



SALEEN SPEEDLAB S281SC REAR WING KIT



INSTALLATION MANUAL: 2005 Mustang

P/N: 10-8002-C11998B

SALEEN

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***IF YOU ARE NOT EXPERIENCED IN THE
AREA OF AUTOMOTIVE MECHANICS, WE
STRONGLY URGE THAT YOU REFER THIS
INSTALLATION TO A CERTIFIED INSTALLER
OR TECHNICIAN***



Saleen Speedlab S281SC Rear Wing Kit Installation Guide for 2005 Mustang

Thank you for buying the Saleen Speedlab S281SC Rear Wing Kit for the 2005 Mustang. We appreciate your business, and we hope you enjoy your product.

For your benefit, please read the following instructions completely and thoroughly before attempting to install the S281SC Rear Wing kit. Many questions we have received from customers about the installation of our products could have been easily solved by information listed in the accompanying installation guide. We want you to enjoy the product in its fully functional state, and reading this tutorial is a great first step to getting you on your way to a more rare and attractive Mustang.

NOTE: You are responsible for painting your wing. The appropriate paint procedure is included in this kit. You must paint this wing before installing it on your car. **DO NOT APPLY TAPE TO THE WING BEFORE PAINTING IT.**

ALSO, BE SURE TO USE RED LOCTITE ON ALL 8 NUTS USED TO INSTALL THE WING.

Again, thank you for choosing Saleen!

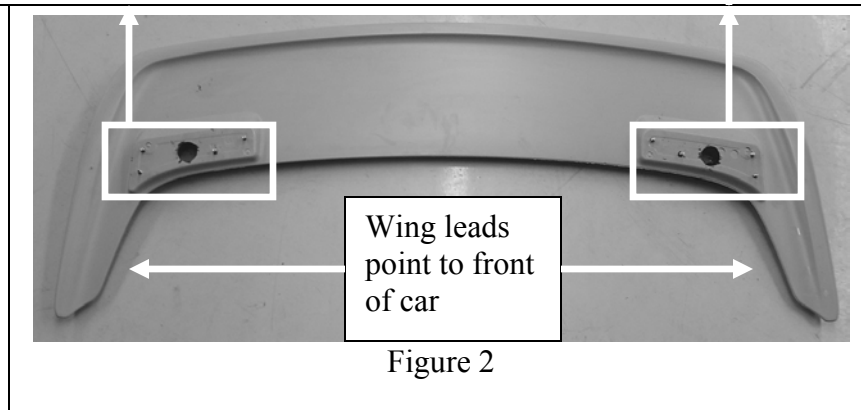
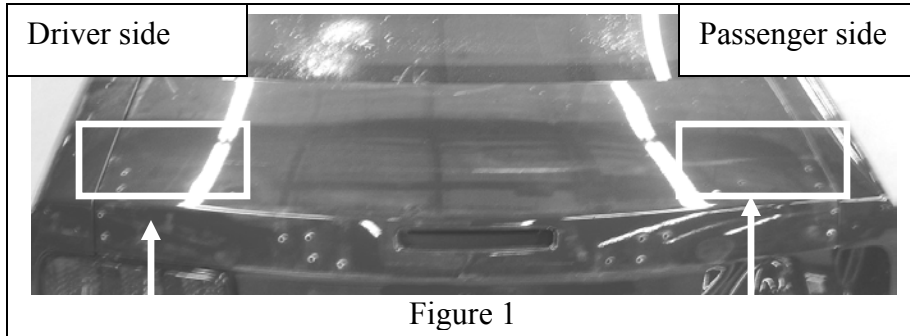


OBTAIN THE FOLLOWING TOOLS:

- Drill
- 1/8" bit
- 5/16" bit
- Torque seal
- Center punch
- Electric dremel
- Carbide dremel bit
- 7/16" angled gear wrench
- 1/4" drive ratchet
- 1/4" drive 7/16" socket
- Red Loctite
- Paint thinner
- 3M Automotive adhesion promoter #06396
- 1/4" diameter rope, 12" long

