



HYUNDAI

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NEW POSSIBILITIES.

Technical Service Bulletin

GROUP CAMPAIGN	NUMBER 16-01-013
DATE MARCH 2016	MODEL(S) SANTA FE SPORT (AN)

SUBJECT: SANTA FE SPORT DRIVER SEAT BELT BUCKLE HARNESS
(RECALL CAMPAIGN 141)

★ IMPORTANT

*** Dealer Stock and Retail Vehicles ***

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

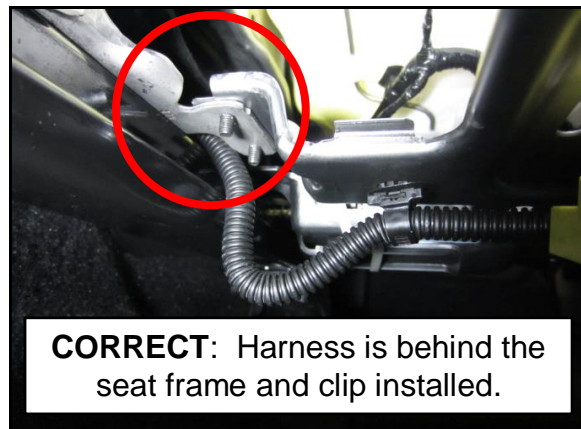
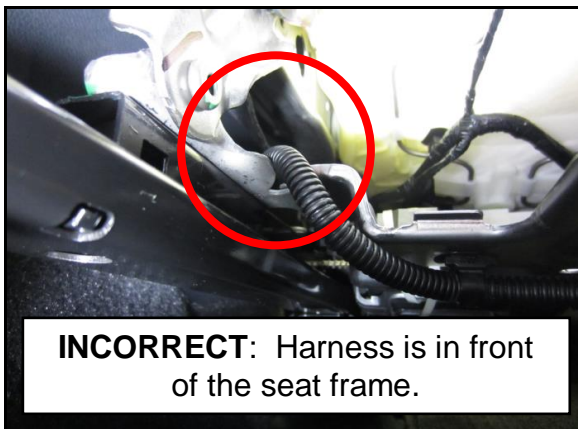
When a vehicle arrives at the service department, access Hyundai Motor America's "Warranty Vehicle Information" screen via WEBDCS to identify open Campaigns.

Description: Some 2016-2017 AN Santa Fe Sport vehicles may have the driver's side seat belt buckle harness improperly routed. In the affected vehicles, the wires in the driver's seat belt buckle harness may be damaged by the seat's height adjuster mechanism resulting in either:

1. No audible signal (chime) or indicator light if buckle is not fastened, or
2. The chime and indicator light stay on even when the seat belt is buckled.


Neither of these conditions complies with Federal Motor Vehicle Safety Standards.

This bulletin describes the procedure to inspect, and if necessary, reroute the harness. For vehicles exhibiting harness damage, the procedure to replace the driver seat belt buckle is provided.



Applicable Vehicles: Certain 2016-2017 Santa Fe Sport (AN) with driver's manual and power seats produced from 09/01/2015 - 02/12/2016.

Parts Information:

PART NAME	PART NUMBER	REMARKS
Driver seat belt buckle	88830-4Z500-RYNQH 88830-4Z500-NBCQH	

Warranty Information:

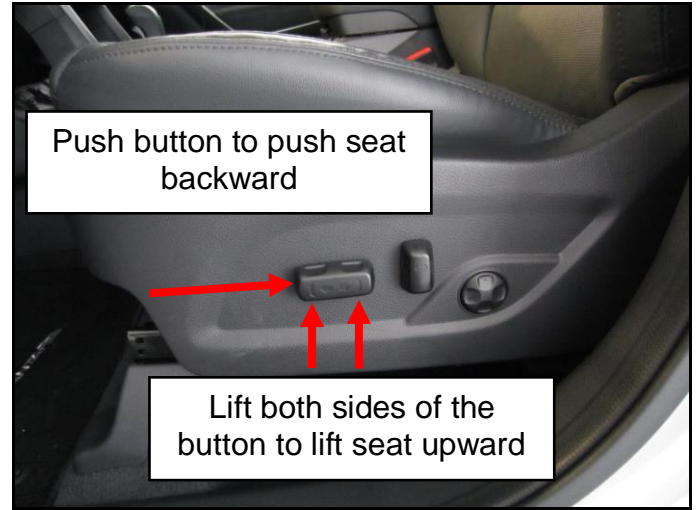
OP CODE	OPERATION	OP TIME
60C602R0	Inspection	0.2 M/H
60C602R1	Rerouting	0.3 M/H
60C602R2	Replacement	0.4 M/H

