

GENUINE RUNNING BOARDS

INSTALLATION INSTRUCTIONS





Thank you for purchasing a Genuine Mazda Accessory.

Before removal and installation, please thoroughly read these instructions.

For your safety, please read the contents of this booklet to properly install and use the Side Steps.

Keep these instructions with your vehicle records for future reference.



- There are several  **WARNING** and  **CAUTION** sections in this booklet concerning safety when installing or removing the Running Boards. Always read and follow the instructions in order to prevent injuries, accidents, and possible damage to the vehicle.
-  **WARNING :** Indicates a situation in which serious injury or death could result if the warning is ignored.
-  **CAUTION :** Indicates a situation in which bodily injury or damage to the vehicle could result if the caution is ignored.
- For areas indicating the tightening torque in this instruction manual, tighten to the specified torque by using a torque wrench.
- Do not modify the Running Boards.
- Do not install the Running Boards in any way other than described in the following instructions.
- If in doubt, please contact your Mazda dealer to install the accessory in order to prevent errors in installation.
- If you have any questions about the use of the accessory, ask your Mazda dealer for proper advice before using it. Mazda and its suppliers are not responsible for injuries, accidents, and damage to persons and property that arise from the failure of the dealer or installer to follow these instructions.
- To ensure safety and reliability of the work, installation, removal and disposal work must be carried out by an Authorized Mazda Dealership.
- Be careful not to lose removed parts, and be sure that they are kept free of dirt, scratches, or damage.

PART NAME: **RUNNING BOARDS**

PART NUMBER: **KMV6V3990**

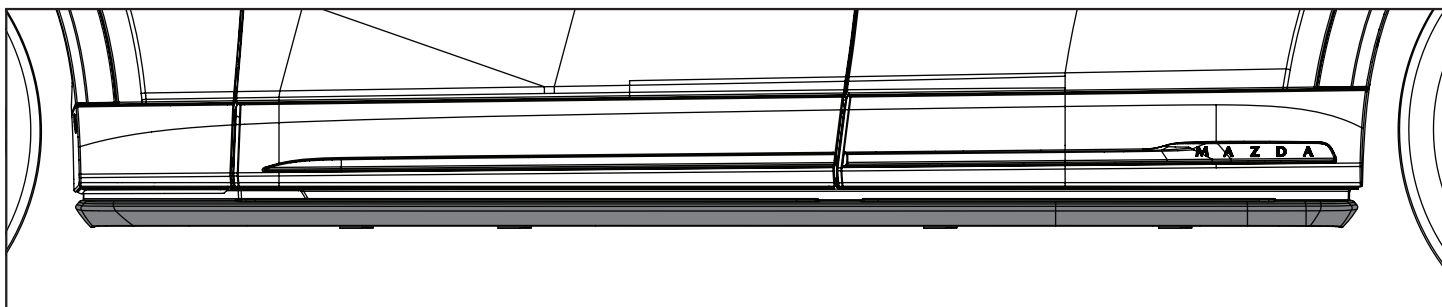
VEHICLE: **CX-90/CX-70**



1. PARTS

NOTE

- Verify that the kit includes all the following parts and that the parts are not dirty, scratched, or damaged.



Running Board Parts (In Box)

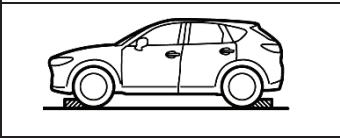
Part	Part name	Qty	Part	Part name	Qty
	Running Board (Drivers side)	1		Installation Instructions with Marking Template	1
	Running Board (Passenger side)	1		Installation Inspection Sheet	1
	Hardware Kit	1		Mounting Bracket Kit	1
	M8 x 45mm Bolts	8		Body Bracket A	8
	M8 Washers	8		Running Board Bracket B	8
	M8 x 60mm Bolts	8		Pinch Weld Brackets (PWB)	8
	M8 Flange Nuts	16			
	M8 Square Nuts	16			
	M8 x 20mm Bolts	16			
	M8 x 20mm Square Head Bolt	8			
	Frame Locking Plates (FLP)	8			
	Plastic Centering Spacers (PCS)	8			

2. TOOLS

- Plastic Pry Tool
- Std 13mm Socket
- 3/8 Drive Socket Wrench (x2)
- Deep 13mm Socket
- 3" long 3/8 Drive Extension
- Universal Drive Socket Adapter
- Ultra-Sonic Cutting Tool
(Or other plastic cutting tool)
- Paint Marker
- Masking Tape

⚠ WARNING

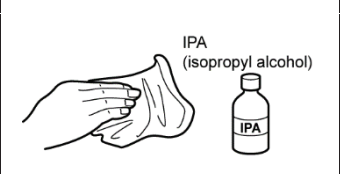
Before performing any work, park the vehicle on level ground, apply the parking brake securely, and then block the wheels. If the vehicle moves while performing work, it may cause injury



⚠ CAUTION

<p>Be sure to cover the vehicle body with protectors or mats when removing/installing parts. Otherwise, the vehicle may be scratched or become dirty.</p>	<p>Using improper tools may cause damage and or broken parts. Use the correct tool for the installation.</p>	<p>Wrap protective tape around screwdrivers and fastener remover tools to prevent scratching the vehicle.</p>	<p>Place the removed parts and kit accessories on a protective sheet to prevent scratches.</p>

If there is any dirt, grease or other contamination on the attachment surface, they may become attached to the double-sided tape, causing a drop in the adhesive strength of the double-sided tape. You should clean the attachment surface thoroughly before attaching the tape. Use IPA (isopropyl alcohol) or similar to clean interior and exterior surfaces.

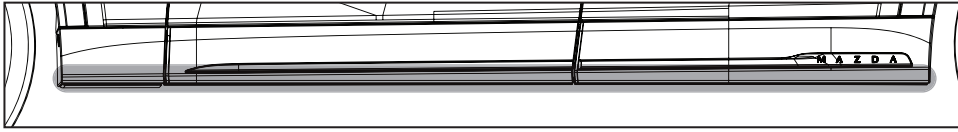


Advice

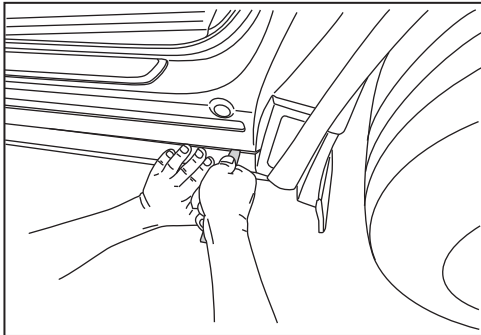
Refer to the Workshop Manual for removal and installation of applicable vehicle parts.



