



INSTALLATION GUIDE

BBCD035

JEEP WRANGLER JK



- Ironman 4x4 BBCD035 Bull Bar fit to a JEEP JK Wrangler
- 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.

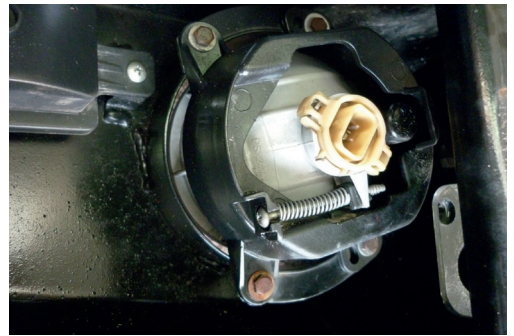
1. Before installation check bull bar application is compatible with your vehicle.

2. Remove bumper bar.

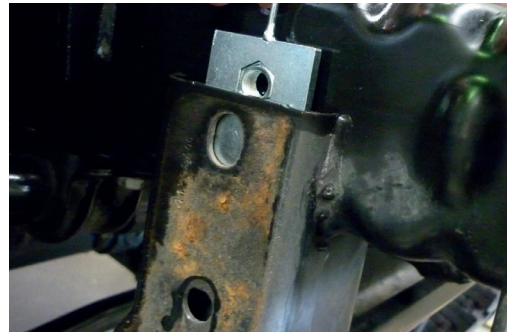


3. Remove fog lights from factory bumper bar and install to bull bar as shown. If winch is being installed, refer to winch installation instructions pages 4-7.

Ensure that buffers are tightened.



4. Fit outer chassis brackets using captive nut plates and bolts as shown.



5. Place M12 x 50mm bolts, flat washers and spring washers as shown, through recovery hook on left hand side and packers on right hand side.



6. If winch is being installed, refer to winch installation instructions pages 4-7.

7. Hold bar in position taking care not to dislodge mounting bolts. Screw mounting bolts into captive nuts on bar but do not tighten.

8. Using M12 bolts, spring washers and flat washers attach outer chassis bracket to bull bar.



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



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.



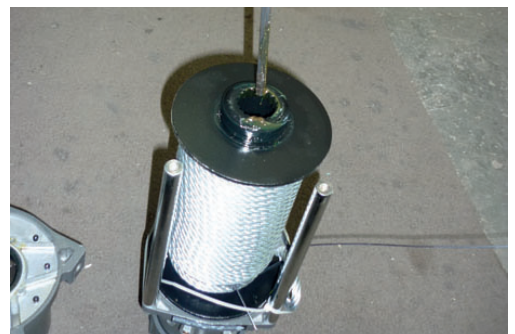
2. Undo and remove 2 chrome Allen head bolts which hold the gearbox to the tie rods.



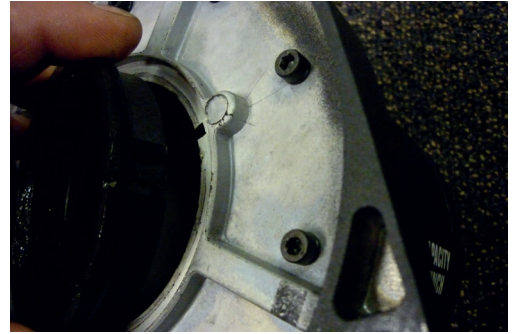
3. Lift gearbox off winch.



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 to holes in a clockwise direction so that handle is opposite to the mounting feet.



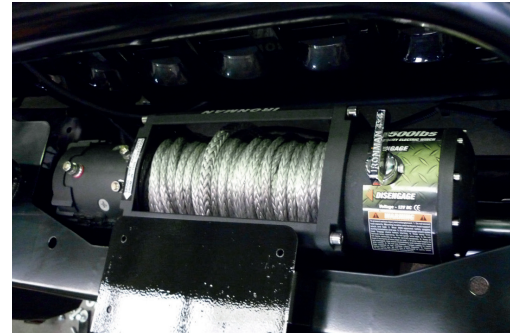
5. Re-install 10 bolts and tighten firmly.
NOTE: Take care not to over-tighten.



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.

