

Genuine Accessories



Vehicle Model: Tucson

Model Year 2025~

Part No. CWF67 AC000

Language English

Rev. Date 8/14/2025

Accessory: Tow Hitch Harness

Difficulty: (B)

Note: Difficulty stated above reflects the minimum level of expertise required to install the accessory:

- (A) Customer
- (B) Dealer Technician
- (C) Master Technician or Specialist

Electronic Installation Instructions



If this is a printed copy of the installation instructions, ensure you have the latest revision by scanning the QR code or by entering the website address listed below before beginning installation. Use the latest revision date as noted by "Rev. Date" above.

www.hyundaiaccessories.com/admin_media_uploads/installationSheets/cwf67_ac000.pdf

Application Notes

Tow Hitch must be installed prior to Tow Hitch Harness

Instructional Symbols / Definitions



Denotes warnings that may lead to serious physical injury or vehicle damage



Denotes quality processes to be checked prior to moving to the next step

Denotes personal protective equipment (PPEs) that may be required for a step. Examples of safety equipment icons noted below:



Denotes cautions to be taken to avoid physical injury or electronic component damage



Denotes specific tools that are necessary to complete a step



Glasses



Gloves



Denotes cautions to be taken to avoid vehicle and component damage

NOTE

Denotes important information to be reviewed during the step



Mask

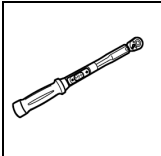


Hearing Protection

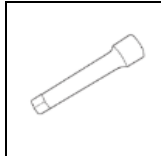
Basic Required Tools



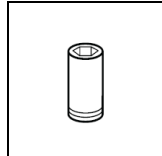
Ratchet



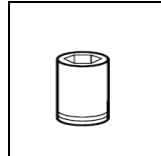
Torque Wrench



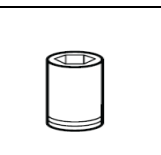
Extension



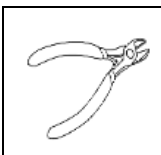
3/8" Deep-Well Socket



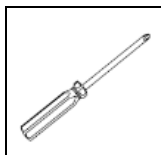
10mm Socket



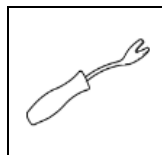
12mm Socket



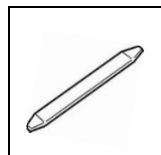
Wire Cutter



#2 Phillips Screwdriver

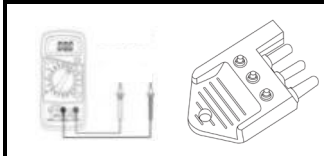


Clip Removal Tool

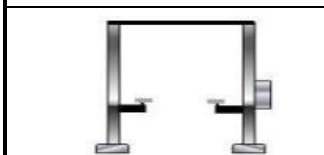


Trim Removal Tool

Specialty Required Tools



12V Tester / Volt Meter OR 4-Way Tester



Vehicle Lift

Part Weight (Gross)

1.49

lbs

0.68

kg

FMVSS 110 Compliance Information

All dealers must determine if the Net weight they have added in the form of all options or accessories, when added to the weight of all Port/Dealer Installed options or accessories, exceeds the lesser of 1.5% of GVWR or 100 lbs. If the additional weight does exceed the lesser of the indicated thresholds, a "Load Carrying Capacity Reduced" label must be installed. A black, fine-point, indelible marker must be used to write by hand onto the label, the reduced carrying capacity in kilograms or pounds, which is the total weight of all added options and accessories.

Load Label Part Number: NP070 - 09003

Notes to the installer:

- 1) Read the entire Installation Instructions prior to beginning the installation of this accessory.
- 2) If applicable, scan the barcode label located on the accessory part or packaging prior to installing, to register the part. If this accessory is installed as a replacement, register the removal of the old part before registering the new part. Old and new parts will have different barcode data, and the old registration cannot be reused.
- 3) Make sure the vehicle is completely clean and dry in the area(s) the part is to be installed.
- 4) Ensure the vehicle is properly protected in the area(s) that the accessory is to be installed.
- 5) NEVER place tools on painted surfaces, seating surfaces, dash pad, console or floor carpet/mats.
- 6) Always wear appropriate personal protective equipment, including gloves, safety glasses, etc., when required.
- 7) Roll down the driver's window and adjust the power seats (if applicable) prior to disconnecting battery power, if needed.
- 8) Record radio presets prior to disconnecting battery power, if needed.
- 9) **Vehicle should be at room temperature.**

Revision Date

08/14/2025

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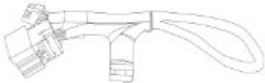
Kit Overview

1



Sub P/No: R5F67 AC110

2



Sub P/No: CWF67 AC130

3



Sub P/No: CWF67 AC230

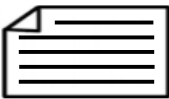
4



5



6



No.	Qty	Description	No.	Qty	Description
1	1	Control Module	4	1	Control Module Bracket
2	1	Input Harness	5	1	Caution Card
3	1	Output Harness	6	1	Notice Card

Hardware Overview

A		B		C	
9	Wire Tie*	2	Wire Tie (Large)*	1	Foam Tape

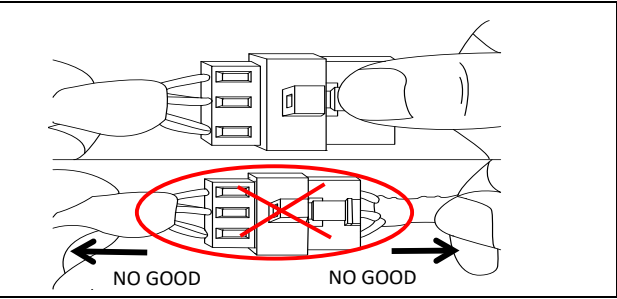
* Indicates extra components intentionally included in kit as spares.
Follow instructions for proper placement of each component.

