12159 INSTALLATION INSTRUCTIONS

Safety glasses should be worn at all times while installing this product.

YEARS: 2017-PRESENT | **MAKE: CHRYSLER** | **MODEL: PACIFICA** | **STYLE: VAN**

WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY
For more information log onto www.curtmfg.com & for helpful towing tips log onto www.hitchinfo.com

WEIGHT CARRYING:

TRAILER WEIGHT:	3,500 LBS.
TONGUE WEIGHT:	350 LBS.

WARNING:
WE RECOMMEND THE USE OF 18050 STABILIZING STRAPS FOR ALL NON-TRAILER (WHEEL-LESS) LOADS. PLEASE SEE THE CURT CATALOG OR VISIT US ONLINE AT WWW.CURTMFG.COM FOR FURTHER INFORMATION.

PRO INSTALL TIME:	**30 MIN.**
NOVICE INSTALL TIME:	**60 MIN.**

IF YOU ARE HESITANT TO UNDERTAKE THIS TASK ON YOUR OWN, CONTACT AN AUTHORIZED CURT INSTALLER FOR ADDITIONAL ASSISTANCE.

INSTALLATION REQUIRES:


RATCHET


TORQUE WRENCH


6" SOCKET EXTENSION


8mm 10mm 3/4" SOCKET


UNIVERSAL JOINT SOCKET


SCREW DRIVER


MASKING TAPE


AVIATION SHEARS

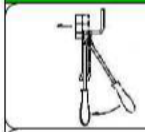
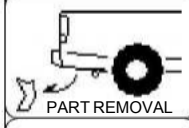
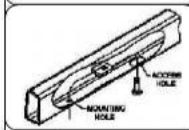
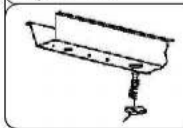

SAFETY GLASSES

INSTALLATION TIPS:

1. BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
2. TO EASE INSTALLATION, 2 PEOPLE MAY BE REQUIRED.
3. USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.
4. NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 877.287.8634

LEVEL OF DIFFICULTY: MODERATE

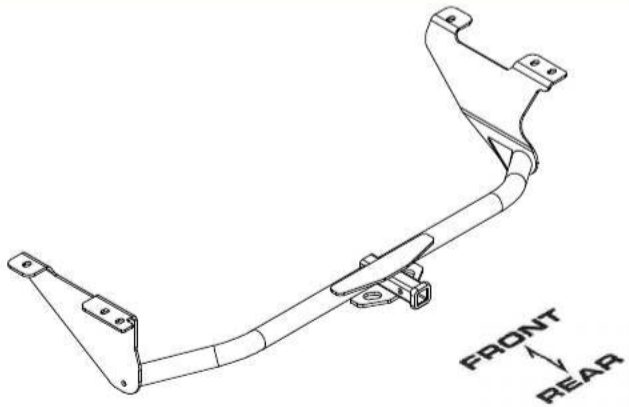
EASY | MODERATE | CHALLENGING

	LOWER EXHAUST
 PART REMOVAL	TEMPORARILY REMOVE UNDERBODY PANEL & HEAT SHIELD
 TRIM	TRIMMING REQUIRED
	FISHWIRE (4) BOLTS
	REVERSE FISHWIRE (2) BOLTS

VEHICLE PHOTO:

REPRESENTATIVE PHOTO

HITCH ILLUSTRATION:



