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78700 VOLVO XC90

9/20/2016

GROSS LOAD CAPACITY WHEN USED AS A WEIGHT CARRYING HITCH: 6000 LBS. TRAILER WEIGHT & 900 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 **

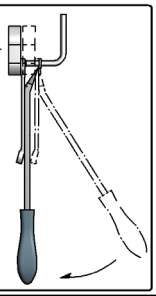
WARNING: * DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY ***

HAVING INSTALLATION QUESTIONS? CALL TECHNICAL SUPPORT AT 1-800-798-0813

Parts List

ITEM	QTY	PART NUMBER	DESCRIPTION
1	4	HFN 1213, GR8	HEX FLANGE NUT
2	4	1/2-13 x 1 1/2	CARRIAGE BOLT
3	4	1_2 FISHWIRE	1/2" FISHWIRE
4	4	CM-SP10	.250 x 1.00 x 2.50" SQUARE HOLE SPACER

RUBBER ISOLATOR REMOVAL DIAGRAM

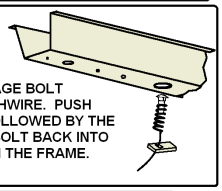


This technique can be used if an Exhaust Hanger Removal Pliers is not available.

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.

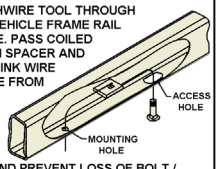
REVERSE PULL FISHWIRE TECHNIQUE



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.

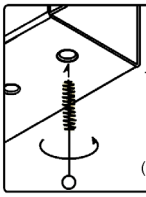
FISHWIRE TECHNIQUE

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.

