

Product Number: M4450 Application: 2018+ Ford F150

SAFETY

- 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 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.

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.

MODULE FUNCTIONALITY MAY BE ALTERED WITH USE OF THE REPLACEMENT BUMPER.

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.





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I. Removal of Adaptive Cruise Control Unit

Note: Save all OEM parts until installation is complete!

A. Using a flathead screwdriver or body panel tool, carefully remove center plastic piece, indicated by oval in the center of the OE bumper.



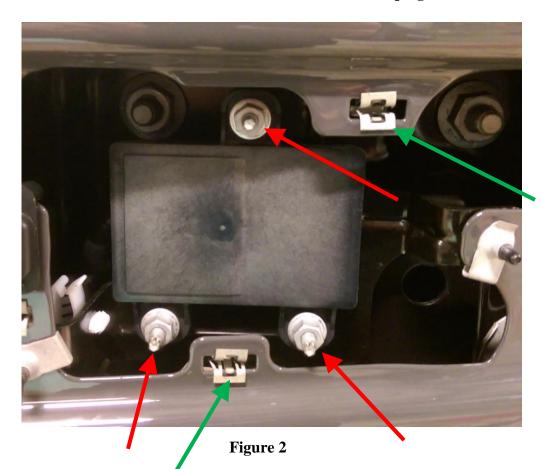
Figure 1b





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B. The adaptive cruise control module will be located behind the driver's side cover (ref. fig. 2a). Remove adaptive cruise control unit using an E6 external socket to remove the studs located with the arrows. Unplug the device.







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II. Installation

NOTE: The following installation steps apply to the installation of the M4450 unit. PLEASE READ THE ENTIRE MANUAL BEFORE ATEMPTING INSTALLATION. Ignoring these steps will increase your probability of scratching the vehicle during product installation.

- A. Remove the 20" Light Bar bracket (Figure 3a) from the Bumper (bolted to the bumper mounting brackets, use 9/16" socket and 9/16" wrench).
- B. Remove the M4450 bracket (Figure 3b) from the shipping carton. Lay items on a blanket to prevent damage to the powder coating.
- C. Install the Adaptive Cruise Control Unit into the M4450 using the provided M8 nuts.
- D. Bolt the M4450 bracket (Figure 3b the top is denoted by a red arrow) into the bumper using the same bolts removed in step A. Do not fully tighten yet.



Figure 3b

- E. Reconnect the adaptive cruise control module to the truck wiring harness and adjust the unit using the top adjustment screw on the unit. The unit should be as perpendicular to ground as possible.
- F. Remove metal clips from OEM bumper (shown in Figure 3a with green arrows. Reinstall clips on the plastic cover. Remove yellow plug (shown in Figure 3c with purple arrow).





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- G. Install Plastic Sensor Cover onto the face of M4450 and center in the bumper opening.
- H. Tighten M4450 hardware to secure to bumper.



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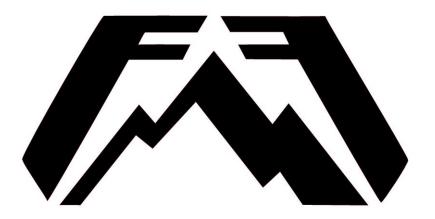
Maintenance/Care

- ☐ Periodically check and tighten all fasteners.
- Stripped, fractured, or bent bolts or nuts need to be replaced.
- ☐ After washing of the vehicle make sure to fully dry all surfaces

III. Contact Information

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More than expected... Better than expected

