

Heavy Duty Front Bumper

2017 Ford Raptor (With/Without Adaptive Cruise Control)

AL-FBM35FDN-RT

1/21/21

Hardware Kit Includes:

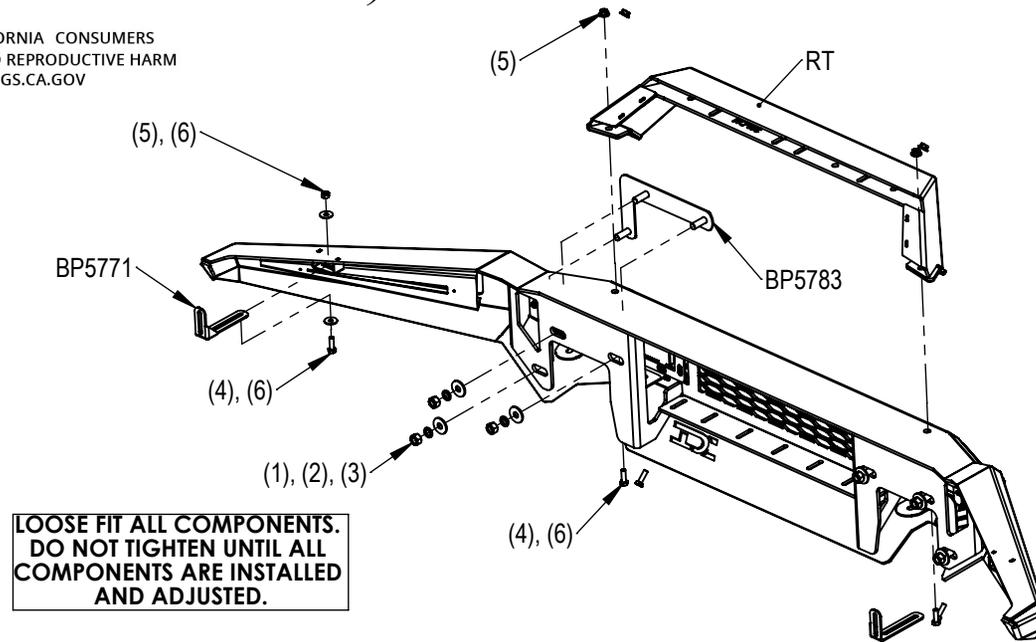
- (1) 6 – Hex Head Nuts (M12-1.75) Grade 8.8
- (2) 6 – Lock Washers (M12) Grade 8.8
- (3) 6 – Flat Washers (M12) Grade 8.8
- (4) 14 – Hex Head Bolts (M8-1.25 x 25mm) Grade 8.8
- (5) 8 – Flanged Hex Head Nuts (M8-1.25) Grade 8.8
- (6) 12 – Flat Washers (M8) Grade 8.8
- (7) 6 – Nylon Locking Nuts (M8-1.25) Grade 8.8
- (9) 6 – M12 Plastic Push Nuts



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WARNING: CANCER AND REPRODUCTIVE HARM
-WWW.P65WARNINGS.CA.GOV

Components List:

- (1) 1 – Alumilite Front Bumper (AL-FBM35FDN-RT)
- (2) 2 – L Bolts (BP5783)
- (3) 2 – Support Tabs (BP5771)
- (4) 1 – RT Light Mount
- (5) 4 – RT Light Mount Hole Plugs
- (6) 2 – RT Light Mount Gaskets
- (7) 2 – License Plate Hole Plugs
- (8) 2 – Bolt-On Front Panels (Driver/Passenger BP5753)
- (9) 2 – Rocker Armor Filler Panels (Driver/Passenger BP5758)
- (10) 1 – Small Adaptive Cruise Adapter Plate (100522)



