



INSTALLATION GUIDE

BBT006/ BBC006/ BBCD006 TO SUIT TOYOTA LANDCRUISER 100 SERIES IFS



- Ironman 4x4 BBT/ BBC/ BBCD006 Bull Bars to suit a Toyota Landcruiser 100 Series (IFS).
- It will take about 2 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 grill, front bumper, front bumper reinforcement, tie down eyes and recovery hook.



3. Mask and paint lower lips of mud guards satin black.



4. Carefully place crush tubes into chassis using a screw driver as a guide.



5. Place chassis bracket into position onto chassis.



6. Slide U Channel spacers between bottom of chassis and chassis bracket (Flat side up).

NOTE: Holes will only line up in one direction.



7. Using a screwdriver to hold crushed tube in position, insert long bolts with heavy duty washes through chassis bracket, chassis, crush tube and U Channel down from top.

Loosely fit heavy duty flat washer, spring washer, and nut but do not tighten.

NOTE: For turbo diesel engines, intercooler hose with temporarily need to be disconnected to allow bolt to be fitted.



8. Install two M14 x 60mm bolts and washers through factory tie down eye into underside of left hand chassis rail.

Install two M14 x 100mm bolts and washers through factory recovery hook and tie down eye into underside of right hand chassis rail.

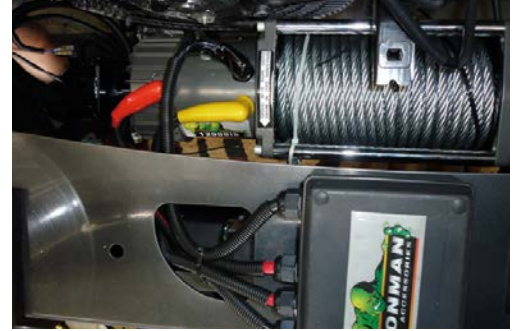


9. Tighten all bolts.

10. If winch is being installed refer to winch installation instruction page 5-6.

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

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



13. Align bull bar with vehicle leaving a 15-20mm gap between bull bar wing and mud guard to allow for movement between body and chassis.



14. Once bar is aligned with vehicle and tightened drill through pinning holes between bull bar and chassis bracket and secure with hardware provided.



15. Connect park lights as per diagram on page 7.

16. Fit protection plates to underneath of bull bar using M8 bolts, spring washers and flat washers provided.



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 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.

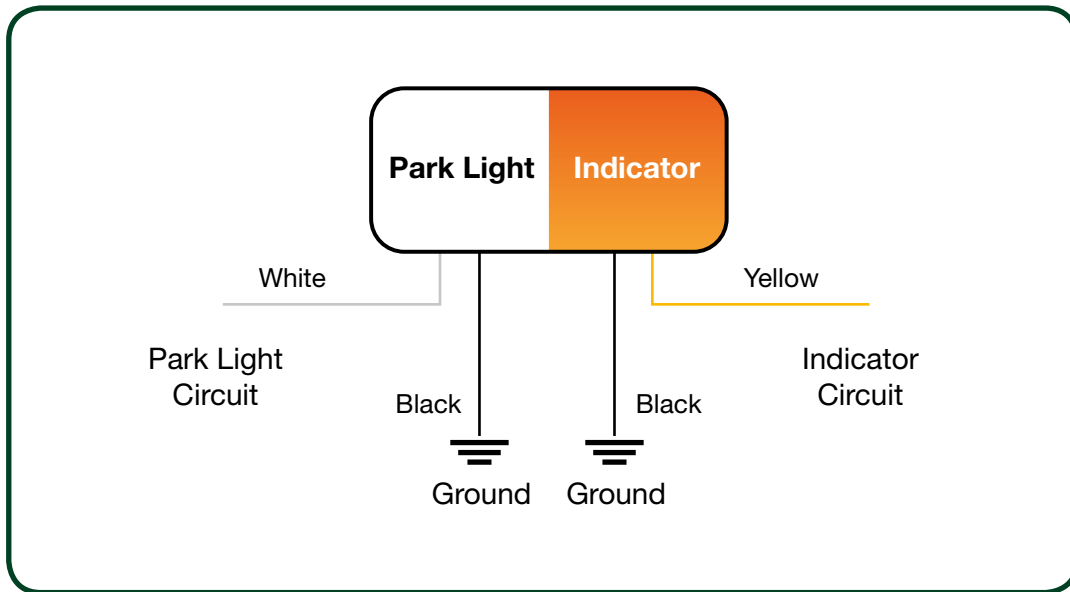
8. Connect positive and negative battery cables main battery of vehicle (Not Auxilliary Battery).

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

