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Section 4: Vehicle Sealing and Vehicle Decommissioning

Section 4: Vehicle Sealing and Vehicle Decommissioning

Upfitter Sealing Pass-Through Points/Openings

Aftermarket upfit modification of hybrid interceptor utility vehicles can result in openings that allow external air and its contents to enter the vehicle that have not been sealed to original design intent.

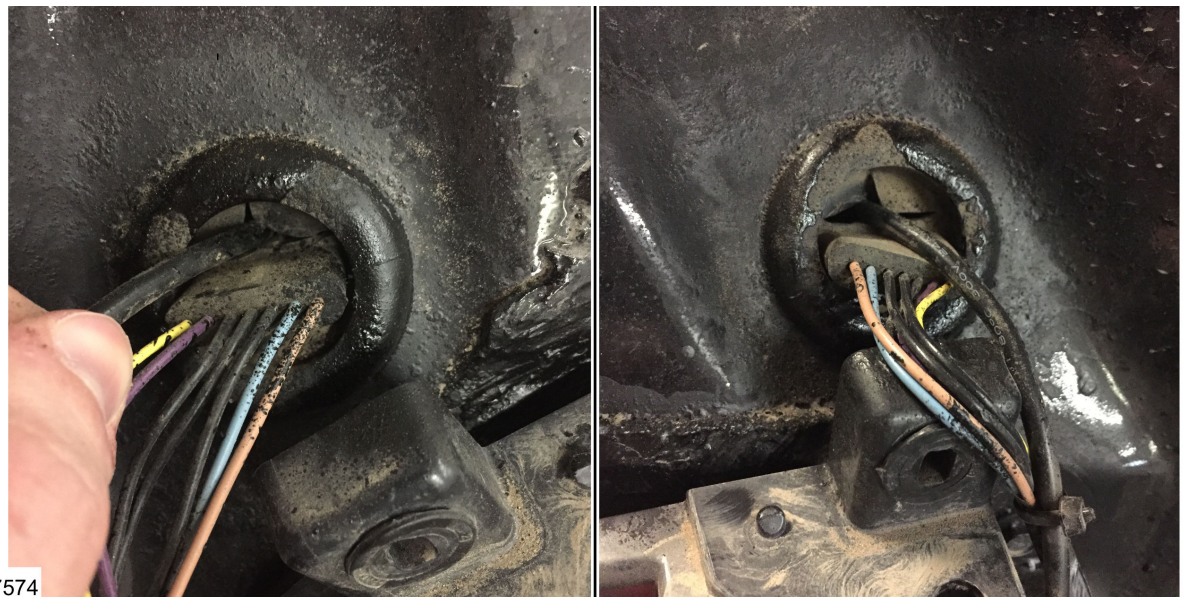
Examples of openings in some areas that were not properly sealed and allowed external air and its contents to enter the cargo area. Proper care and due to diligence must be used on all openings at any location on the vehicle from the dash panel to the rear of the vehicle.

Any and all holes created or existing grommets affected during upfit which are exposed directly or indirectly to outside air MUST be completely sealed using Motorcraft® Seam Sealer (TA-2-B).

Sealing Pass-Through Points/Openings

Some examples from a utility police interceptor that are not properly sealed are shown in the following:

- Any holes in the rear of the vehicle must be sealed.
- Wiring passing through sheet metal and/or existing grommets behind the passenger and driver side tail lamps must be fully sealed using Motorcraft® Seam Sealer (TA-2-B).



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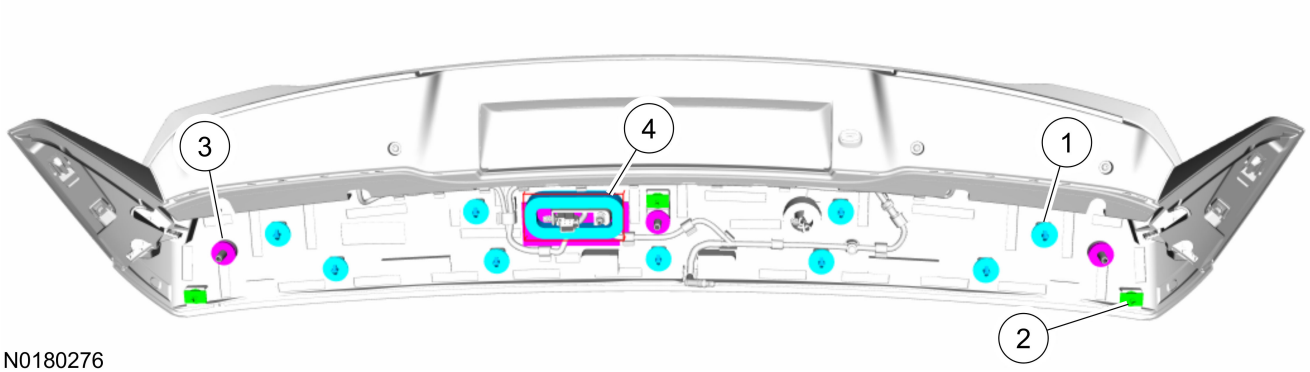
Rear Spoiler Removal and Installation

