

**HYUNDAI**NEW THINKING.
NEW POSSIBILITIES.**Technical Service Bulletin**

GROUP

CAMPAIGN

NUMBER

17-01-053

DATE

JULY, 2017

MODEL(S)

SANTA FE (NC)**SUBJECT:**SANTA FE (NC) FRONT CABIN WATER INTRUSION
(SERVICE CAMPAIGN T2G)*** IMPORTANT******* Dealer Stock and Retail Vehicles *****

Dealers must perform this Service Campaign on all affected vehicles prior to customer retail delivery and whenever an affected vehicle is in the shop for any maintenance or repair.

When a vehicle arrives at the Service Department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: On certain 2017 Santa Fe (NC) vehicles, the body seam sealant on the front side members may not have been correctly applied during vehicle assembly resulting in potential water intrusion into the floorboard of the vehicle.

This bulletin describes the procedure to repair the seam on the front side members and add sealant in the appropriate locations.

**Applicable Vehicles: Certain 2017MY Santa Fe (NC)****Parts Information:**

| Part Name | Image / Part Number | Remark |
|----------------------------------|---|---|
| Urethane Seam Sealant (08367) |  | Use as necessary to seal the panel openings. (1 sealant cartridge may cover up to 10 vehicles) |
| | 00232-19074 | |

Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Tools & Equipment Required:

| Tool Name | Image | Remark |
|-----------|--|---|
| Caulk Gun |  | |
| Goggles |  | <div style="border: 1px solid black; padding: 5px;"> <p style="background-color: blue; color: white; display: inline-block; padding: 2px 5px;">NOTICE</p> <p>Wear protective goggles and respiratory protection when performing the procedures in this bulletin.</p> <p>This procedure should be performed in a well-ventilated area.</p> </div> |
| Mask |  | |

Warranty Information:

| Model | Op. Code | Operation | Op. Time | Causal Part | Nature Code | Cause Code |
|---------------|----------|--|----------|-------------|-------------|------------|
| SANTA FE (NC) | 70C044R3 | FRONT SIDE MEMBER WATER LEAKAGE INSPECTION (BOTH SIDES) | 0.4 M/H | 64300-2W540 | B22 | ZZ7 |
| SANTA FE (NC) | 70C044R4 | FRONT SIDE MEMBER WATER LEAKAGE INSPECTION AND SEALANT REWORK (ONE SIDE) | 1.0 M/H | 64601-B8700 | B22 | ZZ7 |
| SANTA FE (NC) | 70C044R5 | FRONT SIDE MEMBER WATER LEAKAGE INSPECTION AND SEALANT REWORK (BOTH SIDES) | 1.5 M/H | 64601-B8700 | B22 | ZZ7 |

NOTE 1: Submit Claim on Campaign Claim Entry Screen.

NOTE 2: Each applicable labor operation will reimburse urethane seam sealant in sublet.

NOTE 3: If a part is found in need of replacement while performing this TSB and the affected part is still under warranty, please submit a separate claim using the same Repair Order.

If the affected part is out of warranty, submit a Prior Approval Request for goodwill consideration prior to performing the work.

Service Procedure:

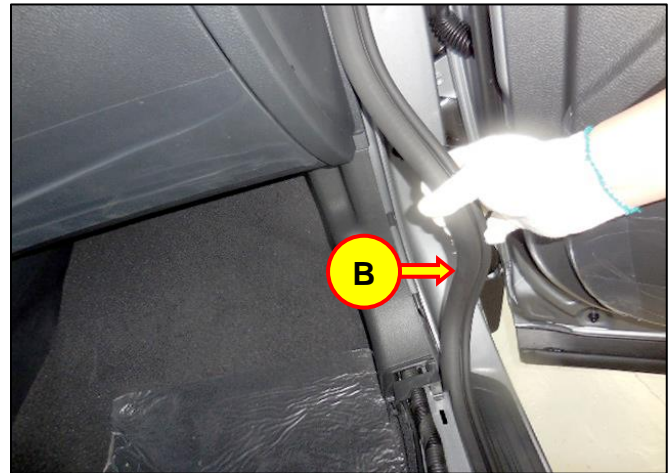
Water Intrusion Inspection:

1. The service procedure is based on the passenger side. Driver side procedure is similar to the passenger side.

Using a trim tool, open the front door and remove the door scuff trim (A) .



