DTC	P0191/49	FUEL RAIL PRESSURE SENSOR CIRCUIT RANGE/PERFORMANCE

CIRCUIT DESCRIPTION

Refer to DTC P0087/49 on page 05–486.

INSPECTION PROCEDURE

HINT:

- If DTCs P0087/49, P0190/49, P0192/49 or P0193/49 is set simultaneously with P0191/49, the manifold absolute pressure sensor may have an open or a short circuit. Troubleshoot those DTCs first.
- Read freeze frame data using the intelligent tester II. Freeze frame data record the engine condition when malfunctions are detected. When troubleshooting, freeze frame data can help determine if the vehicle was moving or stationary, if the engine was warmed up or not, and other data from the time the malfunction occurred.

DTC No.	DTC Detection Condition	Trouble Area
P0191/49	Voltage output of fuel pressure sensor for common rail outside standard range (1 trip detection logic)	• Fuel pressure sensor

1	CHECK OTHER DTC OUTPUT(IN ADDITION TO DTC P0191)

(a) Connect an intelligent tester II to the DLC3.
(b) Turn the ignition switch ON and turn the intelligent tester II ON.
(c) Select the following menu items: Powertrain / Engine and ECT / DTC.
(d) Read DTCs.

Result:

Display (DTC Output)	Proceed To
P0191	A
P0191 and other DTCs	B

HINT:

If any DTCs other than P0191/49 are output, troubleshoot those DTCs first.

B → GO TO RELEVANT DTC CHART (See page 05–477)

A

REPLACE COMMON RAIL ASSY (FUEL PRESSURE SENSOR) (See page 11–67)