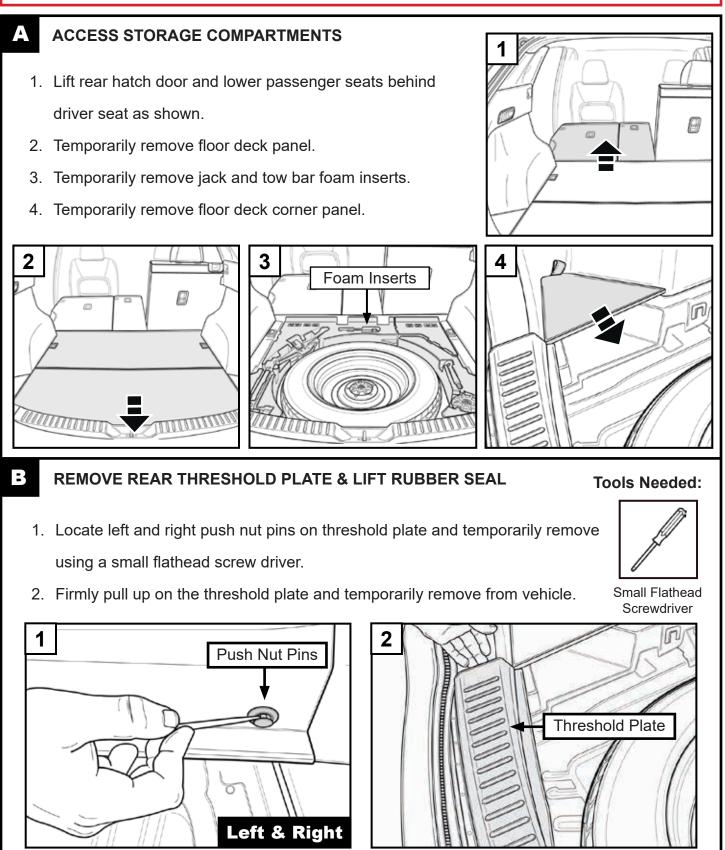


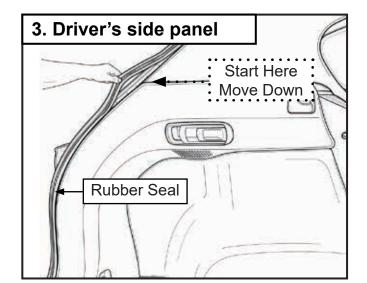
INSTALLATION ALERT

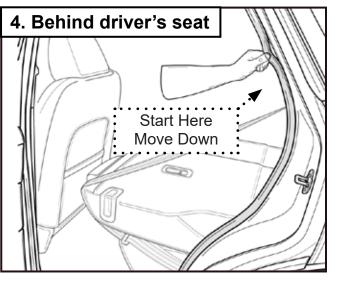
The following installation instructions apply to both gas and diesel CX-5 models. However, due to the difference in exhaust layout between the two models, the 50mm measurement on page 7 does not apply to the diesel models. All other steps are to be performed per the instructions; including the removal of all slack when routing harness.



Continues on next page

- 3. Temporarily lift away rubber seal along rear hatch as shown.
- 4. Temporarily lift away rubber seal along passenger door, behind driver's seat.





C ACCESS WIRE HARNESS BEHIND DRIVER' SIDE TRIM PANEL

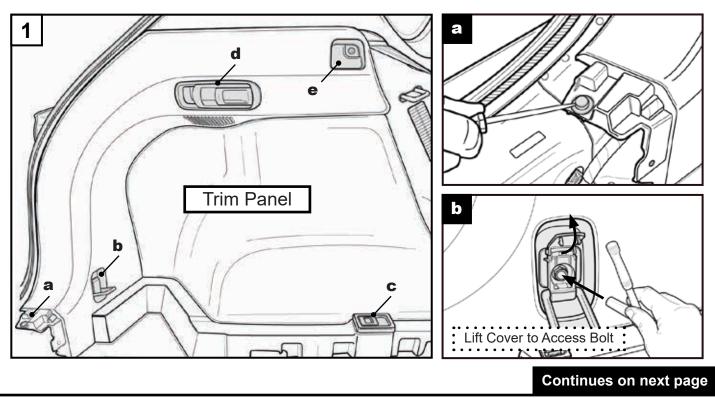
- Locate driver's side interior trim panel and follow sequence to remove. (a-b-c-d-e)
- **a.)** Temporarily remove push nut pin of trim panel using a small flathead screwdriver for sequence (a).