Hardware Total
12

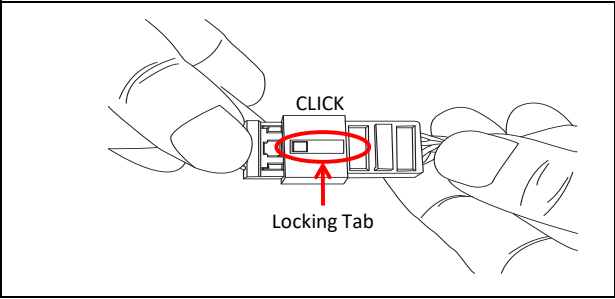
Radio Presets - record customer preset frequencies if disconnecting battery power

FM1	_____	FM2	_____	FM3	_____	FM4	_____	FM5	_____
FM6	_____	FM7	_____	FM8	_____	FM9	_____	FM10	_____
AM1	_____	AM2	_____	AM3	_____	AM4	_____	AM5	_____
SAT1	_____	SAT2	_____	SAT3	_____	SAT4	_____	SAT5	_____

Special Instructions



Disconnecting Connectors
When disconnecting connectors, grasp the connectors, not the wire.



Locking Connectors
When locking connectors, listen for a click indicating they are securely locked.

Tow Hitch Harness Locations (For Reference):

