



Installation Instructions:

(Part # SB76980)
XRC Front Armor Kit

NOTE: Carefully read entire instructions thoroughly before attempting to install this part.

<u>Parts Included:</u>	<u>Qty</u>
93-326EP003 Front Armor: Drvr	1
93-326EP004 Front Fender: Pass	1
90-6774m Hardware Pack: Nutcert Installation	1
96-5951 Nutcert Tool	1
10mm Star Washer	1
10mm-1.5 50mm Socket Head Bolt	1
10mm Flat Washer 10.9	1
10mm-1.5 Nut 10.9 : Un-plated	1
90-6778m Hardware Pack:	2
10mm-1.5 Nutcert	14
10mm-1.5 X 25mm Button Head Bolt	16
10mm-1.5 X 20mm Button Head Bolt	8
Thread Locker Tube: Blue	1

IMPORTANT!: In order to install this front armor kit you will have to drill holes in the body.

Product cleaning and maintenance instructions

Stainless Steel Finish – Aluminum polish may be used to polish small scratches and scuffs on the finish. Mild soap, window or glass cleaner may be used to clean the finish. **Dual state powder coat finish** – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish, you may wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish. **Textured coated finishes** should be cleaned with a mild soap on a damp sponge. Do not apply polish or was that requires to be removed by means of buffing. This type of wax is commonly used at car wash facilities. **Chrome Finish** – Mild soap, window or glass cleaner may be used to clean the finish. In order to protect the finish you should wax your product on a regular basis with pure carnauba automotive wax. Do not use any types of soap, polish or was that contains abrasive that could damage the finish.

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(Part # SB76980)
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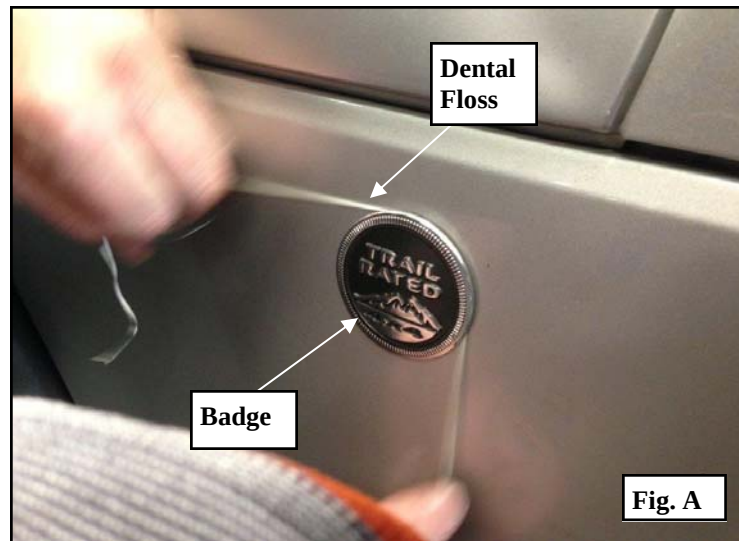
INSTALLATION:

Step 1: Remove any previously installed armor or front fender accessories.

Step 2: Thoroughly clean and dry the front fenders using compressed air or clean cloths.

Step 3: Working the drivers side of the vehicle, saw through the adhesive backing of the "Trail Rated" fender badge using dental floss. Remove any leftover adhesive from the fender using adhesive remover. (Fig. A)

