

ROAD ARMOR

RULE THE ROAD



INSTALL INSTRUCTIONS

Spartan Front Bumper

Product : 4102XF 4162XF

Application : 2010+ Dodge Ram 2500,3500

I WARNING

Read the instructions completely before beginning installation. Before tightening bolts, drilling or cutting where required, check to make sure there are no obstructions such as brake, fuel or electrical lines which may be damaged. Also keep in mind this is an after-market product and MAY require minor shimming and/or trimming, reaming, etc. for proper fit. Road Armor is not responsible for any damages to vehicle.

ⓘ IMPORTANT NOTICE

- Be sure to inspect and test fit your product to ensure proper fitment before having it 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 beforehand.

SAFETY FIRST!

- FOLLOW ALL INSTRUCTIONS, YOUR SAFETY AND THE SAFETY OF OTHERS IS MOST IMPORTANT.
- WEAR APPROPRIATE EYE PROTECTION AND EXERCISE CAUTION WHEN DRILLING / CUTTING

REQUIRED TOOLS

SAE & METRIC Socket set and wrenches

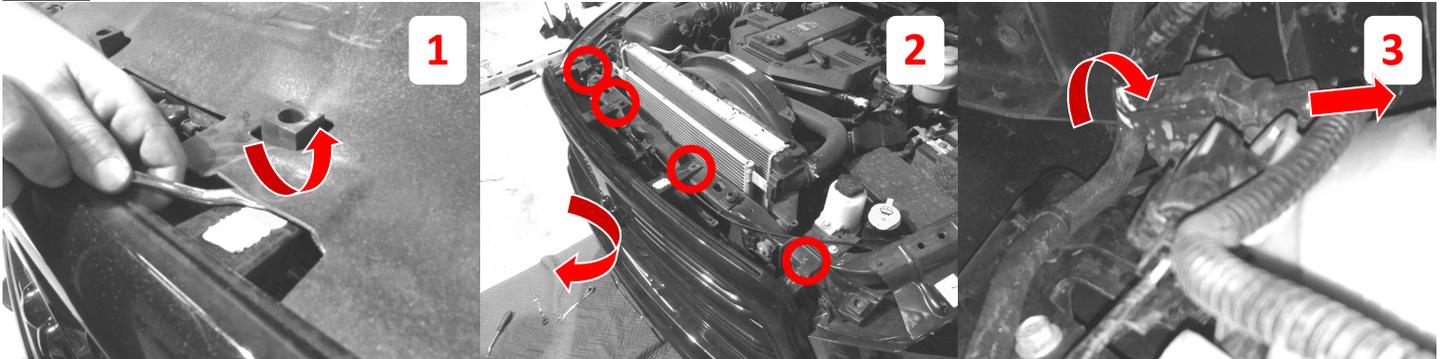
Screw drivers, pry tool, pick tool, pliers

RECOMMENDED TOOLS

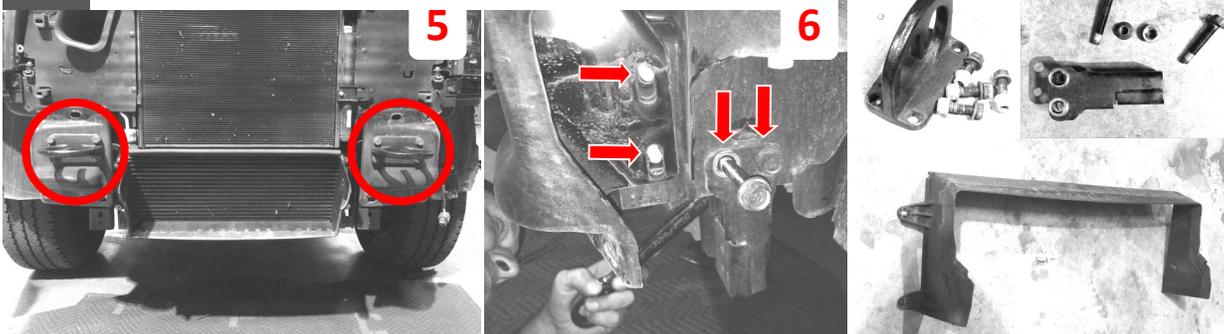
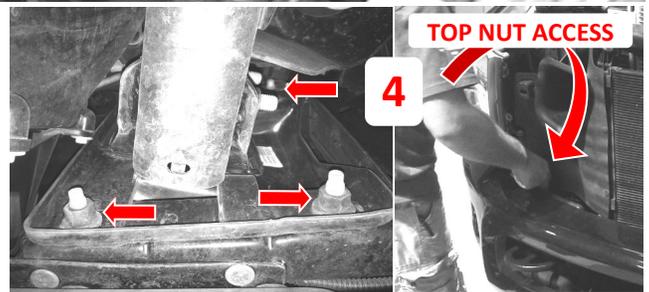
INCLUDED HARDWARE

