



# INSTALLATION GUIDE

## **BBT007/ BBC007/ BBCD007**

TOYOTA PRADO 90 Series



- Ironman 4x4 BBT/ BBC/ BBCD007 Bull Bars fit to a Toyota Prado 90 Series.
- It will take about 3 hours to install.

**NOTE:** This product has been tested for air bag compatibility and therefore the mounting system **MUST NOT** be modified

**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, grill, factory crush cans, tie down points and recovery hook.



NOTE: Trim plate on end of chassis rail level with the bottom of the chassis.



3. Fit chassis bracket to chassis using M10 bolts, flat washers and spring washers into original bumper bolt holes. Refit original recovery hook on right hand side and tie down point on left hand side using original bolts.



4. Mask and paint lower lips of front mud guards and panel under headlights satin black.



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

6. Unwrap bull bar. Check over riders and light assemblies are tight in bull bar before installation.

7. Fit bull bar to chassis brackets using M12 bolts, flat washers, spring washers and nuts provided.

Align bull bar with vehicle leaving a 10mm gap between bull bar wing and mudguard flare to allow for movement between body and chassis.

8. Once bar is aligned with vehicle and tightened, drill through pinning holes between bull bar and chassis bracket and secure with bolts, washers and nuts provided.



9. Connect park lights, indicators and fog lights as per wiring diagrams at the back of instruction manual.

10. Trim guard liners as required.

11. Fit protection plate to underneath of bull bar using M8 bolts, spring washers and flat washers.

# Winch Installation

1. 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.



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



3. Fit bull bar to vehicle referring to steps 7 - 8 of bull bar fitting instructions.

4. Mount control box in desired location.



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



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



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

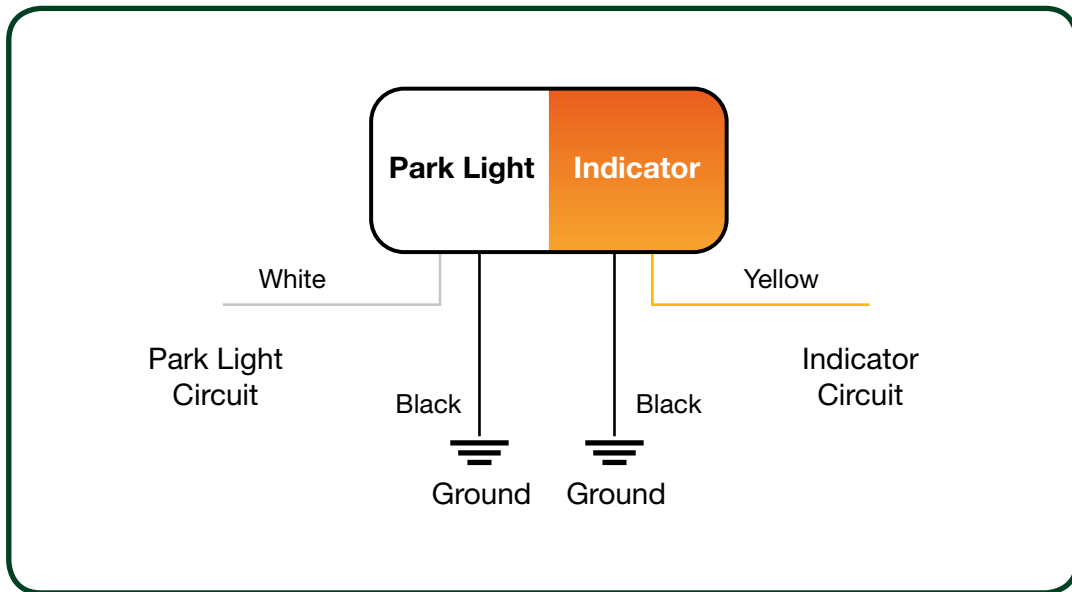
8. Connect positive and negative battery cables main battery of vehicle (Not Auxilliary Battery).

9. 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

