

RACK RECEIVER KIT#: **SHR30004**

COMPATIBLE WITH TOW KIT: **N/A**



2" RACK RECEIVER MAXIMUM PAYLOAD: 600 LBS

MAXIMUM TOW RATING: N/A

MAXIMUM TONGUE WEIGHT: N/A

UNDER VEHICLE TRIMMING:

HEAT SHIELD: **NO**

FASCIA: **YES**

GRAVEL GUARD TRIMMING: **NO**

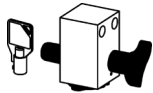


READ ALL INSTRUCTION WARNINGS AND LABELS



NO WELDING, METAL DRILLING OR VISIBLE TRIMMING REQUIRED

PARTS SUPPLIED WITH RACK RECEIVER KIT:



LATCH BLOCK & KEYS



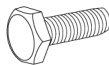
(2) BOLTS
5/8" - 11 x 5"



(2) 5/8"
NYLOCK NUTS



2" RACK
RECEIVER



(8) M10 1.5 x
45mm BOLTS



(8) M10 FLAT
WASHERS



(8) M10 LOCK
WASHERS

TOOLS REQUIRED:



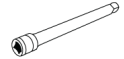
15/16" OPEN
END WRENCH



10mm, 16mm,
17mm & 15/16"
SOCKETS



TORQUE
WRENCH



SOCKET
EXTENSION



SAFETY GLASSES



RATCHET



FLASHLIGHT



PAINTER'S TAPE



PLASTIC
PRY TOOLS



T20, T25, &
T40 TORX



10 mm
HOLLOW NUT
DRIVER



FILE



DREMEL TOOL

<THESE INSTRUCTIONS MUST BE GIVEN TO THE END USER>

INSTALLATION NOTE: In most instances, these instructions will only outline disassembly of vehicle components. Re-installation of components will require the installer to retain vehicle hardware and work through disassembly instructions in reverse order. When installation is complete, double check that all vehicle components have been replaced and are secured.

IMPORTANT SAFETY NOTICE FOR STEALTH HITCH INSTALLERS AND CUSTOMERS.

Read all installation and operating instructions along with all labels before installing or using this product. Do not perform any installation or towing procedures without fully understanding the correct tools and actions for all steps. Call for support if needed.

⚠ WARNING Failure to comply with the safety information in these instructions could result in serious injury or death.

- ⚠ Do not modify this product in any manner. Doing so could alter its integrity and lead to a loss of attachment between the trailer and the tow vehicle.
- ⚠ Adding Stealth hitch components to the chassis of any vehicle can be hazardous. There is potential for unexpected combustion of fuel, electric shock, burns, shifting or falling of unstable vehicle, damage to vehicle, injury from tool usage and many other hazards. This installation must be completed by someone who is aware of the hazards involved. This person must be knowledgeable of proper safety procedures for a vehicle modification of this nature, and for usage of the equipment required to perform the installation.
- ⚠ Without proper knowledge, towing can be a dangerous activity. Understand all the risks involved with towing before proceeding. For information on towing safety, see "**The Trailer Handbook: A Guide to Understanding Trailer and Towing Safety**" from the National Association of Trailer Manufacturers, www.NATM.com and your trailer and tow vehicle manufacturer's owner's manual.
- ⚠ Do not exceed tow or tongue rating of coupler, tow or tongue rating of hitch, or tow or weight ratings of tow vehicle or trailer. See vehicle and trailer manufacturer information for ratings. Exceeding these ratings may cause damage to towing components or loss of attachment between the trailer and vehicle.
- ⚠ While installation is being performed, check for signs of damage or excessive corrosion. Do not install hitch components over vehicle parts that are broken or have compromised structural integrity.
- ⚠ This product was designed to fit vehicles in their original, "as manufactured" condition. Compatibility with vehicles having replacement parts, or other modifications is not guaranteed. Inspect vehicle for modifications before installation of this product.
- ⚠ Some accessories, like the rack receiver, are not rated for towing. Do not use any accessories without proper knowledge of their use.
- ⚠ A visual inspection of the hitch should be performed before each use. Regularly check that all connections are secure, including those that secure the hitch to the vehicle. Check for cracks or damage to the hitch. Do not use the hitch if cracks or damage outside of normal wear is found. Using a hitch that has unsecure connections and/or cracks or damage could result in damage to the tow vehicle, trailer, towing components and loss of attachment between the tow vehicle and trailer.
- ⚠ Stealth hitches are not compatible with any weight distribution or sway control products. Adding additional products to the trailer or chassis which modifies the function of the Stealth hitch may cause hitch failure.

