



GROUP	MODEL
Body	2020-2022MY Sportage (QL)
NUMBER	DATE
PS699	July 2021



TECHNICAL OPERATIONS

SUBJECT:

WIND NOISE DIAGNOSIS AT 40-60 MPH

This Pitstop provides information to diagnose common areas of concern related to wind noise on some 2020-2022MY Sportage (QL) vehicles, and possible repairs to alleviate the noise once the source of noise has been identified. These concerns may include a customer complaint of generalized wind noise or hearing a high pitch wind noise, both when driving between 40-60 mph.

❶ IMPORTANT

When diagnosing a wind noise concern, first compare the noise to a like vehicle to determine if the noise is a normal characteristic of the model and that a high-wind weather condition is not present.

Inspection & Diagnosis: Common Sources of Wind Noise

Test drive the vehicle to confirm concern and isolate the noise to a particular area of the vehicle.

Roof:

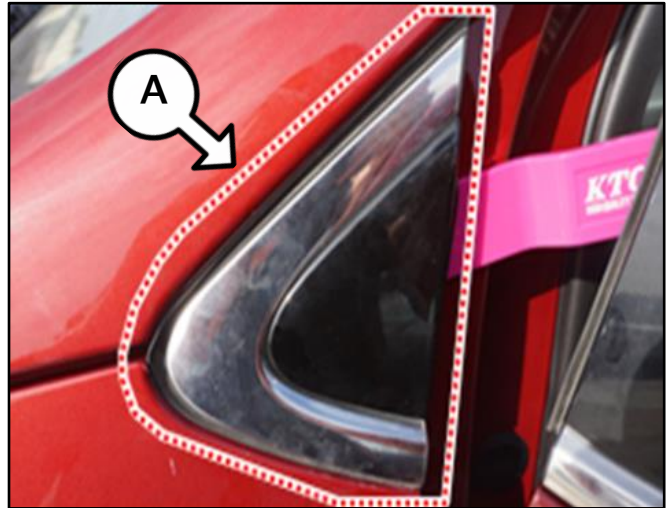
1. Exterior Accessories: To determine if the wind noise is coming from exterior accessories, such as roof racks or cross bars, remove the accessory and then test drive to see if noise has been eliminated. If noise is eliminated, and if accessories cannot be adjusted to eliminate the noise, inform the customer of the results.
2. Sunroof: Inspect seals and weatherstrips for damage, adjustment of sunroof glass may be necessary. Mask off the suspect area and test drive to confirm the noise level has decreased.
3. Windshield: Inspect for proper sealing of windshield assembly and molding installation, adjustment of trim pieces may be necessary. Mask off the suspect area and test drive to confirm the noise level has decreased.



Doors:

1. Outside Mirrors: Inspect side view mirror(s). Fold-in the side mirrors or mask off seams and test drive vehicle to determine if noise has been eliminated. Adjustment, application of insulating tape, or replacement of the mirror (if defective) may be required if determined to be the source of wind noise.
2. Trim/Moldings: Inspect for loose or damaged door trim/moldings. Mask off the delta garnish area (A) and test drive to confirm. Adjustment and/or application of insulating tape may be required.

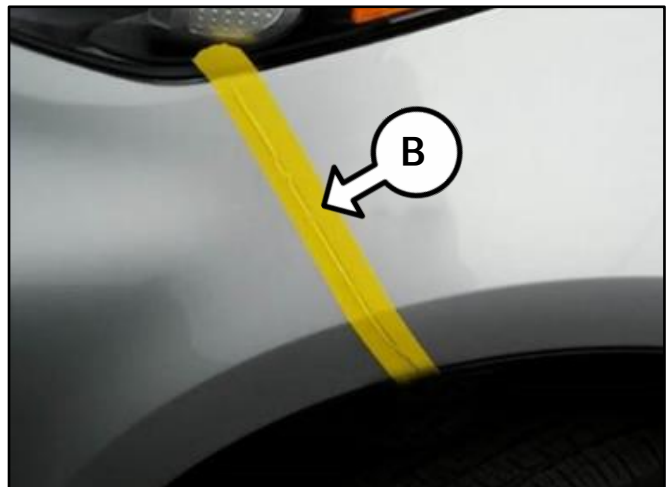
Note: Sample photo(s) are for demonstration purpose only. Vehicle shown may not accurately reflect those listed in this publication.



