INSTALLATION GUIDE

2010-14 FORD RAPTOR
PRO-PLUS BOLT-ON FRONT BUMPER | CUT FRAME
F010562070103



TOOLS REQUIRED

- 10mm, 15mm, 21mm Socket
- 9/16'', 3/4", 1-1/8'' Socket
- 9/16'', 3/4", 1-1/8'' Wrench
- Tape Measure, Sharpie, Straight Edge,
-Cutting Tool, Panel Trim Removal Tool,
-Zip Ties

SKILL LEVEL

- Intermediate

TIME REQUIRED

- Approximately 3 Hours

⚠ WARNINGS/CAUTIONS BEFORE STARTING INSTALLATION ⚠

-BEFORE YOU INSTALL THIS KIT-
Read and understand all instructions, warnings, cautions, & notes contained in this installation instruction guide. Consult your vehicle owner's manual for proper disconnection of electrical and lifting of vehicle if required for installation of this product.

This install may require some technical skills and knowledge of basic mechanical work. If you do not feel that you are capable of performing this install please take this product to a trained professional.

After reading this guide please contact us with any questions or concerns before installing product.

Customer Service: (480) 671-0820
Addictive Desert Designs is *not* responsible for any bodily injury or harm to you or your vehicle as a result of an improper install.

Proper installation of this kit required knowledge of the factory recommended procedures for removal and installation of original equipment components.

We recommend that the factory shop manual and any special tools needed to service your vehicle be on hand during the installation. Installation of this kit without proper knowledge of the factory recommended procedures may affect the performance of these components and the safety of the vehicle.
Inspect all contents of this package to make sure product is not damaged and all installation hardware has been included. If parts are missing from kit, please be prepared to provide the following information:

1. Name of purchase location
2. Bar Code on side of box
3. Date above bar code
4. Date inside box cover

ALWAYS WEAR EYE PROTECTION WHEN OPERATING POWER TOOLS

HARDWARE/PARTS

A1.



3/8-16 X 1" CARRIAGE BOLT

QTY: 4

A2.



3/8" FLAT WASHER

QTY: 4

A3.



3/8-16 NYLON LOCK NUT

QTY: 4

B1.



1/2-13 X 1" HEX HEAD BOLT

QTY: 8

B2.



1/2" FLAT WASHER

QTY: 16

B3.



1/2-13 JAM NUT

QTY: 8

C1.



3/4-10 X 5-1/2'' HEX HEAD BOLT

QTY: 2

C2.



3/4" FLAT WASHER

QTY: 4

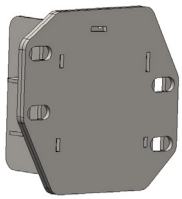
C3.



3/4-10'' NYLON LOCK NUT

QTY: 2

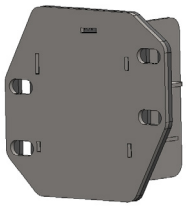
D1.



FRAME HORN MOUNT

QTY: 1

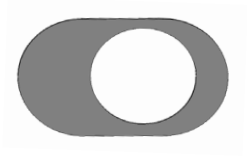
D2.



FRAME HORN MOUNT

QTY: 1

E1.



FRAME HORN SPACER

QTY: 4

F1.



LIGHT MOUNT TAB 2

QTY: 1

F2.



LIGHT MOUNT TAB 2

QTY: 1

G1.



LIGHT MOUNT TAB 1

QTY: 1

G2.



LIGHT MOUNT TAB 1

QTY: 1

☐ STEP 1

Using a (15mm Socket) locate and remove the (6) skid plate mounting bolts indicated below then remove the factory skid plate from the vehicle.
(Save the lower hardware for re-installation later in the install)



☐ STEP 2

Using a (Panel Clip Removal Tool) release the (7) radiator air deflector retaining clips and remove the air deflector from the vehicle.



