## AUTOMATIC TRANSMISSION SYSTEM

### DIAGNOSTIC TROUBLE CODE CHART

If a DTC is displayed during the DTC check, check the circuit listed in the table below and proceed to the page given.

**HINT:**
- "1: "Comes on" means that the MIL illuminates.
- "2: "DTC stored" means that the ECM memorizes the malfunction code if the DTC detection condition(s) are met.
- These DTCs may be output when the clutch, brake and gear components, etc., inside the automatic transmission are damaged.

<table>
<thead>
<tr>
<th>DTC No.</th>
<th>Detection Item</th>
<th>Trouble Areas</th>
<th>MIL *1</th>
<th>Memory *2</th>
<th>See page</th>
</tr>
</thead>
</table>
| P0705   | Transmission Range Sensor Circuit Malfunction (PRNDL Input) | - Open or short in park/neutral position switch circuit  
- Park/neutral position switch  
- ECM | Comes on | DTC stored | AT-45    |
| P0710   | Transmission Fluid Temperature Sensor "A" Circuit | - Open or short in No. 1 ATF temperature sensor circuit  
- Transmission wire (No. 1 ATF temperature sensor)  
- ECM | Comes on | DTC stored | AT-51    |
| P0711   | Transmission Fluid Temperature Sensor "A" Performance | - Transmission wire (No. 1 ATF temperature sensor)  
- ECM | Comes on | DTC stored | AT-56    |
| P0712   | Transmission Fluid Temperature Sensor "A" Circuit Low Input | - Short in No. 1 ATF temperature sensor circuit  
- Transmission wire (No. 1 ATF temperature sensor)  
- ECM | Comes on | DTC stored | AT-51    |
| P0713   | Transmission Fluid Temperature Sensor "A" Circuit High Input | - Open in No. 1 ATF temperature sensor circuit  
- Transmission wire (No. 1 ATF temperature sensor)  
- ECM | Comes on | DTC stored | AT-51    |
| P0717   | Input Speed Sensor Circuit No Signal | - Open or short in speed sensor (NT) circuit  
- Speed sensor (NT)  
- ECM | Comes on | DTC stored | AT-59    |
| P0722   | Output Speed Sensor Circuit No Signal | - Open or short in speed sensor (SP2) circuit  
- Speed sensor (SP2)  
- ECM | Comes on | DTC stored | AT-64    |
| P0748   | Pressure Control Solenoid "A" Electrical (Shift Solenoid Valve SL1) | - Open or short in shift solenoid valve SL1 circuit  
- Shift solenoid valve SL1  
- ECM | Comes on | DTC stored | AT-69    |
<table>
<thead>
<tr>
<th>DTC No.</th>
<th>Detection Item</th>
<th>Trouble Areas</th>
<th>MIL *1</th>
<th>Memory *2</th>
<th>See page</th>
</tr>
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</table>
| P0751   | Shift Solenoid "A" Performance (Shift Solenoid Valve S1) | - Shift solenoid valve S1 remains open or closed  
- Shift solenoid valve SLT remains open or closed  
- Valve body is blocked  
- Automatic transmission (clutch, brake or gear, etc.) | Comes on       | DTC stored | AT-72    |
| P0756   | Shift Solenoid "B" Performance (Shift Solenoid Valve S2) | - Shift solenoid valve S2 remains open or closed  
- Shift solenoid valve SLT remains open or closed  
- Valve body is blocked  
- Automatic transmission (clutch, brake or gear, etc.) | Comes on       | DTC stored | AT-78    |
| P0771   | Shift Solenoid "E" Performance (Shift Solenoid Valve SR) | - Shift solenoid valve SR remains open or closed  
- Shift solenoid valve SL1 remains open or closed  
- Shift solenoid valve SLT remains open or closed  
- Valve body is blocked  
- Automatic transmission (clutch, brake or gear, etc.) | Comes on       | DTC stored | AT-84    |
| P0776   | Pressure Control Solenoid "B" Performance (Shift Solenoid Valve SL2) | - Shift solenoid valve SL2 remains open  
- Shift solenoid valve SLT remains open or closed  
- Valve body is blocked  
- Automatic transmission (clutch, brake or gear, etc.) | Comes on       | DTC stored | AT-89    |
| P0778   | Pressure Control Solenoid "B" Electrical (Shift Solenoid Valve SL2) | - Open or short in shift solenoid valve SL2 circuit  
- Shift solenoid valve SL2  
- ECM | Comes on       | DTC stored | AT-94    |
| P0781   | 1-2 Shift (1-2 Shift Valve) | - Valve body is blocked up or stuck (1-2 shift valve)  
- Shift solenoid valve SLT remains open or closed  
- Automatic transmission (clutch, brake or gear, etc.) | Comes on       | DTC stored | AT-98    |
<table>
<thead>
<tr>
<th>DTC No.</th>
<th>Detection Item</th>
<th>Trouble Areas</th>
<th>MIL &quot;1&quot;</th>