NOTICE: Installation of hitch requires removal of vehicle parts and interaction with vehicular electronics. Before installation, check the condition of body panels and note any locations where panels are not flush. Check the electronic functions of the vehicle, such as: headlights, taillights, turn signals, cameras, backup sensors, Parking Distance Controller (PDC), foot activated cargo access, etc. It is the responsibility of the installer to restore the fit and function of the vehicle

GAIN ACCESS TO MOUNTING AREA



T20 TORX

1. Open the rear hatch, locate and remove (2) plastic screws on the bottom left and right corners under the rear hatch.



T25 TORX

2. Inside the rear wheel well, behind the tire, locate the screw which is holding the bottom corner of the wheel well liner (green arrow). Remove this screw and fold the flexible liner back toward the tire. Behind the liner locate (3) additional screws and remove them (yellow arrows).



T25 TORX



PAINTER'S TAPE

3. To gain access to a screw in the fascia, the wheel well trim will need to be partially detached. Find the end of the clips inside the wheel well and press them down while using outward pressure to release them. Remove the (5) clips closest to the rear of the vehicle as shown. Apply painter's tape to the wheel well trim to protect it from damage. Remove the uncovered Torx screw. Repeat Steps 2-3 on other side of vehicle.

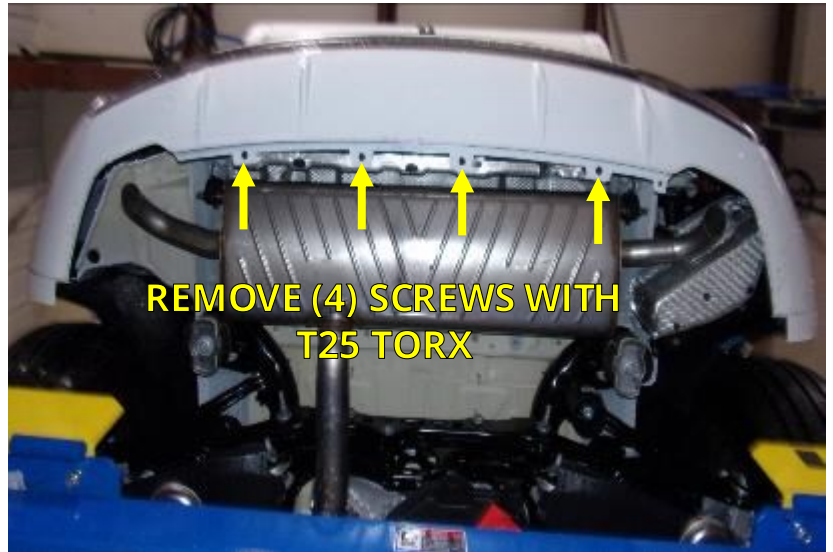


GAIN ACCESS TO MOUNTING AREA CONTINUED



T25 TORX

4. Under the rear of the vehicle, remove (4) screws from the bottom of the fascia.

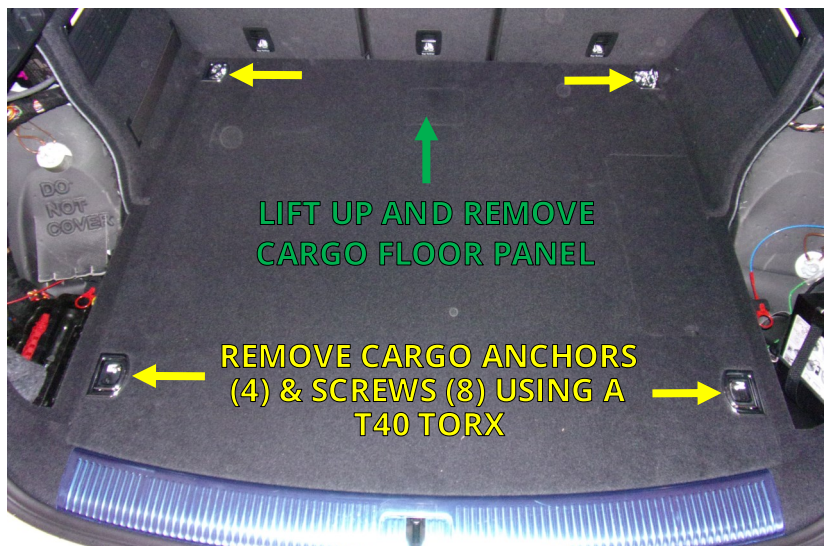


5. Inside the rear cargo area, lift up on the cargo floor panel and remove. Remove the compartment storage side panels. Each panel has a knob that turns counterclockwise to open. Inside the passenger side compartment, locate the 12 Volt power supply outlet and unplug it. Squeeze the plug clips to release the plug.



T40 TORX

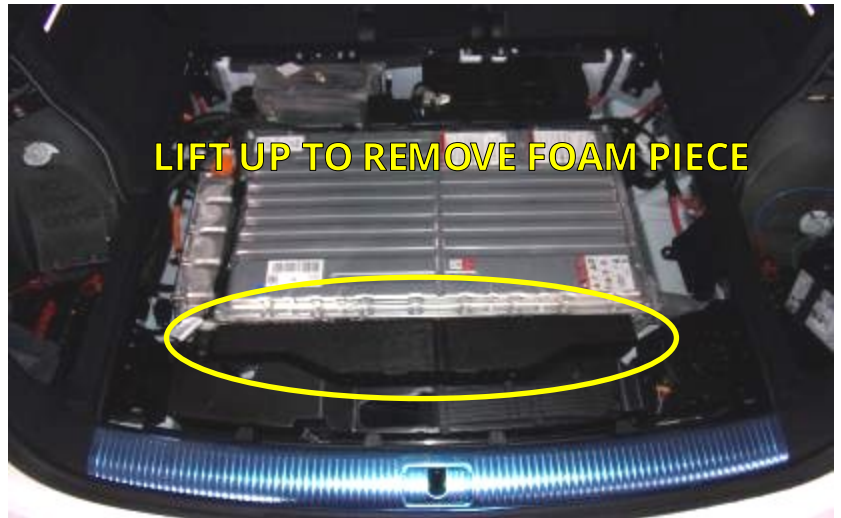
6. On the floor of the rear cargo area locate the (4) cargo anchors in each of the corners of the floor panel. Use a T40 Torx to remove the (8) screws attaching the cargo anchors to the floor. Remove the cargo anchors. Lift up and remove cargo area floor panel set aside.



GAIN ACCESS TO MOUNTING AREA CONTINUED



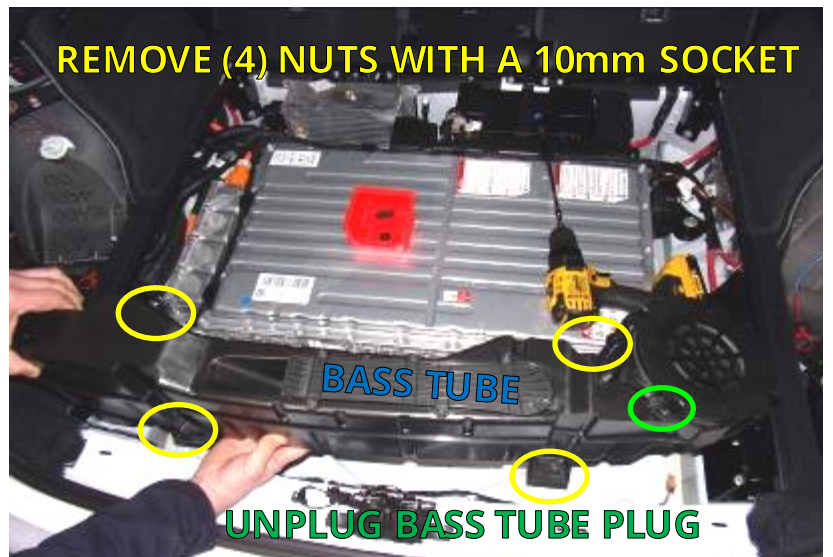
7. Remove foam piece from rear of cargo area. Place foam piece on blanket or safe area.



