

OFD Front bumper installation procedure.

Product Code: OFJLFBS087

Fits to: Gladiator JT 20-present
Wrangler JL 2 Door 18-present
Wrangler JL 4 Door 18-present
Wrangler JL 4XE 21-present

Recommended tools:

- Flat screwdrivers
- Nr 1 Phillips screwdriver
- Trim clip tool or small pry bar
- Long needle pliers
- Ratcheting wrench with sockets sets or similar

Prepare clean work surface. Remove packaging and use it as padding for the new bumper. This way you won't scratch it.

- Remove license plate and put it aside



- From the underside of the bumper, locate 6x trim clips and 2x fasteners that hold the plastic skid plate.



- Clips are two-piece designs. Using a pry bar or trim clips tool lift the inner piece about 1cm and then remove the whole clip. Some significant force is required here as this place gets quite dirty.



- Using an 8 mm socket wrench loosen and remove two remaining fasteners.



- Using a 7 mm socket wrench loosen and remove 7 fasteners holding inner plastic covers on both sides of the bumper.



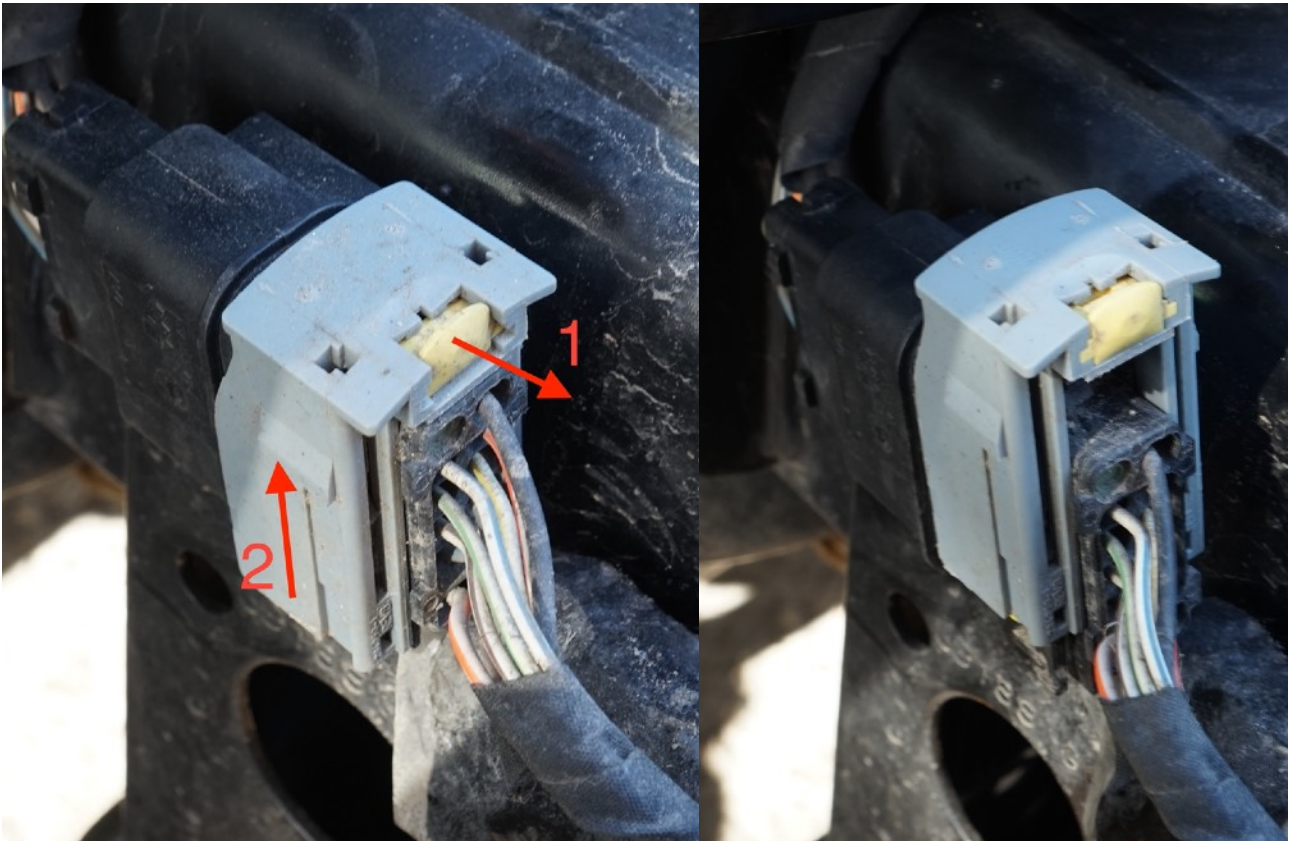
- Remove two clips holding the upper trim piece. Using a flat screwdriver lift and remove the inner piece (plug) and then remove the rest of the clip.