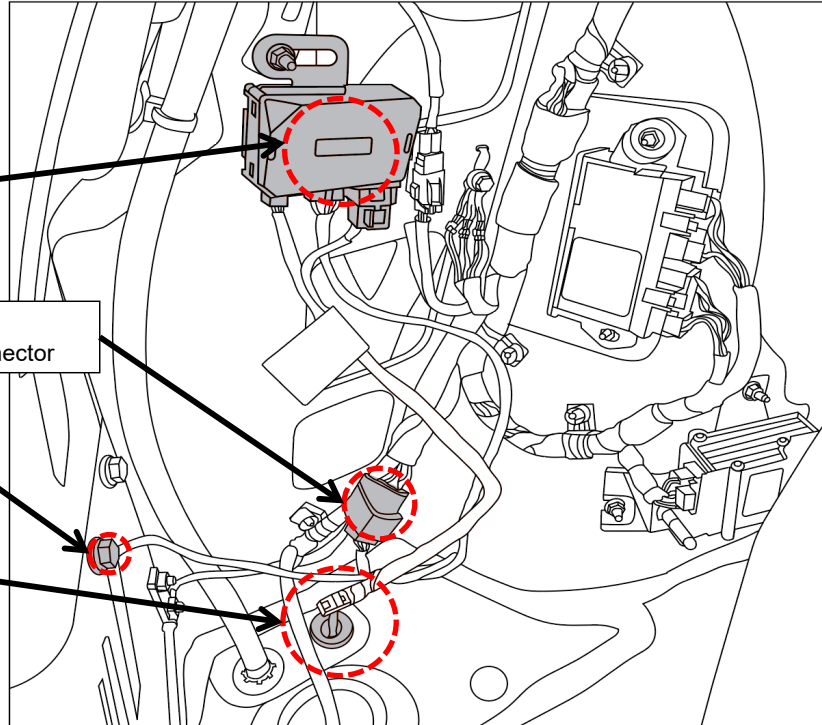
Left side Luggage Compartment

Step 13
Control Module

Step 16
8-Pin Factory Prepared Connector

Step 14 & 15
Ground

Step 6 & 10
Routing Hole

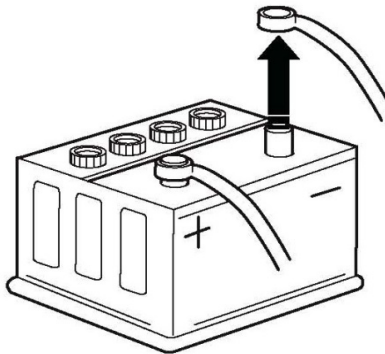


1

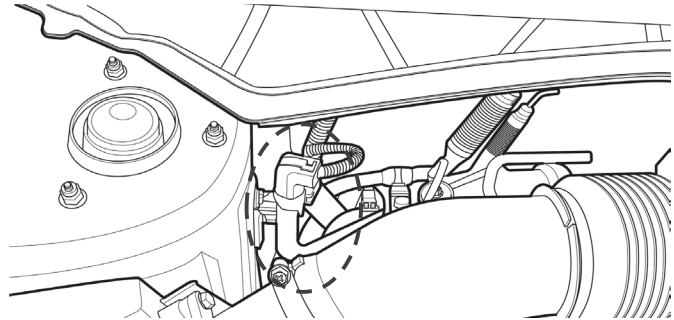


Vehicle Lift, Ratchet, 10mm Socket and Extension

I.C.E. & PHEV Models



HEV Models

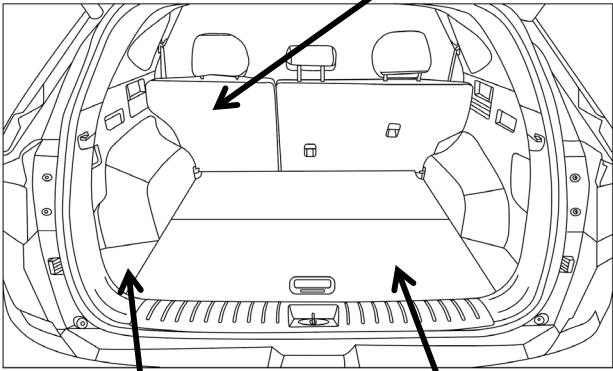


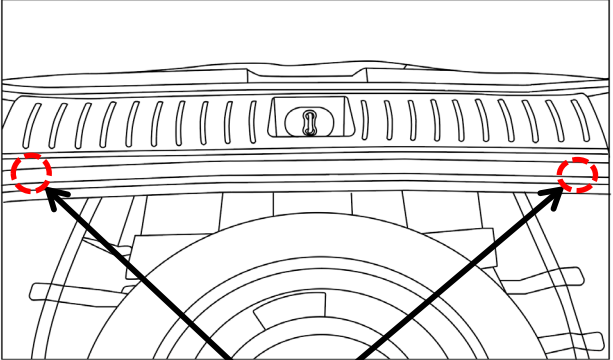
N
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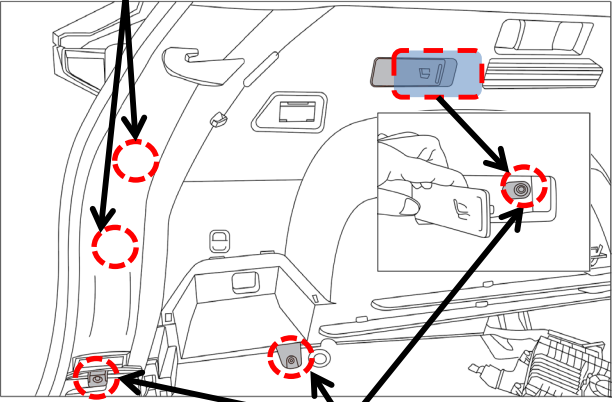
- A. Position the vehicle on a vehicle lift. Do **NOT** raise vehicle at this time.
- B. Record any pre-set radio stations (if applicable).
- C. Lower driver's front window.
- D. Open tailgate.
- E. Open the hood.
- F. **For HEV models;** disconnect and isolate the 12V Circuit Connector located on the passenger's side near the firewall and shock tower.
- G. **For I.C.E. and PHEV models;** remove negative (-) battery terminal cover, if applicable, and disconnect & isolate vehicle's negative (-) battery cable.

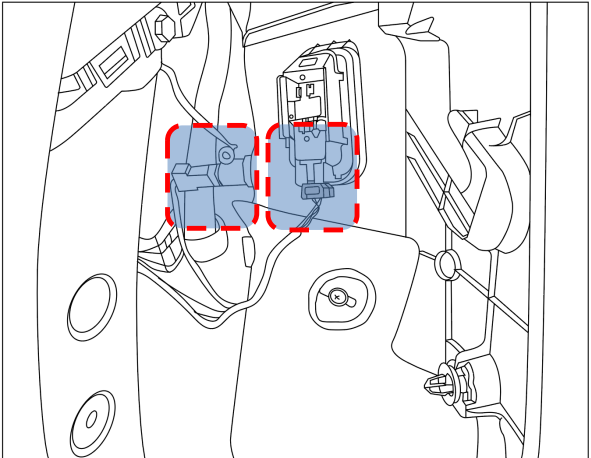


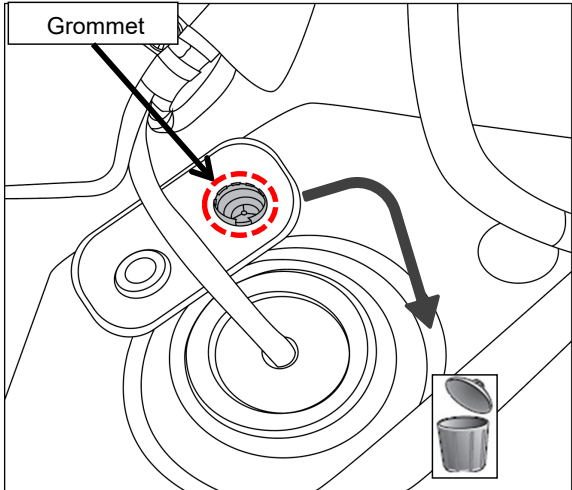
WARNING: Shock Hazard. Do not touch vehicle's negative battery cable to the vehicle's positive battery cable. Serious injury and damage to the vehicle may occur.
WARNING: Comply with vehicle lift manufacture's instructions and safety when using the lift.

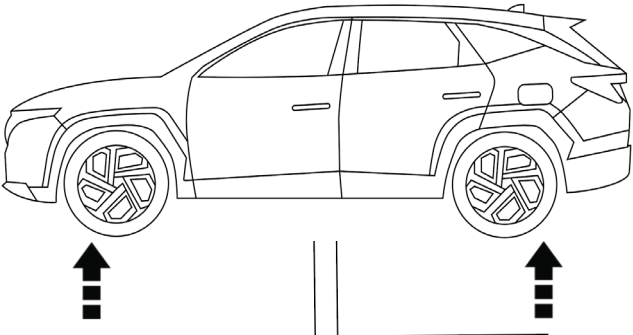
2		
		
NOTE A. Fold the left second row rear seatback forward. B. If equipped, remove cargo cover and store it in a safe location for reinstallation. C. Remove the luggage board, left side luggage panel and the foam tray underneath the luggage board then, store them a safe location for reinstallation.		
Caution! Do not scratch or damage any vehicle components.		