8. Remove the threshold in the rear cargo area. Use a pry tool on the side of the threshold then lift up and remove.

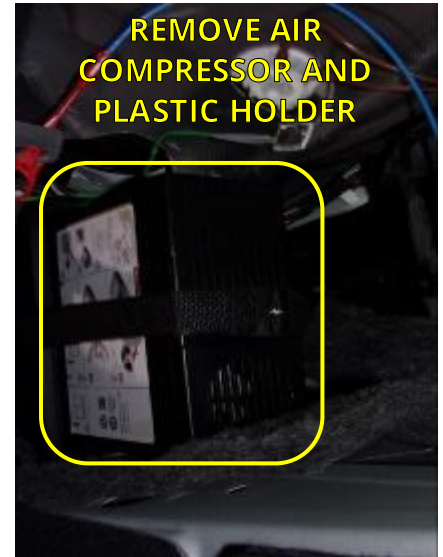


9. Remove (4) nuts securing bass tube. Unplug bass tube plug. Remove the bass tube. Place bass tube on blanket or safe area.

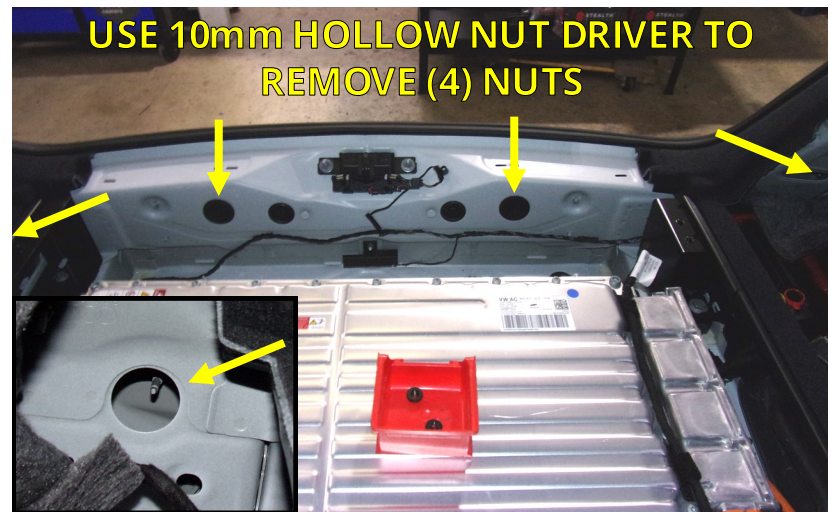


GAIN ACCESS TO MOUNTING AREA CONTINUED

10. On the driver side of the vehicle, remove tool kit holder. On the passenger side of the vehicle, remove air compressor and plastic holder.



11. Locate and remove the (2) rubber grommets in the rear of the cargo area, as shown in the image. Remove the (2) nuts located inside the holes covered by the grommets. Inside of the side cargo compartments, against the rear wall of the vehicle, are (2) additional nuts to remove.



12. The rear fascia is clipped to the vehicle body above and behind the wheel wells. Pull outward on the top front of the rear fascia to expose a clip in the seam. With a plastic pry tool, push down on the exposed clip to disconnect. Continue to pull outward on the fascia and disconnect clips as they are exposed.

Continue applying outward and rearward pressure until all the clips are released. Repeat on other side of vehicle.



GAIN ACCESS TO MOUNTING AREA CONTINUED

13. The fascia will not be completely disconnected from the vehicle, a wiring harness attached to the fascia must remain attached. Before removing the rear fascia, set up a stand or place a pad down near the rear driver side of the vehicle. Carefully pull the fascia away from the vehicle. Move the fascia away from the vehicle and place on the stand or pad prepared earlier.



NOTICE: Carefully remove the fascia and place on a blanket or pad.

