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INSTALLATION INSTRUCTIONS FOR 14+ 4RUNNER LOW PROFILE FRONT BUMPER, KITS AP-309082 AND AP-309083

	NOTICE Read instructions completely before installing this product. Refer back to the instructions frequently during installation.		CAUTION Flying Object Hazard. Fluid Splash Hazard. Wear safety glasses at all times when working on vehicle.
 WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov			



AP-309077



1. Remove the clips holding the upper radiator cover to the body by pushing down on the centers of the clips and then lifting upwards. Remove the upper radiator cover.



2. Remove the left and right clips holding the upper section of the front bumper to the body. Remove the 10 mm bolt in the center of the front bumper. Remove the (4) clips holding the middle of the front bumper to the radiator support.





3. Remove the screws holding the bottom of the bumper to the inner fender liners and frame. There are (3) screws holding the bumper to the inner fender well on each side and (7) screws holding the bottom of the front bumper to the frame.



4. Starting at the sides closest to the wheels remove the front bumper by pulling the bumper away from the body of the 4Runner as shown. The plastic snaps retaining the bumper are along the top of the bumper where it meets the body and lights. Be careful that you do not pull too hard and bend the bumper or the plastic snaps. As you are pulling the bumper away from the vehicle disconnect the fog lights on each side, if applicable.



5. Using masking tape, layout the cut lines for the bumper as shown. The left and right cutting lines should follow the inner edge of the bottom bulge of the bumper leaving about a ¼" lip. Continue that line upwards leaving about ¼" lip between the cutting line and the inner profile of the bumper. The upper horizontal cutting line should be about 1/4" below the edge just below the grille.



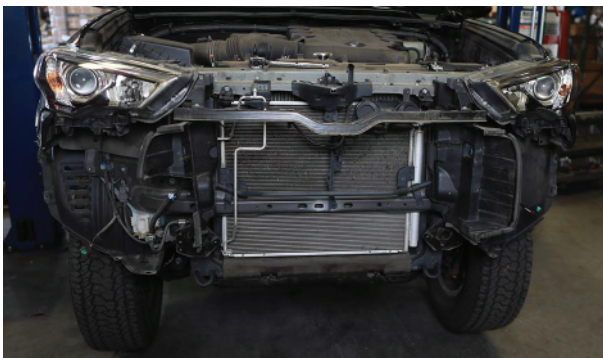
6. Using a sharp razor blade or a cutoff wheel, carefully cut the center section of the bumper out along the cut lines laid out in the previous step. If there are any sharp edges or burrs left from the cutting, smooth those out with a file. Remove the masking tape.



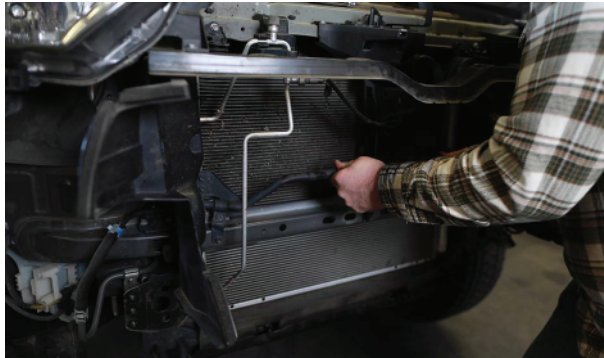
7. If you have not already done so, remove the (2) 10 mm bolts that connect the brackets coming off the crash bar to the inner fender liners. Remove the (2) 10 mm bolts and plastic snap that connect the plastic piece below the crash bar to the frame of the vehicle.



8. Using a 14 mm socket, remove the bolts holding the crash bar to the frame of the vehicle. Remove the crash bar and attached plastic piece.



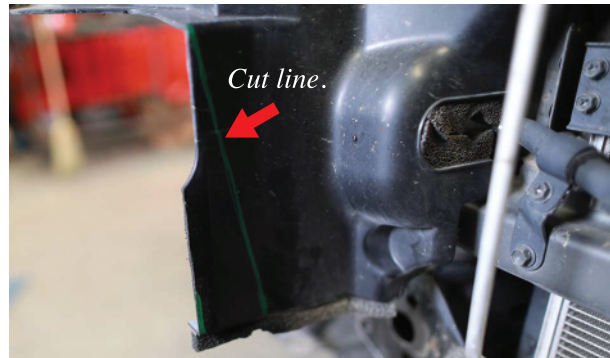
9. Depending on the winch and control box installed on the bumper, it may be necessary to bend the cooler line that runs in front of the radiator out of the way. If necessary, loosen the mounting bolts for each mounting bracket and gently push the cooler line towards the radiator. After enough clearance is reached tighten the cooler line mounting bolts. Leave about ¼" clearance between the cooler line and the radiator support to prevent the radiator support rubbing a hole through the line.



10. Trim the left and right air deflectors as shown.



Driver.



Passenger.

11. Reinstall the factory trimmed bumper using the original fasteners where applicable.

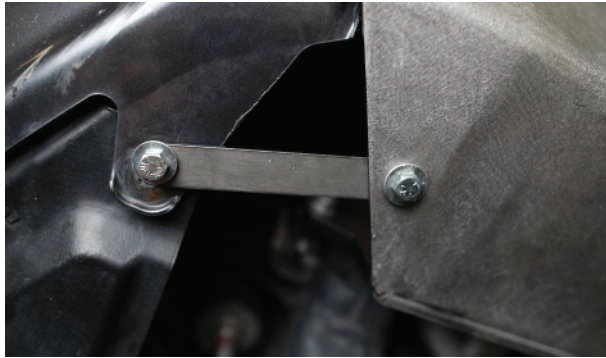
12. Install the supplied rubber trim around the edges of the new bumper as shown. If desired, install a winch, fairlead, and light bar into the new bumper. If you are installing a winch we suggest inserting the front (2) mounting bolts first and then sliding the winch forward to install the rear (2) winch mounting bolts.



13. Install the new bumper using the original crash bar mounting bolts. The bumper can be adjusted vertically to achieve the necessary clearance between the upper edge of the bumper and the lower edge of the original bumper grille. It's a good idea to use masking tape around the upper edges of the bumper to protect the paint when installing the new bumper. Remove the masking tape.



14. Install the provided side support brackets and supplied hardware to connect the lower corners of the factory bumper to the new bumper. The brackets can be swung forward or rearward so the gap between the original plastic bumper and the new bumper is minimized.



15. Reinstall the upper radiator cover using the original clips.

