



# INSTALLATION INSTRUCTIONS: JEEP WRANGLER JL/JLU ALUMINUM FRONT FENDER KIT, rev A

 <b>Parts List</b>	
1	Pair Front Fenders
1	Installation Hardware Bag

**Difficulty Level : Medium**



**Product Support**

 1-888-531-7183

 [Info@combat-offroad.com](mailto:Info@combat-offroad.com)

## PRODUCT IMAGE

 <b>Tool List</b>	
Ratchet	Socket, Set
13 & 14 mm Wrenches	Trim Removal Tool
Drill & 5/16 bit & 25/64 bit	4 & 5 mm Allen wrenches
Thread Set Tool	Marker



## NOTES AND MAINTENANCE

Before you begin installation, read all instructions thoroughly.

Proper tools will improve the quality of installation and reduce the time required.

For black finishes, mild soap may be used to clean the product.

Periodic inspections should be performed to ensure all mounting hardware remains tight.

Mild automotive detergent may be used to clean the product. Do not use dish detergent, abrasive cleaners, abrasive pads, wire brushes or other similar products that may damage the finish.

## FEEDBACK

COMBAT OFF ROAD industry leading warranty. Register your purchase by visiting: [www.combat-offroad.com/registration](http://www.combat-offroad.com/registration)

Be social, tag us on your install or out on the trail enjoying, use: #combatoffroad

## STEP 1

Starting with the front fenders, remove the inner fender well using a socket set.



## STEP 2

Remove all push-in retainers. Take care not to damage the plastic inner fender flare, if still being used. Once the retainers are removed, remove the inner fender and set aside.



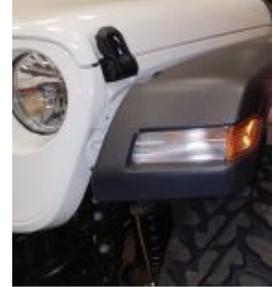
## STEP 3

Disconnect the side marker light.



## STEP 4

Remove the plastic trim retainer clips and the factory fender flare.



## STEP 5

Using the factory metal brace to help balance the fender, place it up against the Jeep body and align the mounting holes to determine where to drill the lower reinforcement mounting hole.



## STEP 6

Identify the lower hole from the new fender and drill a hole through the inner fender using a 5/16 drill bit.

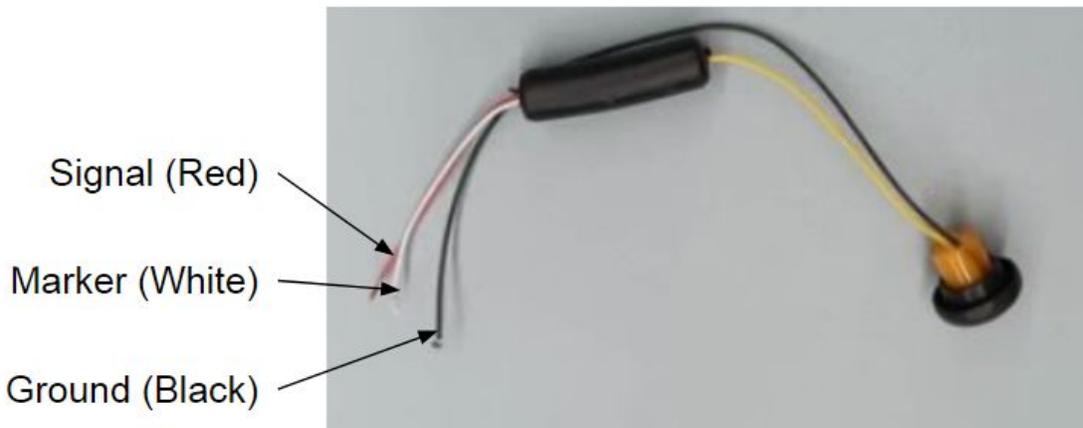


## STEP 7

In order to connect the fender marker-signal light, modifications to the vehicle wiring are required. Wiring details are listed to assist with the modifications. Use of water proof connectors is recommended to allow future maintenance activities.

