



11576 INSTALLATION INSTRUCTIONS



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

YEARS: 2018-PRESENT
2019-PRESENT

MAKE: TOYOTA
TOYOTA

MODEL: CAMRY
AVALON

STYLE: SEDAN
SEDAN



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

WEIGHT CARRYING: TRAILER WEIGHT: 2,000 LBS.
TONGUE WEIGHT: 200 LBS.

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

PRO INSTALL TIME: **60 MIN.**
NOVICE INSTALL TIME: **120 MIN.**

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

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.

VEHICLE PHOTO:



REPRESENTATIVE PHOTO

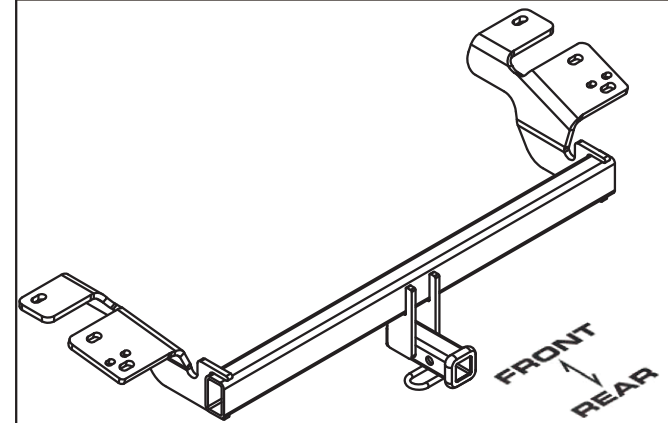
INSTALLATION REQUIRES:

| | | |
|---------------------------------|-------------------------|-----------------------|
| 10mm 12mm 13mm | 17mm 19mm | |
| SOCKET | SOCKET | RATCHET |
| | | |
| TORQUE WRENCH | DIE GRINDER | ROTARY TOOL |
| | | |
| TAPE MEASURE | MASKING TAPE | SAFETY GLASSES |
| | | |
| | | |

LEVEL OF DIFFICULTY: MODERATE

| EASY | MODERATE | CHALLENGING |
|------|------------------------------------|-------------|
| | TEMPORARILY REMOVE EXHAUST HANGERS | |
| | UNDERBODY PANEL TRIMMING REQUIRED | |
| | HOLE ENLARGEMENT REQUIRED | |
| | | |
| | | |

HITCH ILLUSTRATION:



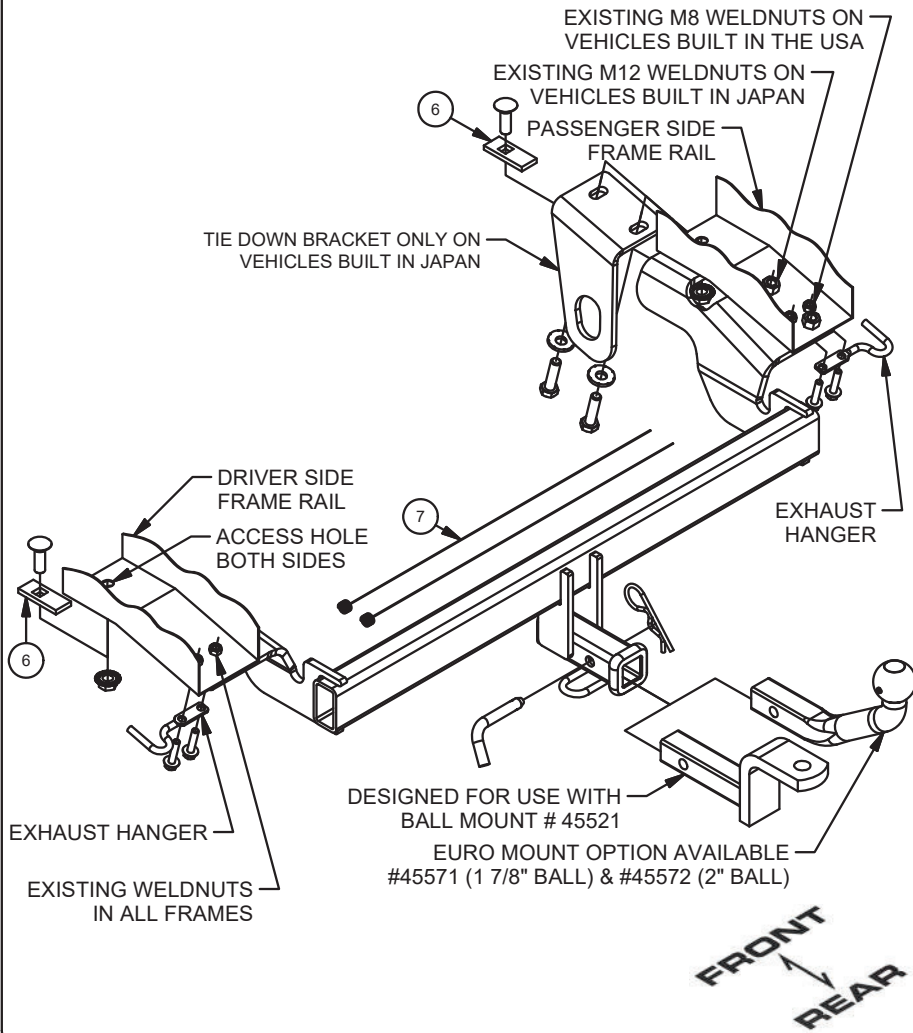
MAKE SURE YOUR HITCH MATCHES

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.

INSTALLATION WALKTHROUGH:

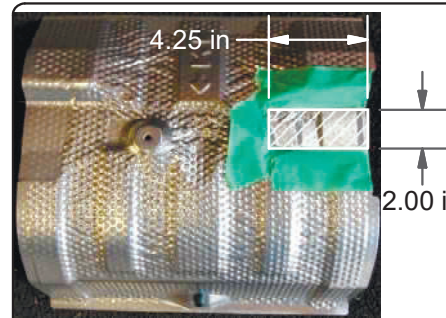
| Parts List | | | |
|------------|-----|--------------|--|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 2 | 10-10287 | BOLT, CAR, 1/2-13 UNC, 1-1/2, GRD8, YZ |
| 2 | 2 | 10-10331 | HHCS, M12x1.25, 45, CL10.9, YZ |
| 3 | 4 | 10-10333 | FB, M8x1.25, 35, CL10.9, YZ |
| 4 | 2 | 20-00062 | NUT, SER-FLANGE, 1/2-13 UNC, GRD8, YZ |
| 5 | 2 | 30-00149 | WASHER, S-CON, 1/2, YZ |
| 6 | 2 | CM-SP10 | .250 x 1.00 x 2.50" SQUARE HOLE SPACER |
| 7 | 2 | 1_2 FISHWIRE | 1/2" FISHWIRE |



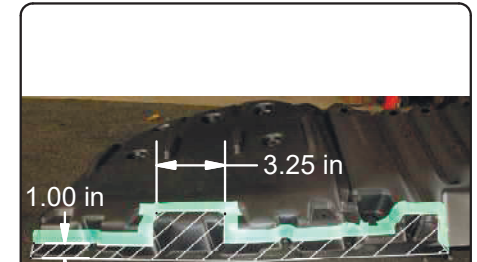
1. Lower exhaust by removing (2) rubber isolators per muffler and (1) rubber isolator forward of the muffler. **On Japan built vehicles** remove tie down bracket from passenger side frame rail. **On USA built vehicles** remove rear exhaust hanger from driver side frame rail. **On dual exhaust vehicles** remove rear exhaust hanger from both frame rails. Save for reinstallation. **NOTE:** Support exhaust to prevent damage.



2. Remove heat shields and trim using HEAT SHIELD TRIM DIAGRAM for reference and reinstall. Remove plastic underbody panel and trim using PANEL TRIM DIAGRAM for reference. Save for reinstallation.