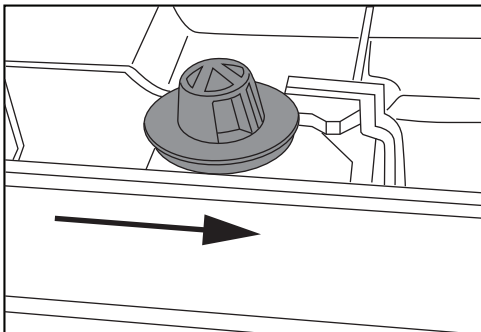
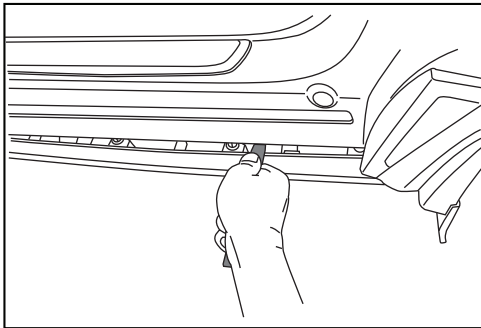
3. SPLASH SHIELD REMOVAL



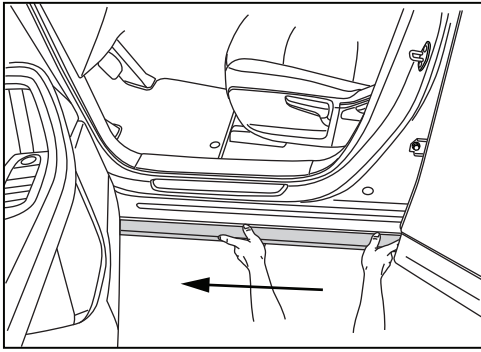
1. Mask bottom of door cladding to prevent damage during installation.



2. Using a stiff, non-marring pry tool, carefully loosen splash shield from bottom of vehicle starting at rear of vehicle and working forward until 12 outer retaining clips pop free from vehicle. Using pry tool, push downward until clips detach from vehicle.

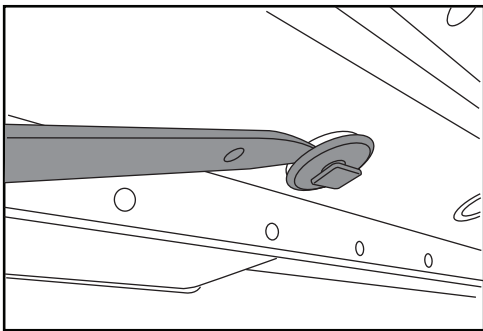


Note: Clips should be pushed rearward and out of the retaining slot of the splash shield to prevent accidental re-seating while removing splash shield.



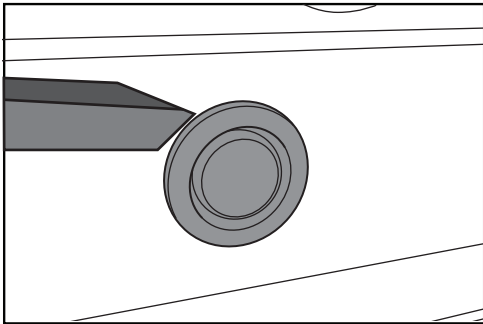
3. Once outer edge of splash shield is fully loose, firmly grip the splash shield and push to slide it forward to release it from vehicle.

Note: Keep splash shield and 12 gray clips and 1 yellow clip from step 4 and set aside for reuse.



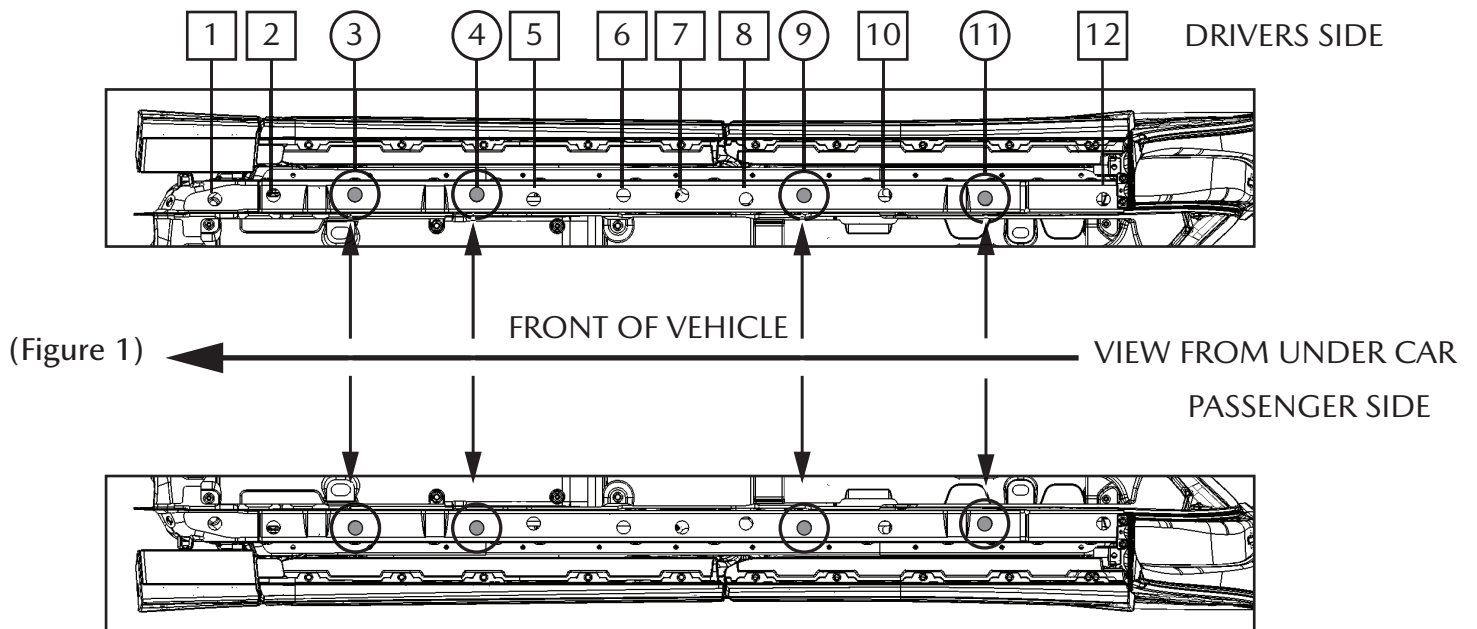
4. Look up under vehicle where splash shield was removed from and using a plastic pry tool remove 4 gray body clips from under body of vehicle that retained splash shield; set aside for reuse. Refer to diagram below:

Note: Grayclips are in positions 1,5,8 &12. (Figure 1)



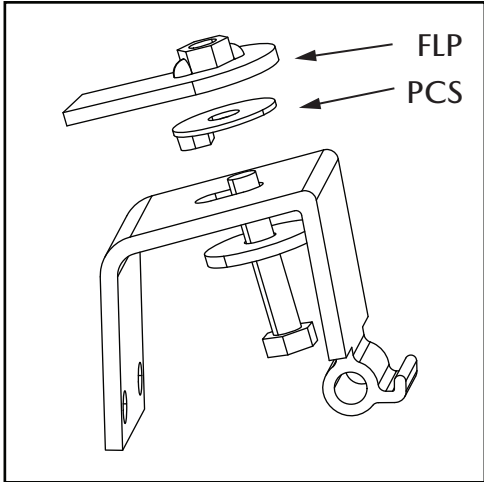
5. Using fingers or a plastic pry tool, remove body plugs from holes circled below. Temporarily mark holes with masking tape prior to installing brackets in step 9.