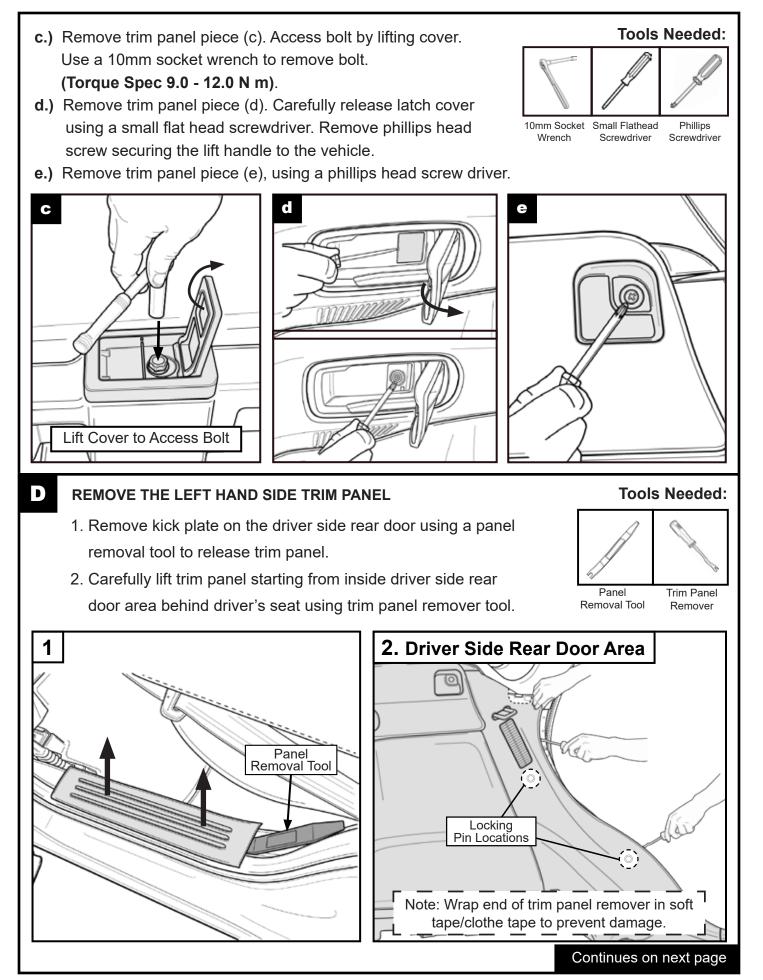


Tools Needed:

Small Flathead 10mm Socket Screwdriver Wrench

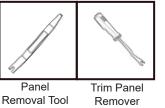
b.) Remove trim panel piece (b). Lift cover to access bolt and remove using a 10mm socket wrench. (Torque Spec 9.0 - 12.0 N·m).

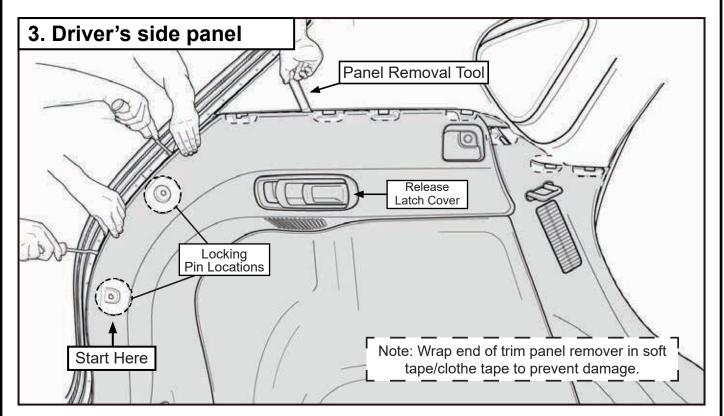




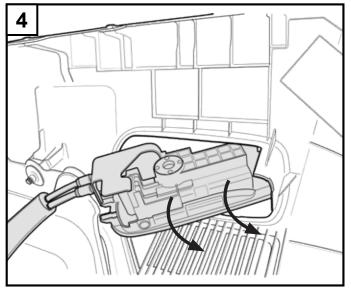
 Use trim panel remover tool to disengage two locking pin locations along trim panel side. Revert to the panel removal tool to disengage locking pin locations along top portion of trim panel.

