13218 AUDI Q5

7/22/2009

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

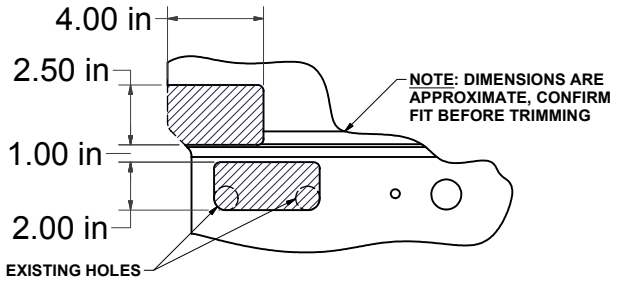
*****DO NOT EXCEED VEHICLE MANUFACTURER'S RECOMMENDED TOWING CAPACITY.*****

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

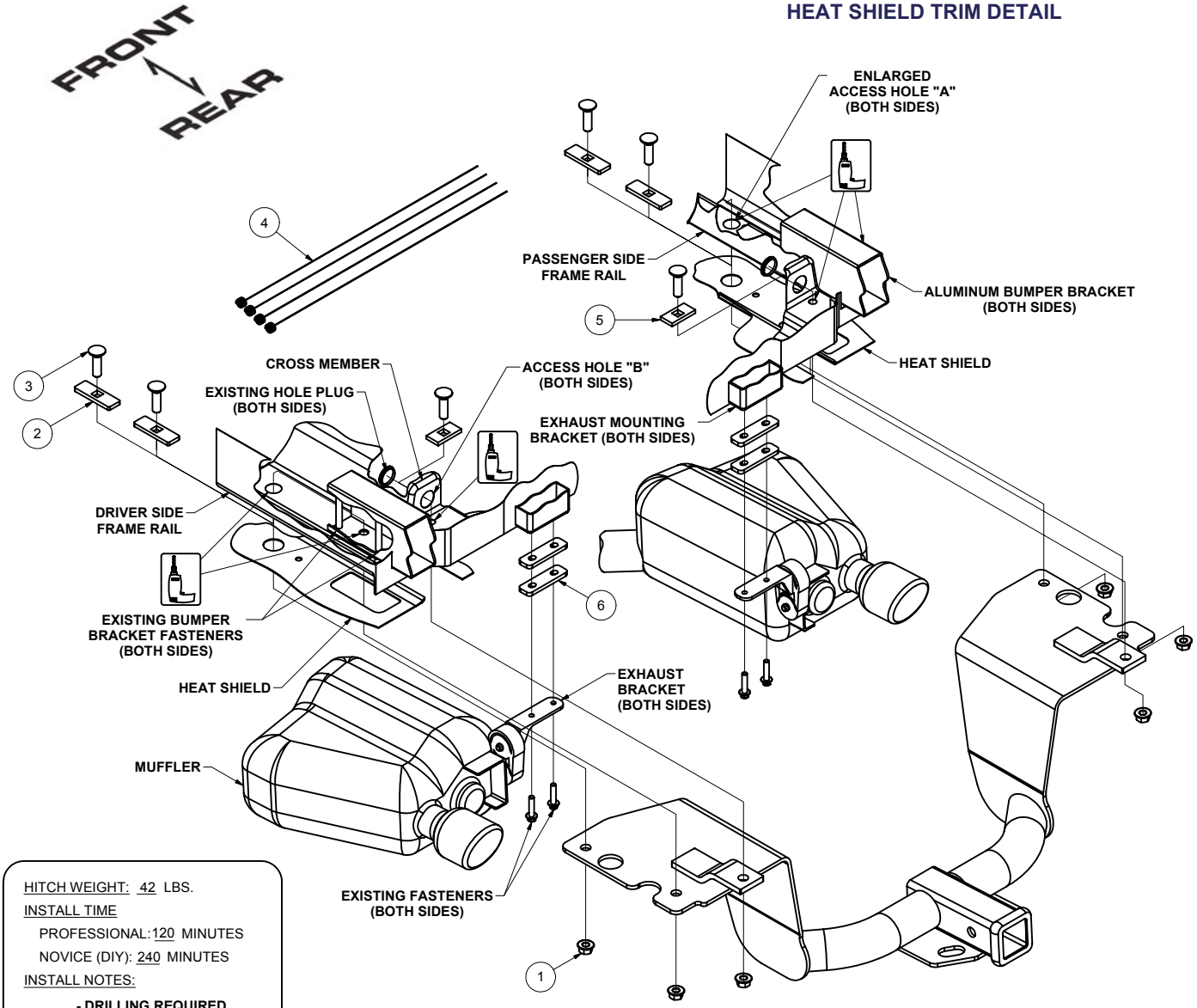
**** FAILURE TO PROPERLY SUPPORT NON-TRAILER LOADS WILL VOID PRODUCT WARRANTY****

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

Parts List			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	6	HFN 1213	HEX FLANGE NUT
2	4	CM-SP6	.250 x 1.00 x 3.00" SQUARE HOLE SPACER
3	6	1/2-13 x 1 3/4	CARRIAGE BOLT
4	4	1_2 FISHWIRE	1/2" FISHWIRE
5	2	CM-SP12	.250 x 1.00 x 2.00" SQUARE HOLE SPACER
6	4	CM-13218-ES	.250" EXHAUST SPACER



HEAT SHIELD TRIM DETAIL



HITCH WEIGHT: 42 LBS.

