

## Discovery 5 Lucky8 light bracket install notes by FormerTouaregFan

1. Remove plastic retaining “buttons” along top of grill. Pull grill forward to remove.
2. Remove plastic retaining “buttons” holding right and left side pieces beside radiator and remove
3. Unscrew Torx screw holding horn and unplug horn connection
4. Remove horn bracket from horn. Will not be reused.
5. Loosely fasten small bracket piece with 2 welded on bolts to large bracket piece through the 2 slots with 1/4 coarse thread nuts (not included). The plate goes on the front of the bracket with nuts on the back. NOTE 1: Suggested improvement. Bolts are too short for lock washers or nylocs so suggest V2 bracket make these longer.
6. Place bracket in position and attach with bolts. NOTE 2: The upper boss is too short for proper alignment so you will need several 6mm washers to fill the gap between the boss and the mounting location. See image 1,2 below. NOTE 3: All mounting holes where bolts screw in are plastic, so do not over tighten like I did, and had to replace 1 location with an oversized lag screw. NOTE 4: 6mm washers and lock washers are needed since the boss hole is so much larger than the 6mm bolts. See image 3. NOTE 5: The 50mm bolt is too long for the upper location. A 40mm works (not provided). The 30mm bolt is too short for the lower location once you add the washer and lock washer. A 40mm works (not provided).
7. Position the small plate as low as possible so it is resting in the plastic space that is lowest. While holding it down in that position, tighten the 1/4 inch nuts. NOTE: The purpose of the small plate is not to trap the plastic vertical piece as I originally thought, probably requiring bumper facia removal, it is more of a vertical support and stabilizer.
8. Trial fit the grill to make sure you have left enough space below the bracket for the grill to slide in.
9. Now remove the bracket
10. Replace the plastic side pieces making sure the long protrusion in the bottom goes into the associated hole
11. Put the bracket back in place as best you can and mark where you will need to drill a hole in the plastic side piece for the lower boss.
12. Drill a hole in plastic side piece where you marked and trial fit. I used a 3/4 spade bit normally used for wood but it worked fine. Since it is hard to mark exactly where it should be, it will be wrong, so remove and redrill. Grin. See image 4. NOTE 6: Suggested improvement. Provide a paper template to mark where the hole should go.
13. Reinstall plastic side piece using plastic retaining buttons
14. Place bracket loosely in position but do not attach
15. Put horn wire through cutout in bracket and plug into horn. Horn outlet should face center of car and plug should face down toward cutout in bracket.
16. Attach horn using hole in the light bracket

17. Re-attach bracket per #6 above. Again, do not overtighten since you are screwing into plastic
18. Slide grill back in from the front and reattach using plastic retainers along the top.

Image of grill out, before installation of brackets.



Image 1 showing gap that needs to be filled



Image 2 showing washers added to fill gap to improve alignment, and washers added to provide better purchase for bolt head. Also shows 50mm bolt all the way screwed in, showing it is too long.



Image below shows installation alignment with washers that is still a little crooked. Without washers alignment would be more crooked and too little of the light mounting hole would be available in front of the bumper fascia.



Image 3 showing difference in size between 6mm attaching bolts and boss. Boss size is good since provides more stability but need washers. NOTE: Suggestion would be nylon inserts to fill hole, since these are \$180 brackets and that would prevent more movement, since can't depend on bolts screwed into plastic being very tight.



Image 4 showing 3/4 hole that needs to be drilled in side piece.



Image below Installation of lower left bracket boss through hole in side piece.



Image 5 showing horn attachment to bracket



Installation complete

