13379 INSTALLATION INSTRUCTIONS

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

YEARS: 2010-PRESENT | MAKE: FORD | MODEL: TAURUS (SHO) | STYLE: SEDAN

WARNING: NEVER EXCEED YOUR VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY

WEIGHT CARRYING:

TRAILER WEIGHT: 4,000 LBS.
TONGUE WEIGHT: 400 LBS.

WARNING:
WE RECOMMEND THE USE OF 18050 STABILIZING STRAPS FOR ALL NON-TRAILER (WHEEL-LESS) LOADS.

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:

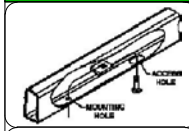
 10mm 18mm 19mm SOCKETS	 8" SOCKET EXTENSION	 RATCHET
 TORQUE WRENCH	 PRY BAR	 DIE GRINDER
 SPRAY LUBRICANT	 SAFETY GLASSES	

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.

LEVEL OF DIFFICULTY: MODERATE

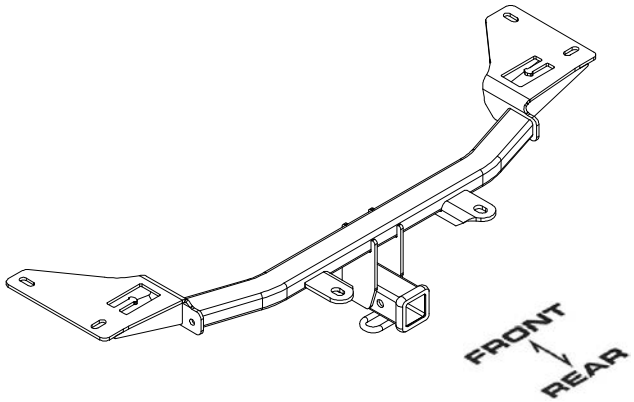
EASY | MODERATE | CHALLENGING

	FISHWIRE HARDWARE
	REVERSE FISHWIRE HARDWARE
	LOWER EXHAUST
	HOLE ENLARGEMENT REQUIRED

VEHICLE PHOTO:

REPRESENTATIVE PHOTO

HITCH ILLUSTRATION:

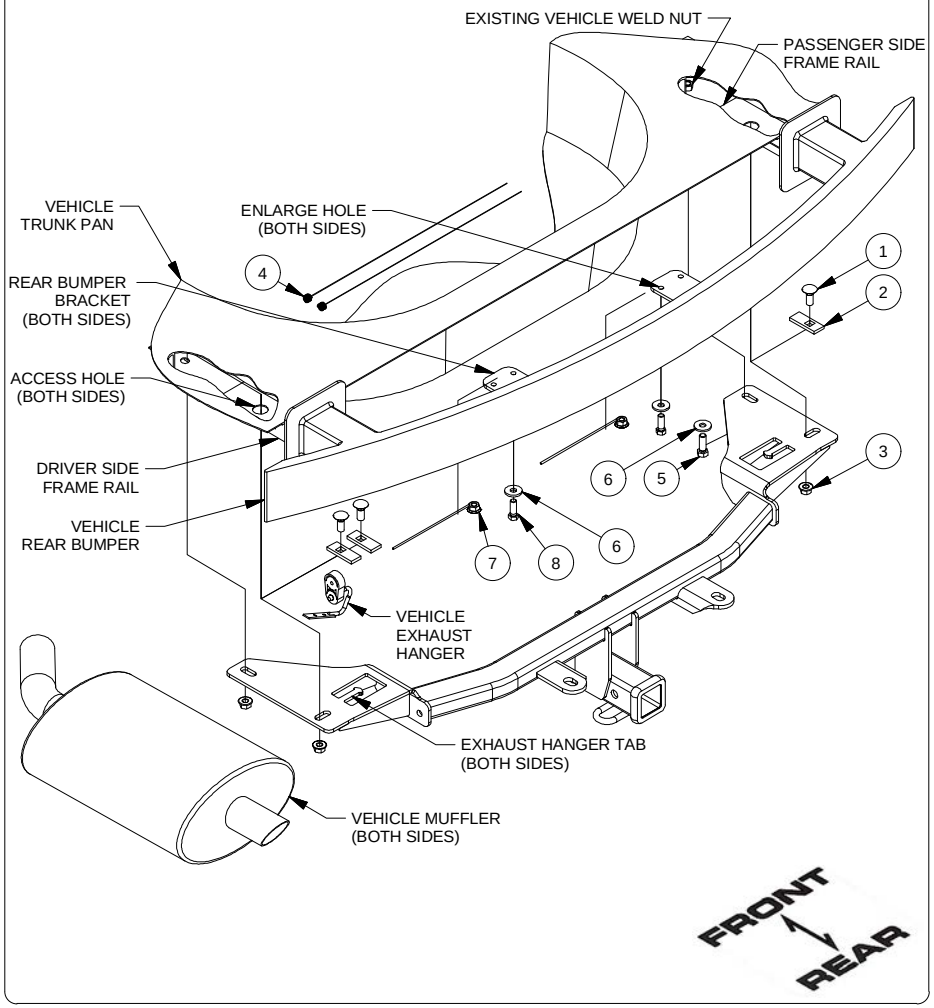


MAKE SURE YOUR HITCH MATCHES

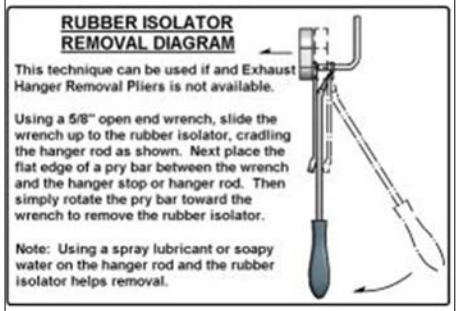
PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE ALL FASTENERS ARE TIGHT AND ALL STRUCTURAL COMPONENTS ARE SOUND

INSTALLATION WALKTHROUGH:

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	1/2-13 x 1 1/4	CARRIAGE BOLT
2	3	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER
3	3	HFN 1213	HEX FLANGE NUT
4	2	1_2 FISHWIRE	1/2" FISHWIRE
5	1	M12-1.75 x 35mm	HEX BOLT
6	3	7/16"	CONICAL TOOTHED WASHER
7	2	7_16 - 14 FLANGE HANDLE NUT	HEX NUT
8	2	7/16-14 x 1 1/4	HEX BOLT



1. Lower exhaust by removing (2) exhaust hanger brackets from rubber (1) isolator on each frame rail.
   (As shown in rubber isolator removal diagram)
   NOTE: Removing exhaust hanger near exhaust split may ease installation.

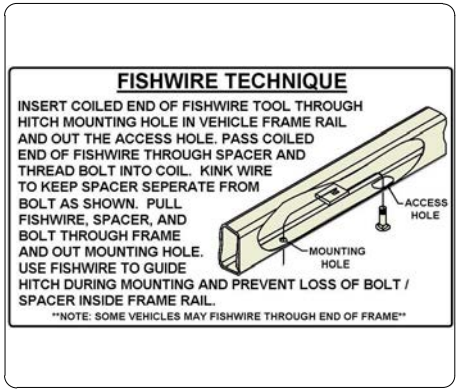


2. Remove (2) bolts securing exhaust isolator bracket from driver side frame rail using 10mm socket.

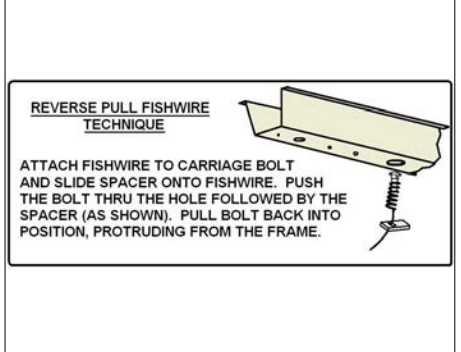
INSTALLATION WALKTHROUGH:

3. Remove (2) bolts securing exhaust isolator bracket from passenger side frame rail using 18mm socket. Return brackets and hardware to owner.