Note: body plugs are in positions 3, 4, 9 &11. (Figure 1)



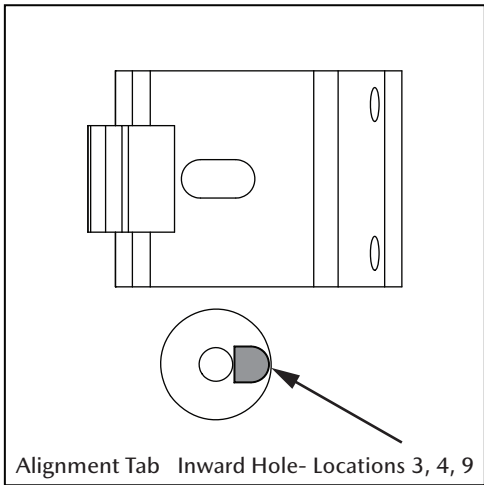
(Figure 1)

4. BRACKET "A" HARDWARE ASSEMBLY



6. Loosely assemble Body Bracket A (x4) using Frame Locking Plates (FLP), Plastic Centering Spacers (PCS), M8x45mm bolt and M8 washers.

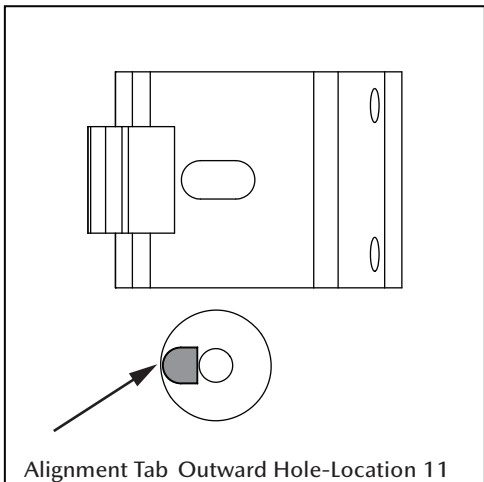
Note: Bolt should not stick out top of FLP nut as it may prevent FLP from inserting into body panel hole



Alignment Tab Inward Hole- Locations 3, 4, 9

Plastic Centering Spacer: The proper alignment of the bolt centering spacer is crucial to proper bracket positioning

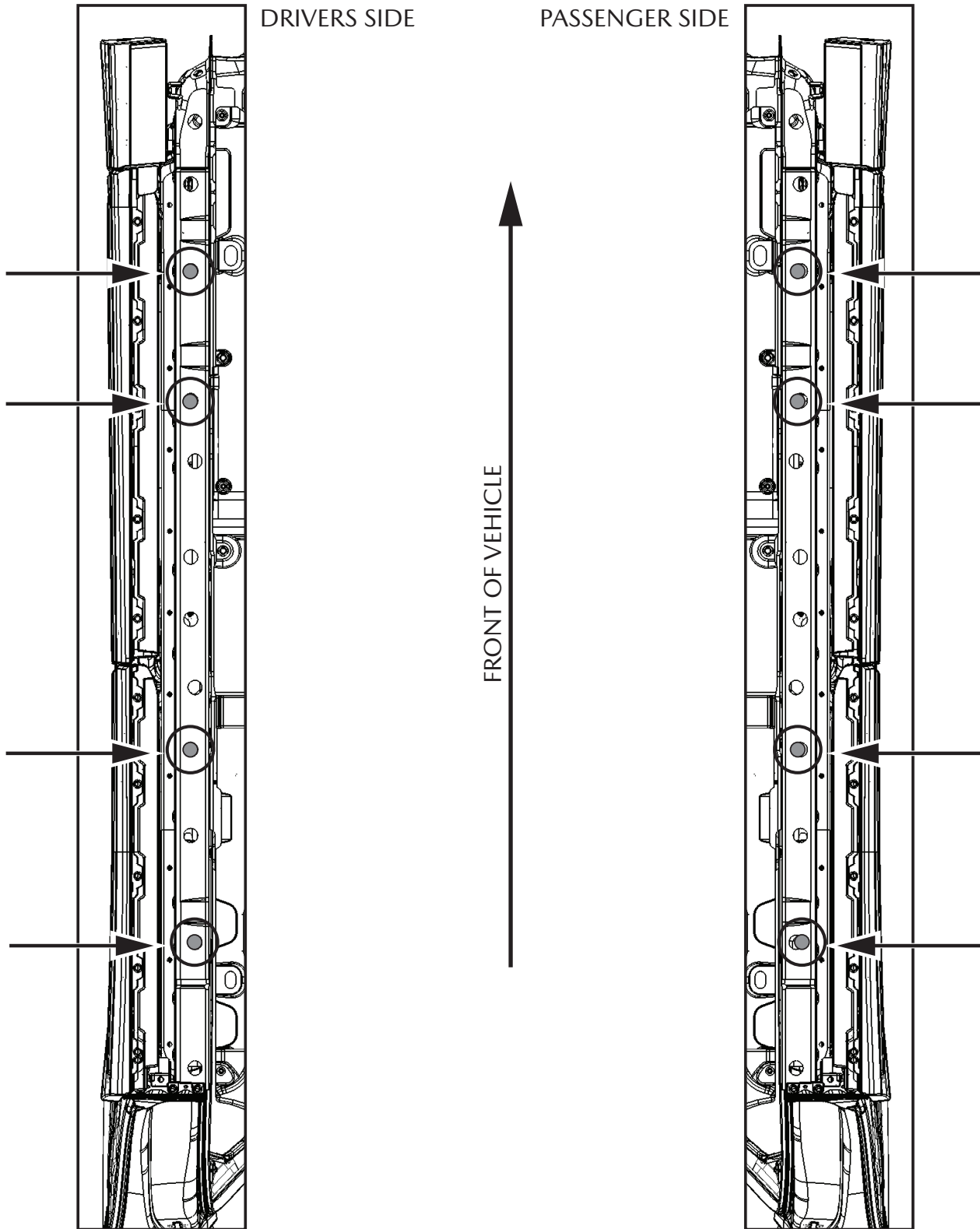
Note: Alignment Tab of Plastic Centering Spacer will be inward for holes 3, 4, & 9, and Tab will be outward for hole 11. (Failure to do so may result in FLP being misaligned.)

