

RELENTLESS FAB 2017+

COLORADO ZR2

FRONT BUMPER

INSTALLATION GUIDE

THANK YOU FOR YOUR PURCHASE!

Note: we recommend professional installation on all of our products. Please fully read install guide prior to attempting installation to ensure you have a complete understanding and all required tools and procedures. If you are not confident in your ability to complete the procedure please seek professional installation. Be aware that the bumper is heavy (about 125lbs *without* a winch)! You will need 2-3 people to lift the bumper into position to secure it to the vehicle. **We assume no responsibility for any injury or property damages from installation or use of our bumper.**

TOOLS/PARTS REQUIRED:

- ½" Drive Ratchet (or a 3/8" may work)
- Deep/shallow sockets and drive Extensions, plus standard or ratchet wrenches
- Torx bit set and driver
- Strong scissors/shears, or Razor
- Rotary cutting tool: small angle grinder, dremel, Pneumatic cutoff saw, etc.
- Masking tape
- Wiring tools/connectors/etc for any accessories you plan to install.

INCLUDED HARDWARE:

- 2) 1/4x1" bolts, with 2 nyloc nuts and 4x washers for fog light install
- 2) double slotted L brackets for fog light mounting
- 2) 7/16"x1.5" grade 8 bolts, nuts and washers
- 2) 3/16" steel plate frame reinforcement brackets
- 2) M10 bolts + Aluminum spacers

We always recommend working on a clean and dry vehicle. We STRONGLY recommend wearing safety glasses throughout the install process to keep debris from within the bumper/fenders from falling into your eyes while under the truck, as well as for protection when cutting the bumper cover plastic.

Read each step of the install procedure fully before beginning that step. With the vehicle parked on level ground, transmission in park, and parking brake securely set begin the install process:

STEP 1:

Removal and preparation:

While lying on the ground (use a creeper if you have one), remove the front aluminum skid plate via 4 bolts and set it and the hardware aside for later reinstallation.

Next remove all of the torx fasteners along the bottom of the bumper cover that are securing it to the supports behind the cover.

From here we need to release the sides of the bumper from the wheel well liners at the front fender wells. Locate the additional torx fasteners and clips at the front of the fender wells and remove any screws not yet removed prior, up to the screw at the beginning edge of the fender flares. After all of these fasteners have been removed, free the bottom of the inner fender well liner from the bumper cover, and then continue upward separating it slightly from the bumper cover until it is separated to just above the start of the fender flare.

STEP 2:

Factory bumper cover trimming:

To begin preparing for the installation of the new Relentless bumper we'll need to trim away the lower portion of the plastic front bumper cover and grille. We'll first cut the lower part of the grille as shown with our masking tape in the image below. For this cut we put our tape with the top edge just below where we'll cut. With your cutting tool,

trim across this area just below the angle transition on the grille, right on the top edge of our tape line shown.



From here we'll need to trim the sides of the cover under the headlights. This cut is made just below the transition from the colored headlight trim panel on the lower matte black plastic under it. We recommend using some masking tape along the edge on the colored part to help protect it during cutting, and also aid in giving a colored contrast to follow when cutting. Lay tape as shown in image below. When making these cuts the lower portion of the bumper will begin to separate and fall away as seen in the image. *Be sure not to cut too high, we can always remove more if needed, but we can't put material back if too much is cut!*



At this point we'll need to touch up, fine tune and sand down or cuts until smooth. See image below for an example of a finalized cut. We've sanded away the black plastic from the lower bumper until it just matches up with the colored portion, and cleaned up our cut at the bottom corners of the grille.



STEP 3:

Now that the lower bumper cover is trimmed off we'll removed some parts that were behind it.

First unbolt and remove the tow hooks from the frame. Save the bolts for reinstallation later, but we will not reuse the hooks. Next remove the long steel crash bar that is bolted to the frame ends. There is an additional plastic scoop piece that needs to be unclipped and removed from just above where the crash bar sat. With all of these parts removed the last parts to be removed are the thin metal support brackets that held the lower edge of the bumper cover at the connection of the wheel well liners. See the following pictures of these components being removed:





STEP 4:

Relentless Bumper install:

We are now ready to prepare your new bumper for installation!

