 HYUNDAI NEW THINKING. NEW POSSIBILITIES. TECHNICAL SERVICE BULLETIN	GROUP CAMPAIGN	NUMBER 14-01-004-1
	DATE MARCH 2014	MODEL(S) Santa Fe Sport (AN) and Santa Fe (NC)
SUBJECT: FRONT AND REAR DOOR LATCH REPLACEMENT (SERVICE CAMPAIGN TS0)		

This TSB supersedes TSB# 14-01-004 to add door fastener replacement Op Code.

*** IMPORTANT**

***** Dealer Stock and Retail Vehicles *****

Dealers must perform this 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 2013 Santa Fe Sport (AN) and Santa Fe (NC) vehicles the power door lock actuator may not function. This bulletin provides the procedure to replace the front and rear door latch assembly.

Note: The door latch and manual lock features are not affected by this condition.



Applicable Vehicles	Applicable Production Date Range
Santa Fe (NC)	May 1,2013 – August 17,2013
Santa Fe Sport (AN)	July 8,2013 – September 14,2013

WARRANTY INFORMATION:




OP CODE	OPERATION	OP TIME
30C055R1	DOOR LATCH ASSEMBLY REPLACEMENT	2.9 M/H
30C055R2	DOOR LATCH ASSEMBLY REPLACEMENT (DOOR TRIM FASTENER)	

NOTE: Submit claim using the Campaign Claim Entry Screen.

NOTE: 30C055R2 includes reimbursement of one package containing 10 fasteners.

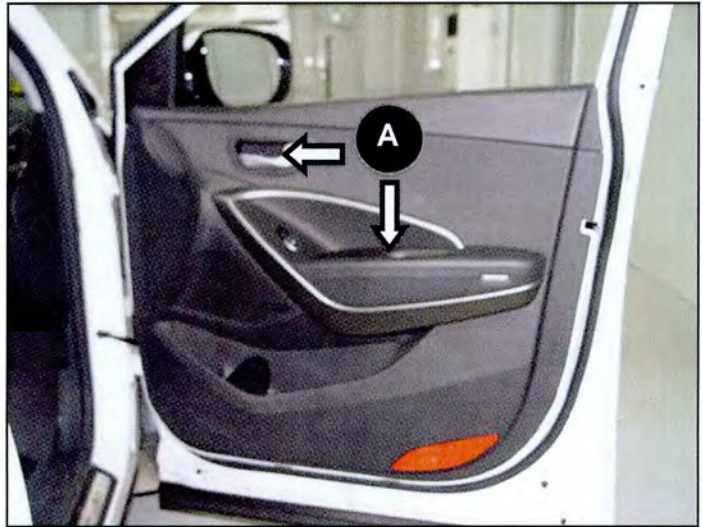
Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

PARTS INFORMATION

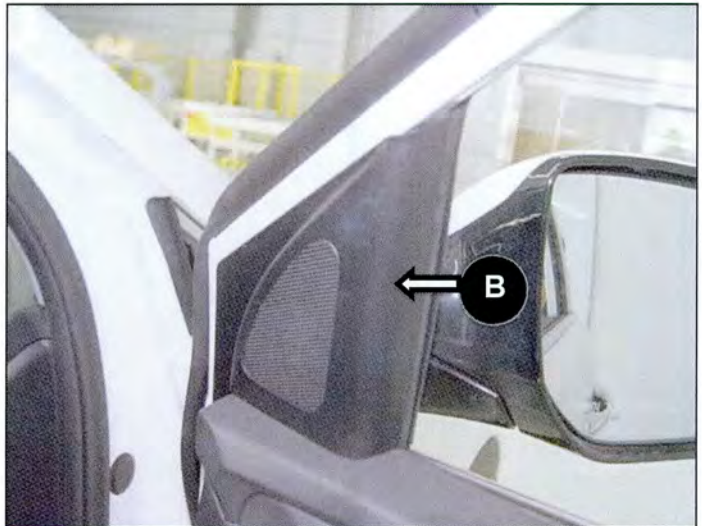
PART NAME	PART NUMBERS		REMARK
	PREVIOUS	NEW	
FRONT LATCH ASSEMBLY			<p>Santa Fe (NC) and Santa Fe Sport (AN) have the <u>same part number</u> for the front door lock assembly.</p>
	81310-2W010	81310-2W010-QQH	Front Left
	81320-2W010	81320-2W010-QQH	Front Right
REAR LATCH ASSEMBLY			<p>Santa Fe (NC)</p>
	81410-B8000	81410-B8000-QQH	Rear Left
	81420-B8000	81420-B8000-QQH	Rear Right
			<p>Santa Fe Sport (AN)</p>
	81410-B8000	81410-2W000-QQH	Rear Left
	81420-2W000-QQH	Rear Right	
DOOR FASTENER	82315-33020		Each pack contains 10 fasteners.

DOOR TRIM AND PANEL REMOVAL

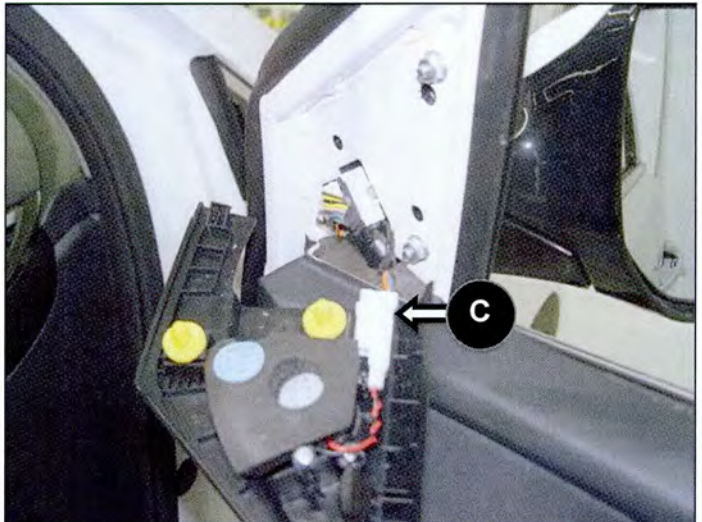
1. Remove the door trim mounting screws using a Phillips head tool (A).



