

Installation Instructions

POISON SPYDER



JEEP JT/JL Front Fenders
Part # **PSC-19-03-030P1**



POISON SPYDER



Introduction

Thank you for choosing Poison Spyder accessories for your **Jeep JT / JL**. If you would like to view our full range of available accessories, please visit us at www.poisonspyder.com



JEEP®, JT® & JL® are registered trademarks of Stellantis.

Important Notes Before Starting

! IMPORTANT NOTE

Carefully read through this entire instruction manual thoroughly before attempting to install this part.

! WARNING

Serious injury can occur when working on vehicles alone.

When possible, work with another person to reduce risk of injury from strain or other dangers that can occur when working alone.

The following tools will be required to complete the installation of this part:

TOOLS REQUIRED

Drill	Grinder W/ Cutout Wheel and Flap Disc	Needle Nose Pliers
Pry Tool	Cutting Wheel	1/2" Wrench/Socket
10mm Wrench/Socket	3/16" Hex Bit	3/8" Drill Bit
Touch-Up Paint	Blue Painters Tape	3/8" Drive Ratchet



Box Contents & Technical Information

! IMPORTANT NOTE

Some applications require modification:

Drilling or trimming of OE sheet metal may be necessary

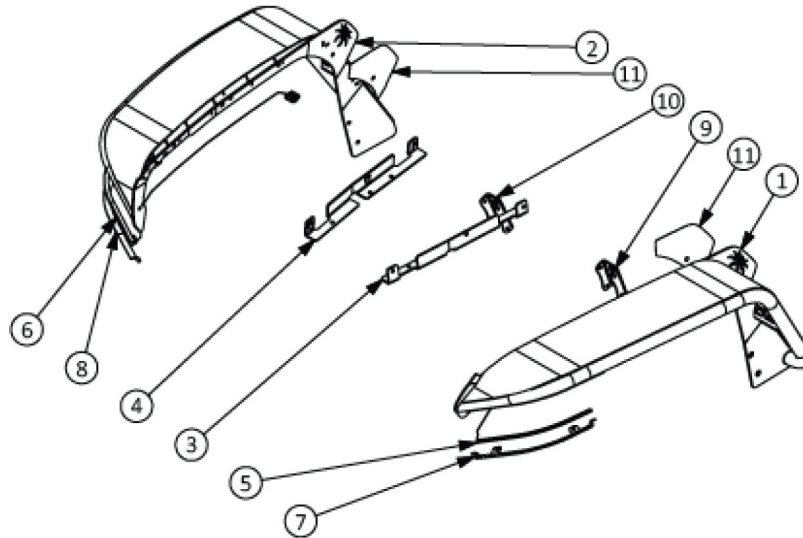


Fig A.

FRONT FENDER ASSEMBLY

BUBBLE	PART NO.	DESCRIPTION	QTY
1	89-19-03-030-DRV	JL/JT FRONT FENDER- DRV	1
2	89-19-03-030-PASS	JL/JT FRONT FENDER- PASS	1
3	89-19-03-030-1	JL/JT FRT FDR INR SUPT-DRV	1
4	89-19-03-030-1M	JL/JT/FRT FDR INR SUPT-PASS	1
5	19-03-030-2	LED TURN SIGNAL ASSEMBLY- DRV	1
6	19-03-030-2M	LED TURN SIGNAL ASSEMBLY- PASS	1
7	89-19-03-030-08	JL/JT FRT FDR LIGHT RETAINER - DRV	1
8	89-19-03-030-08M	JL/JT FRT FDR LIGHT RETAINER - PASS	1
9	89-19-03-030-10	JL/JT FRT FDR MOUNTING BRKT- DRV	1
10	89-19-03-030-10M	JL/JT FRT FDR MOUNTING BRKT- PASS	1
11	81-19-03-030-3	FRONT FENDER LOGO COVER	2



Box Contents & Technical Information

FRONT FENDER ASSEMBLY (Cont.)

BUBBLE	PART NO.	DESCRIPTION	QTY
12	92210A584	18-8 SS 5/16"-18 X 7/8" FHSCS 82 DEGREE COUNTERSINK	8
13	92210A176	18-8 SS 5/16"-18 X 3-1/4" FHSCS 82 DEGREE COUNTERSINK	2
14	92210A599	18-8 SS 5/16"-18 X 4" FHSCS 82 DEGREE COUNTERSINK	2
15	91201A029	STEEL WSHR 0.281" ID X 0.625" OD X 0.125" THICK	4
16	92949A539	18-8 SS 1/4"-20 X 5/8" BHCS	4
17	91950A029	316 SS SAE Washer 0.281" ID X 0.625" OD X 0.065" THICK	4
18	97135A220	STEEL NYLOCK GRADE 8 YZNC 5/16"-18	8
19	90850A150	GRADE 9 STEEL WSHR YZNC 5/16"	8
20	90822A610	410 SS 1/4"-20 X 3/4" SELF DRILLER	6
21	90850A100	GRADE 9 STEEL WSHR YZNC 1/4"	6
22	90-44214	CABLE TIE, STANDARD, 6" LONG	12
23	S-18662	4" X 1/2" 3M F9460PC VHB ADHESIVE 2MIL THICK	4
24	90166A122	18-8 SS 5/16"-18 X 1" FHCS	2