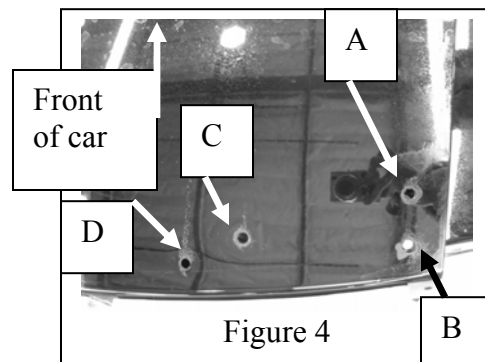
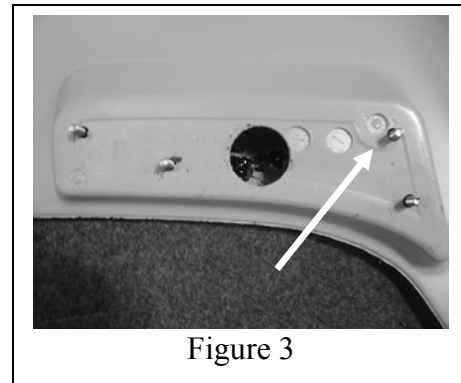
Please Check That All of The Following Parts, In Their Specified Quantities, Are In The Box You Received From Saleen:

10-1108-B12088*	REAR WING KIT, W/ BOX & INSTRX, 05 S281 S/C	1
06-1108-B11431*	REAR WING KIT 05 S281 S/C	1
00-9009-C12058*	RUBBER BUMPER 1/4" OD ADH BACKED 1/16" PROJ	2
06-1108-B12057*	REAR WING ASSEMBLY, PAINTED, 05 S281S/C	1
06-1108-B11705*	REAR WING ASSY UNPAINTED 05 S281 S/C	1
06-1108-C09554	REAR WING 05 S281	1
00-9002-C11830*	STUD PERF BASE 1/4-20 3/4" LONG Zn/YL PL ST	8
06-9000-B11704*	WING HARDWARE KIT 05 S281 S/C	1
00-9004-C12007*	WASHER, M6 ID 18MM OD, 18-8 SS	8
00-9003-C11802*	NUT, ACORN HEX, 1/4-20, 18-8SS, 7/16 Width, 15/32 Height	4
00-9003-C11803*	NUT, HEX, 1/4-20, 18-8SS, 7/16 WIDTH, 7/32 HEIGHT	4
00-9009-C11813*	PLUG, OVAL, FORD STOCK TAIL LAMP	2
00-9006-C08519*	DOUBLE SIDED TAPE 3M VHB .040 THK 3/4 WIDE CLR	5 ft.
10-8002-C11998	INSTALLATION MANUAL, S281 S/C REAR WING	1
10-8002-C11930	PAINT PROCEDURE, SALEEN ABS PLASTIC BODY KITS	1
10-8003-C11593	(Box) New wing w/logo	1



Order of Operations:

1. The two boxes in Figure 1 show the location of the holes that will be drilled in the deck lid to mount the rear wing.
2. Figure 2 shows the wing as it is shipped, with the studs installed. The studs will go into the holes you will drill in the deck lid.
3. Figure 3 is a close-up of the passenger side of the wing. You will use the stud indicated in Figure 3, as well as the one similarly located on the driver side of the wing, as a marker to properly place the holes in the deck lid. The stud indicated in Figure 3 will go into hole "B" shown in the deck lid in Figure 4. Figure 4 is a close-up of the passenger side of the deck lid (Figure 1).
4. Lay down a blanket or plastic sheet in the trunk to catch all the shavings from drilling the deck lid.



5. Mark each rearward, outboard hole location for the wing studs with a center punch. Mark the passenger side hole (hole "B" in Figure 4) 1 ¼" in from the passenger side outboard edge of the deck lid, and 7/8" forward from the outboard rear corner. (Figure 5)
6. The driver side hole will be 1 ½" in from the driver side outboard edge of the deck lid, and 7/8" forward from the rear outboard corner of the deck lid. (Figure 6)
7. Drill 1/8" pilot holes at those two rearward outboard hole locations (steps 5,6), then open the holes up to 5/16".
8. Place a dab of torque seal on the bottom of each stud in the wing. Using two people to hold the wing, line up the outboard rearward holes in the wing (Figure 3) with the marked rearward outboard hole locations in the deck lid ("B" in Figure 4; see also Figures 5,6). The leads of the wing go toward the front of the car; see the photo on the cover page of this manual, as well Figure 3, to properly orient the wing.
9. Carefully lower the wing onto the deck lid so the torque seal on the bottom of the studs marks the hole locations on the deck lid. Be very careful when lifting the wing off the deck lid so you don't smear the torque seal. (Figure 7)

