



GENUINE ACCESSORIES

INSTALLATION INSTRUCTIONS

PART NUMBER:

0000-8E-N30
0000-89-N30

APPLICABLE MODELS:

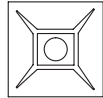
2016 > CX-9

TRAILER HITCH MAIN HARNESS KIT

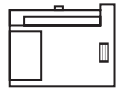
PACKAGE CONTENTS:



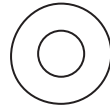
INSTALLATION
INSTRUCTIONS
QTY 1



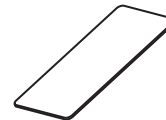
CABLE TIE
MOUNT
QTY 1



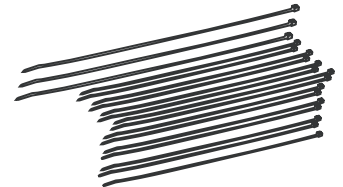
FEMALE
CONNECTOR
QTY 1



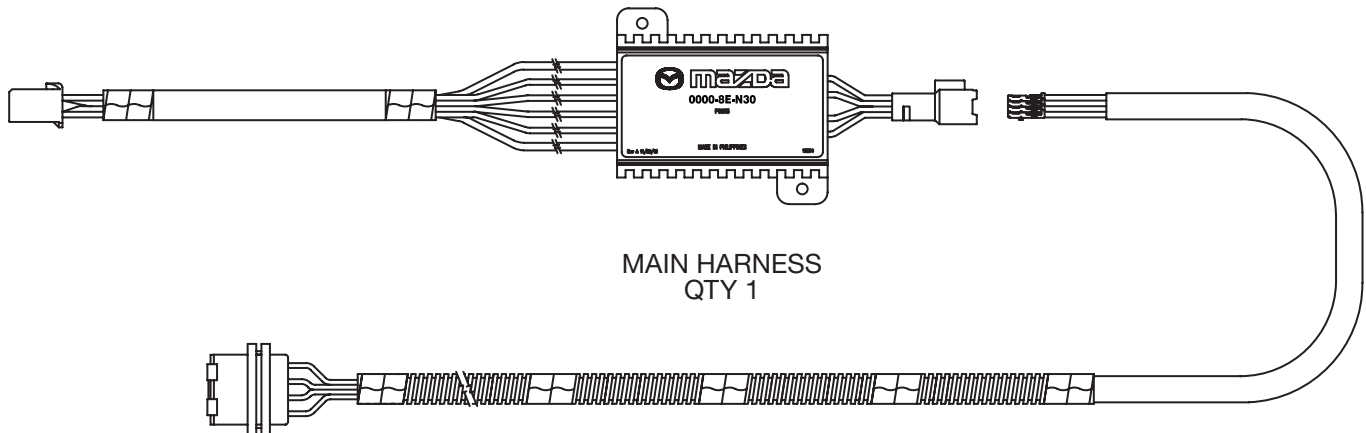
GROMMET
QTY 1



FOAM TAPE
QTY 1



TIE WRAPS
QTY 16



TOOLS REQUIRED

10MM SOCKET WRENCH
PHILLIPS SCREWDRIVER
FLATHEAD SCREWDRIVER
FASTENER REMOVAL TOOL
DIAGONAL CUTTERS
ALCOHOL WIPE
RTV SILICONE INSTANT GASKET
(EQUIVALENT TO PRO SEAL #80044)

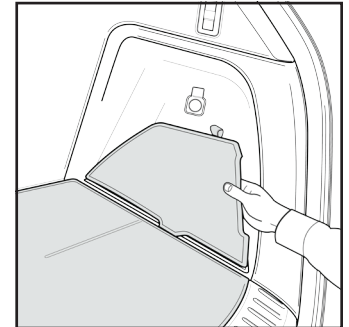
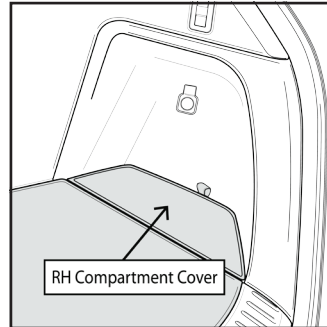
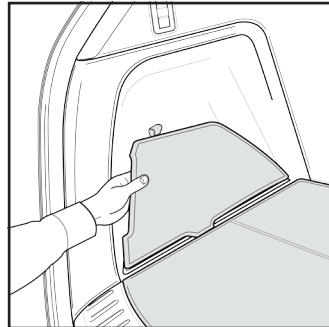
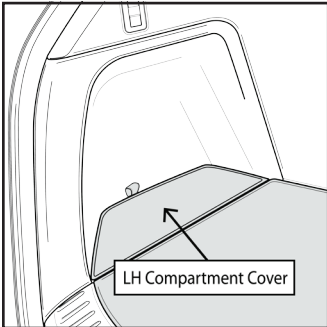
00

BEFORE INSTALLATION

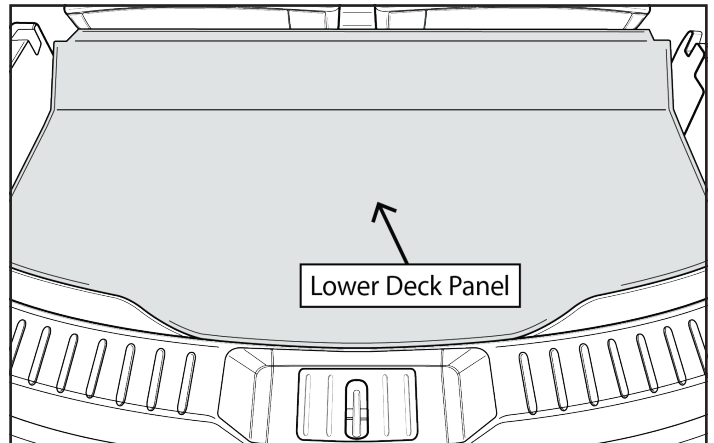
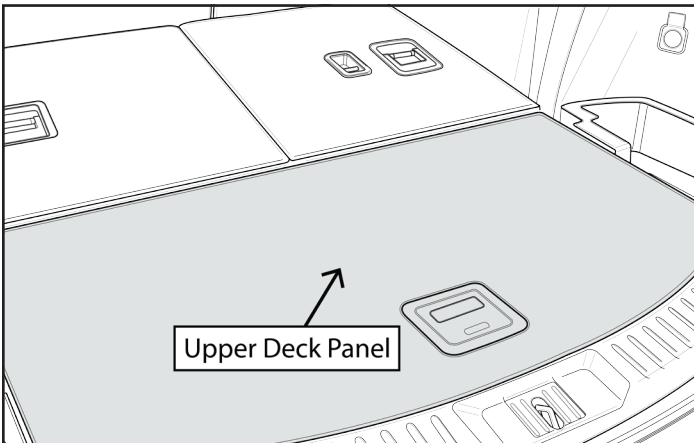
- A) READ ALL INSTALLATION INSTRUCTIONS BEFORE PROCEEDING WITH INSTALL
- B) BE CAREFUL NOT TO DAMAGE PAINT OR KIT COMPONENTS
- C) DO NOT OVER-TIGHTEN BOLTS, TIGHTEN TO SPECIFIED TORQUE
- D) RECORD CUSTOMERS PRESET RADIO STATIONS (IF APPLICABLE)
- E) USING A 10MM SOCKET, REMOVE NEGATIVE (-) BATTERY TERMINAL
- F) WRAP PROTECTIVE TAPE AROUND SCREWDRIVERS AND FASTENER REMOVAL TOOLS TO PREVENT SCRATCHING THE VEHICLE

A**ACCESS STORAGE COMPARTMENTS**

- 1) OPEN THE REAR HATCH OF THE VEHICLE AND LOWER THE THIRD ROW SEATS.
- 2) TEMPORARILY REMOVE THE CARGO FLOOR COMPARTMENT COVER ON THE DRIVER SIDE.
- 3) TEMPORARILY REMOVE THE CARGO FLOOR COMPARTMENT COVER ON THE PASSENGER SIDE.