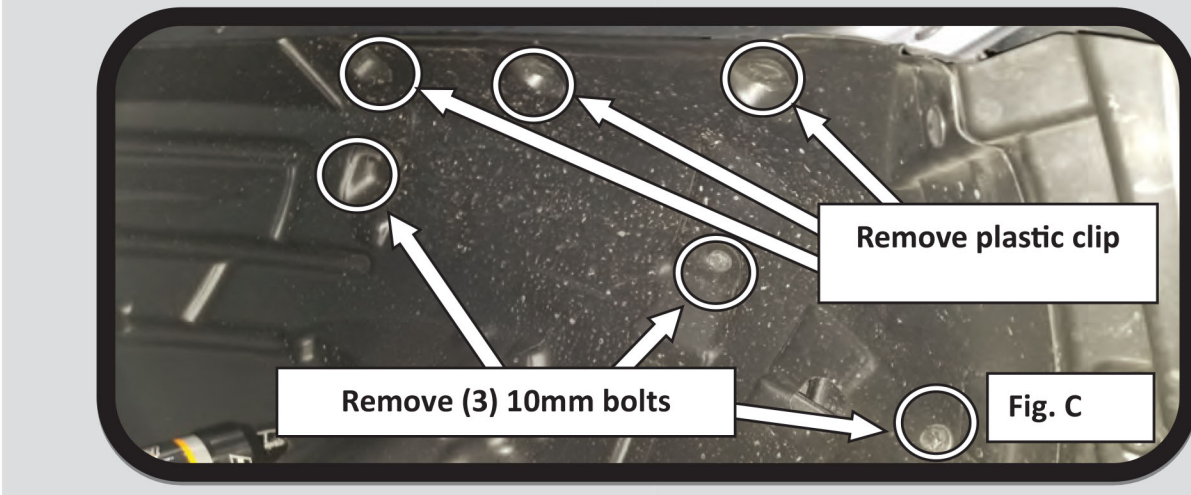
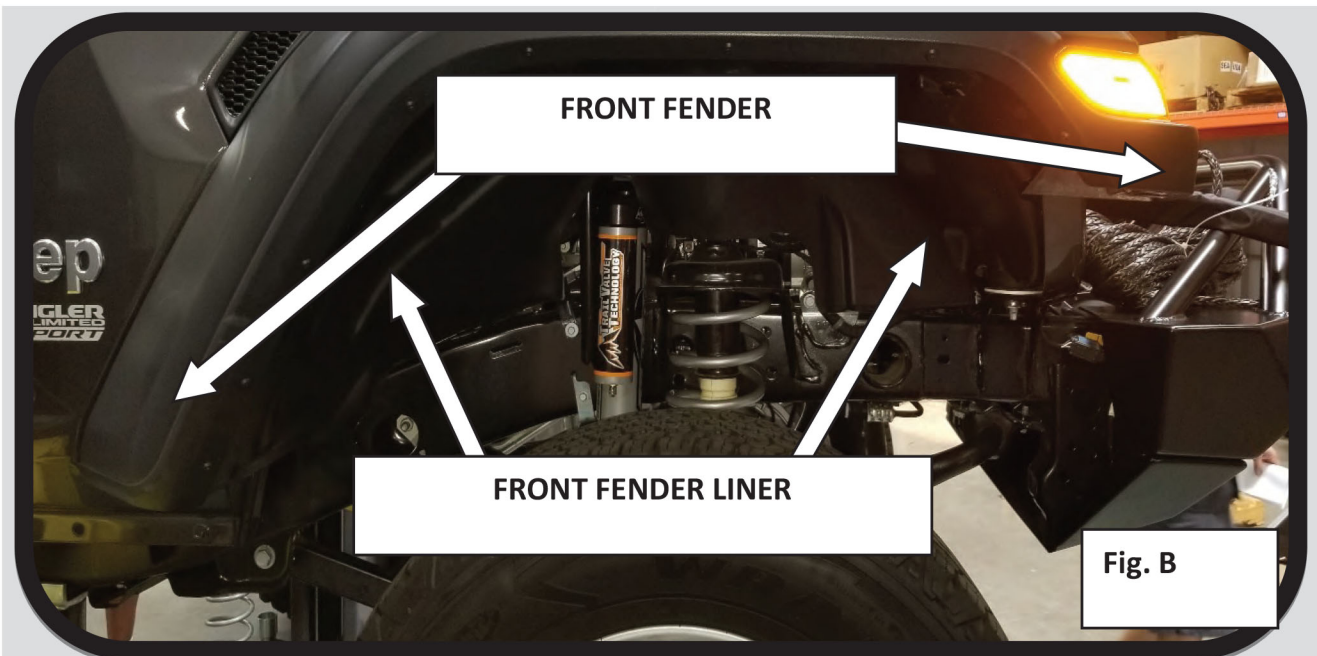
Installation Instructions: Stock Fender Removal

