



INSTALLATION GUIDE

BBT039/ BBC039/ BBCD039

MADZA BT50 2012
2WD & 4WD Models



- Ironman 4x4 BBT/ BBC/ BBCD039 Bull Bars fit to a Mazda BT50.
- It will take about 3 hours to install.

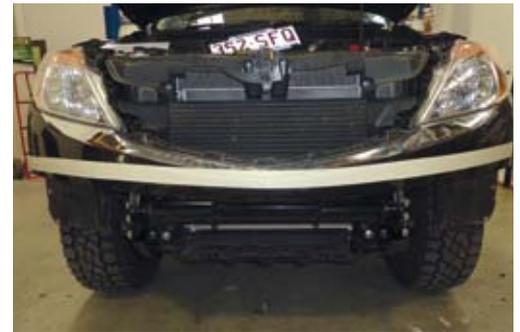
NOTE: This product has been tested for air bag compatibility and therefore the mounting system **MUST NOT** be modified

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. Mask ends of the bumper bar. Place cutting template into position as shown.

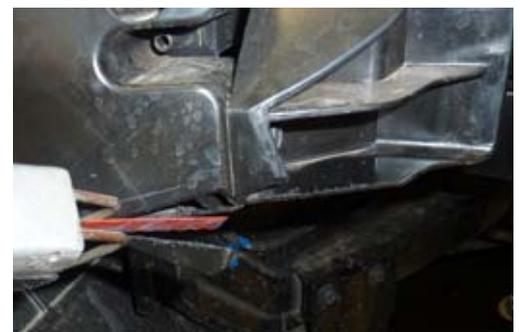
Mask a horizontal line across bumper bar from cut lines previously marked passing 30mm below center of top edge of bumper bar as shown.



3. Remove grill, bumper bar, bumper bar reinforcement and bumper support brackets from vehicle.

Cut along line to remove lower section of bumper bar.

4. Using an air hack saw or similar, trim the corners off the plastic moulds as shown.



5. Refit top section of bumper bar to vehicle.



6. Install chassis bracket and inner and outer strengthening plates as shown.

Secure chassis bracket in position centrally on chassis using hardware provided and factory hardware. Then tighten.



7. Using chassis bracket as a guide, drill a 12.5mm hole through chassis and install bolts, flatwashers, spring washers and nuts as shown,



8. If winch is being installed, refer to winch installation instructions Pages 5 - 11.

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

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



11. Align bull bar with vehicle and tighten all bolts.

12. 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.



12. Connect park lights, indicators and fog lights as per wiring diagrams on page 10 of Instruction Guide.

13. Fit protection plate underneath the bull bar using M8 bolts, spring washers and flat washers provided and trim guards liners to suit.



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 one (1) hole in an anti-clockwise direction.



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 8 - 12 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.