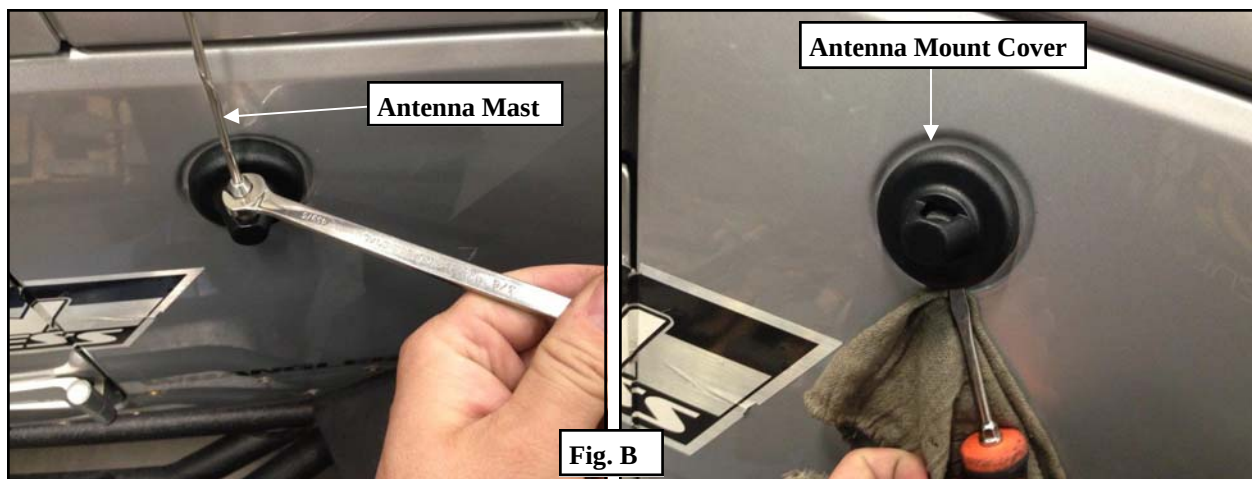
NOTE: Take special care not to damage the paint.



NOTE: Steps 4 and 5 are for the passenger side fender Only!:

Step 4: Remove the antenna mast and antenna mount cover. (Fig. B)

NOTE: Be careful not to damage the paint.



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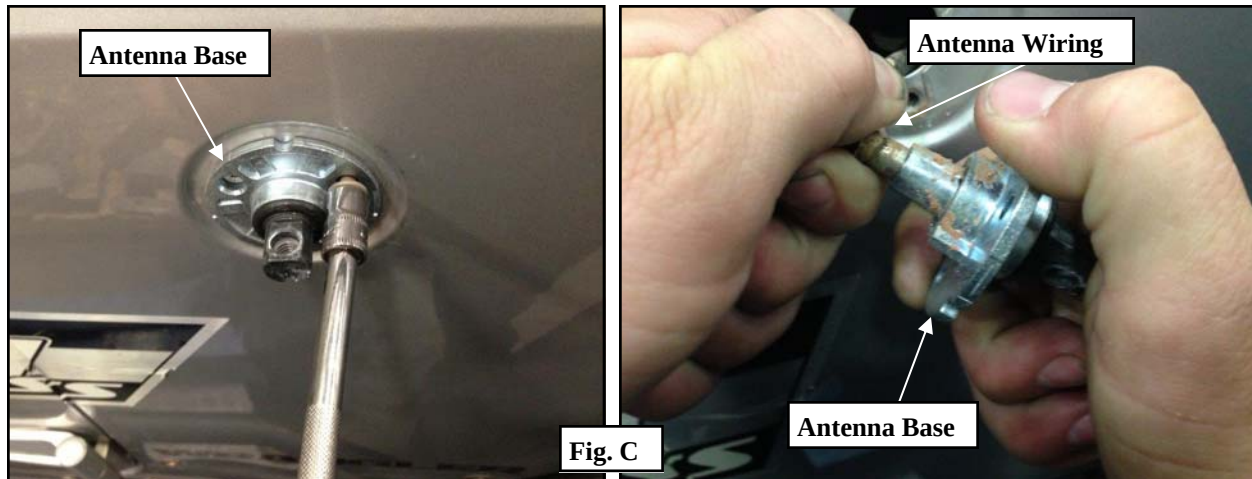
Smittybilt, 400 W Artesia, Compton, CA 90220