STEP 3

With the hood open, use a (10mm Socket) to remove the (2) indicated hood latch support bolts, located at the backside of the valance near the hood latch assembly.



☐ STEP 4

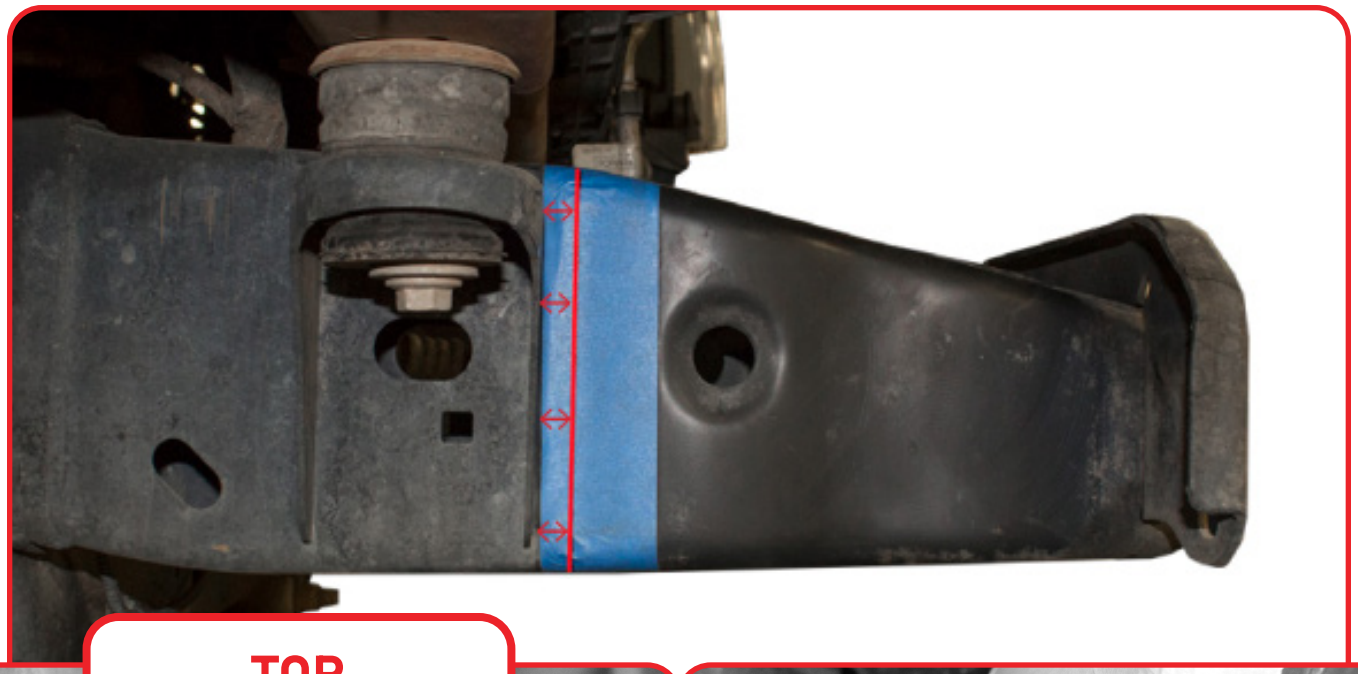
With a helping hand, use a (21mm Socket) to remove the (4) indicated bumper mounting bolts then carefully remove the bumper from the vehicle.