- The same trim piece is also held by white clips from inside the bumper. Release them by pinching them and pushing up. Use long needle nose pliers for best access. Gently pulling the masking bar upwards also helps in this task.



- Locate the connector behind the bumper (one side only). Slide the yellow security clip all the way out first then lift the grey plastic slider up.



- Holding both pieces of the connector pull them apart. Be careful not to damage any wires



- Locate 4x main fasteners on each side of the frame, 8 overall. Using a deep socketed wrench remove the nuts. It's a good idea to leave one nut on each side slightly threaded just to hold the bumper secure on the frame.



- Remove all the remaining nuts holding the bumper to the frame and pull out the bumper. Keep it nice and straight to avoid it getting stuck. Most importantly pull it forward.



Place the old bumper on its „face”. Remove 8 fasteners holding metal crash bar. 4 nuts on each side.



- Using a 7 mm socket undo all the fasteners holding inner and outer plastic bumper pieces.



- Move the plastic parts apart slightly to uncover the wire harness. Locate and remove all the zip ties. You can cut them off or save them by lifting the notch like we did and releasing the tie.



- On each parking, sensor mount release the two tabs marked by arrows and push the sensor with a finger from the outside of the bumper.



- Using an 8 mm socket disassemble the fog lights from the old bumper.



- The wiring harness, lights, and sensors are now free of the old bumper. Inspect them for any wear and tear. Store somewhere safe as you will need them for a new bumper.

- Place the new bumper safely on a soft surface, you can reuse bubble wrap packaging for this.



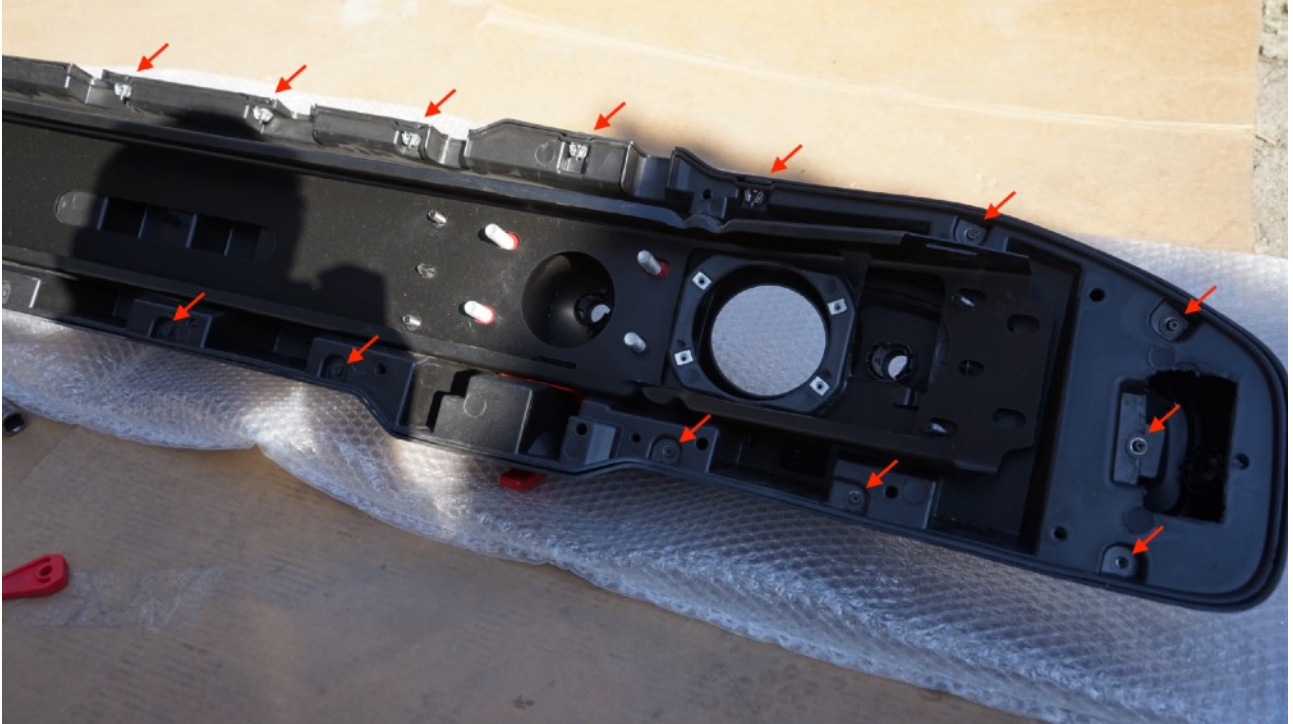
- Remove 4 nuts on each side marked below