MAKE SURE YOUR HITCH MATCHES

SCAN FOR MORE INFO

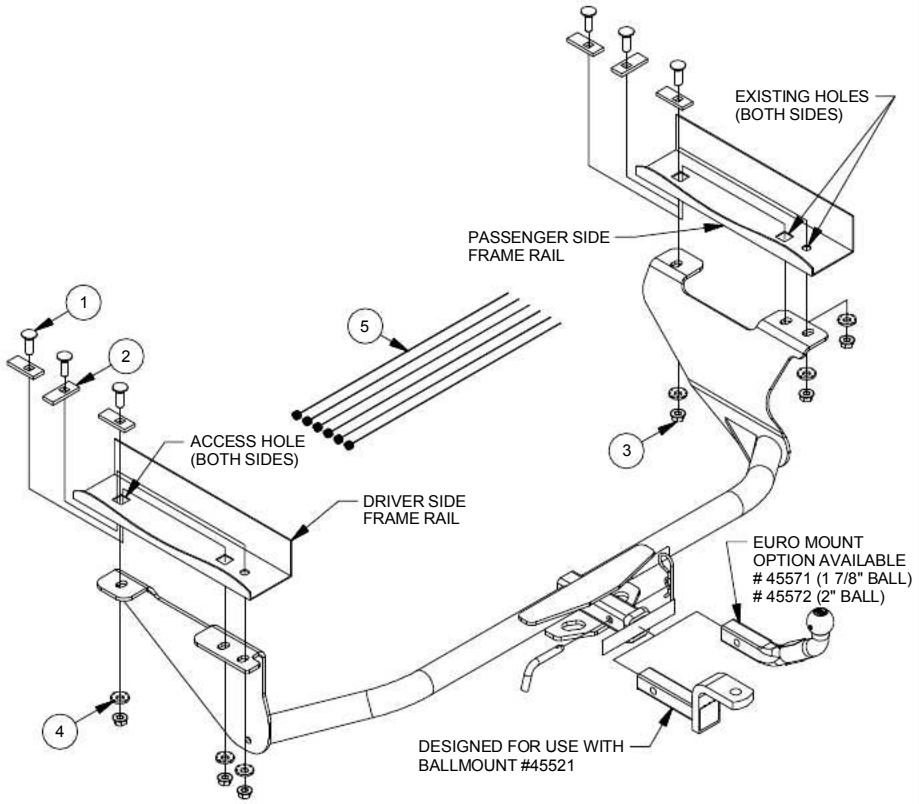
PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND

For more information log onto www.curtmfg.com , & for helpful towing tips log onto www.hitchinfo.com

This product complies with safety specifications and requirements for connecting devices and towing systems of the state of New York, V.E.S.C.Regulation V-5 and SAE J684.

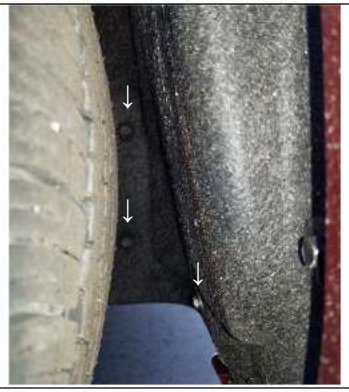
INSTALLATION WALKTHROUGH:

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	1/2-13 x 1 1/2	CARRIAGE BOLT
2	6	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER
3	6	HFN 1213	HEX FLANGE NUT
4	6	1/2	CONICAL TOOTHED WASHER
5	6	1_2 FISHWIRE	1/2" FISHWIRE



1. Locate and remove (5) screws with 8mm socket, (7) nuts with a 10mm socket, (2) bolts with a 10mm socket, and (2) plastic screws with a screwdriver. **NOTE**: if no underbody panel, skip to Step 3.

2. Locate in the driver side wheel well and remove (3) screws with a 8mm socket. Remove underbody panel and mark out a 0.5" x 10" slot with masking tape. Use aviation shears to trim underbody panel. Set aside for later reinstallation.

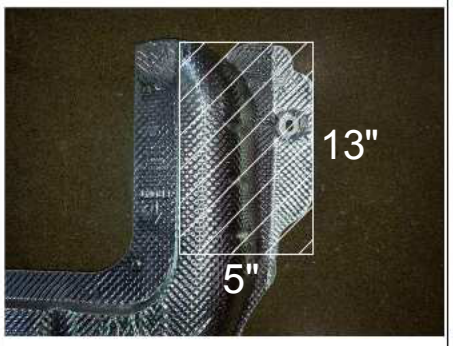


For more information log onto www.curtmfg.com, & for helpful towing tips log onto www.hitchinfo.com

INSTALLATION WALKTHROUGH:

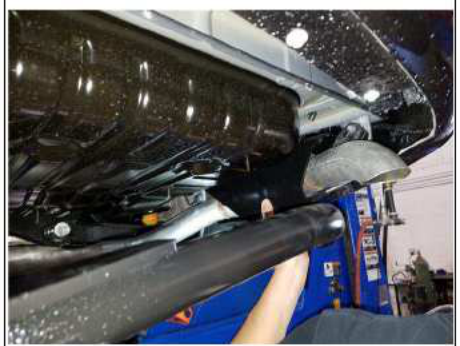
3. Lower exhaust by removing (2) rubber isolators. (SEE RUBBER ISOLATOR REMOVAL DIAGRAM)

4. Locate and remove (2) plastic nuts with a 10mm socket. Remove heat shield and mark out a 5" x 13" section with masking tape. Use aviation shears to trim marked area. Reinstall with (1) nut using a 10mm socket.
NOTE: If no underbody panel, remove (4) plastic nuts and after trim reinstall (3) plastic nuts.



5. Fishwire (2) 1/2" carriage bolts and (2) CM-SP10 spacers in the rear most holes of the frame through the access hole in each frame rail. Reverse Fishwire (1) 1/2" carriage bolt and (1) CM-SP10spacer into the access hole on each frame rail.

6. Raise hitch into position starting with the passenger side. Run the fishwires through the holes on hitch to help align bolts with hitch holes. Remove fishwires and loosely fasten (3) conical tooth washers and (3) 1/2" hex flange nuts on each side.



For more information log onto www.curtmfg.com, & for helpful towing tips log onto www.hitchinfo.com

INSTALLATION WALKTHROUGH:

7. Torque all 1/2" hardware to 110 ft-lbs. Reinstall Underbody panel following steps 1 and 2 in reverse order.

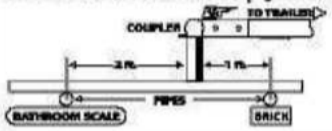
TOWING SAFETY INFORMATION

Gross Trailer Weight / GTW

The Gross Trailer Weight is the weight of the trailer & cargo.
Measure this by putting the fully loaded trailer on a vehicle scale.

Tongue Weight / TW

The downward force that is exerted on the hitch ball by the coupler. The tongue weight will vary depending on where the load is positioned in relationship to the trailer axle(s). To measure the tongue weight, use either a commercial scale or a bathroom scale with the coupler at towing height. When using a bathroom scale with heavier tongue weights, use the method shown and multiply the scale reading by 3.



Weight Carrying / WC

The total weight of both the trailer and the cargo inside.
Never exceed the weight capacity of your trailer hitch.

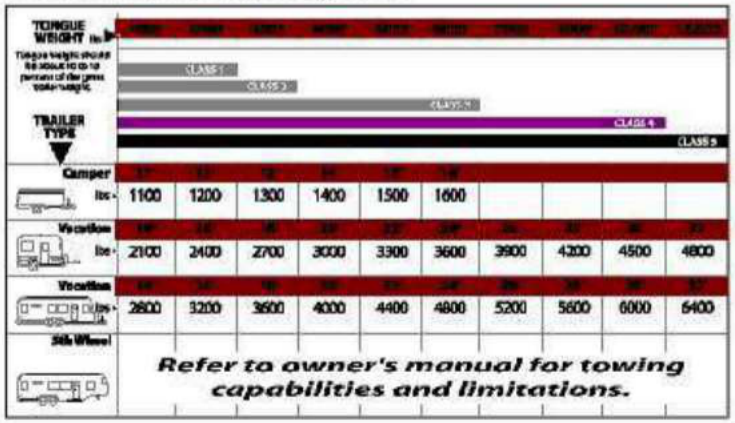
Weight Distribution / WD

Used to balance the weight of the cargo between the front and rear wheels throughout the trailer, allowing for better steering, braking, and level riding.

Sway Control

A device used to reduce the lateral movements of the trailer that are caused by the wind. This works in conjunction with a weight distribution hitch. Do not use this on a class 1 or 2 hitch, or with surge brakes.

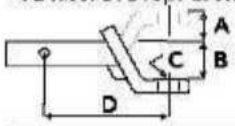
How Much Can You Safely Tow?