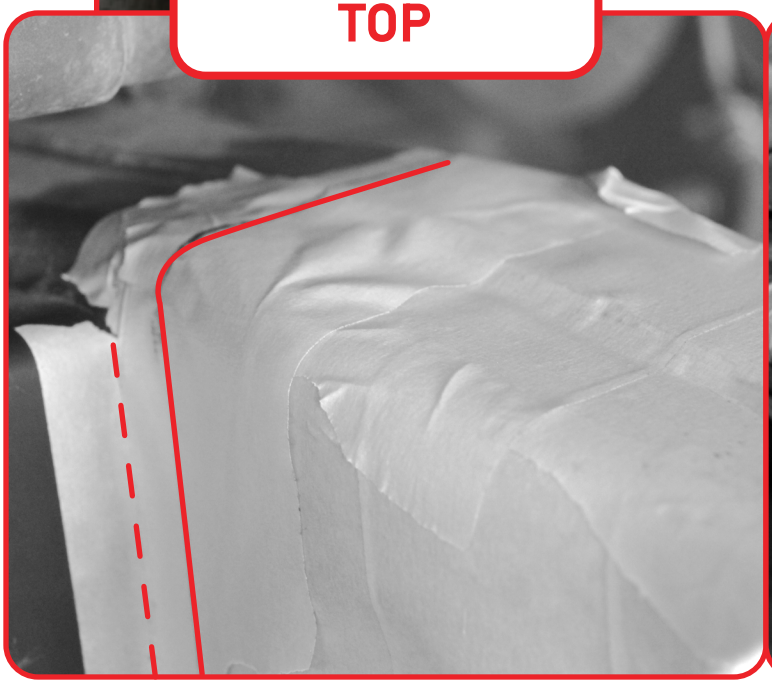


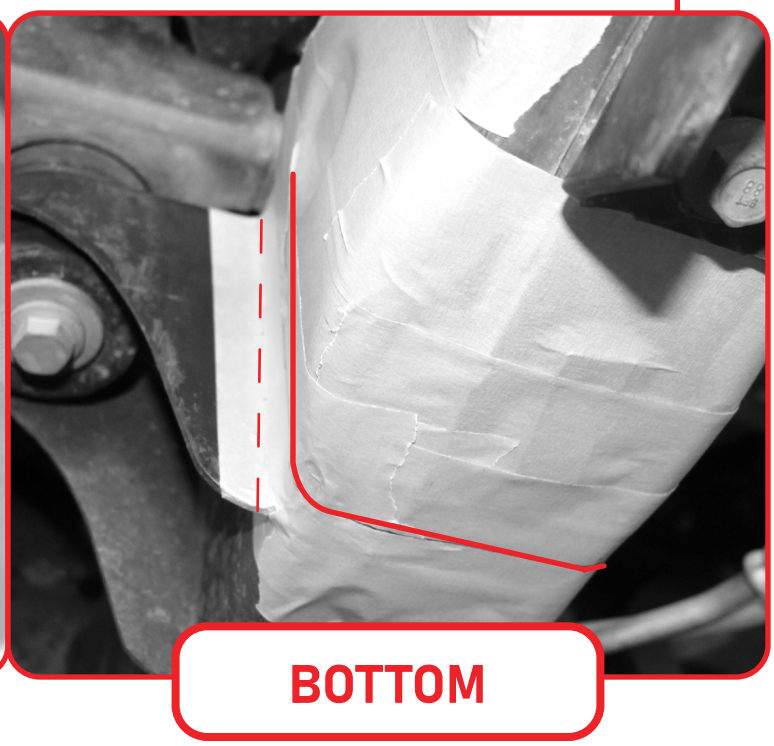
☐ STEP 5

Using a (Tape Measure, Straight Edge and a Sharpie), locate the core support mounts on the outside of each frame rail, then measure 3/8" from the front face of the core support mount towards the front of the vehicle, and mark a vertical line as shown below.

Use a long (Straight Edge and a Sharpie) to connect the lines between each frame rail, then proceed with marking the line continuously around each frame rail.