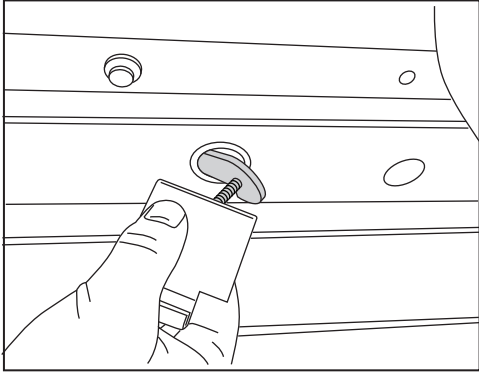


Alignment Tab Outward Hole-Location 11

5. BRACKET "A" INSTALLATION

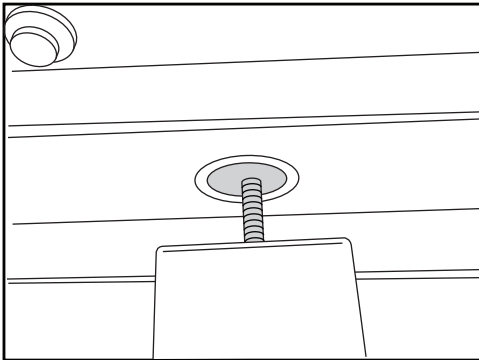
BRACKET "A" LOCATIONS



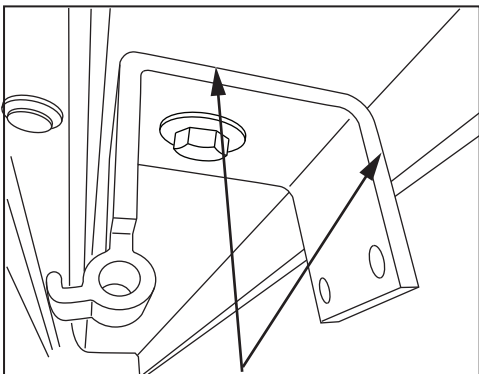


7. Install vehicle attachment brackets (x4) to holes 3, 4, 9, and 11. (See Page 7 for location)

8. Insert leg of FLP up and into hole. Rotate assembly until entire FLP is up in the frame of the vehicle and the bracket hangs freely.



9. Using fingers, tighten bolt until Body Bracket A is fully seated as shown.



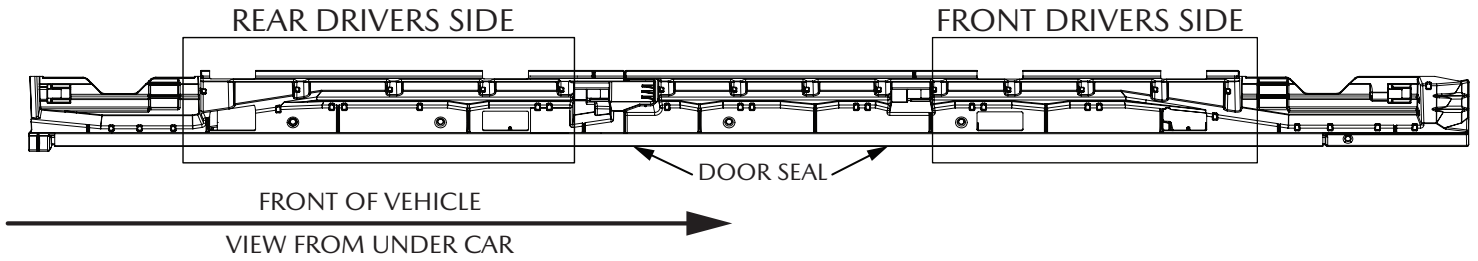
Bracket must be flush to surface-No gaps

Note: No gap between the vehicle body and Body Bracket A should be seen. If a gap is observed, loosen bolt and move bracket around until Bolt Centering Spacer seats properly in the body hole.