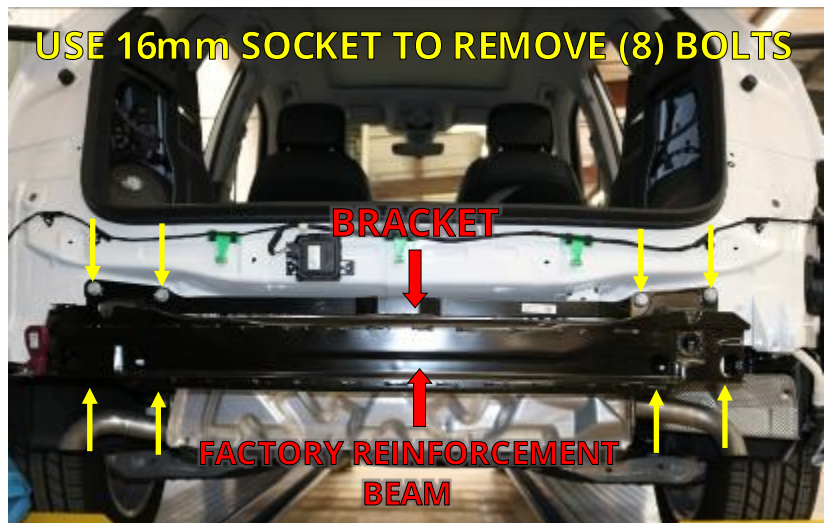
NOTICE: If the electrical harness becomes disconnected the vehicle will need reprogramming at an Audi Dealership.

INSTALL STEALTH HITCH FRAME



16mm
SOCKET

14. With the fascia out of the way, locate and remove the (8) bolts attaching the factory reinforcement beam to the vehicle. A long thin bracket will also be removed. Discard the (bolts) and bracket, but save the factory reinforcement beam.

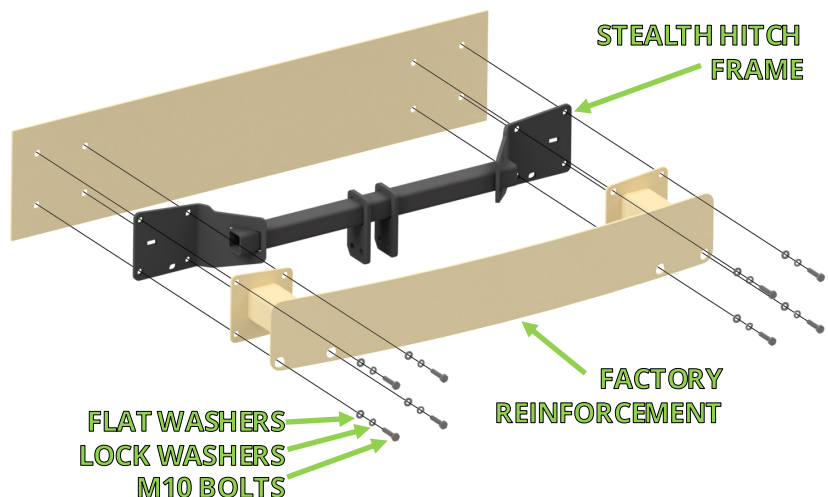


17mm
SOCKET



TORQUE
WRENCH

15. Install the Stealth hitch frame and factory reinforcement beam onto the vehicle using (8) provided M10 bolts, washers, and lock washers, as shown. Center the hitch frame and beam before tightening. Use a torque wrench to tighten the bolts to 45 ft.-lbs.



