



Mack Trucks, Inc.
Greensboro, NC USA

This Field Service Bulletin replaces bulletin FSB 293-024 dated 2.2014.

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3.2014	293	024	02	1(5)

EGR Differential Pressure Sensor MP8, MP10, US07, US2010

FSB 293-024, Exhaust Gas Recirculation (EGR) Differential Pressure Sensor

(March 2014)

On MACK vehicles built between January 1, 2007 and January 1, 2013 that require the replacement of the EGR Venturi tube or an EGR differential pressure sensor, it will be necessary to replace them with a kit to update the system to the current levels. The kits will contain the new type of sensor and a crimped in pigtail for the MP10 engines and a jumper harness for the MP8 engines.

Note: It is **NOT** necessary to replace the entire engine harness when a new type sensor is being installed.



CAUTION

For MP8 engines only, verify and locate the pins in the **engine harness connector** for the EGR differential pressure sensor prior to the installation of the kit. Improper pinning will result in improper operation. Refer to Engine Harness Connector Pin Locations in this bulletin.

Refer to the appropriate service bulletin in Function Group 29 for service procedures.

Note: This bulletin does not apply to Mack Trucks Australia.

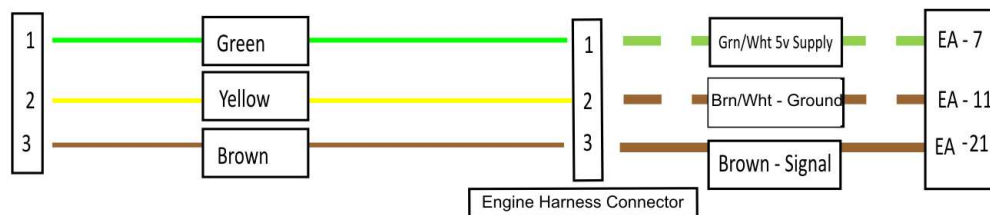
Engine Harness Connector Pin Locations

When installing the kit for the updated EGR differential pressure sensor for the MP8 engine, the engine harness connector pins will need to be relocated. The previous pin locations were:

- Pin 1 — Green/White
- Pin 2 — Brown
- Pin 4 — White/Brown

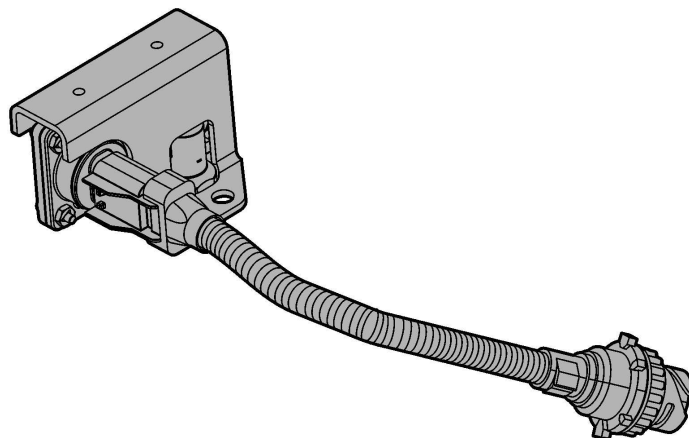
The new engine harness connector pin locations when replacing old style EGR differential pressure sensor with the new style sensor used in kit are:

- Pin 1 — Green/White
- Pin 2 — Brown/White
- Pin 3 — Brown



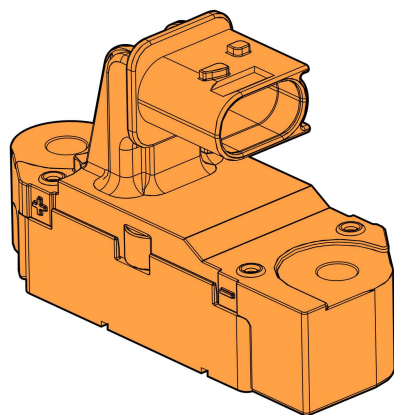
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Use extractor tool (part number 9812483) in kit 88890037 to relocate the engine harness connector pins.



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Old Style Differential Pressure Sensor



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New Style Differential Pressure Sensor

Required Parts

EGR Differential Pressure Sensor Kits	
Description (Application)	Kit Part Number
MP8 Non-Allison Transmission	22069629
MP8 Allison Transmission	22069630
MP10	22069631

MP8 Non-Allison Transmission Kit 22069629 Includes

Part Number	Description	Quantity
21634076	Sensor	1
22037398	Harness	1
21948053	Venturi	1
22073940	Wrap	1
984737	Screw Sensor	2
967343	O-Ring	2

MP8 Allison Transmission Kit 22069630 Includes

Part Number	Description	Quantity
21634076	Sensor	1
22037398	Harness	1
22001108	Venturi	1
22090422	Wrap	1
984737	Screw Sensor	2
967343	O-Ring	2

MP10 Kit 22069631 Includes

Part Number	Description	Quantity
21634076	Sensor	1
22037618	Harness	1
21892930	Venturi	1
21896809	Wrap	1
984737	Screw Sensor	2
85124530	Hose Kit	1
967343	O-Ring	1