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P1790

# **ST Solenoid Valve Circuit Malfunction**

### **CIRCUIT DESCRIPTION**

Shift solenoid valve ST is switched ON-OFF by a signal from ECM so that let in or out timing of 2nd brake is adjusted by operating orifice control valve. Therefore, shift solenoid valve ST operates when letting in or out reverse clutch.

If it is broken, the shift shock becomes big.

DTC No.	DTC Detecting Condition	Trouble Area
P1790	<ul> <li>ECU memorizes DTC P1790 if (a) or (b) condition below is detected once or more, but ECU does not start MIL blinking.</li> <li>(a) Solenoid resistance is 30 Ω or lower (short circuit) when solenoid energized.</li> <li>(b) Solenoid resistance is 100 kΩ or higher (open circuit) when solenoid is not energized.</li> </ul>	<ul> <li>Open or short in shift solenoid valve ST circuit</li> <li>Shift solenoid valve ST</li> <li>MIL</li> </ul>

## WIRING DIAGRAM



DI6UF-02

## **INSPECTION PROCEDURE**



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2	Measure harness and connector between ECM and automatic transaxle solenoid	
	connector.	l



#### **PREPARATION:**

Disconnect the solenoid connector from the automatic transaxle.

#### CHECK:

Measure the harness and connector between terminal ST of ECM and terminal ST of solenoid connector.

#### <u>OK:</u>

**Resistance: 0**  $\Omega$ 



Repair or replace the harness or connector.

ОК

OK



