



INSTALLATION GUIDE

BBT010/BBC010/BBCD010

NISSAN PATROL GQ



- Ironman 4x4 BBT/BBC/BBCD010 Bull Bar fit to a Nissan Patrol GQ
- It will take about 2 hours to install.

IMPORTANT: Bull Bar installations should only be done by a qualified person and it is the responsibility of this person to ensure correct fitment.

1. Before installation check bull bar application is compatible with your vehicle.

2. Remove bumper bar and recovery hook.



3. Unwrap bull bar. Check buffers and light assemblies are tight in bull bar before installation.

4. Slide captive nut plates into chassis as shown.



5. If winch is being installed, refer to winch installation instructions pages 4-7.

6. Place bull bar onto chassis.

NOTE: Factory tie down points may need to be bent outwards slightly to allow bull bar to slide onto chassis rails.

7. Attach bull bar to chassis and refit recovery hook to original position using bolts, flat washes and spring washes provided.



8. Align bull bar with vehicle and tighten all mounting hardware.

Winch Installation

IMPORTANT: Before winch is installed to winch cradle, the clutch handle will need to be rotated to a more convenient position for access through bull bar.

1. Stand winch vertically on motor with gearbox facing upwards.



2. Undo and remove 2 chrome Allen head bolts which hold the gearbox to the tie rods.



3. Lift gearbox off winch.



NOTE: If shaft comes out of cable drum remove it from the gearbox and place it back into the drum making sure it engages with the brake.



NOTE: Also make sure that the drum support bush remains in the end of the drum support housing with the locating tang in the correct position.



4. Undo and remove 10 Allen head bolts that hold the gearbox housing to the drum support housing and rotate the drum support housing to holes in a clockwise direction so that handle is opposite to the mounting feet.



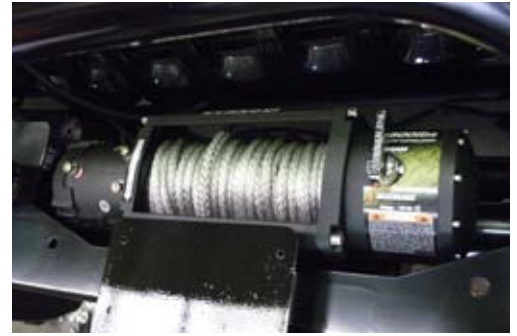
5. Re-install 10 bolts and tighten firmly.
NOTE: Take care not to over-tighten.



6. Refit gearbox to winch, refit and tighten Allen head bolts into tie rods.



7. Bolt winch to cradle with gearbox to the left hand side of vehicle and cable spooling from bottom of the cable drum using bolts and washers provided.



8. Bolt fairlead to recess in front of bull bar using bolts, washers and nuts provided.



9. Fit bull bar to vehicle referring to steps 6 - 8 of bull bar fitting instructions.

10. Mount control box in desired location.



11. Connect three colour coded cables to the corresponding poles on winch motor.



12. Connect the thin black earth wire and negative battery cable to the earth connection on the opposite side of winch motor.



13. Run the positive and negative battery cables into the engine bay taking care to secure cables away from any sharp or moving objects.

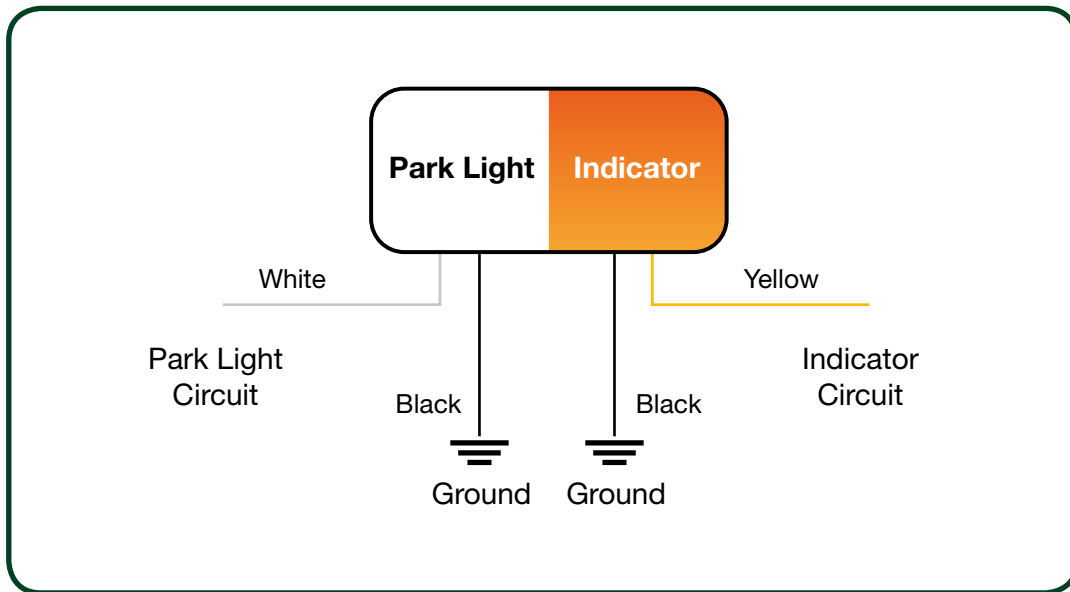
14. Connect positive and negative battery cables main battery of vehicle (Not Auxilliary Battery).

15. Attach breather hose to barb fitting on winch motor. Run hose to the highest available point in engine bay and cable tie in position. Cable tie hose away from any sharp, hot or moving objects.



Wiring Diagrams

PARK LIGHT & INDICATOR



FOG LIGHTS

