

YEARS: 2019-PRESENT

MAKE: SUBARU

MODEL: ASCENT

STYLE: SUV

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: 5,000 LBS.
 TONGUE WEIGHT: 675 LBS.

PRO INSTALL TIME: 30 MIN.
NOVICE INSTALL TIME: 65 MIN.

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

INSTALLATION REQUIRES:

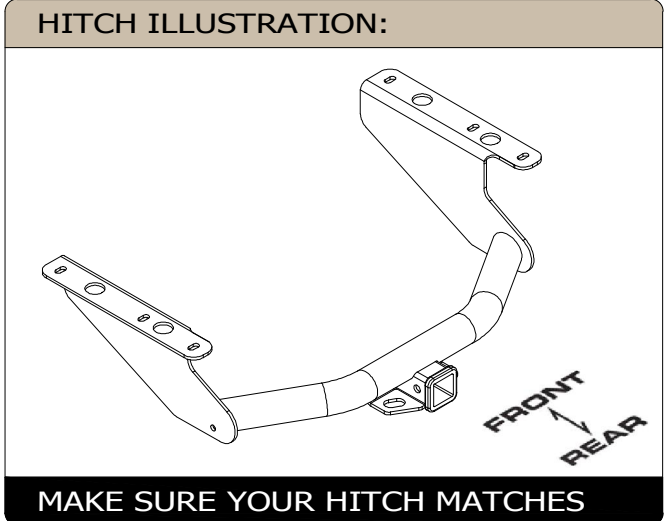
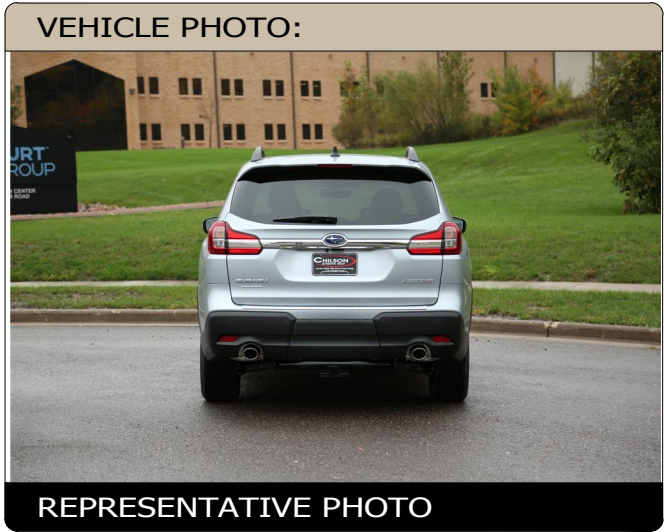
	10mm 12mm 3/4"	6"
RATCHET	SOCKET	SOCKET EXTENSION
TORQUE WRENCH	DIE GRINDER	SAFETY GLASSES
TAPE MEASURE	AVIATION SHEARS	

INSTALLATION TIPS:

- BEFORE YOU BEGIN INSTALLATION, READ ALL INSTRUCTIONS THOROUGHLY.
- TO EASE INSTALLATION, 2 PEOPLE MAY BE REQUIRED.
- USING PROPER TOOLS WILL GREATLY IMPROVE THE QUALITY OF THE INSTALL AND REDUCE THE TIME REQUIRED.
- NEED HELP OR HAVE SOME QUESTIONS? CALL TECHNICAL SUPPORT AT 800.798.0813

LEVEL OF DIFFICULTY: EASY

EASY	MODERATE	CHALLENGING
	ENLARGE ACCESS HOLES	
	REMOVE (6) RUBBER PLUGS REMOVE SPARE TIRE SHIELD	
	FISHWIRE (4) FASTENERS	
	REVERSE FISHWIRE (2) FASTENERS	
	TRIM HEAT SHIELD	