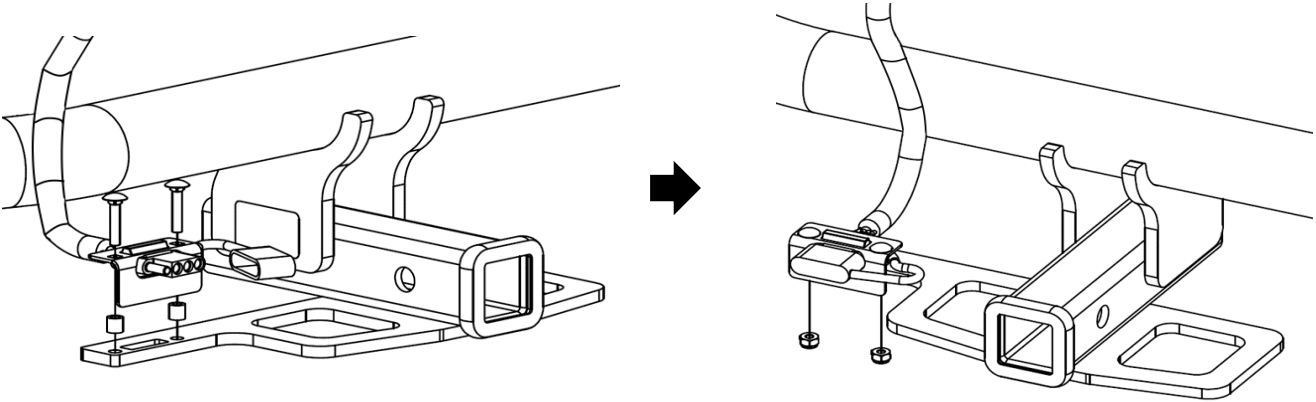
3		Trim Removal Tool
		
NOTE A. Remove the two (2) plastic push clips from the transverse panel and set the clips aside for reinstallation. B. Slightly pull back on the weatherstrip from the transverse panel area. NOTE: Do NOT fully dislodge the weatherstrip. C. Carefully pull up on the transverse panel to dislodge and store it in a safe location for reinstallation. D. Temporarily reinstall weatherstrip.		
Caution! Do not scratch or damage any vehicle components.		

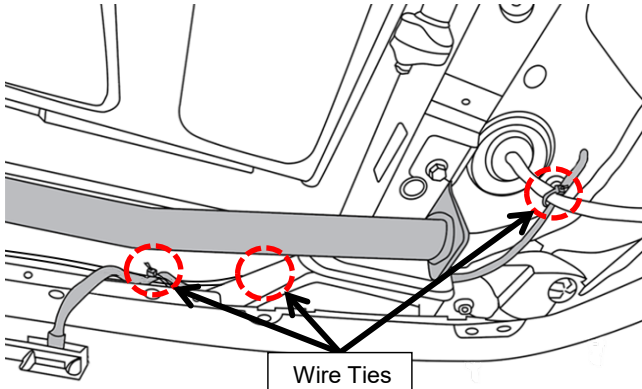
4		Trim Removal Tool and #2 Phillips Screwdriver
		
NOTE A. Remove the three (3) screws securing the left luggage trim panel shown above. Place screws in a safe location for reinstallation. B. Pull the weatherstrip slightly away from the left luggage trim panel. NOTE: Do NOT fully dislodge the weatherstrip. C. Carefully dislodge the left luggage trim panel at tailgate area. NOTE: Do NOT completely remove the left luggage trim panel from the vehicle. Ensure the panel is not overly forced inboard as damage may occur to the panel. D. Temporarily reinstall weatherstrip.		
Caution! Do not scratch or damage any vehicle components.		

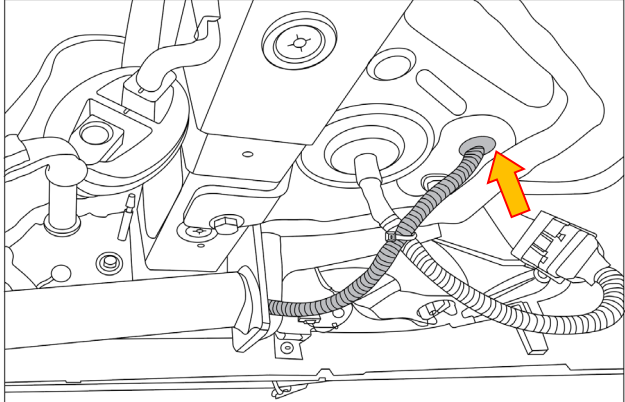
5		
		
NOTE A. Reach behind the left luggage trim panel and disconnect the two (2) connectors shown above. NOTE: Ensure the panel is not overly forced inboard as damage may occur to the panel.		
Caution! Do not scratch or damage any vehicle components.		

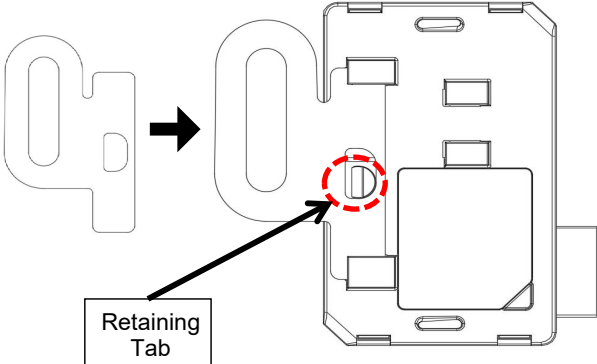
6		Trim Removal Tool
		
N O T E	A. Remove and discard the factory rubber grommet shown above.	

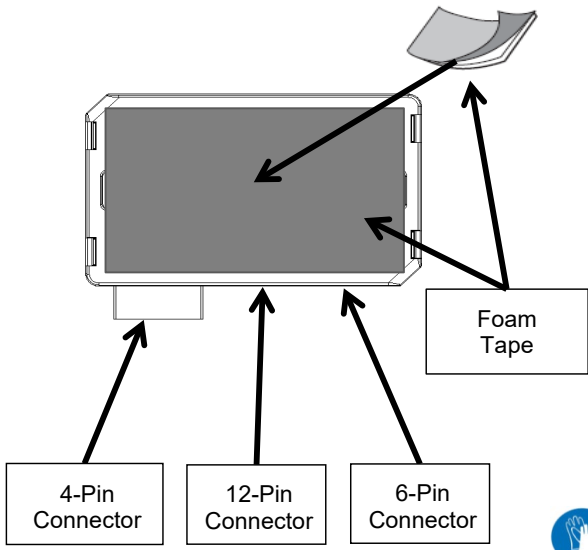
7		Vehicle Lift
		
N O T E	A. Raise vehicle to desired working height to access the under body at the rear bumper.	
	WARNING: Comply with vehicle lift manufacture's instructions and safety when using the lift.	