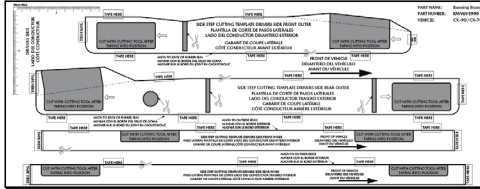
 CAUTION

10. Fully tighten and torque bolts to 17ft/lbs (23Nm).

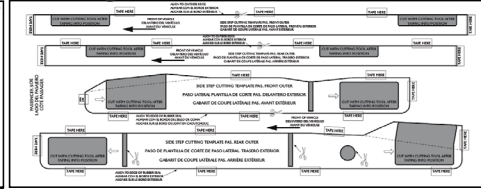
6. TRIMMING SPLASH SHIELD



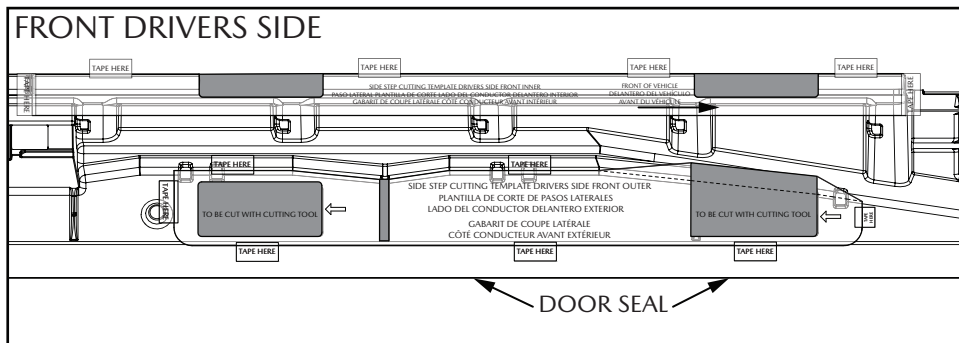
Drivers Side



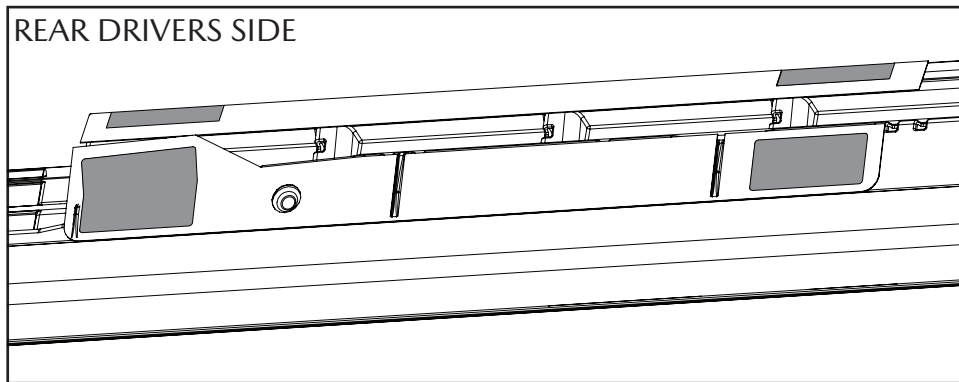
Passenger Side



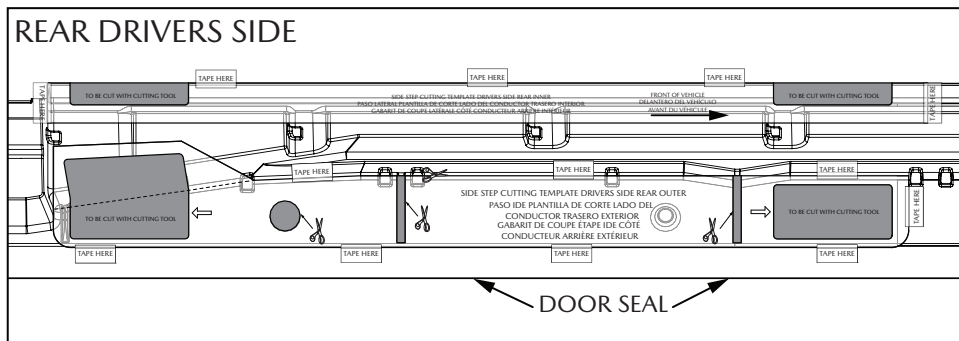
A. Carefully cut out the supplied paper templates.



B. Lay splash shield on table with rubber door seal facing towards you as shown and place the cutting templates on the splash shield as shown. Fold on the dashed line and tape securely by following the directions on the templates.

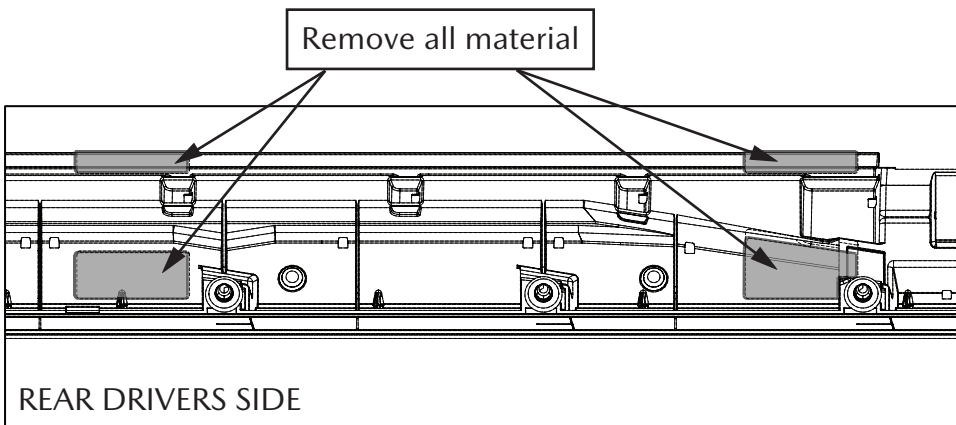
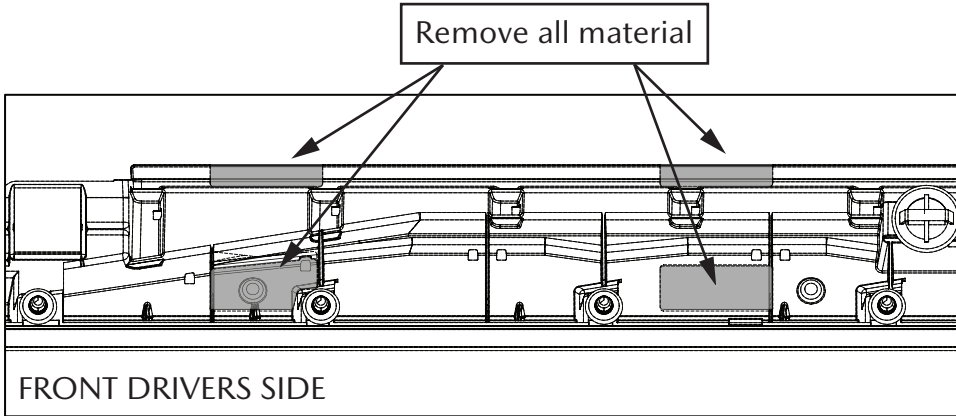


C. Using a cutting tool, cut the splash shield as shown. Be sure to cut away any and all material within the rectangular hole. (See Next Page)



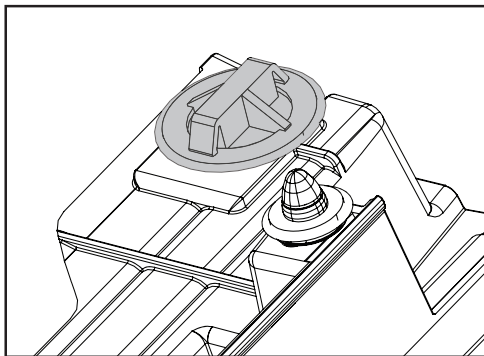
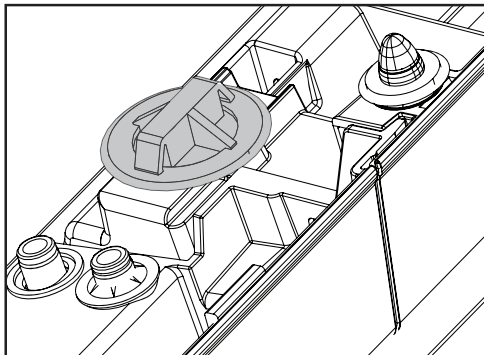
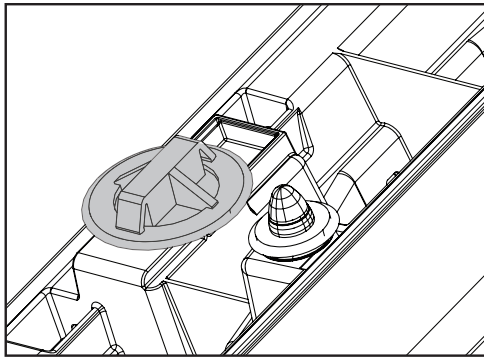
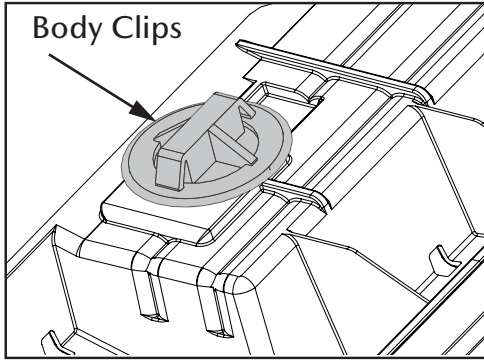
Repeat steps for other side.