Start by installing your fog/driving lights with the included L tabs and 1/4x1" Bolts/nyloc nuts/washers. The narrow slots correspond to the slot on the tab welded to the bumper, the larger slot is where you attach your new LED fog/driving lights for in/out adjustment within our recesses. Adjust the lights to be centered vertically and horizontally, and aimed as best as you can for now. Snug all bolts to the point that everything is secure but can still be moved with a bit of effort for adjustment once on the truck. You'll want to do final aim adjustments once the lights are wired with the bumper secure on the vehicle and then fully tighten the lights at that point.

If you're installing a light bar in the cutout, secure the light bar into the bumper now as well. If your light bar has the mount studs secure into the bar ends, use a small Allen hex wrench in the end of the stud and remove the stud. The light bar will need to be mounted into the new bumper with screws instead of the studs, the light bar should include replacement screws, if not you'll need 2) 1/4-20 screws about 5/8" long and the 2 washers from the light bar hardware pack.

Now, if you also have a winch to be installed it is time to do so. Start by installing the fairlead into the bumper fairlead recess with the hardware included with the winch. Center the fairlead into the mounting location and tighten it down. With that done bolt the winch into the mounting plate within the bumper. Note that large winches such as the Warn Zeon series are not recommended in the bumper, and some winches may need their control packs relocated off of the winch body to a new location for fit and ease of access. We usually find a secure, safe location under the hood near the battery or behind the grille of the truck.



STEP 5:

We're now ready to lift the bumper onto the vehicle and secure it. With or without a winch installed the bumper is heavy and we recommend a minimum of 2 strong people for lifting, 3 is even better! Alternately a jack or hydraulic lift table can be helpful in raising and positioning the bumper onto the truck. To aid in holding the bumper in place while additional hardware is installed we like to take one bolt on each frame plate and screw it in from the back to act as a stud to rest the bumper on until it is partially secured via other bolts.



Now lift and position the bumper over the bolts loosely secure the bumper to the truck with the additional bolt into the frame end plates- these are accessed through the cutouts in the front of the bumper. Install the 2 factory skid bolts Begin to tighten the bolts in order to raise the bumper up. Adjust to about ½ inch clearance between top of plate bumper and lower edge of the plastic cut edge under the headlights as can be seen in the image below.



Once desired height is achieved and bumper is level side to side secure the 4) frame end bolts, taking the ones that were installed from the back of the plates to aid in bumper install, and reinstalling them normally from the front to secure the bumper. With these

4 bolts tight, now remove the 2 lower skid/cross member bolts and fill any space between the tab and cross member with spare washers. Some trucks may need no washers, and some may need a washer or 2 on each side to get proper gap between bumper and plastic body parts. With washers in place we can now reinstall the skid plate. We'll use the 2 rear factory skid plate bolts, and our 2 long M10 bolts and spacers for the front 2 cross member locations. Install the included spacers over the bolt between the skid and the bumper to keep the skid edge from rubbing the bumper. Lastly, use the included 7/16" bolts, nuts, and washers and the factory tow hook bolts to secure the lower mount braces to the lower cross member of the frame as seen in the image below.



We are now nearly complete with the bumper installation. At this time re-check all fasteners to be sure they're installed tight.

Now we'll take care of the excess fender liner material hanging down. Use your shears or razor to trim away the excess material, but don't get too carried away as the engine air intake draws from inside the fenders and the liners block water from the intake. Make a diagonal cut from the lower corner of the bumper near the fender flare, angled down toward the frame. To secure the liner on the frame side, poke a small hole in the liner about ½ inch from the edge and fold the lower portion up and use a wire tie to attach it to the hole in the body mount on the side of the frame.

Lastly, run your wiring for any accessories safely and securely away from any sharp edges that could rub through the wire casings. We usually route them behind the bumper and into the cutout behind the driver side headlight to the battery. We recommend looming all wires, and securing with wire ties every 6 to 12 inches.



Congratulations on completing the installation of your new Relentless Off-Road Fabrication bumper!

We hope you enjoy your new bumper for years to come!

Be sure to re-check torque on all bolts after the first 250 miles of use, and periodically thereafter as parts can settle or rattle loose from off-road use.

If you have any questions or comments please feel free to contact us Mon-Fri 9am-5PM PST at 775-200-0544 or any time via email: Sales@relentlessfabrication.com