MECHANICAL INSTALLATION

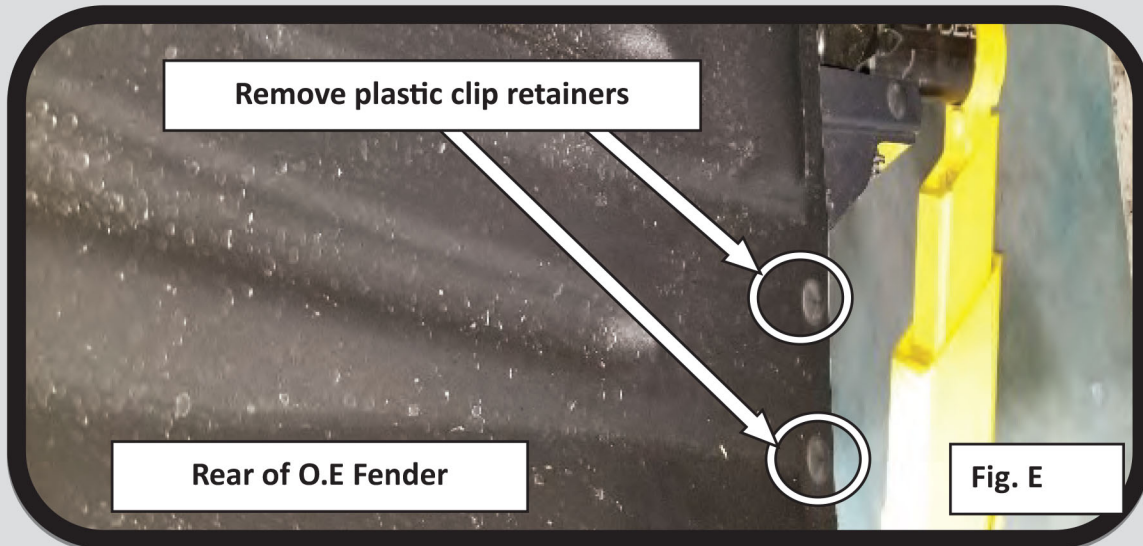
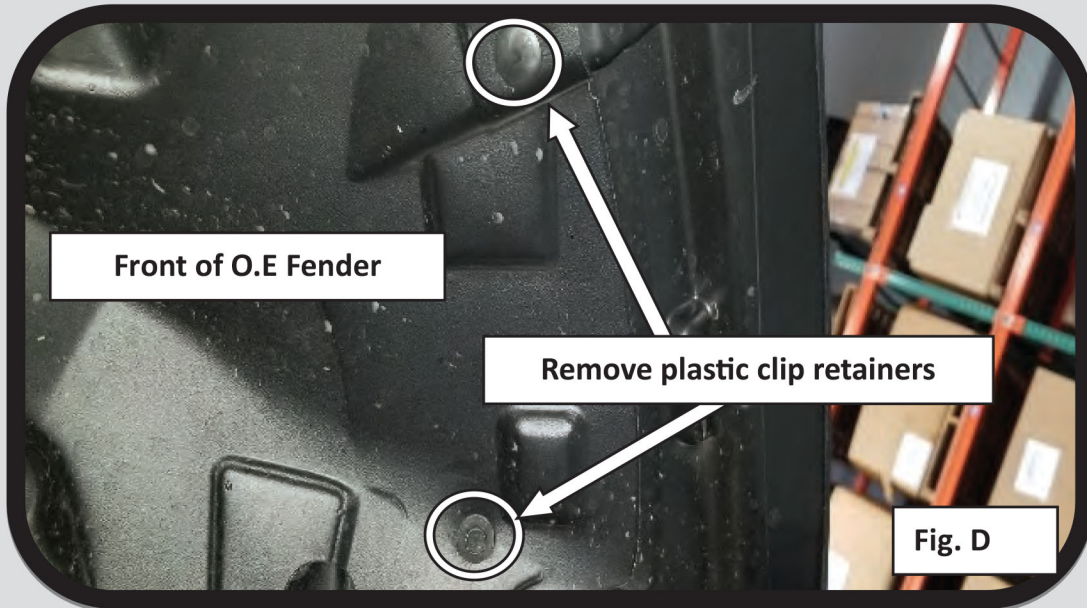
Step 1: Place the vehicle on a flat, level surface and engage the vehicle parking brake. Place blocks both in front of and behind the rear wheels. Break your front wheel lugs loose, place your floor jack under the front axle and raise the vehicle. Place jack stands under the front axle and lower the vehicle onto the jack stands. Remove the jack and remove the front wheels.

Step 2: Starting on one side of the vehicle, remove your O.E fender liner, remove (7) plastic retaining clips using body clip pliers or a flat-head screw-driver and remove (3) 10mm bolts (Fig. B-E).