2. Separate the inner cover (B) from the front door by pulling it away from the door frame.



3. Disconnect the connector (C) and then remove the quadrant inner cover.



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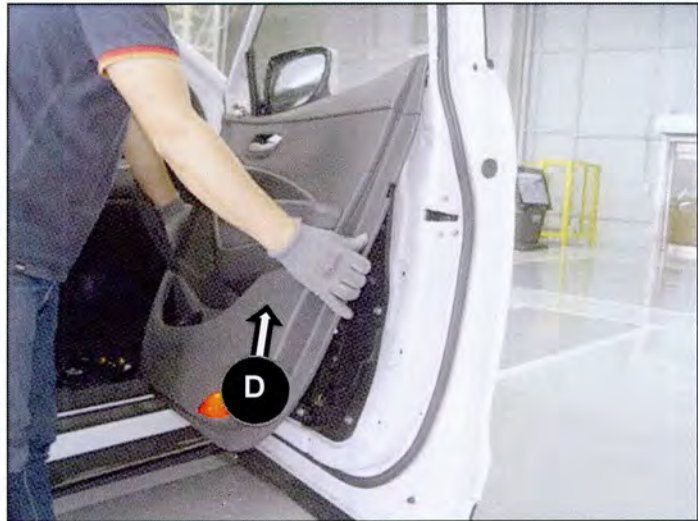
4. Use a trim tool to loosen fasteners behind the door trim and then pull the door trim towards you. Separate the door trim (D) from the front door as illustrated.

NOTICE

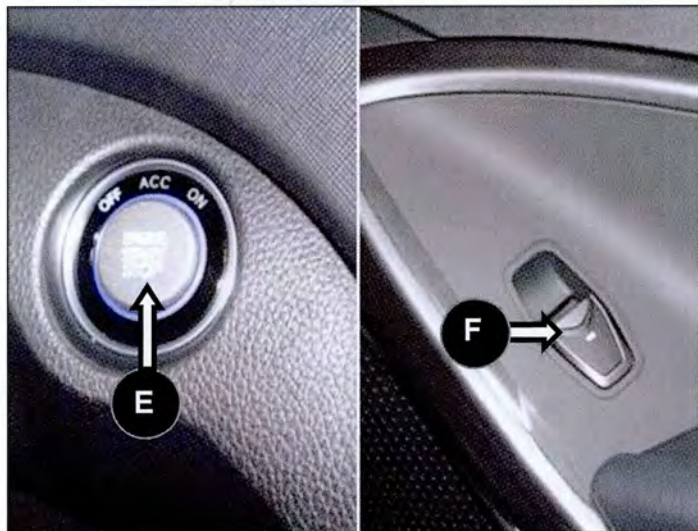
Adjust the window glass position before fully removing the door trim using the procedure below.

Replace any broken fastener(s) using the part number below.

82315-33020 (FASTENER-DR TRIM)



5. For mechanical key ignitions, turn the key to the ON position, and for push button ignitions (E) set ignition to the 'ON' position and then move the front glass down using the switch (F).