**A****ACCESS STORAGE COMPARTMENTS**

- 4) LIFT AND REMOVE THE TOP DECK PANEL.
- 5) LIFT AND REMOVE THE LOWER DECK PANEL EXPOSING THE SPARE TIRE COMPARTMENT.

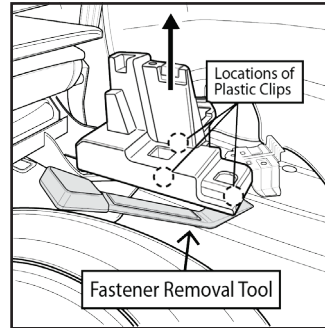
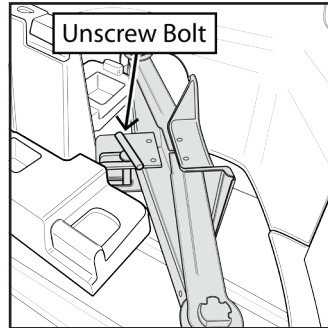
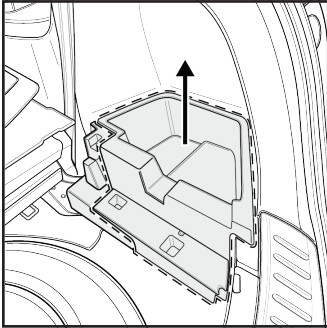


B REMOVE STORAGE COMPARTMENTS

- 1) LIFT AND TEMPORARILY REMOVE TOP HALF OF PASSENGER SIDE PLASTIC STORAGE.
- 2) UNSCREW BOLT HOLDING SPARE TIRE JACK ON PASSENGER SIDE AND TEMPORARILY REMOVE JACK FROM VEHICLE.

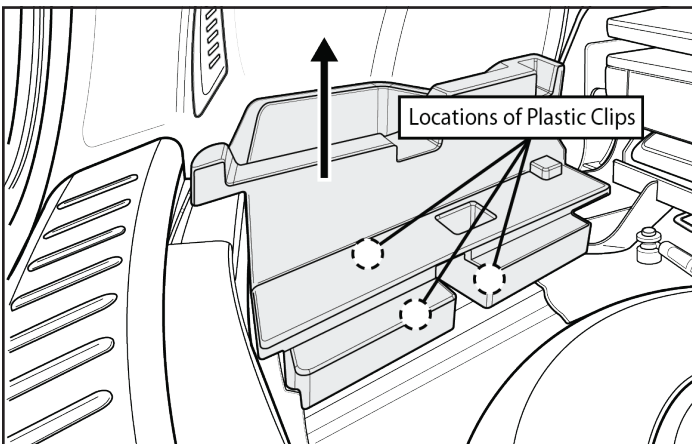
B REMOVE STORAGE COMPARTMENTS

- 3) USING THE FASTENER REMOVAL TOOL, REMOVE THE LOWER HALF OF THE PASSENGER SIDE STORAGE COMPARTMENT IN THE DIRECTION OF THE ARROW SHOWN IN THE FIGURE BELOW WHILE DETACHING THE PLASTIC CLIPS.
- 4) TEMPORARILY REMOVE STORAGE COMPARTMENT FROM VEHICLE.



B REMOVE STORAGE COMPARTMENTS

- 5) USING FASTENER REMOVAL TOOL, REMOVE THE DRIVER SIDE STORAGE COMPARTMENT IN THE DIRECTION OF THE ARROW SHOWN IN THE FIGURE BELOW WHILE DETACHING THE PLASTIC CLIPS.
- 6) TEMPORARILY REMOVE STORAGE COMPARTMENT FROM VEHICLE.

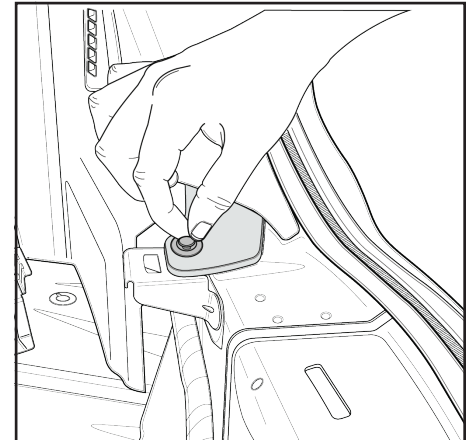
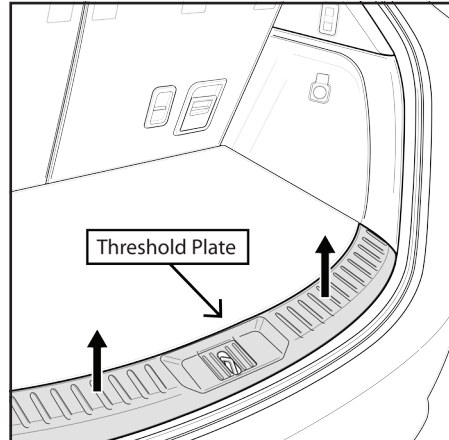
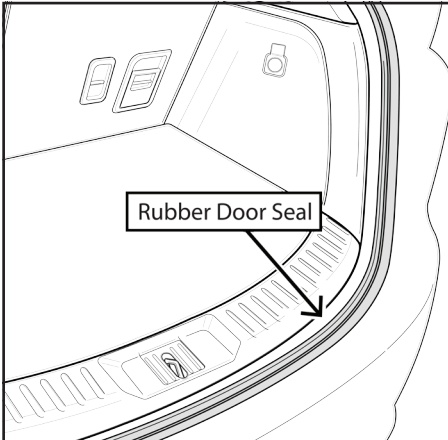


C**REMOVE REAR THRESHOLD**

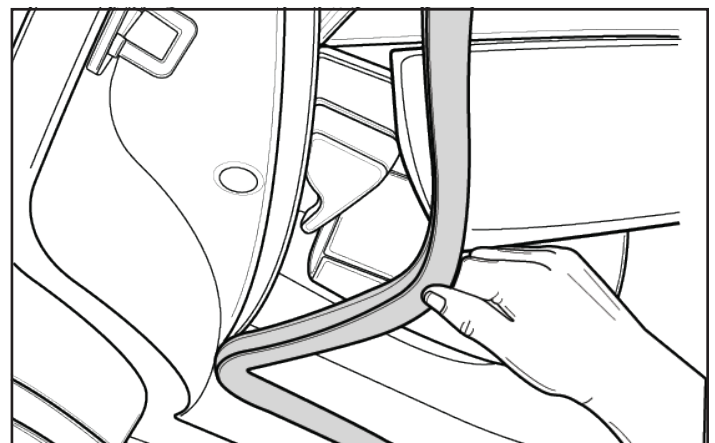
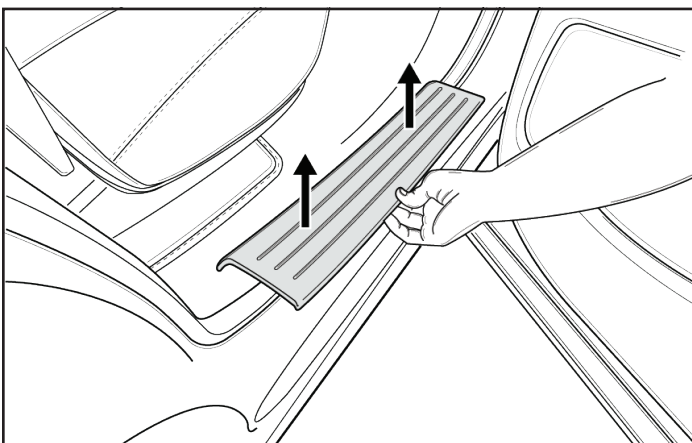
- 1) CAREFULLY PULL THE RUBBER DOOR SEAL AWAY FROM BODY.
- 2) FIRMLY PULL UP ON THE THRESHOLD PLATE AND TEMPORARILY REMOVE FROM THE VEHICLE.