NOTE: *The fender liner will come off with the fender as one assembly.*

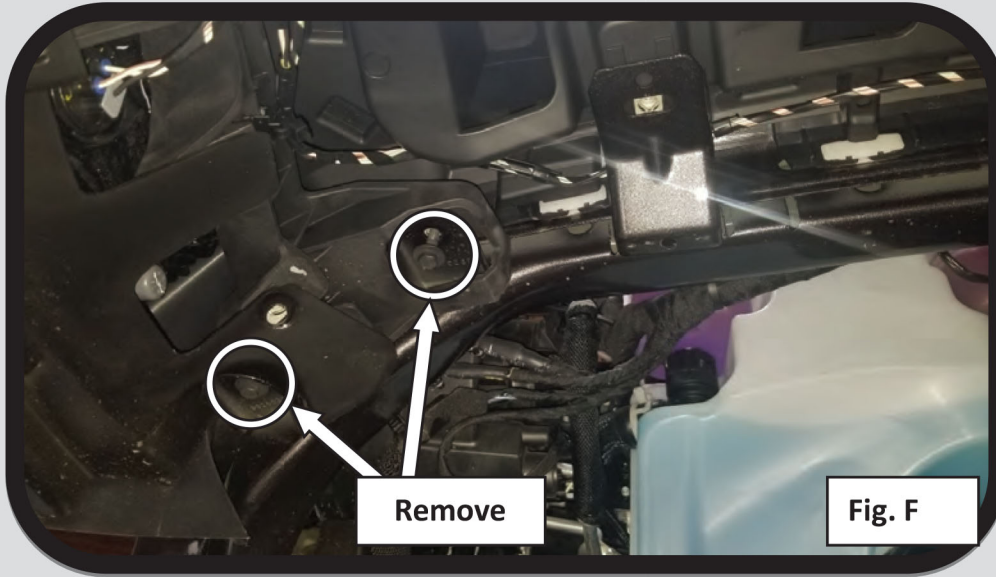


Installation Instructions: Stock Fender Removal



Installation Instructions: Stock Fender Removal

Step 3: Disconnect the front turn signal connector from the O.E fender. With the fender liner out of the way Remove the (2) 10mm O.E bolts located behind the turn signal bezel securing the O.E front fender in place (**Fig. F**).



NOTE:

You will hear cracking/ popping noises, this is normal, it's from the clips snapping (they will not be reused).

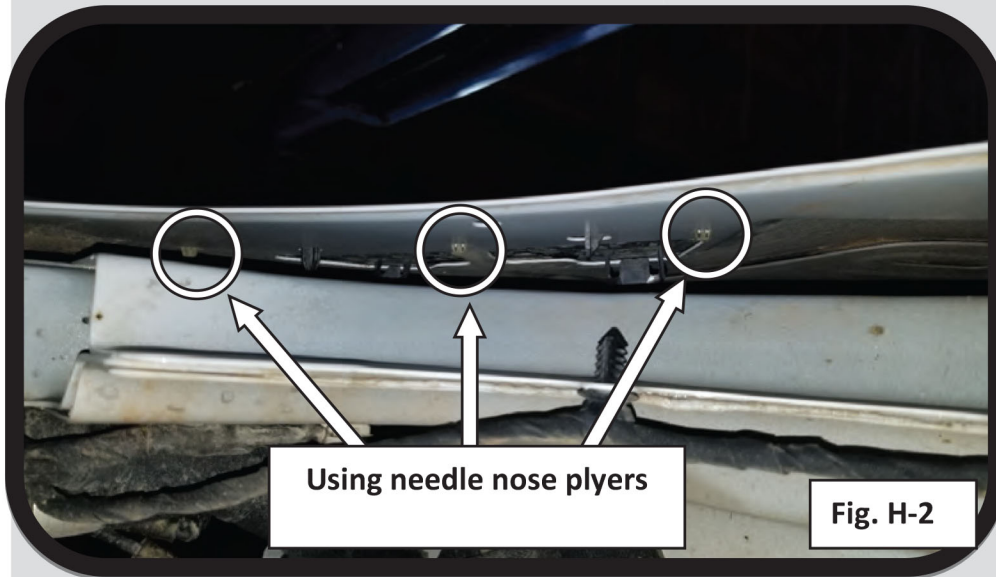
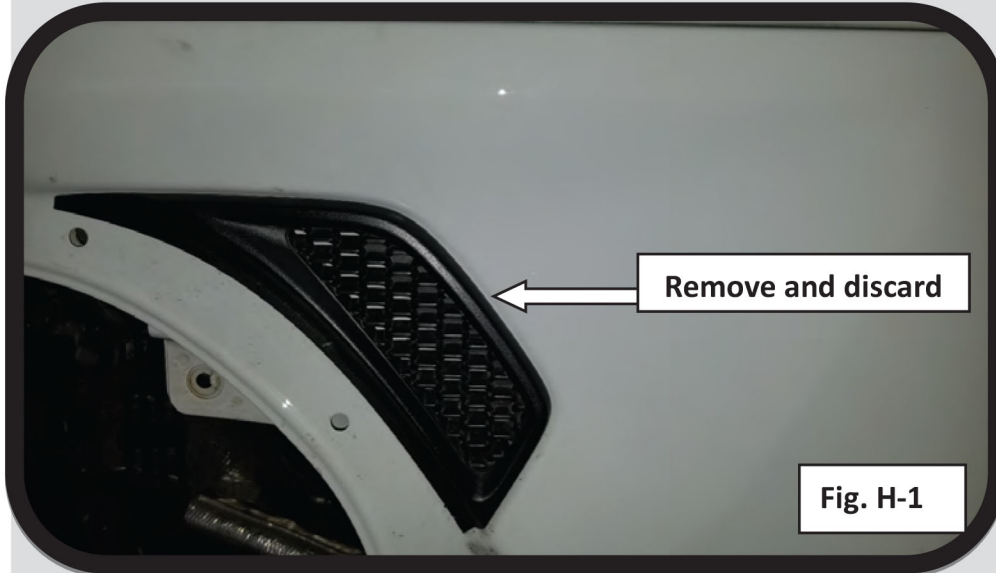
Step 3: With the O.E hardware removed, remove your O.E fender and fender liner. Starting from the front working toward the rear, pull firmly outward to remove the fender from the body of the vehicle (**Fig. G**).



