



<b>DTC (Code)</b> P0402 - 00 <b>Codigo:</b>	<b>Bulletin:</b> RD18-002 <b>Date Fecha:</b> June 17, 2019
<b>Description:</b> Engine Exhaust Gas Recirculation Differential Pressure - Mechanical system not responding properly	
<b>Application:</b> US13 – US20 Emissions	

**General Information**

These repair instructions are intended to address the following fault(s):

DTC	Description	Possible Cause	Possible (Observable) Symptoms
P0402-00	Engine Exhaust Gas Recirculation Differential Pressure - Mechanical system not responding properly	<ul style="list-style-type: none"> <li>• Connector</li> <li>• Wiring harness</li> <li>• EGR Valve</li> <li>• Charge air system leakage</li> <li>• EGR differential pressure sensor</li> </ul>	EGR mass flow above calculated value

**Required Parts**

Part Number	Description	Quantity
22172068	EGR Differential Pressure Sensor	1

**Repair Instructions**

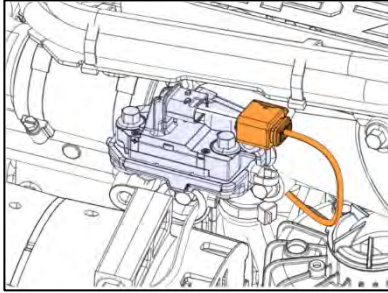
EGR Differential Pressure Sensor, Replacement

1. Park the vehicle on a level surface with the steering wheel in the straight ahead position.\
2. Apply the parking brake.
3. Place the gear lever in neutral.
4. Install the wheel chocks.
5. Disconnect the cable from the battery's negative terminal.  
 CAUTION: Risk of material damage. Failure to secure loose material in the cab before tilting can result in material damage. Secure all loose material within the cab before tilting.  
 CAUTION: Risk of material damage. Damage may occur to the cab. Make sure that there is adequate space in front of the vehicle before tilting the cab. WARNING: Risk of serious injury. A cab that is not tilted to the end position constitutes a safety risk. Always tilt the cab to the end position. Never perform any work under the cab before it has been tilted to the end position.
6. Raise the cab.

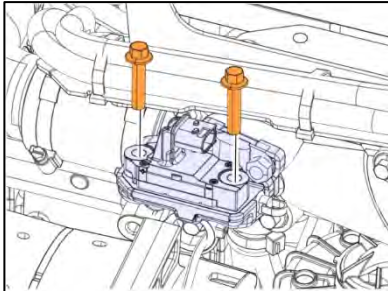
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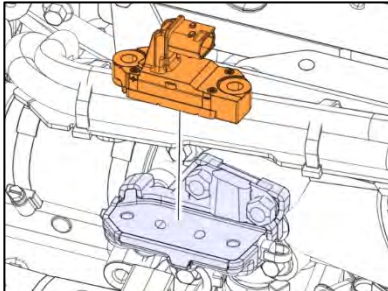
7. Disconnect the connector.



8. Remove the screws.

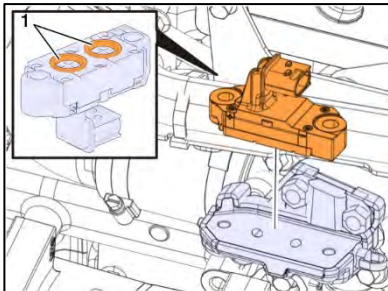


9. Remove the pressure sensor.



10. Verify the presence of the sealing rings (1).

11. Position the sensor.



12. Install the screws.



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13. Tighten the screws to torque.  
Tightening torque: Pressure sensor, screw 20 ±3 Nm (15 ±2 lbf·ft)
14. Connect the connector.
15. Connect the battery cable to negative (ground) terminal.
16. Delete the DTC (Diagnostic Trouble Code) according to the diagnostic tool (Premium Tech Tool) instructions.\
17. Start the engine (III).
18. Check the repair for leaks.
19. Turn off the engine.
20. Lower the cab. Note: Ensure that the cab locks engage.
21. Remove the wheel chocks.

**Additional Resources**

These repairs are the most likely fix for the identified fault, if this does not fix the issue, Tech Tool will need to be used for more detailed diagnostics. If filing a warranty claim, please include the ASIST case number.

<b>Labor Code</b>	
2939-03-02-01	0.4
<b>Causal Part</b>	22172068