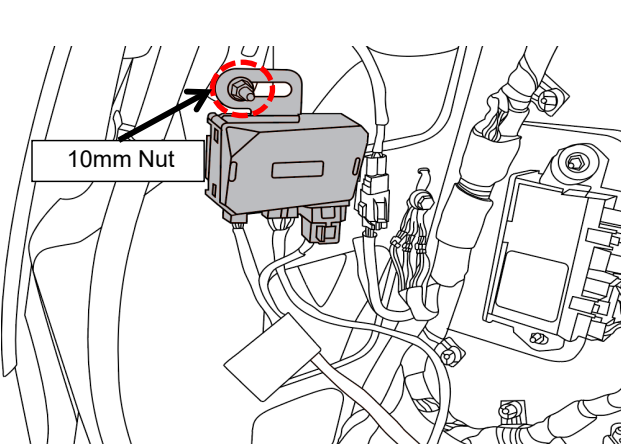
8		Torque Wrench, Ratchet, Extension and 3/8" Socket
		
N O T E	A. Insert the Tow Hitch Harness 4-Flat Connector through back side of the 4-Flat Connector Bracket (included with the tow hitch), as shown.	
	B. Place two (2) #10 carriage bolts (included with the tow hitch), through the top of the 4-Flat Connector Bracket and install two (2) #10 spacers (included with the tow hitch), as shown.	
	C. Make sure the Ground Pin is positioned towards the driver's side of the vehicle.	
	D. Place the 4-Flat connector and bracket assembly through the hitch bracket so the larger forward detent is located in the rectangular slot in the hitch plate.	
	E. Thread two (2) #10 nylock hex nuts (included with the tow hitch), to secure the connector bracket to the hitch and torque to: 1.36 N·m (0.14 kgf-m, 12.00 lbf-in).	
	NOTE: Make sure the bracket is in the orientation shown above and aligned squarely on the hitch connector bracket.	
F. Secure the Dust Cover over the 4-Flat connector.		
Do NOT over-torque the hardware.		

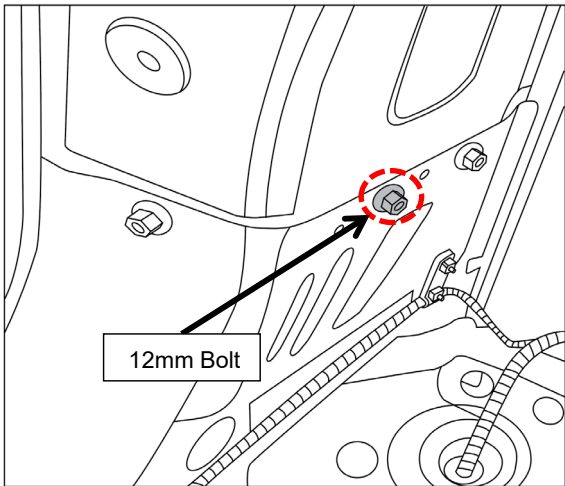
9		Wire Cutters
		
NOTE A. Route the harness up and over the bumper reinforcement behind the rear bumper cover and secure with three (3) wire ties to the factory wire harnesses as shown above. NOTE: The large wire ties may be used in combination with the regular size wire ties. B. Trim excess wire tie material.		
 CAUTION: Ensure the harness is routed away from any sharp edges.		

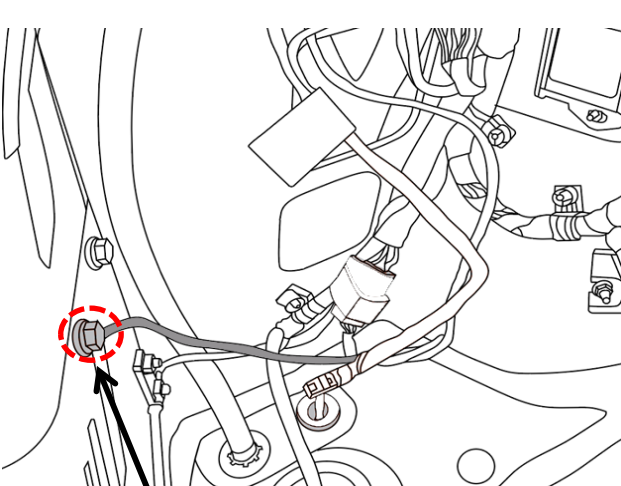
10		Vehicle Lift
		
NOTE A. Feed the harness through the vehicle hole that was plugged by the rubber grommet. Feed it inside the luggage compartment just past the rubber grommet on the harness then seat the grommet in the hole. B. Lower the vehicle.		
 WARNING: Comply with vehicle lift manufacture's instructions and safety when using the lift.		

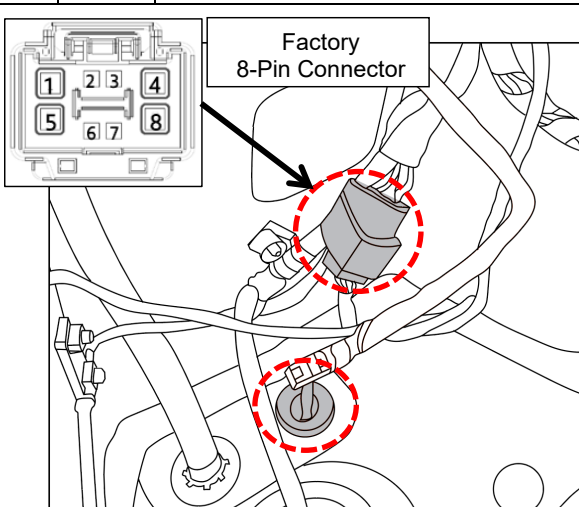
11		
		
NOTE A. Insert the provided bracket onto the control module until the retaining tab is engaged, as shown above.		
 Ensure the bracket is locked in place.		