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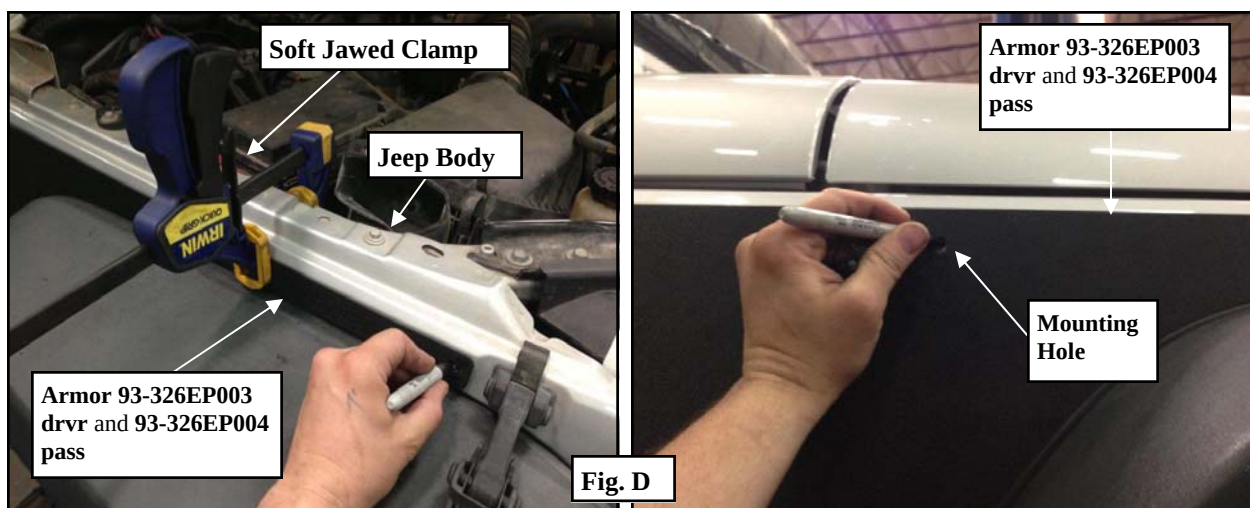
Step 5: Unbolt the antenna base from passenger side fender. Save the OE hardware for reinstallation. Unplug the antenna wiring. (Fig. C)

IMPORTANT!: DO NOT let the wiring fall back inside the fender. You may wish to tie or tape it up or just bend the cable so it is unlikely to fall back inside the fender.



Step 6: Apply painters masking tape to outer edges of the front fender, door and any other area that may be contacted during armor installation. This will prevent any possible damage to the paint.

Step 7: Carefully raise the front fender armor (93-326EP003 drvr and 93-326EP004 pass) into position on the front fender. Once in place temporarily clamp it to the fender using soft jawed clamps. Mark the location of the armor mounting holes using a permanent marker. (Fig. D) **NOTE: Applying painters masking tape to the marked drill locations may help to protect the paint.**



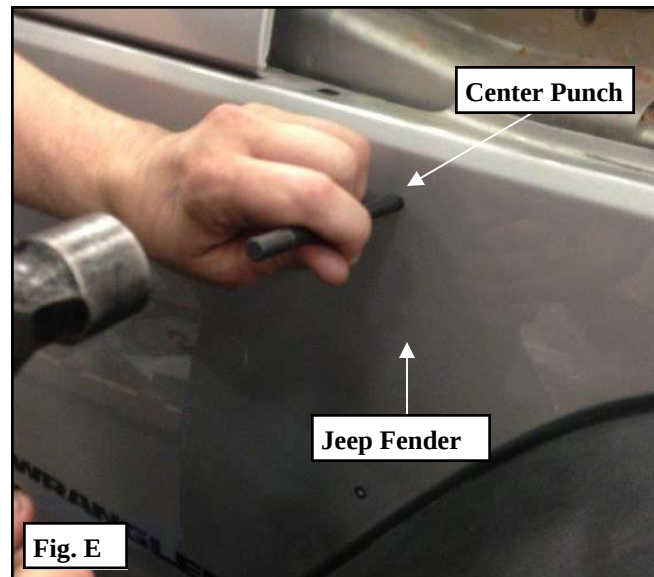
Step 8: Center punch the previously applied drill marks and drill each hole to 17/32". (Fig. E)

