ECM PIN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WIF WATER IN FUEL STATUS</td>
</tr>
<tr>
<td>2</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>3</td>
<td>KEYPWR KEY POWER</td>
</tr>
<tr>
<td>4</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>5</td>
<td>ECM2 MPR ECM2 MAIN POWER RELAY</td>
</tr>
<tr>
<td>6</td>
<td>BATT GND BATTERY GROUND</td>
</tr>
<tr>
<td>7</td>
<td>BATT GND BATTERY GROUND</td>
</tr>
<tr>
<td>8</td>
<td>DDS DRIVELINE DISENGAGE SIGNAL</td>
</tr>
<tr>
<td>9</td>
<td>FPC FUEL PUMP CONTROL</td>
</tr>
<tr>
<td>10</td>
<td>ACD A/C DEMAND</td>
</tr>
<tr>
<td>11</td>
<td>TACH TACH OUT SIGNAL</td>
</tr>
<tr>
<td>12</td>
<td>CAN+ J1939+</td>
</tr>
<tr>
<td>13</td>
<td>CAN- J1939-</td>
</tr>
<tr>
<td>14</td>
<td>RAS RESUME/ACCEL SWITCH</td>
</tr>
<tr>
<td>15</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>16</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>17</td>
<td>VSS CAL VSS CAL (SPEED)</td>
</tr>
<tr>
<td>18</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>19</td>
<td>RPRE REMOTE PRESET</td>
</tr>
<tr>
<td>20</td>
<td>RVAR REMOTE VARIABLE</td>
</tr>
<tr>
<td>21</td>
<td>SCS SET/COAST SWITCH</td>
</tr>
<tr>
<td>22</td>
<td>ACC A/C CONTROL</td>
</tr>
<tr>
<td>23</td>
<td>ECI ENGINE CRANK INHIBIT</td>
</tr>
<tr>
<td>24</td>
<td>BAP BAROMETRIC AIR PRESSURE</td>
</tr>
</tbody>
</table>

### CONNECTOR (14) 1304D1

<table>
<thead>
<tr>
<th>ECM PIN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>ECM2 PWR ECM2 POWER</td>
</tr>
<tr>
<td>2</td>
<td>ECM2 PWR ECM2 POWER</td>
</tr>
<tr>
<td>3</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>4</td>
<td>VREF 5V REFERENCE</td>
</tr>
<tr>
<td>5</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>6</td>
<td>C00 CRUISE ON/OFF</td>
</tr>
<tr>
<td>7</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>8</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>9</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>10</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>11</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>12</td>
<td>IVC IDLE VALIDATION SW</td>
</tr>
<tr>
<td>13</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>14</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>15</td>
<td>FPM FUEL PUMP MONITOR</td>
</tr>
<tr>
<td>16</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>17</td>
<td>WEL WARNING LIGHT</td>
</tr>
<tr>
<td>18</td>
<td>APS ACC PEDAL SSR</td>
</tr>
<tr>
<td>19</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>20</td>
<td>ATA+ J1708+</td>
</tr>
<tr>
<td>21</td>
<td>ATA- J1708-</td>
</tr>
<tr>
<td>22</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>23</td>
<td>NOT POPULATED</td>
</tr>
<tr>
<td>24</td>
<td>KL31B GROUND</td>
</tr>
</tbody>
</table>

### CONNECITOR (12-WAY) 17071

<table>
<thead>
<tr>
<th>ECM PIN</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>IDM2 GND GROUND</td>
</tr>
<tr>
<td>2</td>
<td>ATA+ J1708+</td>
</tr>
<tr>
<td>3</td>
<td>ATA- J1708-</td>
</tr>
<tr>
<td>4</td>
<td>PWR GND POWER GROUND</td>
</tr>
<tr>
<td>5</td>
<td>A/C- A/C CLUTCH</td>
</tr>
<tr>
<td>6</td>
<td>IDM LGC PWR IDM2 LOGIC POWER</td>
</tr>
<tr>
<td>7</td>
<td>A/C+ A/C CLUTCH</td>
</tr>
<tr>
<td>8</td>
<td>IDM2 MPR IDM2 MAIN PWR RELAY</td>
</tr>
<tr>
<td>9</td>
<td>KEYPWR KEY POWER</td>
</tr>
<tr>
<td>10</td>
<td>ACT PWR ACTUATOR POWER</td>
</tr>
<tr>
<td>11</td>
<td>ALT ALTERNATOR WARNING</td>
</tr>
<tr>
<td>12</td>
<td>IDM2 MP IDM2 MAIN POWER</td>
</tr>
</tbody>
</table>