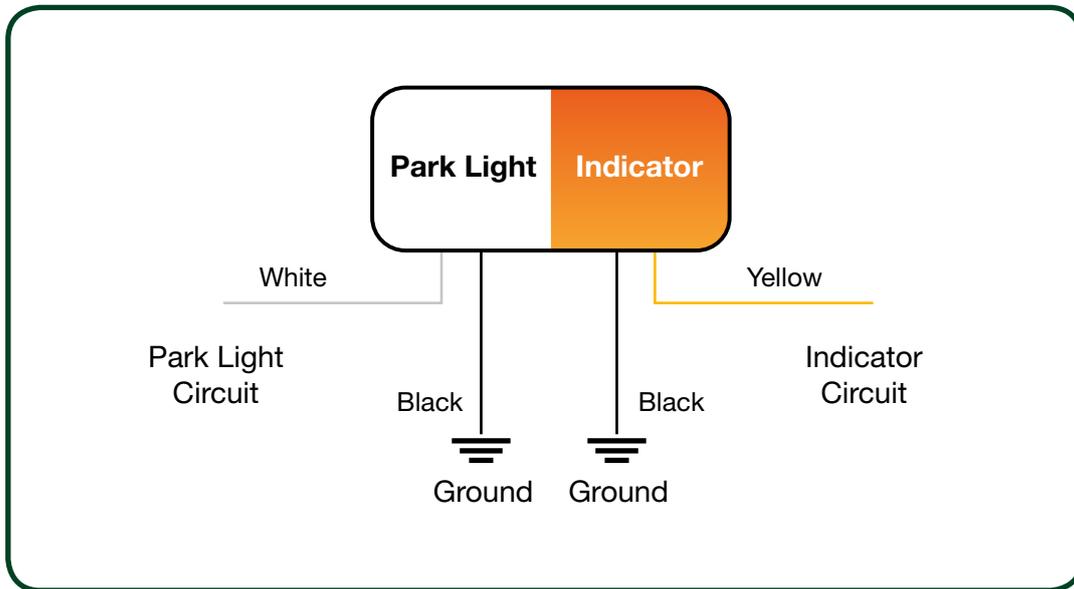
14. Connect positive and negative battery cables main battery of vehicle (Not Auxilliary Battery).

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.

