

# HEAVY DUTY BUMPER INSTALLATION

15-19 GM Pickup 2500/3500 & 14-18 GM Pickup 1500

# AL-RBM95CHN-KC

7/16/20

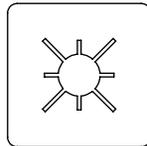
## Hardware Kit Includes:

- (1) 6 – Hex head bolts (M12-1.75 x 40mm) Grade 8
- (2) 14 – Lock washers (M12)
- (3) 20 – Flat washers (M12)
- (4) 14 – Hex head nuts (M12-1.75) Grade 8
- (5) 2 – Hex head bolts (M8-1.25 x 40mm) Grade 8
- (6) 2 – Lock Washers (M8)
- (7) 4 – Flat washers (M8)
- (8) 2 – Hex head nuts (M8-1.25) Grade 8
- (9) 4 – Plastic license plate nut
- (10) 8 – M12 Plastic push-nuts

## Components List:

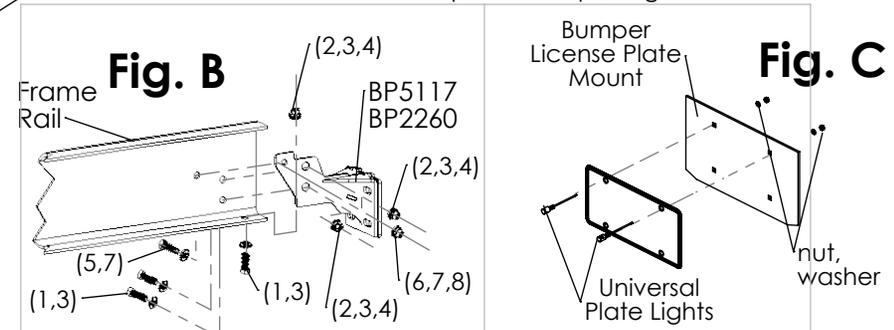
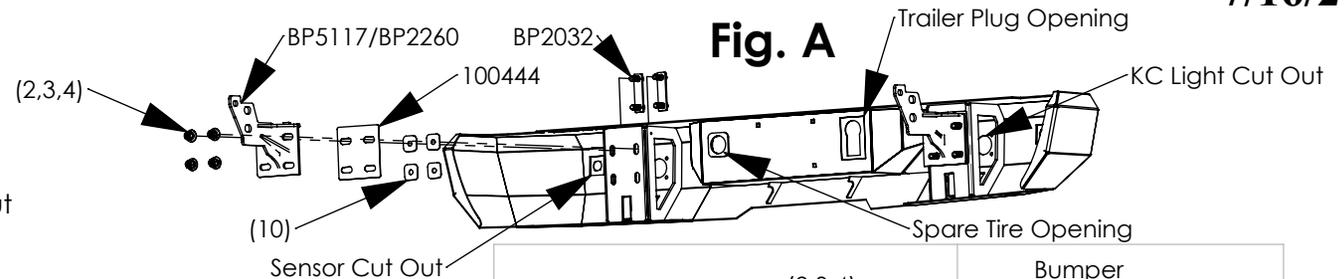
- 1 – Heavy Duty Rear Bumper
- 1 – Universal LED license plate lights with hardware
- 2 – Mounting brackets (BP5117) 2015-2019 2500/3500's
- 2 – Mounting brackets (BP2260) 2014-2018 1500's
- 4 – T-bolts (BP2032)
- 1 – Square plate (BP2201)
- 2 – Inside/Outside Bracket Isolator (100444)
- 4 – Rubber Sensor Hole Plugs