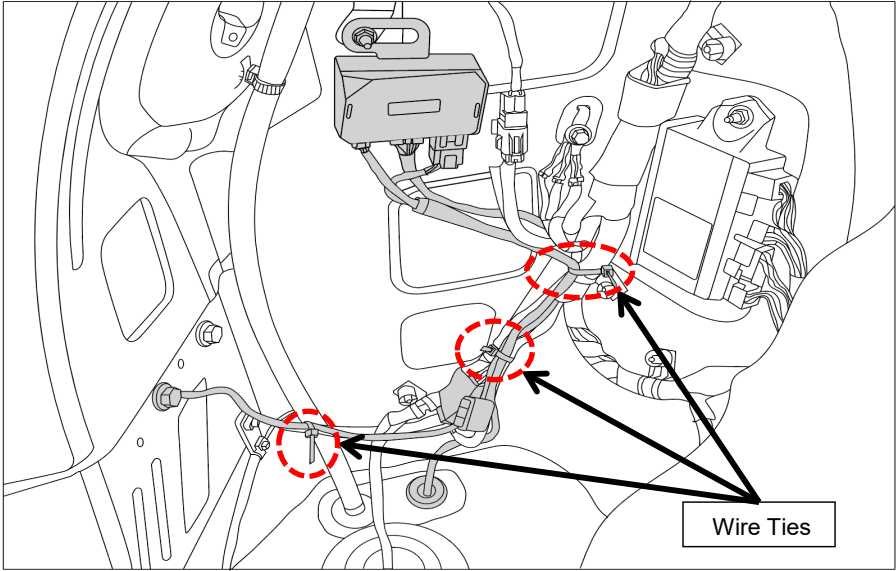
12		
		
NOTE A. Connect the three (3) tow hitch harness connectors into the control module and ensure they are locked in place. B. Apply foam tape to the bottom side of the module as shown above.		
 Ensure the connectors are locked in place.		

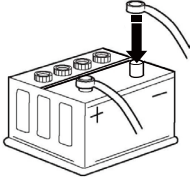
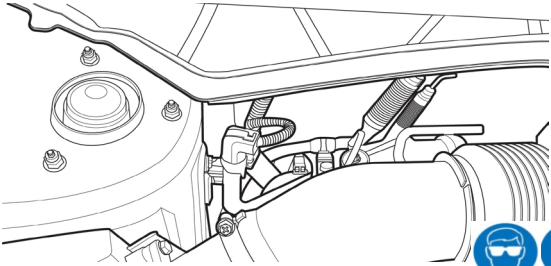
13		Ratchet, Torque Wrench, Extension and 10mm Socket
		
NOTE A. Remove the factory 10mm nut shown above and insert control module bracket over the factory stud. B. Reinstall the factory 10mm nut and torque to: 9.8 ~ 12.7 N.m (1 ~ 1.25 kgf.m, 7.2 ~ 9.3 lb-ft)		
 Do NOT over-torque the nut.		

14		Ratchet, Extension and 12mm Socket
		
NOTE A. Remove the factory 12mm Bolt shown above.		

15		Ratchet, Torque Wrench, Extension and 12mm Socket
		
NOTE A. Insert the 12mm Bolt through the ground ring terminal of the tow hitch harness and reinstall the bolt. B. Torque the 12mm Bolt to: 11.8 ~ 16.7 N.m (1.2 ~ 1.7 kgf.m, 8.5 ~ 12.2 lb-ft)		
 Do NOT over-torque the bolt.		

16		
		
NOTE A. Locate the factory 8-Pin male connector behind the left luggage trim panel shown above. B. Connect the tow hitch harness's 8-Pin input harness connector into the factory 8-Pin connector and make sure they are locked in place. C. Confirm the rubber grommet is properly seated.		
 Ensure the connectors are locked in place and rubber grommet is properly seated.		

17		Wire Cutters	
NOTE	A. Route the harnesses as shown and secure with three (3) wire ties to factory harnesses as shown above. B. Trim excess wire tie material.		

18		Ratchet, 10mm Socket and Torque Wrench	I.C.E. & PHEV Models  HEV Models 
NOTE	A. For HEV models; reconnect the 12V Circuit Connector and ensure it is locked in place. B. For I.C.E. and PHEV models; reconnect the Vehicle's Negative (-) Battery Cable, torque to: 5.0 ~ 6.0 N.m (0.5 ~ 0.6 kgf.m, 45 ~ 52 lb-in). Reinstall the Cap from Negative (-) Battery Cable, if applicable. C. Close the hood.		
	 Warning! Shock Hazard. Do not touch vehicle's negative battery cable to the vehicle's positive battery cable. Serious injury and damage to the vehicle may occur.		

19		12V Tester / Volt Meter OR 4-Way Tester	 GO TO → Visual Check & Function Check
NOTE	A. Perform Function Check with a 12V Tester / Volt Meter OR 4-Way Tester.		

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N O T E	A. Reinstall, in reverse order, all items and trim panels removed during installation. - Reconnect the two (2) connectors that were disconnected in step 5 from the left luggage trim panel. - Slightly pull back on the weatherstrip from the left luggage trim area, reinstall the left luggage trim panel and resecure the panel with the three (3) screws. - Slightly pull back on the weatherstrip from the transverse area, reinstall the transverse panel and resecure using the two (2) plastic push clips, then reinstall the weatherstrip. - Place the foam tray, left side luggage panel and luggage board back into original location. - If applicable, reinstall the cargo cover. - Fold the left second row rear seatback back in the upright position.	
	Caution! Do not scratch or damage any vehicle components.	

21		
N O T E	A. Close tailgate. B. Place the provided Caution Card and Notice Card into the Vehicle's Glove Box.	

Visual Check

Item to be Checked	
	8-Pin Connector Input Harness is fully inserted into vehicle's factory 8-Pin connector and is locked in place.
	Ground Ring Terminal is properly installed.
	Tow hitch harness has been properly secured. There should be no harness slack.
	Tow Hitch Input Harness & Output Harness are fully inserted into Control Module and are locked in place.
	All interior panels have been properly reinstalled.