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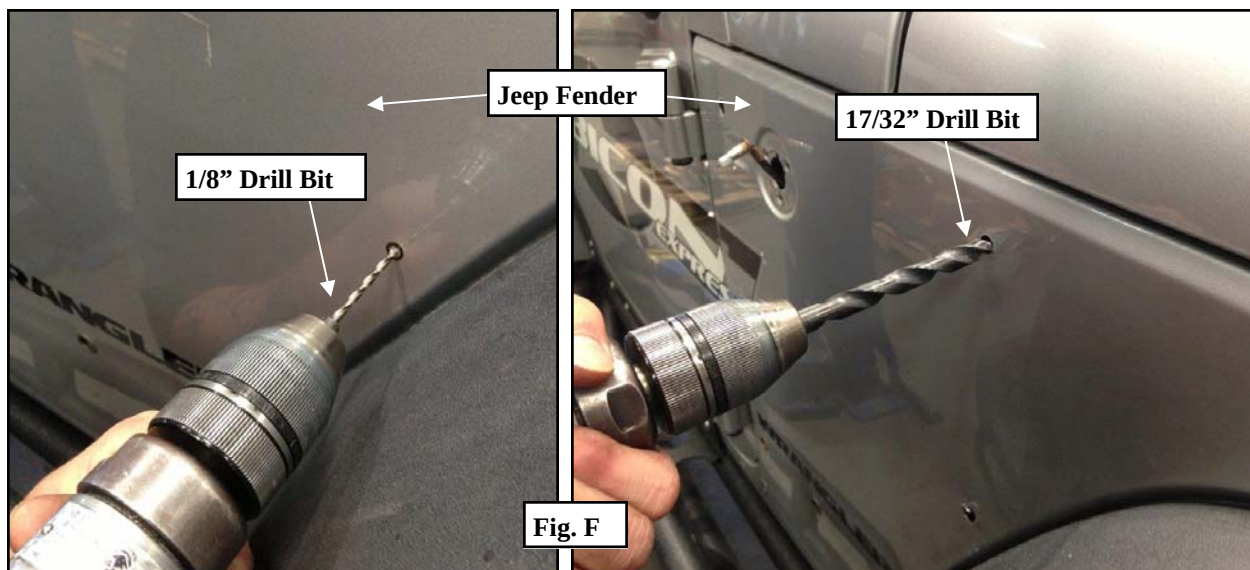
(Part # SB76980)
XRC Front Armor Kit



Step 9: Unclamp and remove the armor (93-326EP003 drvvr and 93-326EP004 pass) from the front fender.

Step 10: It is recommended starting out with an 1/8" bit working up to 17/32". This method will help reduce the chances of paint chipping. A Unibit or similar tool is recommended. (Fig. F)

NOTE: Areas around the door jamb will need to penetrate both layers of sheet metal when drilling.



