



INSTALLATION GUIDE

BBT037/ BBC037/ BBCD037 TO SUIT TOYOTA FJ CRUISER



- Ironman 4x4 BBT/ BBC/ BBCD037 Bull Bars to suit a Toyota FJ Cruiser.
- 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 front bumper bar, grill and bumper bar reinforcement.

3. Remove cooler pipe support bracket from right hand chassis rail and discard.



4 Remount cooler as shown.



BEFORE



AFTER

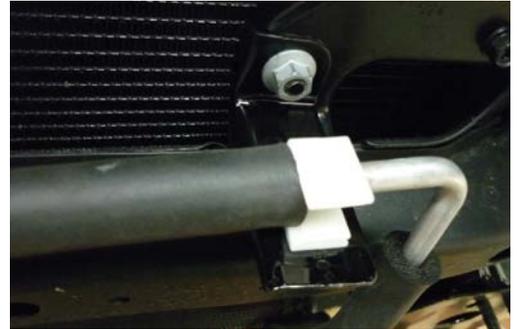
5. Remove A/C pipe bracket and modify as shown.



- 5b. Cut bracket 60mm from mounting end
Drill a 6mm hole 40mm from mounting end
in centre of bracket.



6. Rust proof and refit bracket and pipe as shown.



7. Place U-Bolts in position around chassis from
inside out, in front of radiator.



8. Fit chassis bracket to chassis and secure loosely
in place using factory nuts.

9. Place reinforcing brackets over U Bolts outside
chassis and loosely fit M10 nuts, springs and flat
washers.

Fit M12 bolt, spring and flat washer to captive
nut in chassis.

Place heavy duty flat washers between
reinforcing bracket and mounting cradle and
secure with M12 hardware provided, factory nuts
and strengthening plates. Tighten all nuts and
bolts.



10. If winch is being installed, refer to winch
installation instructions on 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 brackets using M12 bolts, flat washers, spring washers and nuts provided. Align bull bar with vehicle and tighten.

13. Once bull bar is aligned with vehicle and tightened, drill through pinning holes (circled in red) between bull bar and chassis bracket and secure with bolts, washers and nuts provided.



14. Connect park lights, indicators and fog lights as per wiring diagrams.

15. Fit protection plate underneath the bull bar using M8 bolts, spring washers and flat washers provided.

NOTE: The Underbody protection plate shown to the right is to be purchased separately to the bullbar



16. Attach right hand mud guard liner as shown and attach to washer bottle with cable tie.



Attach left hand mud guard liner and secure with cable tie.



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.

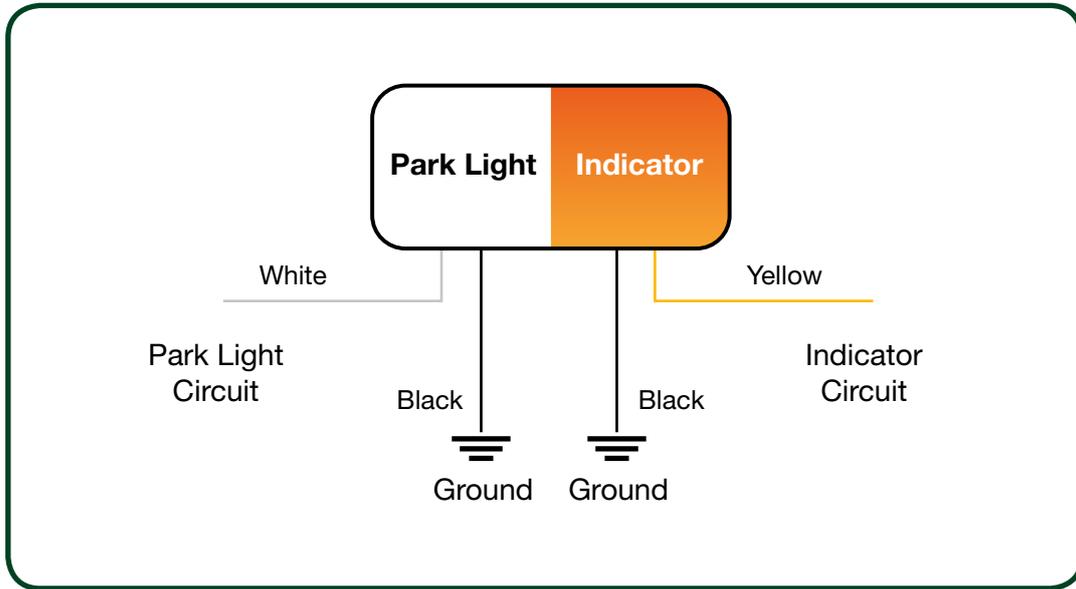
8. Connect positive and negative battery cables main battery of vehicle (Not Auxilliary Battery).

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