Step-by-Step Installation Instructions

1. Begin by removing the black cover panel over the radiator and attached to the grille. Using a trim tab removal tool, or equivalent, remove the plastic push tabs securing the panel, save the panel and tabs for re-installation after the Alumilite Bumper has been installed. (See Page 2/3 for Images).
2. Remove the factory grille from the vehicle. To remove the grille, it is necessary to first remove the front headlight surrounds to gain access to the inside mounting clips. First remove the fender flare retaining screws located just inside of the front fender wheel (if equipped with factory flares) and pull the front corner of the flare away from the vehicle. Now you can unsnap the headlight surrounds from around the headlamps and from behind the fender flare (remove both sides before proceeding). Set surrounds aside for reinstallation later. Next remove the factory grille from the vehicle. Begin by unplugging the wiring harness plugs to the grille shutters (if equipped). Remove (2) lower hex head bolts, One on each side of grille assembly behind the headlight filler panel. Remove hex head retaining bolts along the top of the grille at the core support first, then gently pull outward on either side of the grille to release the four inner plastic tabs holding it in place. Use extra care not to damage the tabs or the grille itself. (See Page 2/3 for Images).
3. Remove the plastic trim cover from the front face of the bumper. Gently pry from one edge until the cover releases. It may be helpful to apply pressure from the backside of the bumper. Careful not to scratch the OE bumper. (See Page 2/3 for Images).
4. (If Equipped) you will now need to remove the Adaptive Cruise Control Module from the front bumper assembly (careful not to drop or damage this as it is fragile). To remove this module, you will need to remove the (2) Hex Head Bolts from the front face attaching it to the bumper assembly, then you will need to remove the (2) Hex Head bolts on the inside top edge of the bumper assembly. After all (4) bolts have been removed you should be able to safely remove the sensor module from the bumper. Set this somewhere safe for re-installation later. Remove sensor from the factory sensor bracket.
5. Remove the bumper assembly from the vehicle. Remove plastic filler panel attached between the bumper and core support, disconnect wiring harnesses attached at the front bumper. Remove (2) factory side support straps using a ratcheting style combination wrench or equivalent. Space is very limited so take your time and use patience. Unbolt the front bumper by removing the 4 bolts (2 per side) holding the OE bumper to the frame. Remove 2 more bolts (1 per side) from behind the OE bumper. Be careful not to drop the bumper when all bolts are removed. With help, carefully remove the OE bumper from the truck and set aside.
6. Now that the factory bumper assembly has been removed, (if equipped) you will need to take the driver side bolt-on front panel assembly (BP5753) and re-install the factory adaptive cruise control module using (Pg. 4) of the installation instructions.
7. If your truck is not equipped with the adaptive cruise control module (refer to Pg. 5) of the installation instructions on how to mount aftermarket lighting into the bumper.
8. After all lighting solutions and (if equipped) adaptive cruise module have been installed (Refer to Pg.6) of installation instructions to install bolt-on front panels to the AL-FBM35FDN-RT front bumper. you are now ready to install the Alumilite front bumper by installing the provided L-bolts (BP5783) inside the bumper. Now with help align the bumper to the mounting holes on the frame of the truck and lightly tighten using the provided M12 hardware.
9. Now that the bumper is installed, you will need to remove the hardware from the outer core support shown on (Page 3). Attach BP5771 to bumper using provided M8 Hardware, loosely fasten. After you loosely fit BP5771 to bumper you will reuse the hardware previously removed in this step and attach BP5771 to the outer core support.
10. Once all the hardware has been installed, adjusted the bumper to the truck, side/side and up/down until you are satisfied, then fully tighten all hardware.

AL-FBM35FDN-RT

11/04/20



Step 1.
remove radiator cover panel



Step 4.
Headlight surround removal.



Step 2.
Unplug grille shutter harnesses



Step 3.
Fender flare retaining bolts

Step 5.
Grille removal



AL-FBM35FDN-RT

11/04/20



Step 7.
Remove plastic cover attached to back of bumper

Step 6.
Grille retaining tabs two per side



Step 8.
Remove Plastic Trim Cover.



Step 10.
Lower bumper retaining bolts



Step 9.
Remove Factory Side Supports.