INSTALL TIME

PROFESSIONAL:120 MINUTES

NOVICE (DIY): 240 MINUTES

INSTALL NOTES:

- DRILLING REQUIRED
- LOWER EXHAUST
- FISHWIRE HARDWARE

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

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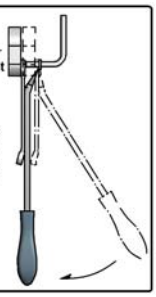
RUBBER ISOLATOR REMOVAL DIAGRAM

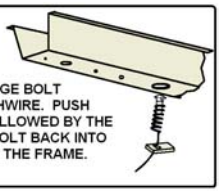


This technique can be used if and Exhaust Hanger Removal Pliers is not available.

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.

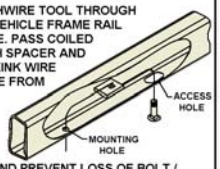
Note: Using a spray lubricant or soapy water on the hanger rod and the rubber isolator helps removal.

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.

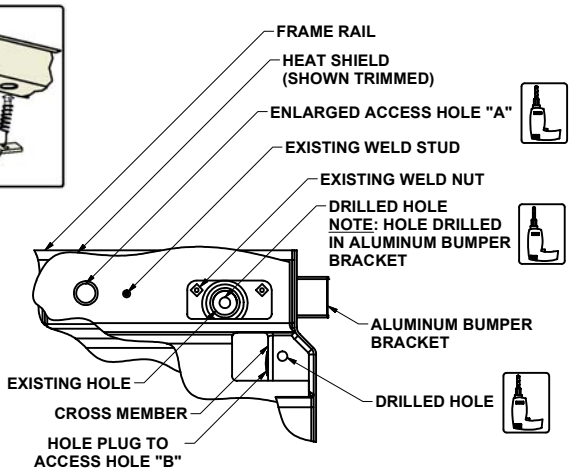
FISHWIRE TECHNIQUE



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

TOOLS REQUIRED
RATCHET
TORQUE WRENCH
RATCHET EXTENSION
T-25 TORX
DRILL
TIN SNIPS
CENTER PUNCH
13mm SOCKET
10mm SOCKET
3/4" SOCET
17/32" DRILL BIT



DRILL DETAIL (BOTH SIDES)

INSTALLATION STEPS

1. Remove the (2) rear most fascia fasteners. Retain fasteners they will be reinstalled later.
2. Remove fasteners from the rear most exhaust brackets and lower exhaust, support as needed to prevent damage. (SEE RUBBER ISOLATOR REMOVAL DIAGRAM) **NOTE: You may need to gently flex rear fascia to raise and lower exhaust.**
3. Remove heat shields from the driver and passenger side.
4. Raise hitch into position aligning access hole "A" in frame rails with the forward most hole in side plates. Mark drill holes with center punch in aluminum bumper bracket and in cross member. (SEE DRILL DETAIL)
5. Drill holes in frame marked in Step (4) using 17/32" drill bit.
6. Enlarge access hole "A" in frame rails to allow 1/2-13 carriage bolts and CM-SP6 spacers to pass through.
7. Fishwire 1/2-13 X 1 3/4" carriage bolts and SP6 spacers through enlarged access hole "A" and out the hole drilled in aluminum bumper bracket, both sides. (SEE FISHWIRE TECHNIQUE) **NOTE: SP6 spacers must be laid flat against fishwire to allow pass through between the bumper bracket fasteners and the aluminum bumper bracket, as shown in fishwire technique.**
8. Reverse fishwire 1/2-13 X 1 3/4" carriage bolts and SP6 spacers through enlarged access hole "A", both sides. (SEE REVERSE FISHWIRE TECHNIQUES)
9. Remove hole plug from access hole "B" in cross members and fishwire 1/2-13 X 1 3/4" carriage bolts and SP12 spacers through access hole "B" and out drilled hole, both sides. (SEE FISHWIRE TECHNIQUES) Replace hole plug after hardware is fishwired. **NOTE: Hole plug maybe covered with under coating and not be easily visible. Cross member maybe filled with foam, foam will need to be removed to allow spacer to sit flat in cross member. Remove foam using a flat head screw driver.**
10. Mark heat shield for trimming and confirm the fit. Trim heat shield using tin snips and reattach. (SEE HEAT SHIELD TRIM DETAIL)
11. Raise hitch into position and secure the side plates with 1/2" flange nuts, both sides. Remove fishwires from the bolts in the cross members and secure with 1/2" flange nuts.
12. Torque all 1/2" hardware to 75 ft-lbs.
13. Raise exhaust and sandwich the .250" exhaust spacers between the exhaust brackets and exhaust mounting tabs. Secure using existing fasteners removed in Step (2).
14. Reinstall rear fascia with fasteners removed in Step (1).

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