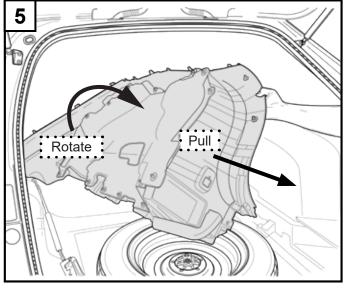
Tools Needed:

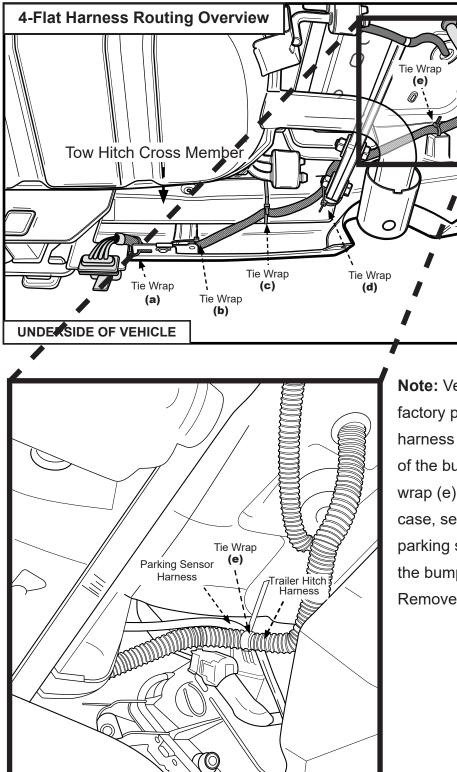




- 4. Push forward, rotate, and pull out the release latch cover through trim panel opening and set aside.
- 5. Temporarily remove trim panel from vehicle using a rotating and pulling motion as shown in image.







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Tape Measure



Wire Cutters

Note: Vehicles equipped with factory parking sensors will have a harness mounted on the rear side of the bumper deflector where tie wrap (e) would otherwise go. In this case, secure trailer harness to the parking sensor harness right above the bumper deflector mounting point. Remove all slack.

CRITICAL GAS MODELS ONLY

Due to the extreme high temperatures produced by the exhaust, a minimum clearance of 50mm <u>must</u> be maintained between exhaust and harness. Failure to do so will result in severe damage to harness and loss of trailer functions, such as brake light and turn signal lights.

1. After performing Step 2, verify that a minimum of 50mm has been achieved between exhaust and harness. If not, remove tie wrap and repeat Step 2 above using a new tie wrap. If 50mm has been achieved, move on to Step 3.



See Caution prior

to performing step.

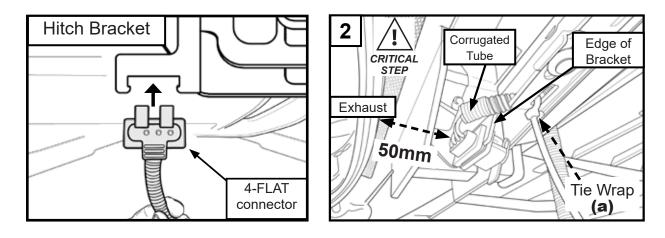
Critical Step:

CRITICAL STEP

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STEP

2. Secure the 4-FLAT trailer connector into the hitch bracket as shown. Route the wiring towards the cutout located on the bumper fascia mount (a). Use a large tie wrap to fully secure the wire harness ensuring a 50mm clearance (gas models only) from any and all exhaust surfaces closest to the harness as shown in the measurement photo and make sure to remove all slack. It's important that the corrugated tube is outed over the edge of the bracket for protection.