Step 11.
Remove Factory Outer Core Support Bolt.



Heavy Duty Front Bumper

2017 Ford Raptor Eco Boost (With Adaptive Cruise Control)

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11/04/20

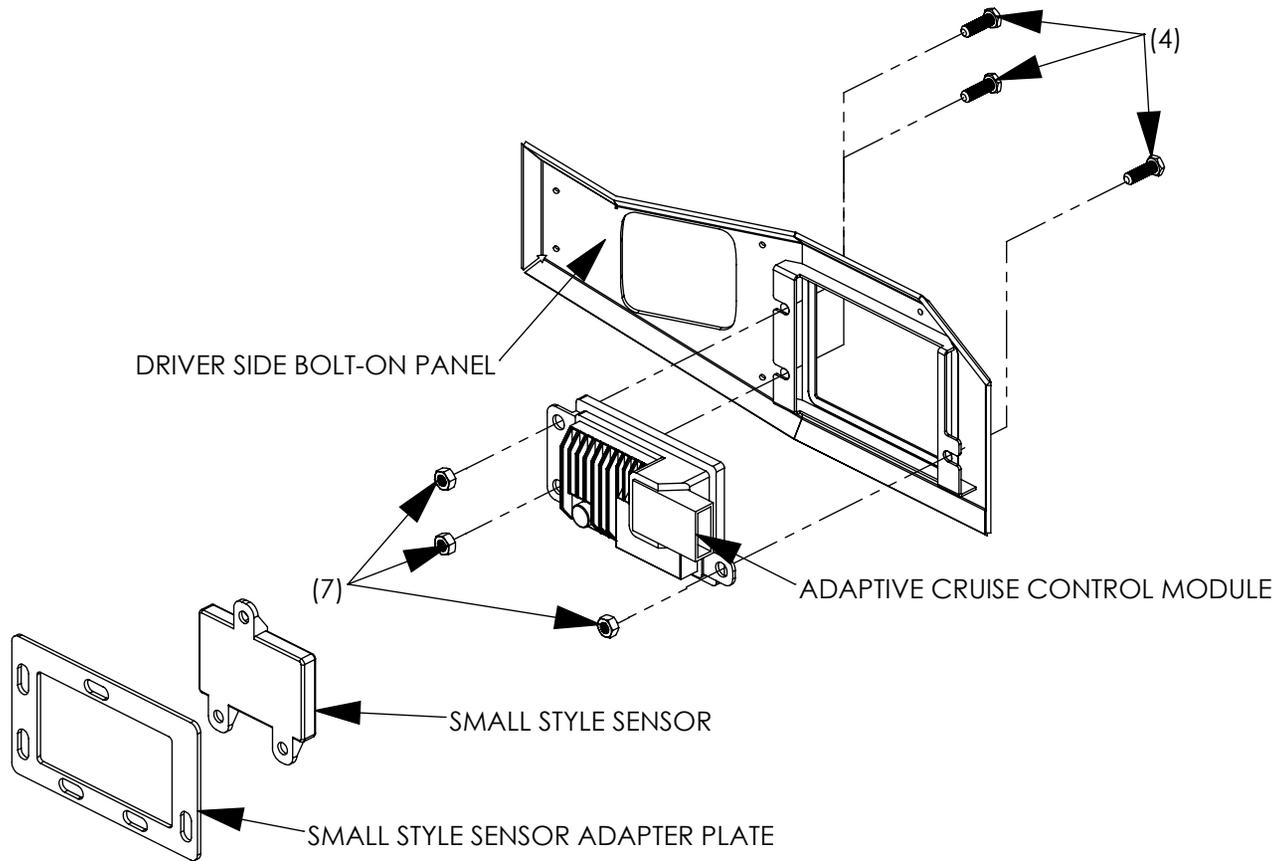
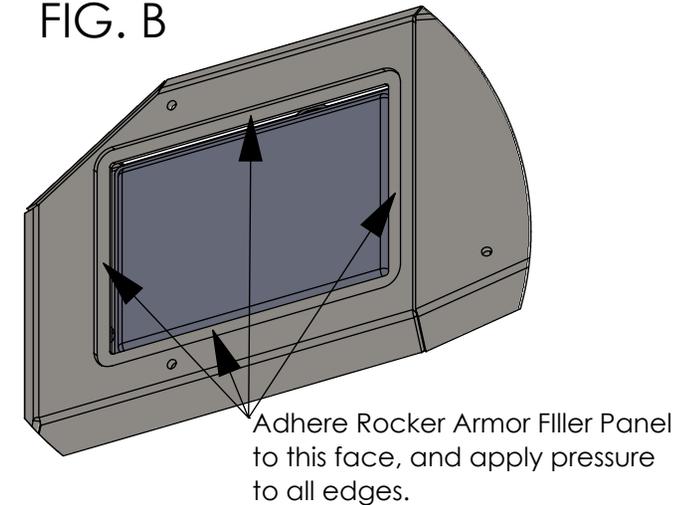


