



EVO Manufacturing

Jeep Wrangler JL/JT Gladiator

Front Vented/Non Vented Inner Fender Liner

EVO-3097/V, EVO-3098/V, EVO-3099/V





Before starting installation procedure please read <http://evomfg.com>Returns-Warranties-Shipping>

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**CAREFULLY READ AND FOLLOW ALL INSTRUCTIONS IN THIS MANUAL AND KEEP FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS ABOUT THE PRODUCT CALL EVO MANUFACTURING. FAILURE TO FOLLOW GUIDELINES COULD RESULT IN MALFUNCTION OF PARTS OR INJURY. PLEASE HAVE A TRAINED PROFESSIONAL ASSIST WITH OR INSTALL ALL PRODUCTS. INSTALLING EVO MFG PRODUCTS OR KITS DEMANDS SPECIFIC KNOWLEDGE, TOOLS AND EXPERIENCE. GENERAL KNOWLEDGE OF HOW TO USE LATER SPECIFIED TOOLS AND/OR LIMITED EXPERIENCE WITH EVO MFG PRODUCTS MAY NOT BE ENOUGH TO PROPERLY COMPLETE THESE TASKS. SOME OF EVO MFG PRODUCTS MAY REQUIRE TWO OR MORE PEOPLE TO INSTALL SAFELY AND CORRECTLY. DO NOT ATTEMPT ALONE, ALWAYS ENLIST THE HELP OF TRAINED PROFESSIONAL WHEN NEEDED.**

**Notes: Set Up Before installation**

**These instructions involve how to install Inner Liners with factory fenders.**

**This installation process will vary with aftermarket fenders.**

**If installing with aftermarket fenders work around these steps to install.**

**Inner fenders must mount to all body connections directly and then install all other fender parts or supports to the inner fender section. Sandwiching inner fenders between.**

**Do not mount inner fenders to outside of other parts.**

**Some adjustments may be needed to secure liner properly per individual vehicle setup.**

**Keep all mounting bolts loose (installed but not torqued) we will torque later at the end of complete installation**

**READ BEFORE INSTALL:**

It is generally a good idea to apply Loctite to all threaded bolts.

ALWAYS wear safety glasses and other approved safety gear when working on a vehicle.

All supplied bolts torqued according to chart at end of instruction.

It is recommended all installation be performed by a trained professional. Some modification may have to be done.

Paint all unfinished surfaces after install is complete if preferred.



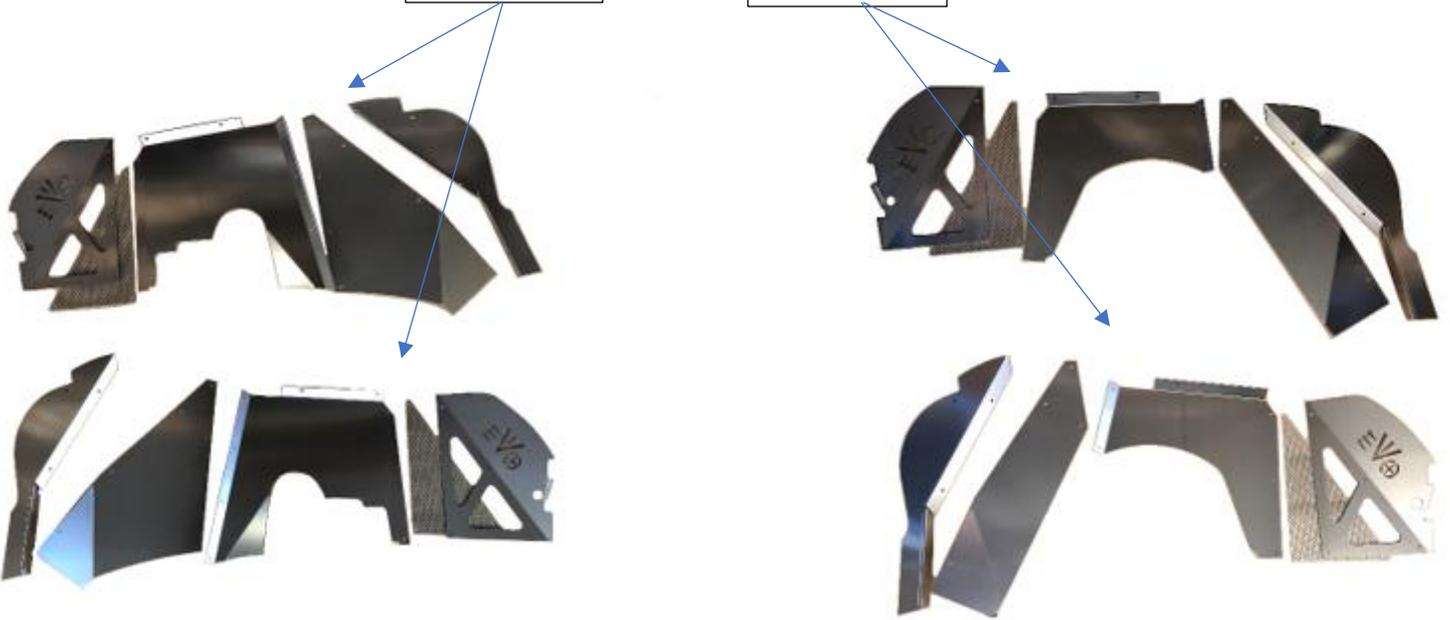
Parts included: Table below shows JL/JT Front Inner Fender Liners.

