

GGLighting 5th Gen Toyota 4Runner Ditch Light Bracket Install

1. Lift and prop open hood to gain access to the corner cowl covers.
2. Reach under hood hinge and press up on the driver side corner cowl cover. Once cowl cover is popped up pull piece down and away from the windshield. Be careful not to break any tabs or the seal as this piece will be re-used.



3. Repeat step 2 on the other passenger side of the cowl.

4. Using masking tape, place tape the full edge of the upper fender between the hood and a-pillar. This will be used as a template for the corner cowl pieces.



5. Using a 10mm socket carefully remove the fender bolt. Fender may slide out of position, so be mindful where the fender was lined up so body gaps do not change or have clearance issues with hood or doors.

6. Set in the driver side ditch light brackets and reinstall fender bolt. It does not have to be hard installed yet. This step is to get measurements onto the tape.



7. Using a marker, grease pen, or pencil mark where the leading edge of the bracket is on the tape. Then install tape to windshield behind ditch light bracket and mark the left and right side of the vertical post. Ensure the inside gap is a little wider so the ditch light wire can be slipped under the cowl corner.



8. Remove ditch light bracket and reinstall driver side cowl corner piece.
9. Affix tape to the cowl corner piece and transfer the marks from the fender and windshield to the tape. These marks will be your guide to cut out this section of the cowl piece.



10. Remove cowl corner piece and using a razor blade or saw cut out the boxed section you previously marked.



11. In the circled area above remove the ribbing on the underside of the cowl corner piece. This will give more clearance for the fender bolt head.
12. Repeat Steps 4-11 on the passenger side ditch light bracket and cowl corner piece. Set ditch light brackets and cowl corner pieces aside while you perform the next few steps.

13. The next few steps are going to require you to remove the windshield wiper arms and center cowl section.

14. Remove plastic caps that cover the nuts on the windshield wiper arms



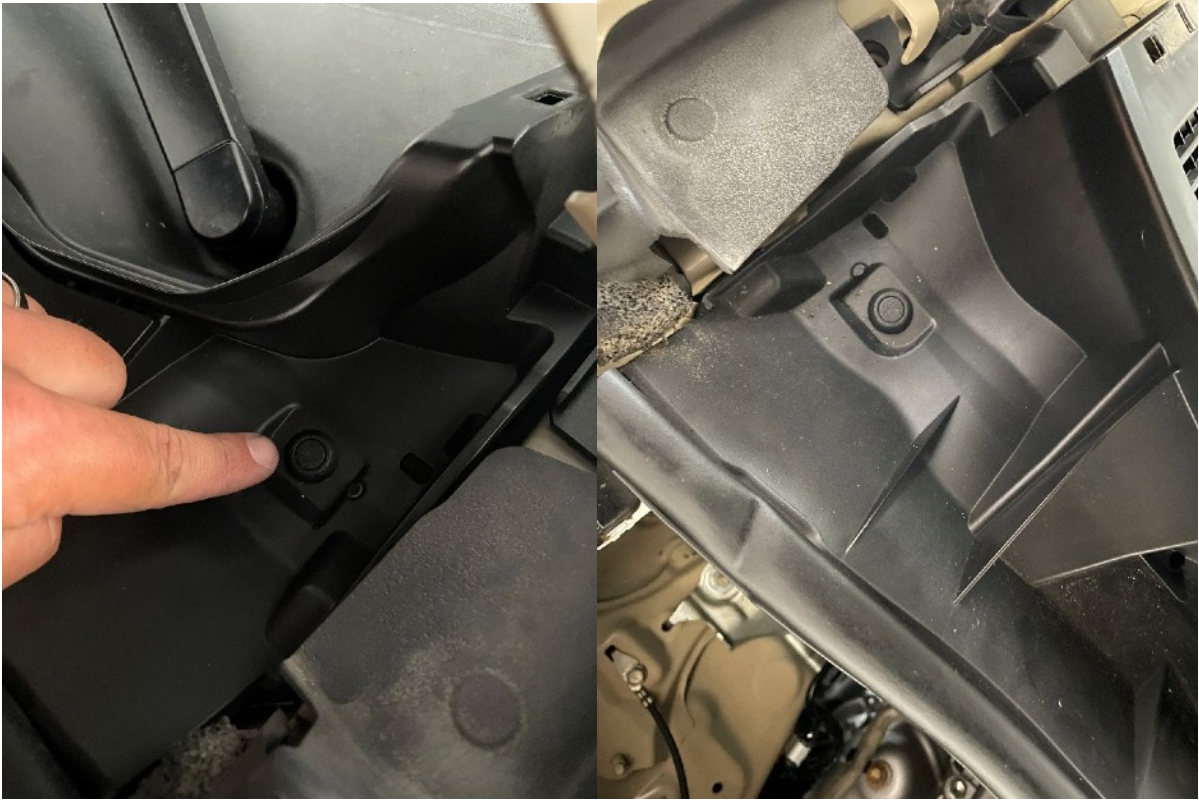
15. Take a marker and draw a line across the stud head to match the center notch on the arm. This will make replacing the arm and getting it lined up much easier during reinstallation.