<th>Memory &quot;2&quot;</th>
<th>See page</th>
</tr>
</thead>
</table>
| P0818   | Driveline Disconnect Switch Input Circuit | - Short in No. 2 transfer indicator switch (Transfer neutral position switch) circuit  
- No. 2 transfer indicator switch  
- Combination meter  
- ECM | Comes on | DTC stored | AT-103     |
| P0973   | Shift Solenoid "A" Control Circuit Low (Shift Solenoid Valve S1) | - Short in shift solenoid valve S1 circuit  
- Shift solenoid valve S1  
- ECM | Comes on | DTC stored | AT-107     |
| P0974   | Shift Solenoid "A" Control Circuit High (Shift Solenoid Valve S1) | - Open in shift solenoid valve S1 circuit  
- Shift solenoid valve S1  
- ECM | Comes on | DTC stored | AT-107     |
| P0976   | Shift Solenoid "B" Control Circuit Low (Shift Solenoid Valve S2) | - Short in shift solenoid valve S2 circuit  
- Shift solenoid valve S2  
- ECM | Comes on | DTC stored | AT-111     |
| P0977   | Shift Solenoid "B" Control Circuit High (Shift Solenoid Valve S2) | - Open in shift solenoid valve S2 circuit  
- Shift solenoid valve S2  
- ECM | Comes on | DTC stored | AT-111     |
| P0985   | Shift Solenoid "E" Control Circuit Low (Shift Solenoid Valve SR) | - Short in shift solenoid valve SR circuit  
- Shift solenoid valve SR  
- ECM | Comes on | DTC stored | AT-115     |
| P0986   | Shift Solenoid "E" Control Circuit High (Shift Solenoid Valve SR) | - Open in shift solenoid valve SR circuit  
- Shift solenoid valve SR  
- ECM | Comes on | DTC stored | AT-115     |
| P2714   | Pressure Control Solenoid "D" Performance (Shift Solenoid Valve SLT) | - Shift solenoid valve SLT remains open or closed  
- Shift solenoid valve S1, S2, SR, SL1 or SL2 remains open or closed  
- Valve body is blocked  
- Automatic transmission (clutch, brake or gear, etc.) | Comes on | DTC stored | AT-119     |
| P2716   | Pressure Control Solenoid "D" Electrical (Shift Solenoid Valve SLT) | - Open or short in shift solenoid valve SLT circuit  
- Shift solenoid valve SLT  
- ECM | Comes on | DTC stored | AT-126     |
<table>
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<tr>
<th>DTC No.</th>
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<th>Trouble Areas</th>
<th>MIL *1</th>
<th>Memory *2</th>
<th>See page</th>
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<tbody>
<tr>
<td>P2740</td>
<td>Transmission Fluid Temperature Sensor &quot;B&quot; Circuit</td>
<td>- Open or short in No. 2 ATF temperature sensor circuit&lt;br&gt;- No. 2 ATF temperature sensor&lt;br&gt;- ECM</td>
<td>Comes on</td>
<td>DTC stored</td>
<td>AT-130</td>
</tr>
<tr>
<td>P2742</td>
<td>Transmission Fluid Temperature Sensor &quot;B&quot; Circuit Low Input</td>
<td>- Short in No. 2 ATF temperature sensor circuit&lt;br&gt;- No. 2 ATF temperature sensor&lt;br&gt;- ECM</td>
<td>Comes on</td>
<td>DTC stored</td>
<td>AT-130</td>
</tr>
<tr>
<td>P2743</td>
<td>Transmission Fluid Temperature Sensor &quot;B&quot; Circuit High Input</td>
<td>- Open in No. 2 ATF temperature sensor circuit&lt;br&gt;- No. 2 ATF temperature sensor&lt;br&gt;- ECM</td>
<td>Comes on</td>
<td>DTC stored</td>
<td>AT-130</td>
</tr>
<tr>
<td>P2757</td>
<td>Torque Converter Clutch Pressure Control Solenoid Performance (Shift Solenoid Valve SLU)</td>
<td>- Shift solenoid valve SLU remains open or closed&lt;br&gt;- Valve body is blocked&lt;br&gt;- Shift solenoid valve SLU&lt;br&gt;- Torque converter clutch&lt;br&gt;- Automatic transmission (clutch, brake or gear, etc.)&lt;br&gt;- Line pressure is too low</td>
<td>Comes on</td>
<td>DTC stored</td>
<td>AT-135</td>
</tr>
<tr>
<td>P2759</td>
<td>Torque Converter Clutch Pressure Control Solenoid Control Circuit Electrical (Shift Solenoid Valve SLU)</td>
<td>- Open or short in shift solenoid valve SLU circuit&lt;br&gt;- Shift solenoid valve SLU&lt;br&gt;- ECM</td>
<td>Comes on</td>
<td>DTC stored</td>
<td>AT-140</td>
</tr>
<tr>
<td>P2772</td>
<td>Transfer &quot;L4&quot; Switch Circuit</td>
<td>- Short in No. 1 transfer indicator switch (Transfer L4 position switch) circuit&lt;br&gt;- No. 1 transfer indicator switch&lt;br&gt;- ECM</td>
<td>Comes on</td>
<td>DTC stored</td>
<td>AT-144</td>
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</tbody>
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