

# International<sup>®</sup> A26 (2017)

Overview: *Multi Torque*

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## General Overview: Multi Torque Mode

Multi Torque (MT) Mode selection allows better multi torque utilization.

The Multi Torque feature selects the programmable Engine Control Module (ECM) parameters for the desired vehicle configuration.

This document will address the unique Multi Torque functionality for the A26 engine.

## Description and Operation

1. Standard MT will change available torque solely based on gear.
2. Multi torque 2 will use inputs from the transmission related to mass/grade/acceleration to determine which torque level will most benefit fuel economy and still offer hardware protection in lower gears.

## Programmable Parameters

“Customer Programmable” parameters can be adjusted differently than the production assembly plant setting to meet customer’s needs. If a parameter is indicated as non - customer programmable, the parameter setting is preset from the factory and can’t be changed without dealer authorization.

Parameter Name	Description	Possible Values	Customer Prgm?	Recommended Setting
Smart Torque Enable (39030)	This parameter determines the Smart Torque mode. <ul style="list-style-type: none"> <li>• <b>If set to (0)</b> - Smart Torque is disabled.</li> <li>• <b>If set to (2)</b> - Smart Torque is set for Standard Multi Torque.</li> <li>• <b>If set to (3)</b> - Smart Torque is set for Multi Torque 2.</li> </ul>	0: Disabled 1: Standard Multi Torque 2: Multi Torque 2	NO	Programming Support
Minimum Gear Number to Enable Extra Torque (89150)	The transmission gear threshold to allow the use of the higher torque curve. For all gears below this value the low torque curve will be used.	7-18	NO	Top gear minus one is the default. This must be coordinated with the transmission model to prevent transmission damage.

## Frequently Asked Questions

NA

## Definitions/Acronyms

Acronym	Definition
ECM	Engine Control Module
MT	Multi Torque