Product Prt. #	Description	#	Part #	Quantity
EVO-3097/V	Driver Front Panel	1	EVO-12444/ EVO-12472	1
	Driver Middle Panel	2	EVO-12445	1
	Driver Middle Rear Panel	3	EVO-12446	1
	Driver Rear Panel	4	EVO-12447	1
	Passenger Front Panel (Vented/Non-Vented)	5	EVO-12448/ EVO-12473	1
	Passenger Middle Panel	6	EVO-12449	1
	Passenger Middle Rear Panel	7	EVO-12450	1
	Passenger Rear Panel	8	EVO-12451	1
	Front Aluminum Backing Panel	9	EVO-12460	2
	Inner Fender Hardware	10	EVO-770090	1
EVO-3098/V	Driver Front Panel (Vented/Non-Vented)	1	EVO-12444/ EVO-12472	1
	Driver Middle Panel	2	EVO-12452	1
	Driver Middle Rear Panel	3	EVO-12453	1
	Driver Rear Panel	4	EVO-12447	1
	Passenger Front Panel (Vented/Non-Vented)	5	EVO-12448/ EVO-12473	1
	Passenger Middle Panel	6	EVO-12454	1
	Passenger Middle Rear Panel	7	EVO-12455	1
	Passenger Rear Panel	8	EVO-12451	1
	Front Aluminum Backing Panel	9	EVO-12460	2
	Inner Fender Hardware	10	EVO-770090	1
EVO-3099/V	Driver Front Panel (Vented/Non-Vented)	1	EVO-12444/ EVO-12472	1
	Driver Middle Panel	2	EVO-12456	1
	Driver Middle Rear Panel	3	EVO-12457	1
	Driver Rear Panel	4	EVO-12447	1
	Passenger Front Panel (Vented/Non-Vented)	5	EVO-12448/ EVO-12473	1
	Passenger Middle Panel	6	EVO-12458	1
	Passenger Middle Rear Panel	7	EVO-12459	1
	Passenger Rear Panel	8	EVO-12451	1
	Front Aluminum Backing Panel	9	EVO-12460	2
	Inner Fender Hardware	10	EVO-770090	1

For all NON-VENTED Inner Fender Liners, EVO-12460 will not be included.