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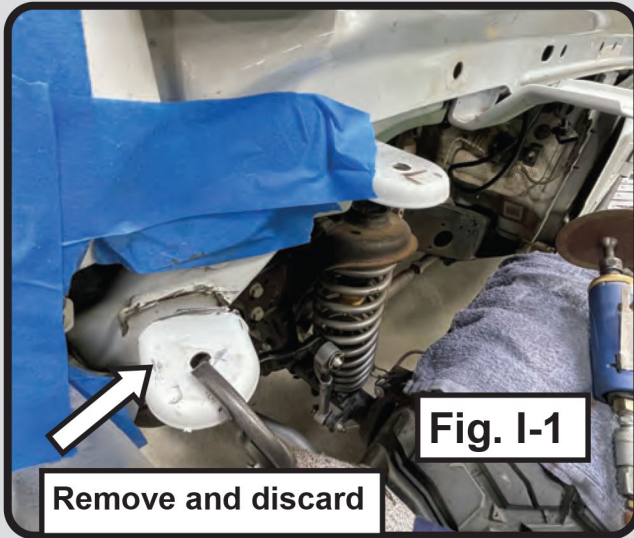
Installation Instructions: Stock Fender Removal

Step 5: Remove the O.E front fender air outlet plate, using needle nose pliers, pinch the three plastic clips behind the body panel (Fig. H-1 & H-2).



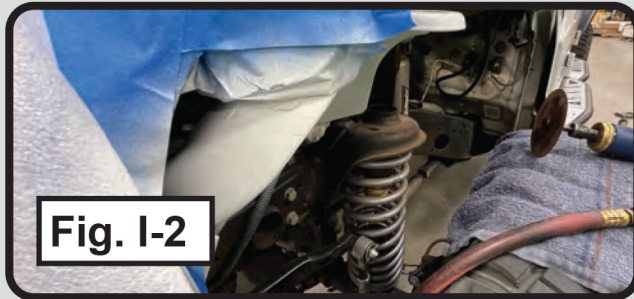
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Installation Instructions: Fender & Support Tab Removal



Step 6:

Once stock fender is removed, remove the (stock front fender support tab) by using a hand tool with cutting wheel. Sand and paint to protect bare metal. (Fig. I-1 & I-2)



Note: Use blue masking tape to protect the OEM fender surface surrounding the fender flare mounting surface and to cover any areas you may not want exposed to sparks. (wear safety goggles at all times)



Installation Instructions: Inner Support Bracket

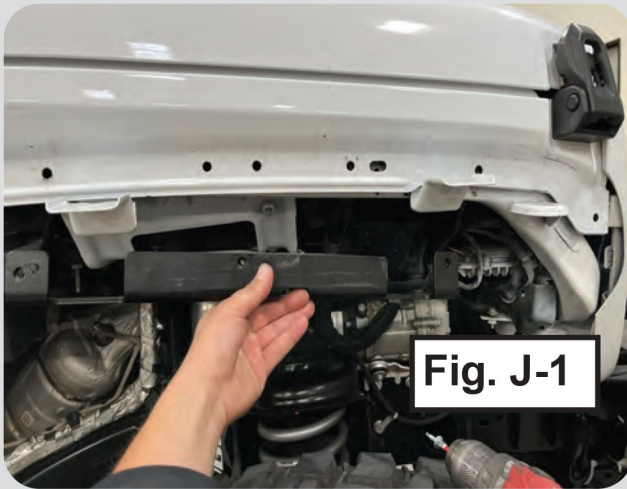
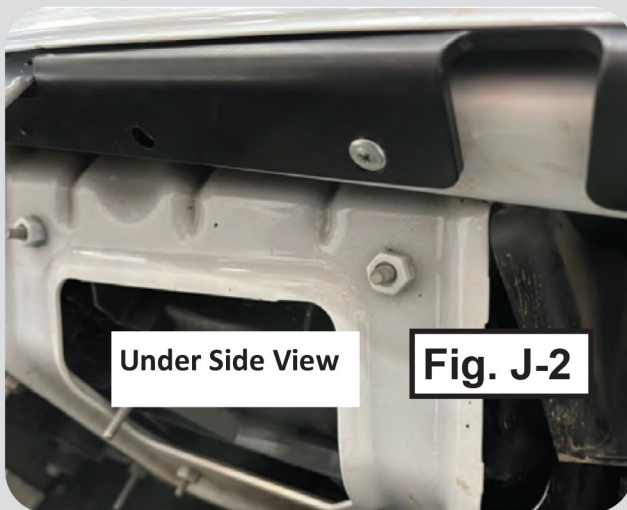


Fig. J-1

Step 7:

With fenders removed mount the inner support bracket with self tapping screw. Slide the inner support bracket into position, center the holes and hold in place with a single 1/4"-20 self tapping screw (Provided in hardware pack.)
(Fig. J-1 & J-2)