USE 17mm SOCKET TO TIGHTEN BOLTS

MOUNT LATCH BLOCK



15/16"
SOCKET



15/16" OPEN
END WRENCH

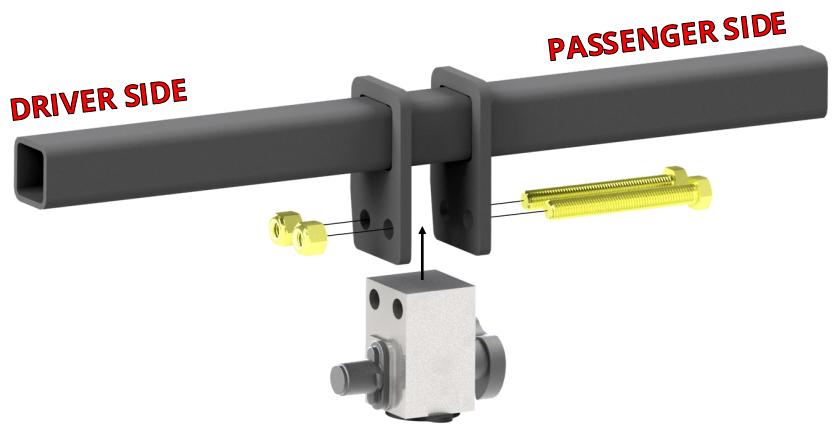


TORQUE
WRENCH

16. Install the latch block with (2) 5/8"-11 x 5" bolts and (2) 5/8" nylock nuts. Tighten each bolt to 150 ft.-lbs.

NOTICE: Keys are packaged within the latch block, remove keys and store in safe location.

RACK RECEIVER KIT INSTALL



CUT ACCESS TO LATCH BLOCK

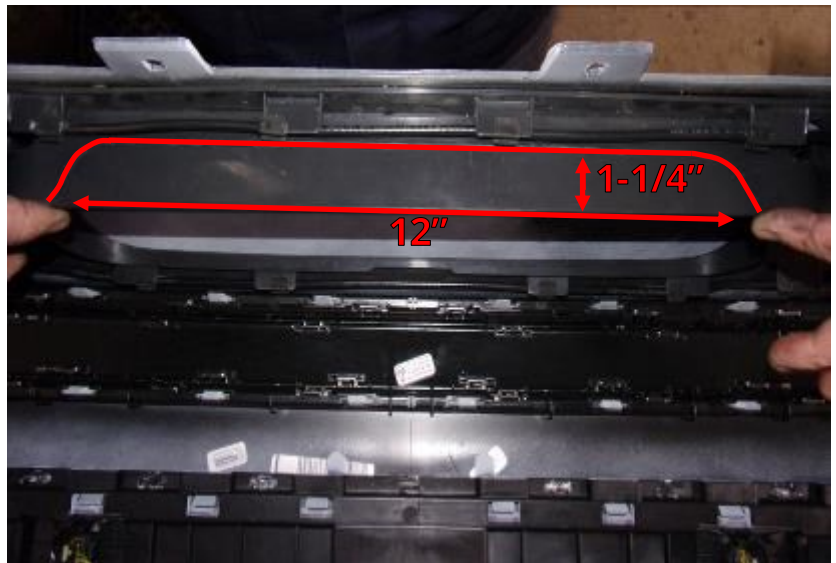


DREMEL TOOL



FILE

17. Carefully cut out molded panel wall with Dremel tool. Use a file to smooth out the cut. Do not damage the kick wand, wiring harness, or other electronic parts attached to the panel.