- Remove 4 nuts on each side marked below



- Remove all fasteners holding the inner bumper parts with the front cover.



- Remove the metal crash bar and place it safely on the side.

- Remove both red hooks on each side



- Install fog lights as shown in the picture using factory fasteners. The radiator should point upwards. It is necessary to disconnect the harness from the fogs at this point.



- Separate two pieces of the bumper now and lay the wiring harness fast between them. Make sure the main connector is located adjacent to the connector on the vehicle frame.

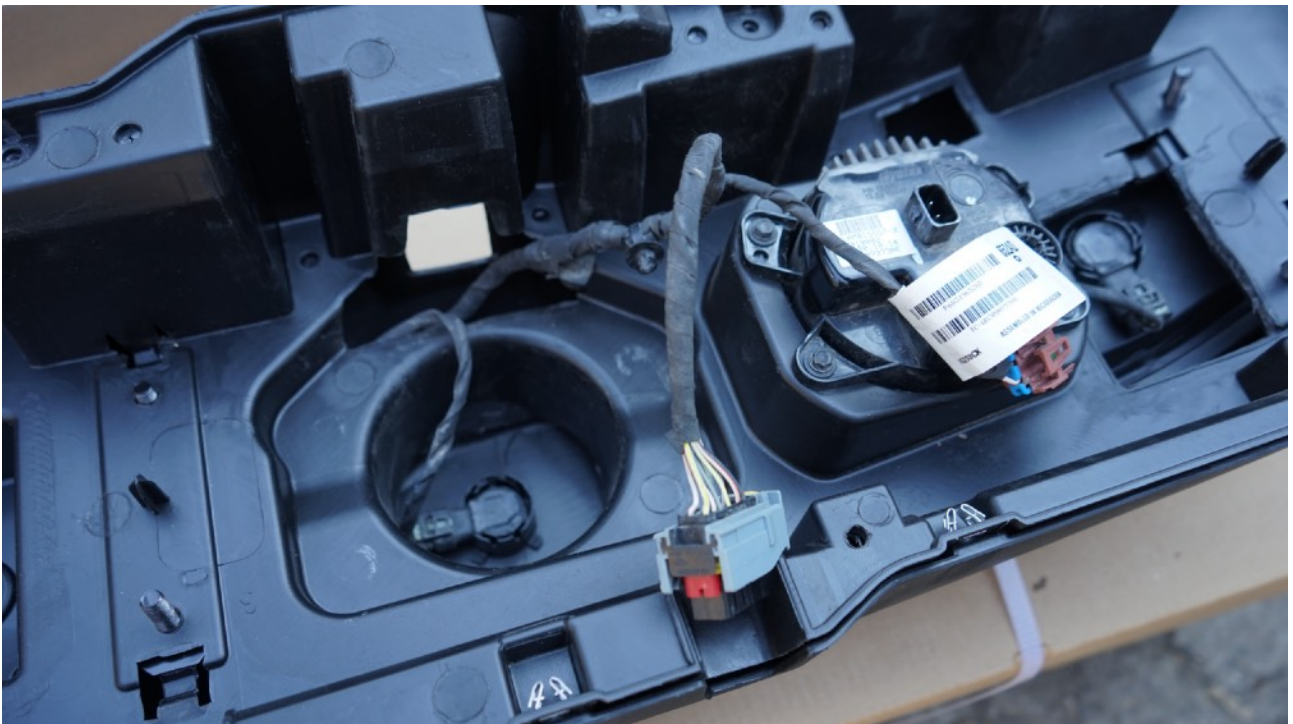
- Install two parking sensors that are the most outboard. Do it by pushing them into adapter mounts fitted already on the bumper. Make sure not to pinch the rubber seal. Repeat on each side of the bumper.