Under Side View

Fig. J-2



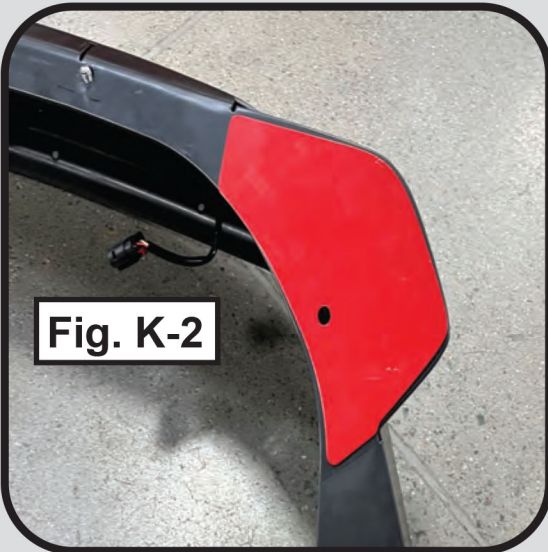
Installation Instructions: Backing Plate



Step 8:

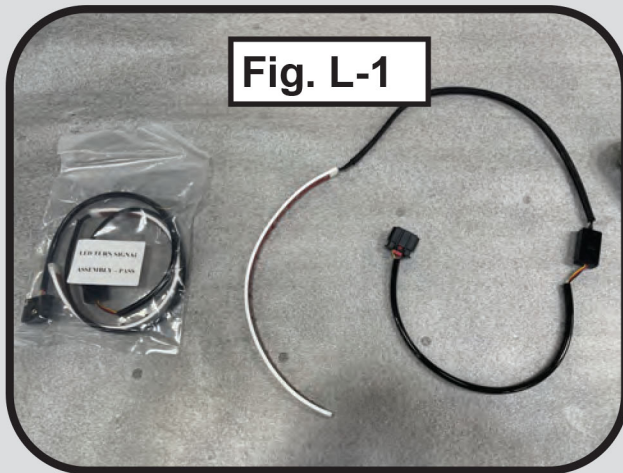
Clean the rear of the backing plate where the Poison Spyder logo is located

Using (x2) pieces of double sided VHB adhesive supplied in hardware pack lay them onto the fenders (**Fig. K-1**) then attach (red) front fender logo cover plate to your Poison Spyder Fenders. (**Fig. K-2**)



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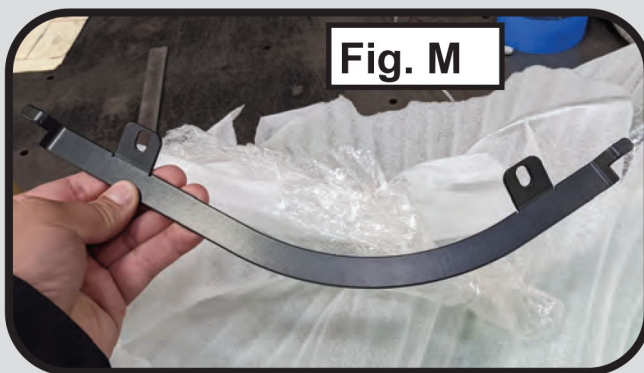
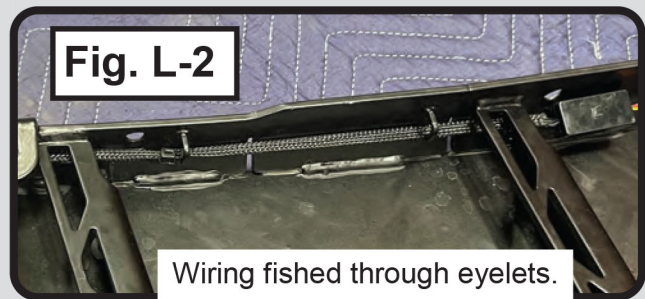
Installation Instructions: LED Light Strip



Step 9:

Slide the LED Light Strip through the reliefs in the fender brackets starting at the rear of the fender and going through to the front (**Fig. L-2**)

Then install LED light onto the bracket by removing the adhesive backing and carefully conforming it to the brackets shape.



NOTE:

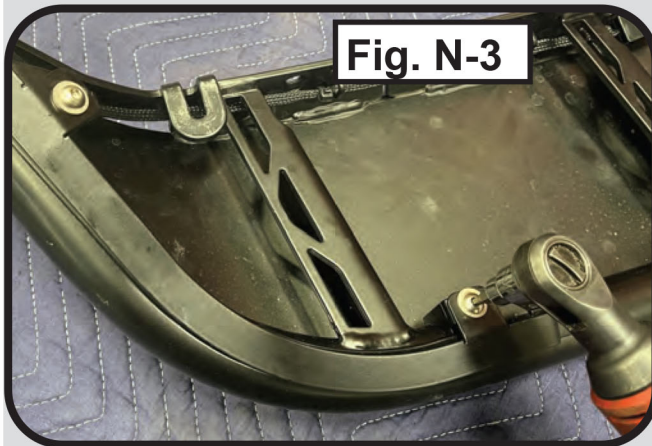
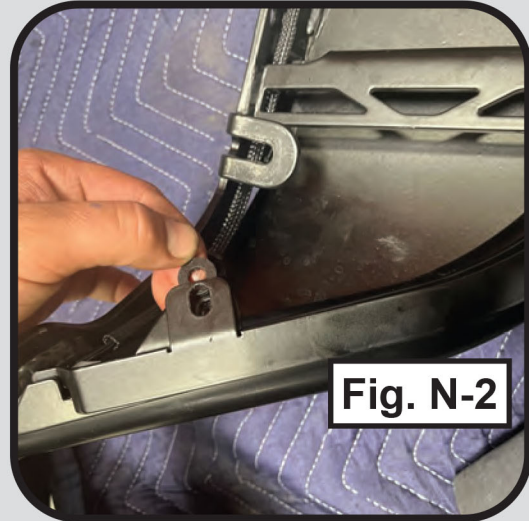
Make sure to orientate the bracket and light in the correct position before sticking the adhesive to bracket. The LED strip sits between the bracket and fender. The adhesive side of the Light attaches to the loose bracket with the wiring pointed toward the inner front part of the fender. Ensure the lighted surface is facing outward from the fender.



