



KIA Genuine Accessories

Vehicle Model Sorento
 Model Year 2014~
 Part No. 1U061 ADUP0 (PIO)
1U061 ADU00 (DIO)

Accessory Tow Hitch Kit
 Difficulty (B) - (C)

Note: Difficulty stated above reflects the minimum level of expertise required to install the accessory
 (A) Customer (B) Dealer Technician (C) Master Technician

* Install Electrical Harness Before Installing Hitch *

- Accessory Installation

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 safety equipment required to be used such as a mask, goggles, rubber gloves, and hearing protection.	
	Denotes cautions to be taken to avoid physical injury or electronic component damage.		Denotes specific tools that are necessary to complete the step.		
	Denotes cautions to be taken to avoid vehicle and component damage.	NOTE	Denotes instructional steps necessary to complete the process.		
				Mask	Goggles
				Rubber Gloves	Hearing Protection

Basic Required Hand Tools

Ratchet	Extension	17 & 19 mm Socket	Torque Wrench	19 mm Crowfoot Wrench
Hacksaw				

Specialty Required Tools:

M10 x 1.25 Thread Chaser

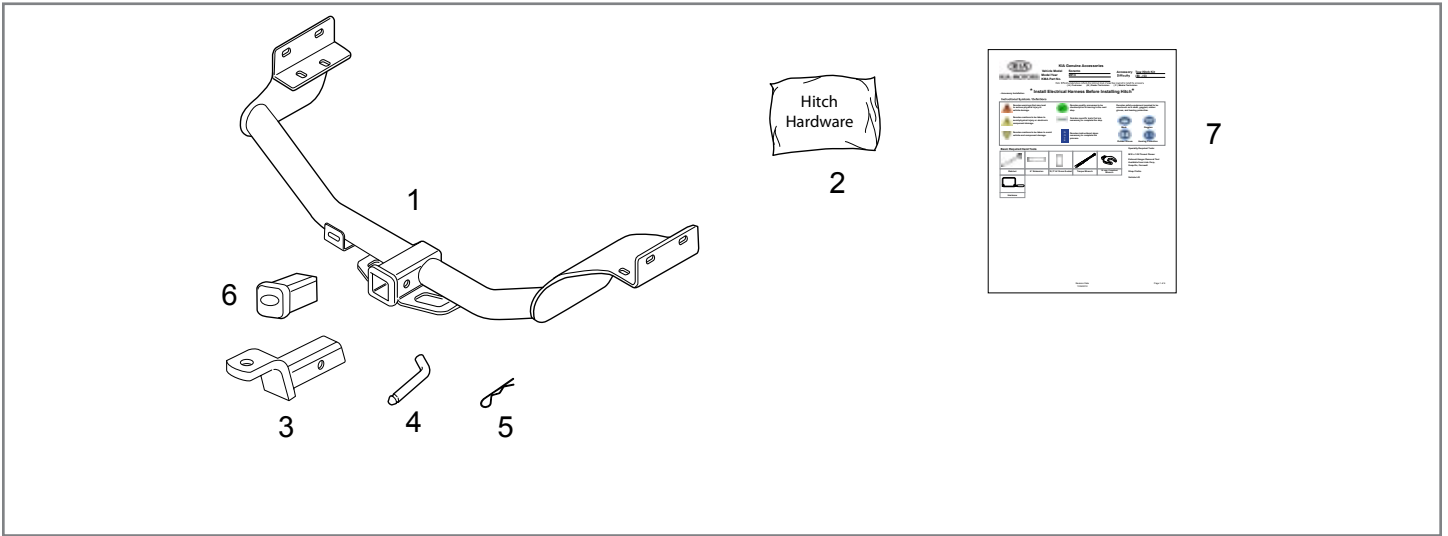
Exhaust Hanger Removal Tool
 Available from Lisle Corp,
 Snap-On, Cornwell