EVO-3097

EVO-3099



EVO-3098

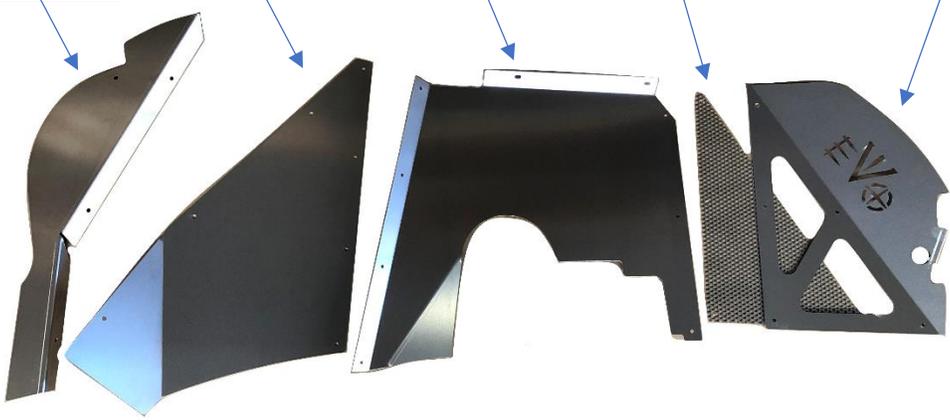
Rear Piece

Mid-Rear Piece

Middle Piece

Mesh Backing

Front Piece



**Recommended Tools:**

- Allen set
  - Wrench with standard sockets
  - Drill and 3/16", 1/4" bits
  - Plastic fastener clip removal tool
  - Impact Driver
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Safety Steps for installation

- For installing EVO MFG products always use wheel chokes to block rear tires from rolling.
  - Always make sure you have everything necessary ready before install.
  - If you have to, carefully lift front of vehicle by front frame rails extending suspension until tires leave the ground, place frame on approved jack stands for vehicle. Verify all lines/wires are not over extended.
  - Remove tires if needed for easier install.
  - Make sure to wear safety equipment (eye protection, hand protection, foot protection etc.) at all times during installation.
  - Make sure all safety precautions have been taken.
  - Always check and replace any part of vehicle that is worn or broken before starting install.
  - Do not mix anything EVO with weaker alternatives.
  - It is generally a good idea to apply liquid threadlock to all bolts.
  - Tighten included hardware to torque specifications in bottom table unless it is otherwise specified, factory bolts should be torqued to factory Jeep specifications.
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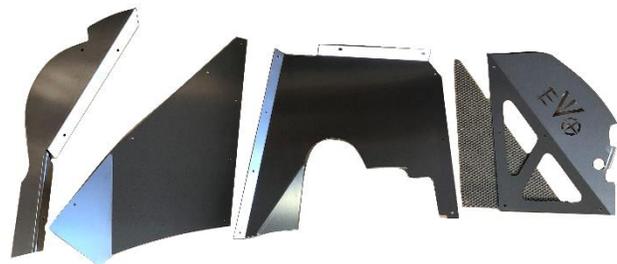
## **INSTALL**

**\*Pictures are for reference only, product may vary. \***

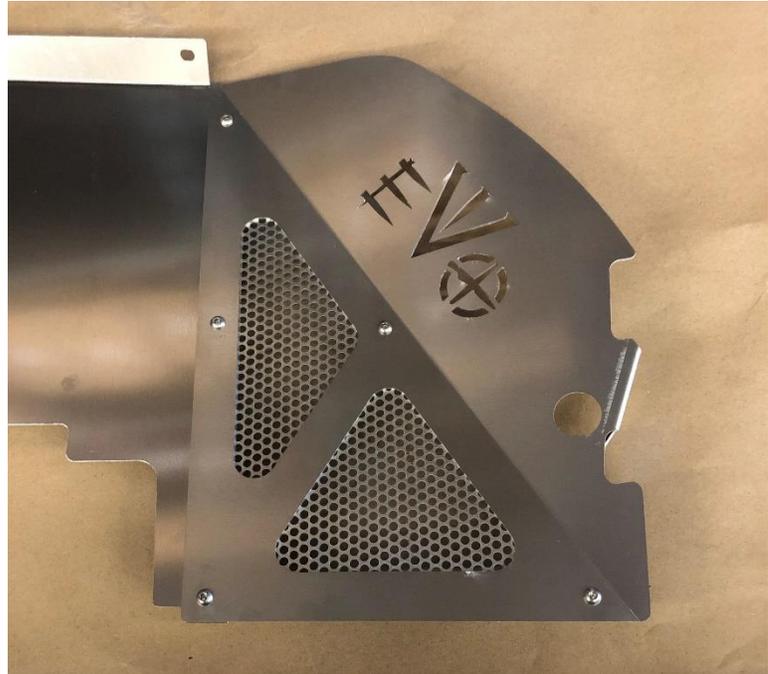
Each inner fender liner is comprised of 4 main pieces (front, middle, mid rear and rear) and a mesh vent if you have vented Inner Fender Liners.