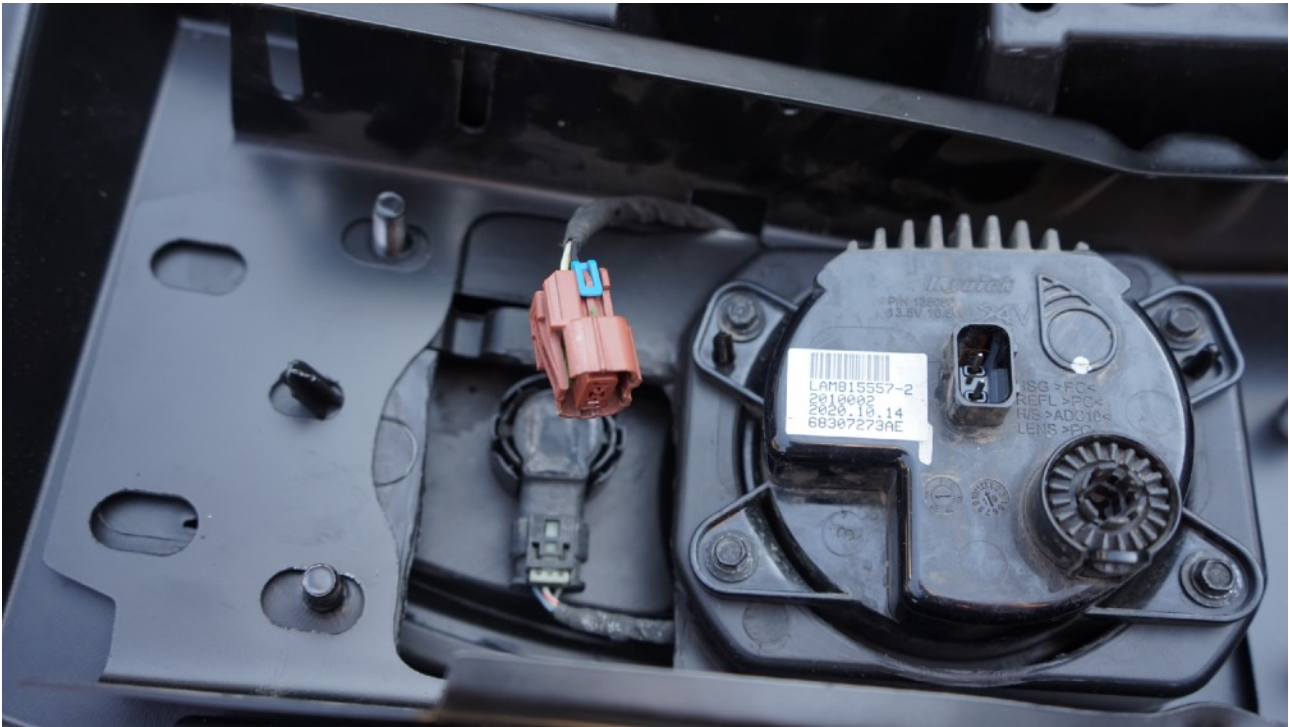
- Place both bumper parts together. Wire the middle parking sensor as shown below. You can now connect it.
- Feed the fog light connector thru the square hole above the light mount but keep it unconnected for now.