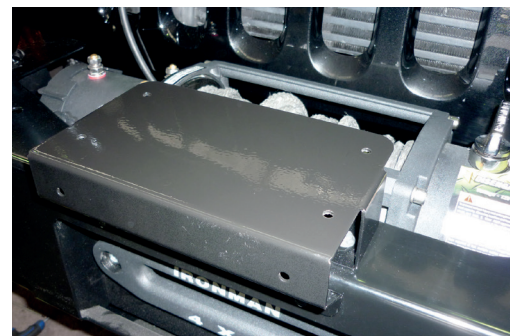


8. Bolt fairlead to recess in front of bull bar using bolts, washers and nuts provided.

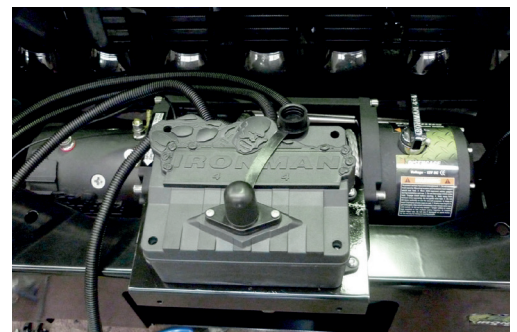


9. Fit bull bar to vehicle referring to steps 7 - 9 of bull bar fitting instructions.

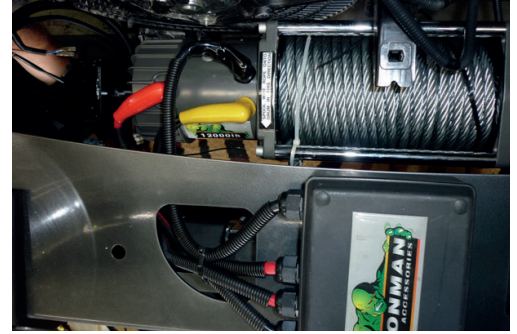
10. Fit control box bracket to bull bar as shown.



11. Place control box on control box bracket and mark four mounting holes.
- Drill holes to 6.5mm and attach control box to bracket using M6 hardware.



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



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



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

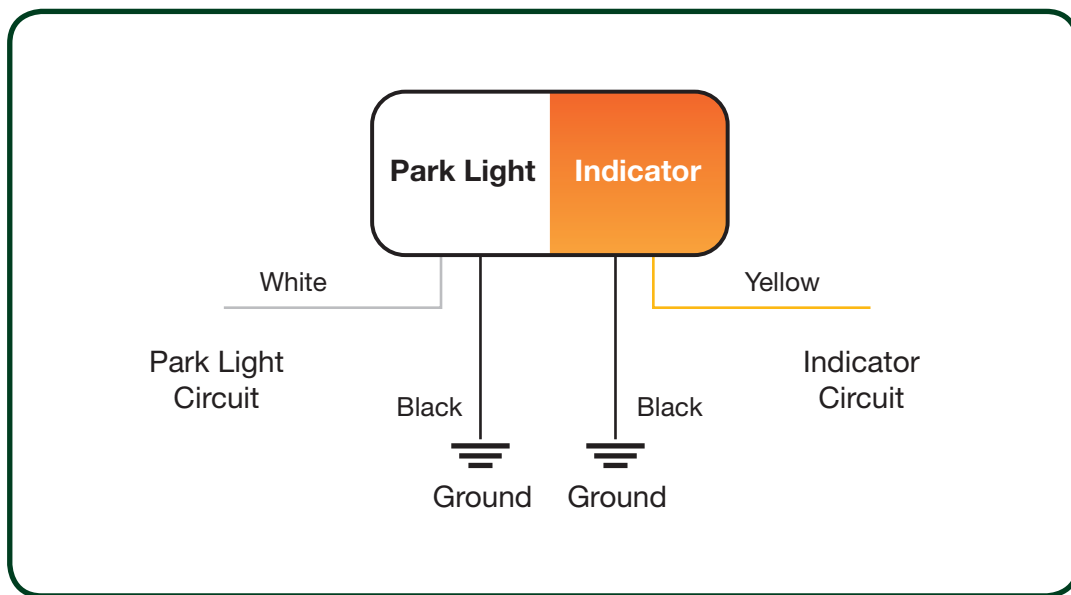
15. Connect positive and negative battery cables main battery of vehicle (Not Auxilliary Battery).

16. 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