---

**Figure 5**  
International V6 Engine Controller Pin Number Identification
1.6. POWER DISTRIBUTION BOX, P. 6

Figure 6  Power Distribution Box
1.7. POWER DISTRIBUTION BOX, P. 7

Figure 7  Power Distribution Box
1.8. IN-CAB RELAY BOX, P. 8

Figure 8 In-Cab Relay Box
### 1.9. LAMP BULB CHART, P. 9

<table>
<thead>
<tr>
<th>BULB APPLICATION</th>
<th>CANDLEPOWER OR WATTS</th>
<th>BULB TRADE NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASHTRAY</td>
<td>1.4W</td>
<td>74T-5</td>
</tr>
<tr>
<td>DOME</td>
<td>10W</td>
<td>L12X</td>
</tr>
<tr>
<td>FOGLIGHTS</td>
<td>55W</td>
<td>54151</td>
</tr>
<tr>
<td>ROOF MARKER LIGHTS</td>
<td>5W</td>
<td>0194</td>
</tr>
<tr>
<td>HIGH BEAM HEADLIGHT</td>
<td>65W</td>
<td>9007 LL</td>
</tr>
<tr>
<td>LOW BEAM HEADLIGHT</td>
<td>55W</td>
<td>9007 LL</td>
</tr>
<tr>
<td>PARK LAMP</td>
<td>27W</td>
<td>1157&quot;N&quot;</td>
</tr>
<tr>
<td>FRONT TURN SIGNAL</td>
<td>8W</td>
<td>1157&quot;N&quot;</td>
</tr>
<tr>
<td>SIDE MARKER LIGHTS</td>
<td>5W</td>
<td>168</td>
</tr>
<tr>
<td>REVERSE LIGHT</td>
<td>32W</td>
<td>1156</td>
</tr>
<tr>
<td>STOP/TAI LIGHTS</td>
<td>32W/3W</td>
<td>1157</td>
</tr>
</tbody>
</table>

Figure 9  Lamp Bulb Chart
2. 12 VOLT POWER DISTRIBUTION CIRCUIT DIAGRAMS (CHAPTER 2)

2.1. BATTERY FEEDS, P. 1

Figure 10 Battery Feeds
Figure 11  Battery Feeds (Cont.)
2.3. BATTERY FEEDS, P. 3

Figure 12  Battery Feeds (Cont.)
2.4. KEY SWITCH, P. 4

Figure 13  Key Switch
2.5. IGNITION FEEDS (RUN), P. 5

Figure 14  Ignition Feeds (Run)
2.6. IGNITION FEEDS (START), P. 6

Figure 15  Ignition Feeds (Start)
2.7. IGNITION FEEDS (RUN-START), P. 7

Figure 16  Ignition Feeds (Run-Start)
2.8. IGNITION FEEDS (RUN-ACCESSORY), P. 8

Figure 17  Ignition Feeds (Run-Accessory)
2.9. GROUNDS (MAIN CHASSIS), P. 9

Figure 18  Grounds (Main Chassis)
2.10. GROUNDS (MAIN CHASSIS), P. 10

![Electrical Circuit Diagram](image)

Figure 19  Grounds (Main Chassis)
2.11. GROUNDS (REAR CHASSIS), P. 11

Figure 20  Grounds (Rear Chassis)
2.12. GROUNDS (IP), P. 12

Figure 21  Grounds (IP)
2.13. GROUNDS (IP), P. 13

Figure 22  Grounds (IP)
2.14. CAB GROUNDS (ROOF, FLOOR), P. 14

Figure 23  Cab Grounds (Roof, Floor)
2.15. J1708 DATA LINK, P. 15

Figure 24  J1708 Data Link
2.16. J1939 DATA LINK, P. 16

Figure 25 J1939 Data Link
2.17. J2284 DATA LINK, P. 17

Figure 26  J2284 Data Link
2.18. DIAGNOSTIC CONNECTORS, P. 18

Figure 27  Diagnostic Connectors
3. CAB ACCESSORIES (CHAPTER 3)

3.1. CIGAR LIGHTER, P. 1

Figure 28  Cigar Lighter
3.2. POWER WINDOWS, P. 2

Figure 29 Power Windows
3.3. POWER DOORS, P. 3

<table>
<thead>
<tr>
<th>POWER DOORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>ELECTRICAL CIRCUIT DIAGRAM</td>
</tr>
</tbody>
</table>

**Figure 30** Power Doors
3.4. HORN, P. 4

Figure 31 Horn
3.5. RADIO, P. 5

Figure 32 Radio
3.6. WINDSHIELD WIPER AND WASHER PUMP, P. 6

Figure 33  Windshield Wiper and Washer Pump
3.7. DOOR AJAR SWITCH AND DOME LIGHT, P. 7

Figure 34  Door Ajar Switch and Dome Light
4. 12V CHARGING AND CRANKING SYSTEM (CHAPTER 4)