Ball Mount

The ball mount is placed inside the opening of the receiver hitch which is mounted to the vehicle. Make sure a hitch pin and clip is properly securing the ball mount to the receiver hitch before you begin towing.

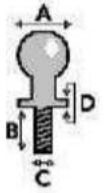
- A: Rise. B: Drop. C: Hole Size. D: Length.



Trailer Ball

The connection from the hitch to the trailer. There are many factors that determine the correct hitch ball:

- Number one is the hitch ball's gross trailer weight rating.
- The mounting platform must be at least 3/8" thick.
- The hole diameter must not be more than 1/16" larger than the threaded shank.
- Every time you tow, check the nut and lock washer to make sure they are fastened securely.
- A: Ball Dia. B: Shank Length. C: Shank Dia. D: Shank Rise.



Coupler

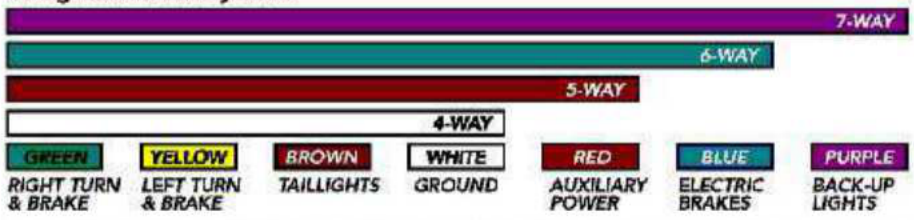
The component that is placed over the trailer ball to connect the vehicle to the trailer. Be sure that the coupler size matches the size of the hitch ball and that the coupler handle is securely fastened. To determine what size hitch ball you need for your application you will need to know the size of coupler that is on the trailer. Be sure your coupler is properly adjusted to the ball you are using.
NOTE: For added security the use of safety devices such as Coupler Safety Pins and Locks is strongly recommended.

Safety Chains

Safety chains are a requirement and should be crossed under the tongue of the trailer so that the tongue will not drop to the road if it becomes separated from the hitch. Always leave enough slack so you can turn. Never allow the safety chains to drag on the ground and never attach the chains to the bumper.
Trailer Classification: Safety Chain Breaking Force - Minimum
Class 1: 2,000 lbs. (8.9 kN)
Class 2: 3,500 lbs. (15.6 kN)
Class 3: 5,000 lbs. (22.2 kN)
The strength rating of each length of safety chain or its equivalent and its attachments shall be equal to or exceed in minimum breaking force the GVWR (Gross Vehicle Weight Rating) of the trailer.

Electrical

Trailer lights, Electric Brakes, Break-away systems - Every time you tow, be sure to check that all components are working properly.
Wiring identification by color:



CURT DISCLAIMER: WIRING COLOR SHOWN WORK IN CONJUNCTION WITH CURT MANUFACTURING PRODUCTS.

12159 CHRYSLER PACIFICA

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 3,500 LBS. TRAILER WEIGHT & 350 LBS. TONGUE WEIGHT.

WARNING: ALL NON-TRAILER LOADS APPLIED TO THIS PRODUCT MUST BE SUPPORTED BY 18050 STABILIZING STRAPS.

WARNING: ** FAILURE TO PROPERLY SUPPORT NON-TRAILER LOADS WILL VOID PRODUCT WARRANTY **

WARNING: * DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY ***

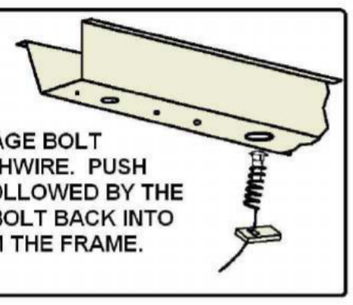
FOR MORE INFORMATION LOG ONTO WWW.CURTMFG.COM & FOR HELPFUL TOWING TIPS LOG ONTO WWW.HITCHINFO.COM

HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-877-287-8634

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	1/2-13 x 1 1/2	CARRIAGE BOLT
2	6	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER
3	6	HFN 1213	HEX FLANGE NUT
4	6	1/2	CONICAL TOOTHED WASHER
5	6	1_2 FISHWIRE	1/2" FISHWIRE