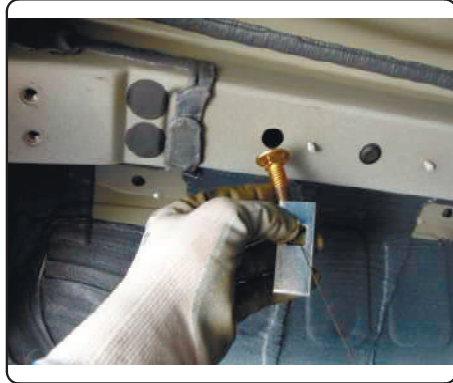
HEAT SHIELD TRIM DIAGRAM



PANEL TRIM DIAGRAM

INSTALLATION WALKTHROUGH:

3. Enlarge access hole in both frame rails. Reverse fishwire (1) 1/2" carriage bolt and CM-SP10 spacer into each enlarged access hole.



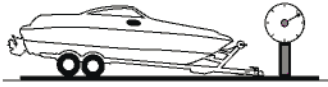
4. Raise hitch into position and secure using the provided hardware while reinstalling any removed exhaust hangers. Torque M12 hardware to 79 ft-lbs, M8 hardware to 23 ft-lbs, 1/2" hardware to 110 ft-lbs. Reinstall plastic underbody panel removed in Step 2.



TOWING SAFETY INFORMATION

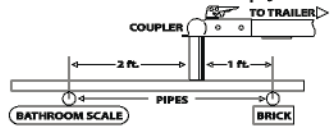
Gross Trailer Weight / GTW

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?

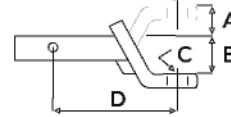
| TONGUE WEIGHT (lb) | 1000 | 2000 | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 | 10,000 | 12,000 |
|---|------|------|------|------|------|------|------|------|--------|--------|
| Tongue weight should be about 10 to 15 percent of the gross trailer weight. | | | | | | | | | | |
| CLASS 1 | | | | | | | | | | |
| CLASS 2 | | | | | | | | | | |
| CLASS 3 | | | | | | | | | | |
| CLASS 4 | | | | | | | | | | |
| CLASS 5 | | | | | | | | | | |
| TRAILER TYPE | | | | | | | | | | |
| Camper | 11' | 12' | 13' | 14' | 15' | 16' | | | | |
| lbs. | 1100 | 1200 | 1300 | 1400 | 1500 | 1600 | | | | |
| Vacation | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' | 30' | 32' |
| lbs. | 2100 | 2400 | 2700 | 3000 | 3300 | 3600 | 3900 | 4200 | 4500 | 4800 |
| Vacation | 14' | 16' | 18' | 20' | 22' | 24' | 26' | 28' | 30' | 32' |
| lbs. | 2800 | 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.

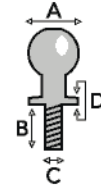
- A: Rise. B: Drop. C: Hole Size. D: Length.



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)

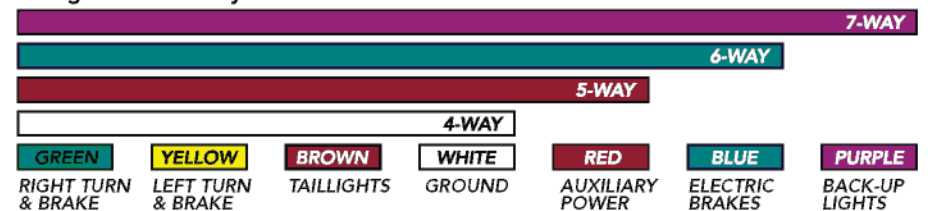
Class 3: 5,000 lbs. (22.2 kN)

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:



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

11576

TOYOTA AVALON, CAMRY

10/4/2019

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 2,000 LBS. TRAILER WEIGHT & 200 LBS. TONGUE WEIGHT.