FIG. A



FIG. B



Step-by-Step Installation Instructions

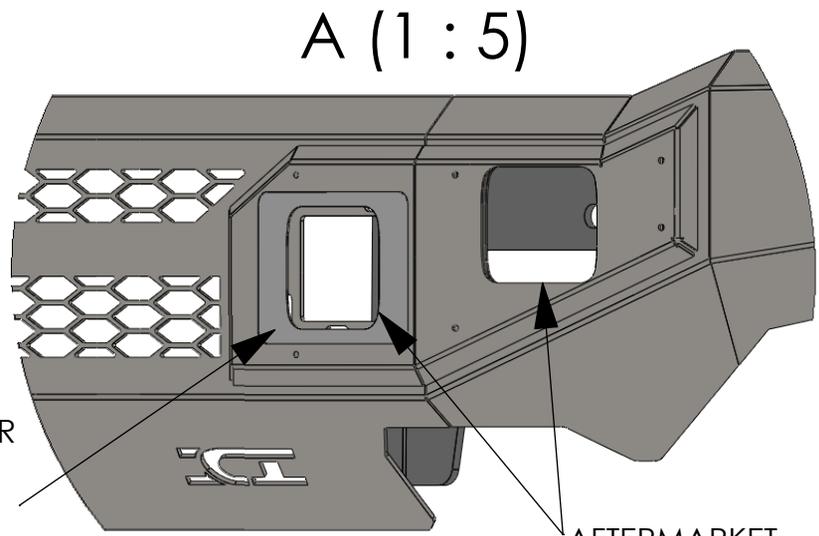
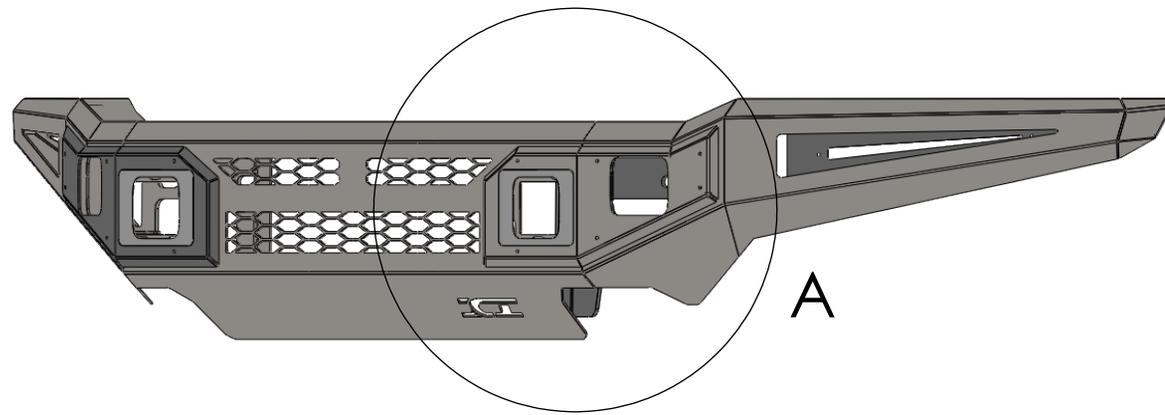
1. First, you will take your driver side bolt-on front panel (BP5753) along with your adaptive cruise control module and attach them using the provided M8 bolts and nylon locking nuts. Center the module in opening and tighten.
2. Take the provided rocker armor filler panel (FIG. A) and attach it to the front recessed lip and firmly press around all edges. Repeat this a few times over to ensure it properly adheres. (FIG. B)
3. For the final step, take the bolt-on front panel and attach it to the Alumilite bumper using the provided M8 hardware, following the instructions on Page 5.

