



# HITCH INSTALLATION INSTRUCTIONS

**MAKE:** PORSCHE  
**YEARS:** 2014 - 2022  
2014 - 2021

**MODEL/TRIM:** Macan & Macan S  
Macan Turbo

www.stealthhitches.com 833•694•4824

RACK RECEIVER KIT#: **SHR35004**

COMPATIBLE WITH TOW KITS: **SHT25038A & SHT25030**

**2" RACK RECEIVER MAXIMUM PAYLOAD:** 600 LBS

**MAXIMUM TOW RATING:** 6000 LBS

**MAXIMUM TONGUE WEIGHT:** 600 LBS



## UNDER VEHICLE TRIMMING:

HEAT SHIELD: **NO**

FASCIA: **YES**

GRAVEL GUARD TRIMMING: **NO**

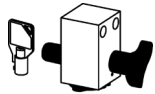


**READ ALL INSTRUCTION WARNINGS AND LABELS**



**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



(4) M10 FLAT  
WASHERS



(4) M10 1.5 x  
100mm BOLTS



(4) M10 LOCK  
WASHERS



2" RACK  
RECEIVER

## ADDITIONAL PARTS FOR TOW KIT:



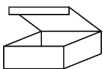
BALL MOUNT  
5" RISE, SHORT



CHAIN HOOKS



2" BALL



PASSIVE OR **ACTIVE**  
WIRING KIT BOX

## TOOLS REQUIRED:



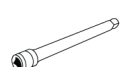
15/16" OPEN  
END WRENCH



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



RATCHET



SOCKET  
EXTENSION



TORQUE  
WRENCH



T25 & T30 TORX



FLASHLIGHT



PLASTIC  
PRY TOOLS



SAFETY GLASSES



DREMEL TOOL



FILE



DRILL &  
3/8" BIT

## ADDITIONAL TOOLS FOR **ACTIVE** & PASSIVE TOW KITS:



PHILLIPS HEAD  
SCREWDRIVER



STRIPPER/  
CRIMPING  
TOOL



SILICONE



MULTIMETER



90 DEGREE PICK  
**ACTIVE** ONLY



13mm SOCKET  
PASSIVE ONLY



PLIERS  
PASSIVE ONLY

**RACK RECEIVER INSTALLATION:** USE STEPS 1-16 & 43-47

**PASSIVE TOW KIT INSTALLATION:** USE STEPS 1-25 & 39-47

**ACTIVE TOW KIT INSTALLATION:** USE STEPS 1-21 & 26-47

**NOTICE: If installing an **ACTIVE** tow kit installation, the vehicle must be programmed at a Porsche dealership before trailer lights will function.**

# <THESE INSTRUCTIONS MUST BE GIVEN TO THE END USER>

NOTICE: Installation of Stealth products may or may not require the addition of a wiring harness to the vehicle.

- The Rack Receiver only product does not require adding a wiring harness.
- The Rack Receiver plus Tow Kit requires the addition a wiring harness that is compatible with the vehicle's wiring. Depending on the vehicle, the harness will be one of two types, "Active" or "Passive." The wiring section of the instructions will indicate which wiring harness style is being used and how to install it.
- The **Active Harness** plugs into the vehicle's wiring so that the vehicle's computer can communicate with the trailer wiring. This allows certain functions such as cameras or backup alarms to continue to operate as designed. Some active harnesses require reprogramming of the vehicle's computer before the trailer wiring is functional. Vehicles that require reprogramming need to be programmed at a dealership. Refer to the Active Harness section of the instructions to determine if programming is required for this install. ***This programming must be taken into account when planning the timing of the Stealth product install. The programming needs to be scheduled with a dealer in advance.***
- The **Passive Harness** is independent of the vehicle's computer and communication system. The module of the harness is powered directly from the battery rather than the vehicle's wiring harness. The module monitors the output signals from the vehicle's lights. It then powers and activates the trailer lighting accordingly.

**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.
-  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.
-  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.
-  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.
-  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](http://www.NATM.com) and your trailer and tow vehicle manufacturer's owner's manual.
-  Some accessories, like the rack receiver, are not rated for towing. Do not use any accessories without proper knowledge of their use.
-  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.
-  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.

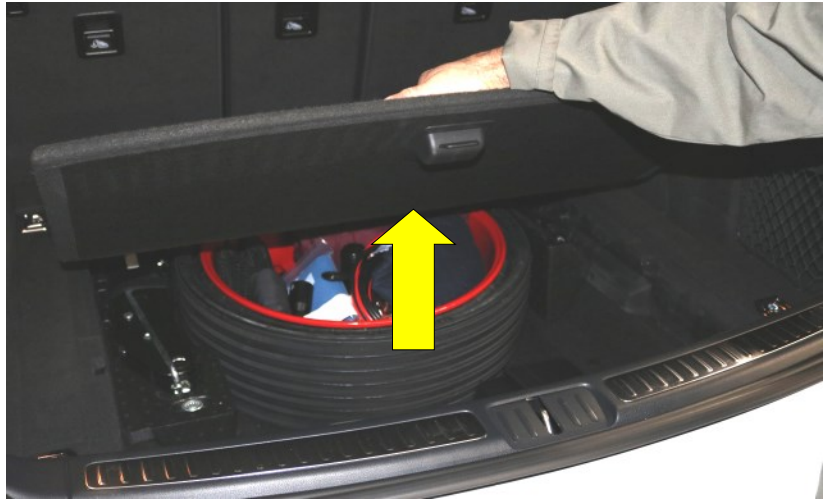


**NOTICE:** Installation of hitch requires removal of vehicle parts and interaction with vehicular electronics. Before installation, check the condition of body panels and note any locations where panels are not flush. Check the electronic functions of the vehicle, such as: headlights, taillights, turn 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.

**NOTICE:** If installing an active wiring harness, the vehicle must be programmed at a Porsche dealer after the hitch and wiring have been installed. Programming arrangement should be made in advance of installation. The 7-way plug will not function until programming is complete.

## GAIN ACCESS TO MOUNTING AREA

1. Lift up to remove cargo area floor panel.



2. Remove the access panel covers from both driver and passenger side.



T30 TORX

3. Remove spare tire, jack, and tool holder, refer to owners manual if needed. In the corners of the cargo area, locate and remove (4) cargo anchors. Each cargo anchor has (2) screws. On each side of the cargo area, remove the large plastic rails on each side of the cargo area.

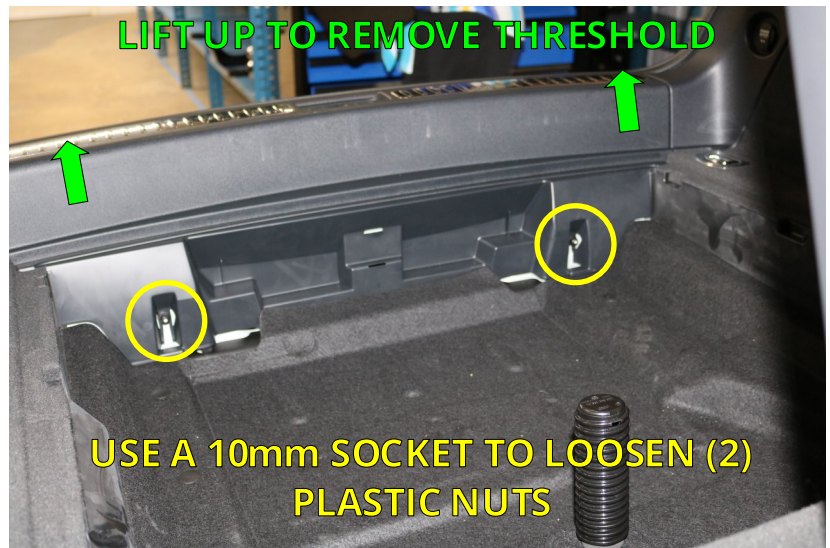


## GAIN ACCESS TO MOUNTING AREA



10mm  
SOCKET

4. In the rear of the vehicle cargo area loosen (2) plastic nuts securing the fascia. Carefully lift up and remove the threshold behind the hatch.