2. Remove the front weather strip by gently pulling it (B).



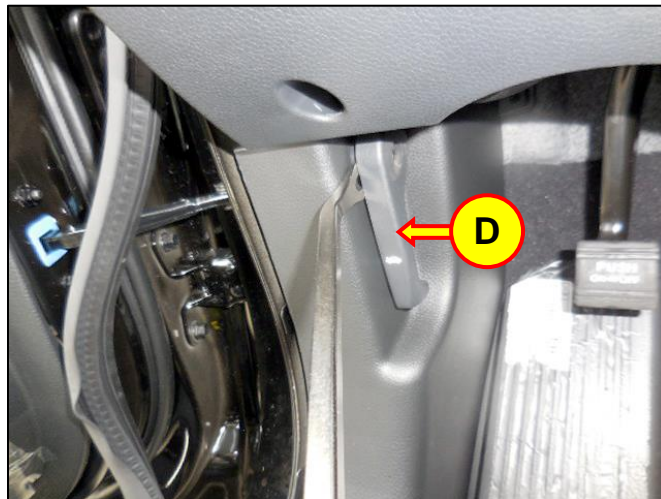
3. Remove the cowl side trim (C) using a plastic trim tool.



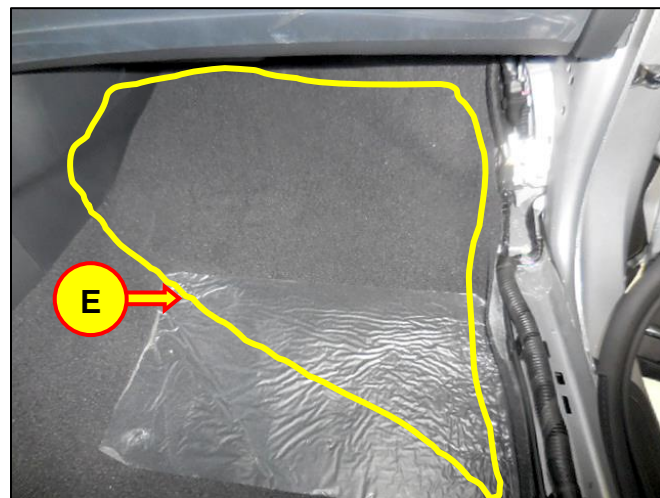
- 3a. To inspect the driver side floorboard, remove the hood latch release handle (D).

NOTICE

Hood latch release handle removal is applicable to driver side repair only.



4. Set aside the floor carpet (E) as shown to secure the work space.



5. Partially raise the isolation pad (F) and set aside carefully.



6. Using a hose, spray water directly on the panel opening between the hood, lower pillar and fender for approximately 30 seconds.

NOTICE

Service procedure shown is on the driver side of the vehicle. Service procedure for the passenger is the same as the driver side.



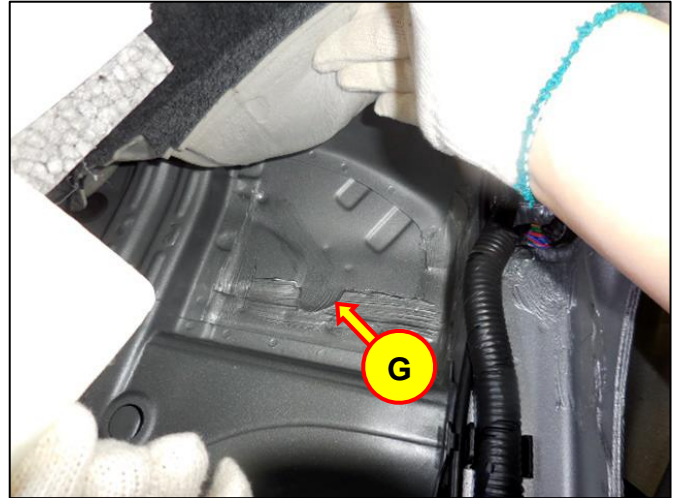
7. Check for water intrusion onto the front floor groove (G). Wait for 2~3 minutes after spraying the water.

If no water is detected in the floorboard or the isolation pad, service procedure is complete.

Assemble the parts in reverse order of removal.

Use Op Code 70C044R3 for inspection only.

If water is detected on the floorboard or the isolation pad, follow the seam sealant rework procedure as described below.