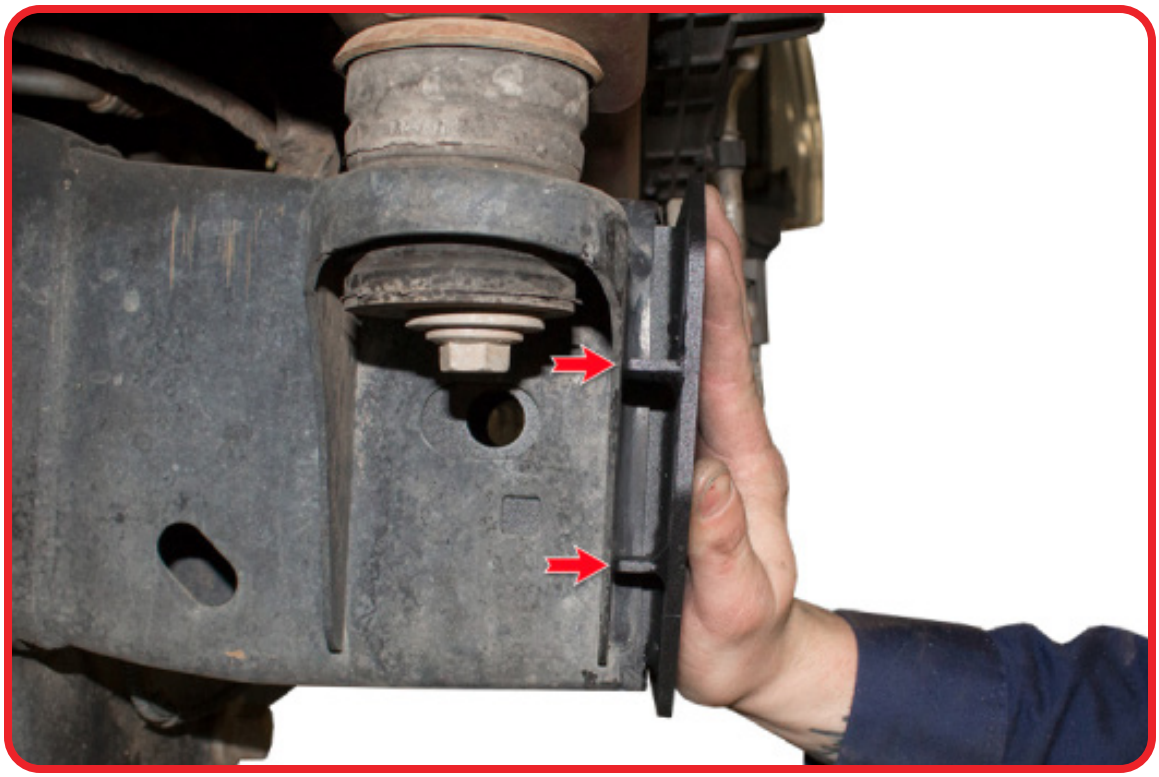
☐ STEP 6

Using a (Cutting Tool) carefully cut along the previously marked lines to remove the front frame horn sections from the vehicle as shown below.