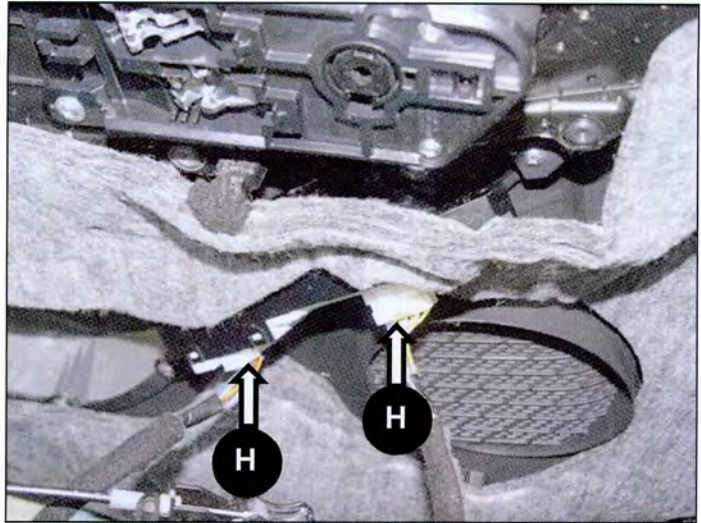


6. Adjust the window glass down using the window switch until the door glass mounting bolt (G) is visible.

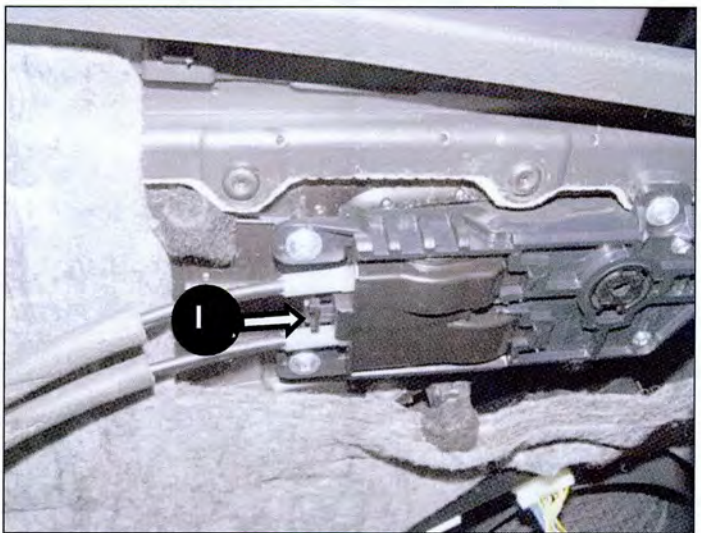


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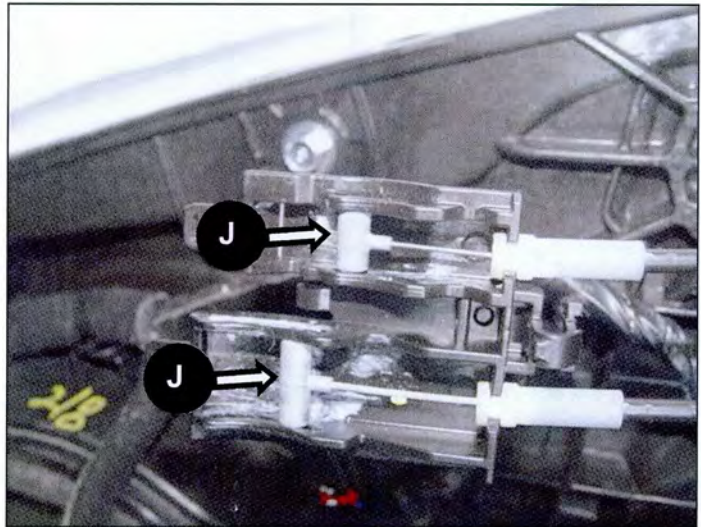
7. Disconnect the door trim connectors (H) and then remove the door trim completely.



8. Remove the door lever mechanism by pushing the release lock (I).



9. Separate the door latch cable (J) from the door lever mechanism.



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10. Remove the plug (K) and remove the bolt found under the plug using a socket tool.

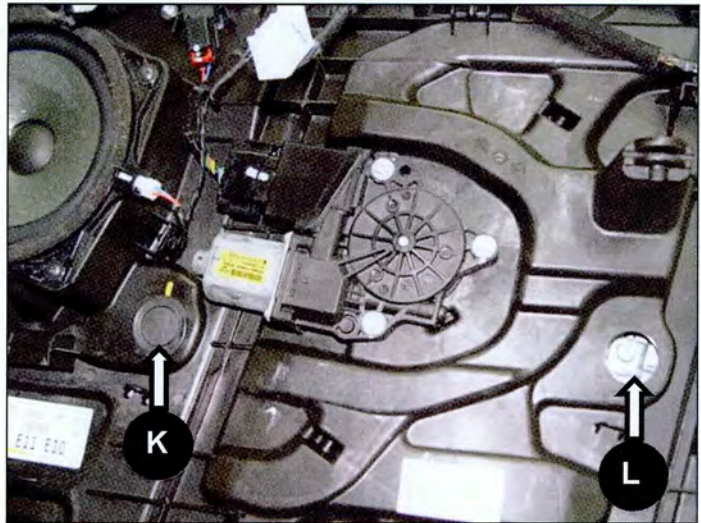
Loosen the bolt (L) using a socket tool.

NOTICE

Do not remove the bolt (L) completely, only loosen.

Tightening Torque

7.8 ~ 11.7 N.m (0.8 ~ 1.2 kgf.m / 5.8 ~ 8.7 lbf.ft)



11. Gently remove the door inside belt weather strip (M) using your fingers to pull upwards.

CAUTION

Extra caution should be taken to prevent damage to the weather strip.

(Damage or improper re-installation could create wind noise)



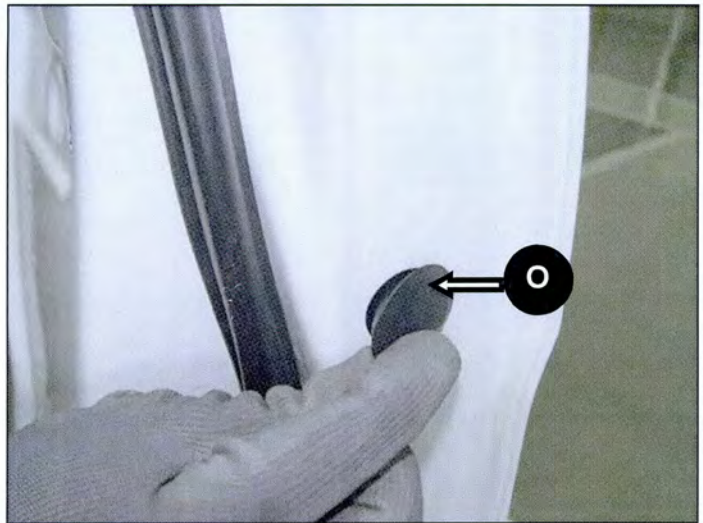
12. Carefully remove the door glass (N).

NOTICE

Safely store the door glass until the door latch replacement is complete and re-installation is needed.



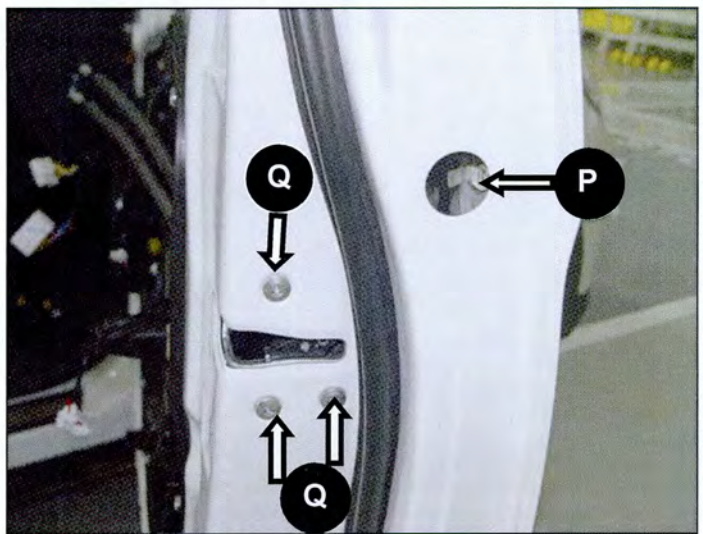
13. Remove the plug (O) from the side of the door frame.