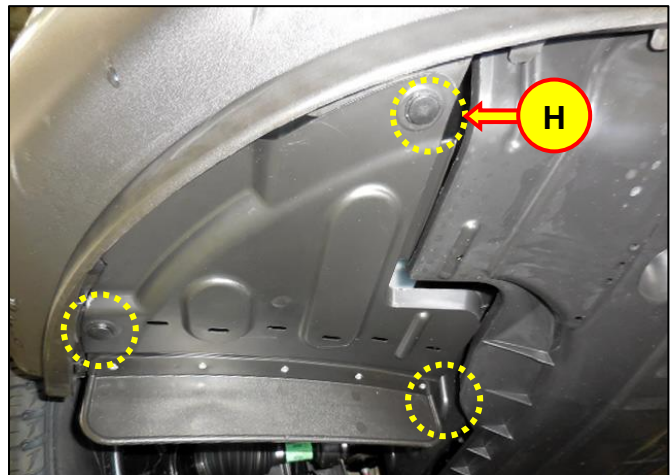
Seam Sealer Rework:

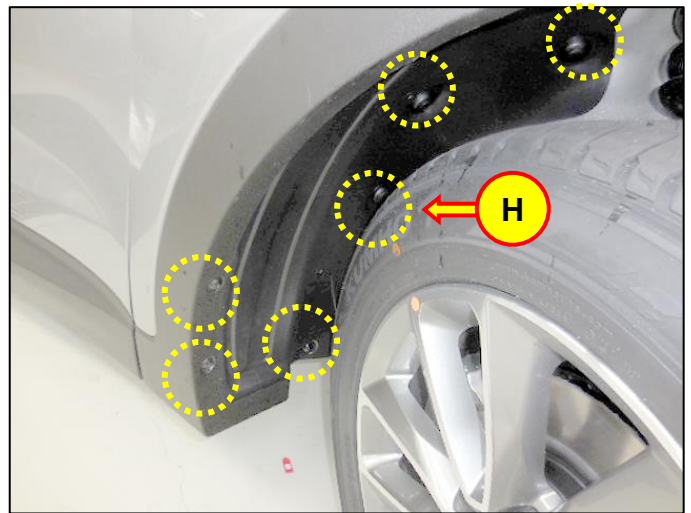
1. Rotate the front wheel/tire in inboard and outboard directions to gain accessibility to the wheel guard fasteners.

Note: Removal of front wheel(s) can be considered to gain better accessibility to the wheel guard clips.



2. Loosen the driver/passenger side front wheel guard mounting clips and screws (H).



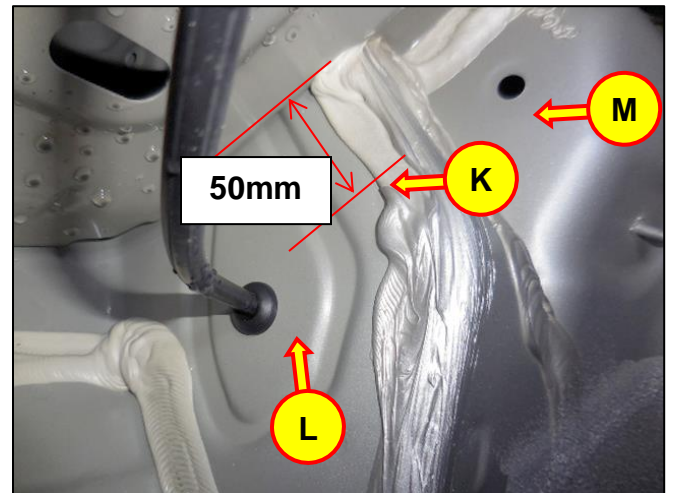


3. Remove the front wheel guard and set aside in a safe place.

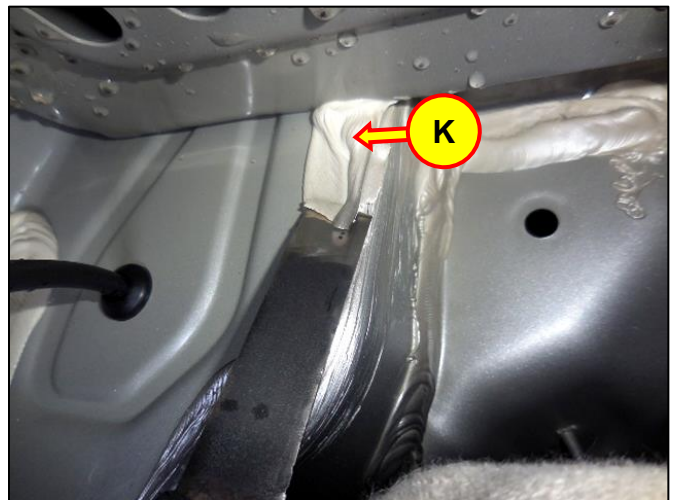
4. Locate the seam sealer on the fender apron upper (J) as shown.

