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Preliminary Information

PIP5735 Exhaust Brake Feel

Models

Brand:	Model:	Model Years:	VIN:		Engine:	Transmissions:
			from	to		
Chevrolet	Silverado	2020	All	All	6.6 L5P	All
GMC	Sierra	2020	All	All	6.6 L5P	All

Involved Region or Country:	North America
Condition:	A customer may complain that the exhaust brake does not seem to work.
Cause:	The technician may find that there are no codes set or messages on the DIC.

Correction:

The information below may be useful when addressing a vehicle with this complaint:

There were many improvements with the new Allison transmission in the 2020 Duramax. Some of the changes have to do with the feel of the exhaust brake. Prior to 2020 model year, the movement of the turbocharger vanes was very rapid so that a customer could feel the engagement of the exhaust brake. In model year 2020, the movement of the vanes is slower. This can give the feel that the exhaust brake is not functioning properly. As long as the customer sees the message that states EXHAUST BRAKE ON and there are no codes set, the vehicle is functioning properly.

The following is from the owner's manual describing the exhaust brake operation:

Automatic downshifts will not occur if the vehicle is in Range Selection Mode. See “Manual Mode” in the owner’s manual. The exhaust brake only activates when the transmission torque converter is locked. This can vary based on vehicle speed, gear, and load. To activate the system, press the EXHAUST BRAKE button on the center stack. A light in the switch will come on when the exhaust brake is activated. The switch must be pressed at each vehicle start for the system to be active. The Driver Information Center (DIC) displays the message EXHAUST BRAKE ON for approximately three seconds, then clears. To turn the brake off, press the exhaust brake switch a second time. The DIC displays the message EXHAUST BRAKE OFF for approximately three seconds, then clears. The exhaust brake will be more active when in Tow/Haul Mode.

Version History

Version	1
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