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



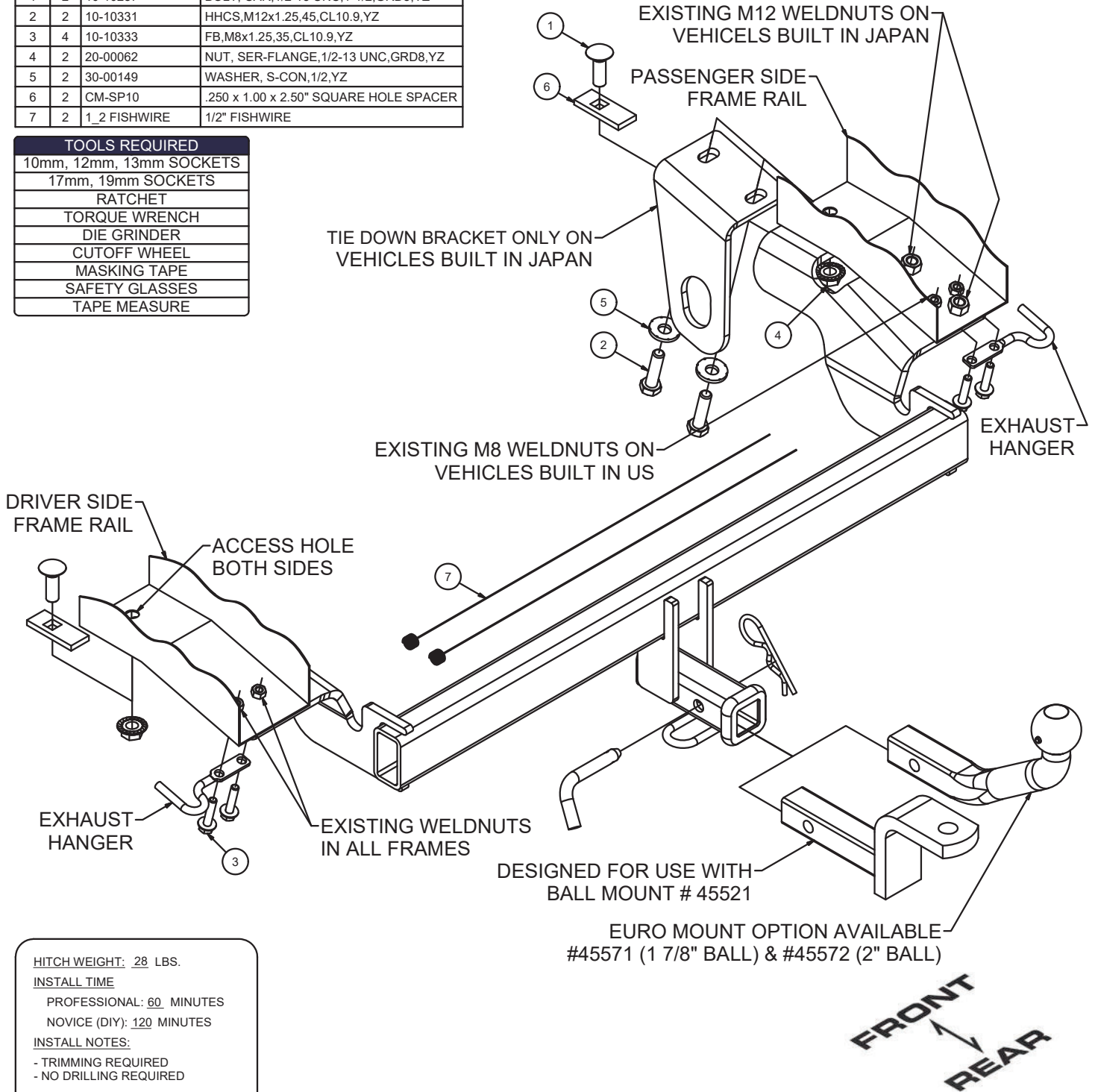
WARNING: ** FAILURE TO PROPERLY SUPPORT NON-TRAILER LOADS WILL VOID PRODUCT WARRANTY **