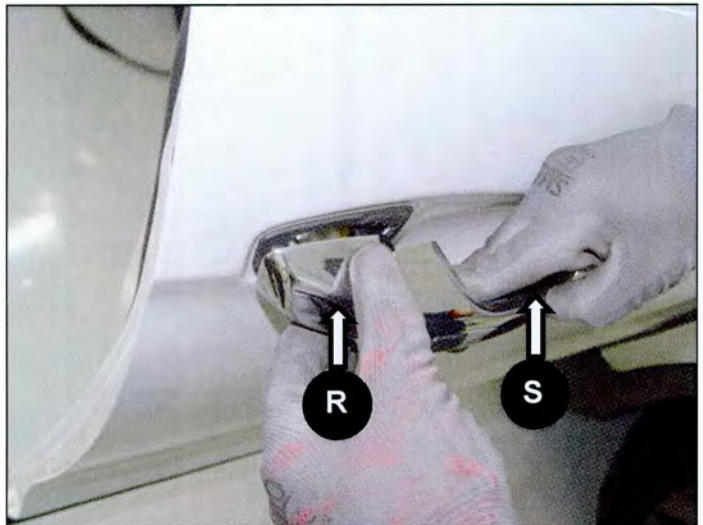
14. Remove the outside handle mounting bolt (P) and then remove the latch mounting screws (Q) using a Phillips head or socket tool.

Tightening Torque

7.8 ~ 11.7 N.m (0.8 ~ 1.2 kgf.m / 5.8 ~ 8.7 lbf.ft)

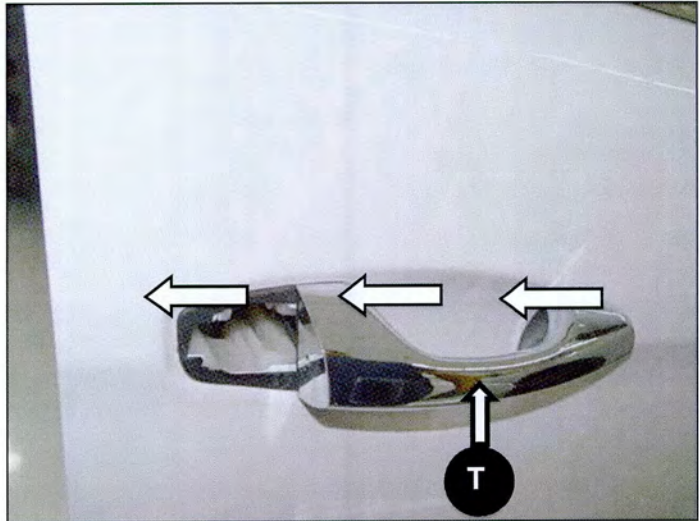


15. Remove the door outside handle cover (R) while pulling the handle (S).

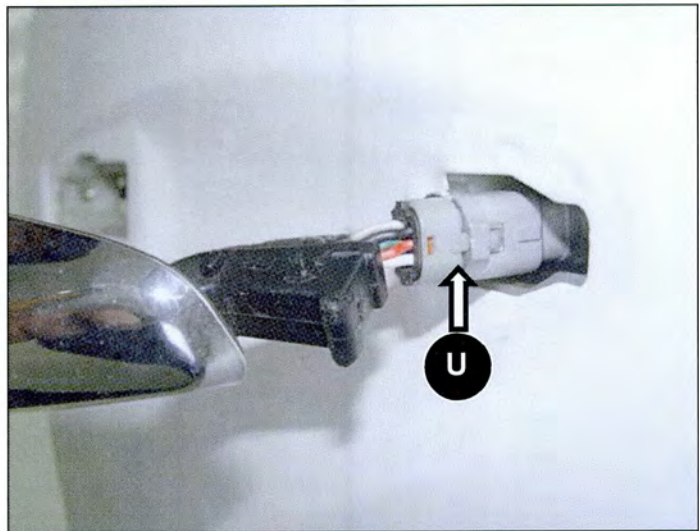


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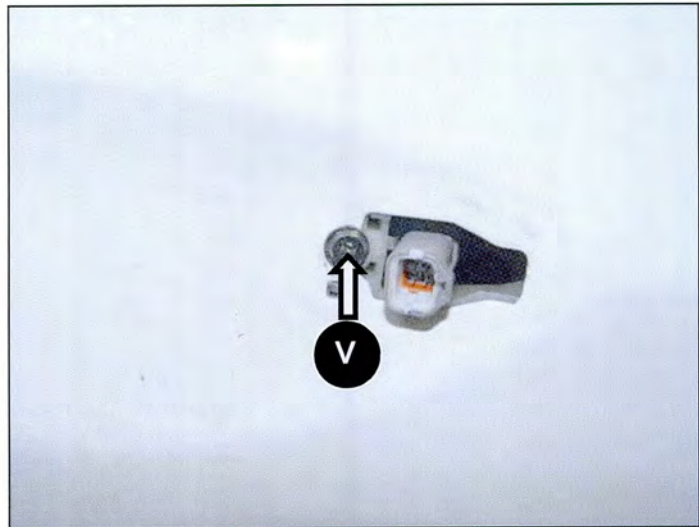
16. Separate the handle (T) from the door by pushing it in the direction of the door edge.



