

HEAVY DUTY BUMPER INSTALLATION

2013-2018 Dodge Ram 1500 Sensor/Non-Sensor

AL-FBM96DGN-RT

7/16/20

Hardware Kit Includes:

- (1) 14 – Hex head Nuts (M10-1.5) Grade 8.8
- (2) 14 – 10mm Lock-washer Grade 8.8
- (3) 28 – 10mm Flat-washers Grade 8.8
- (4) 14 – Hex Head Bolt (M10-1.50 x 35mm) Grade 8.8
- (5) 4 – Hex Head Bolts (M8-25mm) Grade 8.8
- (6) 4 – 8mm Flat Washers (24mm OD) Grade 8.8
- (7) 4 – 8mm Flanged Hex Head Nuts Grade 8.8

NOTE: ALL M10 x 1.50 x 35mm Hex Head Bolts Mounting Outside Bracket (BP5594) To Magnum Bumper Must Face Towards Center Of Bumper To Allow Space For Lighting.

Components List:

- (1) 1 – Heavy Duty Bumper
- (2) 2 – Outside Bracket (BP5594)
- (3) 6 – Plastic Sensor Plugs
- (4) 4 – Bumper/Bracket Insulator (100299)
- (5) 1 – RT Light Mount
- (6) 2 – RT Light Mount Foam Gaskets
- (7) 4 – RT Light Mount Hole Plugs
- (8) 2 – License Plate Hole Plugs



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Fig. B - Outside Bracket Driver Side

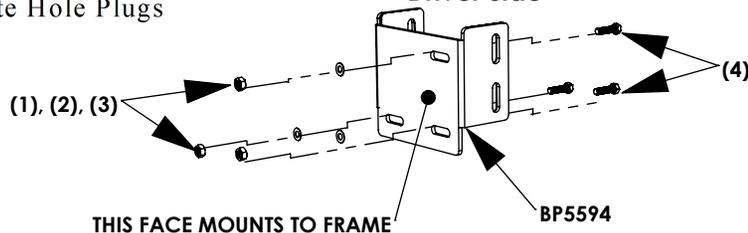
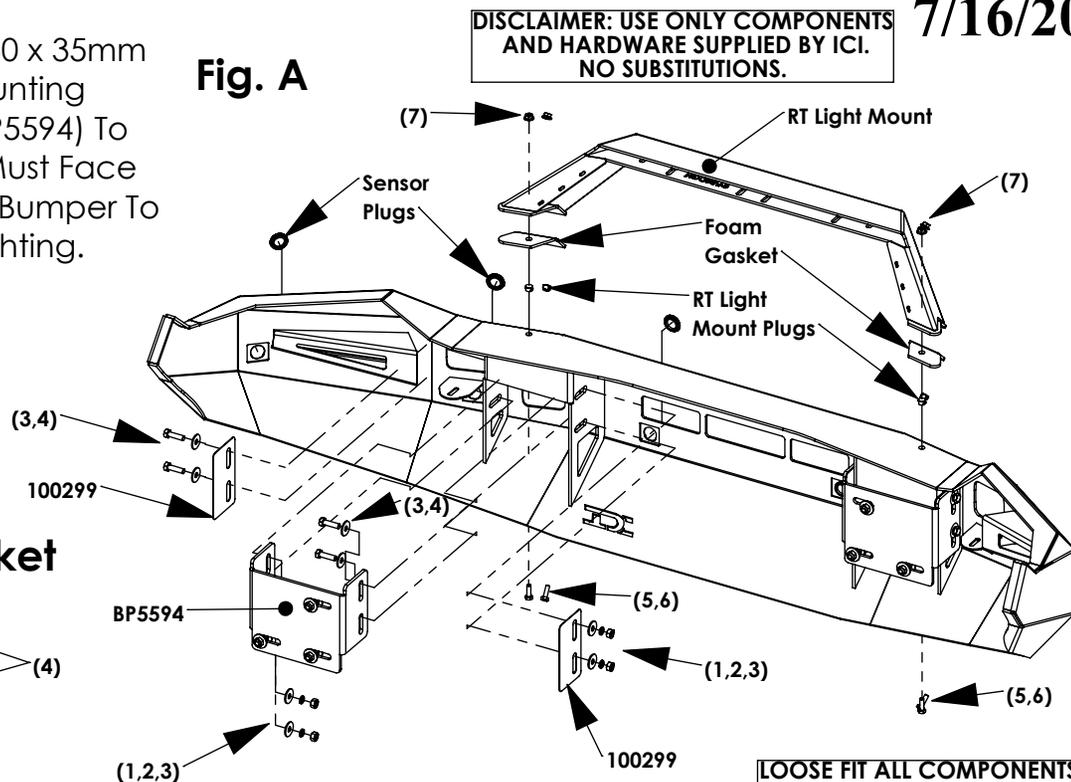


