

Steering: Pinpoint Tests

Test A: Steering Has Lack of Assist or Inconsistent Assist


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NOTE: Hard steering or lack of assist is experienced when the steering wheel effort exceeds specifications. Hard steering can remain constant through the full turn, occur near the end of a turn or differ right to left. It is important to know the difference between hard steering/lack of assist and poor returnability/sticky steering.

Possible Causes

- ^ Steering gear
- ^ Power steering pump
- ^ Power steering hoses

PINPOINT TEST A: STEERING HAS LACK OF ASSIST OR INCONSISTENT ASSIST

Test Step		Result / Action to Take
A1	CHECK THE STEERING ASSIST WITH THE ENGINE RPM RAISED	
	<ul style="list-style-type: none"> •  CAUTION: Do not hold the steering wheel at the stops for an extended amount of time. Damage to the power steering pump can occur. • Set the engine at 2,100 rpm and turn the steering wheel fully to the left and right. • Is steering assist normal with the engine rpm raised. 	<p>Yes INSTALL a new power steering pump.</p> <p>No GO to A2.</p>

(Continued)

A1

PINPOINT TEST A: STEERING HAS LACK OF ASSIST OR INCONSISTENT ASSIST (Continued)

Test Step		Result / Action to Take
A2	CHECK FOR A CHANGE OF ASSIST ON LEFT AND RIGHT TURNS	
	<ul style="list-style-type: none"> • With the engine at idle, turn the steering wheel fully to the left and to the right. • Does the steering assist change when turning from right to left. 	<p>Yes INSTALL a new steering gear.</p> <p>No CARRY OUT the Power Steering Pressure Component Test</p>

A2