17. Disconnect the connector (U) and then remove the outside door handle.



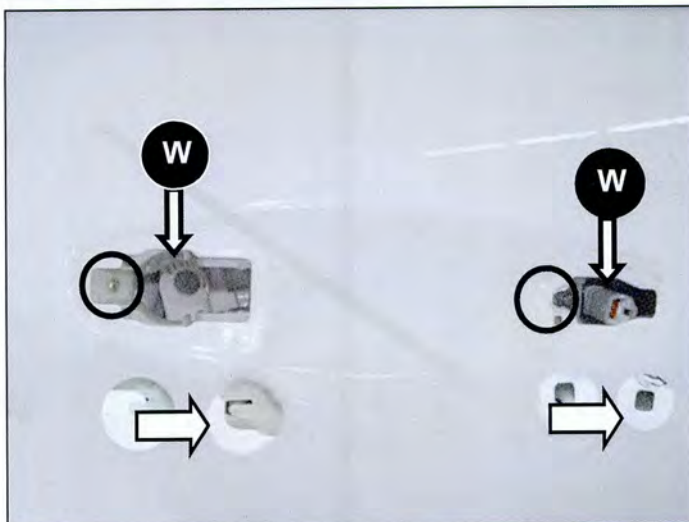
18. Remove the door handle base screw (V) using a Phillips head tool.



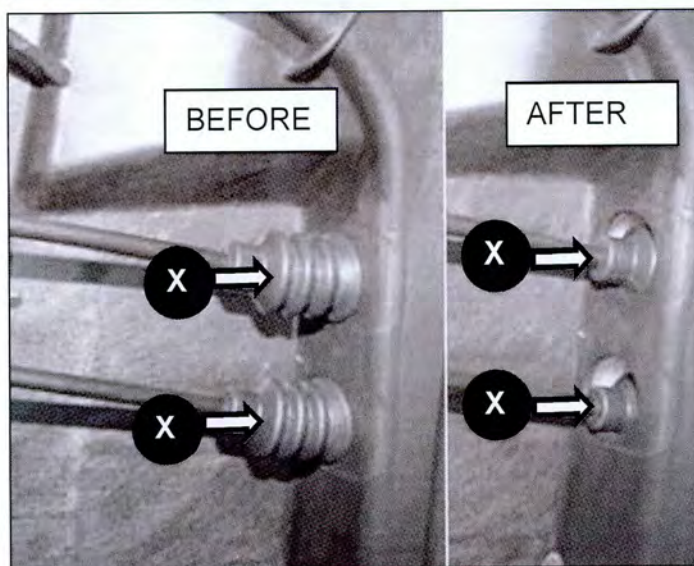
19. Release the door handle base lock (W) by pushing the handle base in the arrow direction.

NOTICE

Gently maneuver the handle base off the door frame and out of the door cavity without damaging it.



20. Push the latch cable (X) into the door module frame.



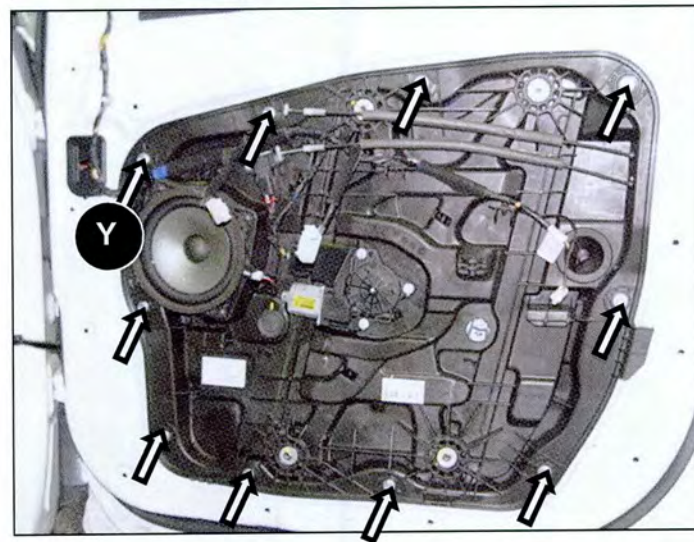
21. Remove the inner door frame panel mounting bolts (Y) using a socket tool.

Tightening Torque (Bolt)

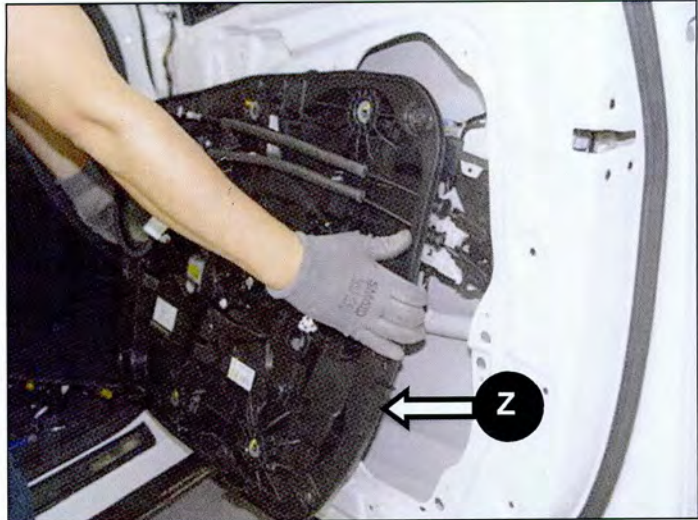
7.8 ~ 11.7 N.m (0.8 ~ 1.2 kgf.m / 5.8 ~ 8.7 lbf.ft)

Tightening Torque (Screw)