All pieces are etched with a part number for ease of assembly.

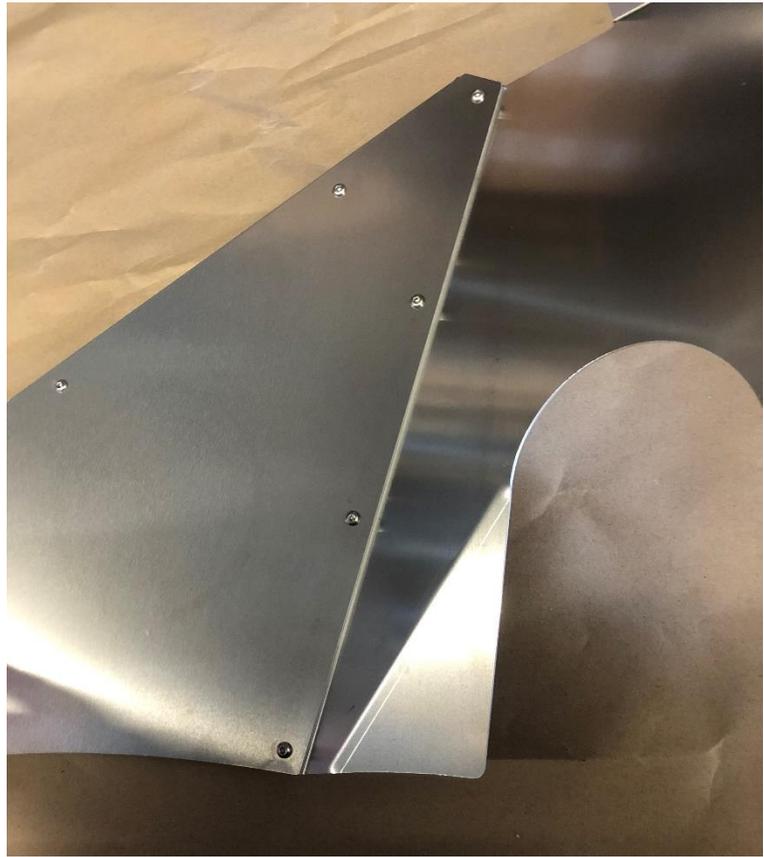
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1. Using three #10 bolts and lock nuts supplied in kit, place front piece overtop of the center piece and bolt together at bolt hole locations.
  2. If you have the vented Inner Fenders, mesh insert should be placed behind both front and middle pieces. Use two more #10 bolts and lock nuts, assemble as pictured.
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3. Using four more of the supplied #10 bolts and lock nuts (2 for coilover and double throwdown) attach the mid-rear piece overtop of the middle piece then bolt together.
- 



4. Attach the rear piece behind the mid rear piece using 2 of the #10 bolts and corresponding nuts (at locations circled in black).

The crossed out hole leave open, you will install a bolt and nut there later.

5. Repeat previous steps on opposite side inner liner.



**Park vehicle on flat ground, chalk wheels, put in park and engage parking brake. Turn off vehicle.**

6. Using a 1/4" drill, drill center of all 8 button clips from outside lip of factory fender.

Use pictures A and B for reference.