NOTE:
Any time the rear spoiler is removed you MUST replace all retainers and gaskets.

1. Removal of the rear spoiler requires all the gaskets and retainers to be replaced to ensure a proper seal. Kit number LB5B–78442A86–AA will include the following.

   Item 1 — Nine w-clips with foam gaskets installed.
   Item 2 — Three studs with foam gaskets installed.
   Item 3 — Three indicator tab foam gaskets.
   Item 4 — Two piece foam tower gaskets.

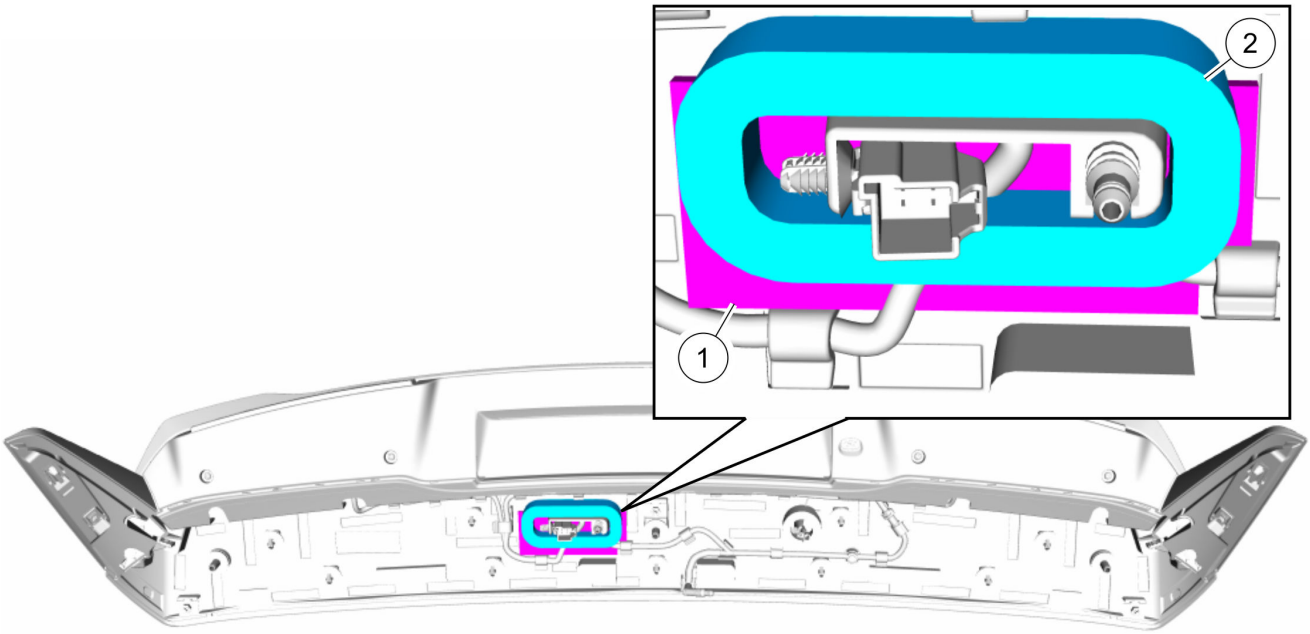
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2. Foam tower seal is made of two foam seals located near the center of the spoiler.