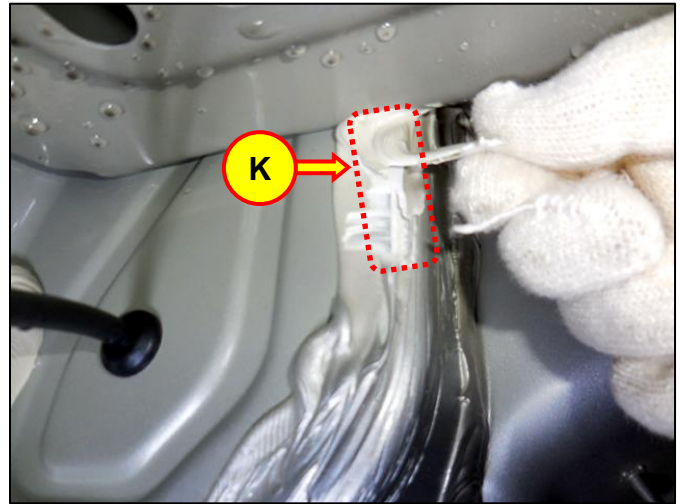


5. Check the sealant (K) on the weld seam on the fender apron upper (L) and front member side (M).

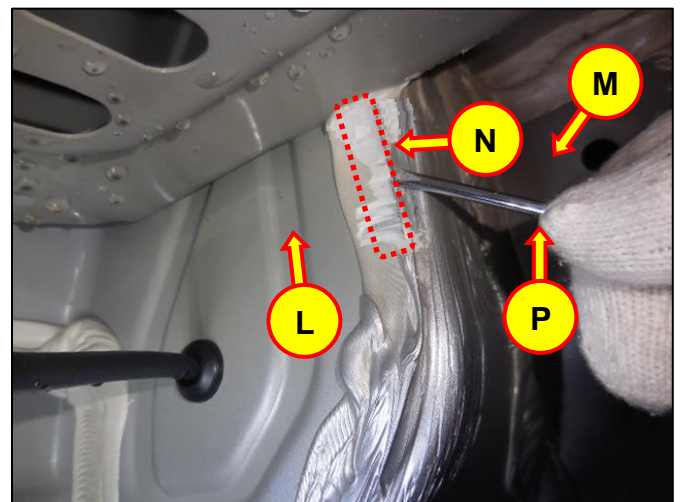


6. Using a flathead screwdriver, remove the sealant (K) about 50mm from fender apron upper side to lower side.





7. Remove 10mm of sealant (N) between the fender apron upper side (L) and front member side (M) using a thin flathead screwdriver (P).



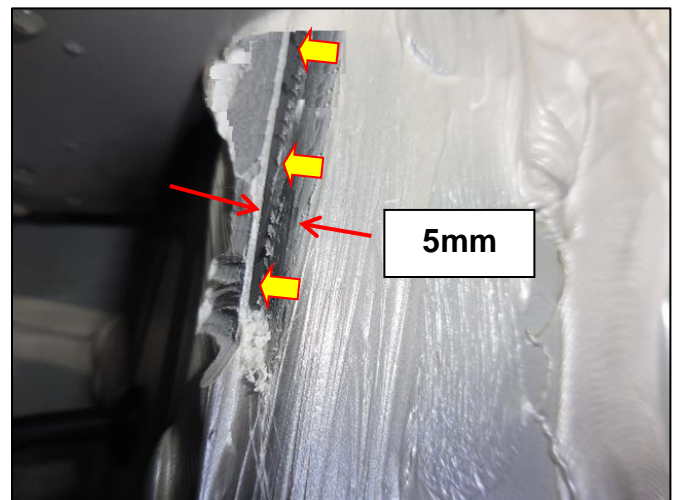
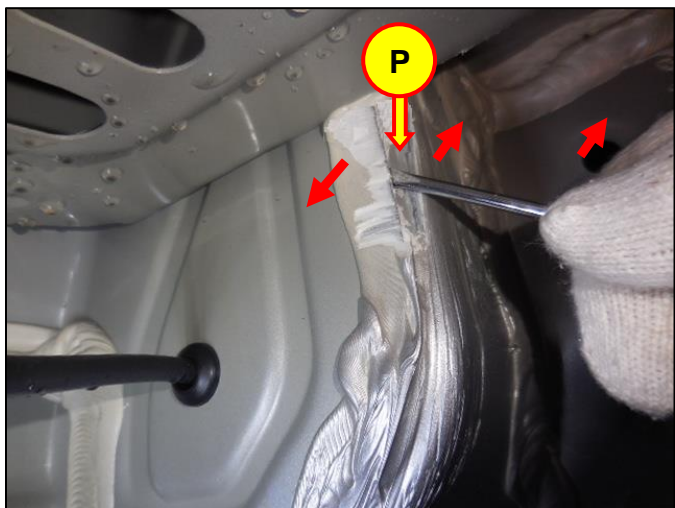