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



| Parts List | | | |
|------------|-----|--------------|--|
| ITEM | QTY | PART NUMBER | DESCRIPTION |
| 1 | 2 | 10-10287 | BOLT, CAR, 1/2-13 UNC, 1-1/2, GRD8, YZ |
| 2 | 2 | 10-10331 | HHCS, M12x1.25, 45, CL10.9, YZ |
| 3 | 4 | 10-10333 | FB, M8x1.25, 35, CL10.9, YZ |
| 4 | 2 | 20-00062 | NUT, SER-FLANGE, 1/2-13 UNC, GRD8, YZ |
| 5 | 2 | 30-00149 | WASHER, S-CON, 1/2, YZ |
| 6 | 2 | CM-SP10 | .250 x 1.00 x 2.50" SQUARE HOLE SPACER |
| 7 | 2 | 1_2 FISHWIRE | 1/2" FISHWIRE |

| TOOLS REQUIRED | |
|------------------|----------------|
| 10mm, 12mm, 13mm | SOCKETS |
| 17mm, 19mm | SOCKETS |
| | RATCHET |
| | TORQUE WRENCH |
| | DIE GRINDER |
| | CUTOFF WHEEL |
| | MASKING TAPE |
| | SAFETY GLASSES |
| | TAPE MEASURE |



HITCH WEIGHT: 28 LBS.

INSTALL TIME

PROFESSIONAL: 60 MINUTES

NOVICE (DIY): 120 MINUTES

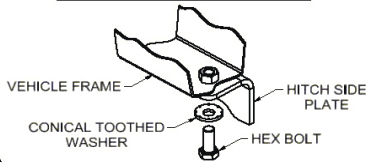
INSTALL NOTES:

- TRIMMING REQUIRED
- NO DRILLING REQUIRED

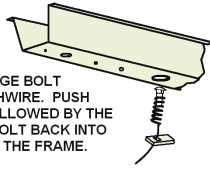
PERIODICALLY CHECK THIS RECEIVER HITCH TO ENSURE THAT ALL FASTENERS ARE TIGHT AND THAT ALL STRUCTURAL COMPONENTS ARE SOUND.

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.

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.

CONICAL TOOTHED WASHER ORIENTATION DIAGRAM**REVERSE PULL FISHWIRE TECHNIQUE**

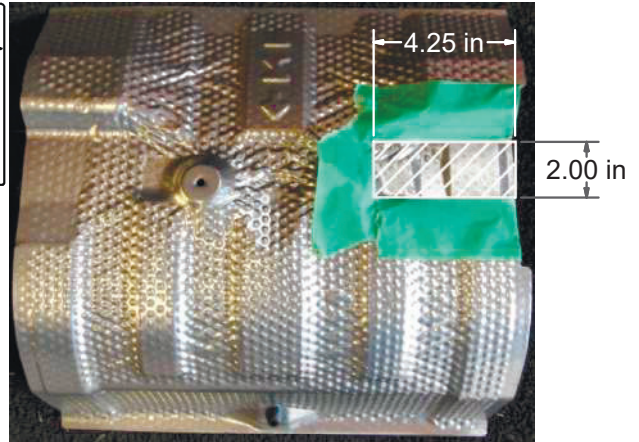
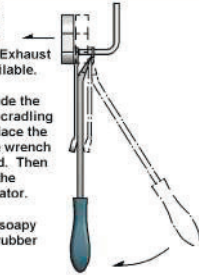
ATTACH FISHWIRE TO CARRIAGE BOLT AND SLIDE SPACER ONTO FISHWIRE. PUSH THE BOLT THRU THE HOLE FOLLOWED BY THE SPACER (AS SHOWN). PULL BOLT BACK INTO POSITION, PROTRUDING FROM THE FRAME.