Vehicle Lift

Paint Pen

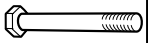





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Kit Overview



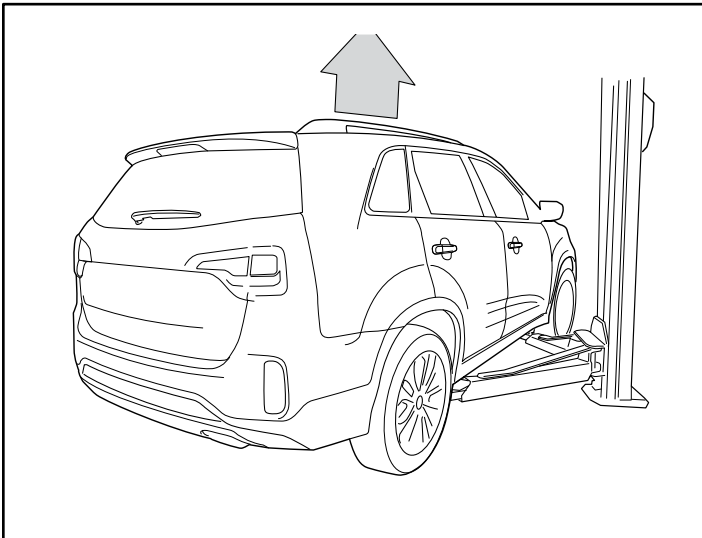
No.	Qty.	Description
1	1	Hitch
2	4	Hardware Bag
3	1	Ball Mount
4	1	Pin
5	1	Clip
6	1	Receiver Plug
7	1	Installation Instructions


Hitch Hardware Kit Overview

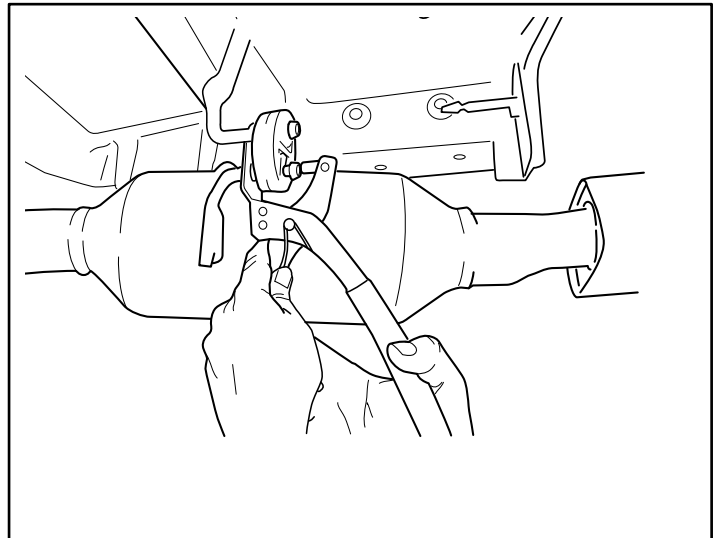
A	B	C	D	E	F
					
4	4	8	4	4	1
M12 Bolt	M10 Bolt	M12 Washer	M10 Washer	M12 Nut	Spacer Plate



Hardware Kit Total
25

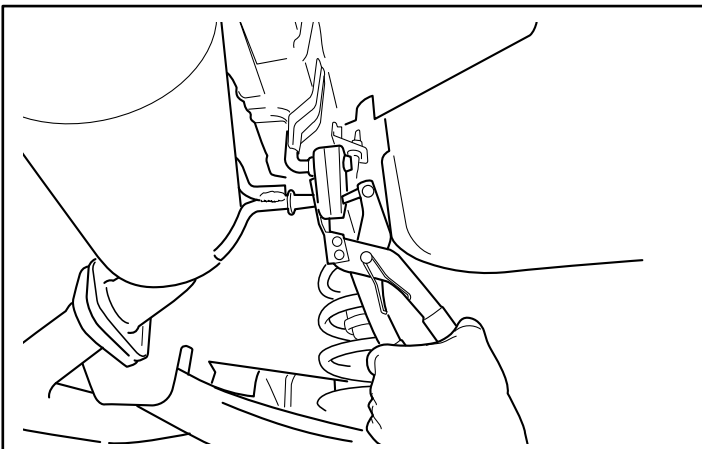
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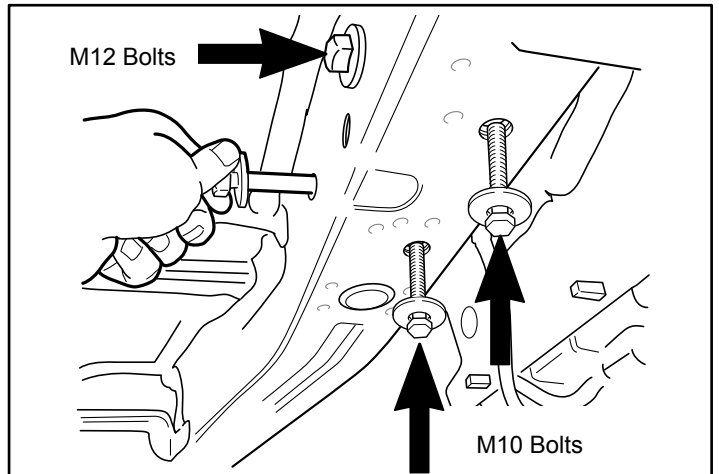
	Vehicle Lift	1
NOTE	Use a vehicle lift to raise the vehicle.	