8. Insert the flat screwdriver (P) to pry open about 5mm of the panel opening for seam sealer application.

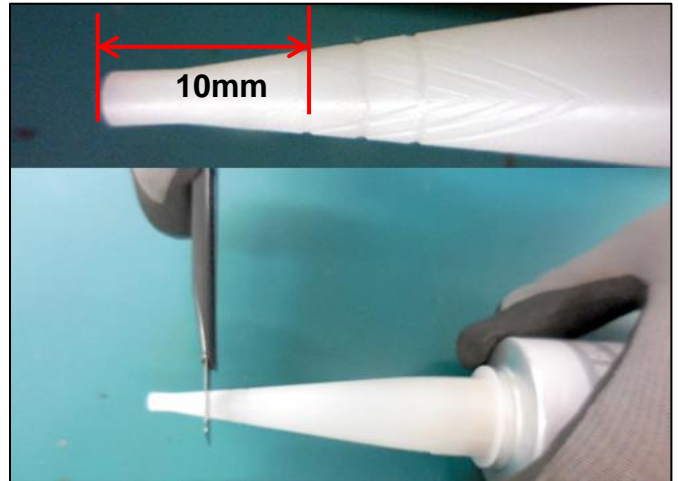
NOTICE

Do not pry open the panels more than 5mm.

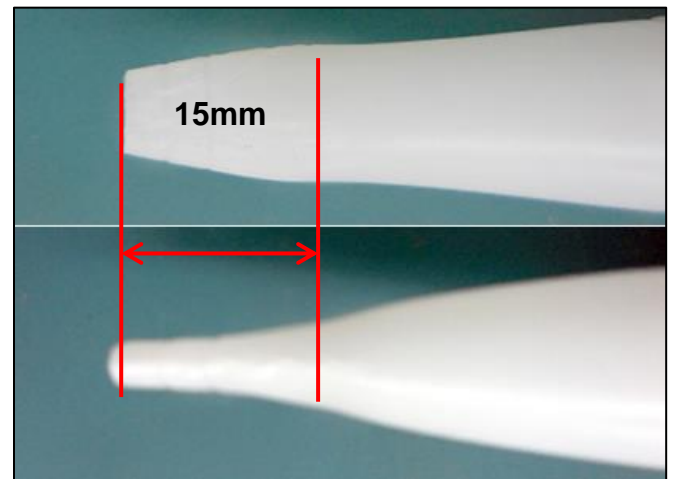
Excessive gaps may become harder to seal and may result in water intrusion into the cabin.



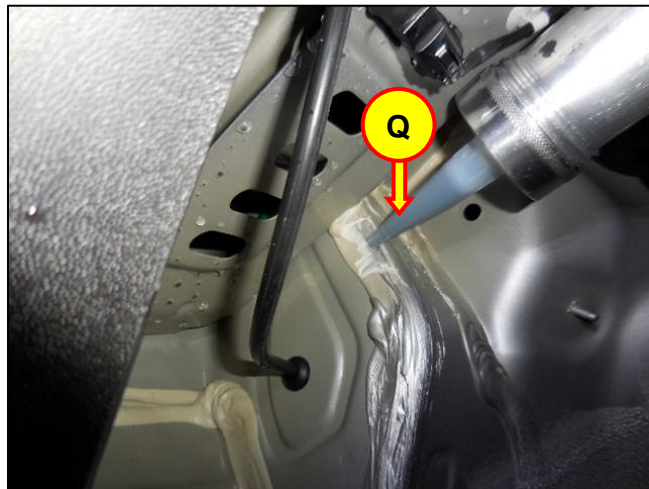
9. Cut 10mm from the top of the sealant nozzle.



10. Flatten 15mm of the nozzle end using pliers as shown.



11. Insert the sealant nozzle (Q) between the fender apron upper side and front member side. Apply the sealant to fully seam the panel opening.



NOTICE

Apply the sealant thoroughly inside the panel gap until the sealant can fill the outside surface of the panel.

Gaps and voids in the sealer path will result in water leaks and if the condition exists, sealant application procedure must be performed again.



12. Apply the sealant to outside of the seam as shown.

Sealant Curing Time: 20 minutes





13. After 20 minutes, perform the water spray test noted on page 6 (step 6) to ensure sealant coverage rework is successful.

14. Assemble all parts in reverse order of removal.

Perform service procedure on the other side if applicable.

Once both driver and passenger sides are inspected and sealant reworked (if applicable), service procedure is now complete.