C**REMOVE REAR THRESHOLD**

- 3) LOCATE FASTENER HOLDING PASSENGER SIDE TRIM PANEL.
- 4) USING A FLAT SCREWDRIVER, CAREFULLY REMOVE THE PLASTIC CLIP LOCATED AT THE LOWER INSIDE EDGE OF THE PASSENGER SIDE INTERIOR TRIM PANEL.

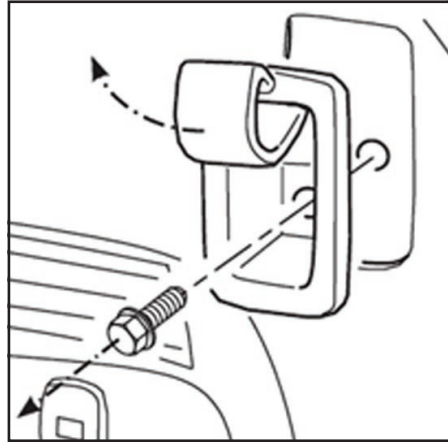
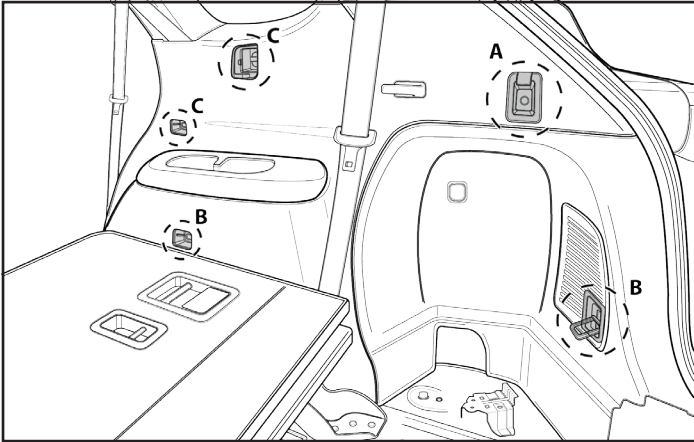
**D****REMOVE THE PASSENGER SIDE KICK PLATE**

- 1) OPEN REAR PASSENGER SIDE DOOR AND LOCATE KICK PLATE.
- 2) FIRMLY PULL UP ON THE KICK PLATE AND TEMPORARILY REMOVE FROM THE VEHICLE .
- 3) PULL THE RUBBER DOOR SEAL AWAY FROM BODY.

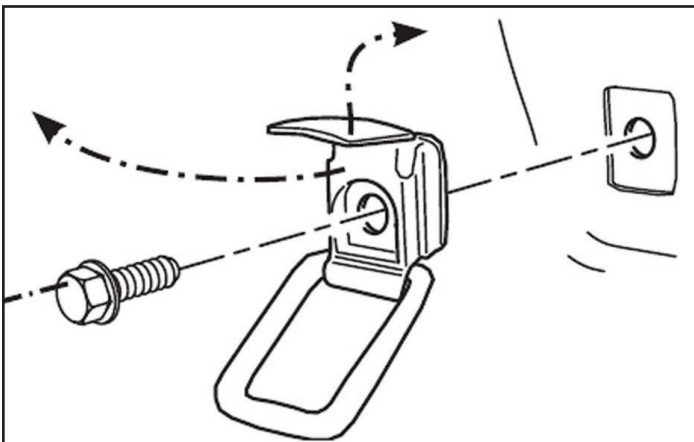


E**ACCESS WIRE HARNESS BEHIND PASSENGER SIDE INTERIOR TRIM PANEL**

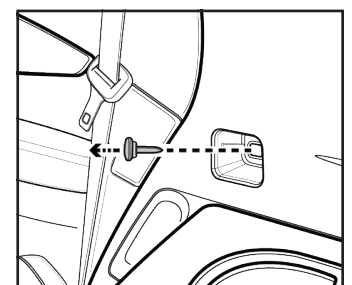
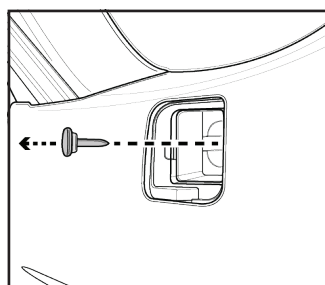
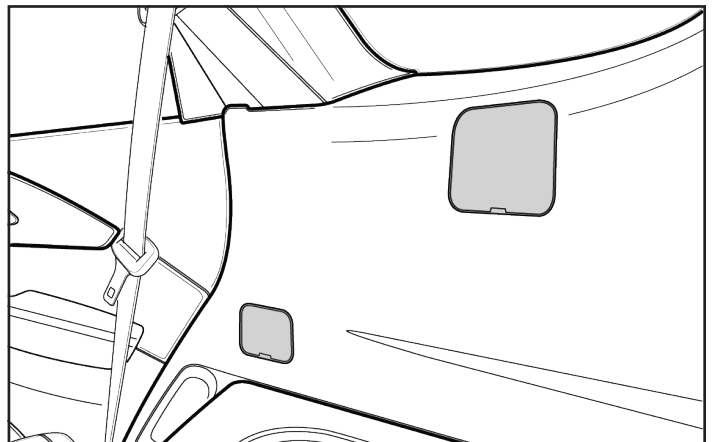
- 1) REMOVE THE PASSENGER SIDE UPPER CARGO TIE DOWN (A):
 - 1.1) PULL BACK HOOK TO ACCESS BOLT.
 - 1.2) REMOVE THE BOLT SECURING THE UPPER CARGO TIE DOWN USING A 10MM SOCKET (TORQUE SPEC 9.0 - 12.0 N·m).

**E****ACCESS WIRE HARNESS BEHIND PASSENGER SIDE INTERIOR TRIM PANEL**

- 2) REMOVE THE 2 PASSENGER SIDE LOWER CARGO TIE DOWNS (B):
 - 2.1) PULL BACK HOOK TO ACCESS BOLT.
 - 2.2) REMOVE THE BOLT SECURING THE UPPER CARGO TIE DOWN USING A 10MM SOCKET (TORQUE SPEC 9.0 - 12.0 N·m).

