

**Installation Instructions**  
**Trail Force HD Front Bumper with LED Lights**  
**07-18 Jeep Wrangler JK**  
**PART# J164364**



Please read and understand all instructions before starting the installation. The manufacturer is in no way responsible for any personal injury or vehicle damage that may occur during the installation or use of this product. **CAUTION:** This product is designed primarily to enhance the appearance of this vehicle. Do not rely on it in any way to protect against injury or death in the event of an accident.

**TOOLS REQUIRED:**

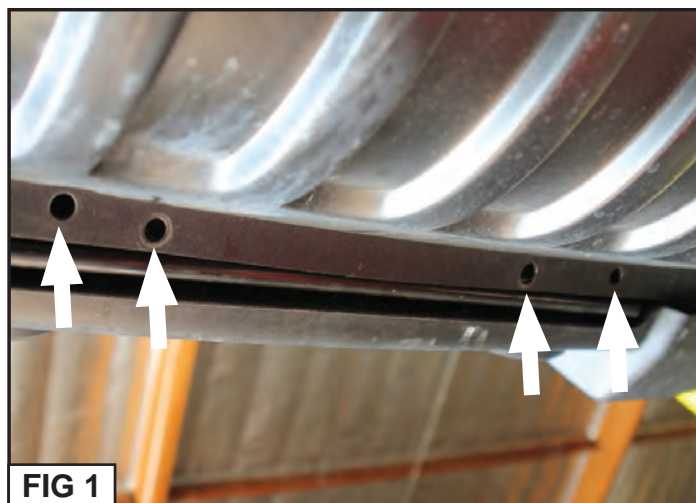
19mm Wrench & Socket  
Flat Screwdriver or Panel clip pliers  
Phillips Screwdriver

**INCLUDED COMPONENTS**

(1) Bumper  
(8) 12mm spring washers  
(8) 12mm Flat washers  
(4) M12 Hex head screws  
(2) LED harness wires  
(4) M12 Nuts  
(34) M6 Allen bolts  
(34) 6mm Lock nuts

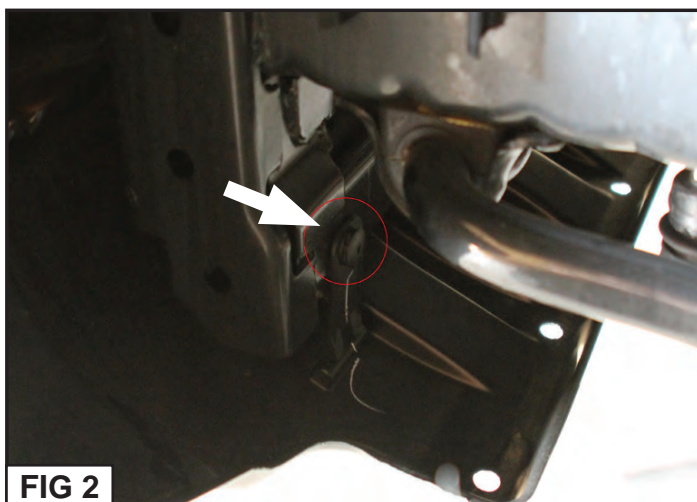
**STEP 1**

Remove the plastic cover below the bottom of the Jeep. Using panel clip pliers or a flat screwdriver, remove the 4 plastic fasteners along the bottom front of the plastic cover shown in Fig 1.



**STEP 2**

With panel clip pliers or a flat screwdriver again, Remove 2 plastic fasteners from behind the Plastic Shield Cover shown in Fig 2.





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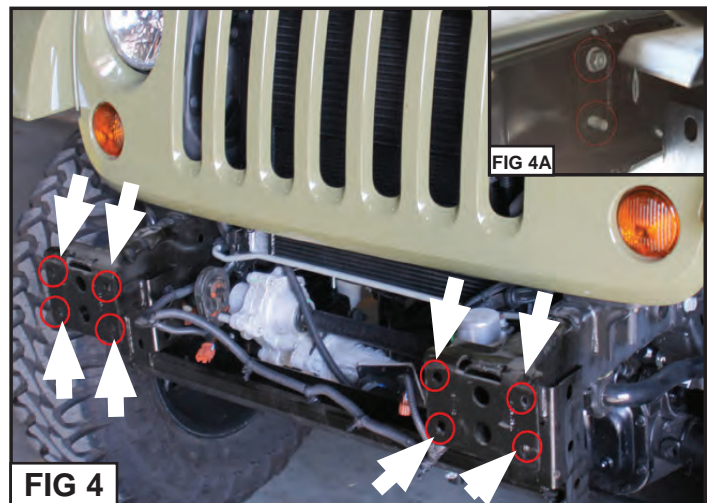
**STEP 3**

With a Phillips Screwdriver, Remove the 2 plastic screw clips along the top of the plastic cover shown in Fig 3.



