

ROAD



ARMOR

2004 - 2008 FORD F150 / RAPTOR FRONT BUMPER INSTALL INSTRUCTIONS



Warning!

Read the instructions completely before beginning the installation. Before tightening bolts, drilling or cutting where required, check to make sure that there are no obstructions such as brake, fuel or electrical lines that may be damaged. Also keep in mind this is an aftermarket product and MAY require some minor shimming and or trimming, reaming etc. to fit properly.

IMPORTANT NOTICE

IF YOU ARE RECEIVING THIS ROAD ARMOR PRODUCT RAW/UNCOATED.

BE SURE TO INSPECT AND OR TEST FIT YOUR PRODUCT TO ENSURE PROPER FITMENT AND ADEQUATE SURFACE PREPERATION BEFORE HAVING YOUR PRODUCT COATED, PAINTED, BED LINED, ETC.

ROAD ARMOR WILL NOT BE RESPONSIBLE FOR THE COST OF COATING YOUR UNIT IF ANY PROBLEMS WITH FIT OR FINISH ARE NOT NOTED AND ADDRESSED PRIOR TO HAVING YOUR PRODUCT COATED.

THANK YOU

SUGGESTED LIGHTS THAT FIT THIS UNIT:

PIAA 2100 - www.piaa.com - Part Numbers (2091, 2090).



TOOLS NEEDED

- Yourself and a strong friend / bumper jack.
(Don't worry, we're not calling you or your friend a "tool")
- Socket set, Ratchet & Wrenches (metric & standard)
(... more than likely metric for your rig, cause everything's imported these days,
and standard for your new bad ass Made in USA bumper.

Road Armor thanks you for supporting the American Economy!)

-Metal Cutting Tool

- Common Sense a Tape Measure and a bit of Patience
(And also a cold drink to celebrate afterwards)

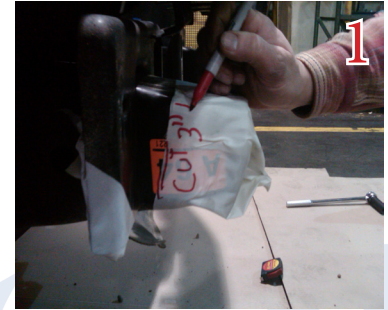


Step 1: Make sure you have all necessary tools and hardware.

- (4) SINGLE BOLT PLATES (mfg. part)
- (4) 1/2" PUSH ON RETAINERS
- (8) 1/2" GR9 FLAT WASHERS
- (4) 1/2" LOCK WASHERS
- (4) Hex Nut 1/2-13 GR8
- (4) 3/8 SOCKET CAP WINCH BOLTS
- (4) 7/16 ALLEN HEAD WINCH BOLTS
- (1) ALLEN HEAD BOLT & NUT (for logo)

STEP 2: Uninstall OEM Bumper

- Park on a level surface
- Remove license plate
- Disconnect battery
- Before starting to remove bumper it is smart to tape off paint around bumper to avoid scratches during install.
- Carefully remove the stock bumper from the vehicle.



STEP 3: Installing Road Armor Bumper

- Once bumper is removed the first three inches of the frame that sticks out past the stock bumper mounting brackets must be removed using an abrasive cutting wheel or plasma cutter.

Picture: 1 (Tape indicates where areas where to cut)

- An angle must be cut on the factory mounting bracket that faces the relevant side of the vehicle. (Cut is one inch by one inch by 45degree.) Drive side = Right lower: Passenger = Left lower. This cut will give clearance to raise the bumper to the proper height.

Picture: 2 (PassengerSide View, DriverSide is Cut on the Right)

- After making cuts to frame spray all bare metal with spray-paint to avoid rust.
- Install winch with supplied hardware.
- Mount bumper and align the bumper to match the body lines of the truck. You must maintain a gap of 1/4 inch minimum otherwise the bumper will squeak against the truck body. If you are having problems getting the height set you may need to grind more clearance of the angle cut of the frame mounting brackets. (Remember to spray exposed areas with paint to protect against rust.
- After setting the height of the bumper stand back and look at the alignment from side to side and adjust accordingly.
- The bumper has been tagged with instructions as to where the hood latch is relocated.
- The bracket that held the plastic molding will need to be moved out of the way of the new bumper. You can either cut it or simply just bend it out of the way.

Picture: 3

- Once aligned, tighten all of the supplied bumper bolts. Remove tag and re-locate hood latch.

