

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



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See Limited Lifetime Warranty at [bwtrailerhitches.com/warranty](http://bwtrailerhitches.com/warranty)

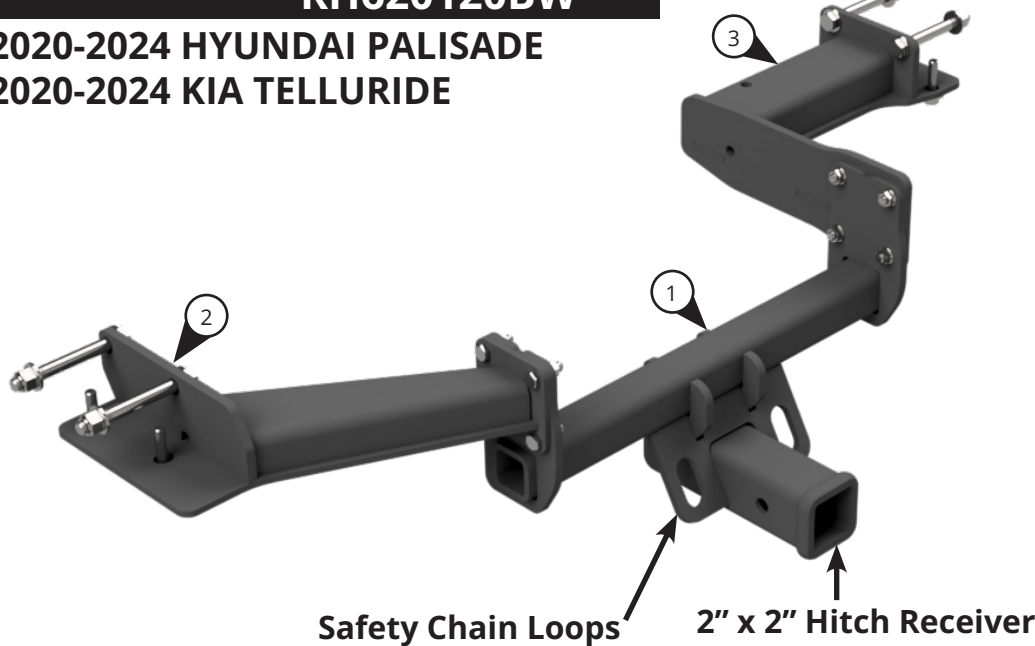
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 Installation Support*  
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## Receiver Hitch Installation Instructions

**MODEL** RH620120,  
 RH620120BW

**2020-2024 HYUNDAI PALISADE**  
**2020-2024 KIA TELLURIDE**

**MAXIMUM TOW RATING (GTW):** 6000 LBS  
**MAXIMUM TONGUE WEIGHT (VTW):** 750 LBS



BOX: RH620120		
#	DESCRIPTION	QTY
1	Hitch Frame	1
2	Driver Side Piece	1
3	Passenger Side Piece	1

BOLT BAG: 2120-62001-00	
DESCRIPTION	QTY
M10 x 40mm Cap Screw	4
M10 Flat Washer	4
M10 Lock Washer	4
3/8" x 1-1/4" Cap Screw	8
3/8" Flange Lock Nut	8
1/2" x 4-1/2" Cap Screw	4
1/2" Nylon Lock Nut	4
1/2" Flat Washer	8

### IMPORTANT SAFETY NOTICE FOR HITCH INSTALLERS AND CUSTOMERS.

Read all installation and operating instructions along with all labels before installing or using this product.

#### **⚠️ 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 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.
- ⚠️ 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.
- ⚠️ 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.
- ⚠️ A visual inspection of the towing components 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, tow vehicle receiver, trailer coupler and frame. 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.
- ⚠️ 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.
- ⚠️ Always use safety chains while towing. Crossing the safety chains under the tongue of trailer may prevent some damage to the trailer if detachment occurs.