TOOLS REQUIRED
RATCHET
TORQUE WRENCH
6" SOCKET EXTENSION
8mm, 10mm, 3/4" SOCKETS
UNIVERSAL JOINT SOCKET
SCREWDRIVER
MASKING TAPE
AVIATION SHEARS
SAFETY GLASSES

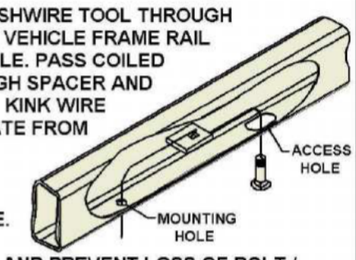
REVERSE PULL FISHWIRE TECHNIQUE



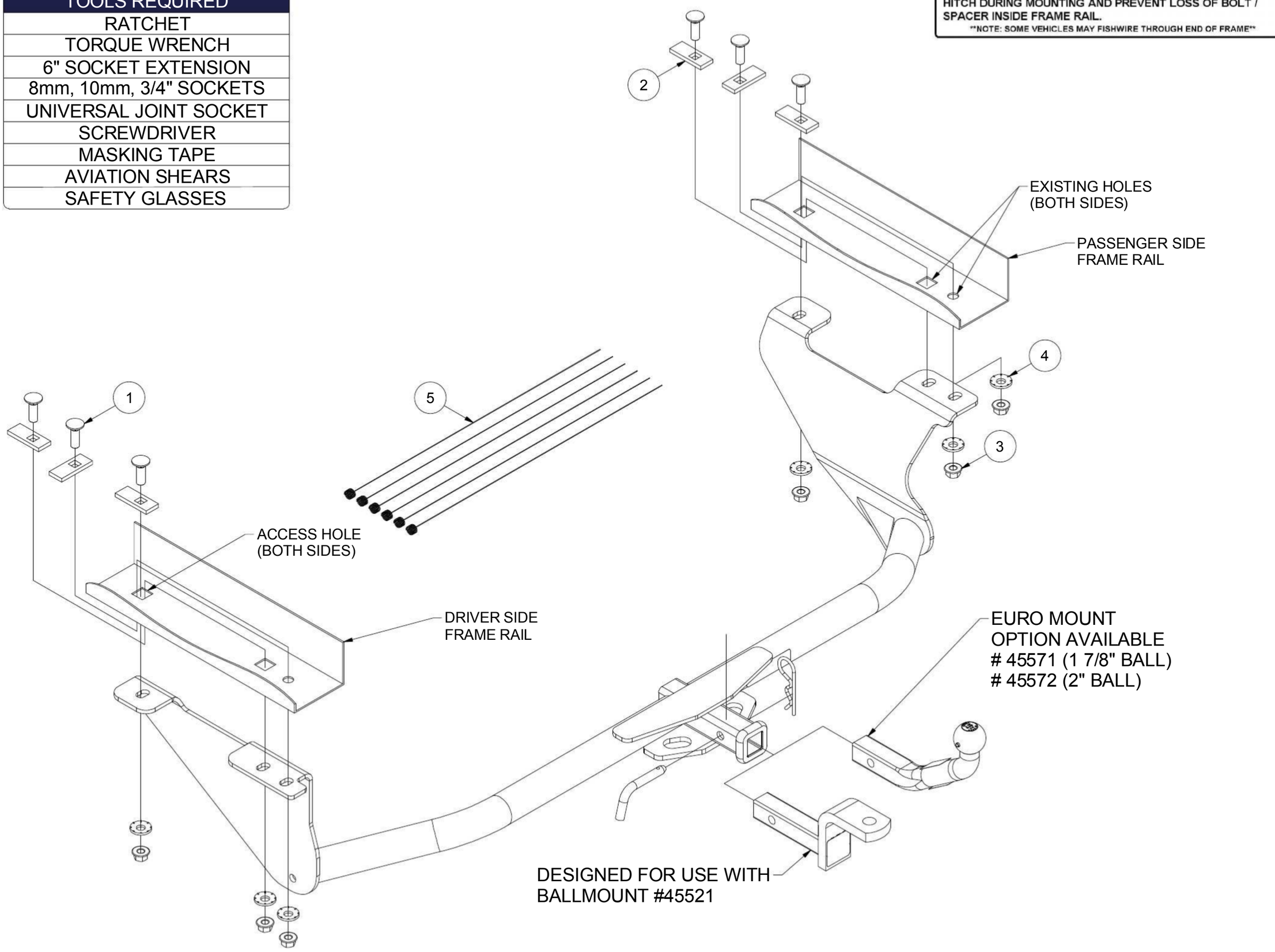
ATTACH FISHWIRE TO CARRIAGE BOLT AND SLIDE SPACER ONTO FISHWIRE. PUSH THE BOLT THRU THE HOLE FOLLOWED BY THE SPACER (AS SHOWN). PULL BOLT BACK INTO POSITION, PROTRUDING FROM THE FRAME.