T30 TORX



PLASTIC  
PRY TOOLS

5. With the rear hatch open, locate and remove (2) screws from the rubber stops on both sides of the hatch frame, using a Torx. (yellow arrows)
6. Remove the plastic taillight covers using a plastic pry tool. Insert plastic pry tool and pry outward as shown.



T25 TORX

7. Under each taillight cover is a screw which is holding the fascia. Remove this screw using a Torx. Repeat on other side of vehicle.

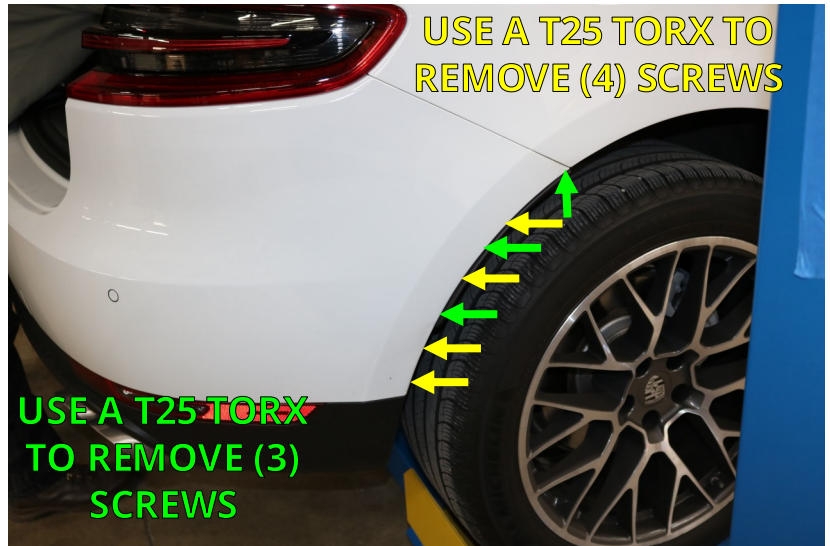


## GAIN ACCESS TO MOUNTING AREA CONTINUED



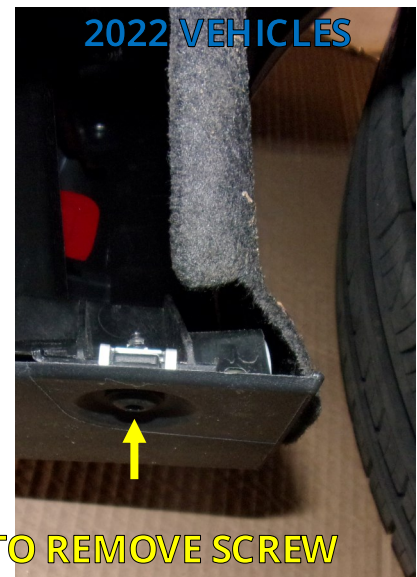
T25 TORX

8. Inside the rear wheel well, behind the tire, locate the (4) screws which are holding the wheel well liner (yellow arrows). Remove these screws and move the liner back toward the tire. Behind the liner locate and remove (3) additional screws (green arrows).



T25 TORX

9. **2014-2021 vehicles:** Locate (1) screw holding the fascia underneath the vehicle behind rear wheel. Remove this screw. Repeat Steps 8-9 on other side of vehicle.
- **2022+ vehicles:** Locate (1) screw underneath the vehicle on the bottom edge of the fascia. Remove this screw. Repeat Steps 8-9 on other side of vehicle.



T25 TORX

10. Underneath the vehicle remove (2) screws from the rear of the fascia, as shown.



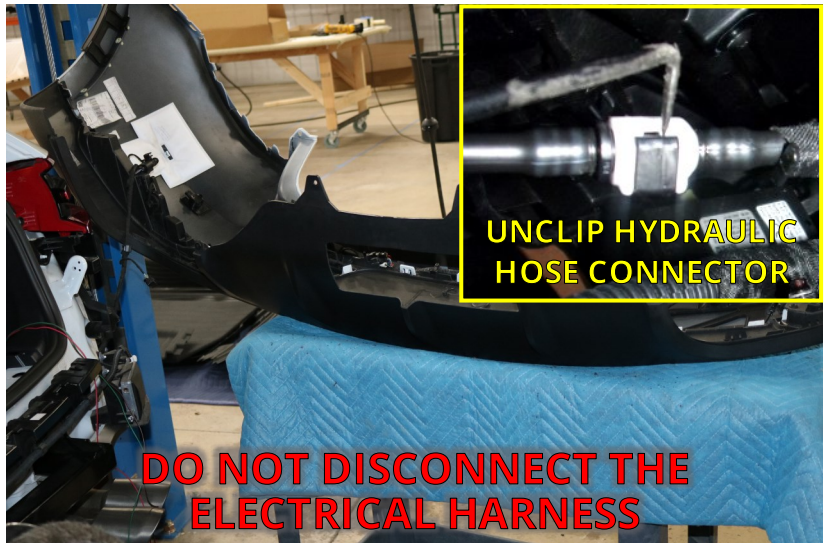
## GAIN ACCESS TO MOUNTING AREA CONTINUED



11. 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, until all the clips are released. Repeat on other side of vehicle.



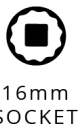
12. The fascia will not be completely disconnected from the vehicle, a wiring harness attached to the fascia must remain attached. Before removing the rear fascia, set up a stand or place a pad down near the rear passenger side of the vehicle. Carefully pull the fascia away from the vehicle. Some vehicle models may have a hydraulic hose on the driver side of the vehicle. Disconnect the hose by unclipping. Move the fascia away from the vehicle and place on the stand or pad prepared earlier.



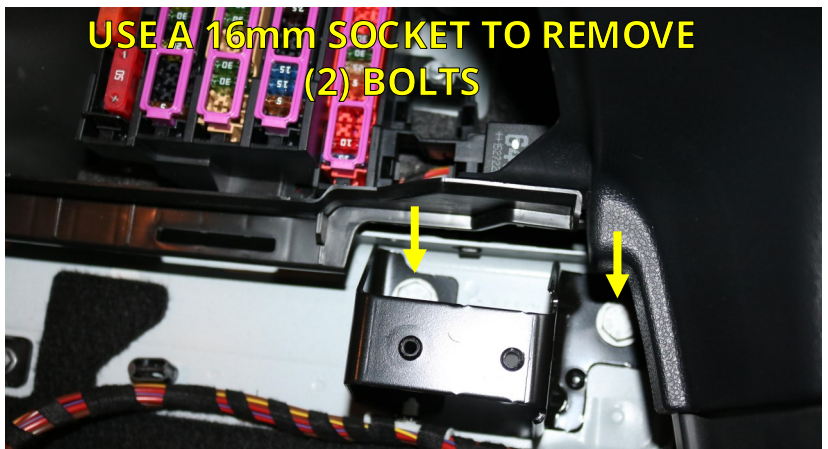
**NOTICE:** Carefully remove the fascia and place on a blanket or pad.