Front:

3. Bumper Cover to Fender Seam:

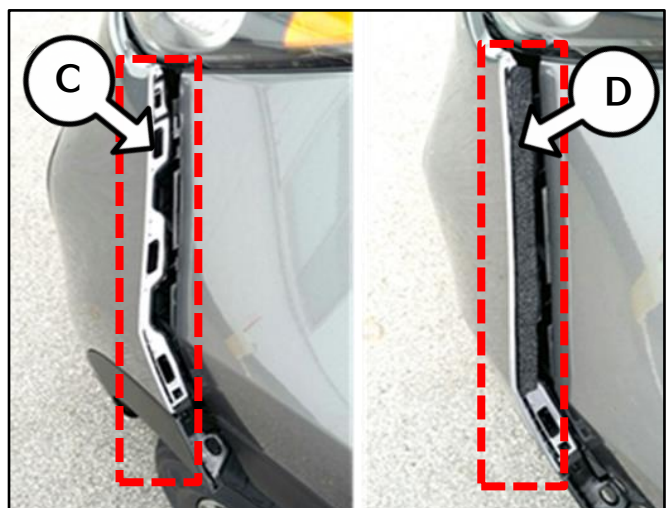
- Inspect bumper cover for damage.
- Mask off the bumper cover to fender seam (B) as shown and test drive the vehicle to determine if the noise has been eliminated.
- If noise has been eliminated, ensure that the bumper cover alignment and gaps are acceptable by comparing to a known good like vehicle. Adjust if necessary.



- If seam is acceptable (no gap), install foam insulating tape between the front bumper to the fender joint as follows:

- 1) Disassemble the front bumper to fender joint (C).
- 2) Ensure contact surfaces are clean, then apply foam insulating tape (D).
- 3) Reassemble in reverse order of disassembly.

Note: When reinstalling bumper, be sure to align the bumper flush with the fender.



- Test drive to ensure noise has been eliminated.

4. Headlamp: Confirm the headlamp is secured and not damaged. Mask off the area around headlamps and test drive to confirm. Adjustment of headlamp assembly, bumper cover, or hood assembly may be required.

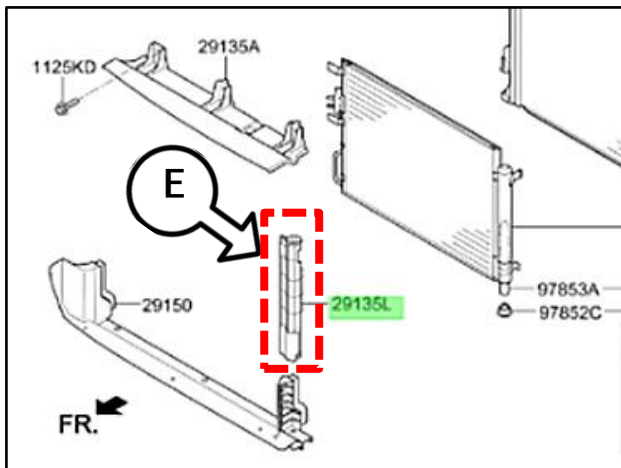
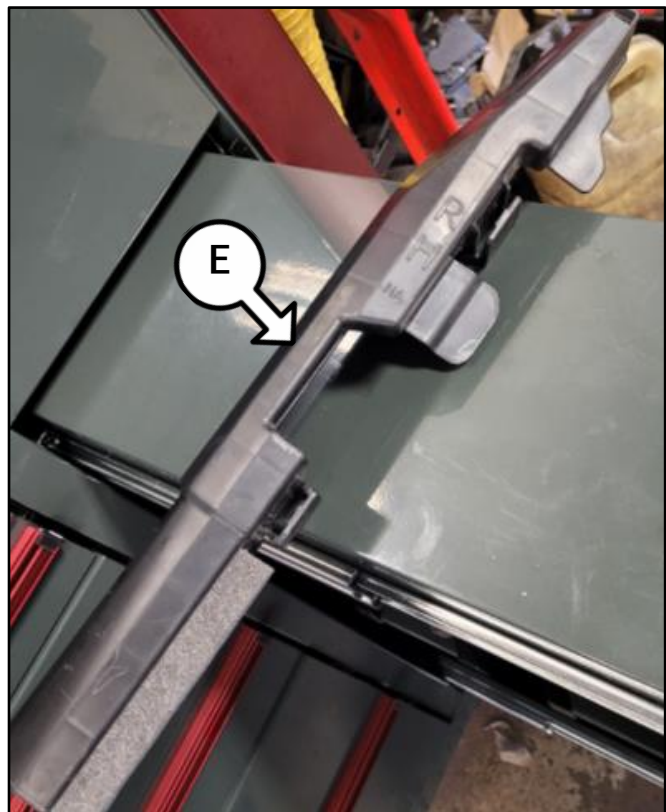
5. Front Grille Area:

- Inspect for proper installation of the grille and related trim components.
- Mask off one side of the front grille at a time.
- Test drive to determine if the noise has been eliminated.

Note: Make sure the vehicle is driven at the same speed and road conditions as when noise was first diagnosed.

- If noise is eliminated, inspect the air guides installed on the sides of the condenser for proper installation or deformation.
- Test drive with one air guide removed at a time to determine if noise is eliminated.
- If the noise goes away after removing either air guide, adjust or replace the air guide on that side as needed, then test drive again.

Note: Shown below is an example of a condenser air guide in the EPC.



Other:

6. Other Areas: Inspect cowl, moldings, trim pieces, and body panels for damage, proper installation, and alignment. Continue to mask areas and test drive until the area of concern has been identified.