**E****ACCESS WIRE HARNESS BEHIND PASSENGER SIDE INTERIOR TRIM PANEL**

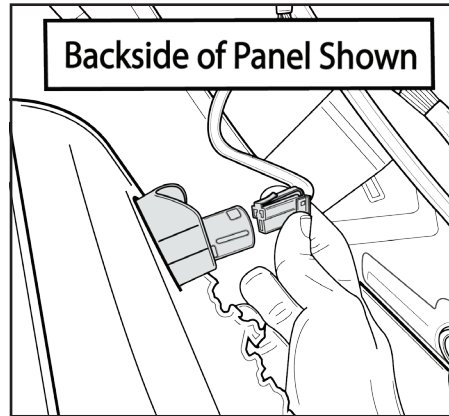
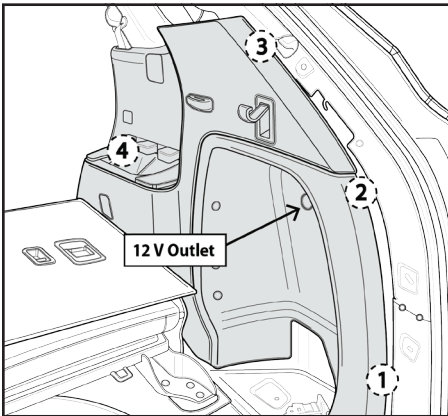
- 3) REMOVE THE 2 PASSENGER SIDE SCREWS TOWARDS FRONT OF INTERIOR TRIM PANEL (C):
 - 3.1) USING A FLAT HEAD SCREWDRIVER, CAREFULLY PRY UP COVERS FROM TRIM EXPOSING SCREWS.
 - 3.2) USING A PHILLIPS SCREWDRIVER, REMOVE BOTH SCREWS.



F REMOVE THE PASSENGER SIDE TRIM PANEL

▲ CAUTION: SEE WARNING BELOW BEFORE PERFORMING THIS STEP.

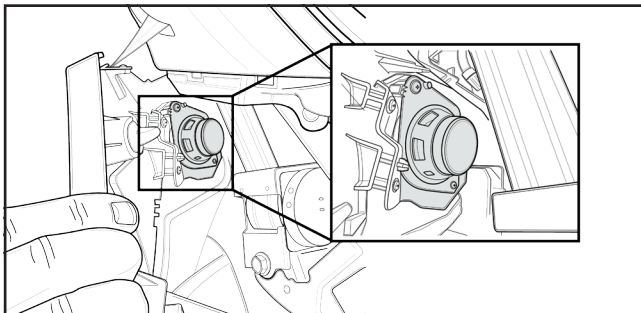
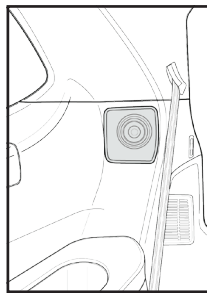
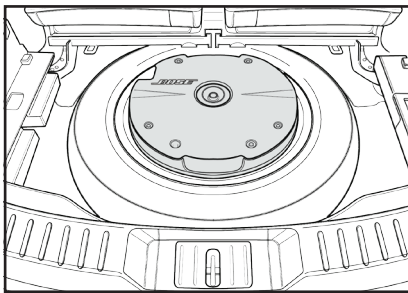
- 1) GENTLY PULL PASSENGER SIDE TRIM PANEL AWAY FROM BODY WHILE DETACHING THE CLIPS AT POSITIONS 1 THROUGH 3 UNTIL 12V ACCESSORY CONNECTOR IS VISIBLE ON REAR OF PANEL.
- 2) LOCATE 12V ACCESSORY CONNECTOR ON REAR OF PANEL AND UNPLUG.
- 3) GENTLY PULL PANEL AWAY FROM THE BODY WHILE DETACHING THE CLIP AT POSITION 4.



▲ WARNING: IF VEHICLE IS EQUIPPED WITH A BOSE SOUND SYSTEM

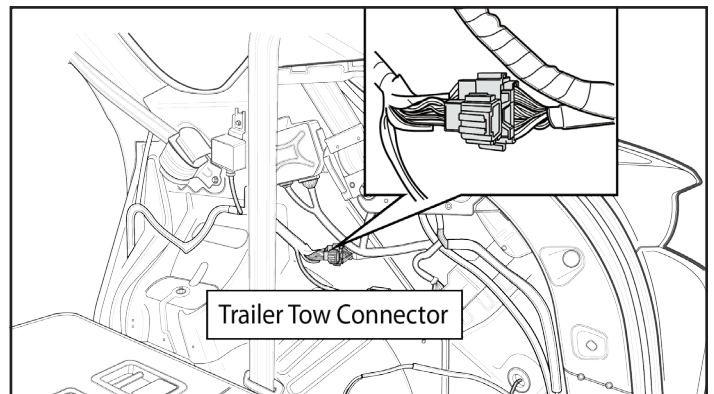
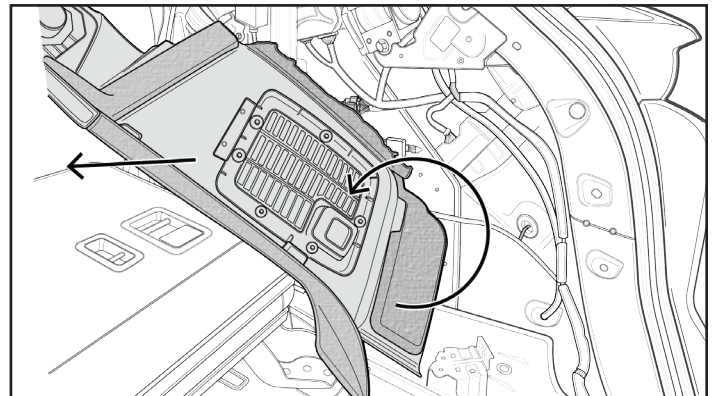
CERTAIN VEHICLES COME EQUIPPED WITH THE OPTIONAL BOSE SOUND SYSTEM. THIS CAN BE CONFIRMED BY THE BOSE SUBWOOFER LOCATED IN THE SPARE TIRE COMPARTMENT AND THE SPEAKER COVER ON THE PASSENGER SIDE INTERIOR TRIM.

IF VEHICLE IS EQUIPPED WITH BOSE SOUND SYSTEM, LOCATE AND UNPLUG CONNECTOR LOCATED BEHIND PASSENGER SIDE TRIM PANEL BEFORE FULLY REMOVING PANEL FROM VEHICLE.



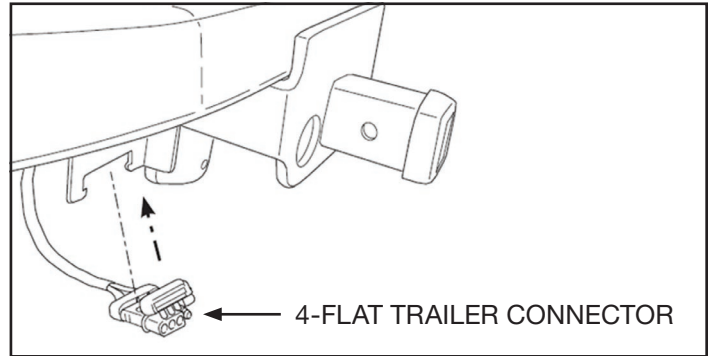
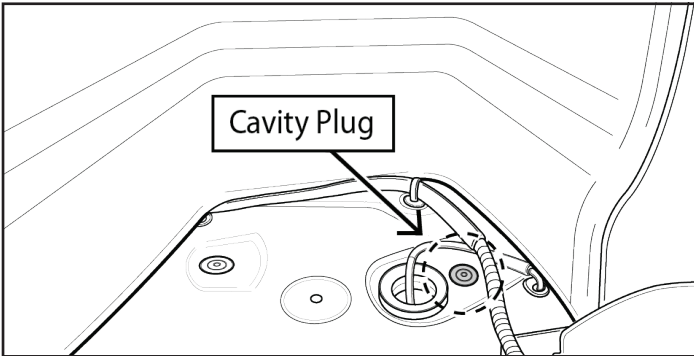
F REMOVE PASSENGER SIDE TRIM PANEL

- 4) GENTLY REMOVE PASSENGER SIDE TRIM PANEL BY PULLING AND ROTATING AWAY FROM BODY IN THE DIRECTION SHOWN.
- 5) LOCATE VEHICLE'S TRAILER TOW CONNECTOR.