6. TRIMMING SPLASH SHIELD

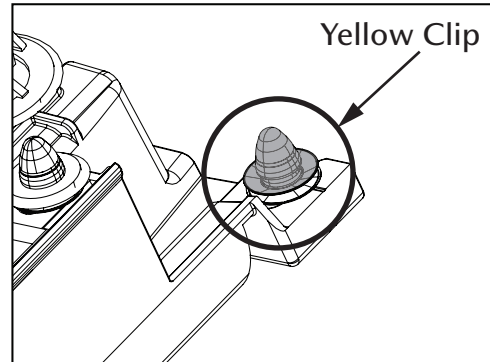


D. When cutting the bracket clearance holes, turn splash shield over and ensure that all material shown in grayed out areas is removed.

7. SPLASH SHIELD INSTALLATION

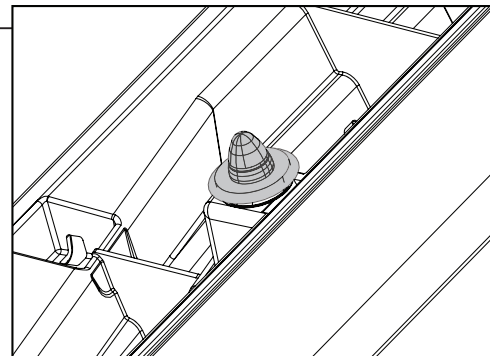
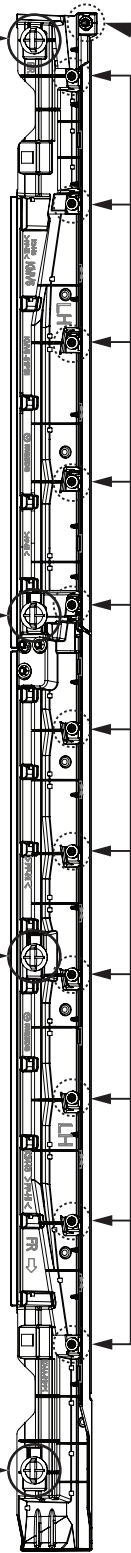


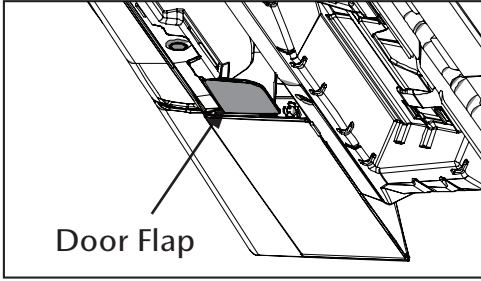
11. Reinstall clips that had been removed in steps 3, 4 and 5 as shown (11 pcs).



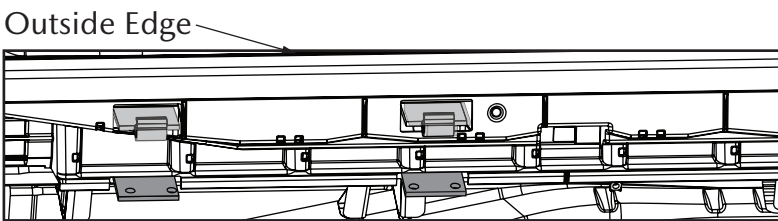
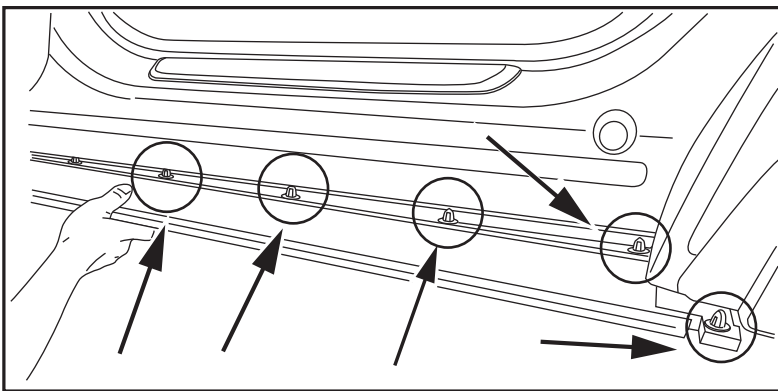
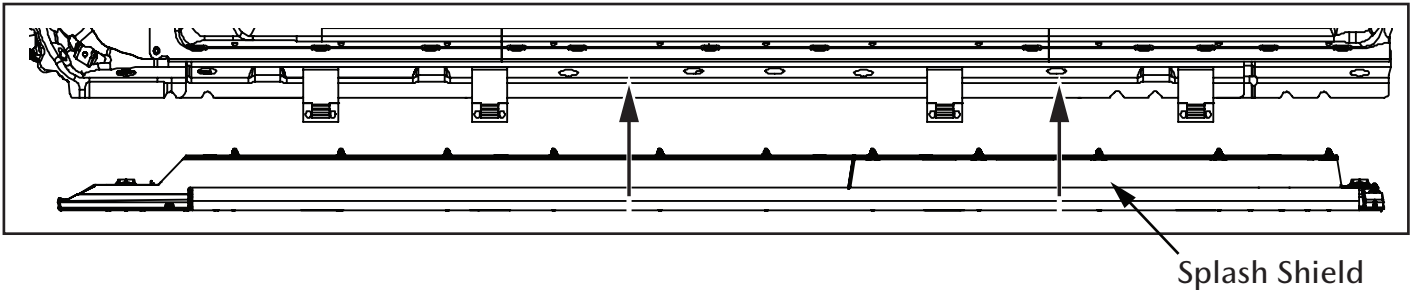
Caution: Yellow colored clip goes on back end of splash shield as shown (1 pc).

Note: A total of 12 push style clips and 4 body clips are to be re-installed.

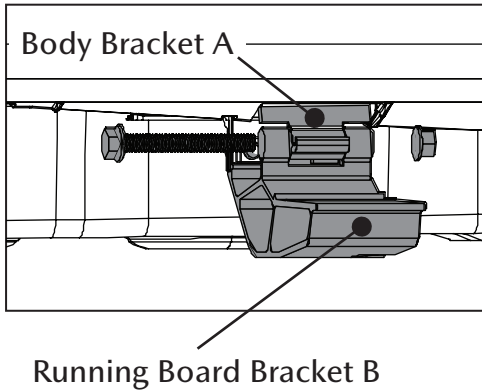




12. To reinstall splash shields, carefully insert front of shield up and over door trim molding flap. Fit splash shield up and over brackets taking care not to dislodge body panel clips. Once splash shield is in place and in position, push firmly along edge to seat the body panels clips (Qty 12) along the outer edge. Once secure, push firmly to attach body clips (Qty 4).

