DTC C0550

Circuit Description
At each power-up, the transfer case shift control module runs a self-test on the following functions:
- EEPROM Checksum
- ROM Checksum
- RAM Checksum
- RAM Malfunction

Conditions for Running the DTC
- The ignition is ON.
- System voltage is 9-18 volts.

Conditions for Setting the DTC
- Critical operational parameters stored in EEPROM have failed Checksum test indicating invalid data.
- Masked ROM code has failed Checksum test indicating that masked ROM data is not currently valid.
- ROM code has failed Checksum test indicating that ROM data is not currently valid.
- One or more RAM locations have failed operational test indicating that some portions of RAM are not functional.

Action Taken When the DTC Sets
- The SERVICE 4WD indicator remains illuminated for the remainder of the current ignition cycle.
- The transfer case control switch does not display the current position LED while DTC C0550 is current.

Conditions for Clearing the DTC
- Replace the transfer case shift control module.
- Perform the Diagnostic System Check - Transfer Case.

Test Description

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Did you perform the Diagnostic System Check – Transfer Case?</td>
<td>Go to Step 2</td>
<td>Go to Diagnostic System Check - Transfer Case</td>
</tr>
<tr>
<td>2</td>
<td>Replace the transfer case shift control module.</td>
<td>System OK</td>
<td>—</td>
</tr>
</tbody>
</table>

Steps 1-2

The number below refers to the step number on the diagnostic table:
2. This step replaces the transfer case shift control module.