

INSTALLATION MANUAL

13490

Level of Difficulty

Moderate

Installation difficulty levels are based on time and effort involved and may vary depending on the installer level of expertise, condition of the vehicle and proper tools and equipment.

Weight Carrying Capacity

Gross trailer weight (GTW)	3,500 lbs.
Tongue weight (TW)	525 lbs.

Parts List

Item	Qty	Description
1	2	Carriage bolt, 1/2"-13, 1-3/4", grade 8
2	4	Hex bolt, M8 x 1.25 x 35mm
3	2	Serrated flange nut, 1/2"-13, grade 8
4	4	Flat washer, 1/4"
5	4	Lock washer, 5/16"
6	2	Spacer, 1/4" x 1" x 3"

Tools Required

Ratchet	Flathead screwdriver
Socket, 8mm, 10mm, 13mm, 16mm, 3/4"	Universal joint adapter
Socket extension, 2", 6"	Tape
Torx bit, T-30	Tape measure
External torx bit, E14	Aviation shears
Torque wrench	Fishwire, 1/2" (includes 2 qty)

⚠ WARNING

Never exceed the vehicle manufacturer's recommended towing capacity.

Product Photo



⚠ CAUTION

Trimming heat shield can lead to sharp edges, use caution when handling heat shield.

NOTICE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

This installation requires:

- Lowering of the exhaust
- Trimming of the heat shield

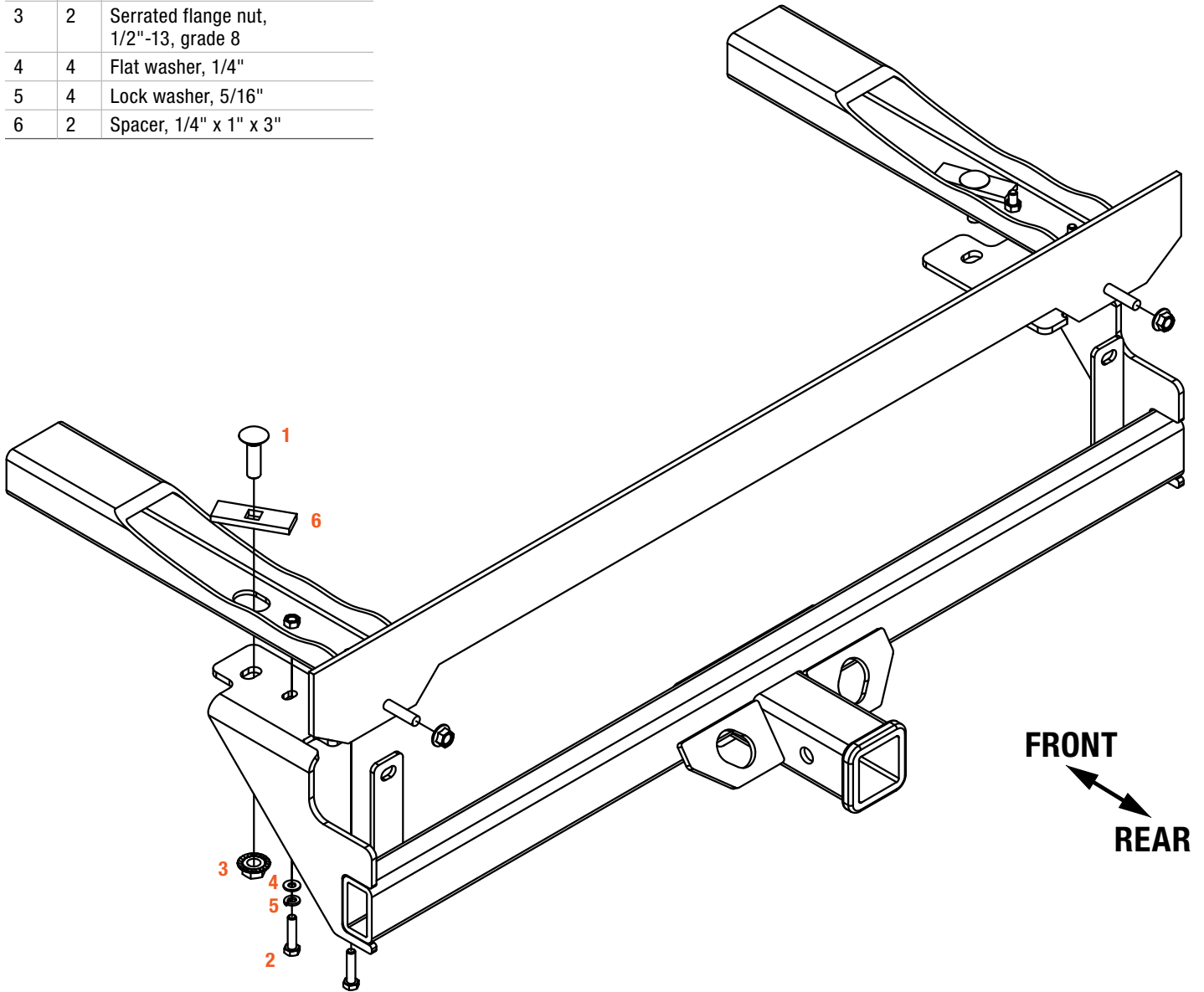
Periodic inspection of the trailer hitch should be performed to ensure all mounting hardware remains tight and structural components are secure.

