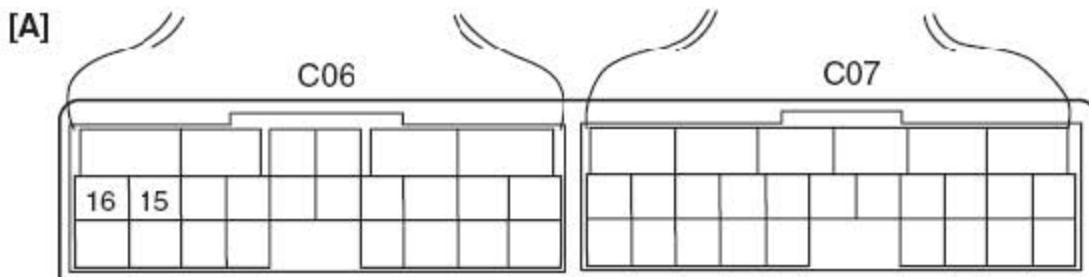
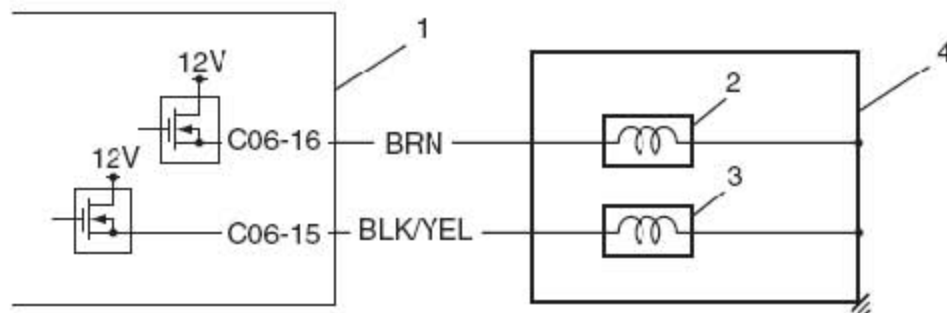


P0974 / P0977: Shift Solenoid-A (No.1) / Shift Solenoid-B (No.2) Control Circuit High

Wiring Diagram



1. TCM	3. Shift solenoid valve-B (No.2)	[A]: Terminal arrangement of TCM connector (viewed from harness side)
2. Shift solenoid valve-A (No.1)	4. A/T	

DTC Detecting Condition and Trouble Area

DTC detecting condition	Trouble area
Voltage of shift solenoid valve TCM terminal is high although TCM is commanding shift solenoid to turn OFF	<ul style="list-style-type: none"> • Shift solenoid valve circuit open or shorted to power circuit • Malfunction of shift solenoid valve • TCM

DTC Confirmation Procedure

- 1) Connect scan tool to DLC with ignition switch OFF, if available.
- 2) Clear DTC in TCM memory.
- 3) Start engine and shift select lever to "D" range.
- 4) Start vehicle and increase vehicle speed until gear position reaches 3rd or 4th gear.
- 5) Decrease vehicle speed and stop vehicle.
- 6) Check DTC.

DTC Troubleshooting

Step	Action	Yes	No
1	Was "A/T System Check" performed?	Go to Step 2.	Go to "A/T System Check".
2	<p>Check shift solenoid valve circuit for IG short</p> <p>1) Connect valve body harness connector. 2) Disconnect TCM connectors. 3) Check for proper connection to TCM at terminal "C06-16" (for shift solenoid valve-A (No.1)) or "C06-15" (for shift solenoid valve-B (No.2)).</p> <p>4) If connection is OK, turn ignition switch ON and measure voltage between terminal "C06-16" (for shift solenoid valve-A (No.1)) or "C06-15" (for shift solenoid valve-B (No.2)) of disconnected harness side TCM connector and ground.</p> <p>Is it 0 – 2 V?</p>	Go to Step 3.	<p>DTC P0974: "BRN" circuit shorted to power circuit.</p> <p>DTC P0977: "BLK/YEL" circuit shorted to power circuit.</p>

Step	Action	Yes	No
3	<p>Check shift solenoid valve resistance</p> <p>1) Turn ignition switch OFF.</p> <p>2) Disconnect valve body harness connector (1), (2) on automatic transaxle.</p> <p>3) Check for proper connection to solenoid at "BRN" (for shift solenoid valve-A (No.1)) or "BLK/YEL" (for shift solenoid valve-B (No.2)) circuit. Check resistance of solenoid valve.</p> <p>Shift solenoid valve resistance</p> <p>Between shift solenoid valve-A (No.1) terminal (3) and transaxle: 11 – 15 Ω at 20 °C (68 °F)</p> <p>Between shift solenoid valve-B (No.2) terminal (4) and transaxle: 11 – 15 Ω at 20 °C (68 °F)</p> <p><i>Is check results satisfactory?</i></p>	<p>Intermittent trouble or faulty TCM. Check for intermittent referring to "Intermittent and Poor Connection Inspection in Section 00". If OK, substitute a known good TCM and recheck.</p>	<p>Replace applicable shift solenoid valve or valve body harness.</p>