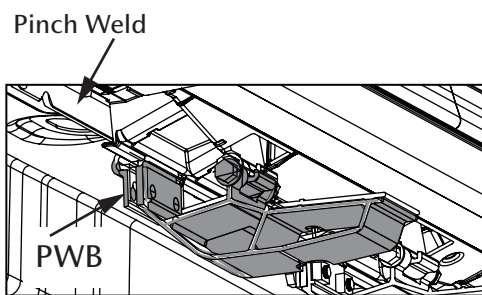


8. SIDE STEP BRACKET "B" INSTALLATION



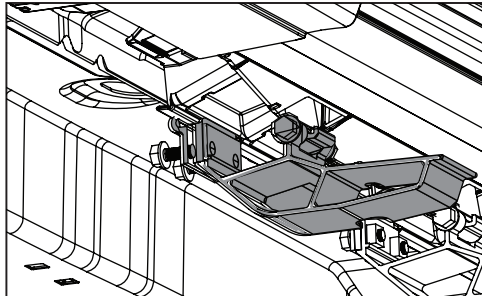
13. Install Running Board Bracket B to Body Bracket A using M8x60mm Bolts and M8 Flange Nuts.

Heads of Bolts should be positioned as shown.
Leave Bolts finger tight.



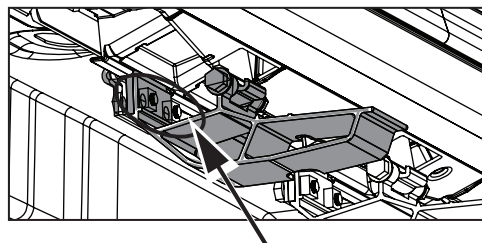
14. Rotate Running Board Bracket B and align rear holes with Body Bracket A. Position Pinch Weld Brackets (PWB) as shown making sure it is on the inner side of the vehicles pinch weld.

Confirm the PWB is flush against the pinch weld and that the underbody shield is not between the pinch weld and the PWB.



Insert 2, M8x20mm bolts through the PWB, Body Bracket A, Running Board Bracket B and fasten with 2, M8 Square Nuts. Leave bolts finger tight.

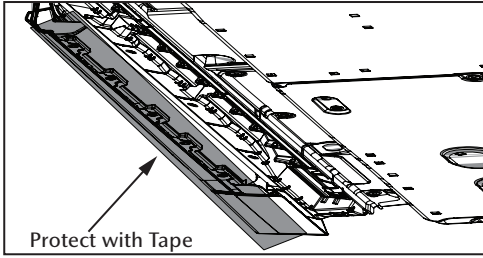
(Install 4X per side.)



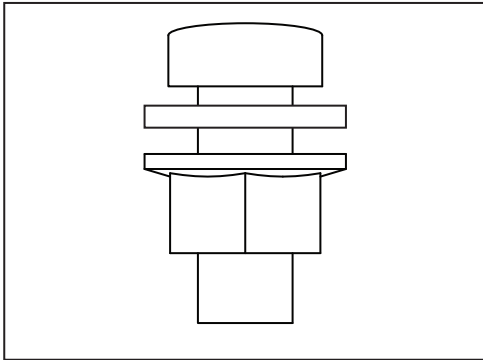
Curved Face Outward

Note: Ensure that flat side of the Square Nuts are against bracket face.

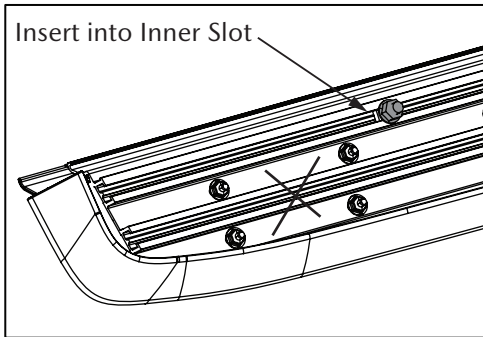
9. SIDE STEP INSTALLATION



15. Close vehicle doors and ensure lower door trim is protected with tape before attempting to install the Running Boards.

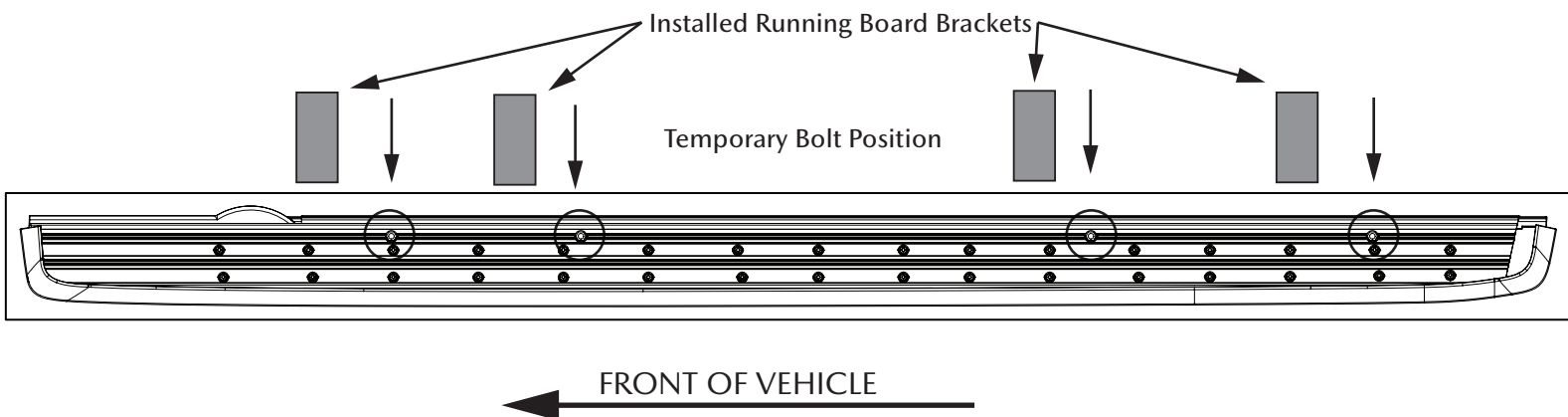


16. Pre-assemble 4, M8 x20mm Square Bolts, M8 Washers and M8 Flange nuts.

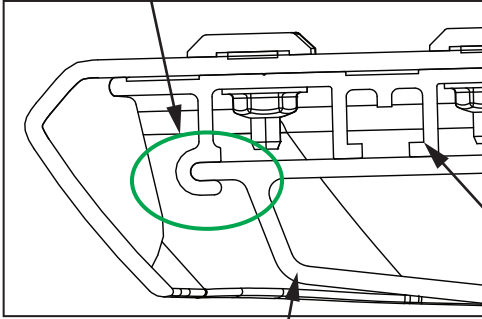


17. Insert Bolt assembly into track on underside of Running Boards and position them to the right of the installed Running Board brackets.

Note: Failure to position Bolts to the right of the Bracket may result in having to remove Running Board and re-position the bolts.