Result
Connector is secured.
Ring terminal is secured.
The hitch harness is secured and properly routed.
Connectors are secured.
Interior panels reinstalled properly.

Function Check

Items to be Checked	
	With Ignition ON: Test 4-Pin Tail/Marker Light Circuit.
	With Ignition ON: Test 4-Pin Stop Light Circuit.
	With Ignition ON: Test 4-Pin Right Turn Light Circuit.
	With Ignition ON: Test 4-Pin Left Turn Light Circuit.
	Test 4-Pin Hazard Light Circuit.

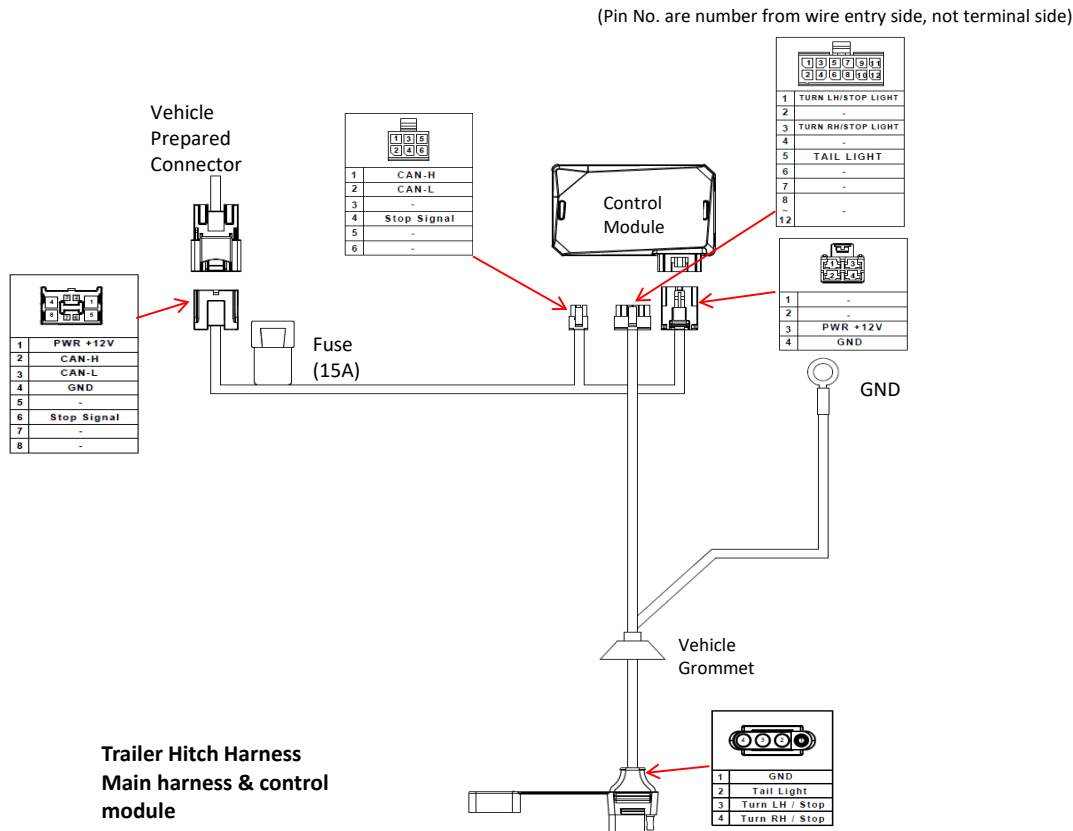
Result
Tester should illuminate/sound when the Vehicle Tail Lights are activated. Verify Vehicle Lights are functioning normally.
Tester should illuminate/sound when the Vehicle Brakes are activated. Verify Vehicle Lights are functioning normally.
Tester should illuminate/sound when the Vehicle Right Turn Signal is activated. Verify Vehicle Light is functioning normally.
Tester should illuminate/sound when the Vehicle Left Turn Signal is activated. Verify Vehicle Light is functioning normally.
Tester should illuminate/sound when the Vehicle Hazard Indicator is activated. Verify Vehicle Lights are functioning normally.

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Troubleshooting

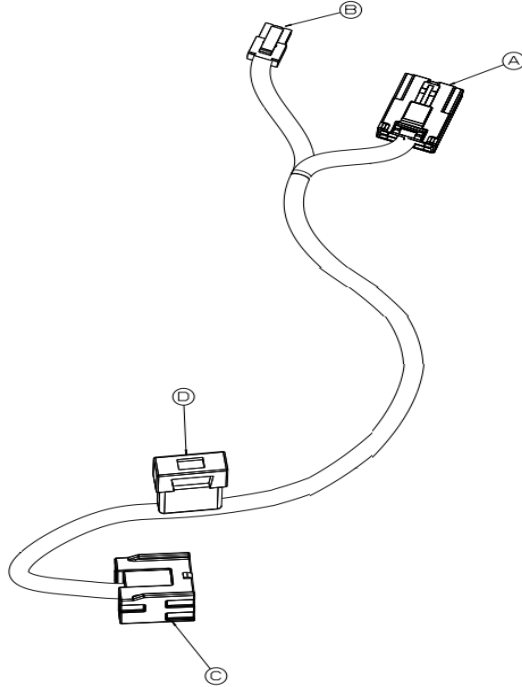
Item to be Checked		Result
	Trailer Stop Light output is not working.	Check the Input Harness connector is correctly installed. Check the Output Harness connector is correctly installed. Check module connectors are properly connected. Check the Ground wire Ring Terminal is correctly installed. Check that the harnesses are not pinched.
	Trailer Right Turn Light output is not working.	Check the Input Harness connector is correctly installed. Check the Output Harness connector is correctly installed. Check module connectors are properly connected. Check the Ground wire Ring Terminal is correctly installed. Check that the harnesses are not pinched.
	Trailer Left Turn Light output is not working.	Check the Input Harness connector is correctly installed. Check the Output Harness connector is correctly installed. Check module connectors are properly connected. Check the Ground wire Ring Terminal is correctly installed. Check that the harnesses are not pinched.
	Trailer Hazard Light output is not working.	Check the Input Harness connector is correctly installed. Check the Output Harness connector is correctly installed. Check module connectors are properly connected. Check the Ground wire Ring Terminal is correctly installed. Check that the harnesses are not pinched.
	Tail/Marker Light output is not working.	Check the Input Harness connector is correctly installed. Check the Output Harness connector is correctly installed. Check module connectors are properly connected. Check the Ground wire Ring Terminal is correctly installed. Check that the harnesses are not pinched.

