

## DTC C0550

### Circuit Description

When the ignition switch is turned ON, the rear wheel steering control module monitors communications between its internal microprocessors and performs self-diagnostic tests. If an internal malfunction is detected, the rear wheel steering control module will store a DTC C0550 in its memory.

### Conditions for Running the DTC

Turn the ignition switch to the ON position, with engine ON.

### Conditions for Setting the DTC

- The rear wheel steering control module detected an internal malfunction.
- The malfunction must be detected when the ignition switch is first turned ON.

### Action Taken When the DTC Sets

- The Service 4 Wheel Steer indicator in IPC will be displayed.
- The code is displayed on scan the tool as DTC C0550.
- The output comm and to the motor is zeroed. The motor drive circuits are disabled using commands from the rear wheel steering control module to open the power relay.
- The rear wheels will be returned to the default centered position.

### Conditions for Clearing the DTC

- Conditions for the DTC are not currently present.
- The module receives a clear code comm and from the scan tool.
- The DTC clears after 100 malfunction free ignition cycles.

### Diagnostic Aids

- Since DTC C0550 is an internal malfunction to the rear wheel steering control module, there is not a repair procedure. The rear wheel steering control module must be replaced.
- The rear wheel steering control module tests for multiple internal malfunctions and will store a DTC C0550 if one or more internal malfunctions are detected. Therefore, depending on which malfunction was detected, and what internal circuitry was affected, this DTC may cause various symptoms.

### Test Description

The number below refers to the step number on the diagnostic table.

- 2) - This DTC requires rear wheel steering control module replacement.

### DTC C0550 Diagnosis

Step	Action	Yes	No
1	Did you perform the Diagnostic System Check–Rear Wheel Steering?	Go to Step 2	Go to <i>Diagnostic System Check - Rear Wheel Steering</i>
2	With the scan tool monitor the rear wheel steering control module for DTC C0550 Is the DTC current ?	Go to Step 3	Go to Diagnostic Aids
3	<b>Important:</b> Perform the Learn Alignment procedure. Refer to <i>Measuring Wheel Alignment (With Rear Wheel Steering)</i> or <i>Measuring Wheel Alignment (Without Rear Wheel Steering)</i> in Wheel Alignment. Replace the rear wheel steering module. Refer to <i>Rear Wheel Steering Control Module Replacement</i> . Did you complete the replacement?	System OK	–