

2007-2017 JEEP JK

HAMMERHEAD 2 DOOR REAR ARMOR FENDERS INSTALLATION INSTRUCTIONS



SAFETY

Know safety, no injury. Know injury, no safety. ~Author Unknown

If there are any questions, call 1-855-HHTOUGH

- **READ ALL SAFETY INSTRUCTIONS BEFORE INSTALLATION**
 - FOLLOW ALL INSTRUCTIONS FOR PROPER ASSEMBLY
 - WEAR APPROPRIATE EYE PROTECTION
 - EXERCISE CARE WHEN LIFTING COMPONENTS
 - USE APPROPRIATE TORQUE FOR BOLTS

SUGGESTED TORQUE VALUES FOR STEEL GRADE SAE 5 BOLTS

BOLT DIAMETER (INCH)	TREADS PER INCH	TORQUE (POUND-FEET)
1/4	20	7
5/16	18	14
3/8	16	25
7/16	14	40
1/2	13	60
9/16	12	88
5/8	11	120
3/4	10	200
7/8	9	302
1	8	466



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I. PARTS LIST

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>CHECKOFF</u>
1	601-56-3444	REAR FLARE MOUNT 1	
1	601-56-3445	REAR FLARE MOUNT 7	
1	601-56-3446	REAR FLARE MOUNT 2	
1	601-56-3447	REAR FLARE MOUNT 8	
2	601-56-3448	REAR FLARE MOUNT 3	
2	601-56-3449	REAR FLARE MOUNT 4	
2	601-56-3450	REAR FLARE MOUNT 5	
2	601-56-3451	REAR FLARE MOUNT 6	
1	60P-56-0601	LEFT ARMOR FENDER	
1	60P-56-0601	RIGHT ARMOR FENDER	
1	60K-56-0104	HARDWARE KIT #88	

II. HARDWARE KIT #104

<u>QUANTITY</u>	<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>CHECKOFF</u>
38	319-12-0017	20MM LONG 8MM BLACK BOLT	
20	314-03-0117	8MM NUT	
20	320-04-0072	LOCK WASHER	
20	320-03-0302	5/16 WASHER	
12	302-02-0411	HEX HEAD 8MM BOLT	
38	318-15-0001	8MM NUTSERT	
8	319-12-0016	35MM LONG 8MM BLACK BOLT	
2	319-12-0020	POLY SCREW	
2	320-03-0041	#10 WASHER	
46	320-10-0011	NYLON WASHER	

III. TOOL LIST

1. Basic tool set
2. Torx 40 socket
3. 7mm socket
4. 13mm wrench
5. 4 clamps
6. Nutsert tool
7. 7/16 Center punch
8. Drill
9. ¼ in drill bit
10. 17/32 drill bit
11. Flat head screw driver
12. Phillips head screw driver

IV. REMOVAL OF OE FLARE, TAILLIGHT, AND LICENSE PLATE HOLDER.

1. **Remove the 5 Christmas trees holding the inner fender in.**



2. **Pull the flare in a jerking motion to remove it from the fender.**
3. **Use the Philips head screwdriver to remove the 4 bolts on each rear taillight.**



4. **Pull out the taillight and unclip the light wires.**

5. Use a flat head screwdriver to remove the 2 bolts holding on the license plate.
6. Use the 7mm socket to remove the 4 bolts holding the license plate mount on. 2 are found underneath the license plate mount.