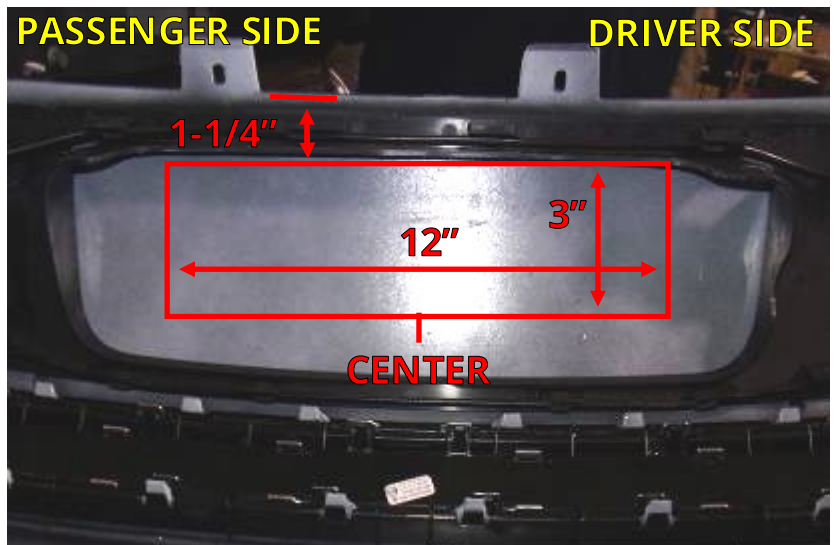


DREMEL TOOL



FILE

18. Cut out fascia with Dremel tool. Use a file to smooth out the cut.



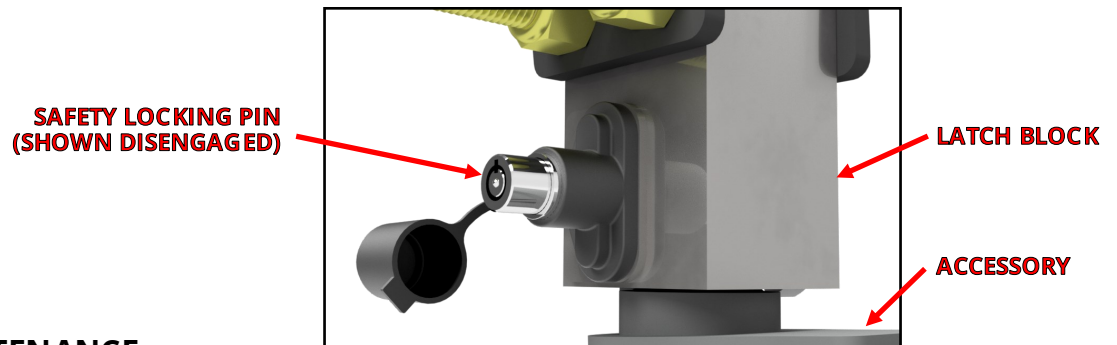
REINSTALL VEHICLE COMPONENTS

19. Reattach and secure the fascia and other vehicle components in reverse order. Refer to Steps 1-12.



FINAL VEHICLE EXAMINATION

20. Examine the body panels to ensure that they are in a pre-installation condition. Test the electronic functions of the vehicle. Correct any inconsistencies.
21. Ensure that hitch components work properly.
 - **Verify that the lock works correctly.** Push in the safety lock on the latch block then unlock with key. The lock should slide back out with the key when unlocked.
 - **Verify that each accessory can be installed correctly.** Use the following steps to install and remove each accessory that will be used with the hitch. (*Rack Receiver and Ball Mount if purchased.*)
 1. Prepare latching mechanism. Turn handle clockwise if needed.
 2. Firmly insert "post" of accessory into latch block until handle releases indicating that the accessory is latched.
 3. Push in the safety locking pin until it fully engages. The locking pin prevents the handle from turning when pushed in, and confirms that the block is securely latched onto the accessory. The safety locking pin will not depress if the accessory is not fully latched.
 4. Use key to release safety locking pin.
 5. While holding on to the accessory, rotate handle clockwise to release and remove the accessory.
 - **Verify that no part of the accessories come into contact with the body of the vehicle.**



PRODUCT USE AND MAINTENANCE

NOTICE: If the hitch is being installed by a professional, the installer is responsible for training the end user in the use and maintenance of the product.

- **Accessory installation procedure:**
 1. Prepare latching mechanism. Turn handle clockwise if needed.
 2. Firmly insert "post" of accessory into latch block until handle spins counter-clockwise indicating that the accessory is latched.
 3. Always depress the safety locking pin and check that it has fully engaged.
- **Never use any accessory with the safety lock disengaged.** Until the safety locking pin is engaged, the handle is able to turn. A fully engaged safety locking pin is confirmation that the accessory is properly latched into the latch block.
- **Never use the rack receiver for towing.** The rack receiver accessory is only to be used with payload carrying products, such as bike racks or luggage racks.
- **Before each use, give the post of the accessory a light coating of lithium based grease.**
- **Before each use, inspect the hitch to ensure that all bolted connections are secure and that no cracks or damage are present.** Do not tow with the hitch if cracks or damage outside of normal wear is found.
- **Remove the Stealth accessories from the latch block after each use.** Do not leave accessories plugged in for extended periods of time.