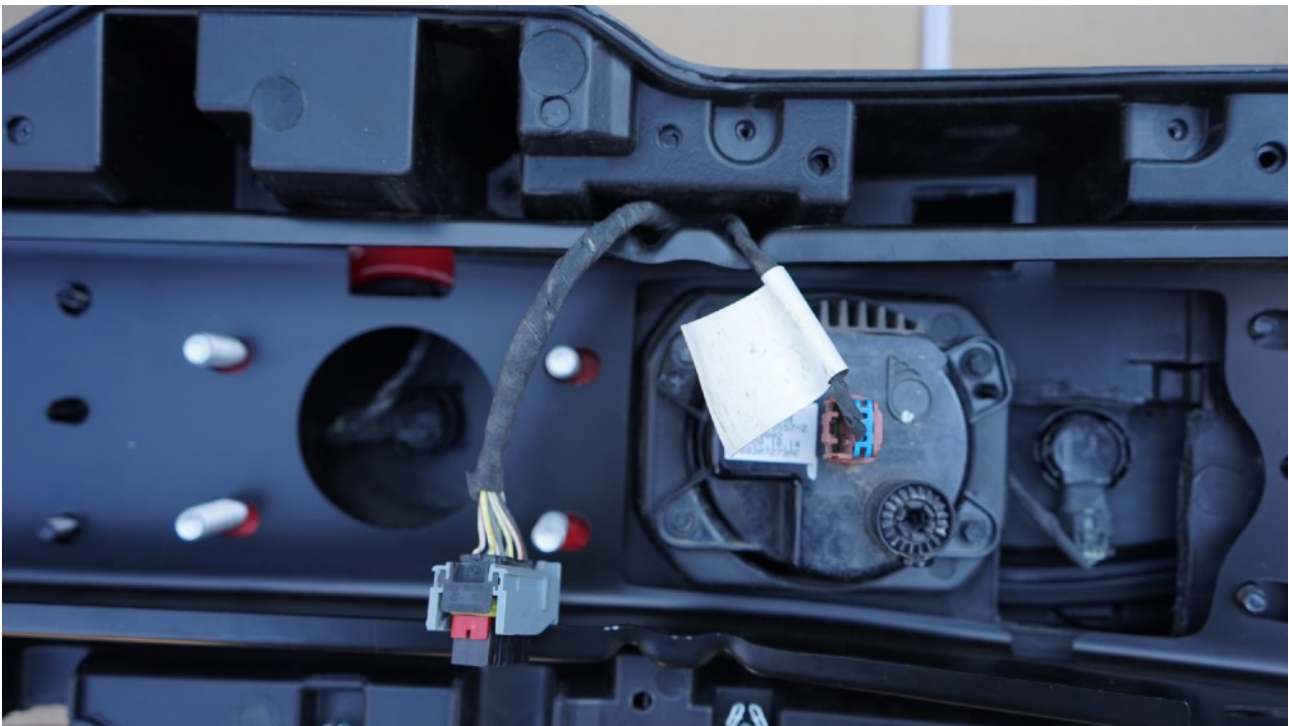
- Feed the main connector alongside the parking sensor and fog light connector thru the opening show below.
- Install the middle sensor. Leave the connectors loose at this point.



- Install two red hooks back into places. Make sure not to pinch any wires. If necessary trim the inner plastic to provide a safe opening for the wires.
- Install metal crash bar. Note the location of the fog light connector on one side.



- Wiring on the other side where the main connector is should be fed as shown below.



- Reinstall all the fasteners holding the metal crash bar and two bumper pieces together.