SCAN FOR MORE INFO

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

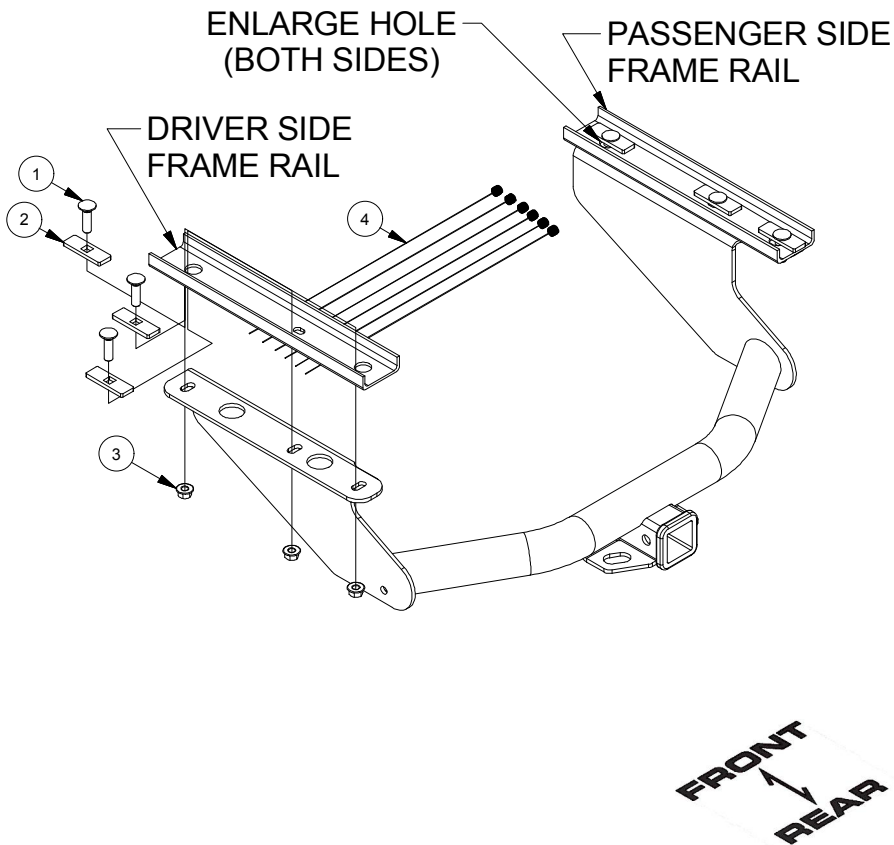
CURT Manufacturing LLC. warrants this product to be free of defects in material and/or workmanship at the time of retail purchase by the original purchaser. If the product is found to be defective, CURT Manufacturing LLC. may repair or replace the product at their option, when the product is returned, prepaid, with proof of purchase. Alteration to, misuse of, or improper installation of this product voids the warranty. CURT Manufacturing LLC.'s liability is limited to repair or replacement of products found to be defective, and specifically excludes liability for incidental or consequential loss or damage.

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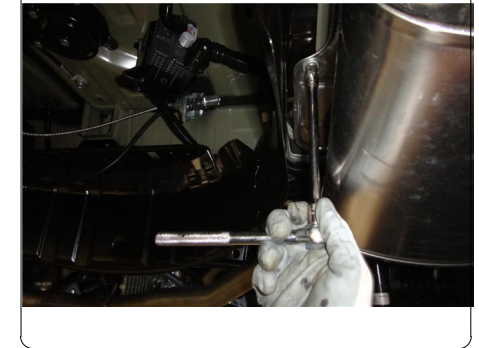
This product complies with safety specifications and requirements for connecting devices and towing systems of the state of New York, V.E.S.C.Regulation V-5 and SAE J684.

INSTALLATION WALKTHROUGH:

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	1/2-13 x 1 3/4, GR8	CARRIAGE BOLT
2	6	CM-SP6	.250 x 1.00 x 3.00" SQUARE HOLE SPACER
3	6	HFN 1213, GR8	HEX FLANGE NUT
4	6	1_2 FISHWIRE	1/2" FISHWIRE



1. Following your vehicle owner's manual, lower and remove the spare tire. Remove the (2) heat shield mounting bolts toward the rear of the vehicle with a 10mm socket on each side of the vehicle.