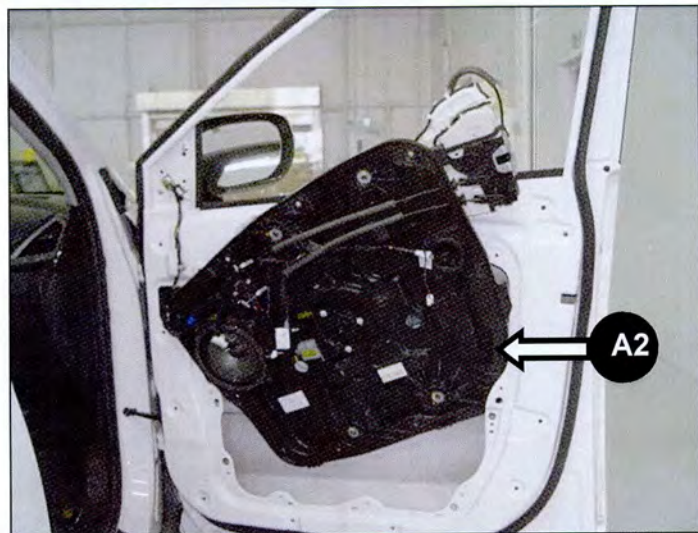
7.8 ~ 10.7 N.m (0.8 ~ 1.1 kgf.m / 5.8 ~ 7.9 lbf.ft)



22. Remove the door frame panel (Z) by pulling away from the door as illustrated.

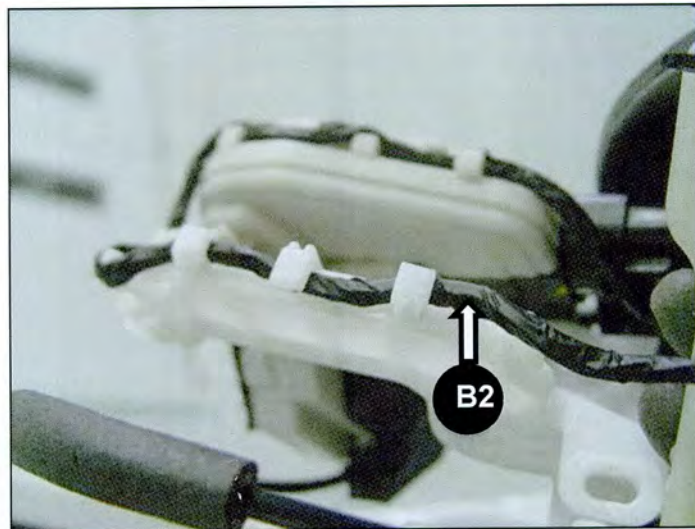


23. With the inner door panel temporarily held in place (A2) replace the latch assembly.



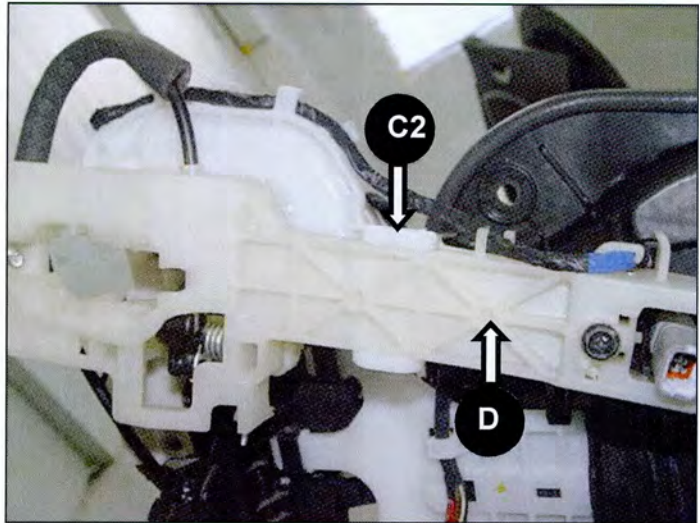
REPLACING THE LATCH ASSEMBLY

24. Separate the latch cover wire (B2) from the latch.

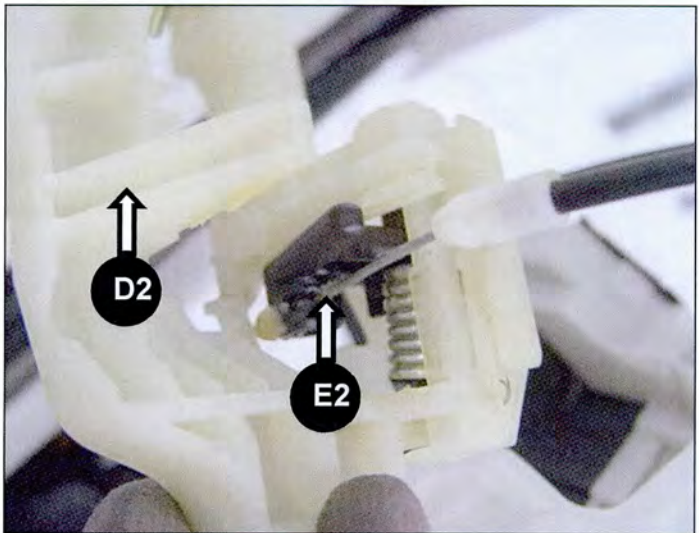


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25. Release the lock (C2) and then remove the outside handle base bracket (D2) from the door latch assembly.