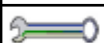


	Exhaust Hanger Removal Tool	2
NOTE	Using the Exhaust Hanger Removal Tool, dislodge the exhaust hanger from the rubber holder.	
		Caution – Make sure the muffler and exhaust tip are cold.

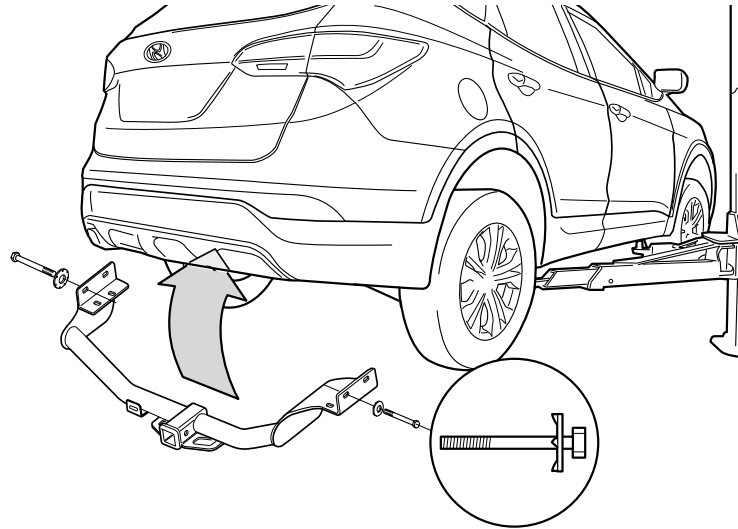


	Exhaust Hanger Removal Tool	3
NOTE	Repeat on the other side of the exhaust for the second exhaust hanger.	
		Caution – Make sure the muffler and exhaust tip are cold.



	M10 x 1.25 Thread Chaser	4
NOTE	Before installing the hitch, confirm all four (4) M12 bolts completely fit through the side of frame section. Then, hand tighten the four (4) M10 bolts into ALL four (4) mounting holes at the bottom of frame section to confirm there are no debris or weld spatter on the chassis rail weld nuts. If a bolt does not thread properly through the weld nut, stop and inform the shop supervisor immediately. Use a M10 x 1.25 thread chaser to clean out the weld nuts.	

