

HEAVY DUTY BUMPER INSTALLATION

2010-2014 FORD Raptor

AL-FBM50FDN-RT

7/16/20

Hardware Kit Includes:

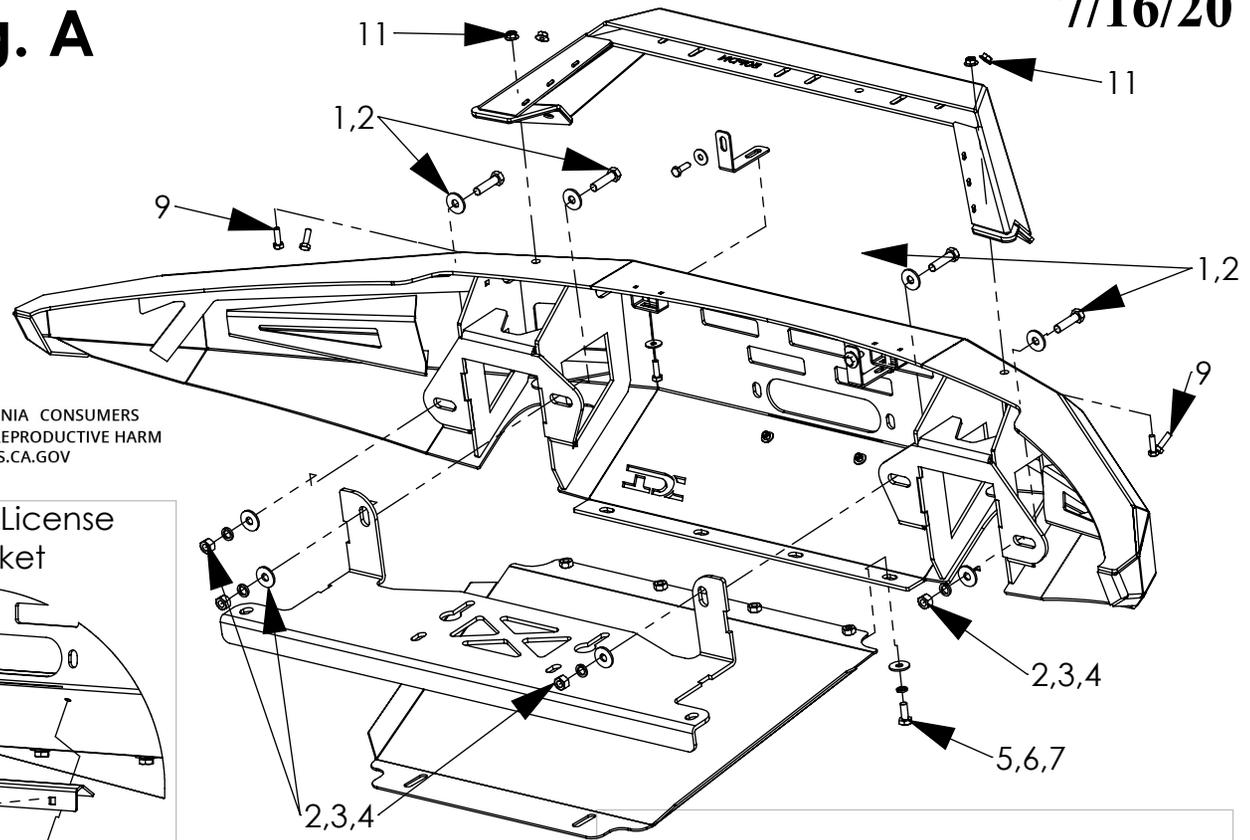
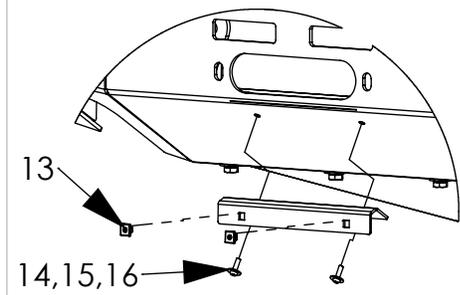
- (1) 4— M12-1.75 x 45MM Hex Head Bolt
- (2) 8— M12 Flat Washer grade 8 OD 32mm
- (3) 4— M12 lock washer grade 8
- (4) 4— M12-1.75 Hex Head Nuts
- (5) 4— M10-1.5 x 25MM Hex head bolt
- (6) 4— M10 Flat washer OD 30mm
- (7) 4— M10 lock washer zinc
- (8) 4— 8mm Spring nuts - 1.25
- (9) 8— 8mm x 25mm x 1.25 Hex Head Bolts
- (10) 8— 8mm flat washers OD 24mm
- (11) 4— 8mm Flange Nuts
- (12) 8— M12 Plastic Push Nuts
- (13) 2— Square Plastic License Plate Nuts
- (14) 4— M6 Flat Washers OD 18mm
- (15) 2— M6 Hex Button Head Bolts 20mm
- (16) 2— M6 Nylock Nuts

Fig. A



ATTN: STATE OF CALIFORNIA CONSUMERS
WARNING: CANCER AND REPRODUCTIVE HARM
-WWW.P65WARNINGS.CA.GOV

Optional Front License Plate Bracket



Components List:

- 1 – Heavy Duty Bumper
- 1 – License Plate Bracket
- 2 – Support L-Brackets (BP5036)
- 1 – Steel Skid Plate (BP5037)
- 1 – Winch Plate (BP5001)

Removal

**LOOSE FIT ALL COMPONENTS.
DO NOT TIGHTEN UNTIL ALL
COMPONENTS ARE INSTALLED
AND ADJUSTED.**

**DISCLAIMER: USE ONLY COMPONENTS
AND HARDWARE SUPPLIED BY ICI.
NO SUBSTITUTIONS.**

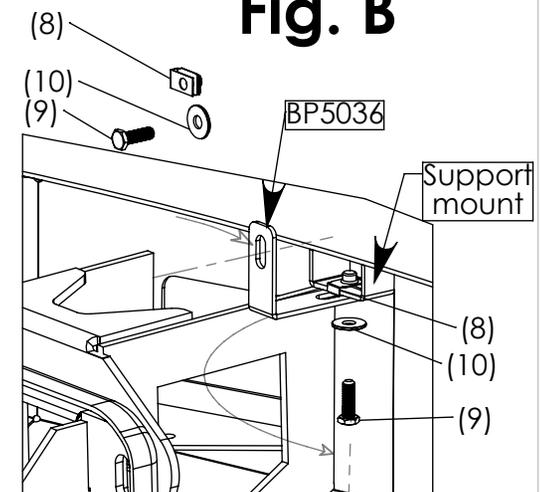
STEP 1. Open hood of truck, locate & remove (2) inner 10mm bolts attaching hood latch mechanism to front bumper from the inside. One located on either side of the latch mechanism. Position this aside for now.

STEP 2. Remove plastic trim push tabs from the back side of the bumper holding the splash guard in place. Leave splash guard attached to the core support area. (If so equipped)

STEP 3. Remove the (4) 21mm head retaining nuts attaching the bumper assembly at the frame. Remove by lifting up from the bottom and outward.

STEP 4. Remove the factory tow hooks and save for re-installation along with all the tow hook mounting hardware.

Fig. B



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Installation:

- STEP 1.** Remove all components from their packaging and inspect hardware to ensure you have the correct amount. Lay bumper on a blanket or cardboard to prevent damaging the powder coat finish.
- STEP 2.** If you have purchased lights to install, we recommend doing so before installation onto the vehicle. Utilize hardware provided by the light manufacturer. Leave slightly loose for adjustment after completing the bumper installation.
- STEP 3.** Once lights have been installed; lift and support the Alumilite bumper up onto frame of the vehicle, bolt in place using 2 of the supplied M12x45mm Hex bolts (1), washers (2), lock washers (3) and nuts (4) using the outer two mounting holes and into the corresponding factory bolt holes, leave loose. (See Fig. A).
- STEP 4.** Align the bumper and once satisfied, snug the two outer M12 bolts to the frame.
- STEP 5.** Next, install two of the supplied 8mm spring speed clips (8) onto the short side of both support L-brackets (BP5036). Attach the remaining two clips onto the welded support mount on the bumper. (See Fig. B). The support L-brackets (BP5036) attach to the welded support mounts using 8mm hex head bolts (9) and flat washers (10) located inside/top of the bumper (See Fig. B). Now attach L-brackets (BP5036) into the pre-existing factory holes located just outside of the hood latch mechanism, using the remaining 8mm hex head bolts (9) and flat washers (10). Adjust and tighten the latch support bracket bolts.
- STEP 6.** Next you will install the supplied winch mount plate (BP5001) by aligning the two upward mounting points with inside mounting holes of the frame and front bumper. Attach using the remaining M12x45mm Hex head bolts (1), lock (2) and flat washers (3). Align and attach rear mounting holes using the factory (12mm) bolts and spring nuts that were removed from the factory skid plate. Once aligned tighten all four mounting points.
- STEP 7.** Re-using factory tow hooks and tow hook hardware, line up with bottom holes in bumper/frame brackets and install (4) bolts and welded nut tabs, adjust and tighten.
- STEP 8.** Install winch with the hood open and lower in from top downward onto the winch plate, attach using hardware supplied with your winch. Follow winch manufacturer's installation, wiring and safety instructions. Attach fairlead to the front of the bumper using hardware supplied with the winch. Feed winch cable through the fairlead and attach hook.
- STEP 9.** Next install the supplied Skid Plate (BP5037). Place the front of the Skid Plate (BP5037) on top of the lower lip of the bumper (Note: M10 welded nuts face upward) then raise and align the two bottom slotted holes with bottom holes used by the old factory skid plate. Attach two of the factory 12mm bolts to hold the skid plate in place, **HAND TIGHTEN ONLY**. Now using the supplied M10 hex bolts (5), lock washers (7) and flat washers (6), attach the front of the Skid Plate (BP5037) to the bumper, take care not to force or cross thread the bolts. (Note: make sure nut threads are free of paint or other debris before threading) Once all four M10 bolts are started you may tighten all six attaching bolts.
- STEP 10.** Recheck that all hardware is properly torqued. Spool winch cable in attaching hook end to either one of the factory tow hooks. **DO NOT POWER WINCH HOOK INTO FAIRLEAD** This can cause damage to the winch and bumper.

You are now finished, Thank you for purchasing and enjoy your new **ICI Alumilite Bumper**.