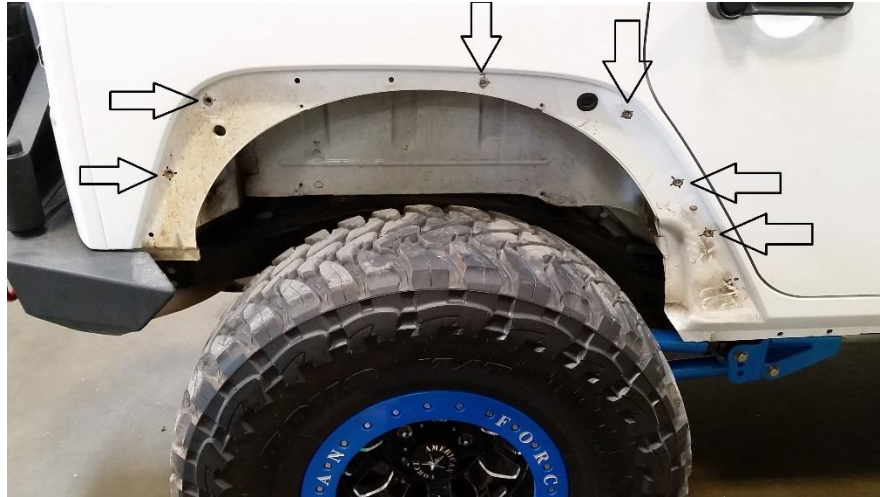


V. INSTALLATION OF THE ARMOR FENDERS

1. Installation is exactly the same as the 4 door except for 4 extra nutserts located at the front of the rear fender.
2. Clean the fender. Mark the existing holes as shown. Drill out the 6 holes with the 17/32 drill bit.



3. Use the nutsert tool to install 6 nutserts in the locations you just drilled. (Take your time. Nutserts are surprisingly easy to install if you take your time and carefully install them)



4. Install the flare braces with the hex head bolts (302-02-0411) both sides are shown. Each brace has small notches, the number of notches indicates which brace it is (brace number shown in the pictures below). Do not fully tighten the bolts. Leave just loose enough to adjust the brace.



Right side



Left side

5. Using the provided foam, cut, peel, and stick the foam to the back of the fender as shown as to protect the paint on your jeep.



6. Have a friend help you place the fender on the jeep. Clamp in place as shown with your 4 clamps.



7. Use 6 of the (319-12-0017 bolts) and 6 nuts (314-03-0017) to bolt the fender to the flare braces you installed in the last step. Use the clamps and the flare braces to help you position the rear fender. Align the rear, front, and gas cover cutout as shown.



8. Once the fender is correctly in place. Double check the alignment one more time. Then use your center punch to mark all the bolt holes in the fender for drilling. There are 17 bolt locations that need marking, 2 in the bottom front, 5 on the top, 3 in front, 4 in the back corner, and 3 on the back side.



9. **Once all the holes are punched pull the fender off and use the drill and the ¼ in drill bit to drill a pilot hole at each of the center punch locations.**
10. **After you drill the pilot holes switch to the 17/32 drill bit to widen all the holes.**



11. **Use the nutsert tool to install 13 nutserts in the locations you just drilled. (Take your time. Nutserts are surprisingly easy to install if you take your time and carefully install them) DO NOT put nutserts in the 4 holes in the corner. ONLY put nutserts in the holes shown below and the 4 extra holes in the front on the 2 door.**



12. Take the Armor Fender and use 13 of the (319-12-0017) bolts to bolt it to the jeep in the nutserts you just installed. Use the (319-12-0020) bolts for the 4 locations in the corner of the jeep (as shown below). If desired use a nylon washer (320-10-0011) with each bolt



13. Use 6 more of the (319-12-0017) bolts to bolt the fender to the brackets you have previously installed. Use a washer (320-03-0302) a lock washer (320-04-0072) a nylon washer if desired (320-10-0011) and a nut (314-03-0117) on each bolt.
14. It is easier to install if you start at the front installing bolts and work your way to the back. Do not tighten until you get all bolts in.
15. Use the 13mm wrench to tighten the 6 hex head bolts holding on the flare braces.
16. Repeat this process for the other side

VI. INSTALLATION OF THE INNER FENDER

1. Use the flat head screwdriver to remove the inner fender from the flare.



2. Use tin snips or the tool of your choice to trim the inner fender as shown. Make sure to follow the cut line as shown to save the 2 upper fastening holes in the inner fender



3. Using the OEM Christmas trees install the inner fender on the jeep in the same location it came from.



4. Repeat this process for the other side
5. Using the OE rear taillight screws install the rear taillight the same way you took it out. Do this for both sides
6. The rear license plate holder will need a small modification to work. The extend piece of plastic on the bottom that has 2 screw holes will need to be cut off. Use the tin snips or your tool of choice for this. Shown below cut off



7. Use the newly provided screws (319-12-0020) and washers (320-03-0041) to reinstall the license plate holder in the original location.



8. Check ALL bolts for tightness



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Congratulations! Your Hammerhead Armor Flares installation is now complete.

Thank you for your purchase.