4.1. CHARGING AND CRANKING — INTERNATIONAL V6 ENGINE, P. 1

Figure 35  Charging and Cranking — International V6 Engine
5. FANS AND ENGINE ACCESSORIES (CHAPTER 5)

5.1. HFCM MODULE — INTERNATIONAL V6 ENGINE, P. 1

Figure 36  HFCM Module — International V6 Engine
5.2. FUEL TANKS — DUAL TANK, P. 2

Figure 37  Fuel Tanks — Dual Tank
5.3. FUEL TANKS — LEFT AND AFT TANK, P. 3

Figure 38  Fuel Tanks — Left and Aft Tank
6. ELECTRONIC ENGINES (CHAPTER 6)

6.1. INTERNATIONAL V6 POWER AND GROUND SYSTEM, P. 1

Figure 39  International V6 Power and Ground System
6.2. INTERNATIONAL V6 CRUISE CONTROL, P. 2

Figure 40  International V6 Cruise Control
6.3. INTERNATIONAL V6 ACCELERATOR PEDAL, P. 3

Figure 41 International V6 Accelerator Pedal
# 7. CLUSTERS AND WARNING LIGHTS (CHAPTER 7)

## 7.1. CLUSTER CONNECTOR A, P. 1

![Cluster Connector A Diagram](image-url)

**Figure 42** Cluster Connector A
7.2. CLUSTER CONNECTOR A, P. 2

Figure 43  Cluster Connector A
### 7.3. CLUSTER CONNECTOR B, P. 3

#### INTERNATIONAL TRUCK AND ENGINE CORPORATION

<table>
<thead>
<tr>
<th>ELECTRICAL CIRCUIT DIAGRAM</th>
<th>CHAPTER 7</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLUSTER CONNECTOR B</td>
<td></td>
</tr>
</tbody>
</table>

#### S08317

**Figure 44 Cluster Connector B**

---

**Diagram Description**

- **J1930 Gauge Features**
  - SPEEDOMETER
  - TACHOMETER
  - ODOMETER
  - COOLANT TEMP

- **Cluster Connector B (2178)**

- ** abbreviations:**
  - Cluster
  - Chs: CH07, CH08, CH09, CH10

- **Legend:**
  - 1: HI-LO, 2: HI-I, 3: LO-I, 4: LO-LO
  - Brake Pressure Indicator
  - Brake Fluid Level Indicator
  - Abs Warning Light

- **Connectors:**
  - CH07-01, CH02-04

---

**Table:**

<table>
<thead>
<tr>
<th>CH</th>
<th>DATE</th>
<th>CHANGE</th>
<th>REV</th>
<th>REFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CNA</td>
<td>OCT04</td>
<td>REMOVE CHT 2233A</td>
<td>A</td>
<td>003500C</td>
</tr>
<tr>
<td></td>
<td>2233B, 2233C</td>
<td>REMOVE CHT 2233B</td>
<td>B</td>
<td>00753N</td>
</tr>
<tr>
<td></td>
<td>59053V</td>
<td>REMOVE CHT 2233C</td>
<td>C</td>
<td>05FEB04</td>
</tr>
</tbody>
</table>
7.4. CLUSTER CONNECTOR B, P. 4

Figure 45  Cluster Connector B
8. LIGHTS (CHAPTER 8)

8.1. MAIN LIGHT SWITCH, HAZARD SWITCH, P. 1

Figure 46 Main Light Switch, Hazard Switch
8.2. MARKER, FRONT PARK AND TURN LIGHTS, P. 2

Figure 47  Marker, Front Park and Turn Lights
8.3. REAR TAIL, TURN, STOP AND BACKUP LIGHTS, P. 3

Figure 48  Rear Tail, Turn, Stop and Backup Lights
8.4. FOG LIGHTS, P. 4

Figure 49  Fog Lights
8.5. HEADLIGHTS, P. 5

Figure 50  Headlights
8.6. PANEL LIGHTS, P. 6

Figure 51  Panel Lights
9. CHASSIS ACCESSORIES (CHAPTER 9)

9.1. ANTILOCK BRAKE SYSTEM (ABS), P. 1

Figure 52  Antilock Brake System (ABS)
9.2. BODY BUILDER CUSTOMER ACCESS CIRCUITS (BOC), P. 2

Figure 53  Body Builder Customer Access Circuits (BOC)
9.3. BODY BUILDER LIGHTING CIRCUITS (BOC), P. 3

Figure 54  Body Builder Lighting Circuits (BOC)
9.4. BODY BUILDER (EOF), P. 4

Figure 55  Body Builder (EOF)
9.5. BRAKE SYSTEMS: FLUID, PRESSURE AND PEDAL SWITCH, P. 5