Installation Instructions: LED Light Strip

Step 10:

Install LED light strip by tilting one tab into fender and rotating the other tab to the side with downward pressure to lock it into the fender (Fig. N-1 & N-2).



Step 11: Insert a 1/8" thick washer between tab and bracket and fasten it with a 1/4"-20 X 5/8" bolt and .0625" thick washer provided in the hardware pack. Tighten to 84 in-lbs.

NOTE:

If there is a gap between the light and the bottom of the fender tube then remove the bracket and bend the bracket upward in the middle to create pressure against the fender.

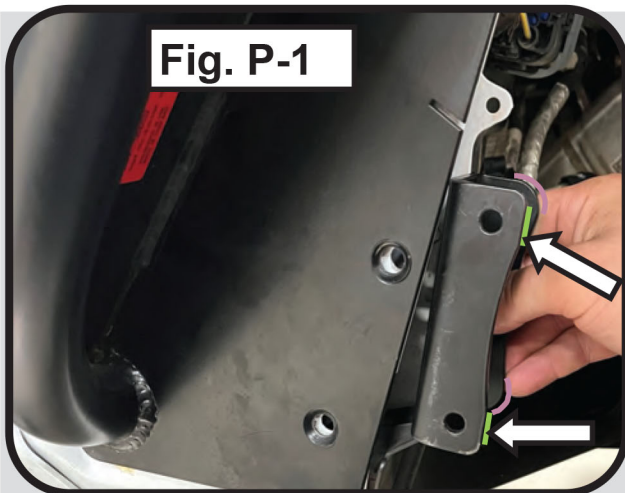
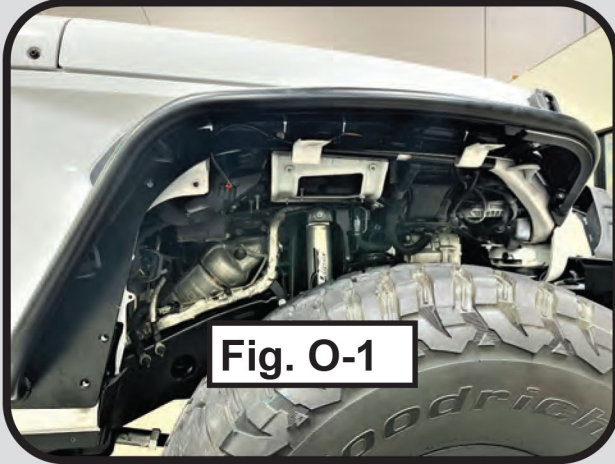


Installation Instructions: Mechanical Installation

Step 12:

Now you may mount the fenders to the Jeep. Fasten one of the 5/16"-18 X 7/8" flat head screws supplied in hardware pack to secure the fenders to the body, then you may work your way lining up and fastening the rest.

(Fig. O-1 & O-2).

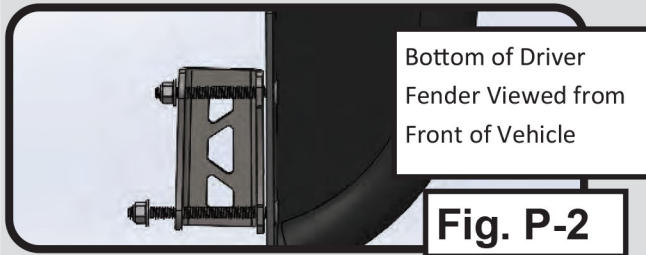


Step 13:

Insert the inner bracket to the base of the fender and body with the flat edges toward the outside of the body and rounded edge to the inside of fender. (Fig. P-1)

Use this bracket and the fender to mark and drill the additional holes not stamped in the OE fender and drill through to the inner fender well.

Secured with the supplied flat head screws 3-1/4" long and 4" long as well as washer and nylock nuts (Fig. P-2)



Note: Fasten the hardware supplied with the longer bolt on the bottom of the bracket and shorter bolt on top.



Installation Instructions: Mechanical Installation



Step 14:

Fasten the 5/16"-18 X 1" bolt & a 5/16" washer along with the 5/16"-18 nylock nut to the OE fender support bracket. **(Fig. Q)**. Tighten all 5/16" Bolts to 15ft-lbs.



Step 15:

Reconnect the light harness by inserting the male connector to the female connector until it clicks then secure the red locking tab by sliding it inwards. **(Fig. R)**



Note: After installing check all hardware is tight and lights are working properly. **(Fig. S)** they should be solid white light when the vehicle running lights are on and flash yellow with hazards or turn signal indicators.