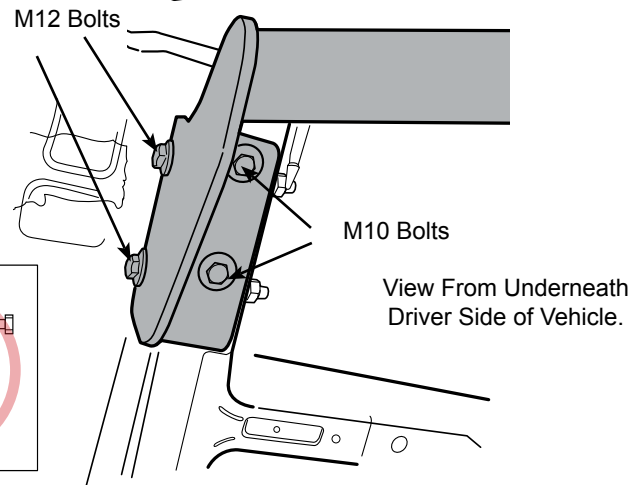
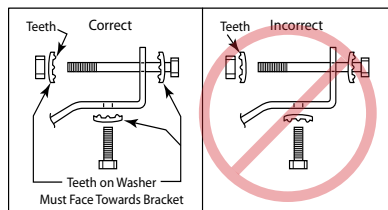
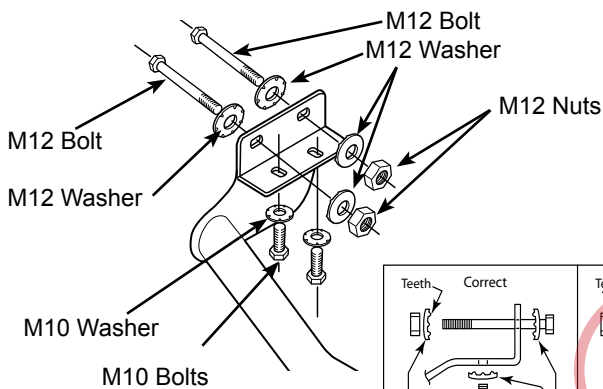
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NOTE

Preassemble the M12 bolts with the M12 conical washers as shown. Starting on the passenger side of the vehicle, position the hitch over the muffler and under the vehicle. Install the hitch evenly over the chassis rails and insert one (1) M12 bolt and washer assembly on each side of the vehicle. Bolts must be inserted on the outside of the chassis rail as shown in step 6 and pass completely through the other side. Be sure the tooth side of the washer is installed against the hitch mounting brackets. This will hold the hitch in position for the next step.



Ratchet, Extension, 17mm & 19mm Socket and 19mm Crowfoot Wrench

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NOTE

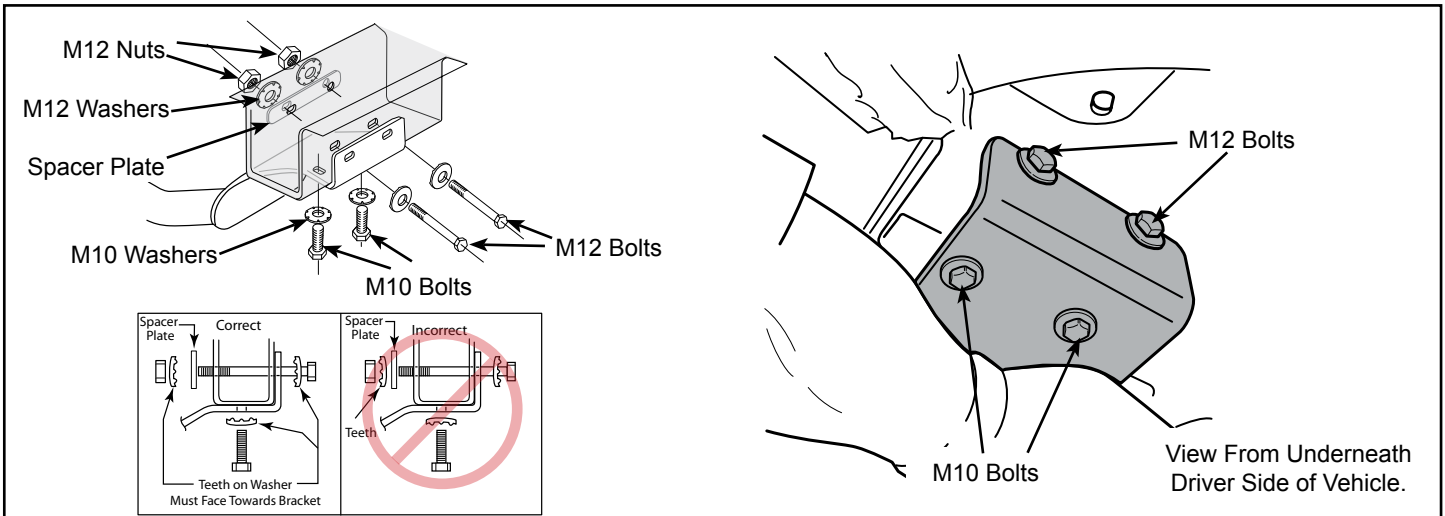
Starting on the driver side, **HAND TIGHTEN** a M10 bolt and M10 conical washer into each location. Do not use power tools as this could cross thread the bolts. Be sure the tooth side of the washer is installed against the hitch mounting brackets, as shown.