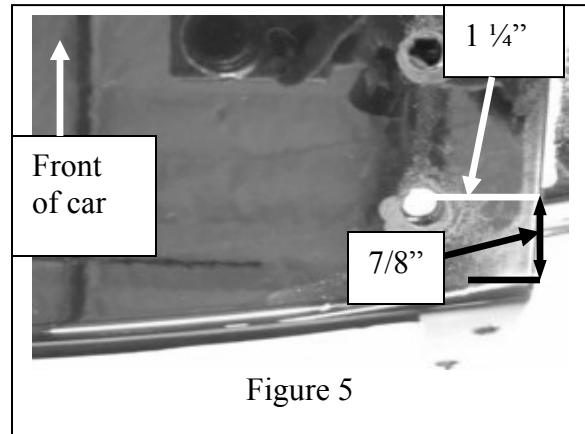


Figure 5

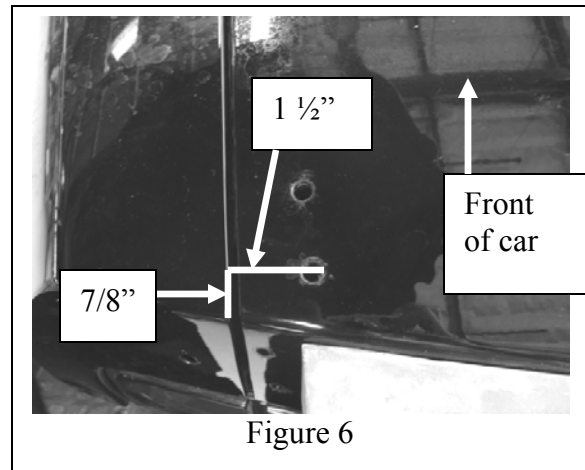


Figure 6

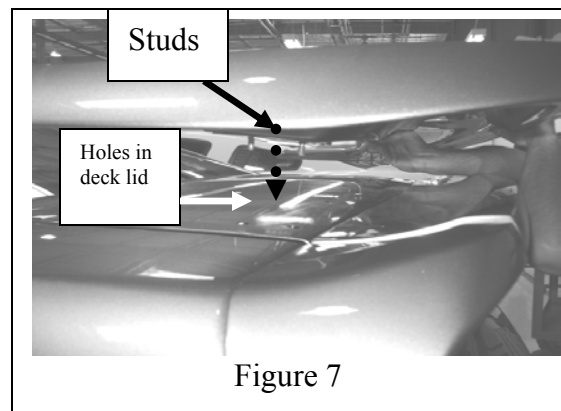


Figure 7

10. Secure the deck lid in an open position so it is a few inches above the tail light assemblies – this is to protect all trunk innards during hole drilling. (Figure 8)
11. Drill 1/8" pilot holes at the marked locations in the deck lid, then open the holes up to 5/16".
12. Using the electric dremel with a carbide tip, open up the stock holes on the underside of the deck lid at the locations indicated in Figure 9; Figure 10 is a close-up of Figure 9.
13. Open up both holes (driver side hole shown close-up in Figure 11, passenger side in Figure 12) to 5/8" wide by 7/8" long, so that you can fit a 7/16" wobbly socket in that holes. Make sure the holes are oval in shape. Deburr the holes.