Fig. A



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

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

- STEP 1.** Open hood of vehicle and disconnect negative battery terminal. Open instructions, read carefully to get a complete understanding of the installation before proceeding. Inspect hardware kit for completeness before beginning installation.
- STEP 2.** 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 six plastic push tabs securing the panel, save the panel and tabs for re-installation after the Magnum Bumper has been installed.
- STEP 3.** Next you will need to unplug the fog lamp plug from the rear of the lamp assembly, (if so equipped) and move the wiring harness out of the way.
- STEP 4.** Now you will need to remove the factory grille from the vehicle. Remove the 10mm hex-head screws securing it to 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. You may use a trim tab tool to aid in this process, taking extra care not to damage the tabs or the grille itself. Set grille aside and out of the way for re-installation after the stock bumper has been removed.
- STEP 5.** Next you will need to remove both headlamp assemblies from the vehicle. Begin this process by removing the front portion of the inner fender well liner. You will need to do so in order to gain good access to the rear headlamp mounting tab as well as the bolts securing the valance to the fender. Remove enough of the screws to allow you to pull the liner far enough away from the fender to gain good access. Locate the white plastic tab inside the inner fender and just behind the headlamp, push up on the tab to release the rear mounting tab. Next unbolt the two 8mm hex head screws towards the front of the headlamp assembly and save. Now gently pull outward on the headlamp to remove, unplug harnesses from rear of lamp and set the lamps aside and out of the way. Use care when removing the headlamp assembly.
- STEP 6.** Now it is time to remove the bumper assembly. First remove the two outer 10mm hex head bolts attaching the valance panel to the fender (Sport Bumper). **Photo A** Remove the splash guard and put aside. Next remove the two 10mm hex head bolts just below the headlamp (**Photo B**) and then the six-hex head flanged-nuts attaching the bumper to the frame and remove the bumper assembly. Once the bumper has been removed it will be necessary to remove the valance support panels from the core support. Unbolt and set aside these pieces, you will not be re-using them.

Photo A



Inner fender well

Photo B



Below headlamp

- STEP 7.** Next re-install the headlamp assemblies and the front grille assembly re-using the factory mounting hardware. **Do this before attempting to install the Alumilite bumper.**
- STEP 8.** Once the headlamps and the grille have been reinstalled, you may proceed with the bumper installation. Start by placing low-tack masking/painters' tape along the bottom edges of the headlamps, grille and fenders to help prevent them being scratched during the bumper installation.
- STEP 9.** If you are installing the RT Light Mount, install it now using the provided M8 hardware. If you are not installing the RT light mount, install the provided plastic plugs.
- STEP 10.** Install the (2) Outside Brackets (BP5594) to the frame using (6) of the provided M10 x 1.50 x 35mm Hex Head Bolts. With help lift the Alumilite Bumper and align with the previously mounted Outside Brackets (BP5594). Place (2) plastic insulators (100299) inside of each outside bracket so that when the bumper slides into the bracket the plastic will isolate the steel and aluminum parts. Attach using the Remaining (8) M10 x 1.50 x 35mm Hex Head Bolts, flat washers and lock washers (supplied) (Refer to Fig. A). **NOTE:** M10 x 1.50 x 35mm Hex Head Bolts Mounting Outside Brackets to the Bumper must face inwards to center of Aluminum bumper to allow proper space for Lighting. Align bumper from side to side and snug hardware. Check alignment between the headlamp, grille and outer fenders. Due to inconsistencies in the way the truck body and frame are aligned from the factory, we have provided (Photo A) to locate factory bolts to adjust the fenders to fit the Aluminum Bumper (if necessary). There should be appx. an 1/8" gap between the top corner of the bumper and the back, bottom edge of the headlamp. This clearance is needed to prevent the headlight from running into the bumper under normal frame/body movement.
- STEP 11.** If your bumper has sensors install them now in the locations that they were removed from the factory bumper. Route the wire harness through the internal brackets and secure with zip ties. If you do not have sensors, use the provided plastic plugs to fill the sensor holes in the bumper.
- STEP 12.** Install lights (not included) into the bumper and wire according to light manufacturer instructions.
- STEP 13.** Once the bumper is properly aligned to your satisfaction, tighten all hardware completely. Re-torque after 100 miles and then periodically.