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

**NOTICE:** Do not allow any hydraulic oil to come into contact with the vehicle paint.

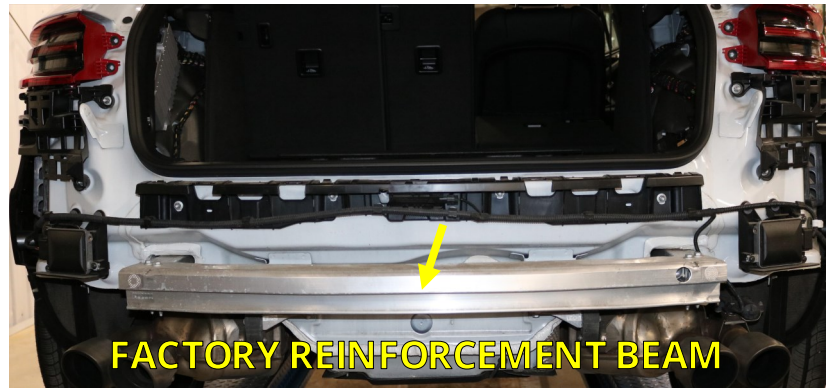


13. Inside the cargo area locate (2) bolts securing a bracket on each side of the vehicle. Remove bolts using a socket. Discard bolts that held brackets.

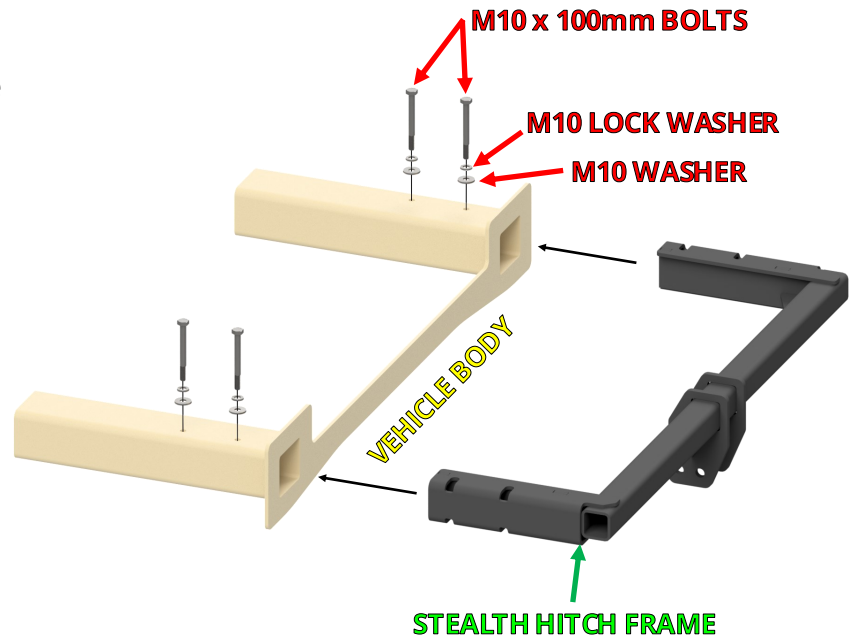


## INSTALL STEALTH HITCH FRAME

14. Slide the factory reinforcement beam to the rear to remove. Discard the factory reinforcement beam. Slide the Stealth hitch frame into the vehicle chassis channels. Align all four vehicle and hitch frame holes.



15. Center the hitch frame in the middle of the vehicle. Secure Stealth hitch frame and brackets with (4) supplied M10 bolts, lock washers, and flat washers. Torque bolts to 45 ft.-lbs.



## MOUNT LATCH BLOCK



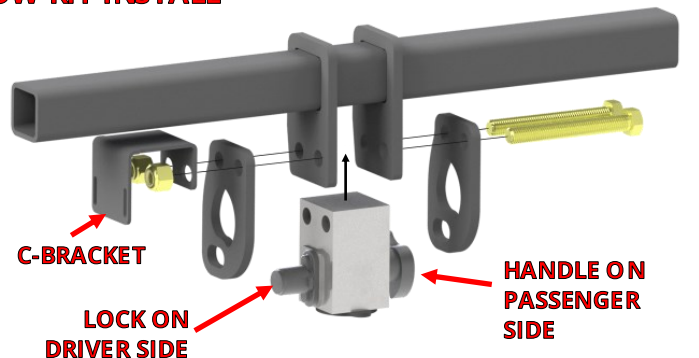
16. Installation of the latch block varies depending on which kit you are installing.
- Rack Receiver Kit:** Install the latch block with (2) 5/8"-11 x 5" bolts and (2) 5/8" nylock nuts. Tighten each bolt to 150 ft.-lbs.
  - Tow Kit:** Retrieve C-bracket from wiring harness kit box. Install the latch block, (2) chain hooks, and C-bracket 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



### TOW KIT INSTALL



IF INSTALLING A RACK RECEIVER KIT, SKIP TO STEP 43.  
IF INSTALLING A TOW KIT, CONTINUE TO STEP 17.

## INSTALL WIRING KIT

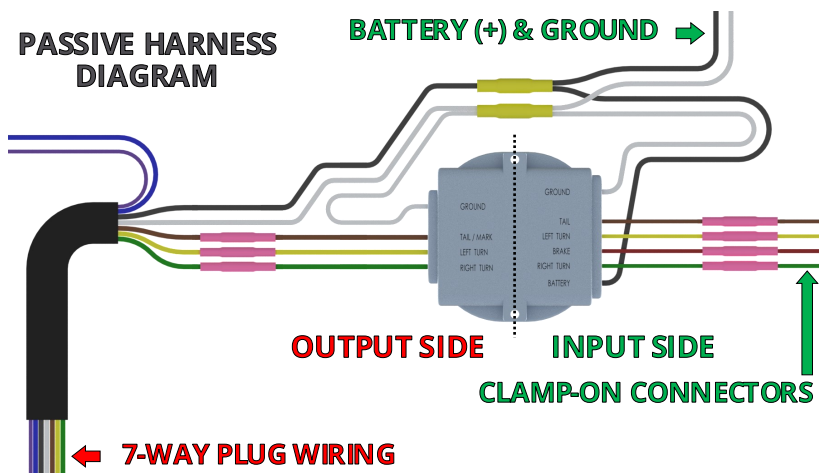


17. Locate the wiring kit box. Review the contents of the box against the list below to check for missing components.

- The **passive wiring kit** uses a control module to manage the functions of the trailer lighting. The module has an “input” side that receives power from the vehicle’s battery and signals from the vehicle’s taillights. The “output” side of the module delivers this information to the 7-way plug, *see passive harness diagram*. The control module is connected to the vehicle’s battery and taillight wiring as outlined in the next steps.
- The **active wiring kit** uses a Porsche computer control module to manage the functions of the trailer lighting. The module must be “programmed” before it will be functional. The module will connect to the vehicle through an included wire harness. The harness has an “input” side that receives power and signals from the vehicle’s electronic systems. The “output” side of the harness delivers this information to the 7-way plug. The harness and computer module installation are outlined in the next steps.