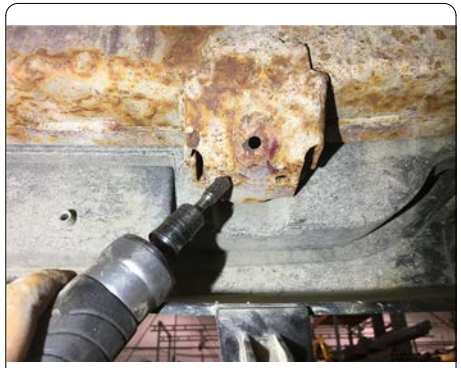
4. Located on driver side frame rail, fishwire (1) CM-SP10 spacer and (1) 1/2" carriage bolt through access hole and out mounting hole.
(As shown in Fishwire Technique Diagram)

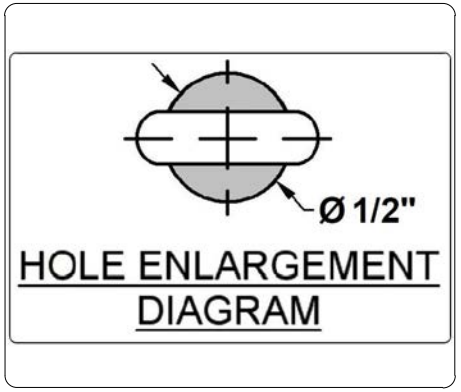


5. Reverse fishwire (1) CM-SP10 spacer and (1) 1/2" carriage bolt through and out access hole on each frame rail.
(As shown in Reverse Fishwire Technique Diagram)



6. Enlarge (2) holes located on rear bumper bracket using a die grinder.
(As shown in Hole Enlargement Diagram)





INSTALLATION WALKTHROUGH:

7. Raise hitch into position and secure using (3) 1/2" hex flange nuts and (1) M12 hex bolt with (1) conical tooth washer.

8. Located on rear bumper bracket insert 7/16" handle nut through opening, hand tighten 7/16" hex bolt through enlarged hole with conical tooth washer.
NOTE: Enlarging opening may ease installation.

9. Torque 1/2" hardware to 110 ft-lbs, torque M12 hardware to 79 ft-lbs and 7/16" hardware to 59 ft-lbs

10. Install rubber isolators removed in Step 1 onto muffler hangers in side plates on each side. Raise exhaust into position and reinstall muffler hangers in rubber isolators.

Intallation Complete

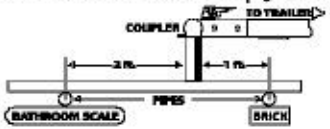
TOWING SAFETY INFORMATION

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.