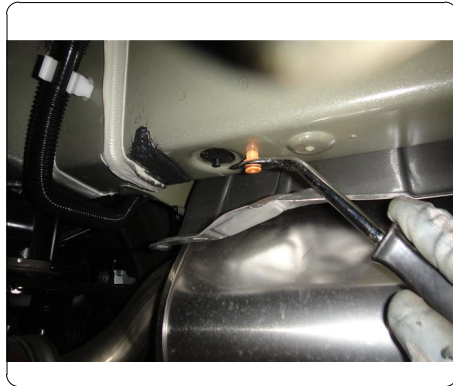


2. Locate and remove the center front attachment point on the spare tire shield using a 12mm socket. Remove the spare tire shield and return to the customer.

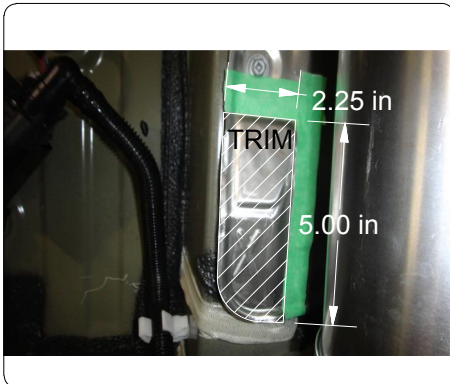


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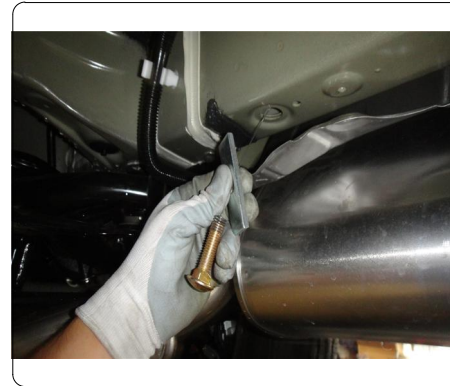
3. Remove (2) frame hole plugs and the orange tab on both sides of the vehicle.



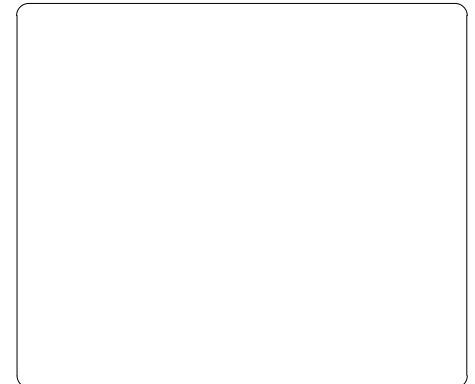
4. Trim heat shield to allow access to the front-center mounting holes. Enlarge the forward most mount hole to allow for 1/2" carriage bolt to fit through mounting hole.



5. Fishwire 1/2" carriage bolt and spacer through the forward-most frame hole into the center and rear frame holes, then reverse fishwire into the forward-most hole for both sides.



6. Reinstall heat shield and raise hitch into place and secure hitch to frame using the 1/2" hardware provided. Torque all hardware to 110 ft-lbs. Reinstall spare tire.



13400

SUBARU ASCENT

11/8/2018

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 5,000 LBS. TRAILER WEIGHT & 675 LBS. TONGUE WEIGHT.