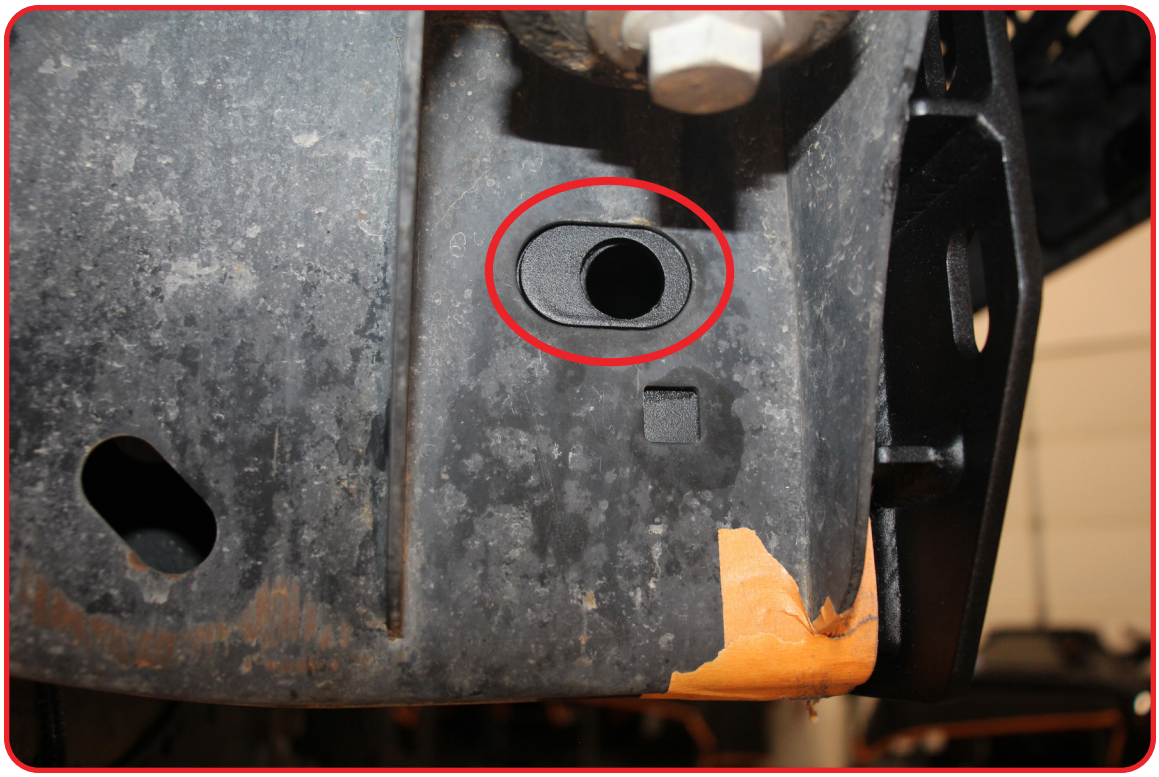
☐ STEP 7

With the frame horns removed, test fit the supplied mount adapters (D1, D2) as shown below, ensuring the stops contact the front face of the core support mounts. If needed, trim excess material from the frame until this fitment is achieved.
(Once done, paint any raw metal to prevent rusting)



☐ STEP 8

With the supplied Frame Horn Mounts (D1,D2) in place, insert the supplied alignment spacers (E1) into the slotted hole of the frame then position the mount adapters where the indicated holes are aligned.
(Repeat on all sides)



☐ STEP 9

Using an (1-1/8" Socket and Wrench) install the supplied hardware (C1, C2, C3) as shown below, securing the mount adapters to the frame.



C1. C2. | C2. C3.

☐ STEP 10

If you've purchased a light(s) for the skid plate light pocket, install that at this time. If needed, use a (9/16" Socket) along with he supplied hardware (A1, A2, A3) and supplied mounting brackets (G1, G2) for a wide range of light bar mounting options.