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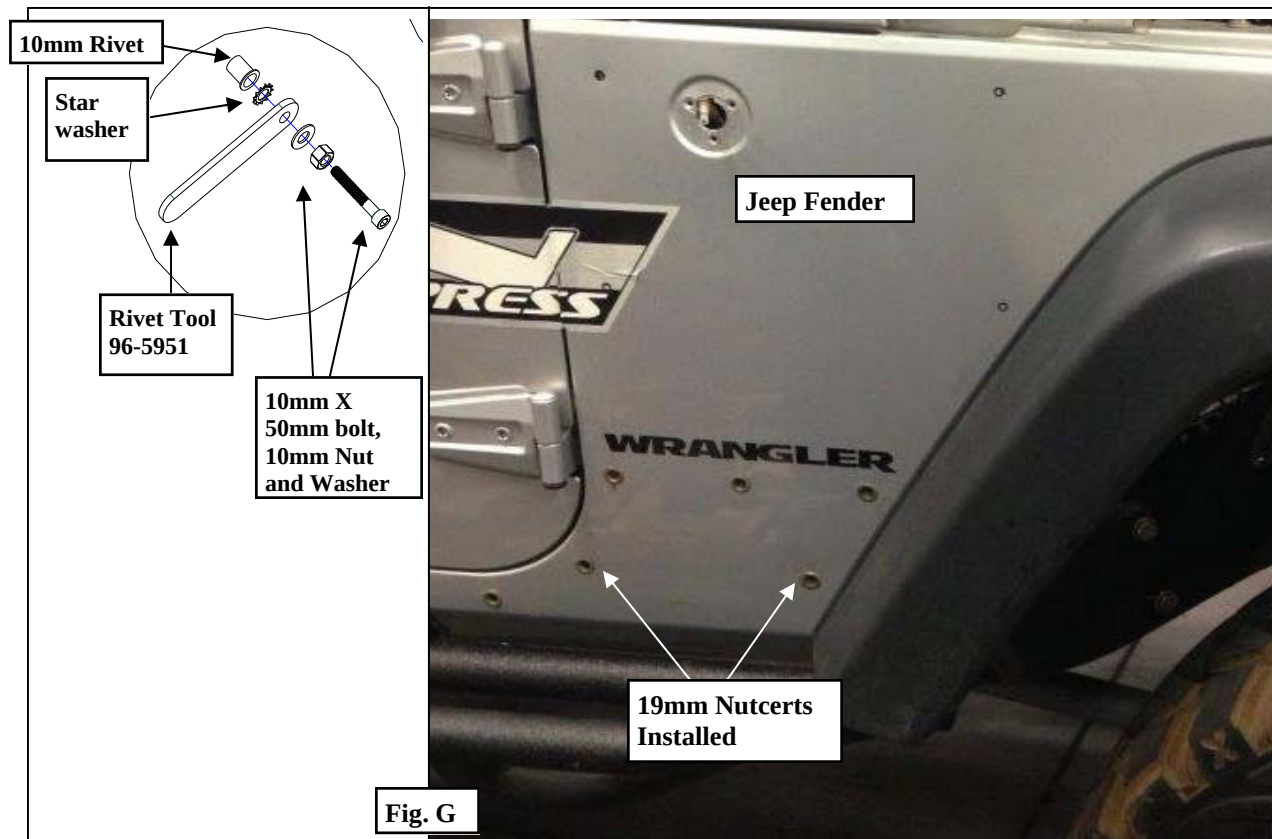


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(Part # SB76980)
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Step 11: Install the 10mm nutcerts into the previously drilled 17/32" holes. (Fig. G)

NOTE: If you do not have a professional nutcert installation tool, use the 10mm X 50mm socket head bolt, 10mm nut and washer. Install the nutcert into the 1/2" hole on the vehicle. Thread the nut up as far on the 10mm bolt as it will go and then follow that with the washer. Thread the bolt, nut, washer, nutcert tool (96-5951) and star washer assembly into the nutcert. (Fig. G) While holding the 10mm bolt with an Allen wrench, tighten the nut and washer down against the nutcert. Use the nutcert tool and star washer to keep the nutcert body from spinning while tightening the 10mm bolt. Once the nutcert is properly installed into the vehicle remove the 10mm bolt, nut, washer, nutcert tool (96-5951) and star washer.



Step 12: After installing the nutcerts, run a 10mm-1.5 tap through the threads. Installation can often warp the nutcert threads. (Fig. H)