Next install the second M12 bolt and M12 conical washer into the remaining upper driver side attaching point. Hand tighten a M12 nut onto each M12 bolt, as shown. Be sure the tooth side of the washer is installed against the chassis and hitch mounting brackets, as shown.

Using a ratchet, extension and 17mm socket, tighten the 10mm bolts. Using a ratchet, extension, 19mm socket and 19mm crowfoot wrench, tighten the M12 hardware.

Do not torque the hardware at this point, as this will be required in Step 8.

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Ratchet, Extension, 17mm & 19mm Socket and 19mm Crowfoot Wrench

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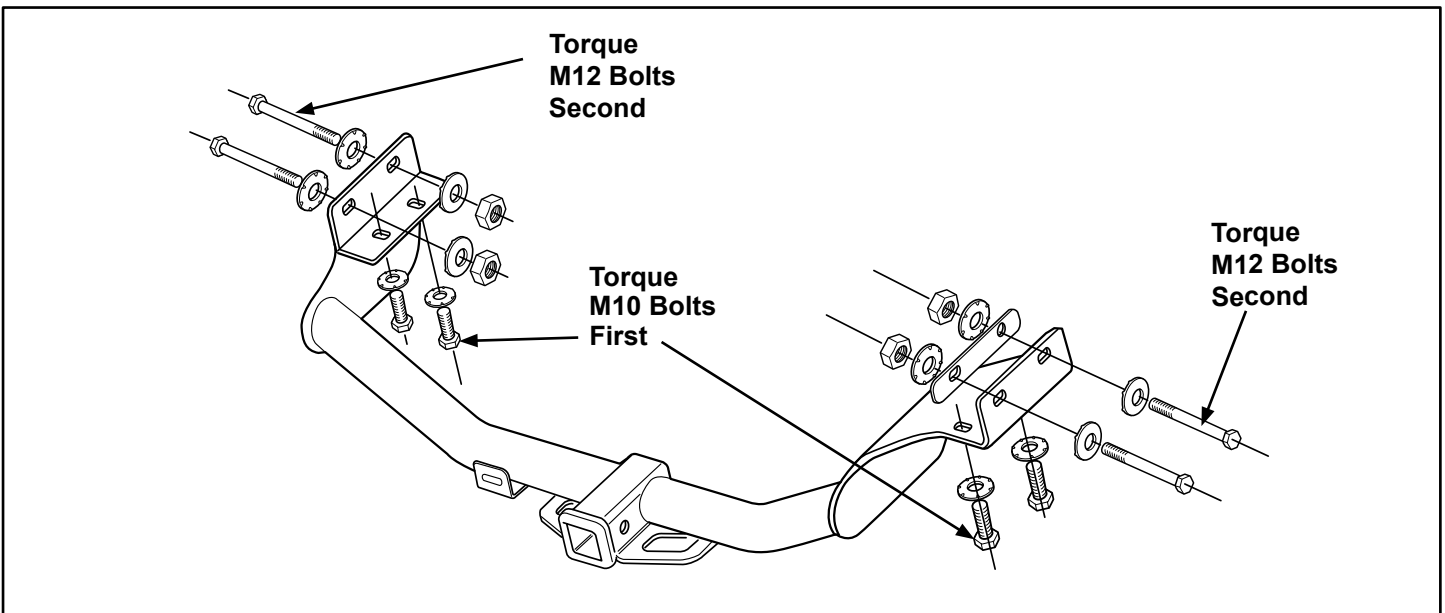
NOTE

On the passenger side, **HAND TIGHTEN** a M10 bolt and M10 conical washer into each location. Do not use power tools as this could cross thread the bolts. Be sure the tooth side of the washer is installed against the hitch mounting brackets, as shown.

A spacer plate is required for the passenger side of the vehicle on the inside of the chassis at the M12 bolt location. Place the spacer plate into position on the first M12 bolt installed in step 5 and then insert the second M12 bolt and conical washer. The spacer plate will be sandwiched in between the inside vehicle chassis and the conical washers, as shown. Hand tighten a M12 nut onto each M12 bolt, as shown. Be sure the tooth side of the washer is installed against the spacer plate and hitch mounting brackets, as shown.