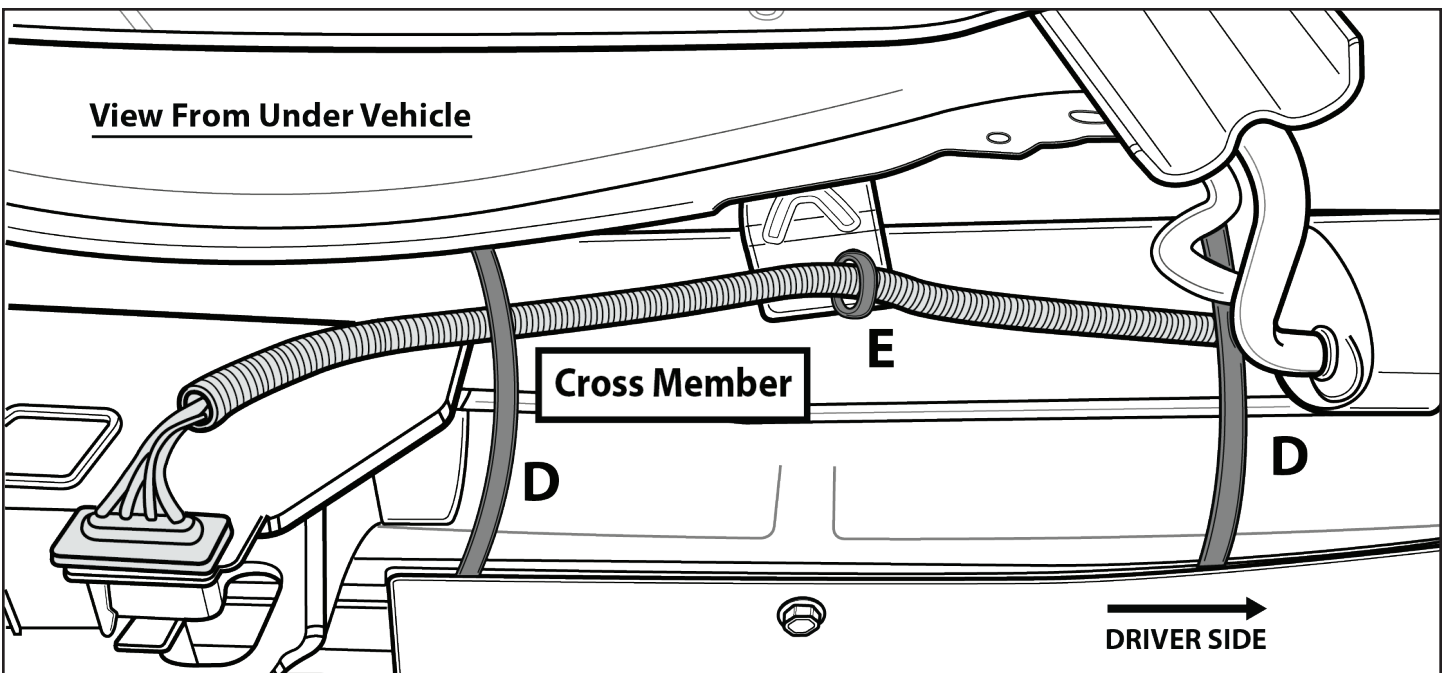
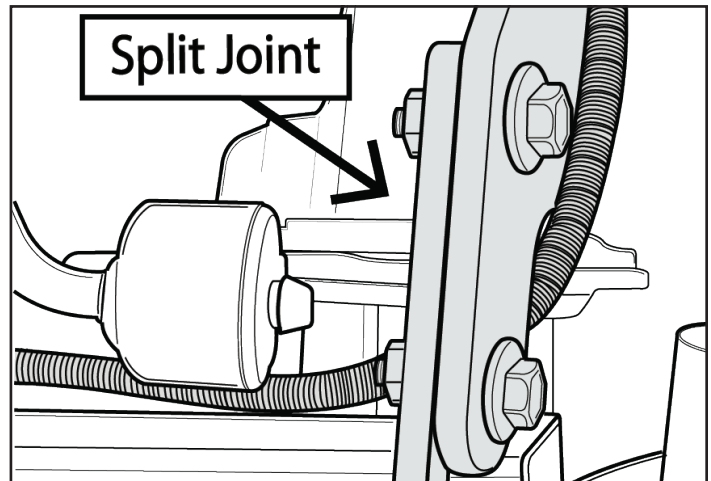


G**ROUTE 4-FLAT MOLD FROM HITCH TO INTERIOR OF VEHICLE**

- 1) LOCATE, REMOVE AND DISPOSE OF THE EXISTING CAVITY PLUG FROM THE FLOOR OF THE VEHICLE LOCATED ON THE DRIVER SIDE.
- 2) INSERT THE PROVIDED O-RING GROMMET INTO THE FLOOR CAVITY.
- 3) SECURE THE 4-FLAT TRAILER CONNECTOR INTO THE HITCH BRACKET AS ILLUSTRATED.

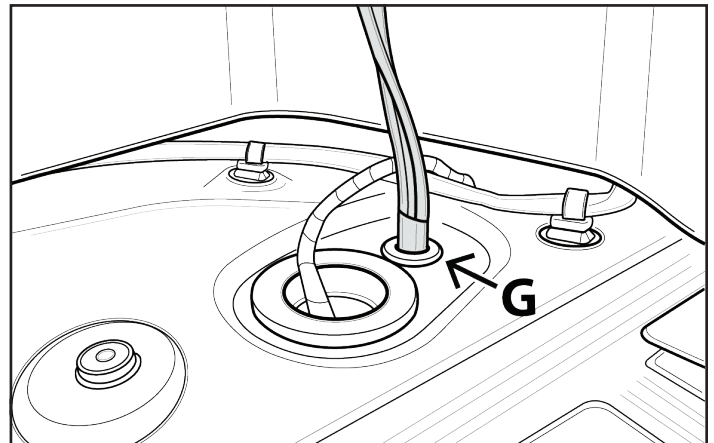
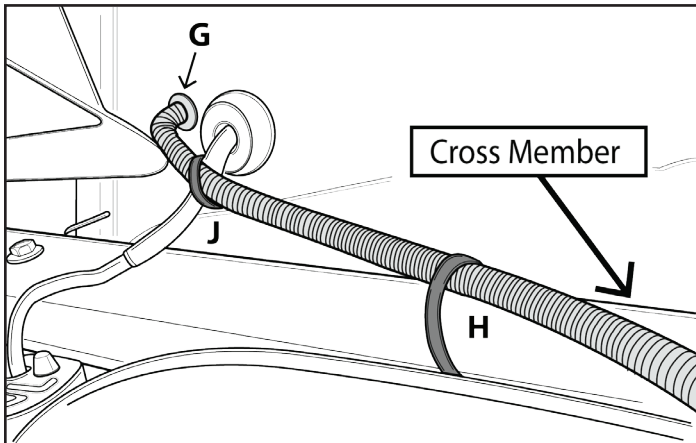
**G****ROUTE 4-FLAT MOLD FROM HITCH TO INTERIOR OF VEHICLE (CONT ON PG 8)**

- 4) ROUTE THE 4-FLAT TRAILER CONNECTOR UNDER THE VEHICLE TOWARDS DRIVER SIDE. USE TWO 15" TIE WRAPS TO SECURE TO THE CROSS MEMBER OF THE HITCH AT POINTS (D) AS SHOWN, BUT DO NOT FULLY TIGHTEN. USE ONE 6" TIE WRAP TO SECURE HARNESS TO UNUSED MOUNTING BRACKET AT POINT (E) AS SHOWN, BUT DO NOT FULLY TIGHTEN.
- 5) CONTINUE TO ROUTE HARNESS TOWARDS DRIVER SIDE AND THROUGH OPENING IN HITCH LOCATED NEAR THE SPLIT JOINT (F).