**NOTICE: Do not allow electrical system to become disconnected from power or ground. Doing so may interrupt electrical systems.**

### PASSIVE HARNESS DIAGRAM



### PASSIVE WIRING KIT BOX

| #  | DESCRIPTION                    | QTY |
|----|--------------------------------|-----|
| 1  | 7-WAY UNIVERSAL WIRING HARNESS | 1   |
|    | • FUSE HOLDER & FUSE           |     |
|    | • CONTROL MODULE               |     |
| 2  | ADHESIVE FOAM STRIP            | 2   |
| 3  | 5/8" LONG PHILLIPS SCREWS      | 6   |
| 4  | #10 LOCK NUT                   | 6   |
| 5  | FORK TERMINAL                  | 1   |
| 6  | CLAMP-ON CONNECTORS            | 5   |
| 7  | CABLE TIE - 8"                 | 4   |
| 8  | CABLE TIE - 14"                | 3   |
| 9  | C-BRACKET                      | 1   |
| 10 | MOUNTING BRACKET               | 1   |
| 11 | 7-POLE HOUSING                 | 1   |
| 12 | 7-POLE TO 4-POLE ADAPTER       | 1   |



### ACTIVE WIRING KIT BOX

| #  | DESCRIPTION               | QTY |
|----|---------------------------|-----|
| 1  | WIRING HARNESS            | 1   |
|    | • "Y" HARNESS CABLE       |     |
| 2  | PORSCHE CONTROL MODULE    | 1   |
| 3  | 5/8" LONG PHILLIPS SCREWS | 6   |
| 4  | #10 LOCK NUT              | 6   |
| 5  | 20 AMP FUSE               | 3   |
| 6  | 30 AMP FUSE               | 1   |
| 7  | CABLE TIE - 8"            | 4   |
| 8  | CABLE TIE - 14"           | 3   |
| 9  | C-BRACKET                 | 1   |
| 10 | MOUNTING BRACKET          | 1   |
| 11 | 7-POLE HOUSING            | 1   |
| 12 | 7-POLE TO 4-POLE ADAPTER  | 1   |



## INSTALL WIRING KIT CONTINUED

18. Place control module in rear passenger side cargo area. Locate rubber grommet on rear of vehicle, behind Stealth hitch frame. Remove the grommet.



DRILL &  
3/8" BIT

19. Drill a 3/8" hole in the grommet. Feed output wires through grommet from inside to the outside of the vehicle.

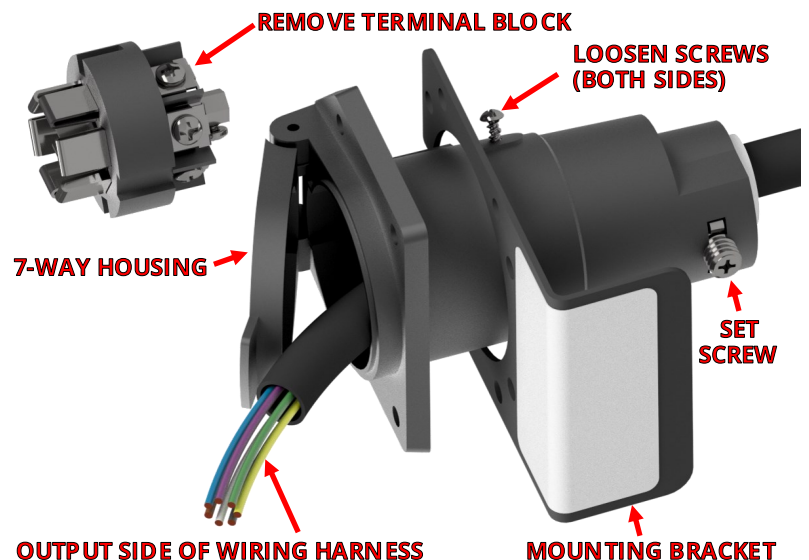


## WIRE 7-WAY PLUG



PHILLIPS HEAD  
SCREWDRIVER

20. Locate 7-way housing. Use a screwdriver to loosen (2) screws. Remove 7-way round terminal block. Place the mounting bracket onto the 7-way housing as shown. Use a screwdriver to loosen the set screw at the bottom of the 7-way housing. Route output side wires of the wiring harness through the 7-way housing.



## WIRE 7-WAY PLUG CONTINUED

Please follow instructions below very carefully.

Incorrect wiring of the 7-way receptacle causes the vast majority of wiring problems.



PHILLIPS HEAD  
SCREWDRIVER

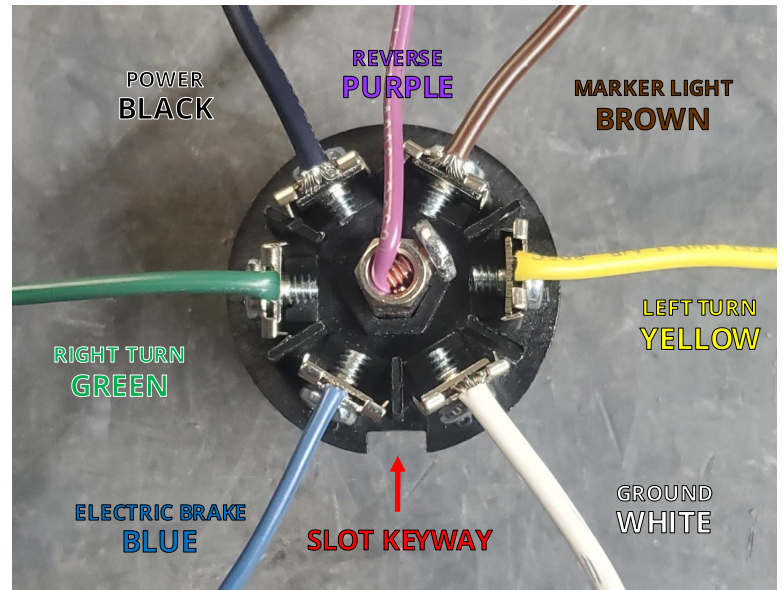


STRIPPER/  
CRIMPING  
TOOL

21. Locate the slot keyway.  
Starting from the keyway  
going **clockwise**, attach the  
wires as follows:

- Blue
- Green
- Black
- Brown
- Yellow
- White
- Purple (middle)

**NOTICE:** Markings on the  
receptacle may not match the  
correct wire configuration.  
Please disregard and follow the  
instruction above.



IF INSTALLING AN **ACTIVE** TOW KIT, SKIP TO STEP 26.

IF INSTALLING A **PASSIVE** TOW KIT, CONTINUE TO STEP 22.

## INSTALL PASSIVE WIRING KIT



PLIERS

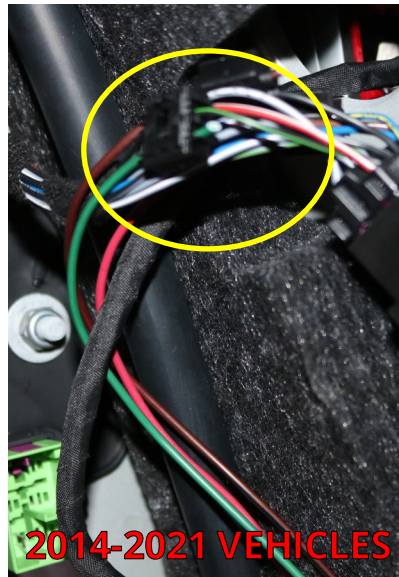


MULTIMETER

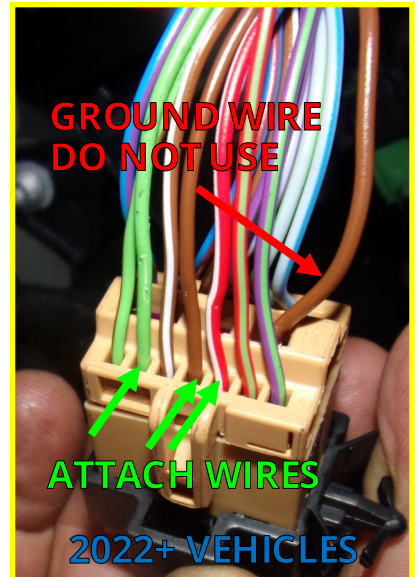
22. The wires on the input side of  
the wiring module need to be  
attached to the vehicle wiring.  
Inside the passenger side  
compartment, use clamp-on  
connectors to connect the  
green, brown, and red wires  
to wires behind taillight. (See  
reference table on next page.)

**NOTICE:** on 2022+ vehicles two  
brown wires may be present.  
Use the wires in the indicated  
row. The larger brown wire in  
the other row is a ground wire.