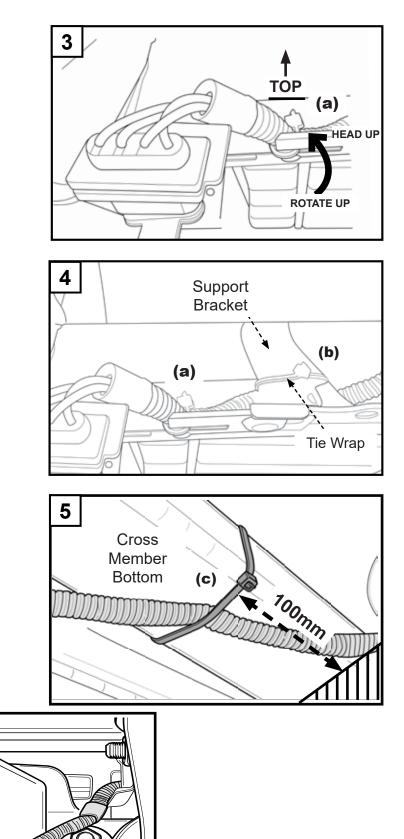


It's important that the corrugated tube is routed over the edge of the bracket for protection. Damage to harness may occur otherwise.

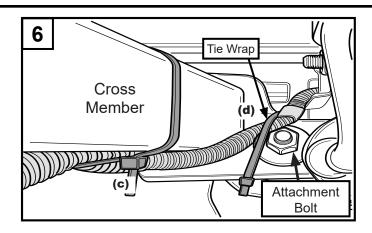
 After verifying 50mm clearance, trim the tie wrap using the wire cutters and rotate the tie wrap head up so it is not visible from the rear of the vehicle to avoid injury.

- 4. Route the harness behind fascia support bracket making sure the harness is routed between the bumper fascia and bracket (b). Use a large tie wrap to secure the harness to the fascia. Tighten the tie wrap and trim the tie wrap tail with wire cutters.
- 5. Use a large tie wrap (c) to secure the harness to the <u>bottom</u> of the cross member of the hitch. Tie wrap should be located 100mm from cross member end. Remove all slack, tighten the tie wrap and trim the tie wrap tail with wire cutters.

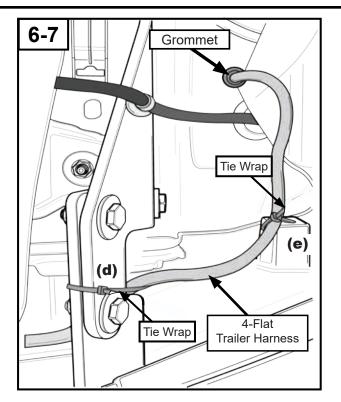
5



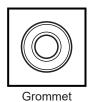
(c)

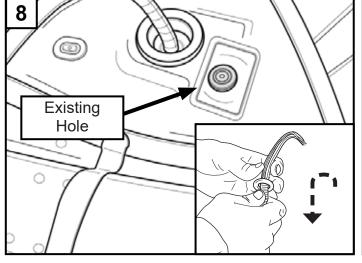


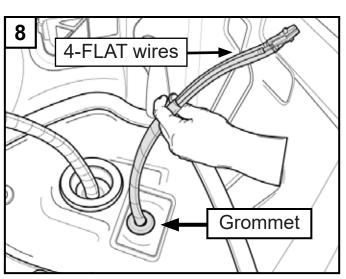
6. Route the harness near the rear most hitch attachment bolt (d). Use a large tie wrap to secure the harness to the hitch attachment bracket. Remove all slack, tighten the tie wrap and trim the tail using wire cutters.



- 7. Route the harness to the wire attachment point near the grommet. This is located on the rear side of the bumper deflector (e). Use a large tie wrap to secure the harness to the attachment point. Remove all slack, tighten the tie wrap and trim the tie wrap tail using wire cutters. <u>Refer to note on page 6 if mounting location (e) is not</u> <u>available due to an existing vehicle harness.</u> Tools Needed:
- 8. Remove and dispose of the existing cavity plug from floor of vehicle. Route the four terminated wires through the exposed opening. Use care to prevent any damage being done to wires. Slide the supplied grommet over the four terminated wires and seat the grommet into the vehicle opening.