☐ STEP 11

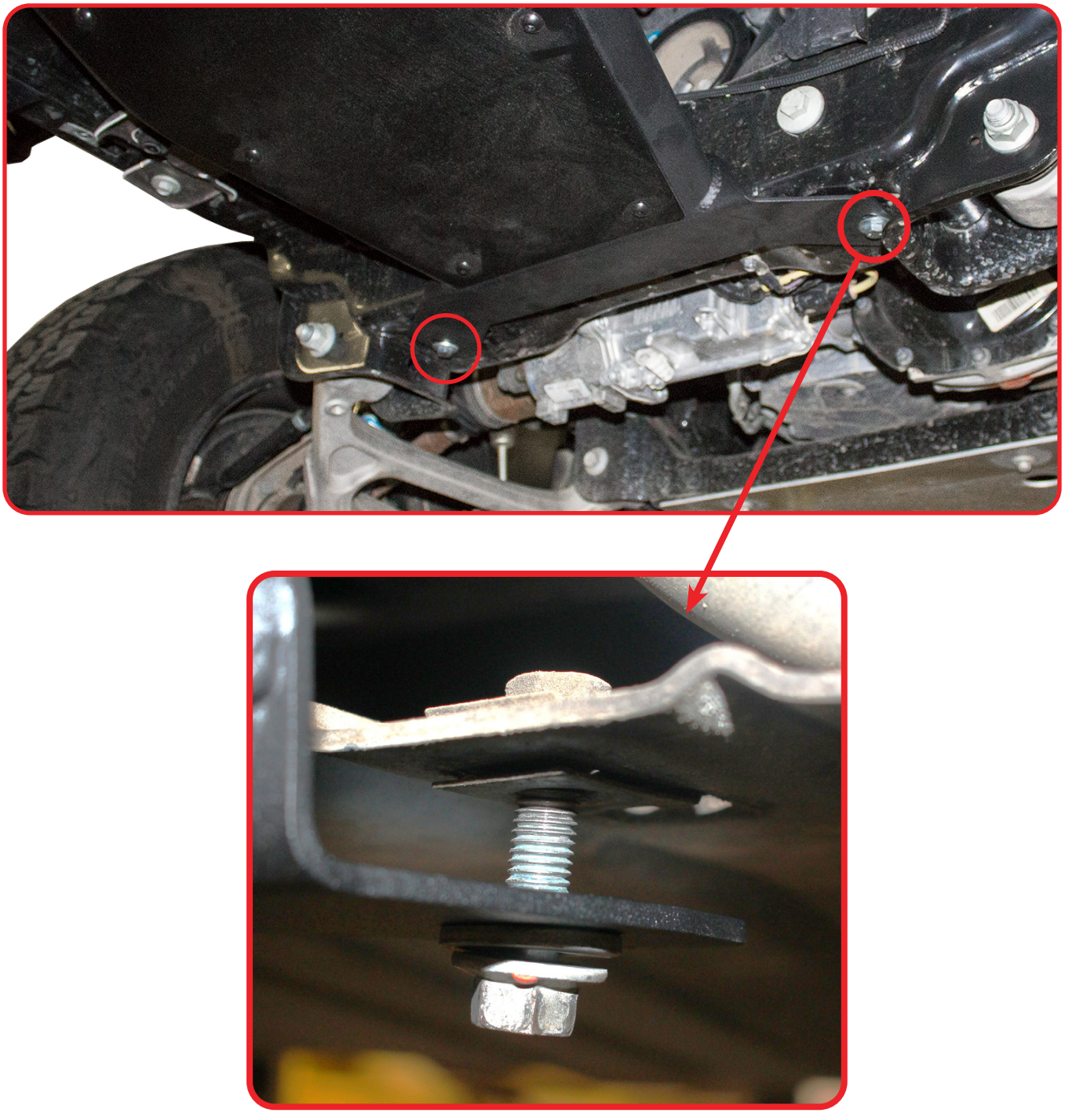
With a helping hand, set the bumper in place on the truck then use a (3/4" Socket and Wrench) along with the supplied hardware (B1, B2, B3) to secure the bumper as shown below.
(Leave loose at this time)



B1. B2. | B2. B3.

☐ STEP 12

Using a (15mm socket) re-install the OEM lower skid plate mounting bolts, securing the lower bumper mount to the lower crossmember.
(Leave loose at this time)



☐ STEP 13

With the bumper loosely installed, align the bumper to the vehicle, then proceed with fully tightening all hardware.
(Use Blue Loctite on all non-locking fasteners)

If you've purchased lights for the grille area of your bumper, install those at this time. If needed, use a (9/16" Socket) along with the supplied hardware (A1, A2, A3) and mounting brackets (F1, F2) for a wide range of light bar mounting options.



Stand back and enjoy your new ADD Pro-Plus Front Bumper.

Check and re-tighten all mounting hardware after 100 miles and periodically thereafter.

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www.addictivedesertdesigns.com