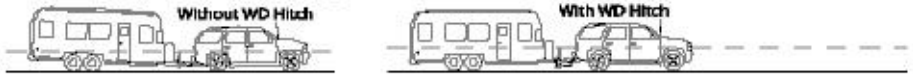


Weight Carrying / WC

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

Weight Distribution / WD

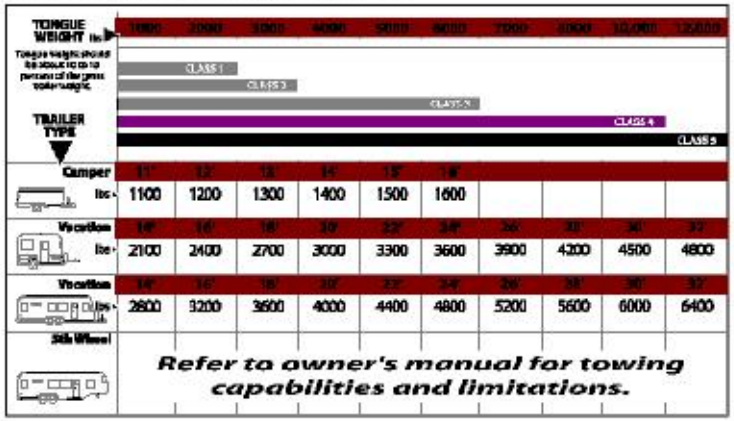
Used to balance the weight of the cargo between the front and rear wheels throughout the trailer, allowing for better steering, braking, and level riding.



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.

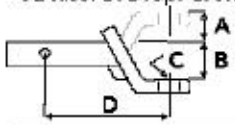
How Much Can You Safely Tow?



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.

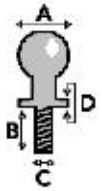
- A: Rise. B: Drop. C: Hole Size. D: Length.



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

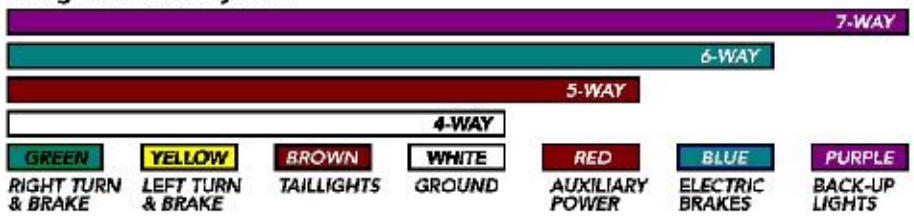
The component that is placed over the trailer ball to connect the vehicle to the trailer. Be sure that the coupler size matches the size of the hitch ball and that the coupler handle is securely fastened. To determine what size hitch ball you need for your application you will need to know the size of 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:



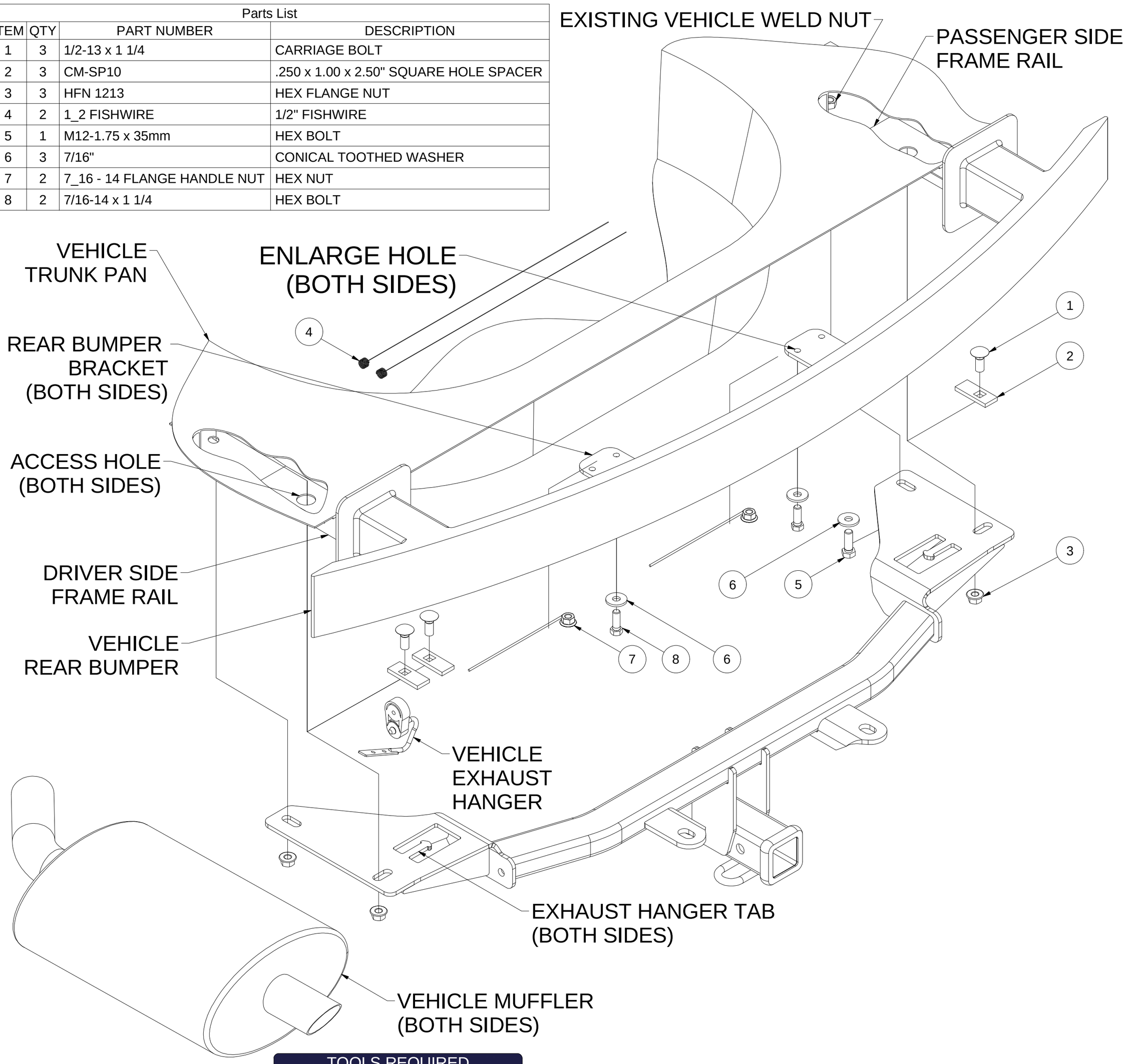
CURT DISCLAIMER: WIRING COLOR SHOWN WORK IN CONJUNCTION WITH CURT MANUFACTURING PRODUCTS.

13379 FORD TAURUS (SHO)

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 4,000 LBS. TRAILER WEIGHT & 400 LBS. TONGUE WEIGHT.

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

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	3	1/2-13 x 1 1/4	CARRIAGE BOLT
2	3	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER
3	3	HFN 1213	HEX FLANGE NUT
4	2	1_2 FISHWIRE	1/2" FISHWIRE
5	1	M12-1.75 x 35mm	HEX BOLT
6	3	7/16"	CONICAL TOOTHED WASHER
7	2	7_16 - 14 FLANGE HANDLE NUT	HEX NUT
8	2	7/16-14 x 1 1/4	HEX BOLT



HITCH WEIGHT: 33 LBS.

INSTALL TIME

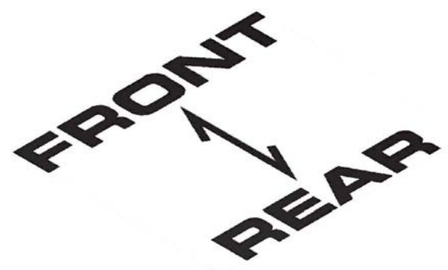
PROFESSIONAL: 60 MINUTES

NOVICE (DIY): 30 MINUTES

INSTALL NOTES:

-FISHWIRE HARDWARE
-REVERSE FISHWIRE HARDWARE
-LOWER EXHAUST
-HOLE ENLARGEMENT

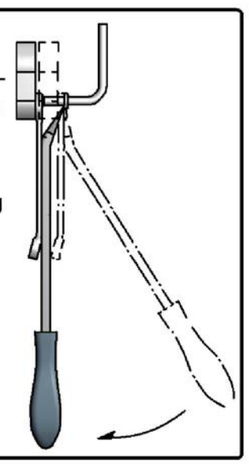
TOOLS REQUIRED
RATCHET
TORQUE WRENCH
8" SOCKET EXTENSION
SOCKETS 10mm 18mm 19mm
PRY BAR
DIE GRINDER
LUBRICANT SPRAY
SAFETY GLASSES