26. Remove the latch cable (E2) from the outside handle base bracket (D2).



27. Disconnect the connector (F2).

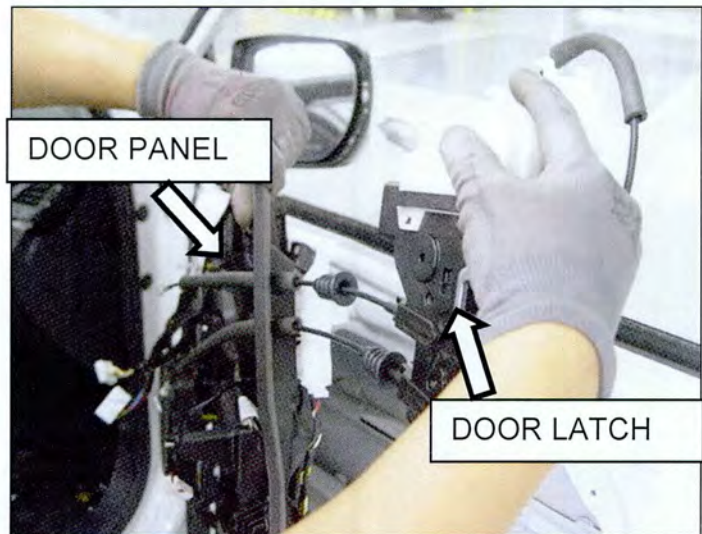


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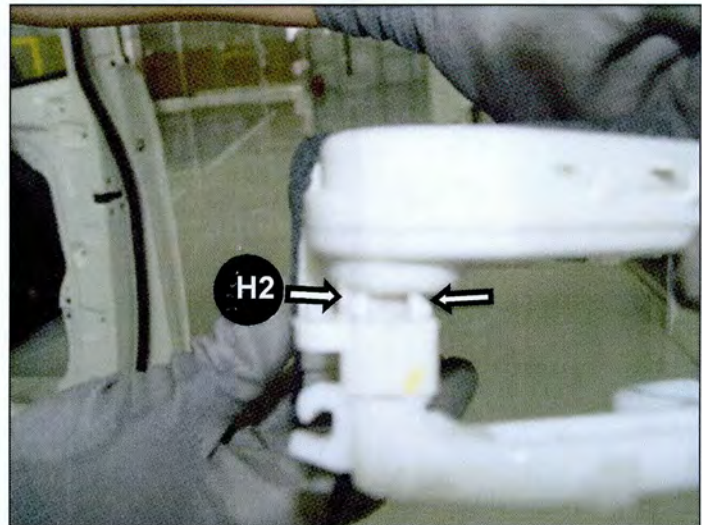
28. Separate the door latch assembly from the door panel (G2).



29. Illustration of the door latch being separated from the door panel.



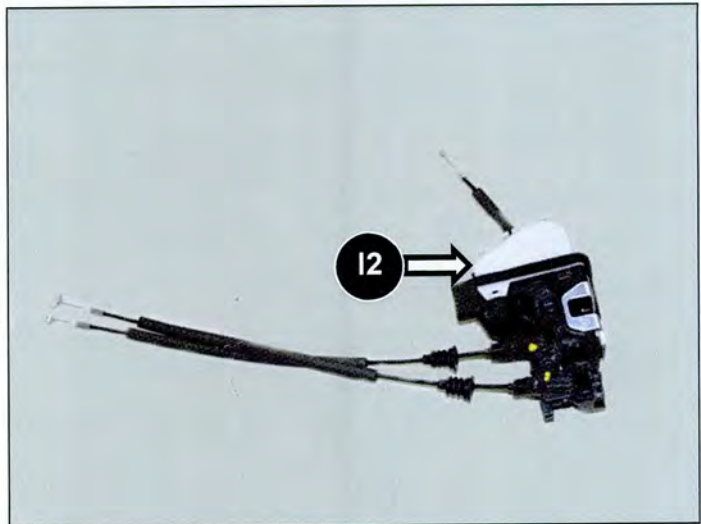
30. Release the latch wire cover bracket lock (H2) and then remove the latch wire cover bracket.



31. Install the new door latch assembly (I2) and all removed parts in the reverse order of removal.

NOTICE

Complete remaining front door using the procedures (1) – (30) above.



REAR DOOR LATCH

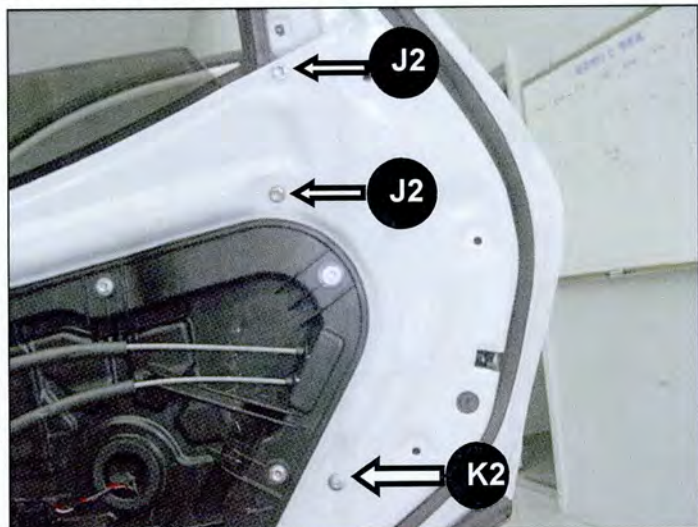
The glass mount guide location for (J2) and (K2) and the rear glass removal are the only procedure differences described in detail for the rear door latch procedure (32) - (39) below.

32. Complete service procedure (1) - procedure (9) above for rear door trim removal.

NOTICE

Remove the two glass guide mounting bolts (J2) before removing the glass using a socket tool.

Do not remove (K2); the glass mount guide will fall into the door frame crevice if (K2) is removed.



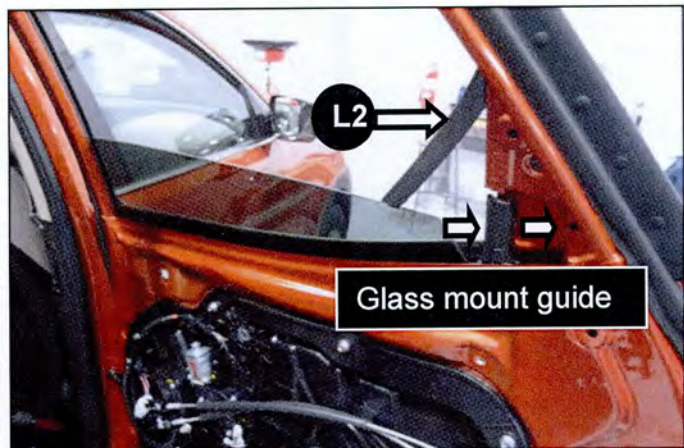
Tightening Torque)

7.8 ~ 11.7 N.m (0.8 ~ 1.2 kgf.m / 5.8 ~ 8.7 lbf.ft)

33. After the two glass mounting bolts are removed, pull the weather strip (L2) away from the door frame and push the glass mount guide towards the edge of the door shown on the image to the right (push in the direction of the arrow).