Wiring Diagram Total



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Wiring Diagram (Input Harness)



(A) FEMALE 4P POWER CONNECTOR

		MAKER	KET	2P	C/O
		HOUSING	M9610047-5		●
		TERMINAL	ST730268-3		●
NO	CIRCUIT NAME	CIRCUIT DESCRIPTION		SPEC	RMK
3	PWR-3	(+) 12V BATT		AVSS 2.0	R
4	PWR-4	GND		AVSS 2.0	B

(B) FEMALE 6 PIN INPUT CONNECTOR

	MAKER	MOLEX	2P	C/O
	HOUSING	43645-0700		●
	TERMINAL	43030-0001		●
NO	CIRCUIT NAME	CIRCUIT DESCRIPTION	SPEC	RMK
1	INPUT-1	CAN-H	AVSS 0.5	BR
2	INPUT-2	CAN-L	AVSS 0.5	W
4	INPUT-4	STOP SIG	AVSS 0.5	O

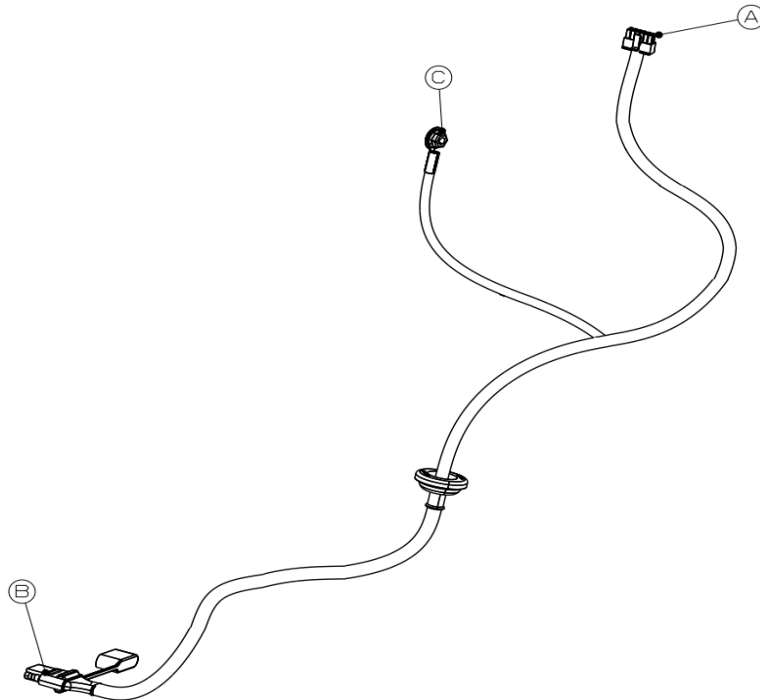
(C) FEMALE 8 PIN PREPARED CONNECTOR

	MAKER	KET	2P	C/O
	HOUSING	M965787		●
	TERMINAL	ST731412-3 ST731281-3		●
NO	CIRCUIT NAME	CIRCUIT DESCRIPTION	SPEC	RMK
1	PRE-1	+12V	AVSS 2.0	R
2	PRE-2	B-CAN H	AVSS 0.5	BR
3	PRE-3	B-CAN L	AVSS 0.5	W
4	PRE-4	GND	AVSS 2.0	B
6	PRE-6	STOP SIG	AVSS 0.5	O

(D) 2P FUSE (15A)

NO	CIRCUIT NAME	CIRCUIT DESCRIPTION	SPEC	RMK
1	15F-1	To Main	AVSS 2.0	R
2	15F-2	To Vehicle	AVSS 2.0	R

Wiring Diagram (Output Harness)



(A) FEMALE 12 PIN OUTPUT CONNECTOR

	MAKER	MOLEX	2P	C/O
	HOUSING	43025-1200		●
	TERMINAL	43030-0038		●
NO	CIRCUIT NAME	CIRCUIT DESCRIPTION	SPEC	RMK
1	OUTPUT-1	TURN LH/STOP LIGHT	AVSS 0.85	Y
2	OUTPUT-2	DUMMY	AVSS 0.85	B
3	OUTPUT-3	TURN RH/STOP LIGHT	AVSS 0.85	G
5	OUTPUT-5	TAIL LIGHT	AVSS 0.85	BR
11	OUTPUT-11	DUMMY	AVSS 0.85	B
12	OUTPUT-12	DUMMY	AVSS 0.85	B

(B) 4 PIN OUTPUT CONNECTOR

	MAKER	JABEZ	2P	C/O
	HOUSING	Way Flat Connector		●
	TERMINAL	045005052 045005052-2 045005052 045005052-2		●
NO	CIRCUIT NAME	CIRCUIT DESCRIPTION	SPEC	RMK
1	OUTPUT-1	GND	AWG 16	W
2	OUTPUT-2	TAIL LIGHT	AWG 16	BR
3	OUTPUT-3	LEFT TURN / STOP LIGHT	AWG 16	Y
4	OUTPUT-4	RIGHT TURN / STOP LIGHT	AWG 16	G

(C) Ground Terminal

		MAKER	KET
		Part No.	ST710286-3
NO	CIRCUIT NAME	CIRCUIT DESCRIPTION	SPEC
1	GND	Ground	Stud Size 8.4mm, Thick 0.6mm Pre-Tn