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Coding Information

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Title: ProStar Air Deflector Mounting Procedure (Rattling Noise from Air Deflector or Bulging Between Fasteners)

Applies To: All ProStar

DESCRIPTION

If you are experiencing a rattle-like noise coming from the roof mounted air deflector installing an adhesive-backed foam bulb seal may help.

PARTS INFORMATION

The D-shaped seal described in this article is not currently offered through International. However, it can be obtained directly from McMaster-Carr (part # 93085k68; 20 feet needed for 1 ProStar sleeper).

RESOLUTION

1. Remove or raise the air deflector to gain access to the area of roof where the seal will be applied.
2. Clean the roof to remove any dirt, grease, oil, or debris.
3. Apply the seal, beginning at the rear of the truck and work around to the other side. The seal should be applied below the mounting nuts and the bottom should rest against the roof lip. See Photo 1.



Photo 1. The black, D-shaped seal is adhered to the roof under the air deflector mounting nuts and above the roof lip.

4. Locate the approximate center of the above mentioned seal and mark this point.
5. Measure approximately 1 inch to the left and right of the center point established in Step 7. Mark these points.
6. Measure approximately 1 inch to the left and right of the marks made in Step 8, creating a pair of marks, framing a 1-inch wide gap, on each side of the center.
7. Using a razor knife or similar tool, carefully make a shallow cut along both of the lines created in Steps 7 and 8 and remove the seal material between the cuts.

IMPORTANT: Do not allow the cutting tool to contact the painted surface of the lower deflector element.

8. Clean the area from which the seal material was removed, using an adhesive remover confirmed to be safe for use on painted surfaces.
9. With the assistance of the second technician, position the upper deflector element in its "as-installed" location.



Photo 2. Installation of the seal is complete. Only the creation of water drains remains.

10. Move the air deflector into the final position and begin re-tightening the mounting hardware by starting with the front, center bolt. Torque all fasteners to 8.4 -10.5 Nm (74.3 - 92.9 in.lbs.). If the center bolt is too short to reach appropriate torque, replace this bolt with part # 3621408C2. Using two operators simultaneously, start tightening each of the side bolts, from front to back, tightening completely while pushing in to smooth out bulges. After all bolts are tightened, visually inspect and determine if any bulges are unacceptable or excessive. If excessive, remove the bolt on each side of the bulge and adjacent bolts as well. Smooth out the bulge and re-tighten. NOTE: on occasion, you can simply push on a bulging area and re-bolt to correct the condition.

OTHER RESOURCES

- McMaster-Carr website: www.mcmaster.com

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