

-INSTALLATION TIME-

Approximate installation time: 20-30 minutes

-TOOLS REQUIRED-

- Flat & Phillips head screwdriver
- Needle nose pliers
- Non-scratching pry tool



-PARTS INCLUDED-

- Left & Right BumperShellz™



-ATTENTION-

Read and understand all instructions before installing or using this product. Your BumperShellz™ have been specifically designed to fit your truck, so no modifications to your original equipment bumper should be necessary to successfully install your BumperShellz™. If you are uncomfortable installing the BumperShellz™ yourself, please contact a qualified professional.

-PREPARATION-

- If your bumper has any significant pre-existing dents, you may want to remove the bumper and try to pound some of these out. Small dings and rust can usually be directly covered by BumperShellz™ if trim lines between plastic trim/step pad and exposed steel bumper are in their original shape. A distorted bumper will negatively affect the fit of your BumperShellz™.
- Your BumperShellz™ are assembled to your bumper by tucking the perimeter flange under the existing plastic trim pieces. It is usually sufficient to lift the edge of the trim in these areas with a non-scratching pry tool and progressively sliding the flange underneath the trim and, unless otherwise specified, should not require removal of the trim.
- Your BumperShellz™ are secured in place with 3M™ Automotive Acrylic Foam Attachment Tape. Optimal temperature for installation is between 20°C (68°F) to 38°C (100°F) and **never below** 15°C (60°F). If ambient temperature is below 15°C, a hair dryer or heat gun may be used at your discretion to warm the bumper surface. BumperShellz™ should be acclimated at "room temperature" prior to installation.
- Make sure your bumper is clean, dry, and free of debris. Use a cleaner that will remove oil/grease to clean bumper surface, followed by wiping the bonding surface areas of your bumper **thoroughly** with regular isopropyl rubbing alcohol and a clean lint-free white cotton rag or clean disposable toweling. Do not use shop rags which may have dirt or oily residues. For superior results use [3M brand Prep Solvent 70](#) or similar products available at many auto stores.

-INSTALLATION -

NOTE: We recommend Dry-Fitting all BumperShellz pieces to their specific locations BEFORE removing ANY of the red backing strips from the tape. Make sure all pieces are correct, i.e., you have received all pieces shown above, with or without sensor holes, etc., color/pattern is correct, and that all are undamaged. There should not be any (or extremely minimal) bumper surface visible once flanges are slid under trim and sensor holes (if present) are centered over sensor trim. Dry Fitting is also good practice for lining up each piece and guiding it into place, visualizing how to do it when the backing strips are removed and the tape is STICKY.

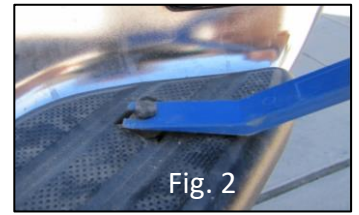
Note that once the backing is removed we cannot give full credit for return.

- Remove license plate and frame by removing two attachment screws. License plate lamps are removed by unscrewing the fastener and disengaging clips by tilting the housing. Lamp assembly is then removed by rotating it in relation to the housing (Fig. 1).

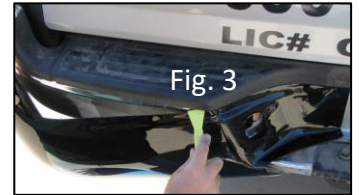


Fig. 1

- Center step pad trim is removed by removing small square covers located on top surface near each end of trim piece. A straight edge screwdriver can be used to gently pry up the covers. The clip underneath is removed by prying up center “pop-up” pin with trim tool or needle nose pliers (Fig. 2). These can be difficult to get out without damaging them and may need to be replaced. Once pin is up, pry clip fastener out of hole. Finally, (2) 10 mm bolts need to be removed that hold trim tabs to bottom of bumper.



- Begin installing BumperShellz™ by peeling off the red tape backing from strips located on the back surface. Tuck the upper flange under step pad trim, starting at the inboard end and working outboard to the corner. This is done by slightly lifting the trim edge with a non-scratching prying device and sliding the BumperShellz™ flange underneath (Fig. 3). Do not use excessive force, as this may damage your BumperShellz™. If the BumperShell is not going on with reasonable effort, a flange is probably hung up somewhere.



NOTE: Try not to allow the tape to contact the Bumper until the BumperShellz™ are properly positioned (license plate lamp cut-out aligned with cut-out on your bumper).



- Press the BumperShellz against the bumper at inboard corner where the BumperShellz wrap around the narrow area of bumper covered by the center trim piece (Fig. 4). Press down on the tape in the license plate area to hold the BumperShell in place as you reinstall the license plate lamp in the reverse order of removal.



- Pull the BumperShellz™ around corner and tuck flange up in to the trim, while trying not to allow tape to contact bumper until the BumperShell is in proper position (corner flange completely covering bumper flange – Fig. 5). Once all slack is removed between BumperShellz™ and bumper, use firm pressure on all taped areas to assure good adhesion. Rub over the taped areas firmly with a soft cloth to help ensure that it is seated securely. Repeat assembly process for opposite side.



- Reinstall center step pad trim and license plate in reverse order of removal. The added thickness of the BumperShellz™ will make this fit a little tighter, so it will take a little more force to push the trim in place and align the push-pin holes. Make sure the push-pin is properly engaged before re-installing the covers.

NOTE for Maximum Adhesion: The acrylic foam tape used to adhere your BumperShellz is “pressure sensitive”, so making sure there is sufficient pressure applied to each of the taped areas is vital to achieve optimum adhesion of your BumperShellz™ to your bumper. It is also recommended that you come back a few hours later, or the next day, to give each BumperShellz piece another pressure rub to ensure the best adhesion. Allow the tape adhesive to set up for at least 24 hours before washing your truck. Maximum adhesion is reached after 3-5 days in temperatures above 70 degrees, longer if it is cooler. Once the adhesive has fully bonded to a properly prepared bumper surface, it is nearly impossible to remove the BumperShellz without damaging them.

-CARE-

Care for your BumperShellz™ like you would any fine paint finish. Use high quality cleaning products designed specifically for car care.

- Gloss finishes:** Often times, minor scratches can be buffed out on the gloss finishes. Rubbing compounds can be used with a mechanical buffer, for deeper scratches.
- Matte finishes** are much more susceptible to abrasions, leaving a "glossy sheen" on the finish, which are generally permanent. Do not attempt to buff out scratches/abrasions on your matte finish, as this will generally make the damage worse. Avoid excessive friction when trying to remove anything stuck to the matte finish surface and keep cleaning rags/water clean and abrasive free. Abrasive brush-type car washes are not recommended, as they can abrade the Matte finish. Brushless car washes are acceptable.