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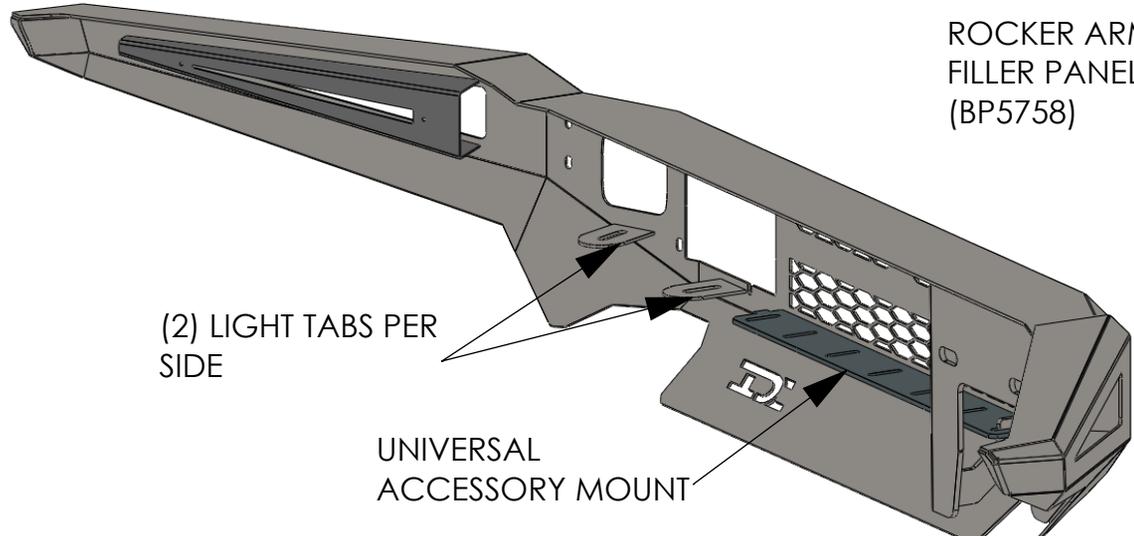
2017 Ford Raptor Eco Boost (Without Adaptive Cruise Control)

11/04/20



ROCKER ARMOR
FILLER PANEL
(BP5758)

AFTERMARKET
LIGHTING



(2) LIGHT TABS PER
SIDE

UNIVERSAL
ACCESSORY MOUNT

Step-by-Step Installation Instructions

1. ICI recommends installing all lights prior to installing bumper to vehicle.
2. The AL-FBM35FDN-RT is equipped with 2 light tabs on each side, as well as a universal accessory mount behind the center plate. **(Use of the universal accessory mount is at your own risk. ICI is not responsible for any damages to vehicle with use of this as a light mount, due to the possibility of reduced air flow to the intercooler.)**
3. When installing square lights into their locations, ICI recommends aligning bolt-on front panels into their mounting holes to ensure lights sit flush with outside face of the Panels.
4. If you are installing a light where the adaptive cruise module would go, use the BP5758 and cut out the profile of the light. This can be used as a trim piece for the light.
5. Wire all lighting and accessories following manufacturers specifications, ensure when installing bumper all harnesses are still accessible.