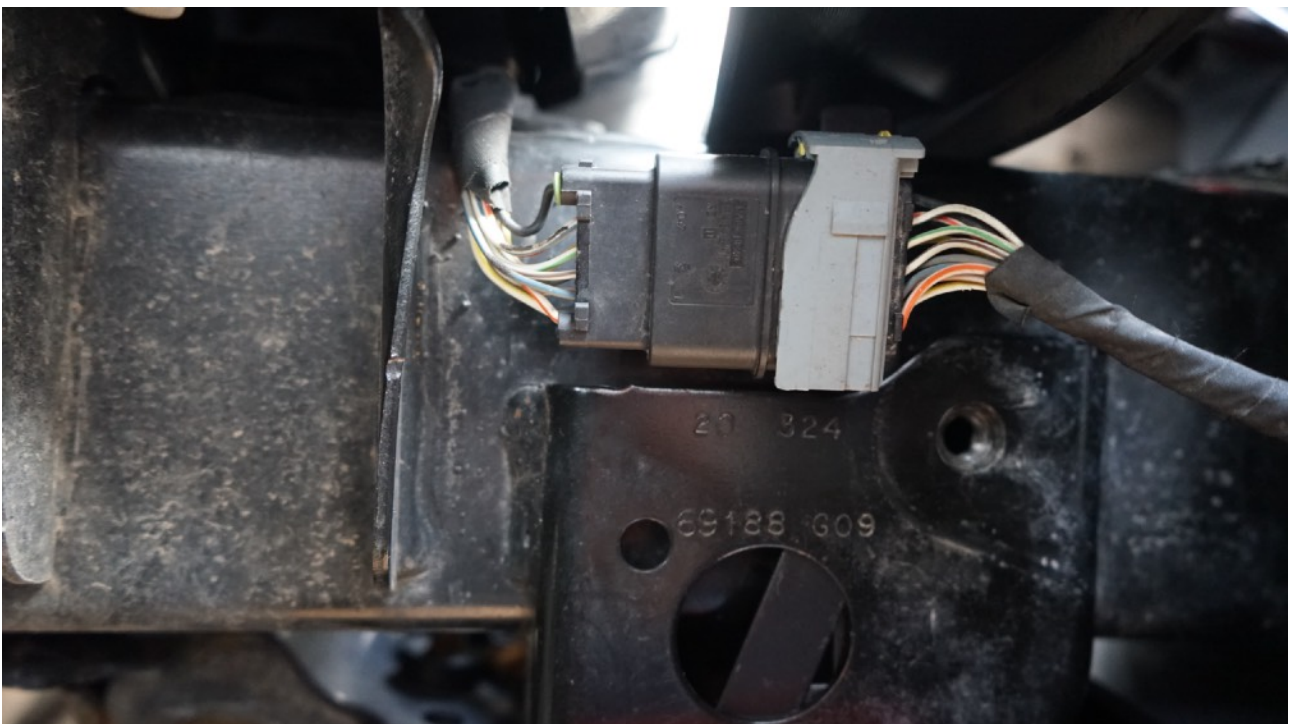
- Install both side covers.



- Use supplied plastic plugs to secure the covers. 5 on each side.



- Reverse the procedure of removing the bumper. Lift it and install it on the frame. Keep it parallel to the ground. Make sure all bolts protrude thru the frame. Hand thread just one nut on each side to secure the bumper on the vehicle.
 - Tighten all the remaining frame mounting nuts just so they are flush with the metal surface while keeping the bumper level.
 - Once you are happy with the bumper position tighten fasteners fully. Refer to vehicle manufacturer tightening torque.
- Connect the main connector behind the bumper. Make sure it is secured and does not move freely.



- Install factory skid plate



- Install license plate using provided mount.
- Turn the engine on. Check for the proper functioning of bumper parking sensors and fog lights.

CAUTION:

Longer exposure to weather conditions and sunlight might affect the shade of product paint. Paint scratches and chips are normal on all vehicle equipment. Paint damage can happen when off-roading but also during use on paved roads. It is the owner's duty to repaint and constantly maintain the good condition of the protective coat to prevent material corrosion.

Periodically check all the fasteners on all your accessories. We also recommend performing the check before every longer ride.

Each OFD product should be installed and checked for proper function by a trained and experienced professional. OFD is not responsible for any damage or harm caused by invalid installation.

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