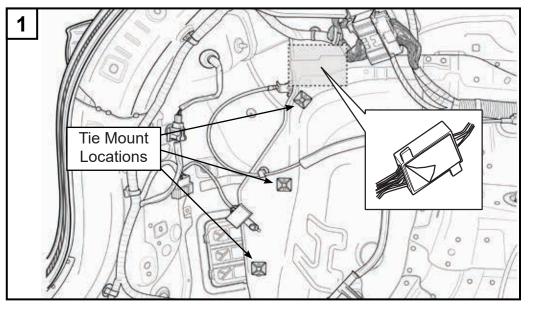


MOUNT MAIN HARNESS & CONNECT 4-FLAT HARNESS TO MODULE

 Clean the indicated wire tie mount and module mounting areas behind the driver's side trim panel with an alcohol wipe. Remove adhesive backing on module and tie mounts. Mount wire harness module and three tie mounts to specified locations.

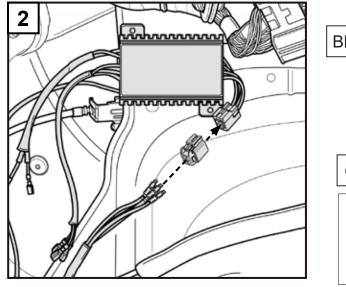


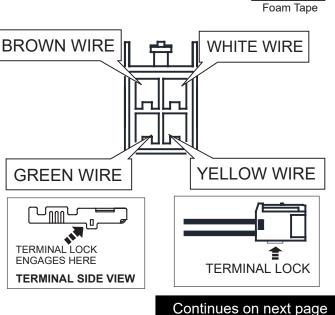




 Insert the provided female connector to the four terminated wires. Firmly push terminal lock into the locked position.

Attach the 4-Flat harness connector to the module connector. The wires should match color to color at the connectors. (reference illustration).





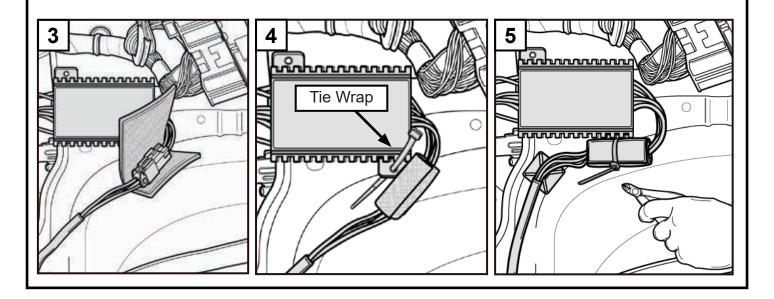
Tie Wrap

Female

Connector

Wire Cutters

- 3. Use one piece of foam tape to protect connectors and to prevent rattle.
- 4. Use a tie wrap to secure connectors wrapped in foam tape to the main harness's mounting component as shown.
- 5. Cut excess tie wrap used in prior step with wire cutters.

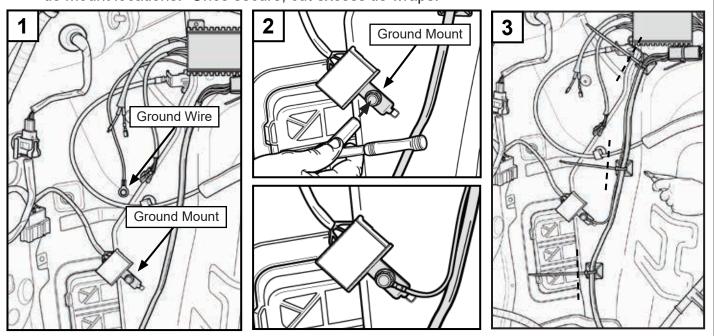


G MOUNT GROUND WIRE

- 1. Locate ground mount and ground wire connection.
- Remove the existing ground mount bolt using a 10mm socket wrench. Route the black ground wire from the main harness module to the bolt location and tighten. (Torque bolt to 7 N m)

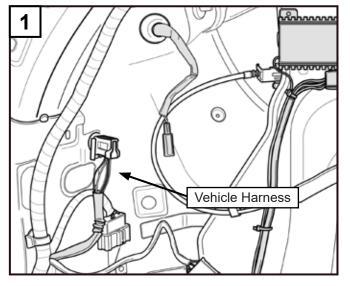


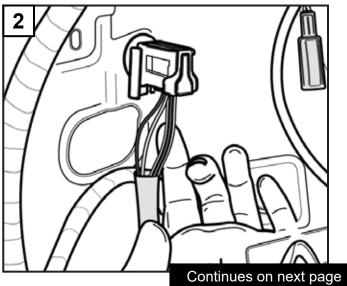
3. Gently pull up on 4-Flat harness until corrugated portion on harness makes contact with grommet on external portion of vehicle. While making sure corrugated tube is in contact with grommet, use three tie wraps to secure 4-Flat harness and ground wire to the three tie mount locations. Once secure, cut excess tie wraps.