16. Using a 14mm socket loosen but do not remove wiper arm nuts.

17. Once nuts are loose pick up the wiper arms like you are changing the wiper blades and finish removing the nuts. Be careful since the arms are spring loaded and could cause damage to the windshield if you let them snap back down.

18. Replace nuts back onto studs to protect the threads and not lose the nuts.

19. On the driver side and passenger side push down on the plastic clips to release the cage. Now pull out the clips on both sides.

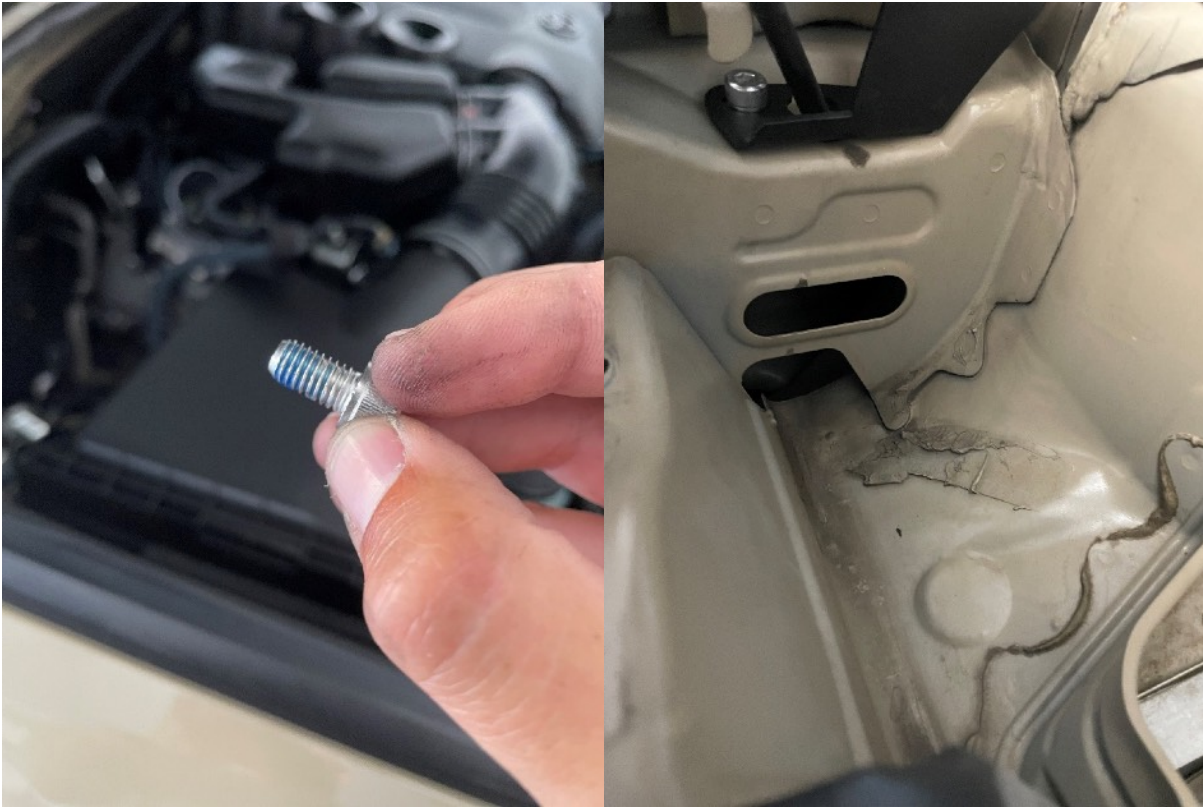


20. There are six step clips under the cowl that attach to the upper section of the fire wall. Press each clip at a time back and push up on the cowl. Once all six have been released push cowl up on a slight angle and pull cowl towards you. It may take some angling of the cowl to get it removed from the engine bay.
21. This would be a great time to clean under the cowl and remove any debris you find. Also cleaning the windshield is much easier too at this point.

22. Reinstall the ditch light brackets and lightly thread in the fender bolt. This will allow lining up and tightening down the lower bracket fastener much easier.



23. Put blue thread locker on the lower ditch light bracket fastener and put into place.



24. The upper hole will be where you fish the nut up onto the fastener. The lower hole is where the socket, extension and ratchet will go up through to tighten down the fastener. (1/4" drive)



25. Using some heavy duty tape wrap your longest finger with the adhesive facing out and stick nut to your finger tip. Reach up through the top hole and finger tighten the fastener to get the nut off your finger and onto the fastener.



26. Using the ¼" drive ratchet setup and an allen wrench tighten down the lower ditch light bracket fastener.
27. Adjust the ditch light bracket so the upright on the ditch light bracket is parallel to a-pillar. Remember how much the fender moved, if it did at all when you loosened the fender bolt. Adjust it if needed then tighten down fender fastener onto the ditch light bracket.
28. Repeat steps 22-27 for the other side.
29. Reinstall the center cowl section and install all clips into place.
30. Reinstall the wiper arms using the previous match marks and torque to factory specifications.
31. Install lights to ditch light brackets and run wire under the edges of the center cowl section.

32. With the hood open, slip in the corner cowl pieces around the wire and bracket. Slide the upper trim of the cowl piece between the a-pillar and windshield. Ensure the upper trim of the cowl piece sits flush up against the windshield edge. Once the upper trim is installed, clip the lower portion into place.