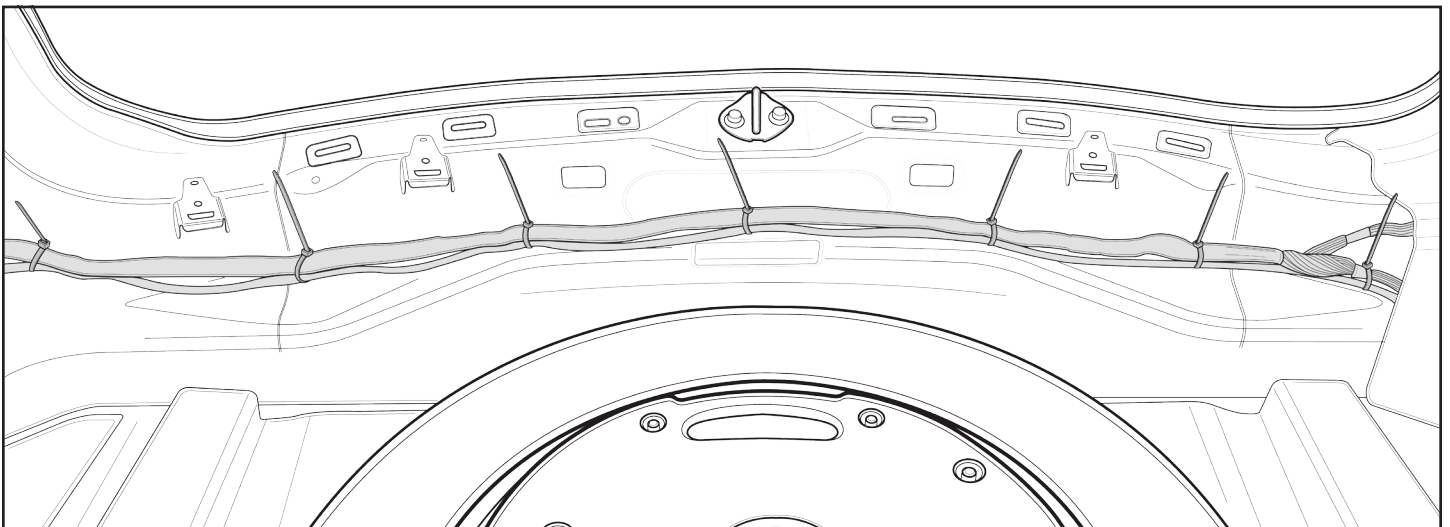
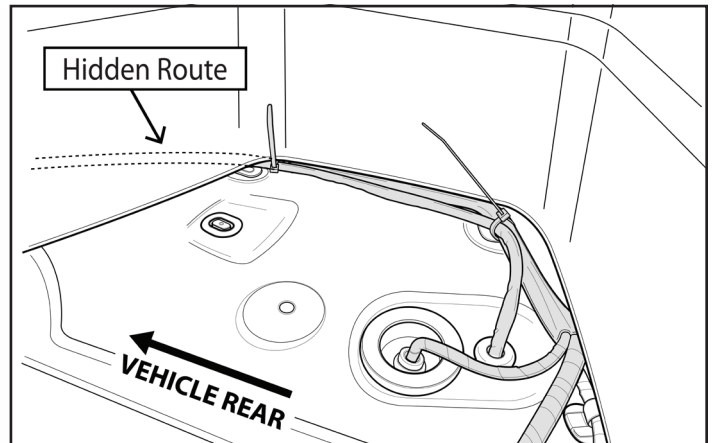


G**(CONTINUED) ROUTE 4-FLAT MOLD FROM HITCH TO INTERIOR OF VEHICLE**

- 6) ONCE THROUGH THE SPLIT JOINT, CONTINUE TO ROUTE HARNESS TOWARDS EXISTING CUTOUT IN FLOOR OF VEHICLE LOCATED ON THE DRIVER SIDE (G). ROUTE THE FOUR TERMINATED WIRES THROUGH THE NEWLY INSTALLED O-RING GROMMET. THE CONDUIT ON THE 4-FLAT WIRING HARNESS SHOULD REACH THE GROMMET.
- 7) USE ONE 15" TIE WRAP TO SECURE HARNESS TO HITCH (H) AND ONE 6" TIE WRAP TO SECURE HARNESS TO EXISTING VEHICLE HARNESS (J), BUT DO NOT FULLY TIGHTEN.
- 8) WHILE INSURING CONDUIT ON 4-FLAT MEETS GROMMET LOCATED AT FLOOR CUTOUT, TIGHTLY SECURE ALL EXTERIOR TIE WRAPS.

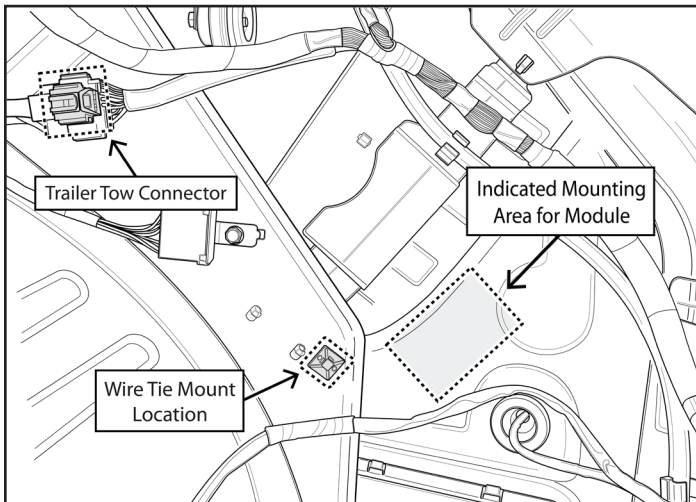
**H****INTERIOR 4-FLAT ROUTING**

- 1) ONCE HARNESS IS LOCATED INSIDE THE VEHICLE, ROUTE THE REMAINING PORTION ALONG BACK WALL OF VEHICLE IN SPARE TIRE COMPARTMENT AS SHOWN.
- 2) SECURE TO FACTORY WIRE HARNESS AT LOCATIONS INDICATED WITH (9) 6" TIE WRAPS TO THE POSITIONS SHOWN.