Rotate into position

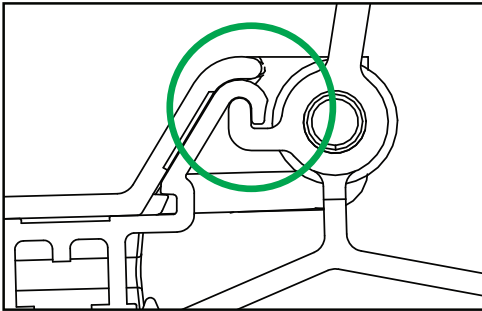


Running Board Bracket

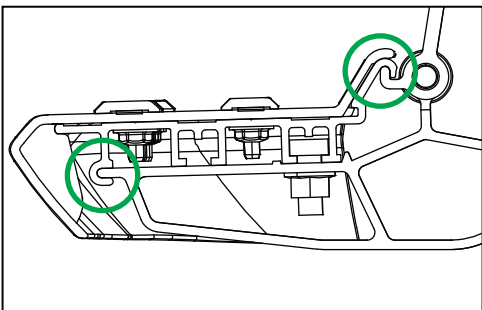
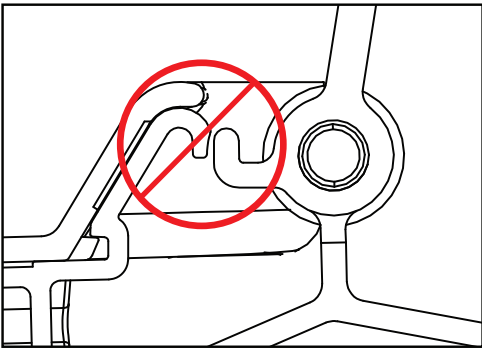
Running Board

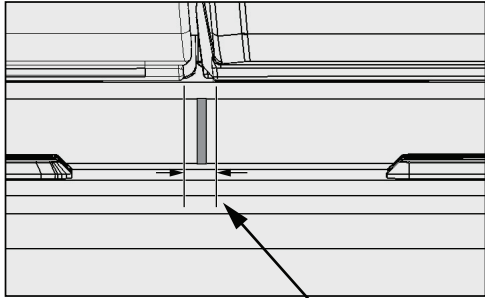
18. Close front and rear doors and lay Running Board onto Running Board Brackets. Push inward and ensure the front tab of the Running Board Bracket B engages into the slot on the underside of the Running Board aluminum extrusion.

19. Rotate Running Board into position and confirm Running Board snaps into locking hook as shown.



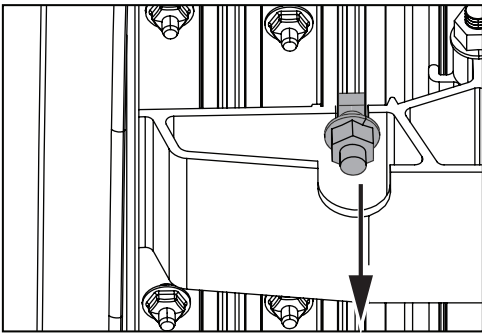
Note: Rear hook must be fully engaged before tightening all bolts.



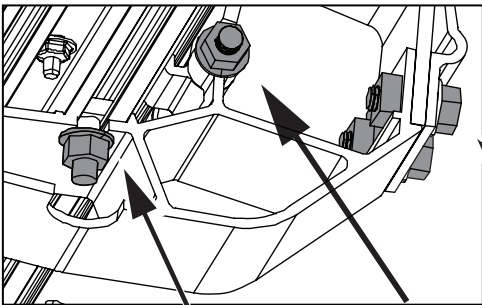


Alignment Mark

20. Align front edge of rear door with alignment mark on inclined face of Running Board as shown



21. Slide Bolt Assembly from step 17 onto Running Board Bracket B and torque to 17ft/lbs (23Nm).



TORQUE LAST

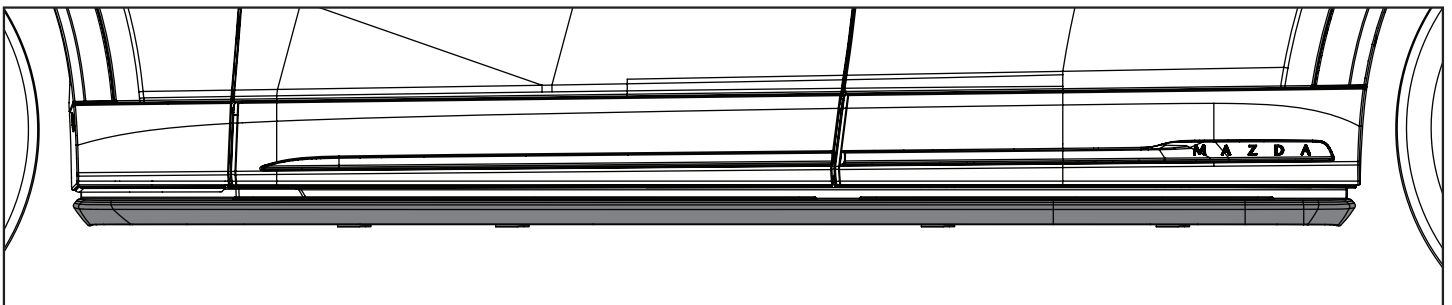
TORQUE FIRST

TORQUE SECOND

⚠ CAUTION

22. Torque all Bolts to 17ft/lbs (23Nm) 4 places per bracket.

23. Congratulations! You have completed the installation of the Genuine Running Boards.



Date:				
VIN:				
Approved		Checked		Person in Charge

INSTALLATION INSPECTION SHEET	Genuine Running Boards
	KMV6V3990

Perform the following inspections

! IMPORTANT INSPECTION ITEMS

- These inspections and check are important for safety and legal compliance.

! WARNING

- Check that there is no one directly in front of or behind the vehicle and that no one is near the engine compartment before starting the vehicle's engine. Sudden vehicle movements may result in serious injury.
- Do not start the engine in indoor places with poor ventilation such as garages. Exhaust gases may build up and cause poisoning or suffocation.
- Be sure to park the vehicle on a level surface and block the wheels before carrying out any operation checks.

1. Inspection items after installation

Check

Verify the fitment between the vehicle part and install part for damage or dirt.

Confirm Running Board alignment as shown in step 20.

Confirm modified underbody splash shield is fully installed and no gaps between door frame and underbody splash shield

2. Vehicle parts reinstallation

Inspect the installed/reinstalled parts for the following items:

INSPECTION PARTS	INSPECTION ITEMS			
	Clearance and fit	Scratches, dirt, and general interference	Installation, tightening and engagement	Operation check
Underbody splash shield fully installed	•	--	--	--
Body Bracket A are flush to body and pinch weld	•	•	•	•
Running Board is fully seated on attachment hook	•	--	•	•

- The term of validity for this sheet: 3 years