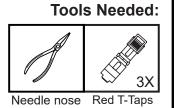
ACCESS VEHICLE HARNESS & CONNECT WIRE TAPS TO VEHICLE HARNESS

- 1. Locate vehicle harness and unplug connection.
- 2. Expose vehicle harness wires by pulling back rubber casing sleeve.



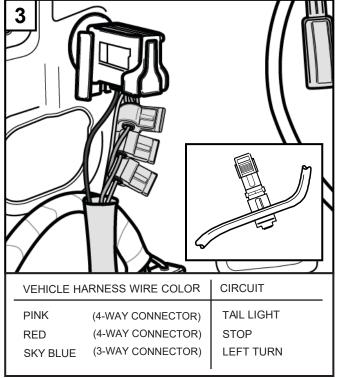


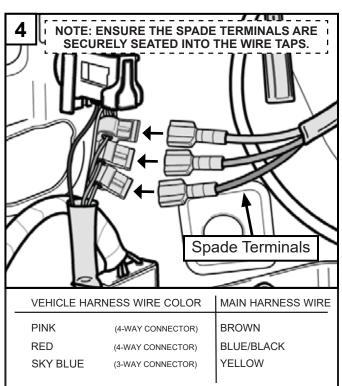
3. Connect wire taps to vehicle harness on driver side. Locate and i identify the tail light (PINK), left turn signal (SKY BLUE), and stop wire (RED), behind the driver's side light. Attach a red T-tap to each of the indicated wires.

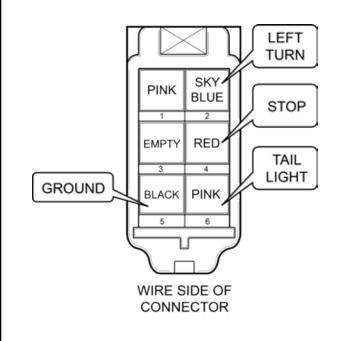


pliers

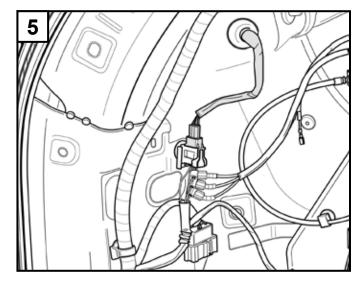
- (a) place wire into the center jaw of the wire T-Tap splice.
- (b) fold wire tap around wire.
- (c) Squeeze tightly together with pliers, making a secure connection.
- 4. Connect main harness spade terminals to wire taps (Use chart for reference).





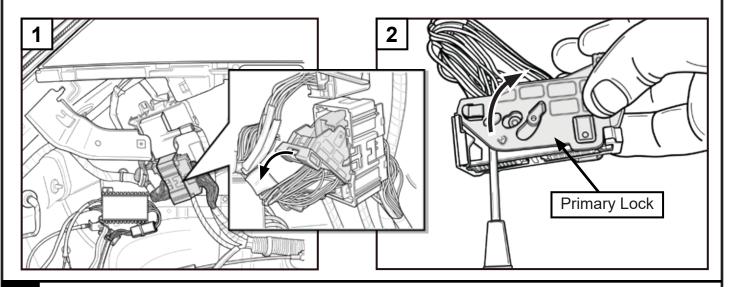


5. Plug the wire harness connection back in.



REMOVE PRIMARY LOCK ON REAR JUNCTION CONNECTOR

- 1. Disconnect the rear junction connector by pushing down on the black primary lock and tilting back to release. **Once connector is free, lock must be re-turned to its closed position before removing.**
- 2. Remove black primary lock by using a small flathead screwdriver to pry and carefully lift the lock on both mating sides.