To help prevent damage to the product or vehicle, refer to the specified torque specifications when securing hardware during the installation process.

ASSEMBLY

Parts List

Item	Qty	Description
1	2	Carriage bolt, 1/2"-13, 1-3/4", grade 8
2	4	Hex bolt, M8 x 1.25 x 35mm
3	2	Serrated flange nut, 1/2"-13, grade 8
4	4	Flat washer, 1/4"
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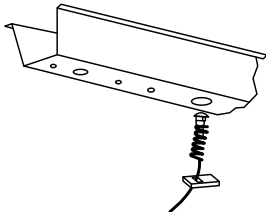


REVERSE PULL FISHWIRE TECHNIQUE

Attach the fishwire to the carriage bolt and slide the spacer onto the fishwire.

Push the bolt through the hole followed by the spacer, as shown.

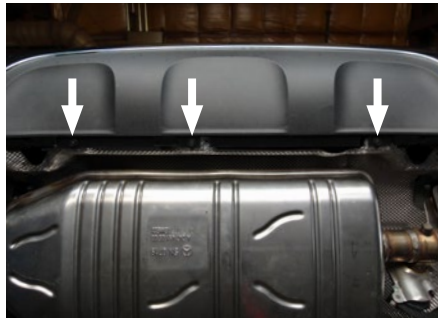
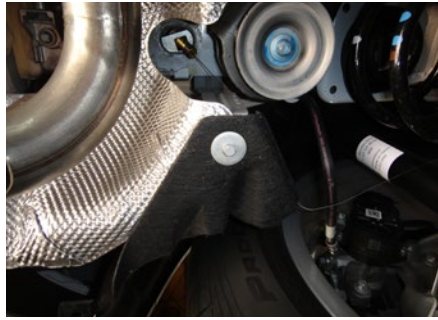
Pull the bolt back into position, protruding from the frame.



Step 1

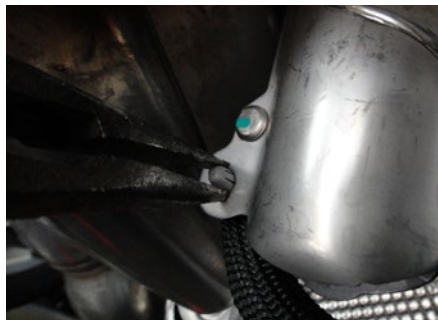
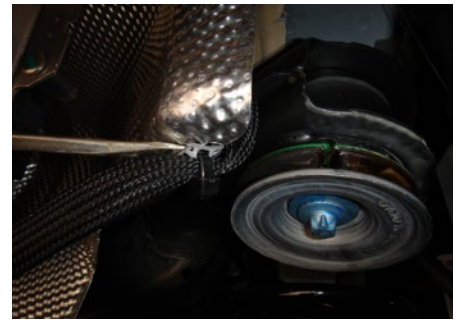
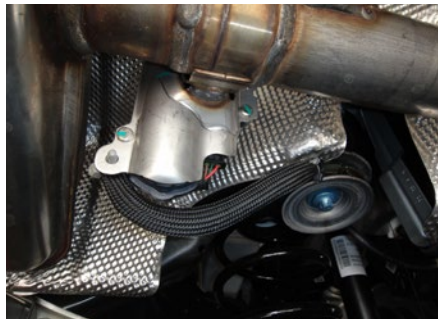
Remove the two push fasteners and two bolts from behind each wheel well.

Remove three screws using an 8mm socket from bottom of fascia.



Step 2

Unclip the electrical harness from the heat shield and exhaust.



Step 3

Lower the exhaust by removing two bolts from the exhaust support using a 16mm socket. Remove two torx-head bolts securing the exhaust in place. There will be one torx-head bolt on each side of vehicle.

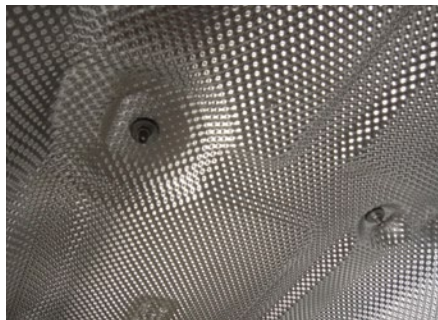
Note: Be sure to support exhaust.