**NOTE:** Vehicles may have different  
wire colors than those shown. Verify  
circuits (wire colors) with  
multimeter.



2014-2021 VEHICLES



2022+ VEHICLES

## INSTALL PASSIVE WIRING KIT CONTINUED



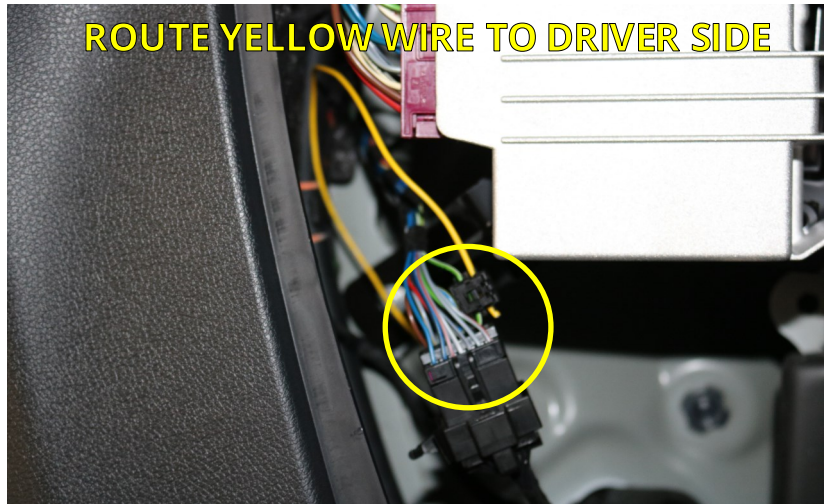
PLIERS



MULTIMETER

23. Use an existing vehicle wire harness as a guide to route the yellow input wire to the driver side of the vehicle. Locate the indicated part of the vehicle wiring harness. Use a clamp-on connector to connect the yellow wire to left turn signal wire behind the taillight. (As shown in reference table below.)

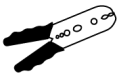
**ROUTE YELLOW WIRE TO DRIVER SIDE**



**CLAMP-ON CONNECTOR COLOR REFERENCE TABLE**

| SIGNAL INPUT WIRES |                                                                                            |                                                                                                                                                                                                                                                                                                                    |                                                                                               | POWER & GROUND WIRES |                                                                                           |             |
|--------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------|-------------------------------------------------------------------------------------------|-------------|
| FUNCTION           | HARNESS                                                                                    | MODEL YEAR                                                                                                                                                                                                                                                                                                         | VEHICLE                                                                                       |                      |                                                                                           |             |
| LEFT TURN          |  YELLOW   | (2014-2021)                                                                                                                                                                                                                                                                                                        |  GREEN/WHITE | 12V+<br>(POWER)      |  BLACK | BATTERY (+) |
|                    |                                                                                            | (2022)                                                                                                                                                                                                                                                                                                             |  YELLOW      |                      |                                                                                           |             |
| RIGHT TURN         |  GREEN    | (2014-2021)                                                                                                                                                                                                                                                                                                        |  BLACK/GREEN | GROUND               |  WHITE | GROUND STUD |
|                    |                                                                                            | (2022)                                                                                                                                                                                                                                                                                                             |  GREEN       |                      |                                                                                           |             |
| MARKER             |  BROWN   | (2014-2021)                                                                                                                                                                                                                                                                                                        |  BLACK      |                      |                                                                                           |             |
|                    |                                                                                            | (2022)                                                                                                                                                                                                                                                                                                             |  BROWN     |                      |                                                                                           |             |
| BRAKE              |  RED    | (2014-2021)                                                                                                                                                                                                                                                                                                        |  BLUE      |                      |                                                                                           |             |
|                    |                                                                                            | (2022)                                                                                                                                                                                                                                                                                                             |  RED/WHITE |                      |                                                                                           |             |
| REVERSE            |  PURPLE | For use with trailer reverse lights or to disable the trailer brakes when backing with surge brakes. To connect, isolate vehicle's reverse light circuit and connect the purple wire from the trailer wiring harness to vehicle reverse light circuit. <b>Trailers rarely have reverse lights or surge brakes.</b> |                                                                                               |                      |                                                                                           |             |
| ELECTRIC BRAKE     |  BLUE   | Only used when a hard wired brake controller is mounted inside the vehicle and your trailer has electric brakes. See brake controller instructions for this wire.                                                                                                                                                  |                                                                                               |                      |                                                                                           |             |

**NOTE: If two colors are listed, the first color is the dominant color.**



STRIPPER/  
CRIMPING  
TOOL



10mm  
SOCKET

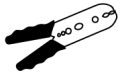
24. Locate the ground stud in the rear passenger side cargo area. Trim white ground wire so it will reach stud without excess wire. Crimp supplied fork terminal to the ground wire with a crimping tool. Loosen the ground stud and secure the terminal to the ground stud.

**NOTICE: Loosen ground stud just enough to install fork terminal, so vehicle wiring does not lose ground.**



**USE A 10mm SOCKET TO LOOSEN NUT**

## INSTALL PASSIVE WIRING KIT CONTINUED



STRIPPER/  
CRIMPING  
TOOL



13mm  
SOCKET



25. Locate the fuse holder supplied in the wiring kit box. Remove the fuse from fuse holder. Crimp fuse holder lead to black power wire and connect to the positive battery terminal (+).

**Skip to Step 39 to complete installation.**

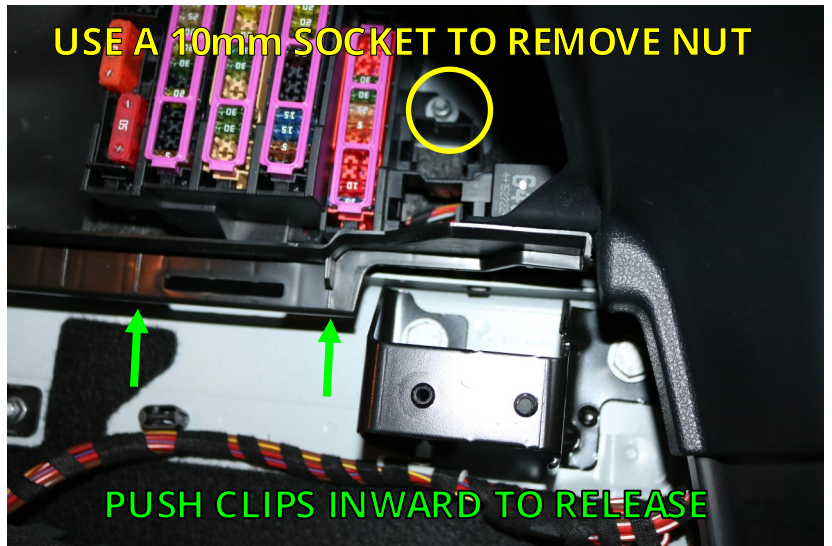


## INSTALL ACTIVE WIRING KIT



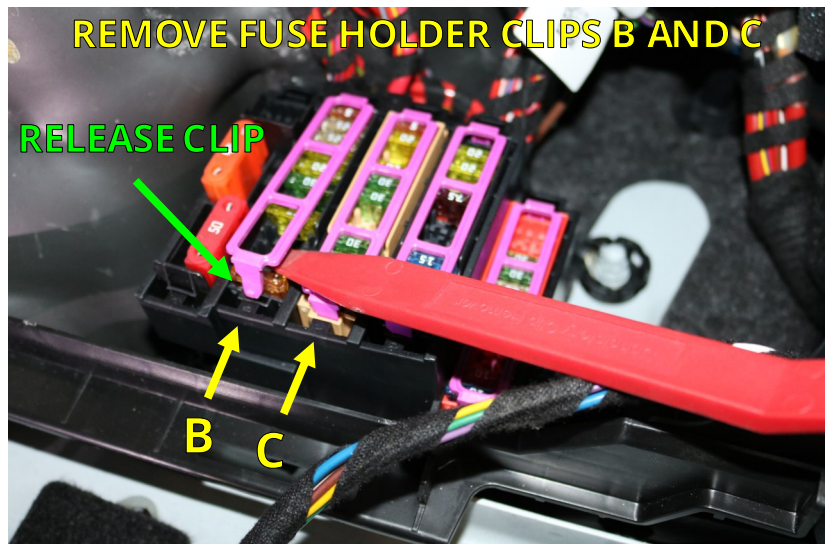
10mm  
SOCKET

26. Locate fuse panel box in the passenger side cargo area. To remove the fuse panel box holder, remove nut with a socket. Push in (2) clips and lift upward to remove panel.



