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1. Up Shift Indicator (General Overview)

The up-shift indicator feature provides an indication to the operator that the transmission should be shifted into a higher gear. This helps to improve fuel economy.

The feature is commonly used on manual transmissions and automated manuals in manual mode.

This document will address the up-shift indicator for MaxxForce® 11L and 13L engines.

1.1. Feature Codes

N/A

2. Definitions/Acronyms

The following terms are referenced in this document:

- **ECM** – Engine Control Module

3. Description and Operation

3.1. Operation

The up-shift indicator is activated based on the engine speed. The feature can be enabled or disabled by a customer programmable parameter.


3.2. Feature Interaction

N/A

4. Parameters

The following programmable parameters are related to the up-shift indicator.

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

Parameter Name	Description	Possible Values	Customer Programmable?	Recommended Setting
UPSHIFT INDICATOR (8217)	<p>(If equipped) This parameter enables the up shift indicator light in the gauge cluster.</p>  <p>This symbol indicates that the transmission should be shifted into a higher gear based on current engine speed and torque conditions.</p>	<p>0: Disable</p> <p>1: Enable</p>	YES	<p>Set to (0) if the vehicle is equipped with an Allison transmission.</p> <p>Set to (1) if the feature is desired and you have a manual transmission or will operate an automated manual in manual mode.</p>
PTP Enable (7722)	This parameter must be enabled for progressive shift, power train protection, and up-shift Indicator to operate.	<p>0: Disable</p> <p>1: Enable</p>	YES	Must be set to 1.

5. Parameter Setup

N/A

6. Frequently Asked Questions

N/A