Figure 8

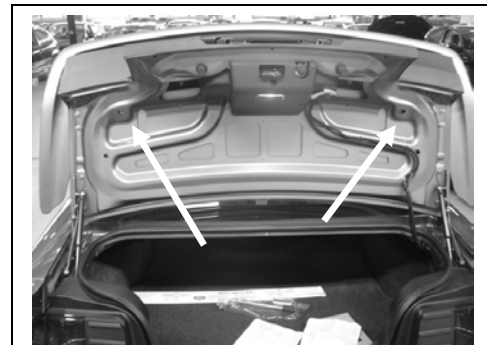


Figure 9

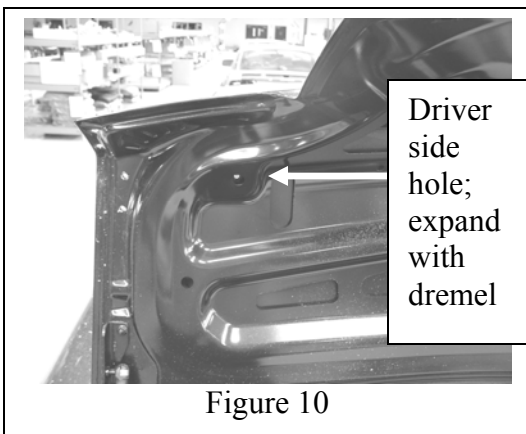


Figure 10

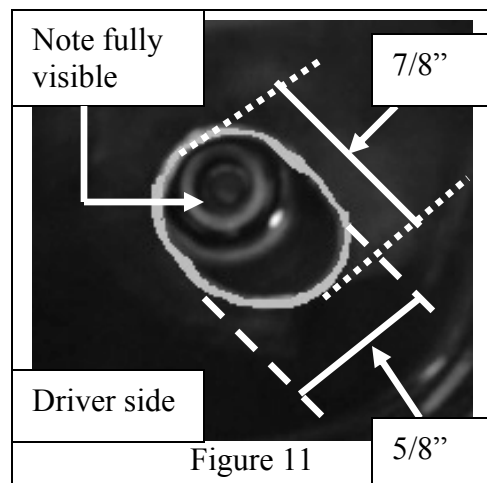
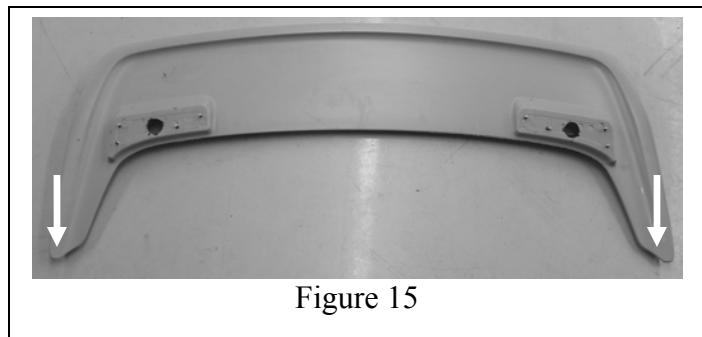
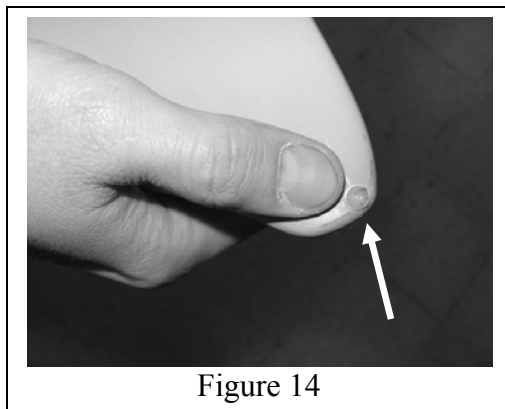
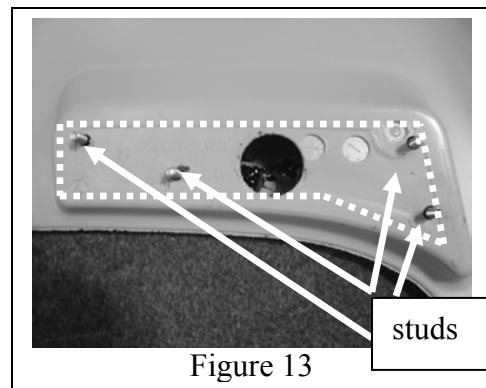
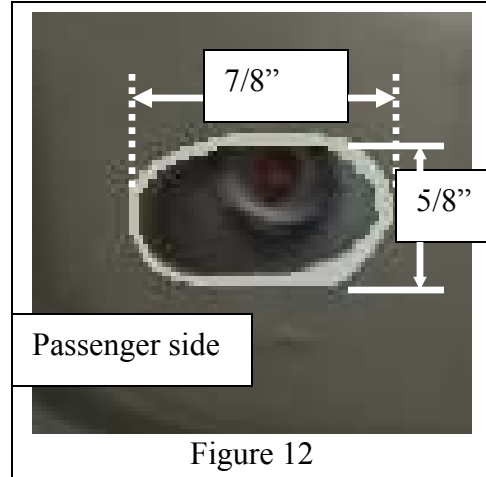