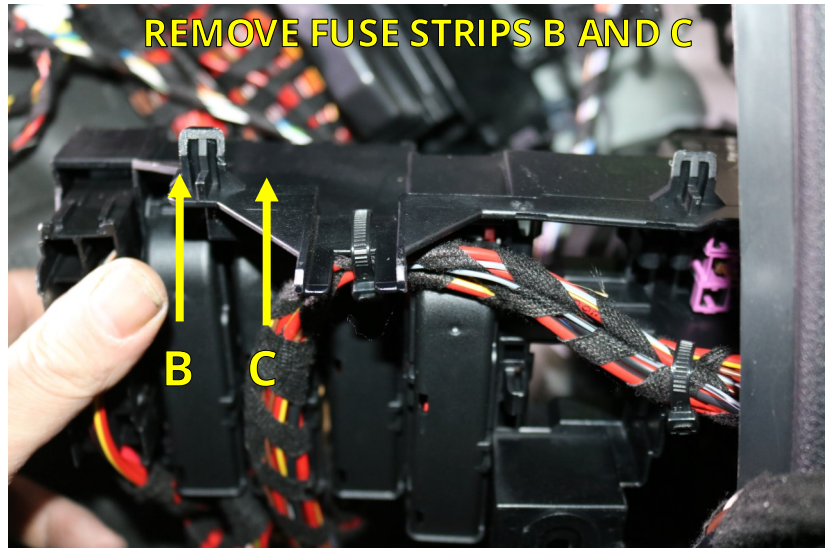
PLASTIC  
PRY TOOLS

27. Remove plastic fuse holder clips B and C. To remove pry upward using a plastic pry tool and push release clip inward.



## INSTALL **ACTIVE** WIRING KIT CONTINUED

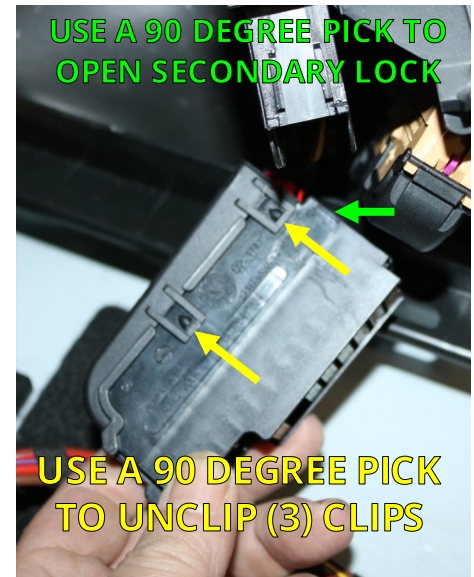
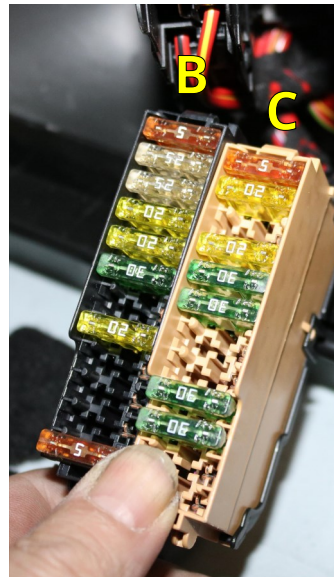
28. Flip over fuse panel box. Push fuse strips B and C upward to remove.



90 DEGREE  
PICK

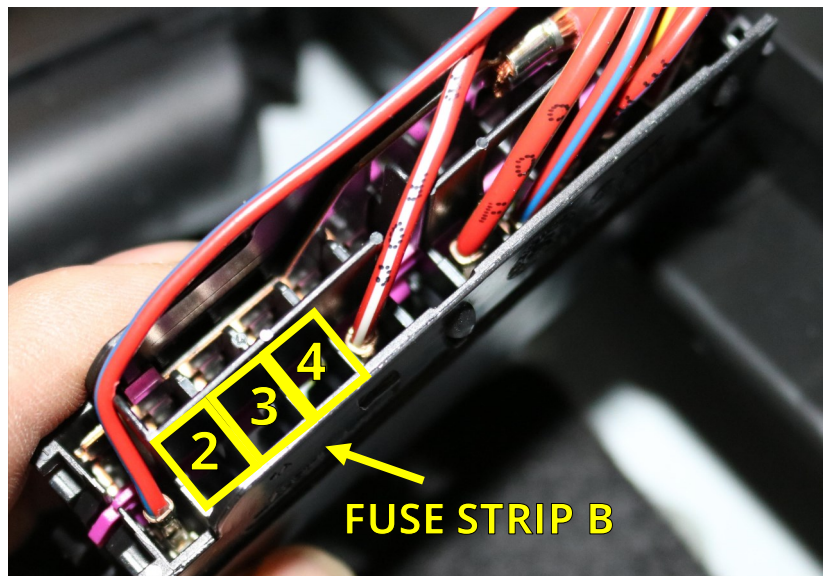
29. After removing fuse strips B and C, unclip the (3) release clips on fuse strip cap to gain access to fuse wires.

30. Use a 90 degree pick to open the secondary lock.



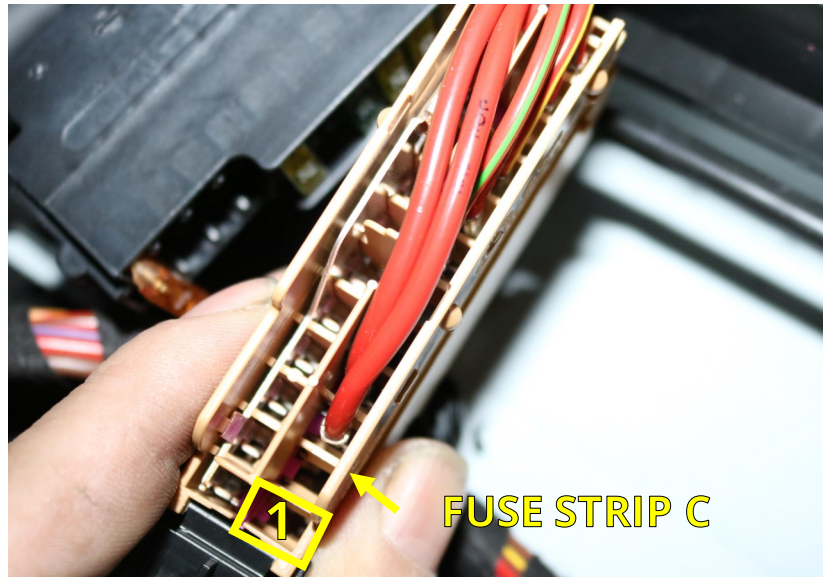
31. Insert (3) short wire terminal connectors from the 6 pin wiring harness into fuse strip B as indicated below.