**RUBBER ISOLATOR REMOVAL DIAGRAM**

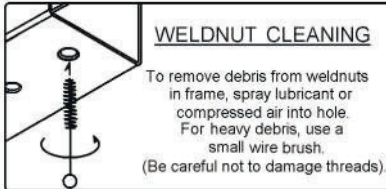
This technique can be used if an Exhaust Hanger Removal Pliers is not available.

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.

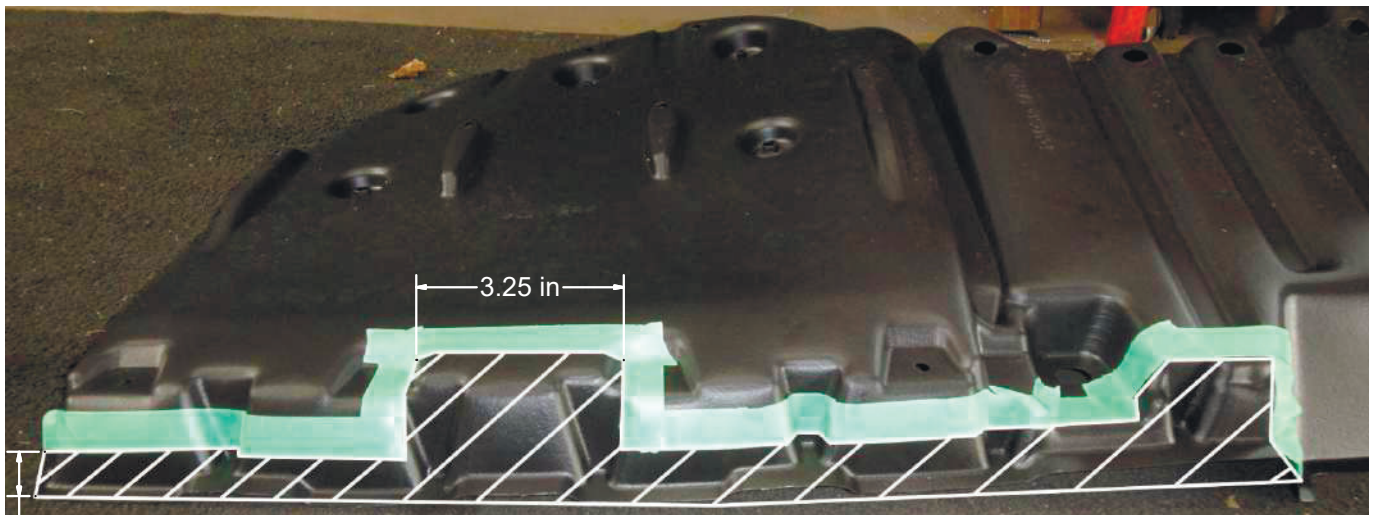
Note: Using a spray lubricant or soapy water on the hanger rod and the rubber isolator helps removal.



HEAT SHIELD TRIM DIAGRAM



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).



1.00 in

PANEL TRIM DIAGRAM

INSTALLATION STEPS

1. Lower exhaust by removing (2) rubber isolators per muffler and (1) rubber isolator forward of the muffler. **On Japan built vehicles:** remove tie down bracket from passenger side frame rail. **On USA built vehicles:** remove rear exhaust hanger from driver side frame rail. **On dual exhaust vehicles:** remove rear exhaust hanger from both frame rails. Save for reinstallation. **NOTE:** Support exhaust to prevent damage.
2. Remove heat shields and trim using HEAT SHIELD TRIM DIAGRAM for reference and reinstall. Remove plastic underbody panel and trim using PANEL TRIM DIAGRAM for reference. Save for reinstallation.
3. Enlarge access hole in both frame rails. Reverse fishwire 1/2" carriage bolt and CM-SP10 spacer into each enlarged access hole.
4. Raise hitch into position and secure using the provided hardware while reinstalling any removed exhaust hangers. Torque M12 hardware to 79 ft-lbs, M8 hardware to 23 ft-lbs, 1/2" hardware to 110 ft-lbs. Reinstall plastic underbody panel removed in Step 2.

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

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.