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

FORD TAURUS (SHO)

RUBBER ISOLATOR REMOVAL DIAGRAM

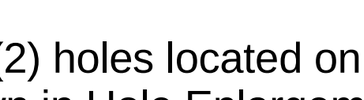


This technique can be used if an Exhaust Hanger Removal Pliers is not available.

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.

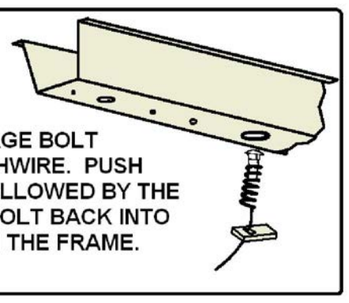
FISHWIRE TECHNIQUE



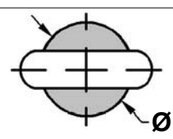
INSERT COILED END OF FISHWIRE TOOL THROUGH HITCH MOUNTING HOLE IN VEHICLE FRAME RAIL AND OUT THE ACCESS HOLE. PASS COILED END OF FISHWIRE THROUGH SPACER AND THREAD BOLT INTO COIL. KINK WIRE TO KEEP SPACER SEPERATE FROM BOLT AS SHOWN. PULL FISHWIRE, SPACER, AND BOLT THROUGH FRAME AND OUT MOUNTING HOLE.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

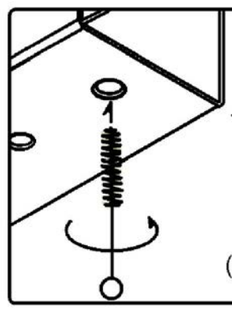
REVERSE PULL FISHWIRE TECHNIQUE



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.



HOLE ENLARGEMENT DIAGRAM



WELDNUT CLEANING

To remove debris from weldnuts in frame, spray lubricant or compressed air into hole. For heavy debris, use a small wire brush. (Be careful not to damage threads).

INSTALLATION STEPS

1. Lower exhaust by removing (2) exhaust hanger brackets from rubber isolator (1) on each frame rail. (As shown in rubber isolator removal diagram)
   NOTE: Removing exhaust hanger near exhaust split may ease installation.

2. Remove (2) bolts securing exhaust isolator bracket from driver side frame rail using 10mm socket.

3. Remove (2) bolts securing exhaust isolator bracket from passenger side frame rail using 18mm socket. Return brackets and hardware to owner.

4. Located on driver side frame rail, fishwire (1) CM-SP10 spacer and (1) 1/2" carriage bolt through access hole and out mounting hole. (As shown in Fishwire Technique Diagram)

5. Reverse fishwire (1) CM-SP10 spacer and (1) 1/2" carriage bolt through and out access hole on each frame rail. (As shown in Reverse Fishwire Technique Diagram)

6. Enlarge (2) holes located on rear bumper bracket using a die grinder. (As shown in Hole Enlargement Diagram)

7. Raise hitch into position and secure using (3) 1/2" hex flange nuts, (1) M12 hex bolt with (1) conical tooth washer.

8. Located on rear bumper bracket insert 7/16" handle nut through opening, hand tighten 7/16" hex bolt through enlarged hole with conical tooth washer.
   NOTE: Enlarging opening may ease installation.

9. Torque 1/2" hardware to 110 ft-lbs, torque M12 hardware to 79 ft-lbs and 7/16" hardware to 59 ft-lbs

10. Install rubber isolators removed in Step 1 onto muffler hangers in side plates on each side. Raise exhaust into position and reinstall muffler hangers in rubber isolators.

Installation Commplete

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