FISHWIRE TECHNIQUE

INSERT COILED END OF FISHWIRE TOOL THROUGH HITCH MOUNTING HOLE IN VEHICLE FRAME RAIL AND OUT THE ACCESS HOLE. PASS COILED END OF FISHWIRE THROUGH SPACER AND THREAD BOLT INTO COIL. KINK WIRE TO KEEP SPACER SEPERATE FROM BOLT AS SHOWN. PULL FISHWIRE, SPACER, AND BOLT THROUGH FRAME AND OUT MOUNTING HOLE. USE FISHWIRE TO GUIDE HITCH DURING MOUNTING AND PREVENT LOSS OF BOLT / SPACER INSIDE FRAME RAIL.



NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME

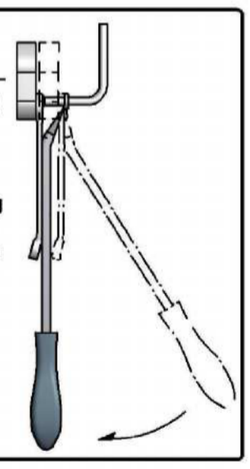


RUBBER ISOLATOR REMOVAL DIAGRAM

This technique can be used if an Exhaust Hanger Removal Pliers is not available.

Using a 5/8" open end wrench, slide the wrench up to the rubber isolator, cradling the hanger rod as shown. Next place the flat edge of a pry bar between the wrench and the hanger stop or hanger rod. Then simply rotate the pry bar toward the wrench to remove the rubber isolator.

Note: Using a spray lubricant or soapy water on the hanger rod and the rubber isolator helps removal.



HITCH WEIGHT: 34 LBS.

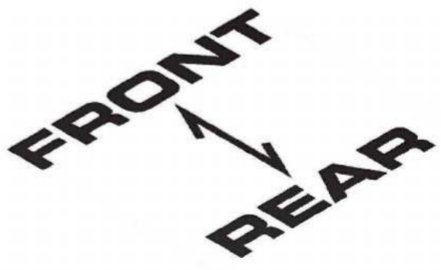
INSTALL TIME

PROFESSIONAL: 30 MINUTES

NOVICE (DIY): 60 MINUTES

INSTALL NOTES:

