

Component Procedures: Exhaust Gas Recirculation

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EGR

Control System Inspection

1. Crank the engine and verify that

EGR valve

operation (initial operation) sound is heard.

- If the operation sound is not heard, connect the M-MDS to the

DLC

-2 and verify that the DTC P0403 is shown. Perform DTC inspection. (See DTC TABLE [LF, L3].)

See: A L L Diagnostic Trouble Codes (DTC) > Diagnostic Trouble Code Descriptions

2. Start the engine and idle it.

3. Warm up the engine to normal operating temperature.

4. Access the following PIDs:

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ECT

, RPM, SEGRP_DSD, APP1, APP2,

VSS

5. Idle the vehicle and verify that the SEGRP value is 0.

6. Put the vehicle in drive.

7. Depress the

accelerator pedal

and verify that the SEGRP_DSD value is increased.

- If the EGR valve increases, inspect the following:

- EGR valve (stuck open or close)

- Wiring harness and connectors (

Main relay

- EGR valve -

PCM

)

- If the SEGRP_DSD value does not increase, inspect the VSS, APP1, APP2, TP and ECT PIDs. (See PCM INSPECTION [LF, L3].)

8. Stop the vehicle and verify that the SEGRP value returns to 0.