NOTE: Submit Claim on Campaign Claim Entry Screen

Service Procedure:

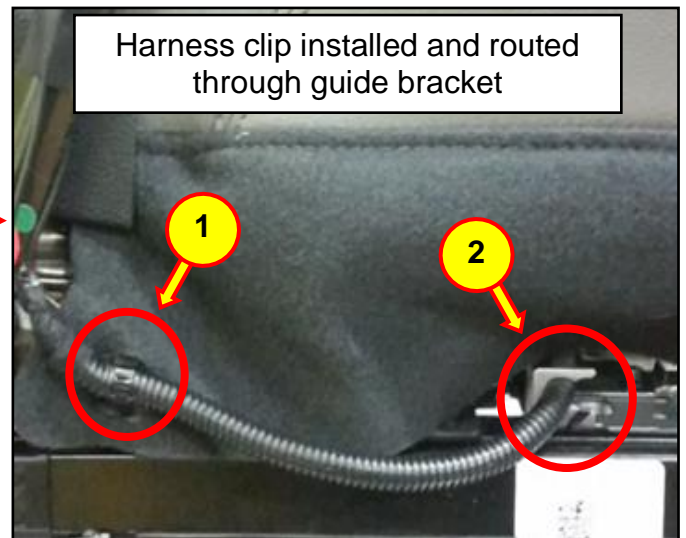
INSPECTION PROCEDURE

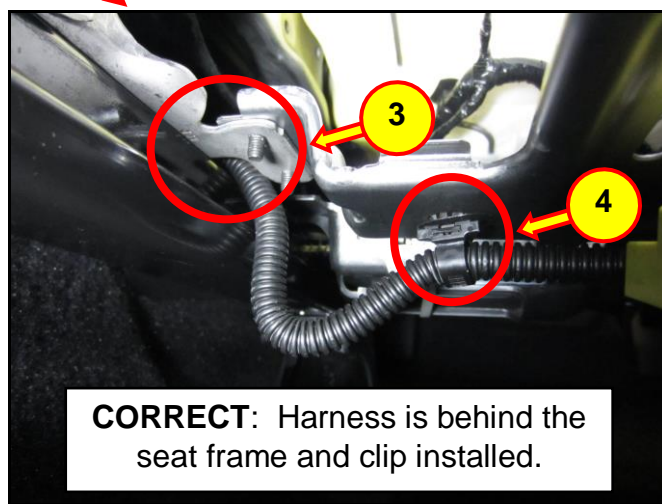
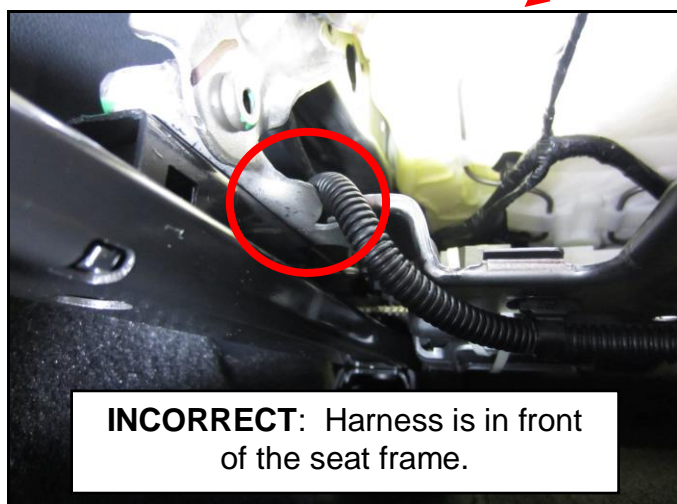
1. Slide the seat fully to the back and lift seat all the way up.



2. Check if the buckle wiring harness is correctly routed and clips are securely attached by inspecting the below positions. If the buckle harness routing is correctly routed, no further action is needed.