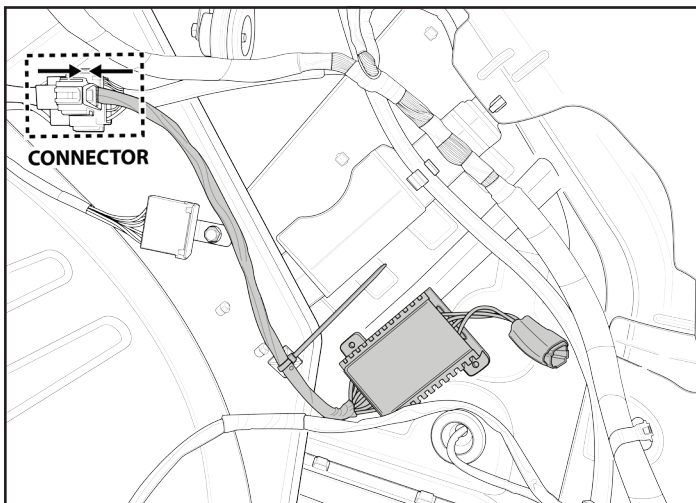
MOUNT MAIN HARNESS ASSEMBLY

- 1) CLEAN THE INDICATED WIRE TIE MOUNT AND MODULE MOUNTING AREAS BEHIND THE PASSENGER'S SIDE TRIM PANEL WITH AN ALCOHOL WIPE.
- 2) REMOVE THE ADHESIVE BACKING FROM THE CABLE TIE MOUNT AND INSTALL IN POSITION SHOWN.



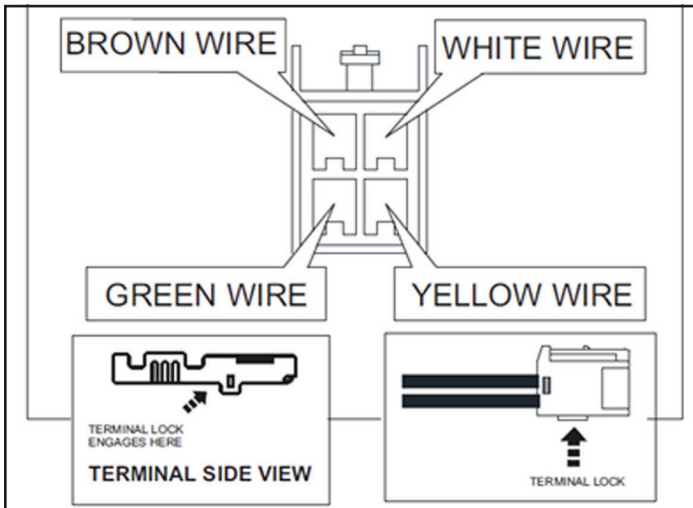
MOUNT MAIN HARNESS ASSEMBLY

- 3) INSERT THE WHITE 8-PIN CONNECTOR INTO THE FACTORY WIRE HARNESS.
- 4) REMOVE THE ADHESIVE BACKING FROM THE MAIN HARNESS'S MODULE.
- 5) SECURE THE MAIN HARNESS MODULE TO THE SIDE OF THE VEHICLE IN THE LOCATION SHOWN BY PRESSING FIRMLY DOWN ON MODULE BODY.
- 6) SECURE HARNESS TO THE WIRE TIE MOUNT USING ONE 6" TIE WRAP WHILE MAKING SURE TO KEEP HARNESS AWAY FROM VEHICLE SHARP EDGE.



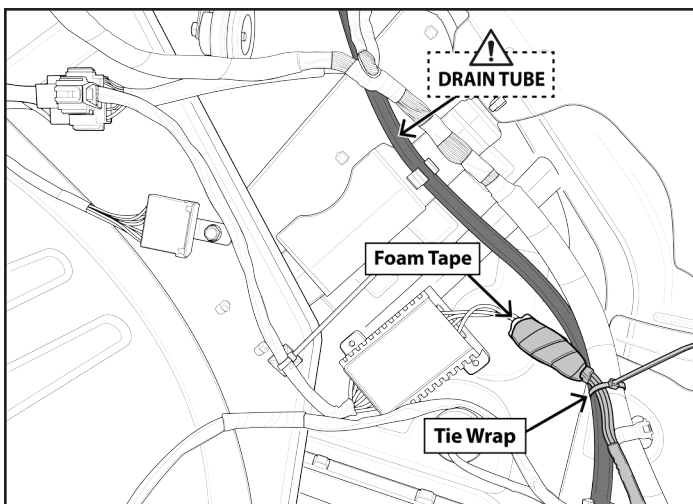
J**ATTACH CONNECTOR TO 4-FLAT HARNESS AND CONNECT TO MODULE**

- 1) INSERT THE PROVIDED FEMALE CONNECTOR WITH THE FOUR TERMINATED 4-FLAT WIRES. INSERT AS ILLUSTRATED.
- 2) FIRMLY PUSH TERMINAL LOCK INTO THE LOCKED POSITION.

**J****(CONTINUED) ATTACH CONNECTOR TO 4-FLAT HARNESS AND CONNECT TO MODULE**

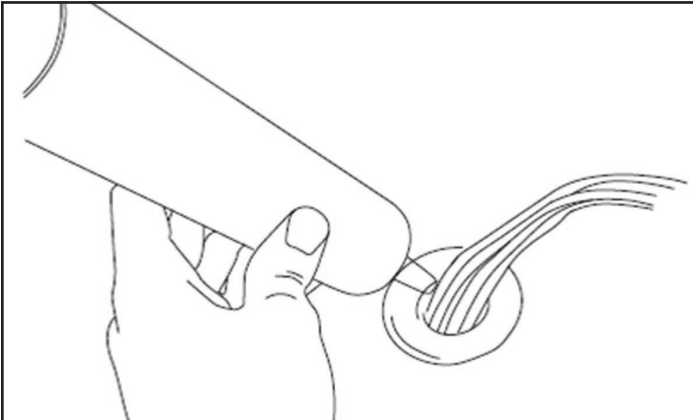
- 3) ATTACH THE 4-FLAT HARNESS CONNECTOR TO THE MODULE CONNECTOR. THE WIRES SHOULD MATCH COLOR TO COLOR AT THE CONNECTORS.
- 4) CAREFULLY WRAP THE CONNECTOR USING ONE PIECE OF FOAM TAPE TO ENSURE THE PREVENTION OF RATTLE DURING VEHICLE USE.
- 5) USE ONE ADDITIONAL 6" TIE WRAP TO SECURE HARNESS TO FACTORY WIRING HARNESS.

▲ WARNING: DO NOT SECURE ANY WIRE TIES TO WATER DRAIN TUBE.



K SEALING THE FLOOR GROMMET

- 1) SEAL THE REPLACEMENT GROMMET WITH SILICONE TO PREVENT ANY POSSIBLE WATER INTRUSION.

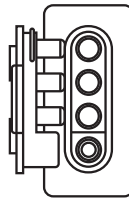
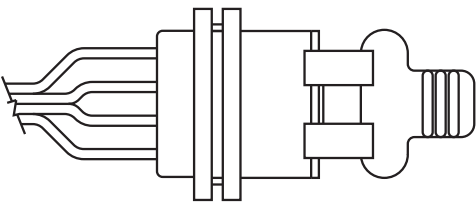


L REINSTALL ALL TRIM, TIE DOWNS AND INTERIOR PANELS

- 1) TRIM EXCESS OFF ALL TIE WRAPS.
- 2) REINSTALL ALL TRIM IN THE REVERSE ORDER OF THE REMOVAL, ENSURING ALL FASTENERS ARE PROPERLY INSTALLED.
- 3) VACUUM AND CLEAN ANY DEBRIS CAUSED BY INSTALLATION.

M CONFIRM CORRECT OPERATION

- 1) ENSURE ALL CONNECTIONS ARE COMPLETE.
- 2) USE A 12V TEST LIGHT TO CHECK EACH SIGNAL FUNCTION.
 - A) ATTACH THE GROUND LEAD TO THE MALE TRAILER CONNECTOR PIN.
 - B) VERIFY TAIL LIGHT CIRCUIT, RIGHT TURN / BRAKE AND LEFT TURN / BRAKE BY ACTIVATING EACH FUNCTION ON THE VEHICLE INDIVIDUALLY USING THE APPROPRIATE TERMINAL ON THE TRAILER CONNECTOR.