M12 push-nut



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

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



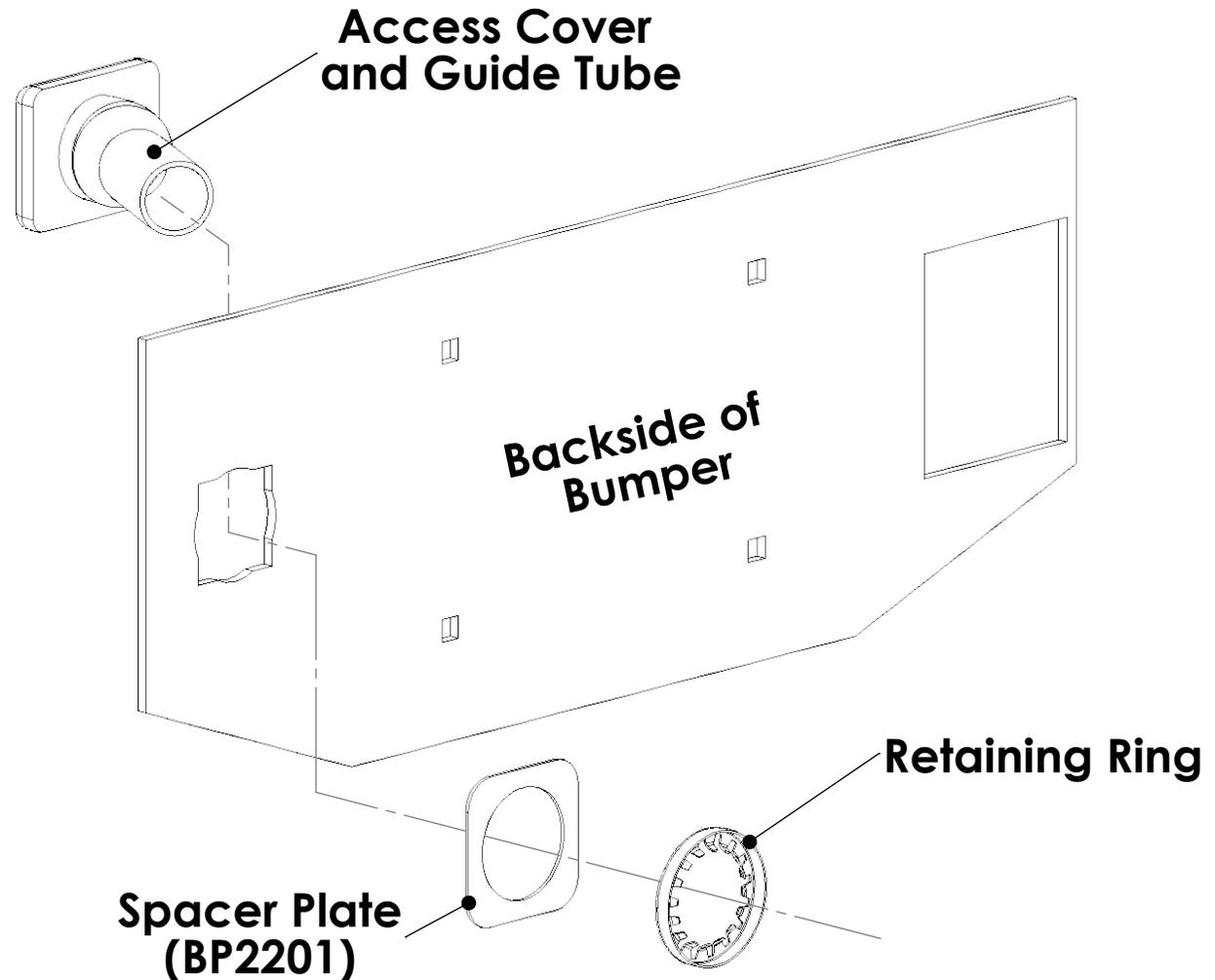
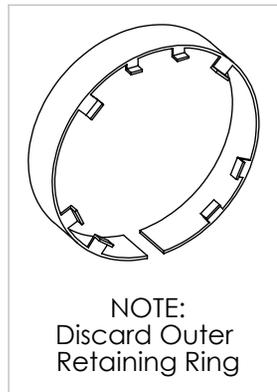
- STEP 1:** Read and understand instructions completely before beginning installation. If you have installation questions, contact ICI Customer service @ 1-800-626-8746
- STEP 2:** Remove license plate, unlock and remove spare tire locking assembly and set aside for reinstallation into the new Alumilite bumper. Remove factory spare tire and put out of the way. Remove the factory spare tire access cover and guide tube from the factory rear bumper (*Refer to page 2 instruction*).
- STEP 3:** Unplug trailer wiring harness from rear of trailer plug in bumper, take care not to damage during removal. Unplug plate light and backup sensor harness plug located on the upper rear on the driver side frame rail. Next, remove the receiver hitch by removing the (8) mounting bolts, (6) at the frame and (2) at the bumper. Remove the hitch completely and put aside for reinstallation later on. Begin removal of the stock rear bumper by removing the factory t-bolts from the sides of frame rail and 2 bolts from bottom of frame rails, one on each side. **Note: Make sure to support bumper BEFORE removing bolts.** Lower and remove bumper.
- STEP 4:** Remove all Alumilite bumper components from the box and layout on blanket (to prevent damage to the powder-coating). Inspect hardware kit for completeness, read instructions thoroughly and completely before proceeding.
- STEP 5:** With the bumper removed from the vehicle, now carefully remove the backup sensor wiring harness from the sensors and out of the bumper and put aside (if equipped). Remove the individual sensor from the plastic retainers by gently prying outward on the tabs and put aside. Next remove the plastic sensor bezel from the bumper by pushing inward on the tabs and gently remove. Take note of orientation of the bezels and the angle that they are positioned at in the bumper. You must put them in the Alumilite bumper at the same angle as the stock bumper for them to function properly. Snap them into the locations provided in the Alumilite bumper and then reinstall the sensors. If you do not have sensors install the supplied rubber plugs into the sensor holes.