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DISENGAGE SECONDARY LOCK & INSERT RED POWER WIRE

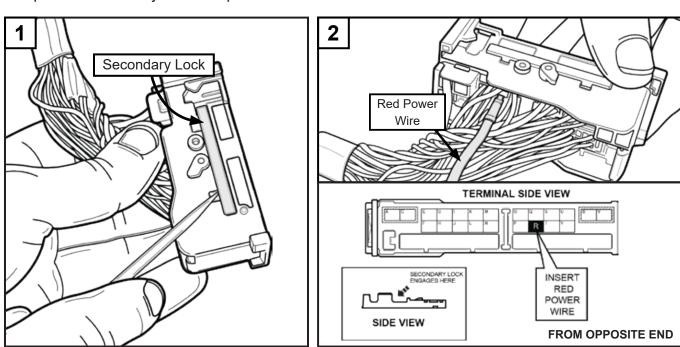
- 1. Disengage secondary lock on rear junction connector by carefully using a small flathead screwdriver or terminal removal pick tool.
- Small Flathead Screwdriver

Tools Needed:

Tools Needed:

Small Flathead Screwdriver

2. Route the red power wire to the rear junction connector. Locate proper cavity to be populated (see illustration). Once terminal is properly engaged in connector, squeeze secondary lock into place.

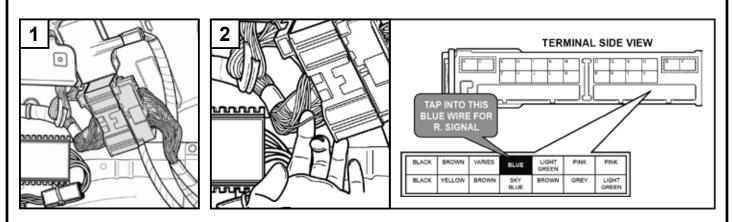


REASSEMBLE REAR JUNCTION CONNECTOR & REMAINING T-TAP WIRE

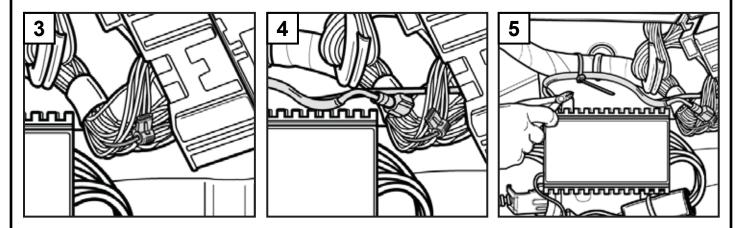
Tools Needed:

 Reassemble and insert rear junction connector back in place. Visually check to confirm the secondary lock has re-engaged and place the black primary lock back on the connector. Tie Wrap Red T-Tap Wire Cutters

2. Locate **BLUE** wire on rear junction connector for T-Tap connection.

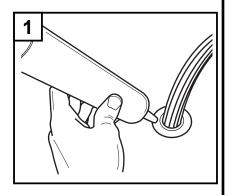


- 3. Use a T-Tap on **BLUE** wire of the rear junction connector.
- 4. Snap in remaining green main harness wire to T-Tap connection.
- 5. Tie wrap green main harness wire onto cable above main harness and cut excess tie wrap.



FINISHING STEPS

- 1. Seal the replacement grommet with silicon to prevent any possible water instrusion.
- 2. Reinstall all trim, tie downs and interior panels in reverse order of removal, ensuring all fasteners are properly installed.
- 3. Clean vehicle.
- 4. Vacuum and clean any debris caused by installation.
- 5. Place installation instructions int he glove box of vehicle.
- 6. Connect negative (-) battery terminal.



TROUBLESHOOTING GUIDE

PART NUMBER: 0000-8E-R13 0000-8E-R33

TRAILER HITCH WIRING KIT

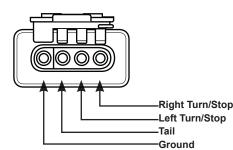
APPLICABLE MODELS: 2017 > CX-5 (GAS 2.5L) 2017 > CX-5 (DIESEL)

