

01

Pre-Trip Inspection and Daily
Maintenance..... 2

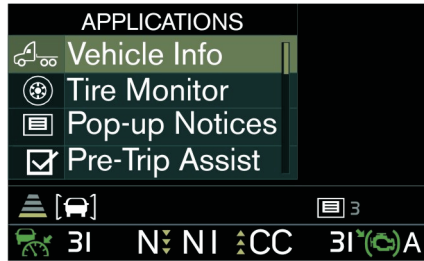
Pre-trip Inspection

Pre-Trip Assistant

The Pre-Trip Assistant option is a tool to assist the driver in completing the pre-trip inspection of the vehicle. This option is not a substitute for a complete pre-trip inspection. If any system of the vehicle does not pass inspection, the error must be corrected before operating the vehicle.

The following tests are available:

- Light Switch Test; Allows the driver to physically activate each switch. If the switch operates properly it is noted on the Switch Test DID screen.
- Leak-Down Test; Allows the driver to check the air system for leaks. Any leaks are noted on the Leak-Down Test DID screen.
- Light Inspection; Allows the driver to perform system controlled test of the vehicle's lighting systems.



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NOTE

The Hazard and High/Low beam switches are momentary switches and return to the OFF position when released during testing.

Light Switch Test

- 1 The Light Switch Test checks the functionality of the switches and their corresponding circuits. To start the tests, the driver must turn the individual switches on/off. As the switches turn on/off, the cluster updates the DID to show which switch option is being tested and its status.

NOTE

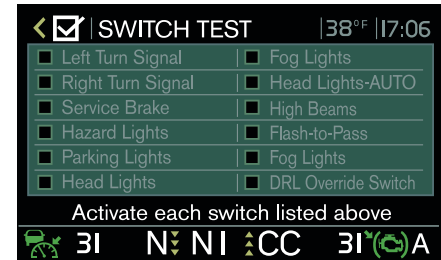
For additional information concerning the steering wheel controls, refer to the Steering Wheel Controls sub-section of the Driver Information Display (DID) section.

The initial Pre-Trip Assistant screen displays.

Using the steering wheel controls Toggle/Scroll Up/Down/Enter button, scroll to Light Switch Test Check List.

Press Enter.

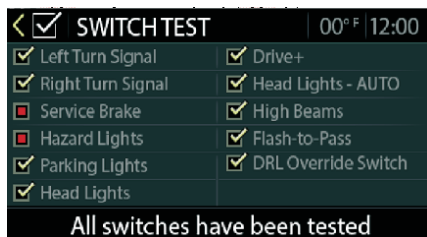
The Switch Test screen displays.



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Manually turn ON/OFF each switch listed on the checklist.

Once all the switch tests are completed, the checklist provides test result information. Check boxes represent a successfully completed test. Red boxes represent failed tests.



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A red checkbox could mean that the switch is not available or an error has occurred. If any of the checkboxes display red, for available switches, maintenance is required by a certified technician before driving the vehicle.

Light Inspection Check

The Light Inspection check repeatedly turns all exterior lights on/off for the vehicle. This check allows the operator to start the test, exit the vehicle and do a visual check and determine that all exterior lighting is functioning properly.

The following exterior lights are cycled through the check:

- Parking
- Hazard
- Turn signals (left and right)
- High/Low beam headlights
- Brake

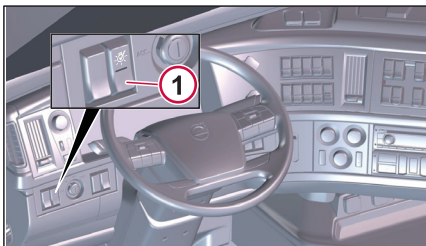
- Fog/Driving (Optional)

Light Inspection check/test can be activated either by

Light Inspection Switch on dash or From the Pre-Trip Assistant main screen menu.

Light Inspection Switch

- Switch on the Light Inspection Switch.

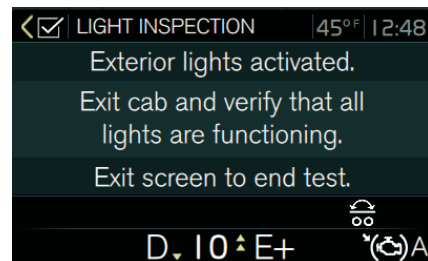


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1. Pre-Trip Inspection Light Switch

Pre-Trip Assistant main screen

- From the Pre-Trip Assistant main screen, select Light Inspection. Press Enter.



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Once the test is started, all exterior lights flash on and off so that you can perform a visual check. The test continues to run until the Applications button, on the steering wheel controls, is pressed. Also, the test turns off if the vehicle is moving faster than 5 km/h (3 mph).

Leak-Down Test

- 1 The leak-down test allows the driver to measure the amount of air pressure drop in the front and rear brake air systems. After selecting Leak-Down Test from the Pre-Trip Assistant main screen, you are prompted to apply the service brake for 60 seconds. After applying and holding the service brake for 60 seconds, the DID will display the amount of pressure drop in the brake system.

Before starting the test through the DID, complete the following:

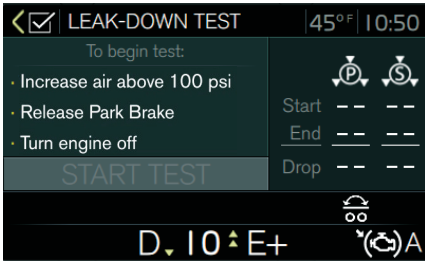
PRE-TRIP INSPECTION AND DAILY MAINTENANCE

- Start the engine and check that the brake pressure gauges are greater than 136 Nm (100 psi).
- Turn the engine off.
- Release the park brake.

The initial Leak-Down test screen displays.

NOTE

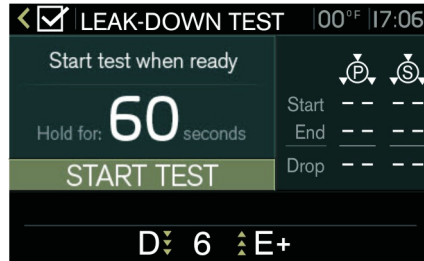
Before starting the leak-down test secure the vehicle by parking it on a level surface, applying the parking brake, and chocking the front wheels.



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The air tanks must have 136 Nm (100 psi) of pressure, in order for the Leak-Down test to initiate.

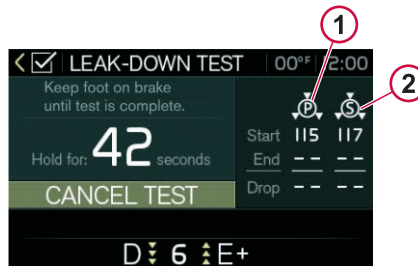
- 2 When the test is ready to start, the following screen displays.



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Press and hold the brake pedal until the test is completed.

To begin the test, press Enter.

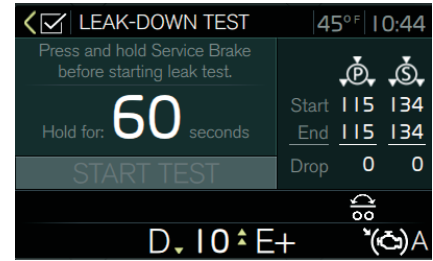


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- 1 Initial Park Brake Air Pressure
- 2 Initial Service Brake Air Pressure

When the test is completed, the following screen displays. The test results are displayed on the right side

of the screen for both the park and service brakes.



J337458

A

Air Leakage Check 3

B

Brake Pressure Screen 4

L

Light Inspection 3

Light Switch Test 2

P

Pre-Trip Assistant Option 2

