

**TF009: WINCH BUMPER WITH WASHER BOTTLE GUARD****DISCOVERY 2****FITTING INSTRUCTIONS**

1. Put the car into gear or park and apply the hand brake.
2. Disconnect bumper mounted fog lights, headlamp washer jets and parking sensors.
3. Remove original bumper assembly.
4. Position winch into the Terrafirma winch bumper, do not fully tighten any bolts at this stage. Depending on the winch selected the solenoid pack may need to be re-located in a suitable position it can be attached to the winch, within the bumper or engine compartment.
5. Offer the winch bumper onto the vehicle, align all pre drilled mounting holes and locate bolts, again do not tighten at this stage.
6. At this point it is a good idea to check operation of the free spool control on the winch, some options allow the gearbox to be rotated to allow easier operation depending on space and winch orientation.
7. Correctly position the bumper, lining up with the wheel arches and headlights so that the bumper is square on the vehicle.
8. Tighten all nuts and bolts.
9. Now drill any mounting points where the chassis was not pre drilled and fit and tighten mounting bolts.
10. Wire up the winch according to the winch manufacturer's instructions.
11. The original fog lights will not fit a winch bumper, alternative lights can be mounted and use the original wiring.
12. The bumper can be drilled and headlamp washers and parking sensors refitted if required.
13. Any inner wheel arch or plastic trim should be trimmed and secured at this stage.
14. Check all winch and bumper mounting bolts are secure before use, check again after 100 miles of drivin

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