NOTICE

If there are difficulties moving the glass mount, loosen the bolt (K2) shown in procedure (32) above.



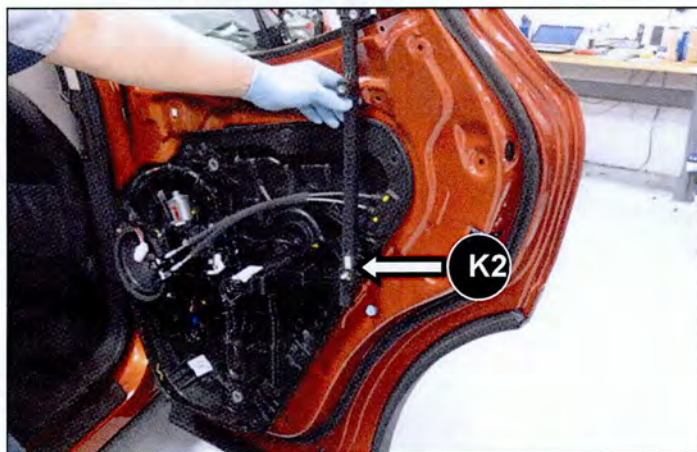
34. While pushing the glass mount towards the edge of the door frame maneuver the glass out of the door frame as shown on the image.



35. Procedure (13) - (22) illustrate how to safely remove the door panel, door handle and door lock actuator.

NOTICE

To remove the door lock assembly, completely remove the door handle and all screws illustrated in procedures (13) - (22) and then remove (K2) glass mount guide from the door frame.

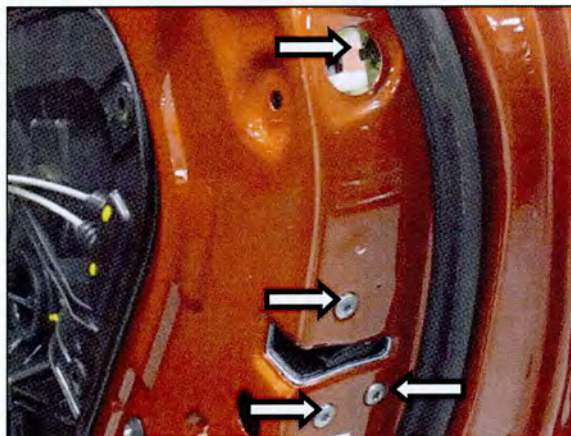


36. Details for door lock assembly removal can be found in procedures (13) - (22).

Remove all screws from the door lock assembly and the screw for the outside door handle.

Tightening Torque

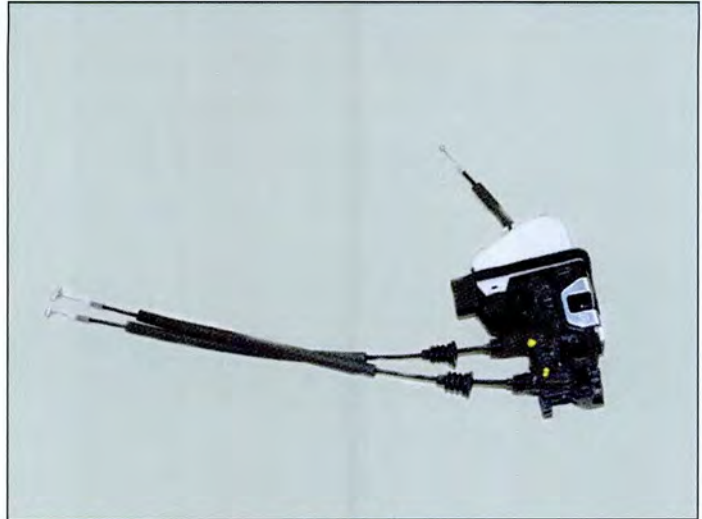
7.8 ~ 11.7 N.m (0.8 ~ 1.2 kgf.m / 5.8 ~ 8.7 lbf.ft)



37. Outside door handle removed.



38. Install the new rear door latch assembly.



39. During installation, place the glass mount guide inside the door frame and position the bolt into the frame with the door panel partially attached as illustrated before screwing in the mounting bolt.

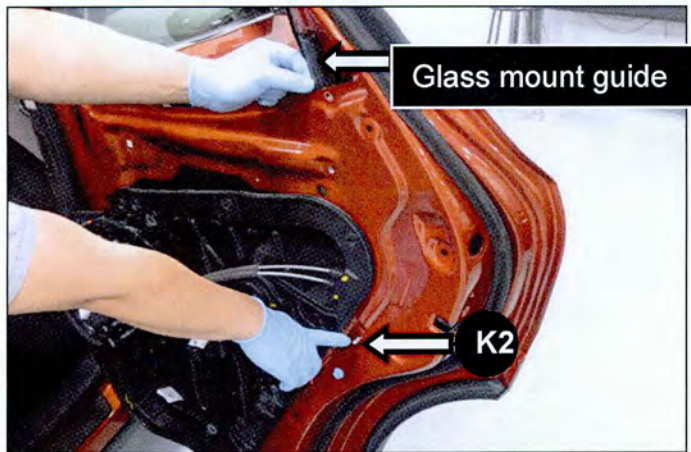
Tightening Torque)

7.8 ~ 11.7 N.m (0.8 ~ 1.2 kgf.m / 5.8 ~ 8.7 lbf.ft)

NOTICE

Replace any broken fastener(s) using the part number below.

82315-33020



40. With the glass mount guide in place continue with the re-installation of all removed parts in the reverse order of removal.

NOTICE

Complete remaining rear door using the procedures (32) – (40) above.

Confirm door lock/unlock operation.