**NOTE:** Use the parts list on the front page to verify that all parts and hardware are present.

### TOOLS REQUIRED

- 3/4" & 9/16" end wrench
- Torque wrench
- Impact wrench or ratchet
- Flathead screwdriver
- 14mm, 17mm, 21mm, 3/4", & 9/16" sockets
- Safety glasses
- Ratchet strap
- Pry bar
- 90 degree pick tool
- Flashlight
- Wire brush

### PREPARE TO INSTALL



SPARE TIRE LEVER

- OR -



21mm SOCKET



FLATHEAD SCREWDRIVER

1. Inside the rear cargo area, lift rear floor panel to gain access to the spare tire lowering nut, see Figure A1.



**FIGURE A1:** VIEW OF FLOOR INSIDE THE CARGO AREA

2. Lower and remove the spare tire. Refer to the vehicle owner's manual if needed, see Figure A2.



**FIGURE A2:** VIEW UNDER THE REAR OF THE VEHICLE



90 DEGREE PICK

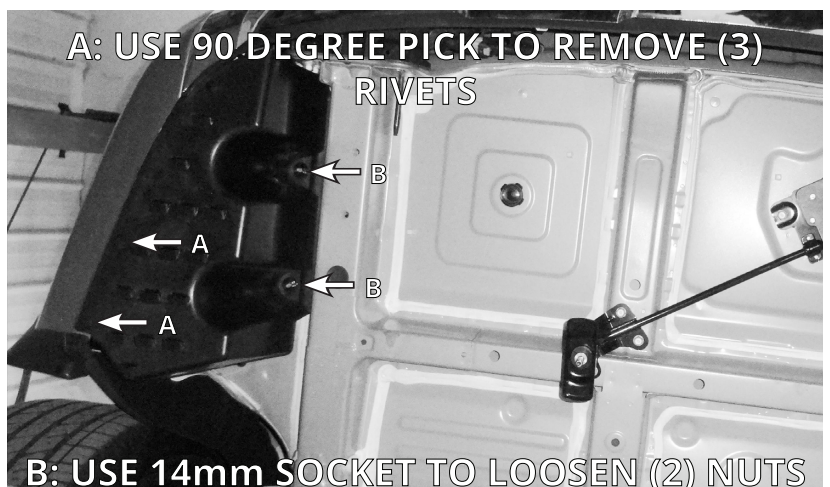


14mm SOCKET

3. Under the rear of the vehicle, locate the driver side gravel guard. Use a 90 degree pick tool and 14mm socket to remove the gravel guard, see Figure A3.

**A:** Remove three plastic rivets with a 90 degree pick tool.

**B:** Loosen two nuts with a 14mm socket.



**FIGURE A3:** VIEW UNDER THE REAR OF THE VEHICLE

## PREPARE TO INSTALL CONTINUED



RATCHET STRAP



PRY BAR

- Attach a ratchet strap under the vehicle to support the exhaust. Above the exhaust are three rubber isolators, as shown in Figure A4. Use a pry bar to disconnect the isolators from the vehicle. Using the ratchet strap, lower the exhaust to gain access to the area above the exhaust.