Once all 8 button clips have been drilled, remove all the clips completely.

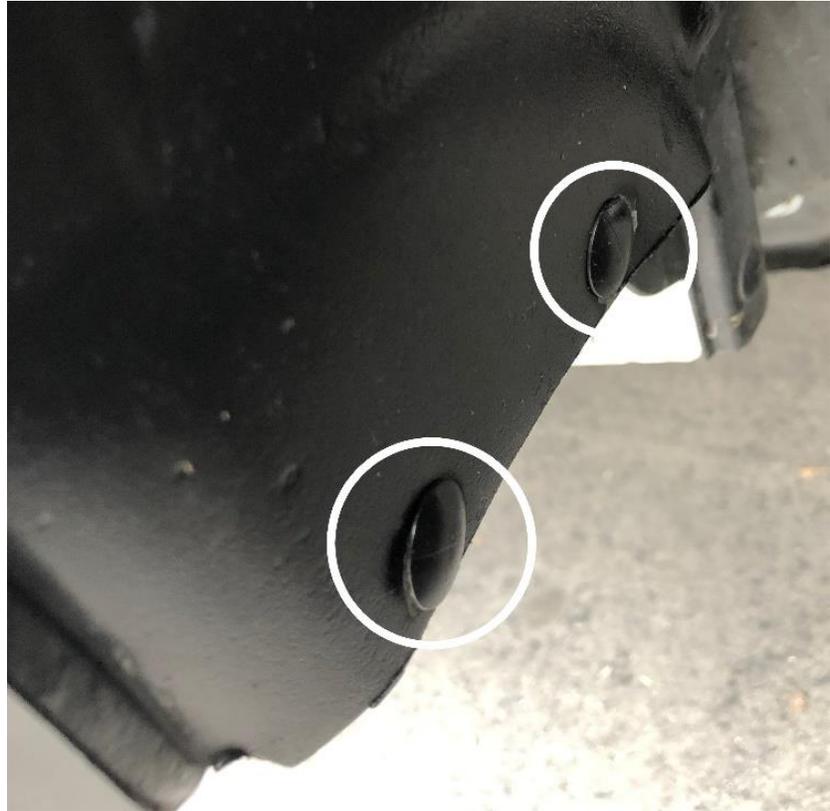
Use Picture A and B for reference.



7. Using a plastic fastener clip removal tool remove the 4 button clips located just inside of the clips removed in the previous step.



8. Remove the 2 button clips on the bottom rear of the factory inner fender liner.
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9. Remove ALL bolts using a 10mm socket located in center section of factory fender liner.

Use picture as reference.



10. Remove button clip located at front body mount.

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11. Remove inner liner from Jeep, then remove plastic lower body seam insert (pictured). You will not be needing them anymore.

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12. On the passenger side, remove the top plastic clip from pinch seam and plastic wire retainer using a clip removal tool.

Use picture as reference.



13. Remove wire fasteners from all locations referenced in picture on both driver and passenger sides.

Replace wire fasteners with zip ties if preferred.



14. On driver side slip one of the supplied clip nuts onto top hole in pinch seam positioned as pictured.

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15. On passenger side pinch seam, insert clip nut over hole in the plastic wire retainer (behind the pinch seam), where push clip used to be. (pictured)

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16. Using the forwardmost hole in inner fender, loosely install EVO MFG inner fender liner onto Jeep mounting location using a ¼-20 bolt and nut. (Pictured)

Manipulate inner fender liner until front hole lines up with mounting hole.



17. Using the rearmost hole in inner fender, loosely install EVO MFG inner fender liner onto the Jeep using a #10 bolt and nut. (Pictured)

Manipulate inner fender liner until front/rear holes line up to body panel holes.

Some grinding of ground wire stud or liner may be needed.