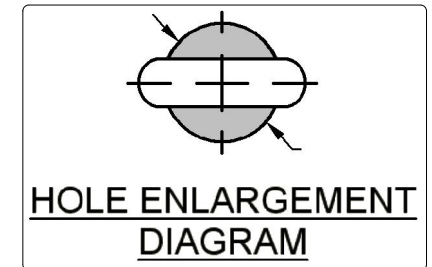
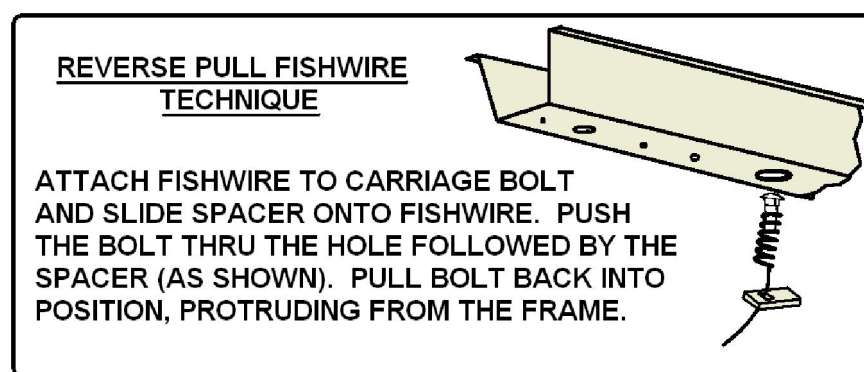


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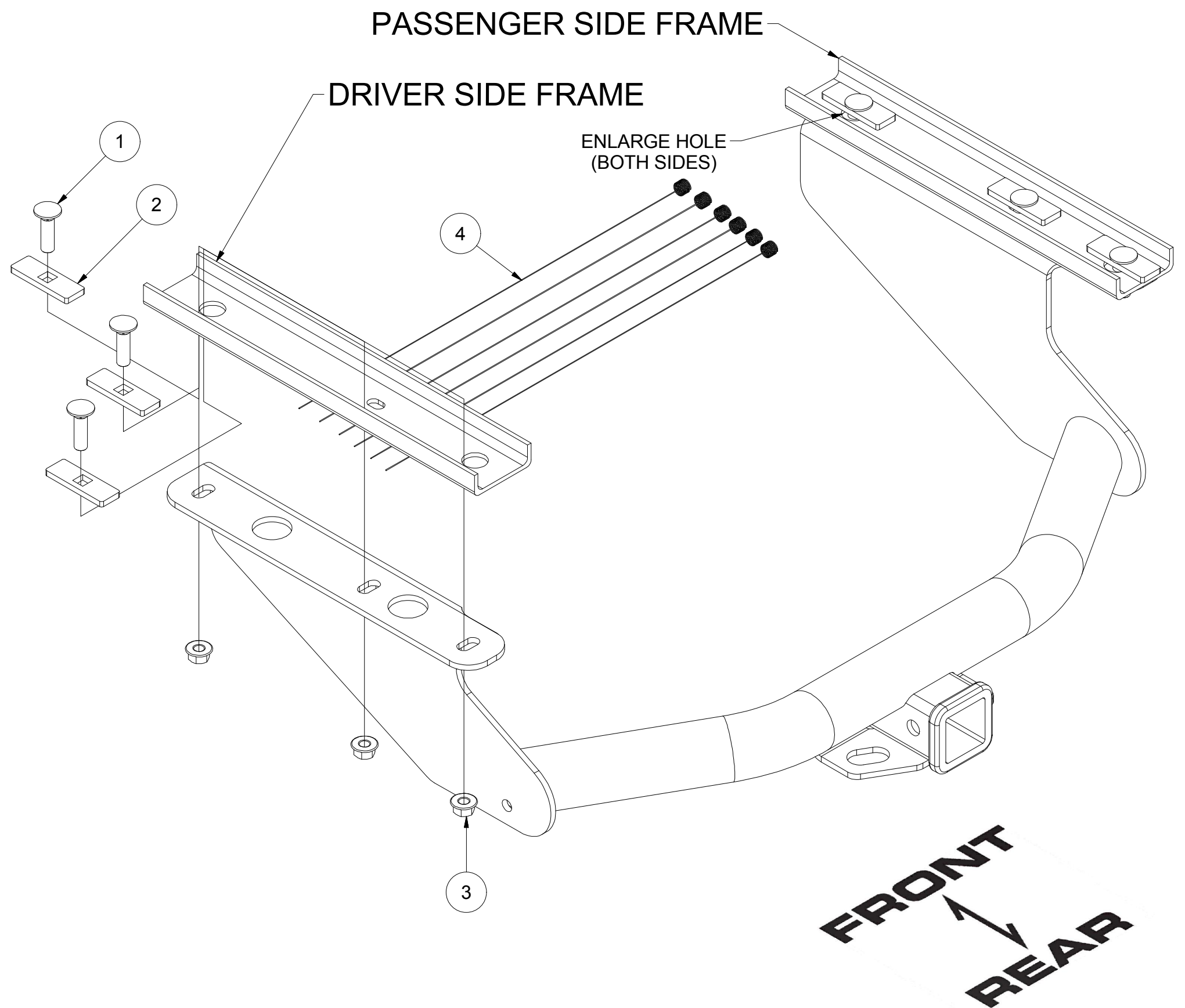
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4	6	1_2 FISHWIRE	1/2" FISHWIRE