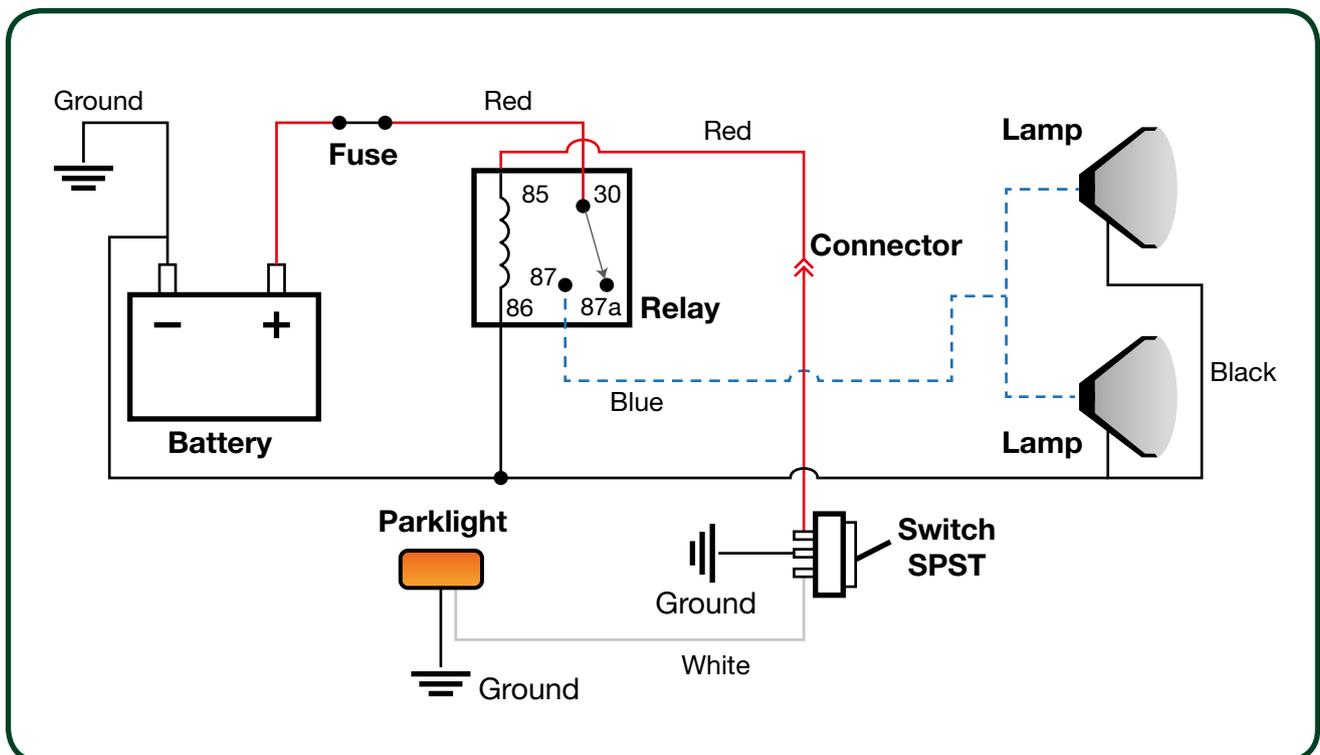


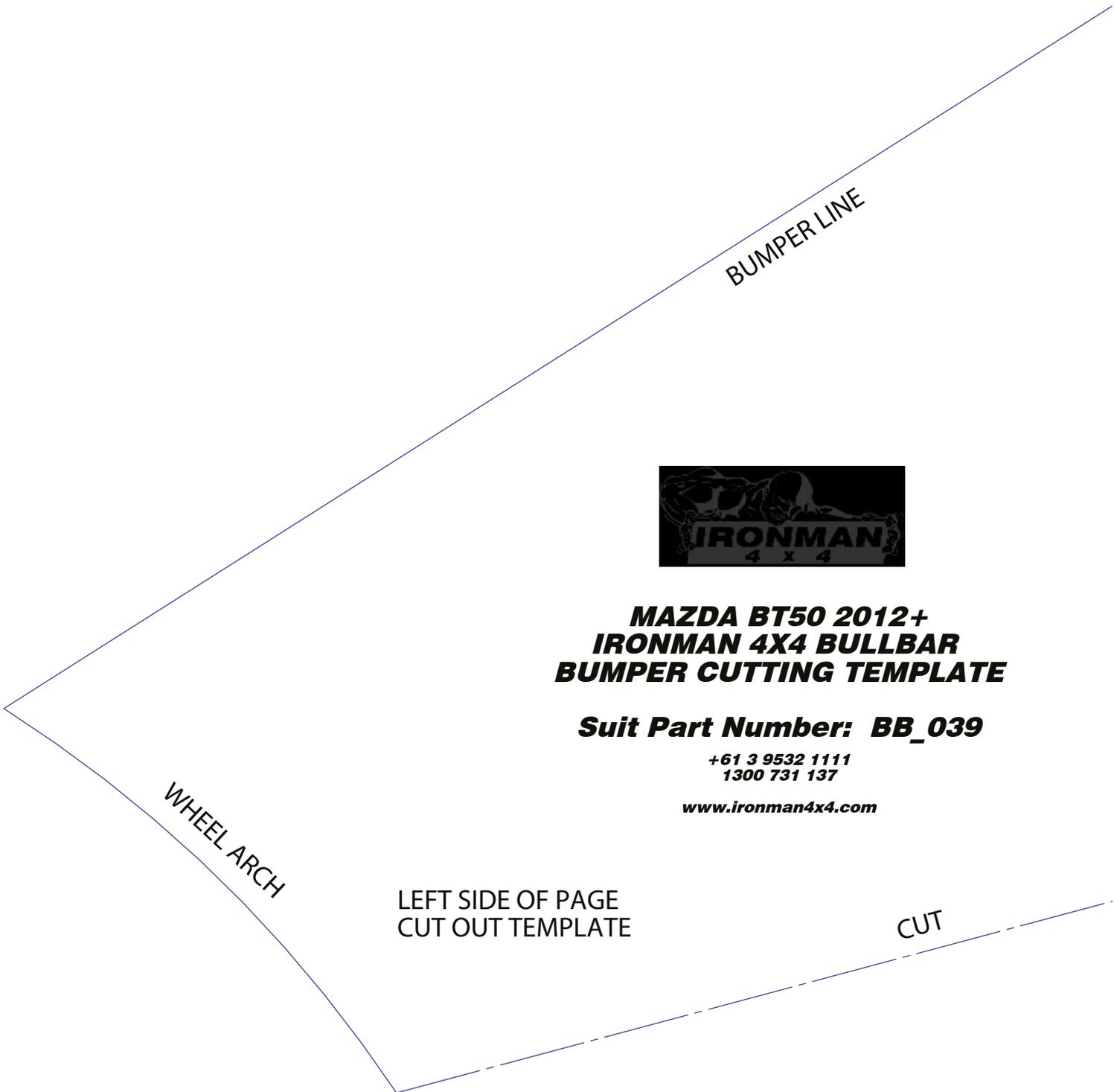
Wiring Diagrams

PARK LIGHT & INDICATOR



FOG LIGHTS





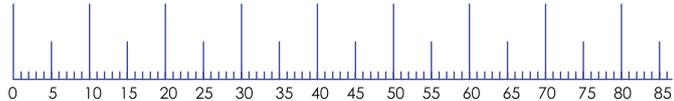
**MAZDA BT50 2012+
IRONMAN 4X4 BULLBAR
BUMPER CUTTING TEMPLATE**

Suit Part Number: BB_039