- Slot 2 – 16 ga. Red/White
- Slot 3 – 16 ga. Red/Yellow
- Slot 4 – 16 ga. Red/Blue



## INSTALL **ACTIVE** WIRING KIT CONTINUED

32. Insert (1) long terminal connector from the 6 pin wiring harness into fuse strip C as indicated below.
- Slot 1 – 14 ga. Red/White (Long wire)
33. Complete Steps 27 to 31 in reverse order to reinstall fuse strips and fuse box holder. Leave the fuse holder clips removed in Step 28 off.



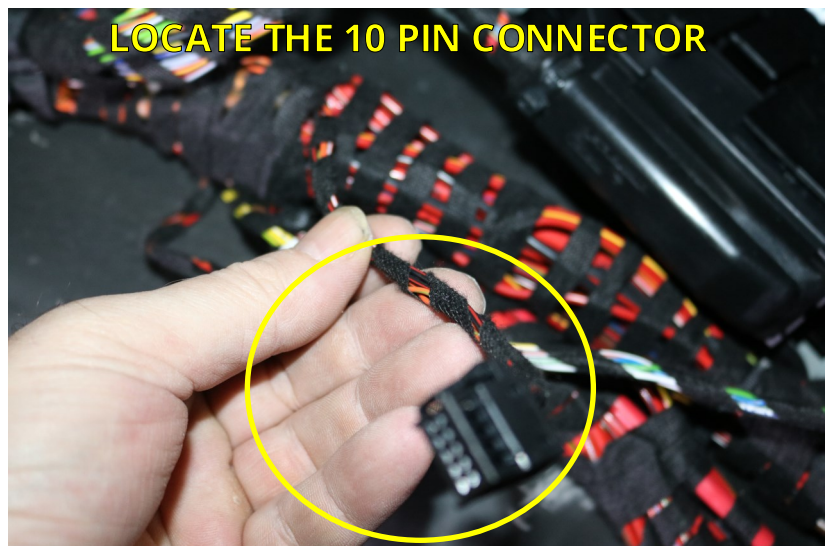
10mm  
SOCKET

34. Locate the ground stud in the rear passenger side cargo area. Carefully remove the ground stud and at the same time, keep the wires grounded here in continuous contact with the stud. Place the ground ring connectors, of both white (ground) wires, over the stud. Replace the nut and tighten.

**NOTICE: Do not allow vehicle wiring to lose ground contact.**

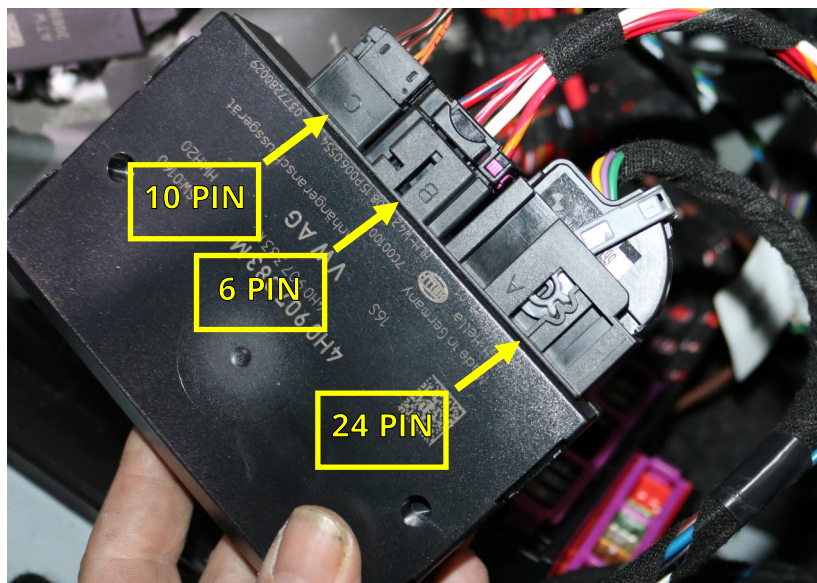


35. Find and locate 10 pin connector on the vehicle wiring harness.



## INSTALL **ACTIVE** WIRING KIT CONTINUED

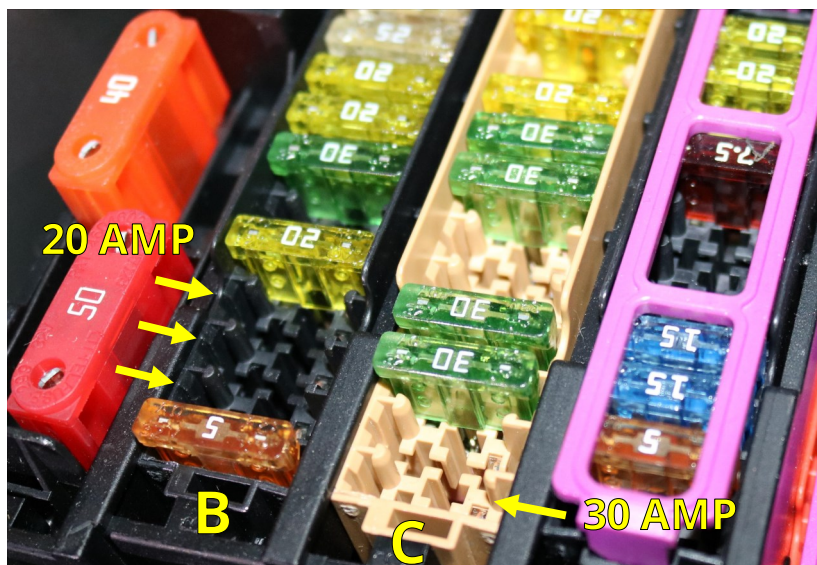
36. Retrieve the control module. Insert the "Y" harness (24) pin connector in the control module and lock it with the lock clip. Insert the "Y" harness (6) pin connector and the vehicle (10) pin connector in to the control module.



37. Insert the control module in slot, and clip it in.



38. On fuse block B insert (3) 20 Amp fuses in Slots 2, 3, and 4. On fuse block C insert (1) 30 Amp fuse in Slot 1. Reinstall fuse holder clips removed in Step 28.



## TEST 7-WAY HARNESS WIRING



PHILLIPS HEAD  
SCREWDRIVER

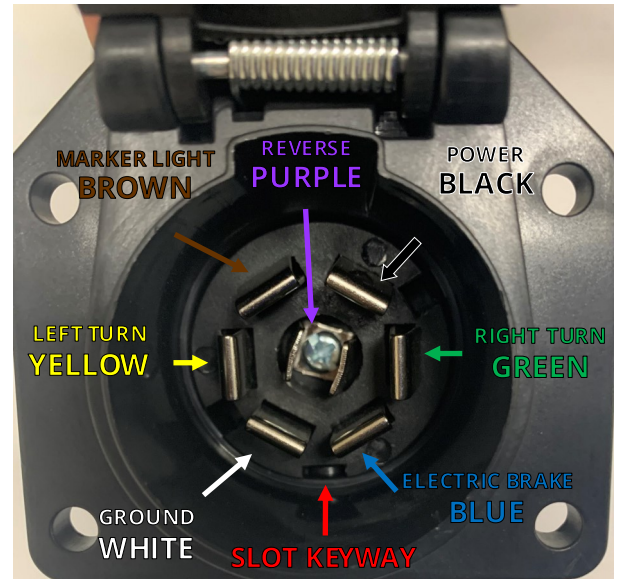


MULTIMETER

39. Put the 7-way receptacle back together. While everything is still accessible, you should test the wiring to make sure everything is connected properly and in working order. **If installing a passive wiring harness, replace the 20 Amp fuse into the fuse holder located near the battery.**

**NOTICE:** Most **Active** harness installations will require programming before testing can be completed. Testing Active wiring harness installations with a multimeter or LED tester may not work. Some vehicles may need to “sense” the current being used by the plug to function. After programming is complete, use an incandescent light testing device or trailer to test in these specific cases.

