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## Power Steering Pressure Test - 4.0L

### Special Service Tools

**211-313**

E58729

Adapter, power steering pressure test  
211-313 (LRT-57-035A)

**211-011-02**

E58730

Hose, power steering pressure test  
211-011-02 (LRT-57-002)

**211-011-11**

E58731

Hose, power steering pressure test  
211-011-11

**211-011-01**

E58732

Valve block, power steering pressure test  
211-011-01 (LRT-57-001)

**211-287**

E58733

Hose and gauge, power steering pressure test  
211-287 (LRT-57-005)

**211-325**

E58734

Adapter, power steering pressure test  
211-325 (LRT-57-042)

1 . Disconnect the battery ground cable.

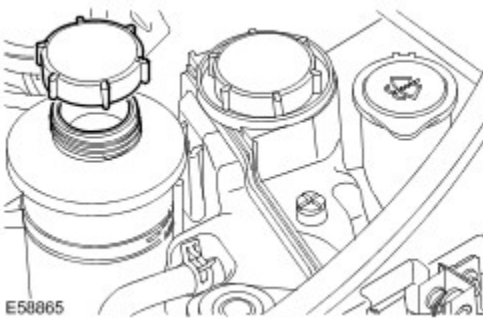
[Specifications](#)

2 . Remove the engine cover.

[Engine Cover - 4.0L \(12.30.50\)](#)

3 . Siphon the fluid from the power steering reservoir.

- Remove the filler cap.
- Install the filler cap.



4 . Position an absorbent cloth to collect fluid spillage.

5 .



**CAUTION:** Before disconnecting or removing the components, ensure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

**NOTE :**

Some fluid spillage is inevitable during this operation.

**NOTE :**

Care must be taken to avoid contamination of the drive belt.

Disconnect the power steering high-pressure pipe union.

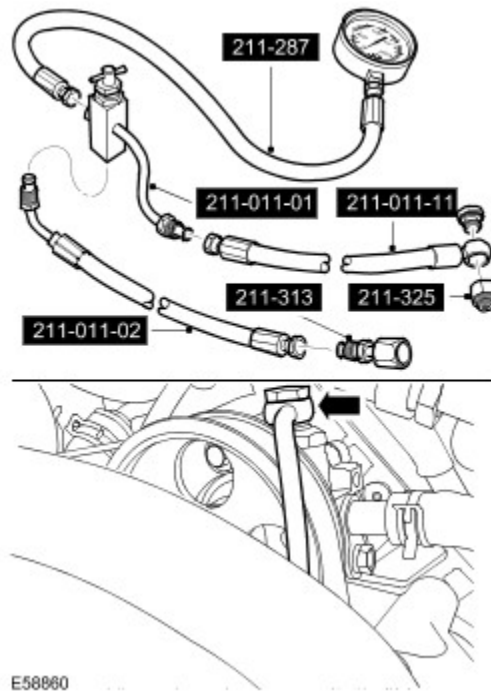
- Remove the bolt.
- Remove and discard the 2 sealing washers.
- Position a container to collect the fluid.

6 . Install the special tools to the power steering high-pressure port.

- Install the O-ring seal.
- Tie the pressure gauge aside under the hood.

7 . Install the special tool to the high-pressure union.

- Install the O-ring seals.
- Connect the special tool line, to the special tool valve block assembly.



8 . Refill the power steering reservoir.

- Remove the filler cap.

9 . Connect the battery ground cable.

[Specifications](#)

10 . **NOTE :**

Ensure the steering components and test equipment are free from leaks.

**NOTE :**

Maintain the maximum fluid level during the test.

**NOTE :**

Make sure the steering is in the straight ahead position.

**NOTE :**

Under no circumstances must the low pressure spigot be removed from the steering pump.

With the test valve open start the engine.

- Start the engine and turn steering fully lock to lock, stop the engine.

- Top-up the power steering fluid reservoir.
- Install the reservoir filler cap.

11 . For correct power steering pressures, refer to the steering specification section.  
[Specifications](#)

12 . With the engine at idle, slowly turn the steering wheel and hold on full lock.

- Record the pressure reading.

13 . Repeat the above procedure for the other side.

- Record the pressure reading.

14 . With the engine at idle, release the steering wheel. The pressure should be, at or below, the pressure specified.

- Pressure outside this tolerance, indicates a fault.

15 . To determine if the fault is in the steering pump or the steering rack, close the test valve for a maximum of 5 seconds.

16 . If the pressures recorded fall outside the given values, replace the power steering pump.

17 . If the maximum pump pressure is correct, then suspect the power steering rack.

18 . On completion of the test stop the engine, disconnect the battery ground cable and siphon the steering fluid from the reservoir.

- Remove the filler cap.
- Install the filler cap.

19 . Disassemble the test equipment.

20 . Connect the high-pressure line to the power steering pump.

- Clean the component mating faces.
- Install the new O-ring seals.
- Tighten the bolt to 25 Nm (18 lb.ft).

21 . Install the engine cover.  
[Engine Cover - 4.0L \(12.30.50\)](#)

22 . Connect the battery ground cable.

23 . Refill and bleed the power steering.

[Power Steering System Filling and Bleeding](#)