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 SEPARATE 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****



TOOLS REQUIRED
RATCHET
10mm, 12mm, 3/4" SOCKET
6" EXTENSION
TORQUE WRENCH
DIE GRINDER
SAFETY GLASSES
PRY BAR

HITCH WEIGHT: 43 LBS.

INSTALL TIME

PROFESSIONAL: 30 MINUTES

NOVICE (DIY): 65 MINUTES

INSTALL NOTES:

- PART REMOVAL
- FISHWIRE
- REVERSE FISHWIRE

INSTALLATION STEPS

1. Following your vehicle owner's manual, lower and remove the spare tire.
2. Remove the (2) heat shield mounting bolts toward the rear of the vehicle with a 10mm socket on each side of the vehicle.
3. Locate and remove the center front attachment point on the spare tire shield using a 12mm socket. Remove the spare tire shield and return to the customer.
4. Remove (2) frame hole plugs and the orange tab on both sides of the vehicle. Trim heat shield to allow access to the front-center mounting holes.
5. Enlarge the forward most mounting hole to allow for 1/2" carriage bolt to fit through mounting hole. Fishwire 1/2" carriage bolt and spacer through the front-center frame hole into the center and rear frame holes in both frame holes, then reverse fishwire the forward most mounting hole on both sides.
6. Reinstall heat shield and raise hitch into place and secure hitch to frame using the 1/2" hardware provided. Torque all hardware to 110 ft-lb. Reinstall spare tire.



Scan for more information

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TOWING SAFETY INFORMATION

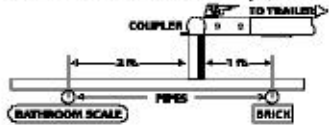
Gross Trailer Weight / GTW

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.

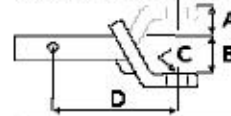
How Much Can You Safely Tow?

TONGUE WEIGHT (lb)	1000	1200	1300	1400	1500	1600	1700	1800	1900	2000	
Tongue weight should be 10% to 15% of the gross trailer weight.	CLASS 1										
	CLASS 2										
	CLASS 3										
	CLASS 4										
	CLASS 5										
TRAILER TYPE											
Camper											
10' lbs	1100	1200	1300	1400	1500	1600					
Victorline											
10' lbs	2100	2400	2700	3000	3300	3600	3900	4200	4500	4800	
Victorline											
10' lbs	2600	3200	3600	4000	4400	4800	5200	5600	6000	6400	
5th Wheel											
	Refer to owner's manual for towing capabilities and limitations.										

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.

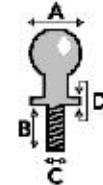
• A: Rise. B: Drop. C: Hole Size. D: Length.



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:

7-WAY										
6-WAY										
5-WAY										
4-WAY										
GREEN	YELLOW	BROWN	WHITE	RED	BLUE	PURPLE				
RIGHT TURN & BRAKE	LEFT TURN & BRAKE	TAILLIGHTS	GROUND	AUXILIARY POWER	ELECTRIC BRAKES	BACK-UP LIGHTS				

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