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Coding Information

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Title: Troubleshooting a Diagnostic Trouble Code (DTC) 525 on DLCII Engines FAQ 213061

Applies To: Model: All engines with the DLC2 ECM/IDM controllers.

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Resolution: DTC Code 525 may be active because the IDM is not powered up or the ECM calibration needs to be updated.

I-6 EGR - check the ECM calibration on ISIS using the Vehicle Calibration Scorecard and reprogram the engine to the latest calibration if needed. Refer to TSI 06-12-01.

If the IDM will not pre-cycle the injectors it probably does not have a good power or ground connection. If it will not pre-cycle the injectors supply the IDM circuits direct battery power and ground using the engine harness 12 pin break out tee. If the IDM will then pre-cycle the injectors continue diagnostics on the power and ground circuits.

VT275 and VT365 - Before replacing the IDM perform the IDM PWR (Injection Driver Module Power) circuit checks as outlined in the Engine Diagnostic Manual. When checking the voltage at the IDM X-3 connector disconnect the harness from the IDM and load the circuit with a headlight to make sure the circuit will carry the load. If all the voltages are correct with the IDM circuits loaded and code is still active replace the IDM.

Refer to the following manuals for the IDM PWR circuit diagnostic steps:

Engine	Manual
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VT 275

[EGES-305-2](#)

VT-365

[EGES-240](#)

DT 466 / DT 570 / HT 570

[EGES-2701](#)

FAQ 213061 DTC 525 Troubleshooting

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