

JT Frame Mount Rock Light

Installation Instructions

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Installation Time: 60-90 Minutes

Tools Needed: Wire snake/fish tape, 10 mm Wrench, Heat source for waterproofing, Electrical tape.

Contents: 4 Mid lights, 2 Front wheel lights, 2 Rear frame lights, 1 Front axle light, 1 Center light, Drivers side harness "A", Passenger side harness "B", Engine compartment harness "C", & Zip-Ties

Note: Installation should be done when temperature is above 70°F, this will allow the rubber bushings to be more flexible. If the interior of the frame is dirty it is best to wash it out prior to installation.

Step 1: Install wire harnesses. Starting on the drivers side. From under the Jeep, locate the hole in (fig 1). It is on the inside of the frame rail, just forward of the drivers door. This is where the wiring will exit the frame. Insert your wire snake/tape into the hole where the rear light is to be installed (fig 2) until it can be pulled through hole in (fig 1). It is a long distance that is easiest accomplished with two people. Attach rear of A harness pictured in (fig 3) thoroughly using electrical tape. Gently pull the harness through the frame and out of the hole. Repeat this process for the passenger side using "B" harness.

Step 4: Once all frame wiring is done, route the male end of each harness up along the frame rail and into the engine bay.

Note: When routing the wire harnesses up into the engine bay be sure to route in a manner where the wire will not come in contact with the exhaust. We recommend routing behind and along existing shielded wire located above the exit hole on both sides (Fig 1).

The “C” harness can now be installed along the firewall using supplied zipties. This harness is reversible to accommodate a power connection on either the driver or passenger side, whatever is best for your switch system. Connect male ends of both harnesses to C harness. Once the wiring is all routed properly, connect the “C” harness to a power source with a maximum of 7 amps.

Step 2: Identify light locations. Using your fingers pull the harness plugs out of the holes where each light is to be installed. “MID” Lights fit within the oval holes under the doors in the middle of the vehicle (fig 4). Front lights fit the holes directly behind the front wheels (fig 5). Rear lights fit the downward facing frame holes on either side of the spare wheel (fig 6). The front axle light attaches to the radiator hose support (fig 7). Mid underbody light attaches to the frame crossmember just rear of the transfer case (fig 8).

Step 3: Install lights. When installing rubber lights, push light in at an angle to lock in, then work in the remaining sections. Do not push from center of light as damage may result.

Front lights fit within hole in frame behind front wheels. Insert wire lead from light into hole. Feed wire down until it can be connected to the harness at the front MID location. This is easiest accomplished with the wire snake/tape. Install Lights, make sure all four points securely lock into place.

The underbody light simply snaps into the $\frac{3}{4}$ ” oval hole located in the crossmember just rear of the drivetrain. Route wiring inside crossmember and into to the driver’s side frame (fig 9). Connect to the harness at the “MID” location. Use zip-ties to secure the wire where necessary.

The “MID” lights can now be installed by first connecting them to the harness then pushing into their corresponding holes.

Install rear lights by first connecting and heat shrinking the connections. This is important for water proofing. Be careful not to burn the heat shrink or wire. Install lights.

Remove 10mm nut from radiator hose support bracket (fig 8). Use the nut to attach the front axle light. **DO NOT OVER TIGHTEN.** Route wire to the side and up into engine bay. Be sure to secure wire so it does not contact any moving parts. Connect to the “C” harness.

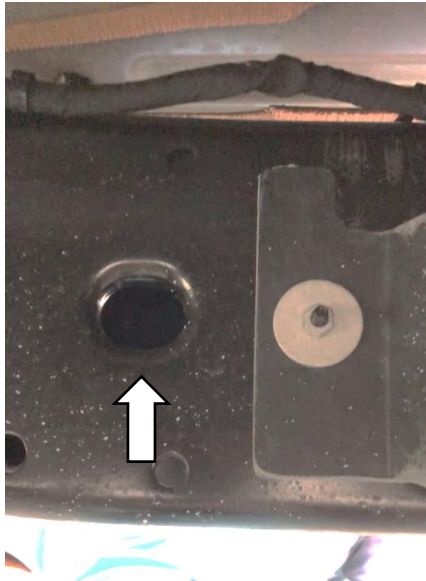


Figure 1



Figure 2



Figure 3

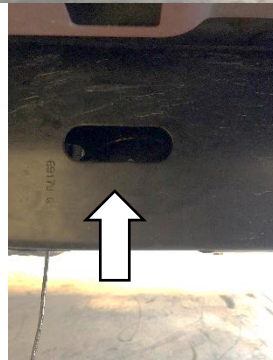
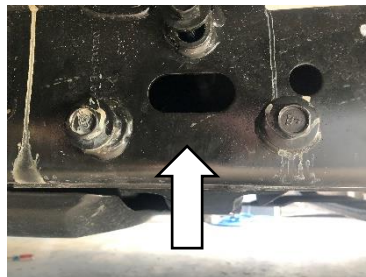


Figure 4



Figure 5

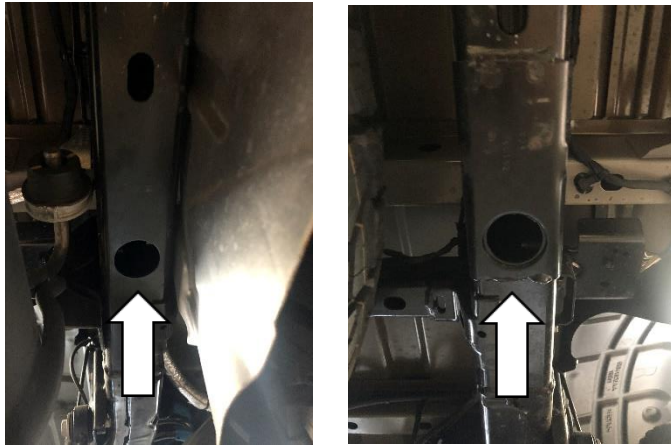


Figure 6

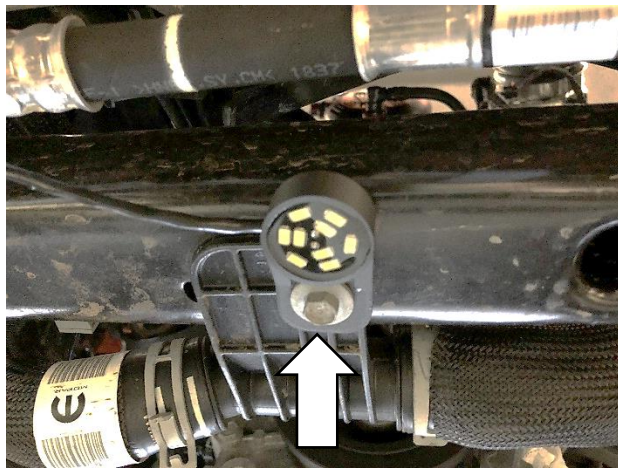


Figure 7



Figure 8



Figure 9