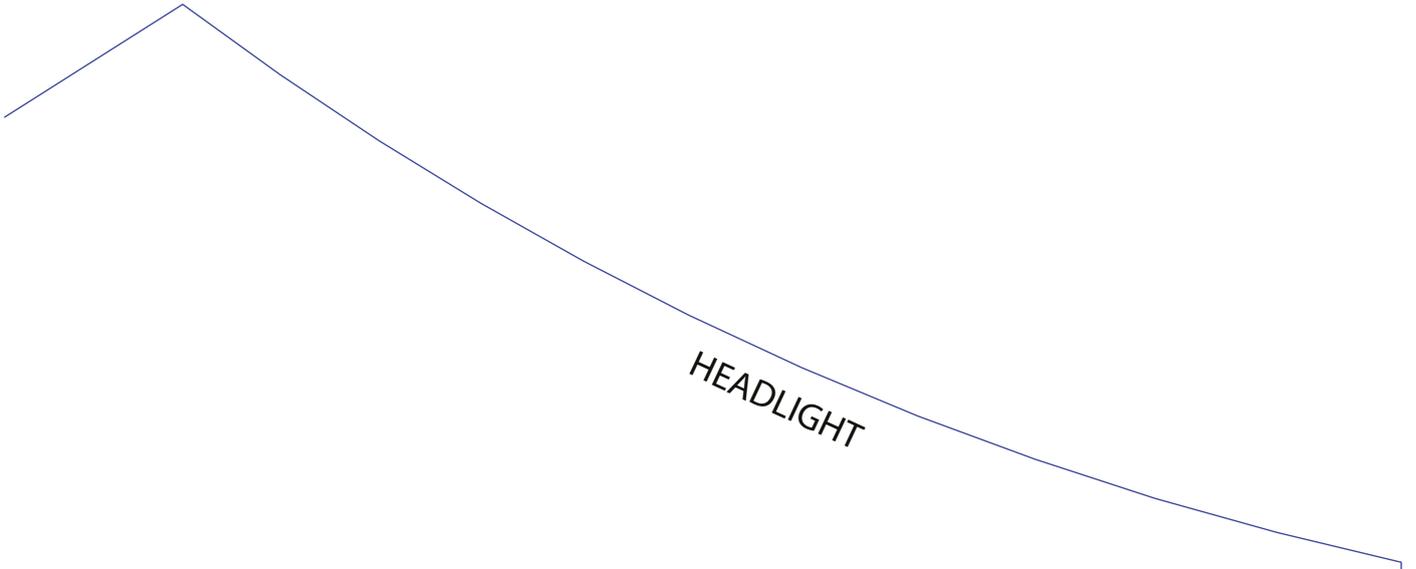
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A3



Use ruler to check printing scale,
and when joining multiple pages.



RIGHT SIDE OF PAGE
CUT OUT TEMPLATE

To Front
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