**NOTE:** Spray lubricant on the connection points to ease removal.

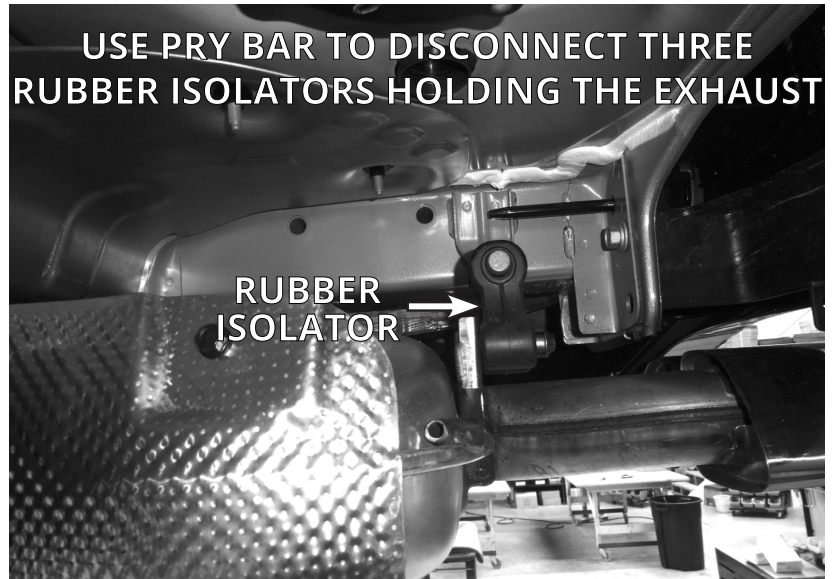


FIGURE A4: VIEW UNDER THE REAR OF THE VEHICLE



WIRE BRUSH

- On each side of the vehicle, locate the two threaded holes on the underside of the chassis beam, as shown in Figure A5. These threaded holes will be used for the installation. They need to be free from debris to allow a cap screw to be threaded into them. A wire brush can be used to clean these holes. Screw four supplied M10-1.25 x 40mm cap screws into these holes to confirm they are clean and have no obstructions. Remove the cap screws.

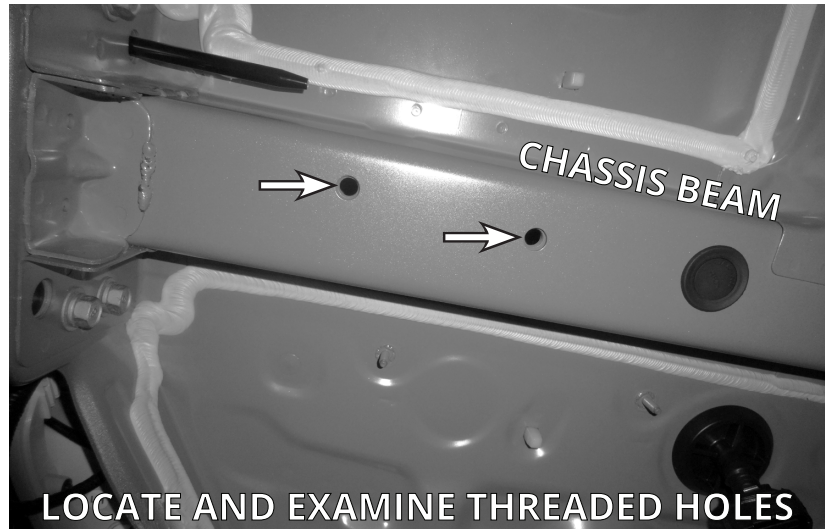


FIGURE A5: VIEW UNDER THE REAR OF THE VEHICLE

## INSTALL HITCH FRAME



9/16" SOCKET



9/16" OPEN END WRENCH



RATCHET



TORQUE WRENCH

- The hitch frame is made up of three pieces which must be assembled. Retrieve the three hitch frame pieces, eight 3/8" X 1-1/4" cap screws, and eight 3/8" flange nuts. Use Figure B1 to orient and assemble the hitch frame.

- Torque the eight bolted connections to 45 ft.-lbs.