- 1 Harness clip installed to seat (inboard side of seat).
- 2 Harness routed through guide bracket (inboard side of seat).
- 3 Harness routed behind seat frame (under seat).
- 4 Harness clip installed (under seat).





- 3. If the buckle harness is not installed correctly, inspect for wire damage.

Confirm the buckle harness is not damaged/cut.

- 4. If harness is only misrouted and not damaged, follow the Rerouting Procedure on page 5 of this TSB.
- 5. If the harness wire is damaged, replace the buckle by following the Replacement Procedure on page 8 of this TSB.

REROUTING PROCEDURE

1. If applicable, record the customer's radio preset stations for AM/FM/XM.
2. Open the hood by pulling on the hood release to access the negative battery terminal.



3. Disconnect the negative battery terminal.

***Negative battery terminal tightening torque:
4.0 ~ 6.0 N.m (0.4 ~ 0.6 kgf.m, 3.0 ~ 4.4 lb-ft)***



4. Use a needle nose plier to unlock the clip from the seat frame, by pinching the two locking tabs.

Remove the buckle harness clip from the seat frame.



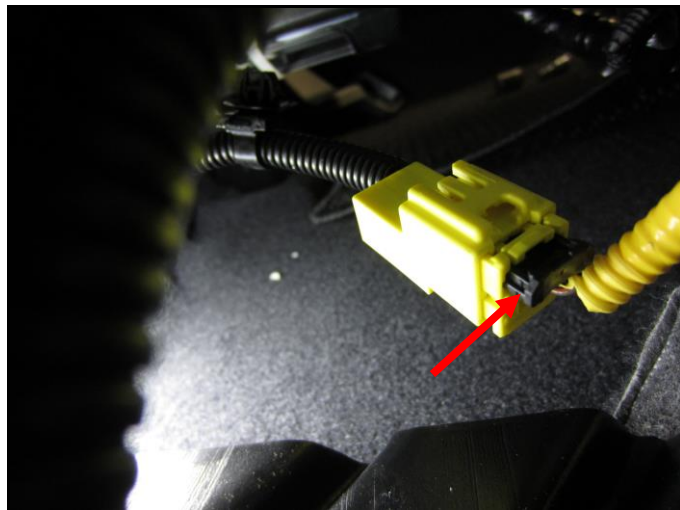
5. Use a small flathead screwdriver to gently lift the yellow locking tab, and pull it forward to remove the yellow buckle connector from the seat frame.



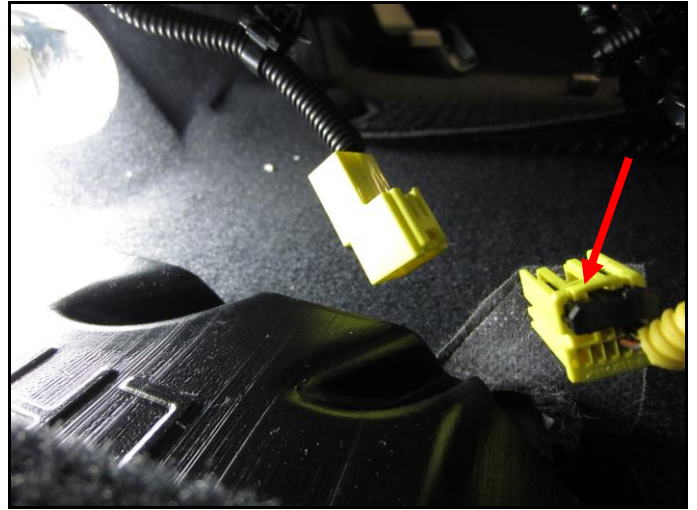
6. Use a flathead screwdriver and gently push the black secondary lock tab outward.



Image to the right shows the black secondary locking tab disengaged.



7. Press on the yellow primary locking tab to disconnect the yellow seat belt buckle connector.



8. With the buckle wire harness free from the seat frame, examine the wire for any damage, especially in the potential pinch area. If no damage is found, confirm the harness is routed correctly as shown in the Inspection Procedure (Page 3 and Page 4).
9. Install the yellow floor harness connector to the seat belt buckle connector. Be sure to engage the black secondary lock.

Reattach the buckle harness clip to the seat frame.