Figure 11

14. Using paint thinner, clean around the bottom side of the wing in the raised portion around the studs (clean the area indicated by the dotted line in Figure 13).
15. Apply automotive adhesion promoter (3M# 06396) around the base of the studs; follow the dotted line in Figure 13.
16. Cut sections of tape to form a perimeter around the studs. Do NOT allow the tape to go over the edge of the elevated platform through which the studs protrude – the idea is to position the tape so it is not visible when the wing is installed. Cut semi-circles in the tape where necessary to accommodate the studs (Figure 13). Place the tape around the studs (follow the dotted line in Figure 13). Press the tape FIRMLY onto the wing.
17. remove the backing from the bumpers (00-9009-C12058*) and place one under the front of each wing tip. (Figures 14, 15)



18. Before installing the wing, make sure the number of studs in the wing equals the number of holes drilled in the deck lid. Do a test fit to make sure all the holes line up. (Figure 16)
19. Apply adhesive promoter to the top of the deck lid around both sets of four holes. Follow the pattern in Figure 17 (Figure 17 shows the four holes on the passenger side of the deck lid). Make sure the pattern of adhesive promoter matches the pattern of tape around the base of the studs on the wing.
20. After verifying that the wing fits, remove the backing from the tape on underside of wing. (Figure 18)
21. Line up the studs in the wing with the holes in the deck lid, and insert the wing studs into the deck lid. (Figure 16)

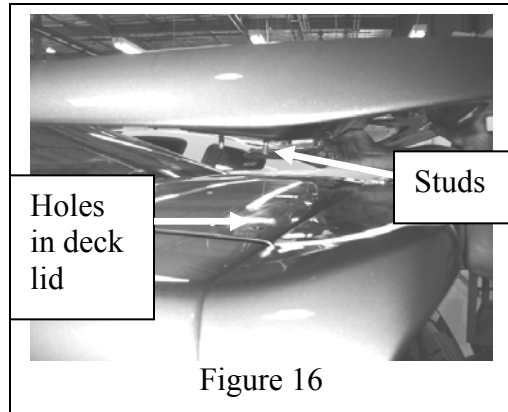


Figure 16

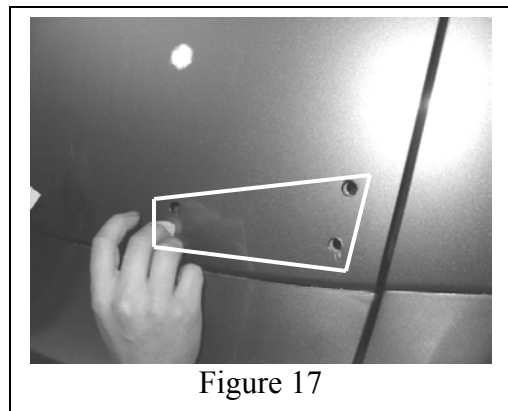


Figure 17

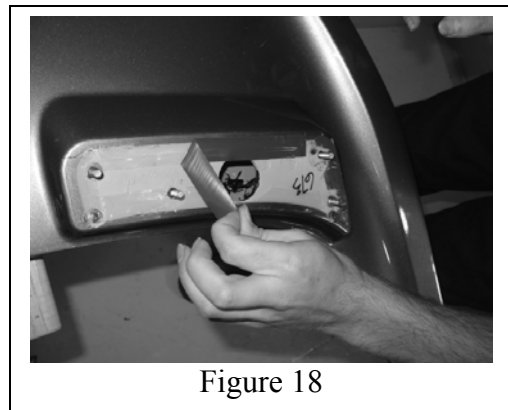


Figure 18

22. With the deck lid just partially open (so the wing doesn't fall out), secure four outboard studs of wing (two per side) with one washer (00-9004-C11804*) and one acorn hex nut (00-9003-C11802*; use red Loctite). (Driver side nuts shown in Figure 20). **Torque the nuts to 5 lb-ft.**
23. After the outboard studs of the wing are secured, open the deck lid all the way. Place a piece of 1/4" diameter rope inside the deck lid through the hole drilled out with the dremel, and pull the thread out of the adjacent hole (Figure 21). This is done to prevent hardware from falling into the deck lid.
24. Place one washer (00-9004-C11804*) and one hex nut (00-9003-C11803*) over each of the inboard studs (2 total) that are accessed through the inboard holes drilled out through the underside of the deck lid in step 12. (Figures 11,12) Use Loctite on each nut.
25. Tighten the hex nuts using a 7/16" socket and 1/4" drive ratchet, tighten hex nuts.