Step 4

Remove four fender nuts located above the exhaust using an 8mm socket.

Remove the heat shield and set aside for trimming and reinstallation.



Step 5

Remove the weldnut and access hole covers from the frame rail. Remove the two bolts from the fascia support brackets using a 10mm socket. There will be one bolt on each side of the vehicle.



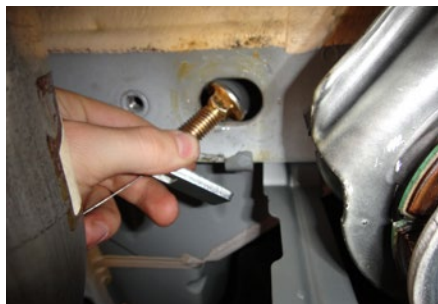
Step 6

Remove two nuts using a 16mm socket or wrench from the bumper beam studs. There will be one nut on each side of the vehicle.



Step 7

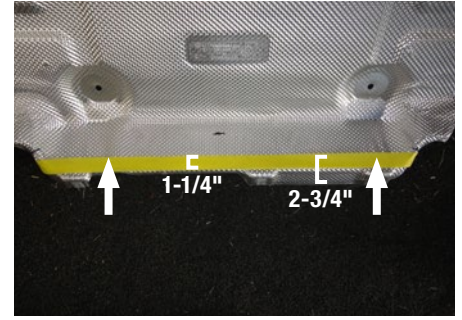
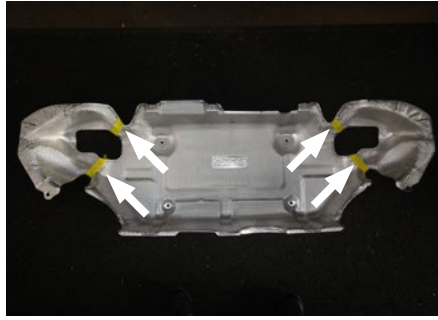
Reverse fishwire a 1/2" carriage bolt (#1) and spacer (#6) into the frame through the access hole on both sides of vehicle.



Step 8

Trim the heat shield using the trim diagrams as reference. Reinstall once trimming is complete.

Secure with four fender nuts that were removed in Step 4.



Step 9

Bend the rear-most part of heat shield that was trimmed in Step 8 toward the front of the vehicle. The heat shield should come straight down so it's positioned approximately in the middle of the main beam of the hitch front to back.

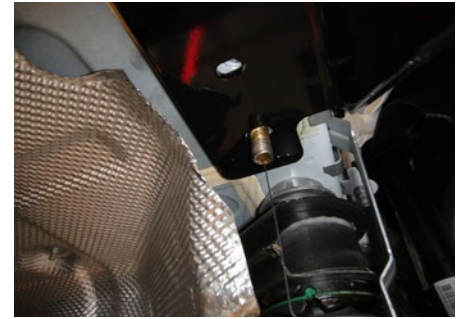
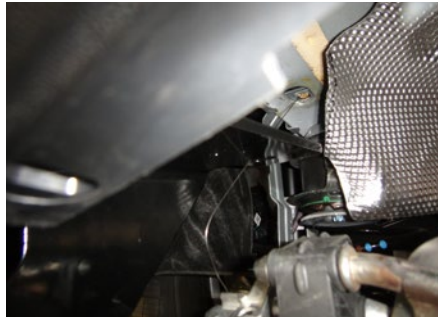


Step 10

Guide the fishwire through the largest hole on each side plate, raise the hitch until mounting tabs are placed on the bumper beam studs, then slide forward until hitch is in position.

Loosely secure the hitch by installing the M8 hex bolt (#2) in the middle hole of each side plate with a flat washer (#4) and lock washer (#5).

Note: You may need to pull gently on the fascia to allow enough room for the hitch to be raised into position.



Step 11

Secure both mounting tabs to the bumper beam studs using the nuts that were removed during Step 6. Raise the exhaust back into place and secure with two M8 hex bolts (#2), flat washers (#4) and lock washers (#5).

Remove the fishwire from the 1/2" hardware, making sure not to push hardware back into the frame. Secure using the provided 1/2" serrated-flange nut (#3).



Step 12

Torque all M8 hardware to 27ft lbs, M10 hardware to 53 ft lbs, and 1/2" hardware to 110ft lbs.



Step 13

Reinstall the exhaust bolts that were removed during Step 3 and bolts for fascia support brackets that were removed in Step 5. Reinstall the two push fasteners and two bolts that were removed in Step 1 from behind each wheel well. Be sure all electrical is reattached that was removed in Step 2.

Final Installed Image