Figure 56  Brake Systems: Fluid, Pressure and Pedal Switch
9.6. BRAKE SYSTEMS: ELECTRIC TRAILER BRAKES, P. 6

Figure 57  Brake Systems: Electric Trailer Brakes
10. TRANSMISSION (CHAPTER 10)

10.1. TRANSMISSION CONTROL MODULE CONNECTOR, P. 1

Figure 58  Transmission Control Module Connector
10.2. TCM TO TRANSMISSION BULKHEAD CONNECTOR, P. 2

Figure 59  TCM to Transmission Bulkhead Connector
11. CLIMATE CONTROL (CHAPTER 11)

11.1. HVAC SYSTEM, P. 1

Figure 60  HVAC System
Figure 61  A/C Clutch
11.3. PUSHER FAN, P. 3

Figure 62  Pusher Fan
12. CONNECTOR COMPOSITES (CHAPTER 12)

12.1. CONNECTOR COMPOSITES (1), (2), (3), (4), (5), (101), (102), (103), (104), (105), (106), P. 1

Figure 63 Connector Composites (1), (2), (3), (4), (5), (101), (102), (103), (104), (105), (106)
12.2. CONNECTOR COMPOSITES (1G), (201), (202A), (202C), (203), (204), P. 2

Figure 64  Connector Composites (1G), (201), (202A), (202C), (203), (204)
12.3. CONNECTOR COMPOSITES (205A), (205B), (206), (207), (208), (209), P. 3

Figure 65  Connector Composites (205A), (205B), (206), (207), (208), (209)
12.4. CONNECTOR COMPOSITES (211), (212), (213), (214), (215), (217A), (217B), P. 4

Figure 66  Connector Composites (211), (212), (213), (214), (215), (217A), (217B)
12.5. CONNECTOR COMPOSITES (220), (222), (223), (225), (226), (227), (228), (229), (233), (234), P. 5

Figure 67  Connector Composites (220), (222), (223), (225), (226), (227), (228), (229), (233), (234)
12.6. CONNECTOR COMPOSITES (235), (236B), P. 6

Figure 68  Connector Composites (235), (236B)
12.7. CONNECTOR COMPOSITES (237), (238), (239), (240), (241), (242A), (242B), P. 7

Figure 69  Connector Composites (237), (238), (239), (240), (241), (242A), (242B)
12.8. CONNECTOR COMPOSITES (2G), (3G), (243), (244), (245), (246), (247), (248), (249), (300G), (301G), (302G), P. 8

Figure 70  Connector Composites (2G), (3G), (243), (244), (245), (246), (247), (248), (249), (300G), (301G), (302G)
12.9. CONNECTOR COMPOSITES (301), (301A), (301B), (301D), (304D), (304E), P. 9

Figure 71  Connector Composites (301), (301A), (301B), (301D), (304D), (304E)
12.10. CONNECTOR COMPOSITE (306), P. 10

![Diagram of Connector Composite (306)]

Figure 72  Connector Composite (306)
12.11. CONNECTOR COMPOSITES (308), (309), (310), (313), P. 11

Figure 73  Connector Composites (308), (309), (310), (313)
12.12. CONNECTOR COMPOSITES (315), (316), (317), (318), (401), (402), P. 12

Figure 74  Connector Composites (315), (316), (317), (318), (401), (402)
12.13. CONNECTOR COMPOSITES (403), (404), (410), (411), (412), (413), (4G), (500), P. 13

Figure 75  Connector Composites (403), (404), (410), (411), (412), (413), (4G), (500)
12.14. CONNECTOR COMPOSITES (502), (503), (504), (506), (507), (508), (509), (510), P. 14

Figure 76  Connector Composites (502), (503), (504), (506), (507), (508), (509), (510)
12.15. GEOMETRY REMOVED, P. 15

GEOMETRY REMOVED

Figure 77  Geometry Removed
12.16. CONNECTOR COMPOSITES (700), (702A), P. 16

Figure 78  Connector Composites (700), (702A)
12.17. CONNECTOR COMPOSITES (701), (702B), P. 17

Figure 79   Connector Composites (701), (702B)
12.18. CONNECTOR COMPOSITES (702D), P. 18

Figure 80  Connector Composites (702D)
12.19. CONNECTOR COMPOSITES (703), (704), P. 19

Figure 81  Connector Composites (703), (704)
12.20. CONNECTOR COMPOSITES (705), P. 20

Figure 82 Connector Composites (705)
12.21. CONNECTOR COMPOSITES (705), P. 21

Figure 83  Connector Composites (705)
12.22. CONNECTOR COMPOSITES (705), (706), (707), P. 22

Figure 84  Connector Composites (705), (706), (707)