

Air Pressure Test

1. Mask off the body ventilation outlets.
2. Close all the windows.
3. Turn the vehicle's ventilation fan to the ON position, with the selector on high speed and in the defrost mode.
4. Unlock and close the doors.
5. Listen for escaping air along the door and the window seals with a mechanic's stethoscope or a length of heater hose.

Exterior Windnoise

Warning: Refer to [Assistant Driving Warning](#).

Exterior wind noise is louder when the vehicle is driven with one or more windows down. Exterior wind noise occurs when air passes over the body panels, the seams, or the openings. Use the following items during the test drive in order to aid in the detection of leaks:

- Mechanic's stethoscope or heater hose
 - Masking tape - 50 mm (2 in) width
1. While driving, determine the location of the exterior wind noise by lowering one window at a time. If the location corresponds with the condition in step 2, pull over and make a temporary repair with 50 mm (2 in) wide masking tape.
 2. Tape over the gaps and the moldings one at a time. Test between each taping. Taping over the gaps and moldings will correct the condition.
 3. Temporarily repair the condition with masking tape. Adjust the tape when needed.
 4. Continue testing in order to determine if the noise has been eliminated or other leak areas exist.
 5. When all the reported leak conditions are located, make permanent repairs using the correct alignment techniques and sealing materials.

Interior Windnoise

Warning: Refer to [Assistant Driving Warning](#).

Interior wind noise is not heard when the window is lowered. Interior wind noise is caused by the air leaving the inside of the vehicle through a seal or a seam.

1. Mask off the body ventilation outlets to cause added air pressure within the vehicle.
2. Test drive the vehicle and listen for wind noise or a whistle.
3. Pull the vehicle over and make the temporary repairs using masking tape. If you cannot determine the source of the wind noise, perform one or more of the following diagnostic tests:
 - [Tracing Powder or Chalk Test](#).
 - [Air Pressure Test](#).
 - [Soap Suds or Bubble Test](#).

Soap Suds or Bubble Test

1. Mask off the body ventilation outlets.
2. Close all the windows and the doors.
3. Turn the vehicle's ventilation fan to the ON position, with the selector on high speed and in the defrost mode.
4. Unlock and close the doors.
5. Apply the soap solution to the potential leak areas.
6. Look for bubbles revealing escaping air.

Tracing Powder or Chalk Test

1. Clean the weatherstrips and the contact surfaces with cleaning solvent.
2. Apply tracing powder or chalk in an unbroken line to the contact surface of the weatherstrip surrounding the perimeter of the suspected areas.
3. Close the panel completely without slamming the panel. Closing the panel completely presses the weatherstrip firmly against the mating surface.
4. Inspect the applied line on the weatherstrip. The applied line is marred where contact is good. A corresponding imprint is on the mating surfaces.
5. Gaps or irregularities in the powder or the chalk line on the mating surfaces indicate the areas with a poor seal.