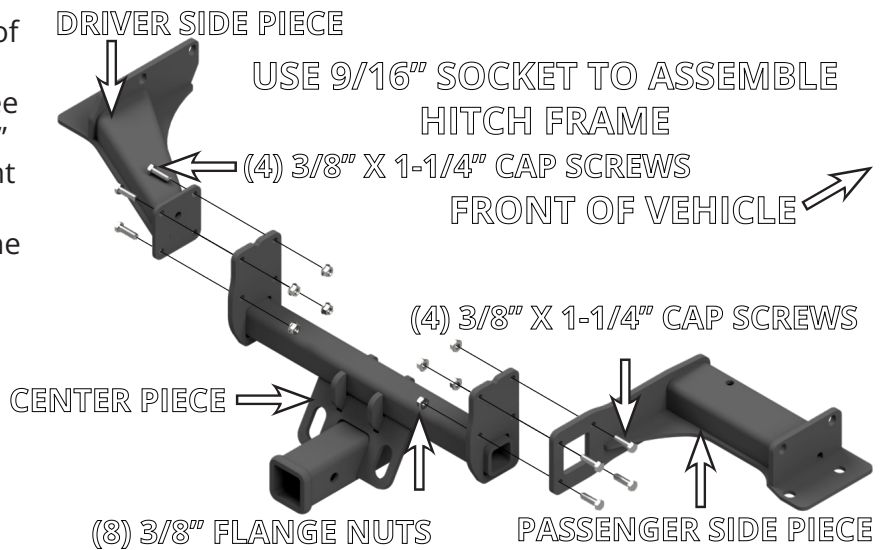


FIGURE B1: VIEW OF HITCH FRAME ASSEMBLY

## INSTALL HITCH FRAME CONTINUED



17mm  
SOCKET



3/4"  
SOCKET



3/4" OPEN  
END WRENCH



TORQUE  
WRENCH

7. Lift the hitch frame under the vehicle and align the top holes with the vehicle chassis holes. Insert supplied 1/2" x 4-1/2" cap screws and flat washers from the inside, as shown in Figure B2, to hold the hitch frame in place.

8. Align the four holes on the bottom of the hitch frame with the threaded holes on the underside of the chassis beams. Insert four M10 cap screws, lock washers, and flat washers, as shown in Figure B2. Add 1/2" washers and nuts to the four 1/2" cap screws that are inserted from the side.

- Tighten and torque the M10 cap screws to 45 ft.-lbs.
- Tighten and torque the 1/2" cap screws to 100 ft.-lbs.

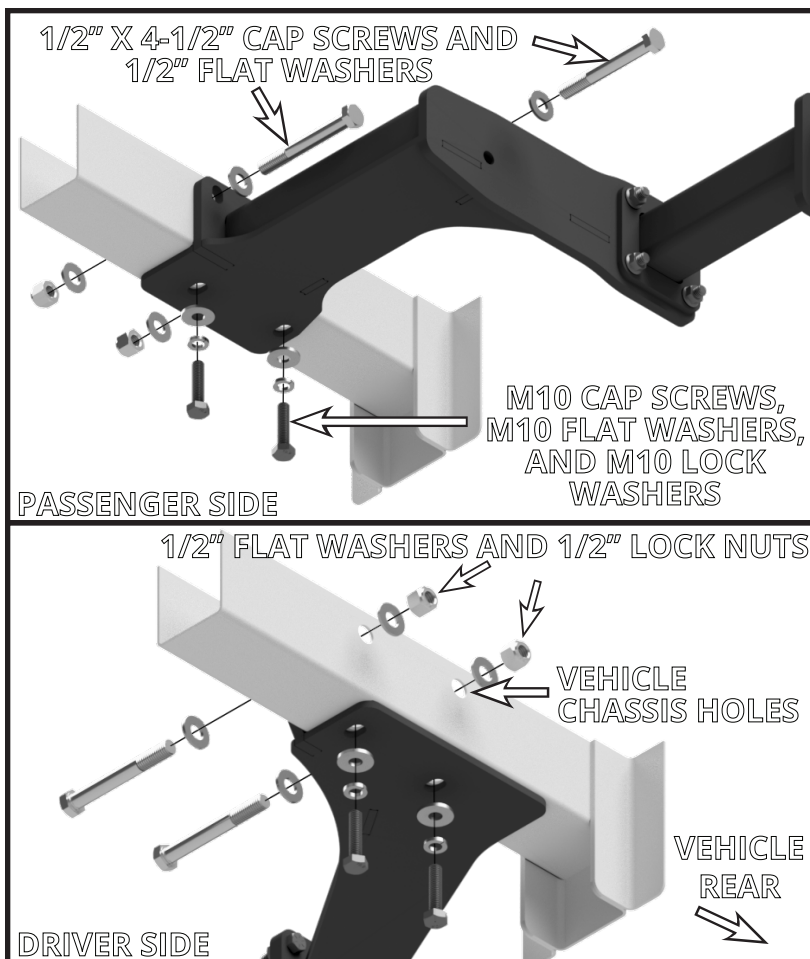


FIGURE B2: VIEW OF HITCH FRAME ASSEMBLY

## REINSTALL VEHICLE COMPONENTS

9. Reattach the exhaust and spare tire. Refer to Steps 1-4. See Figure C1 for view of finished install from underneath the vehicle.



FIGURE C1: VIEW OF HITCH FRAME ASSEMBLY