- 8 1/2" Bolt 15/16" O.D. Zinc Pushnut Bolt Retainer
- 8 Single Bolt Plates
- 8 1/2" Flat Washers
- 8 1/2" Split Lock Washers
- 8 1/2"-13 Grade 8 Hex Nuts
- 2 1/4"-20 x 3/4" ASTM A307 Grade A Zinc Finish Hex Bolt
- 4 1/4" x 0.625" OD Low Carbon Zinc Finish Steel SAE General Purpose Flat Washer
- 2 1/4" Zinc Finish Medium Split Lock Washer
- 2 1/4"-20 Zinc Finish Grade A Finished Hex Nut
- 4 3/8" Dome Plugs

- 1 Remove (4) plastic ribbed retainer clips from "heavy duty" dust shield
- 2 Remove (4) grill support bolts and remove grill pulling away sides and bottom
- 3 Disconnect bumper harness plug, located near driver side fog light



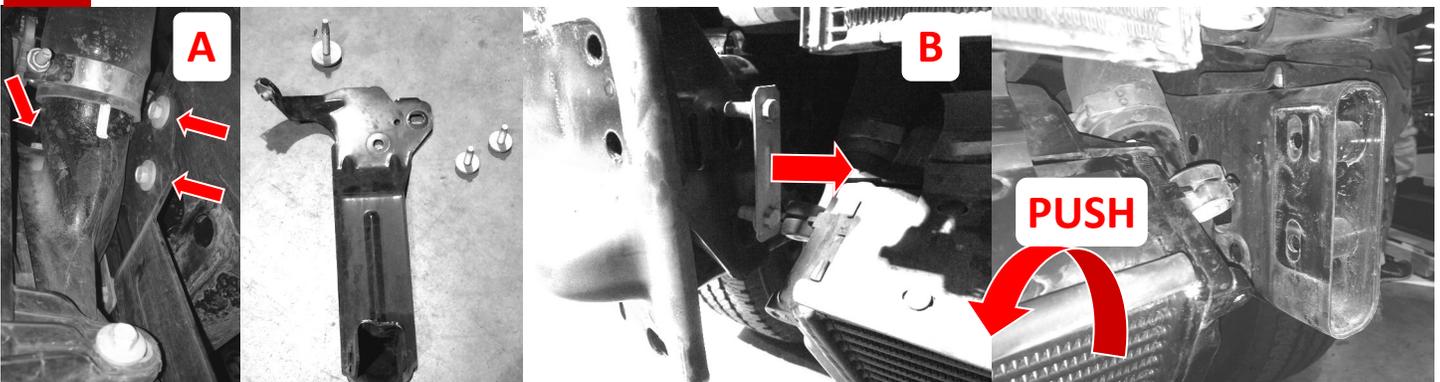
- 4 Remove (4) nuts from behind bumper each side located top and bottom of tow hooks. The top inside nut is accessed from the grill opening
- 5 Remove air dam over intercooler (if equipped) and factory tow hooks (set aside)
- 6 Remove OE bumper bracket and under-run guard and set aside hardware.



NOTICE
THE FOLLOW
APPLY ONLY
TO DIESEL
TRUCKS. SKIP
AHEAD NOW
IF YOU HAVE
A GASSER.

DIESEL MODELS ONLY BELOW

- A Remove intercooler brackets both sides (3 bolts each) top bolt access from above
- B Once removed push the intercooler down and away to remove double nut plates one side at a time. The driver side is more difficult and requires patience and persistence. Then re-install intercooler supports.



7 Reinstall intercooler air dam (if equipped)

8 Install Road Armor brackets onto frame using factory hardware. Tighten enough to where the brackets are still adjustable.

9 Install bolt tabs into bumper assembly and secure with 1/2" retainer nuts.

10 Install lights and sensors (if equipped at this point)

11 Line up bolt tabs to the same location on each slot for ease of installation. Have 2 people or using a hoist/jack install the bumper onto the frame brackets. Install flat washer, lock washer, then nut onto the bolt tabs.

12 Adjust the front/rear alignment and tighten factory hardware on the frame. Adjust the left/right and up/down alignment and tighten the (8) 1/2" hardware holding the bumper to the brackets.

13 Re-install grill and dust shield.