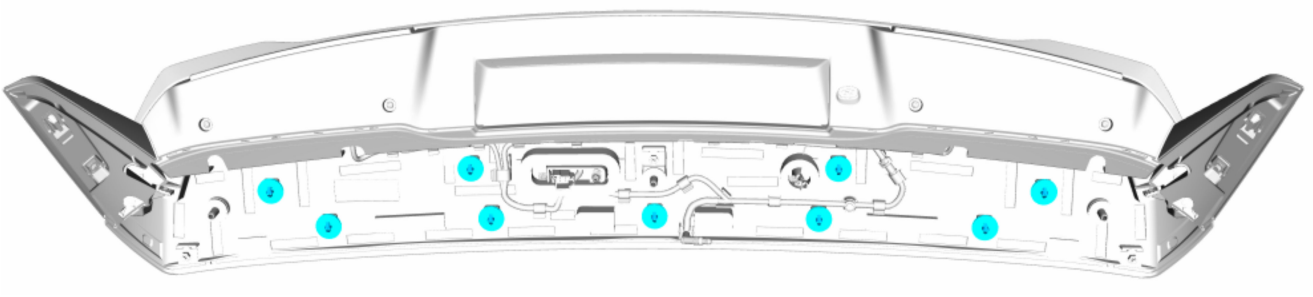
   Item 1 — Flat gasket that is square in shape and is positioned under the washer lines.
   Item 2 — Oval gasket that is positioned on top of the washer lines to complete the seal.



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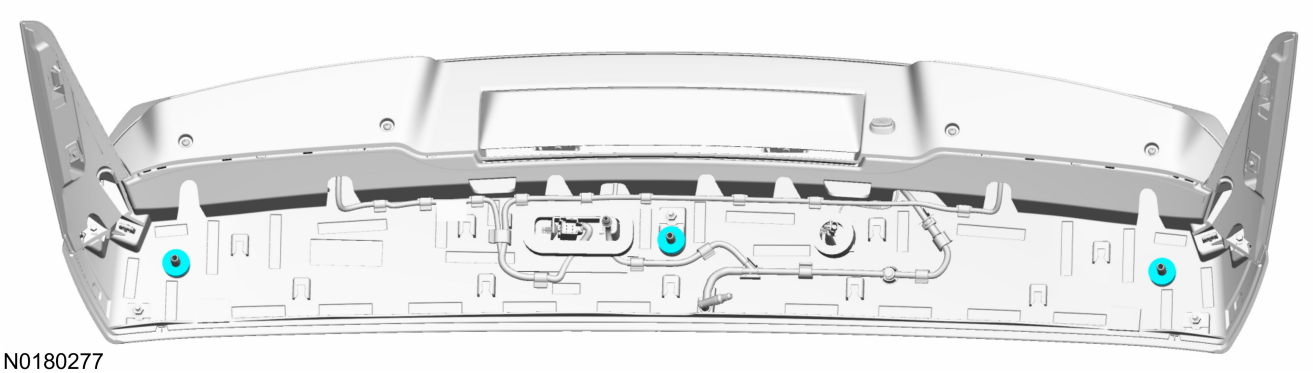
3. W-clip retainer locations.

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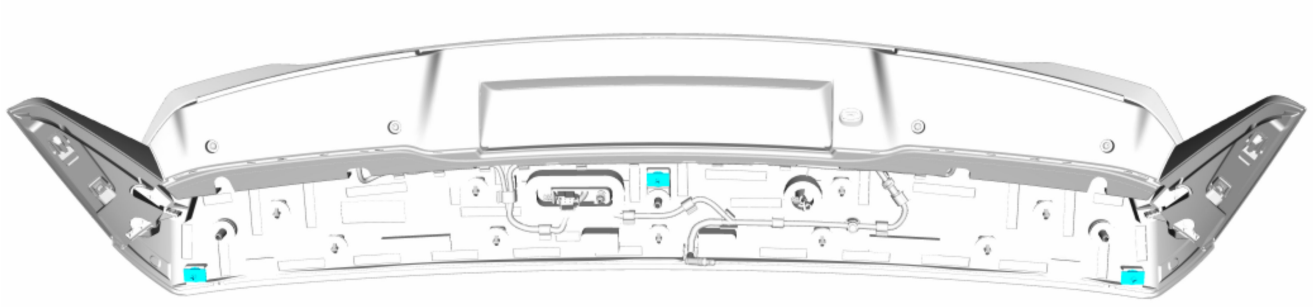
N0180117

4. Indicator tab foam gasket locations.



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5. Retainer stud with foam gasket locations.