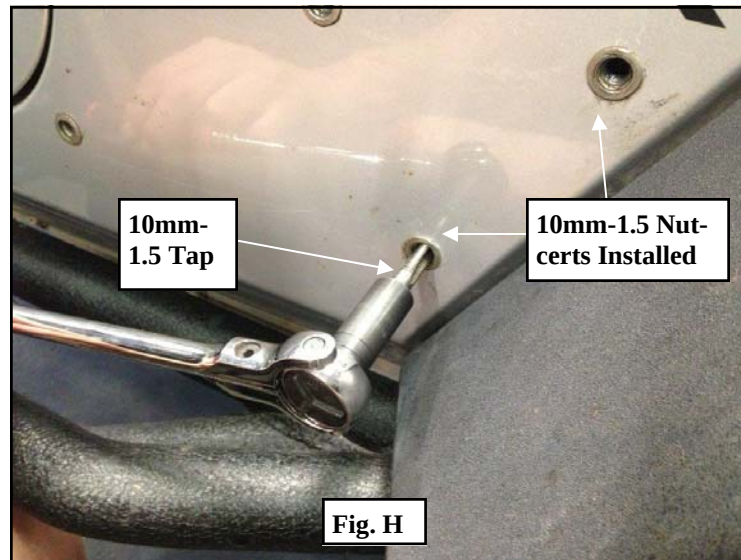
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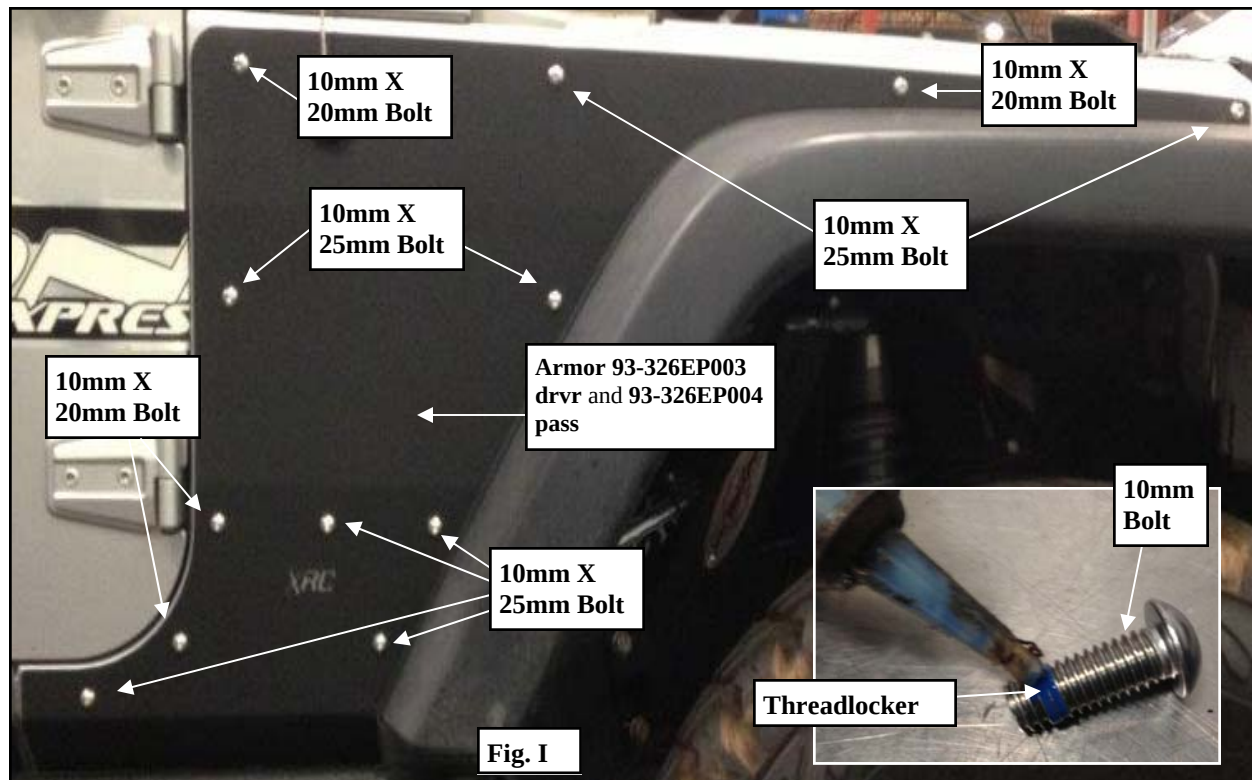
Installation Instructions:

(Part # SB76980)
XRC Front Armor Kit



Step 13: Reinstall the armor (93-326EP003 drv'r and 93-326EP004 pass) and secure using the supplied (8 per side) 10mm X 25mm bolts and (4 per side) 10mm X 20mm bolts. Be sure to apply threadlocker to the 10mm bolts. (Fig. I)

NOTE: The nutcerts are prone to spinning if not installed properly or cross threaded. Be sure to start the bolts by hand in the nutcerts.