TOOLS REQUIRED

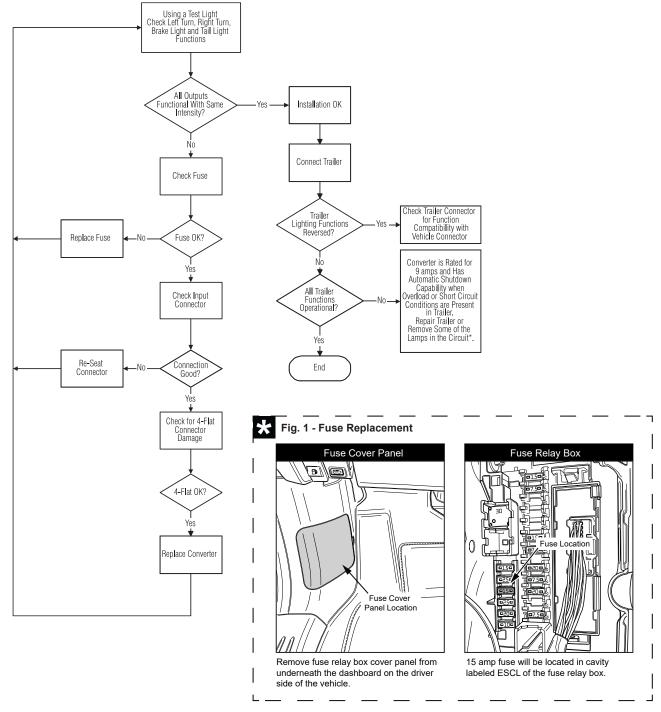
TEST LIGHT

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.



Green Yellow Brown White



PART NUMBER: 0000-8E-R13 0000-8E-R33

TRAILER HITCH WIRING KIT

APPLICABLE MODELS: 2017 > CX-5 (GAS 2.5L) 2017 > CX-5 (DIESEL)

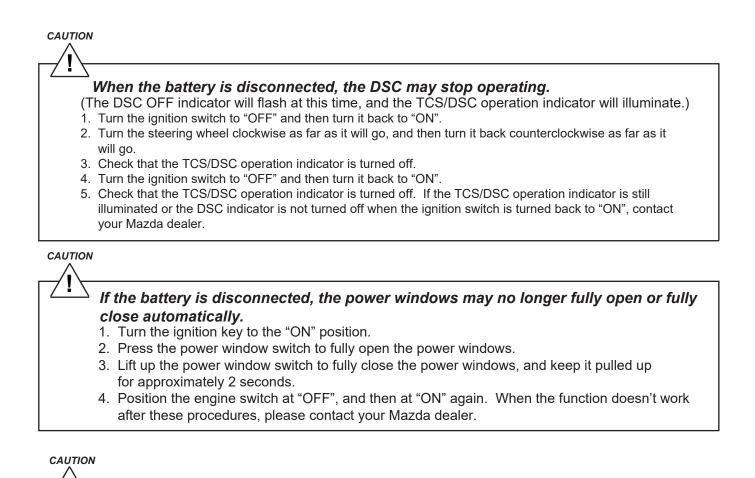
Inspect the installed / reinstalled parts for the following items:

	Inspection Parts	Clearance/Fit	Scratches/Dirt/ Harness Interference	Installation/ Tightening/ Engagement	Operation Check
CRITICAL STEP	50mm Between Exhaust & Harness (Gas models only)	•	٠	•	
	Tow Harness Functions				•
	Tow Harness	•	•	٠	
	Tow Harness Module Ground Screw			٠	
	Driver's Side Left Rear Interior Trim Panel	•	٠	٠	
	Passenger Side Right Rear Interior Trim Panel	•	•	•	
	Rear Threshold Plate	•	•	•	
	Rear Foam Inserts	•	•	•	
	Rear Floor Covering	•	•	•	
	Vehicle Negative Power Cable			•	
	4-FLAT Harness	•		•	

Notes:

1. Verify signal functionality at the trailer harness plug using test procedure on page 16.

2. Ensure tow harness module ground bolt is torqued to 7.0 N•m.



Gas models only

Due to the extreme high temperatures produced by the exhaust, a minimum clearance of 50mm must be maintained between exhaust and harness. Failure to do so will result in severe damage to harness and loss of trailer functions, such as brake lights and turn signal lights.

1. After performing Step 2 on page 7, verify that a minimum of 50mm has been achieved between exhaust and harness. If not, remove tie wrap and repeat Step 2 using a new tie wrap. If 50mm has been achieved, move on to Step 3.

Date									
Vehicle									
VIN									
Approved		Checked		Person in Charge					