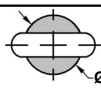


NOTE: SOME VEHICLES MAY FISHWIRE THROUGH END OF FRAME

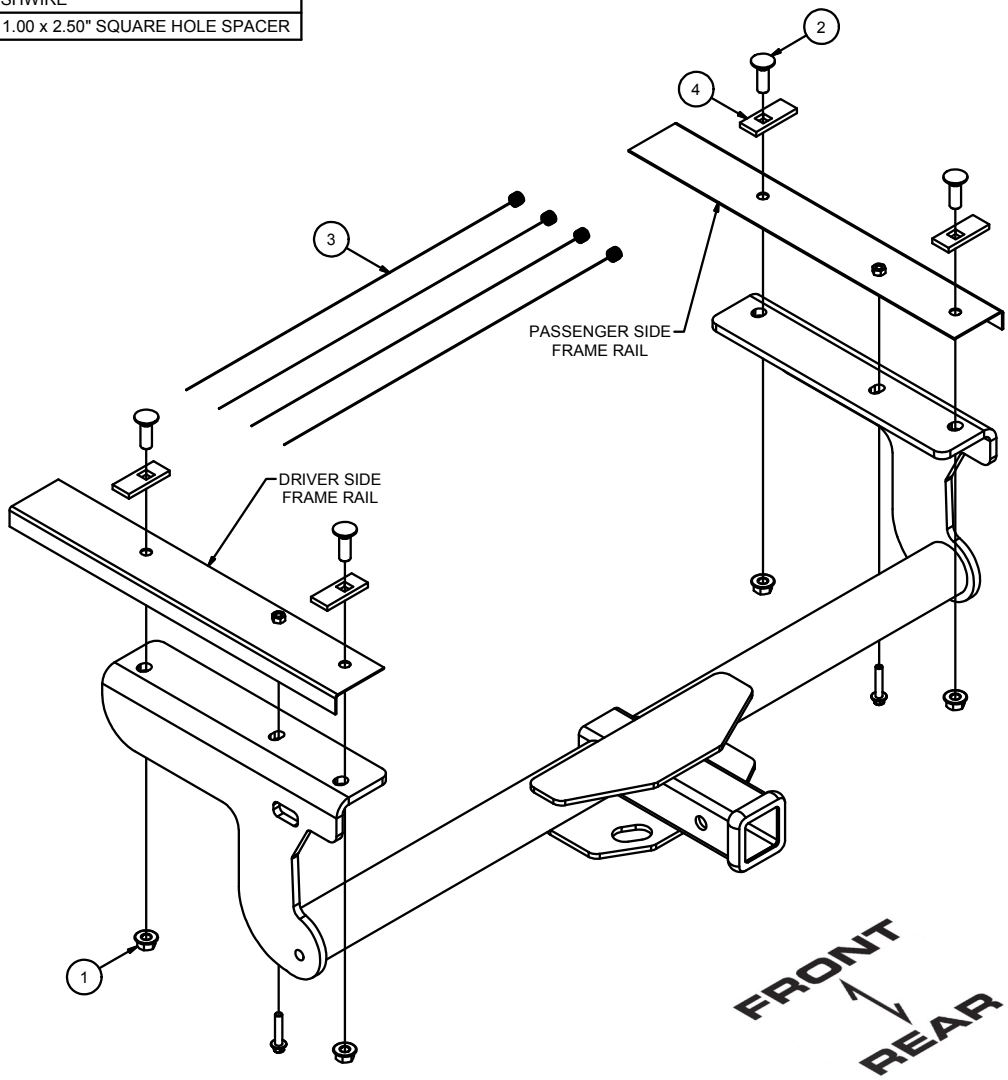
WELDNUT CLEANING



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).



HOLE ENLARGEMENT DIAGRAM



HITCH WEIGHT: 53 LBS.

INSTALL TIME

PROFESSIONAL: 45 MINUTES

NOVICE (DIY): 90 MINUTES

INSTALL NOTES:

-REVERSE FISHWIRE
-LOWER EXHAUST
-FISHWIRE HARDWARE
-WELDNUT CLEANING

TOOLS REQUIRED
RATCHET
TORQUE WRENCH
T25 SOCKET
10mm SOCKET
13mm SOCKET
8" EXTENSION
DRILL
1/2" DRILL BIT
SHEARS
SAFETY GLASSES

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

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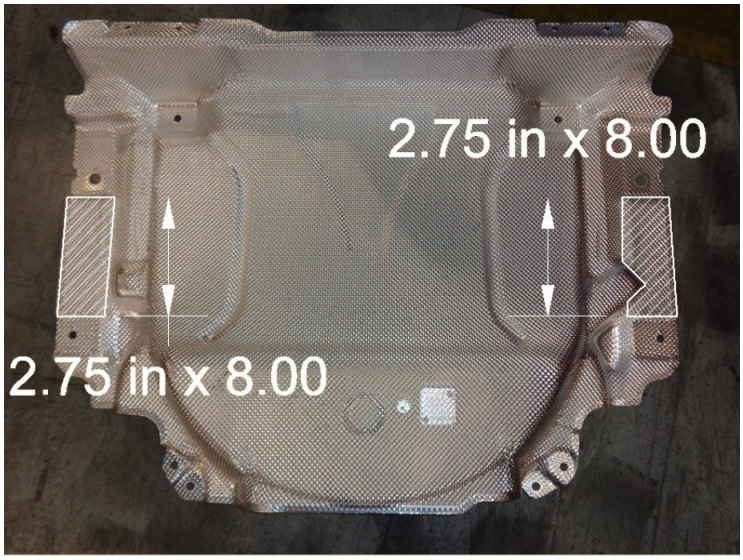
HEAT SHIELD
TRIM DIAGRAM



INSTALLATION STEPS

1. Remove (4) fasteners attaching the bottom of the fascia to the vehicle using a T25 socket.

2. Remove (2) M10 bolts for the exhaust brackets. Lower the Exhaust.

3. Remove (2) M6 bolts holding the heat shield using a 10mm socket. Remove (4) speed clips from studs holding the heat shield. Remove the heat shield, and trim as pictured in the diagram.
   Trimming: Use shears or a rotary cut-off wheel.
   Heat Shield: Trim along area as shown (Heat Shield Diagram) following the curvature of the heat shield.

4. Remove (4) fasteners located on each side in the wheel well using a T25 socket.

5. Gently remove bumper fascia, and detach sensors as needed. Mark sensors upon removal to ensure proper reattachment.

6. Align the hitch using the exhaust bracket attachments (M10 bolts). Using the hitch as a template, mark the hole locations on the vehicle frame.

7. Enlarge forwardmost hole to approximately 1" on each side of the frame using a die grinder.

8. Use 9/16" tap to drill the rearmost holes on each side of the frame at the previously marked locations using a drill.

9. Fishwire (1) 1/2" carriage bolt and spacer from the forwardmost hole to the rearmost hole on each frame rail.

10. Reverse fishwire (1) 1/2" carriage bolt and spacer into the forwardmost hole on each frame rail.

11. Raise hitch into position and pull fishwires so the bolts are in their final position. Remove the fishwires carefully and loosely install the supplied 1/2" hex flange nuts.

12. Raise exhaust into place. Loosely install the factory M10 bolts.

13. Torque all 1/2" bolts to 110 ft-lbs. Torque all M10 bolts to 48 ft-lbs.

14. Reassemble by repeating steps 1-5 in reverse order.

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