Using a ratchet, extension and 17mm socket, tighten the 10mm bolts. Using a ratchet, extension, 19mm socket and 19mm crowfoot wrench, tighten the M12 hardware.

Do not torque the hardware at this point, as this will be required in Step 8.



Ratchet, Extension, 17mm & 19mm Socket, 19mm Crowfoot Wrench, Torque Wrench and Paint Pen

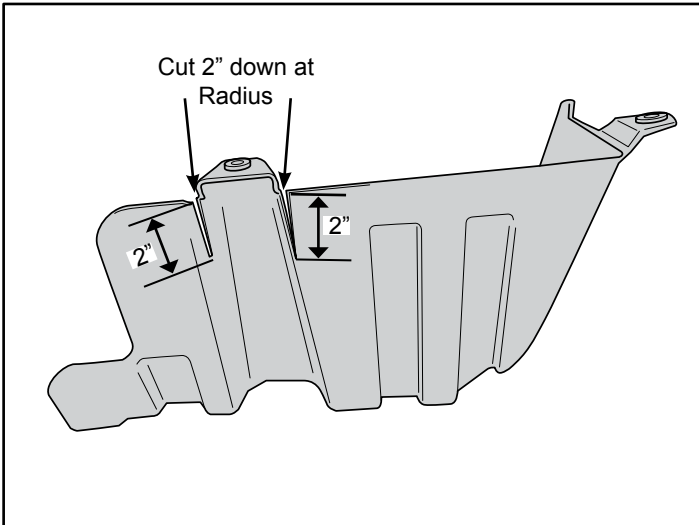
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NOTE

Using a ratchet, extension, 17mm & 19mm socket, 19mm crowfoot wrench and torque wrench, follow the bolt torque sequence. Use a permanent yellow or white paint pen to mark a line on top of each bolt head. Reattach the exhaust hangers to the holders.

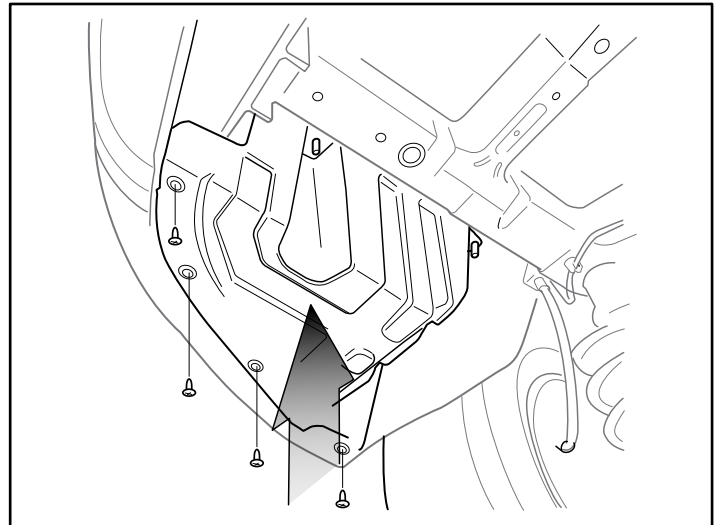
Bolt Torque Sequence: 1) Torque M10 Bolts to 54.2 N.m (5.5 kgf.m, 40.0 Lbs-Ft)
2) Torque M12 Bolts to 97.6 N.m (10.0 kgf.m, 72.0 Lbs-Ft)


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 Small Hacksaw **9**

NOTE Using a hacksaw, make a 2" cut down the radius of the plastic covers on each side of the rear locator, as shown. This will allow some flexibility to reinstall the plastic covers around the hitch hardware in the next step.



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NOTE Place cover up in position and engage the front locator stud first and then the rear locator stud. This may require you to slide your hand up inside the cover to apply pressure. Replace the four (4) plastic push pins removed in during harness installation. Repeat step 9 for the passenger side and replace the three (3) plastic push pins removed during harness installation.



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NOTE Refer to Electrical Harness Installation sheet to complete the installation.