



INSTALLATION GUIDE

BBT046/ BBC046/ BBCD046

SUZUKI GRAND VITARA 2012+, DIESEL



- Ironman 4x4 BBT/ BBC/ BBCD046 Bull Bars fit to a Suzuki Grand Vitara 2012+ Diesel
- It will take about 3.5 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. Disconnect any bumper lights. Remove factory bumper bar. Remove washer bottle. Disconnect intercooler mounts



3. Remove bumper support frame. This is also held in place by sealant so many need leverage to assist removal. Place supplied chassis strengthening bracket to bumper support frame as shown.



4. Drill out spot welds with 6mm drill.



5. Bolt support to frame with M6 bolts and nuts supplied.



6. Refit front factory bumper support bracket to vehicle.



7. If winch is being installed, it needs to be attached to mounting cradle before cradle is attached to the vehicle.

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.

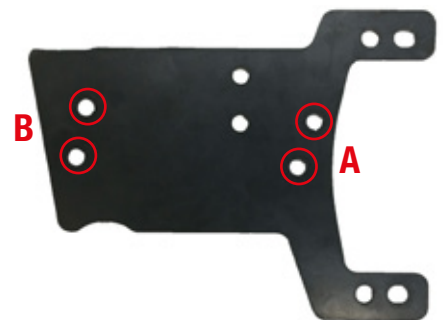
Fit winch cradle to factory bumper support bracket. Drill 5 x 12mm holes at front only and use M12 bolts and plates supplied to attach winch cradle to factory bumper support bracket.



8. Holes in the following two steps (9 & 10) need to be drilled as shown.

A: Drilled all the way through the chassis

B: Drilled only through outer wall of chassis



9. Fit side plates to winch cradle. Drill 10mm hole through factory bumper support bracket and support bracket as pictured. Fit supplied bolts



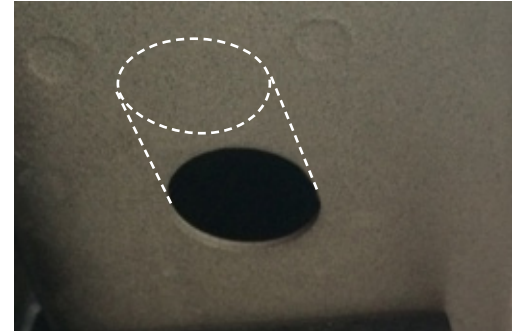
10. Drill 10mm hole into frame as pictured. Only drill through the outer wall of chassis.



11. Open up access hole under frame as pictured to allow installation of nuts.

Drill a second hole as pictured, then join hole creating an access slot.

Rust proof any exposed surfaces.



12. Fit wired nut and bolt set supplied through hole just created.



13. Connect indicators, park lights and foglights per wiring diagrams on page 8. Rrefit all intercooler mounts and washer bottle.



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

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

16. 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.
If winch is being installed, please refer to page 6.



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



18. Cut and secure plastic wheel arch guard liners.

19. In order for the grill to be refitted a section of the factory bumper bar will need to be cut away and attached in its original position on the vehicle.



Winch Installation

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



2. Fit bull bar to vehicle referring to steps of bull bar fitting instructions.

3. Mount control box in desired location.



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



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



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

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

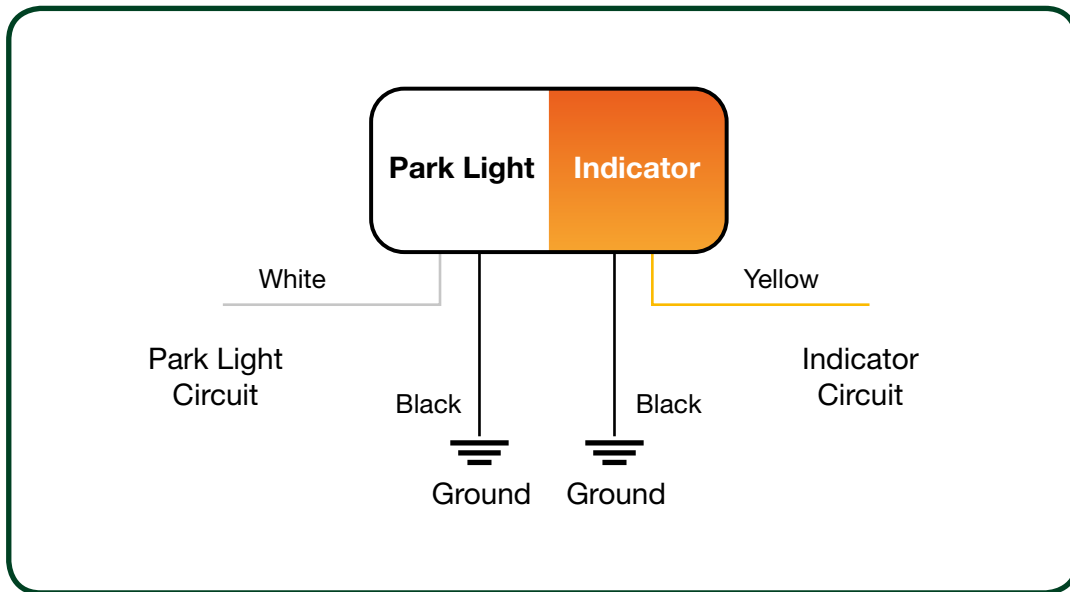
8. Attach breather hose to barb fitting on winch motor. Run hose to the highest available point in engine bay and cable tie in position. Cable tie hose away from any sharp, hot or moving objects.

Refer back to step 18 of the Bull Bar fitting instructions on page 5



Wiring Diagrams

PARK LIGHT & INDICATOR



FOG LIGHTS