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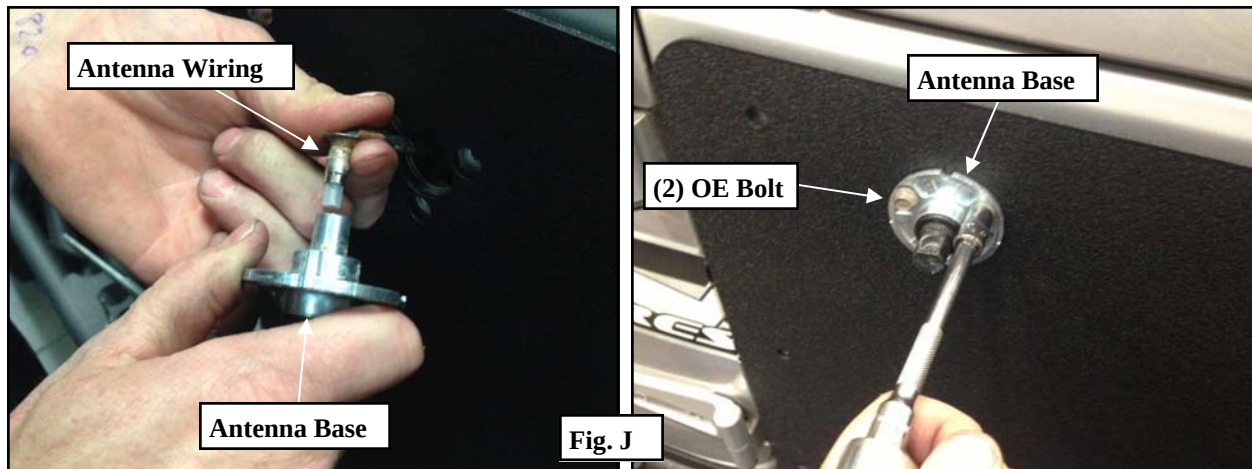
Installation Instructions: (Part # SB76980) XRC Front Armor Kit

Step 14: Torque all OE hardware according to manufacturers specifications or the supplied hardware according to the torque chart below.

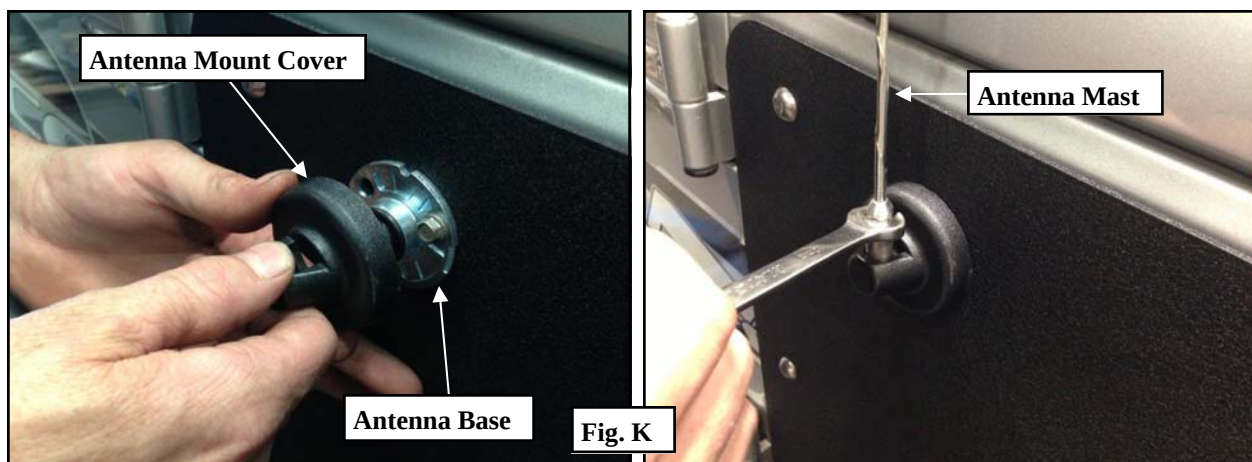
Step 15: Repeat steps 3 through 14 on the passenger side of the vehicle.