**STEP 4**

There will be 8 19mm nuts that connects the bumper to the frame, using the 19mm socket & ratchet, remove these 8 nuts (2 on each side of the frame.) shown in Fig 4 & 4A



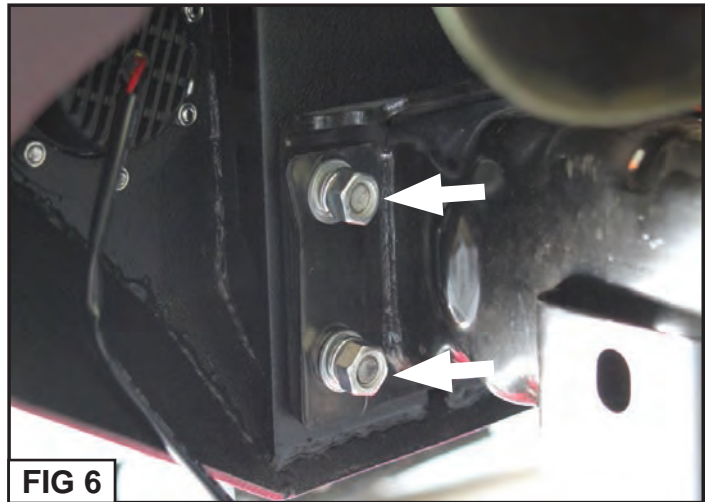
**STEP 5**

Once you remove the factory OE bumper, unclip the fog light connectors that connects the fog lights to the bumper and unclip the wire harnesses using a flat screwdriver along the bottom edge of the bumper to completely remove the factory bumper shown in Fig 5.



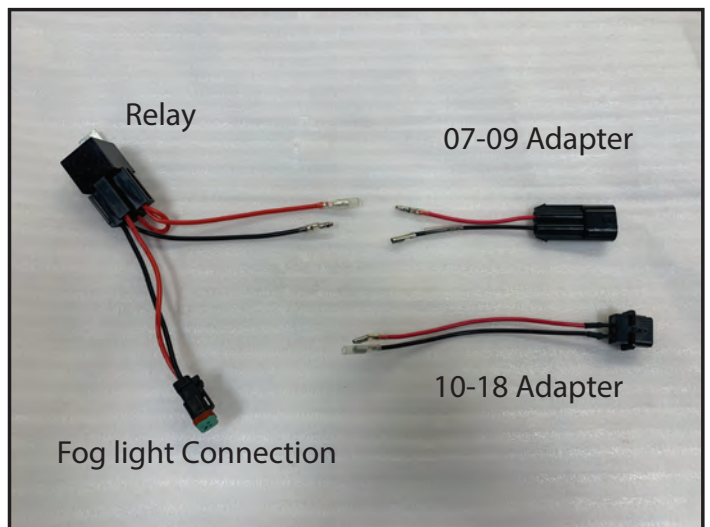
## **STEP 6**

Once you remove the factory OE bumper, install the new bumper through the OE frame, you will notice that on the bumper there are 3 threaded studs and 1 threaded insert on each side, once you install the bumper, install the factory spacer plates, 12mm split washers, 12mm flat washers and M12 Nuts on the threaded studs and place the M12 Bolts through the Threaded insert that is on the bumper shown in Fig 6.



## **STEP 7 (Wiring)**

Begin by selecting the plug adapter that is correct for your vehicle. Attach the adapter to the factory wiring harness. Then plug the red wire to the red wire and the black wire to the black wire on the relay. Then connect the relay to the fog lights. The bumper lights will now work with your factory fog light switch.



## **STEP 8 (Optional)**

Once you have everything in place you are finished with the installation. Congratulations on your new product.

LED Harness Wiring Diagram :

Red to 12V+

Black to Ground