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Liftgate

Seal any holes in the cargo area of the hybrid interceptor utility with Motorcraft® Seam Sealer (TA-2-B).

If the decklid seal is damaged it should be replaced.

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Sealing Pass-Through Points/Openings

Liftgate Bulb Seal

- If the light bulb seal is damaged, or removed for any reason, it should be replaced and properly seated and sealed.
- If the liftgate is damaged, or removed for any reason, it should be replaced and properly seated and sealed.

Underbody

- Seal any holes found in the body with Motorcraft® Seam Sealer (TA-2-B).
- Replace any damaged parts. The following are some examples:
- — Spare tire tub.
- — Auxiliary A/C pass-through.
- — Air extractors (replace if damaged).
- — Wiring grommets.
- — Body plugs.
- — Floor pan.

Dash Panel

Any seals and/or holes in the dash panel must be replaced and/or properly sealed using Motorcraft® Seam Sealer (TA-2-b).

Sealing Option For Body Openings/Pass-Through Points

- Pass-through or other openings of similar size should be sealed using the recommended foil-backed mastic patch.
- Foil-backed mastic patch should be used to cover and seal body openings.
- Part number for foil-backed mastic patch:
- Following are service part numbers for two different size foil-backed mastic patches: 4L3Z18203A16AA; size of patch - 1.5 x 147 x 330 mm / DA5Z65203A16A; size of patch - 1.5 x 100 x 300 mm

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Decommissioning

Vehicle Sealing of Aftermarket Equipment

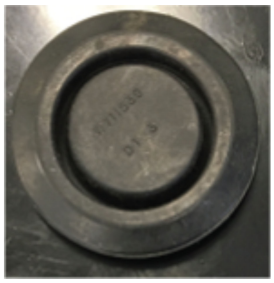
At the end of its useful life as a police vehicle, many vehicles are decommissioned by having the lights, wiring and other equipment removed. The vehicles are sold for other uses such as retail applications. The openings remaining in the body/components are potential leak paths for exhaust gas into the cabin under certain conditions. These openings must be sealed prior to the vehicle going to auction or any other application.

When customized equipment has been removed from the vehicle, body panels and seals may be compromised. Thoroughly inspect the vehicle for any signs where the equipment has been removed, such as holes and damage to body seals.

Any openings should be sealed with a plug and a sealant. The opening can be modified to enable a plug to seat properly promoting a better sealing surface. The sheet metal surface with the opening should be treated to prevent corrosion prior to inserting the plug and sealant.

Any items that remain on the vehicle must be inspected and any sign of damage repaired immediately. Failure to follow this instruction may result in water and exhaust fumes entering the passenger compartment.

See your authorized Ford dealer for more information and direction regarding proper sealing procedures.



N0178256

Common Ford Plug Part Number	Hole Diameter
W716284–S	0.859 inches / 21.83 mm
W714104–S	1.07 inches / 27.25 mm
W711539–S	1.378 / 35.0 mm
W651021–S	1.683 inches / 42.75 mm

Tools For Creating A Circular Opening

Tools that can be used for creating and/or modifying an existing opening for a plug are a Knockout Punch or Step Bit.

Section 4: Vehicle Sealing and Vehicle Decommissioning





N0178257

Disable Police Functions

- Procedures are under way to decommission the following Police Features:
- Police Idle
- Rear View Camera on Demand
- Perimeter Alert/Boundry Alert
- Procedures will be published in Police Bulletin P-030 when complete

Dark Car

Authorized personnel must use a diagnostic scan tool to decommission the Dark Car feature.

OBD-II Split Connector

Remove the OBD-II split connector cable prior to initial sale to the public sector.

Police Engine Idle

Authorized personnel must use a diagnostic scan tool to decommission the Police Engine Idle feature.

Police Perimeter Alert

Authorized personnel must use a diagnostic scan tool to decommission the Police Perimeter Alert feature.

Pre-Collision Assist Disable

Authorized personnel must use a diagnostic scan tool to decommission the Pre-Collision Assist Disable feature.

Rear Camera on Demand

Authorized personnel must use a diagnostic scan tool to decommission the Rear Camera on Demand feature.

Autonomous Emergency Brake (AEB)

Authorized personnel must use a diagnostic scan tool to decommission the Autonomous Emergency Brake feature.