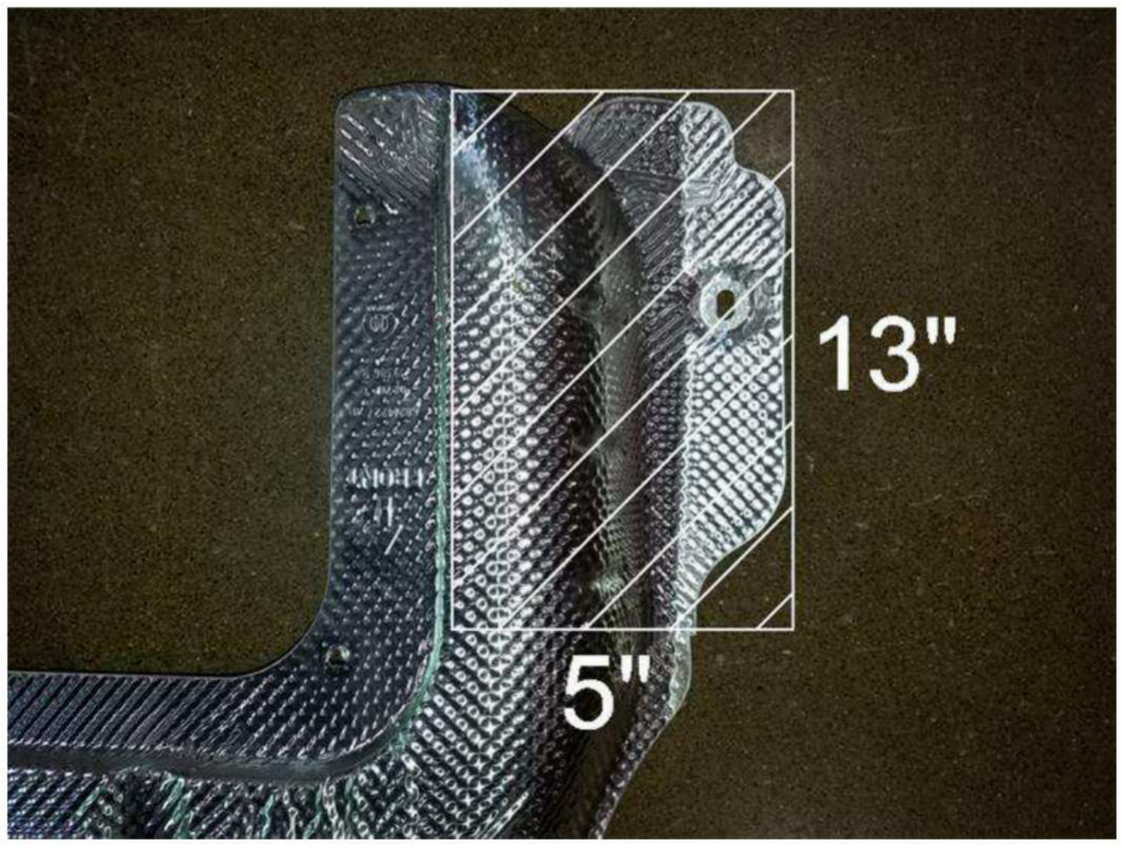
-LOWER EXHAUST
-TEMPORARILY REMOVE UNDERBODY PANEL & HEAT SHIELD
-TRIM HEAT SHIELD
-TRIM UNDERBODY PANEL



PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.

Scan for more information

HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-877-287-8634



INSTALLATION STEPS

1. Locate and remove (5) screws with 8mm socket, (7) nuts with a 10mm socket, (2) bolts with a 10mm socket, and (2) plastic screws with a screwdriver. **NOTE**: If no underbody panel, skip to Step 3.

2. Locate in the driver side wheel well and remove (3) screws with a 8mm socket. Remove underbody panel and mark out a 0.5" x 10" slot with masking tape. Use aviation shears to trim underbody panel. Set aside for later reinstallation.

3. Lower exhaust by removing (2) rubber isolators. (SEE RUBBER ISOLATOR REMOVAL DIAGRAM)

4. Locate and remove (2) plastic nuts with a 10mm socket. Remove heat shield and mark out a 5" x 13" section with masking tape. Use aviation shears to trim marked area. Reinstall with (1) nut using a 10mm socket. **NOTE**: if no underbody panel, instead remove (4) plastic nuts and after trim reinstall (3) plastic nuts.

5. Fishwire (2) 1/2" carriage bolts and (2) CM-SP10 spacers in the rear most holes of the frame through the access hole in each frame rail. Reverse Fishwire (1) 1/2" carriage bolt and (1) CM-SP10 spacer into the access hole on each frame rail.

6. Raise hitch into position starting with the passenger side. Run the fishwires through the holes on hitch to help alin bolts with hitch holes. Remove fishwires and loosely fasten (3) conical tooth washers and (3) 1/2" hex flange nuts on each side.

7. Torque all 1/2" hardware to 110 ft-lbs. Reinstall underbody panel following Steps 1 and 2 in reverse order.

PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.