

# MaxxForce<sup>®</sup> 15 (2011)

Overview: *Up-Shift Indicator*

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## General Overview: Up-Shift Indicator

The Up-Shift Indicator feature provides a visual display to the vehicle operator indicating that the transmission should be shifted into a higher gear. This indication to the operator becomes important when this feature is utilized with the ProShift feature. This feature encourages the operator to drive the vehicle within the optimum fuel economy range.

This document will address the unique Up-Shift indicator functionality for the MaxxForce® 15.

## Description and Operation

The Up-Shift indicator is activated based on operating parameters affecting current engine speed. This feature is commonly used on manual transmission vehicles. The Up-Shift indication is based on the engine speed and is accomplished in the following two ways.

- When the engine speed is high or when the vehicle speed is at the Gear Down Protection vehicle speed limit for the current gear, the vehicle will not accelerate further in the current gear. The Up-Shift indicator will let the operator know it is time to shift to the next higher gear.
- When the engine speed is high enough and the vehicle speed is constant for a period of time a system check is performed to determine if the next higher gear will maintain the current vehicle speed. This done to reduce engine speed and increase fuel efficiency while maintaining the current vehicle speed in the next higher gear.

## Programmable Parameter

The following programmable parameters are available with the Up-Shift Indicator feature.

Parameter Name	Description	Possible Values	Cust Pgrm	Recommended Settings
Up-Shift Indicator (8217)	This parameter enables the Up-Shift indicator light in the gauge cluster.	<b>0:</b> Disable <b>1:</b> Gear Down Protection/ProShift Indicator <b>2:</b> Fuel Efficiency Indicator (Note: Same indicator as ProShift Indicator) <b>3:</b> Both	YES	
PTP Enable (7722)	This parameter must be enabled for ProShift, Power Train Protection, and Up-Shift Indicator to operate.	<b>0:</b> Disable <b>1:</b> Enable	YES	Must be set to 1

## Frequently Asked Questions

Not applicable for Up-Shift Indicator.

## Definitions/Acronyms

None