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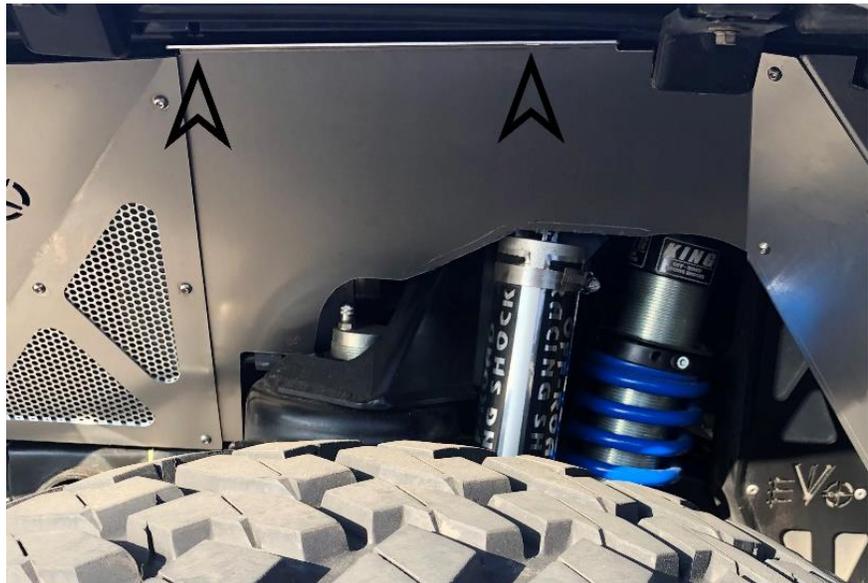


18. Insert a ¼"-20 bolt into hole in the rear panel. Once the bolt grabs onto the previously installed clip nut, tighten down to snug.
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19. Manipulate EVO MFG liner to a position where fitment meets your personal preference.
20. Using an impact, drill self-tapping screws through holes in liner and into the sub frame.

**DO NOT OVER TIGHTEN**



21. Once everything is bolted up, check for proper fitment, you may have to manipulate part until preferred placement is achieved. Be sure not to pinch, cut or damage any wires.

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Repeat all previous steps on opposite side.

After Install:

- Tighten all bolts securing purchased parts to specified locations.
- After completing installation using provided instructions, go through all steps again to make sure nothing was missed, not tightened or improperly assembled.
- Some components may need to be purchased separately.
- Check turn signals, headlights, fog lights (if applicable), taillights, blinkers and windshield wipers.
- Adjust mirrors, speedometer and headlights if needed.
- Make sure all gauges are fully operational.
- Drive the vehicle slowly for a couple minutes, looking and listening for abnormal noises while driving. After modification of a vehicle there will be differences in driving experiences and capabilities, be mindful of that.
- Inspect and Retorque all Bolts after 500 miles of completed installation and regularly thereafter.
- Some modification may be required.



Recommended Torque:

Size	Grade 2		Grade 5		Grade 8		18-8 S/S	
	Coarse	Fine	Coarse	Fine	Coarse	Fine	Coarse	Fine
<b>#4*</b>	-	-	-	-	-	-	5.2	-
<b>#6*</b>	-	-	-	-	-	-	9.6	-
<b>#8*</b>	-	-	-	-	-	-	19.8	-
<b>#10*</b>	-	-	-	-	-	-	22.8	31.7
<b>1/4</b>	4	4.7	6.3	7.3	9	10	6.3	7.8
<b>5/16</b>	8	9	13	14	18	20	11	11.8
<b>3/8</b>	15	17	23	26	33	37	20	22
<b>7/16</b>	24	27	37	41	52	58	31	33
<b>1/2</b>	37	41	57	64	80	90	43	45
<b>9/16</b>	53	59	82	91	115	129	57	63
<b>5/8</b>	73	83	112	128	159	180	93	104
<b>3/4</b>	125	138	200	223	282	315	128	124
<b>7/8</b>	129	144	322	355	454	501	194	193
<b>1†</b>	188	210	483	541	682	764	287	289