- STEP 6:** Install factory spare tire access cover and factory trailer plug into cutouts provided in the Alumilite rear bumper, making sure that they “Snap” into place. Install plastic license plate nuts in location shown on rear bumper (Fig. A). Install license plate light to license plate mounting holes using factory screws as shown (Fig. C).
- STEP 7:** Insert supplied T-bolts BP2032 inside bumper mounting bracket as shown (Fig. A) secure with plastic push nuts. Loosely attach mounting brackets to inside bumper mounting brackets and t-bolts BP2032 using lock (2), and flat (3) washers and hex head nut (4) as shown (Fig. A). The plastic isolator (100444) should be placed between the bumper mounting face and the outside bracket to isolate the steel and aluminum parts.
- STEP 8:** Carefully align mounting brackets with the frame (it may be helpful to support bumper with floor jacks during install). **Note: be sure to align tire access cover with guide tube.** Bolt bumper assembly to the frame using M12 hex head bolts (1), lock (2), and flat (3) washers and hex head nuts (4) to the bottom two holes on side of frame and hole in bottom of frame rail as shown (Fig. B). Use M8 hex head bolts (5), flat (6), and lock (7) washers, and hex head nut (8) on upper hole of frame and bracket as shown (Fig. B).
- STEP 9:** Expose hot wire on factory license plate light wire harness by removing electrical tape and trimming loom 1/2". NOTE: repeat step for ground wires. Connect supplied LED license plate light wires to exposed wires in wiring harness using supplied scotch-lock connector. Turn on lights to ensure proper plate light function.
- STEP 10:** Check fit and alignment:
- Adjust the bumper and tighten all fasteners; beginning with frame mounts then tighten all mount to bumper fasteners. Make sure tailgate clears bumper.
  - Plug in license plate light harness and trailer harness, secure wires to frame rails.
  - ICI recommends that you re-torque all hardware periodically after installation to maintain proper fit.

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*Actual bumper  
may vary slightly  
from picture*



## Step by Step Installation Instructions

**STEP 1:** Remove access cover and retaining ring from factory bumper by gently prying plastic away from bumper and slightly bending teeth of ring to release access cover.

**STEP 2:** Place spacer plate BP2201 between backside of bumper and retaining ring. Adjustment may be necessary to teeth of retaining ring for reinstallation on new bumper.

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