Right Turn / Stop	Green
Left Turn / Stop	Yellow
Tail	Brown
Ground	White

Inspect the installed / reinstalled parts for the following items:

Inspection Parts	Inspection Items (•)			
	Clearance and fit	Scratches, dirt and harness interference	Installation, tightening and engagement	Operation check
Tow harness functions	--	--	--	•
Tow harness	•	•	•	--
Driver-side left rear interior trim panel	--	--	•	--
Passenger-side right rear interior trim panel	•	•	•	--
Passenger-side right kick plate and rubber seal	•	•	•	--
Rear threshold plate	•	•	•	--
Rear storage compartments	•	•	•	--
Rear floor covering	•	•	•	--
Vehicle negative power cable	--	--	•	--

Notes:

1. Verify signal functionality at the trailer harness plug using the test procedure on page 11.

Caution: When the battery is disconnected, the DSC may stop operating.

(The DSC OFF indicator will flash at this time, and the TCS / DSC operation indicator will illuminate.)

1. Turn the ignition switch to 'OFF' and then turn it back to 'ON'.
2. Turn the steering wheel clockwise as far as it will go, and then turn it back counterclockwise as far as it will go.
3. Check that the TCS / DSC operation indicator is turned off.
4. Turn the ignition switch to 'OFF' and then turn it back to 'ON'.
5. Check that the TCS / DSC operation indicator is turned off. If the TCS / DSC operation indicator is still illuminated or the DSC indicator is not turned off when the ignition switch is turned back to 'ON' contact your Mazda dealer.

Caution: If the battery is disconnected, the power windows may no longer fully open or fully close automatically.

1. Turn the ignition key to the 'ON' position.
2. Press the power window switch to fully open the power windows.
3. Lift up the power window switch to fully close the power windows, and keep it pulled up for approximately two seconds.
4. Position the engine switch at 'OFF', and then at 'ON' again.
When the function doesn't work after these procedures, please contact your Mazda dealer.

Caution: If the battery is disconnected, the TPMS (Tire Pressure Monitoring System) initial setting is reset and the system may not operate normally.

1. Adjust the tire pressure (verify tire pressure using label on body side with driver's door open).
2. Turn the ignition switch to the 'ON' position.
3. Press the TPMS (SET) switch (long-press it until TPMS warning light in meter flashes two times and a beep sounds one time).
4. Turn the ignition switch to 'OFF'.
5. If the TPMS warning light illuminates or flashes even though the above procedure has been performed, contact an Authorized Mazda Dealer.

Date:	
Vehicle:	
VIN:	

Approved		Checked		Person in charge
----------	--	---------	--	---------------------

TROUBLESHOOTING GUIDE

PART NUMBER:

0000-8E-N30
0000-89-N30

APPLICABLE MODELS:

2016 > CX-9

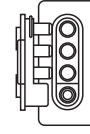
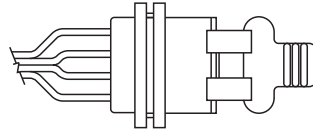
TRAILER HITCH WIRING KIT

TOOLS REQUIRED

TEST LIGHT

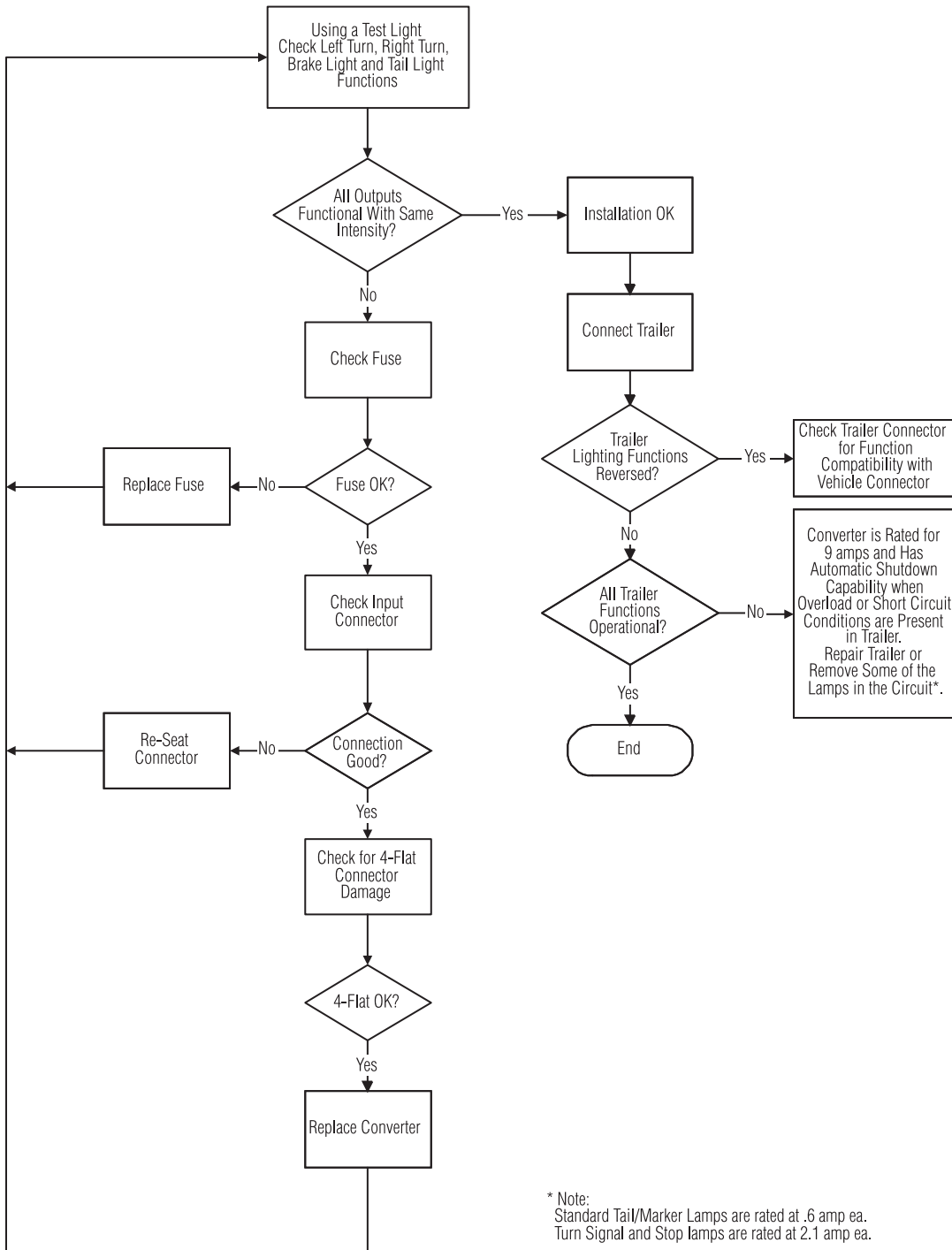
METHOD

1. Attach the test light ground connection to the male pin of the harness's 4-flat connector
2. Probe each of the female pins individually to confirm correct circuit operation



Right Turn / Stop
Left Turn / Stop
Tail
Ground

Green
Yellow
Brown
White



* Note:
Standard Tail/Marker Lamps are rated at .6 amp ea.
Turn Signal and Stop lamps are rated at 2.1 amp ea.