- Start by connecting the multimeter negative probe to the ground blade on the 7-way receptacle.
- Next, connect the multimeter positive probe to the power blade on the 7-way receptacle and check for 12 volts.
- Once that is confirmed, move the positive probe to the left turn blade on the 7-way receptacle and check for 12 volts when the vehicle left turn blinker is active. You should see it pulse.
- Next, move the positive probe to the right turn blade and check for 12 volts when the right turn blinker is active. You should see it pulse.
- Next, move the positive probe to the marker/taillights. With the vehicle lights on you should see 12 volts constant.
- Lastly, with the brake depressed, move the positive probe to the left turn blade where you should see 12 volts constant. Move the probe to the right turn blade where you should also see 12 volts constant.



## MOUNT 7-WAY HARNESS WIRING



PHILLIPS HEAD  
SCREWDRIVER

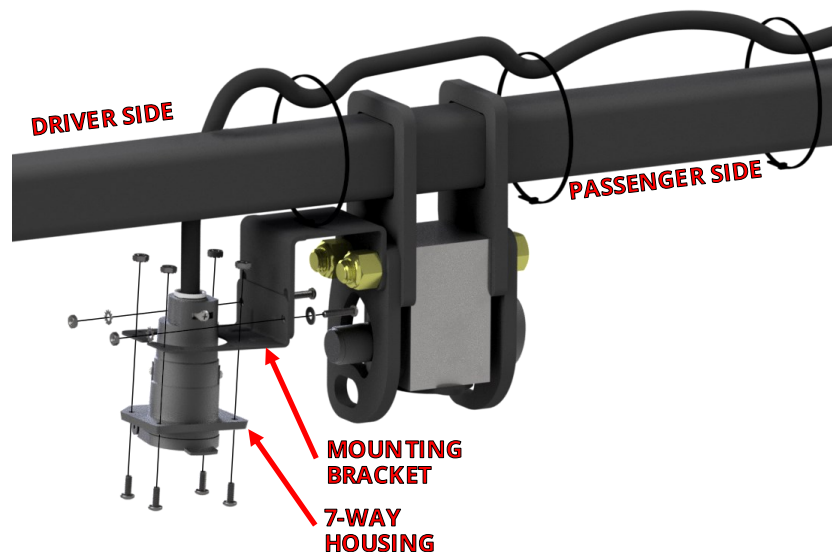


SILICONE

40. Attach the mounting bracket and 7-way housing to the Stealth hitch frame as shown. Secure harness to Stealth hitch frame with cable ties.

41. Secure all wires and wiring components. Use the remaining cable ties to secure wiring so that it is not loose and will not interfere with replacement of the fascia. Wiring should not be visible once the vehicle is reassembled. Reinstall grommet and use silicone to waterproof it.

42. If installing a passive wiring harness, use the provided adhesive foam strips to secure the control module to an inside body panel.



## CUT ACCESS TO LATCH BLOCK



DRILL &  
3/8" BIT



DREMEL TOOL



FILE

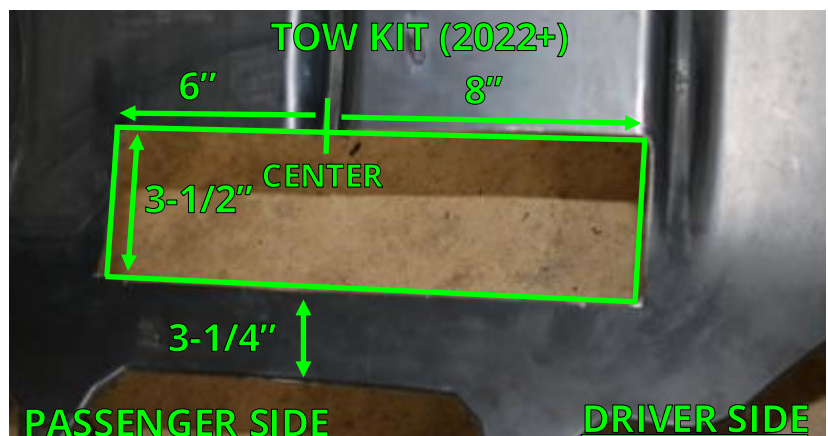
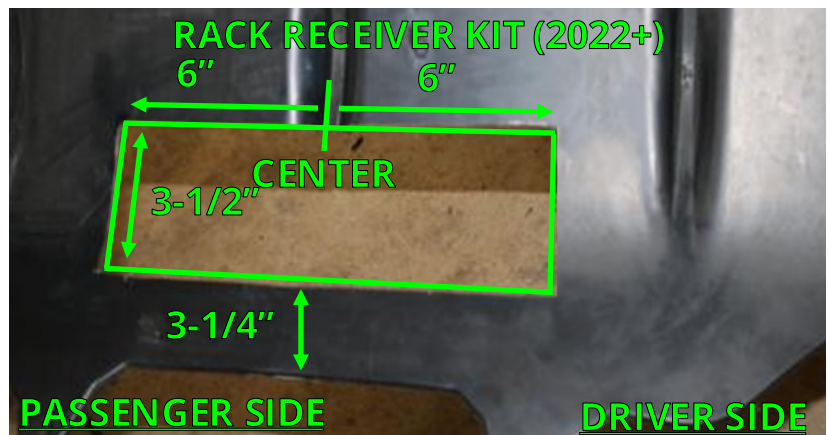
43. **2014-2021 vehicles:** Cut out the fascia with Dremel tool. As shown in the two images with yellow text. Use a file to smooth out the cut.

**NOTE:** The access hole necessary is different for the rack receiver and tow kits. Follow correct template.

- **2022+ vehicles:** Cut out the fascia with Dremel tool. As shown in the two images with green text. Use a file to smooth out the cut.

**NOTE:** The access hole necessary is different for the rack receiver and tow kits. Follow correct template.

**NOTE:** Images for 2022+ models may differ slightly from vehicle components.



## REINSTALL VEHICLE COMPONENTS

44. Reattach and secure the fascia and other vehicle components in reverse order. Refer to Steps 1-14.



45. **2014-2021 vehicles:** View of the finished tow kit installation.

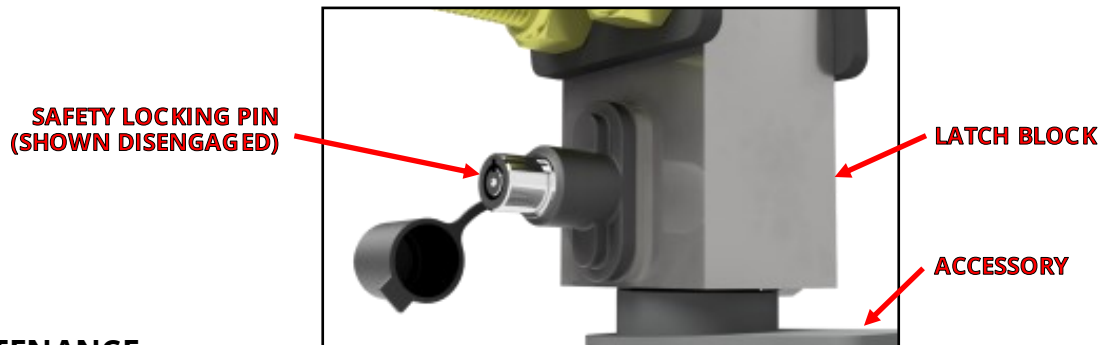


- **2022+ vehicles:** View of the finished rack kit installation.



## FINAL VEHICLE EXAMINATION

46. Examine the body panels to ensure that they are in a pre-installation condition. Test the electronic functions of the vehicle. Correct any inconsistencies.
47. 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.

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