NOTE: Always disconnect the battery when working on the electrical system

NOTE: A DRL alternative is required to be supplied by the customer. This is not included as part of the fender kit.



### Left Side Vehicle Wiring (Base)

#### Pin Information

Cav	Circuit	Gauge	Color	Function
1	L145	0.75	WH/OG	LEFT SIDE MARKER CONTROL
2	L61	0.75	WH/GN	LEFT FRONT TURN LAMP DRIVER
3	Z905	0.75	BK	GROUND
4	L77	0.75	WH/BN	LEFT FRONT PARK LAMP DRIVER
5	L58	0.75	WH/YE	LEFT DRL LAMP DRIVER
6	Z905	0.75	BK	GROUND

### Left Side Vehicle Wiring (Premium)

#### Pin Information

Cav	Circuit	Gauge	Color	Function
1	L551	0.35	BG/BN	LEFT FRONT LIGHTING FAULT SENSE
2	L61	0.75	WH/GN	LEFT FRONT TURN LAMP DRIVER
3	Z905	0.75	BK	GROUND
4	L77	0.75	WH/BN	LEFT FRONT PARK LAMP DRIVER
5	L58	0.75	WH/YE	LEFT DRL LAMP DRIVER
6	Z905	0.75	BK	GROUND

### Right Side Vehicle Wiring (Base)

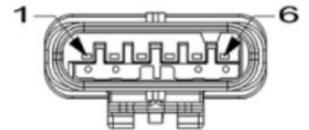
#### Pin Information

Cav	Circuit	Gauge	Color	Function
1	L144	0.75	BG/OG	RIGHT SIDE MARKER CONTROL
2	L60	0.75	WH/BG	RIGHT FRONT TURN LAMP DRIVER
3	Z904	0.75	BK	GROUND
4	L78	0.75	WH/OG	RIGHT FRONT PARK LAMP DRIVER
5	L59	0.75	WH/DB	RIGHT DRL LAMP DRIVER
6	Z904	0.75	BK	GROUND

### Right Side Vehicle Wiring (Premium)

#### Pin Information

Cav	Circuit	Gauge	Color	Function
1	L552	0.35	BG/OG	RIGHT FRONT LIGHTING FAULT SENSE
2	L60	0.75	WH/BG	RIGHT FRONT TURN LAMP DRIVER
3	Z904	0.75	BK	GROUND
4	L78	0.75	WH/OG	RIGHT FRONT PARK LAMP DRIVER
5	L59	0.75	WH/DB	RIGHT DRL LAMP DRIVER
6	Z904	0.75	BK	GROUND



Factory Connector  
Pin Assignment



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## STEP 8

Insert the the rivnuts into the remaining holes that align with the fender and cannot be secured with nuts (as desired).

**CAUTION:** Over tightening the rivnut may damage the thread set tool and / or vehicle body panel.



## STEP 9

Insert the marker light into the fender prior to mounting on the vehicle. Route the wire behind the inner fender to ensure it is protected from damage.

Place the fender on the upper supports place and secure using the supplied M6 bolts and washers. Tighten with a 4 mm allen wrench around the perimeter.

Mount the lower reinforcement using the metal sleeve between the inner and outer fender. Secure using the long bolt, washer and flange nut. Using a 13 mm wrench and 14 mm wrench, tighten the hardware.

Mount the fender to the upper supports on the Jeep body using the supplied allen bolts, washers and flange nuts. Tighten using a 5 mm allen and 13 mm wrench.





## STEP 10

Reinstall the inner fender well using the stock hardware where applicable. To ensure a tight fit, additional fastening may be required depending on customer preference.

NOTE: Trimming will be required.

This step can be skipped if Combat Off Road inner fender liners are being installed.



## STEP 11

Tighten down all hardware.

Repeat this process on the opposite side of the vehicle.

