

-INSTALLATION TIME-

Approximate installation time: 20-30 minutes

-SUGGESTED TOOLS-

- Flat head screwdriver
- Pliers
- Plastic pry/trim tool
- 10 mm socket/wrench



-PARTS INCLUDED-

- Left, Right, and Center 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 and/or fog lamp openings, 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 the two outermost screws and three outmost clips on both ends of the lower valence panel.
- Start with either left or right BumperShell and peel red backing off the tape strips on the back surface.



- Tuck the outboard, upper edge of the BumperShellz under the bumper top cap and continue until the entire top edge is tucked; being careful to not let the taped areas contact the bumper.
- Slide bottom edge, including tabs, between bottom of the bumper and lower valence panel, while aligning the BumperShellz with geometry of the bumper. If bumper has parking sensors and/or fog lamps, adjust the position of the BumperShellz to center sensor within the clearance hole and fog lamp within the fog lamp bezel before pressing down on the tape.

NOTE: *If the BumperShellz is not going on with reasonable effort, a flange is probably hung up somewhere. eCOOLogical cannot be held responsible for damage to trim or BumperShellz™ due to excessive force.*

- Once in proper position, press the BumperShellz™ firmly against the bumper on the taped areas from inboard-to-outboard for at least 30 seconds to make sure tape adheres to the bumper and does not trap air between the tape and bumper.
- Repeat for opposite side.
- Install the center section by removing the backing from the tape strips.
- Tuck the upper edge under the bumper top cap and center the piece between the two ends.

The offset flanges on either side of the center section should overlap with the inboard edges of the left and right BumperShellz™ and the “gaps” on the overlapping flanges should be the same when installed correctly. If park assist sensors are present, adjust the position of the BumperShellz until the sensors are centered in the holes. When properly positioned, press the taped areas against the bumper as before, also making sure firm pressure is used to bond the overlapped joints together.

- Reinstall the screws and clips to secure lower valence panel, sandwiching BumperShellz™ tabs in between.

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:** Oftentimes, 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.