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Congratulations-Your Fender Installation is Complete



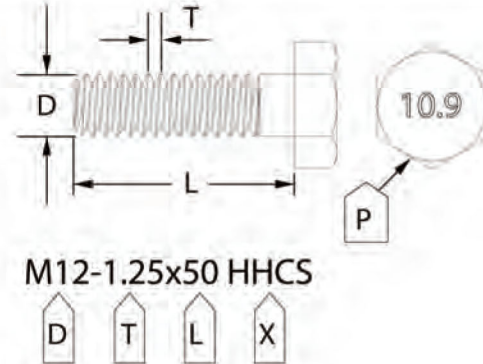
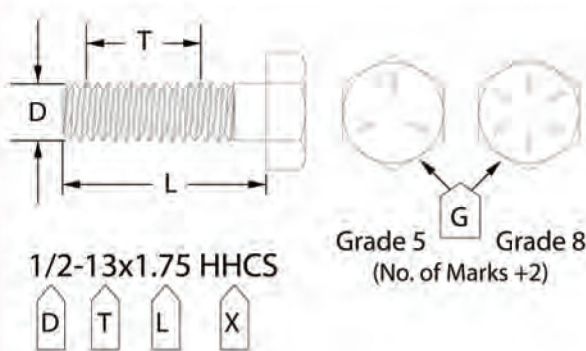
Congratulations, you have completed the installation of your Poison Spyder JL/JT
Crusher Flares!



Bolt Torque Specifications

Use this only as a guide for hardware without a called out torque specification in the instruction manual.

Bolt Torque and ID						
Decimal System			Metric System			
<i>All Torques in Ft. Lbs. Maximums</i>						
Bolt Size	Grade 5	Grade 8	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



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

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



Poison Spyder Consumer Terms & Conditions

Product Care & Maintenance

Raw Aluminum Finish – Clean using a mild soap-and-water solution, then dry thoroughly with a soft cloth to prevent water spots. To reduce oxidation, apply a high-quality aluminum protectant or clear sealant periodically. Avoid harsh chemicals, acidic cleaners, or abrasive pads that may scratch or discolor the surface. Raw aluminum may naturally develop a patina over time; regular cleaning and protectant application will help preserve its look.

Stainless Steel Finish – Use a non-abrasive aluminum polish to address minor scratches or scuffs. For routine cleaning, use mild soap with water or a non-abrasive glass cleaner. To protect the finish, apply a high-quality carnauba automotive wax regularly. Do not use abrasive cleaners, polishes, or non-carnauba waxes as they may cause damage.

Smooth Powdercoated Finishes – Clean using mild soap and water with a soft cloth or sponge. For added protection, apply a non-abrasive automotive wax formulated for painted finishes. Avoid abrasive cleaners, solvents, or high-pressure washing directly at edges and seams, as this can compromise the coating and lead to chipping or peeling.

Textured Coated Finishes – Clean with mild soap and a damp sponge. Do not use polishes or waxes requiring buffing, as these can damage the textured surface.

Chrome Finish – Clean with mild soap and water, or a non-abrasive glass cleaner. Protect the finish by applying pure carnauba automotive wax regularly. Avoid abrasive products.

Limited Warranty

Poison Spyder offers a **Limited Lifetime Warranty** on the materials and construction of its fabricated products. This warranty guarantees to the original retail purchaser that the product will remain free from structural defects in material and workmanship for as long as they own it, subject to the terms and exclusions below.

Powdercoat “Spydercoat” Finish Coverage

5-Year Warranty – Standard-use products with powdercoated finishes are covered against defects for **five (5) years**.

1-Year Warranty – Products specifically designed for heavy contact with terrain—such as frame-mounted rocker protection and skid plates—carry a **one (1) year** finish warranty.

Finish warranties do not cover scratches, chips, or damage caused during installation, impacts, or normal wear and tear.

Exclusions

This warranty does not cover: Misuse, improper installation, or inadequate maintenance On-road or off-road hazards, accidents, or impacts Unauthorized modifications Normal wear and tear Racing or competition damage Chemical exposure (including road salts, de-icing agents, cleaning chemicals, or corrosive substances) Extreme environmental conditions (including prolonged exposure to moisture, UV radiation, or highly corrosive climates such as coastal or winter road environments)

Terms

The warranty is **non-transferable** and applies only to the original purchaser with valid proof of purchase. Remedy under this warranty is limited, at Poison Spyder’s discretion, to repair or replacement of the defective product, provided it is returned at the customer’s expense. Coverage eligibility is determined solely by Poison Spyder. Product designs, specifications, and finishes are subject to change without notice.

Legal Rights

Some states/jurisdictions do not allow limitations on implied warranties or the exclusion of incidental/consequential damages. This warranty provides specific legal rights, and you may also have additional rights that vary by state or jurisdiction.

Safety Warning

Vehicle modifications, including the use of Poison Spyder products, can affect handling, stability, and performance, potentially increasing the risk of accidents or rollovers.

- Poison Spyder products are decorative and not intended to prevent injury or damage in an accident.
- Review applicable state and local laws before installation. Ensure products do not obstruct lights or interfere with vehicle safety systems, and comply with bumper mounting height rules & regulations.
- Always follow your vehicle owner’s manual and Poison Spyder installation instructions.
- Safe driving remains the sole responsibility of the driver. Always wear seat belts, obey traffic laws, avoid impaired driving, and adjust speed to road conditions.

Proposition 65 Warning (California Only):

This product can expose you to chemicals known to the State of California to cause cancer and reproductive harm.