10. Reconnect the negative battery cable.
11. Turn the ignition ON and confirm no codes have been activated during the repair.

If a DTC(s) is present, use the GDS to clear the code.

If applicable, clear any DTCs in the Blue Link system per instructions of TSB 12-BE-005-2.

12. If applicable, reprogram the customer's radio presets for AM/FM/XM.

REPLACEMENT PROCEDURE

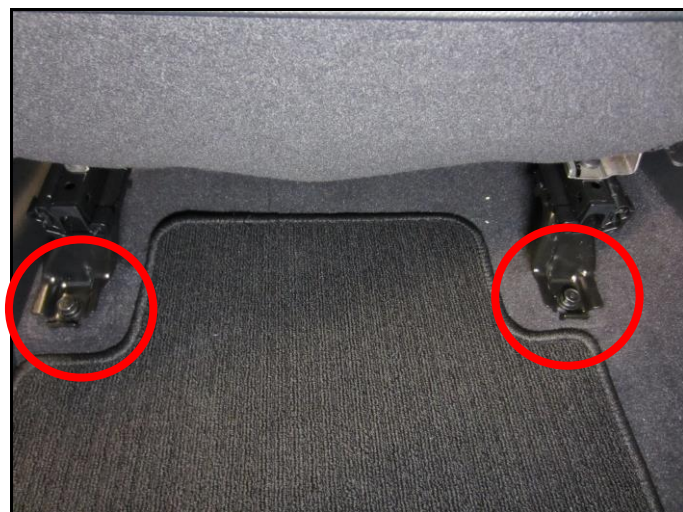
1. Repeat Reroute Procedure steps 1-7 on pages 5-7 of this TSB.
2. Remove the four driver seat bolt covers by gently pulling the cover outward away from the seat rail.



3. Remove the four driver seat bolts using a 14mm socket and ratchet.

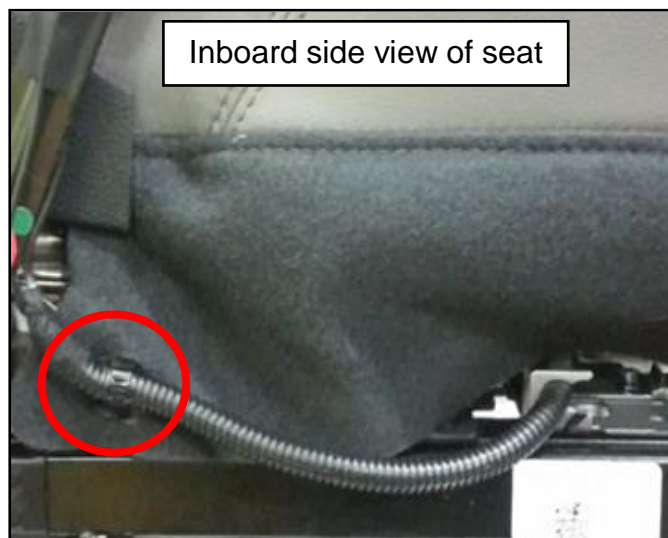
Seat bolt tightening torque:

34.3 ~ 53.9 N.m (3.5 ~ 5.5 kgf.m, 25.3 ~ 39.8 lb-ft)



4. Use a needle nose plier to unlock the clip from the inboard side seat frame, by pinching the two locking tabs.

Remove the inboard side harness clip.



5. Remove the seat belt buckle nut using a 17mm socket and ratchet or crescent wrench.

Seat belt nut tightening torque:

39.2 ~ 53.9 N.m (4.0 ~ 5.5 kgf.m, 28.9 ~ 39.8 lb-ft)



6. Remove the seat belt buckle and harness and replace with a new part.

Ensure the seat belt buckle harness is routed properly as shown in the Inspection Procedure on Page 3 and Page 4 of this TSB.

7. Install all removed parts in reverse order of removal.
8. Reconnect the negative battery terminal.
9. Turn the ignition ON and confirm no DTC(s) are present.

If a DTC(s) is present, use the GDS to clear the code.

If applicable, clear any DTCs in the Blue Link system per instructions of TSB 12-BE-005-2.

10. Operate the buckle to verify function of the buckle and warning lamp.
11. If applicable, reprogram the customer's radio presets for AM/FM/XM.