NOTE: Steps 16 and 17 are for the passenger side fender Only!:

Step 16: Reconnect the antenna wiring and bolt the antenna base to the passenger side armor using the previously removed OE hardware. Reinstall the plastic base cap, reattach the antenna mast. (Fig. J)



Step 17: Reinstall the plastic base cap, reattach the antenna mast. (Fig. K)



Step 18: Installation is now complete. (Fig. L)

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Bolt Torque and ID						
Decimal System			Metric System			
All Torques in Ft. Lbs.						
Bolt Size	Grade 5	Grade8	Bolt Size	Class 9.8	Class 10.9	Class 12.9
5/16	15	20	M6	5	9	12
3/8	30	45	M8	18	23	27
7/16	45	60	M10	32	45	50
1/2	65	90	M12	55	75	90
9/16	95	130	M14	85	120	145
5/8	135	175	M16	130	165	210
3/4	185	280	M18	170	240	290

1/2-13x1.75 HHCS

Grade 5 Grade 8

(No. of Marks + 2)

D T L X

G = Grade (Bolt Strength)
D = Nominal Diameter (Inches)
T = Thread Count (Threads per Inch)
L = Length (Inches)
X = Description (Hex Head Cap Screw)

M12-1.25x50 HHCS

P

D T L X

P = Property Class (Bolt Strength)
D = Nominal Diameter (Millimeters)
T = Thread Pitch (Thread Width, mm)
L = Length (Millimeters)
X = Description (Hex Head Cap Screw)

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Limited Warranties

Smittybilt's products are covered under the following limited warranties only. Note that the duration of the limited warranty differs according to the material and finish of the product purchased. Subject to the duration and conditions of the limited warranty stated below, Smittybilt warrants to the original retail purchaser that its products are free from defects in material and workmanship. All other warranties and representations express or implied, are hereby disclaimed, including fitness for merchantability and buyer's intended use or purpose. All parts are sold "AS IS" except for the limited warranties granted herein. Buyer assumes all risks as to the selection, suitability and performance of all goods and products selected. This limited warranty does not cover damage or impairment in any part due to misuse, improper installation, accident or contact with on-road or off-road hazards, product modification, improper or inadequate cleaning and/or maintenance. Smittybilt is not responsible for items damaged during shipping. This warranty is not transferable from the original buyer. For the original Buyer to be eligible for the limited warranty coverage, the Buyer must provide proof of purchase. Smittybilt strongly recommends returning the warranty registration card.

Customer's remedy hereunder shall be limited only to repair or replacement (at Smittybilt's option) of any defective part(s) returned to Smittybilt at customer's expense. The determination of whether or not a returned part is defective or subject to coverage under the limited warranties stated herein shall be made at Smittybilt's sole discretion.

To assure product quality, Smittybilt reserves the right to change product design, material, specification and finishes without prior notice to customers. This limited warranty gives you specific legal rights and you may also have other rights, which may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply as to you. Also, some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Smittybilt reserves the right to discontinue product lines and substitute products, or provide other remedies than those listed in this limited warranty for those discontinued products.

Warning

Rollover and other types of vehicle accidents may result in serious injury or death to you, your passengers and others sharing the road. Smittybilt accessories are decorative and are not intended to reduce or avoid injury or damage in the event of an accident. The weight and location of Smittybilt accessories may affect your vehicles' handling, stability and performance, creating an increased risk of accident or rollover. Before installing any accessory, check state laws and assure that the accessory will not obscure any lights or interfere with proper operation on your vehicle's safety equipment. Consult your owner's manual and the Smittybilt instructions, or additional safety information. Smittybilt products, nor the warnings contained herein, are not a substitute for your safe driving. Don't drink and drive, always use seat belts and don't drive faster than conditions permit.

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