



# Installation Instructions

## Black Steel/Elite Front Bumper

Product Number: K1960,K1961,K1962,R1960,R1961,R1962

Application: '09+ Ford F150

## SAFETY

### Your safety and the safety of others is very important.

- In order to help you make informed decisions about safety, we have provided installation instructions and other information.
- These instructions alert you to potential hazards that could hurt you or others.
- Please do a job safety analysis (JSA) before each task to identify potential hazards for your situation and remove/protect against them.
- You must use your own good judgment, and take your time.

**Read and understand all safety precautions and instructions before installing this product.**

THIS PRODUCT IS FOR OFFROAD USE ONLY. ALL LIABILITY FOR INSTALLATION AND USE RESTS WITH THE OWNER.

**CARELESS INSTALLATION AND OPERATION CAN RESULT IN SERIOUS INJURY OR EQUIPMENT DAMAGE.**

## Injury hazard

### Failure to observe these instructions could lead to severe injury or death.

- Always** remove jewelry and wear eye protection.
- Always** use extreme caution when jacking up a vehicle for work. Set emergency brake and use tire blocks. Locate and use the vehicle manufacturers designated lifting points. Use jack stands.
- Always** use appropriate and adequate care in lifting components into place.
- Always** insure components will remain secure during installation and operation.
- Always** wear safety glasses when installing this kit. A drilling operation will cause flying metal chips. Flying chips can cause serious eye injury.
- Always** use extreme caution when drilling on a vehicle. Thoroughly inspect the area to be drilled (on both sides of material) prior to drilling, and relocate any objects that may be damaged.
- Always** use extreme caution when cutting and trimming during fitting.
- Always** tighten all nuts and bolts securely per installation instructions.
- Always** route electrical cables carefully. Avoid moving parts, components that become hot and rough or sharp edges.
- Always** insulate and protect all exposed wiring and electrical terminals.
- Always** perform regular inspections and maintenance on mounts and related hardware.



### NOTE: Black Steel Accessory Compatibility

- This product **is** compatible with the Black Steel D-Ring mounting kit - M1850
- This product **is** compatible with the Black Steel Winch Mount kit 20483
- This product **is not** compatible with the Black Steel Winch Mount and 2" receiver hitch kits – M1650 & M1750

### I. Tool List

- Metric and Standard socket set
- Various socket extensions
- ¾" box end wrench
- Philips head screwdriver
- Flat head screwdriver
- "Christmas tree" clip remover

### II. OEM Bumper Removal

1. Remove the lower air dam by loosening the fastener (14mm socket) attaching it to each frame rail behind the tow hooks.
2. Remove the splash mat from the bumper by pulling out the plastic push clips.
3. If equipped, disconnect the fog lights and route the harness out of the way.
4. Open the hood and remove the lower safety latch bracket bolts that attach it to the steel portion of the OEM bumper with a 10mm socket.



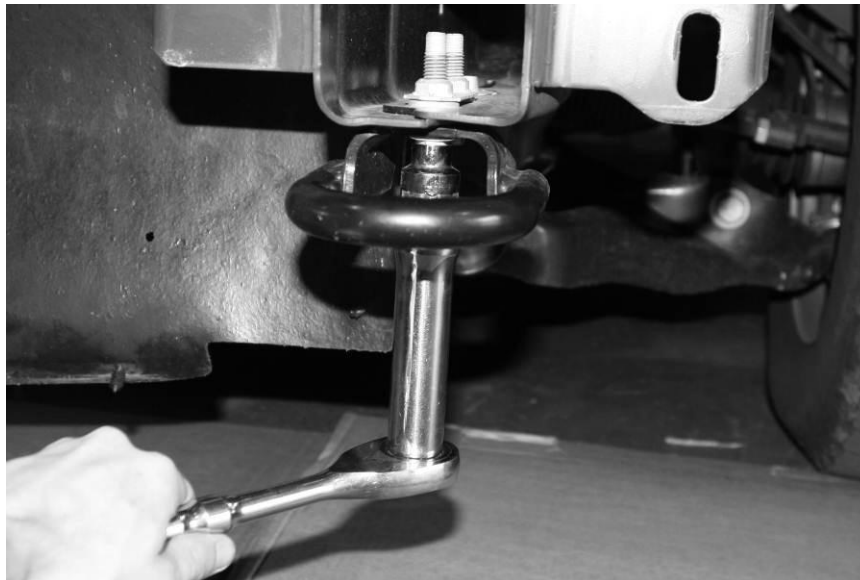
Figure 1 - HOOD LATCH BRACKET FASTENER LOCATION

5. Remove the (2) nuts from the main bumper mounting studs on each frame flange with a 21mm socket.



Figure 2 - BUMPER MOUNTING BOLTS (VIEW FROM TOP)

6. Using two people, pull the bumper forward away from the truck. Be careful not to scratch the paint on the plastic above the bumper.
7. Remove the tow hooks using a 15mm socket.