Figure 19

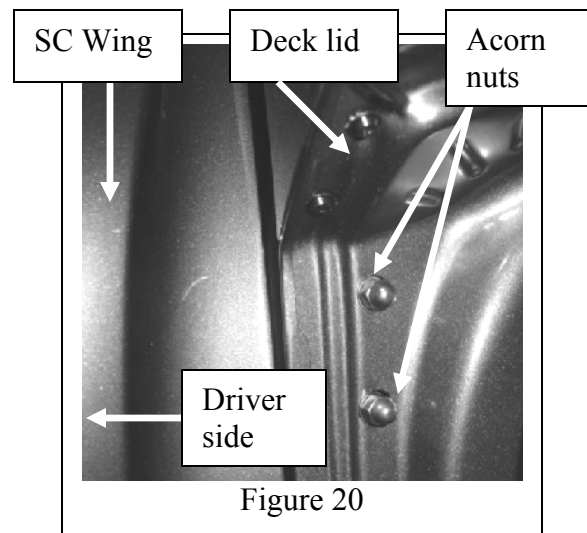


Figure 20

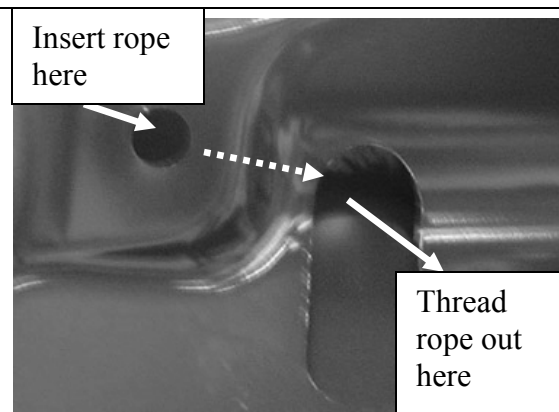


Figure 21

26. Place one washer (00-9004-C11804*) and one hex nut (00-9003-C11803*; use red Loctite) over each (2 total) of the furthest inboard studs (those that are not easily visible) and tighten with an angled ratcheting 7/16" wrench (Figure 23 is a close-up of Figure 22; Figure 24 is a view of the inside of the deck lid, and shows the nut on the studs). **Torque the nuts to 5 lb-ft.**
27. Remove the rope from the deck lid.
28. Using the oval rubber plug (00-9009-C11813*) cover each of the two holes drilled out with the electric dremel in step 12. (Figures 11,12)
29. Check to make sure you have placed a nut on every stud on the wing – four per side, or eight total (four regular hex nuts and four acorn hex nuts). Make sure all nuts have been tightened securely and torqued.

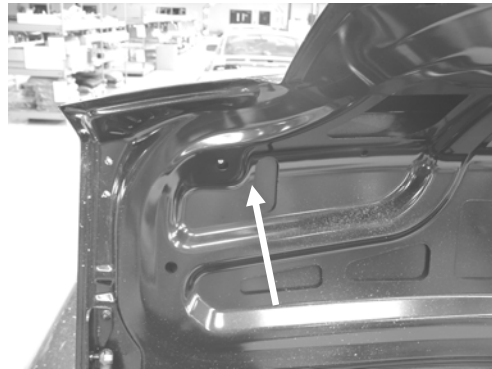


Figure 22

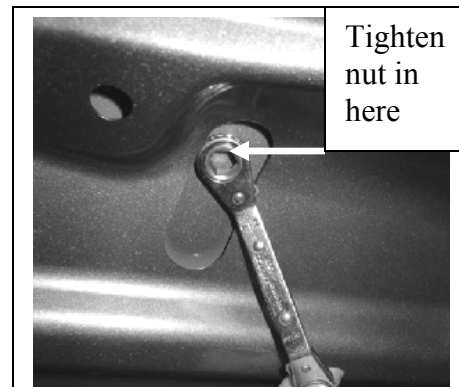


Figure 23

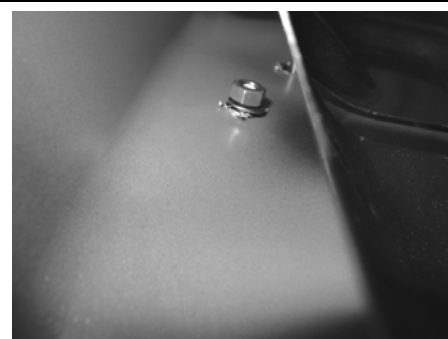


Figure 24

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