### III. Installation

1. If equipped, remove the fog light mounting brackets from the OEM bumper. Remove the adjuster screw and spring; save for reinstallation. Pop the fog light out of the mounting bracket by lifting the tabs at the pivot point on each side.
2. If equipped, reinstall the OEM fog light into the brackets in the Black Steel front bumper. Use the OEM adjuster screw and spring to set the position of the beam.

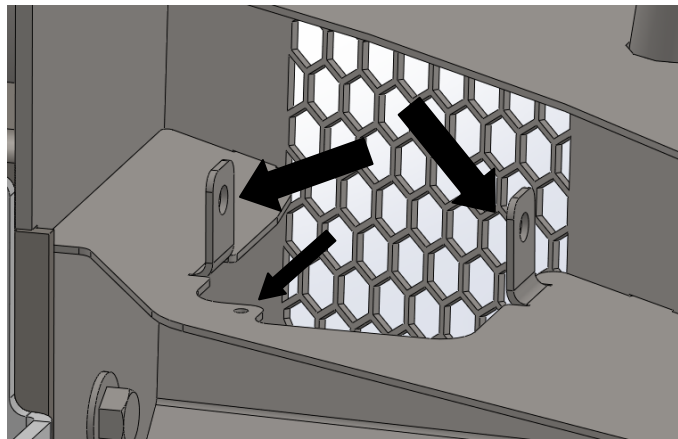


Figure 3 - FOG LIGHT INSTALLATION

3. Install the Black Steel mounting brackets onto the frame rail; fasten with (2) bolts installed through the OEM tow hook mounting holes into the weld nuts on the bracket, and (2) bolts installed through the OEM bumper mount holes with the supplied nuts and washers. Note that the flange with the chamfer should be facing the outside of the truck.

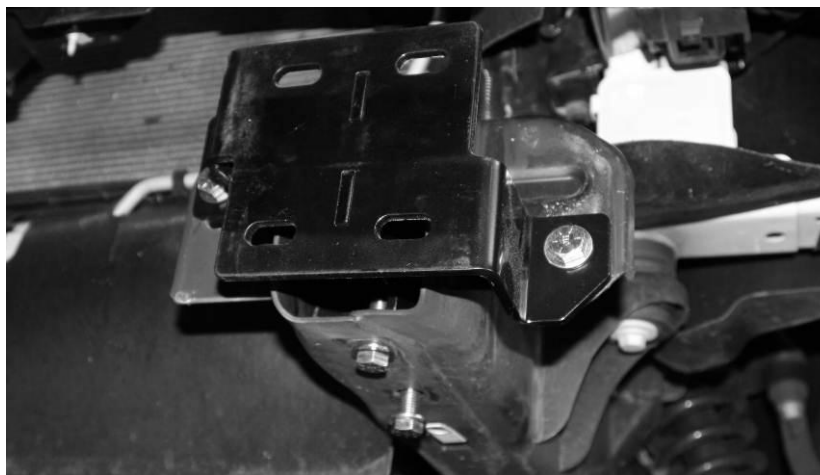


Figure 4 - FRAME BRACKET ORIENTATION



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4. If you have the M1850 D-ring kit, it must be installed at the same time as the bumper:
  - a. Install the lower guard by in the bumper by inserting it between the uprights from the bottom of the bumper. Loosely secure it with one bolt per side
  - b. Insert the D-ring mounts into the pockets on either side of the lower guard, aligning the D-ring mounting holes to the bumper mounting holes.
5. With the assistance of a hoist or multiple assistants, lift the bumper and align the mounting slots on the bumper with those on the frame brackets. Fasten with the provided 1/2"- 13 x 2.0" bolts, washers, and nuts. Do not full tighten at this time.
  - a. If installing the bumper with the M1850 D-Ring kit, remove the one fastener per side holding the lower guard, allowing it to rest on the top of the D-Rings. This will greatly improve access to the top outside fastener location.
6. Adjust the side to side alignment, and the level of the bumper in relation to the front clip of the truck.
7. Fully tighten all bumper and frame fasteners.
8. Install the lower guard with the supplied hardware. Fully tighten the fasteners.
9. Install the OEM Hood Latch into the Bracket on the bumper using the OEM Hardware.
10. Remove the plastic push fasteners and splash mat.
11. If equipped, reconnect the fog light wiring harness and check fog light aim.





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### IV. Maintenance/Care

- Periodically check and tighten all nuts.
- Stripped, fractured, or bent bolts or nuts need to be replaced.



More than expected... Better than expected

