

FITTING INSTRUCTIONS

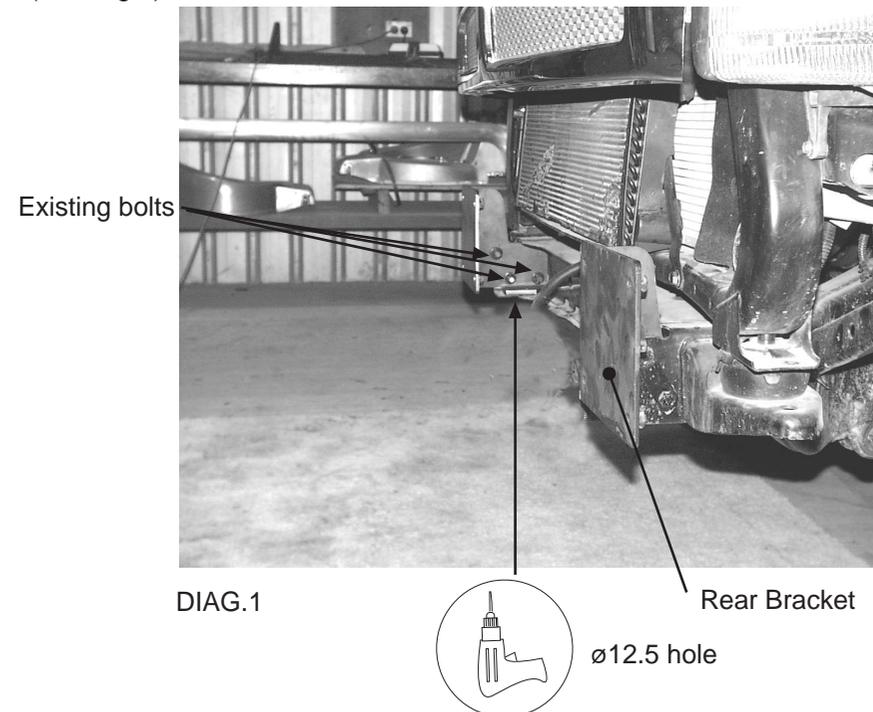
TOOLS

- 10mm Socket
- 18mm Socket
- 19mm Socket
- Torque Wrench
- Electric Drill

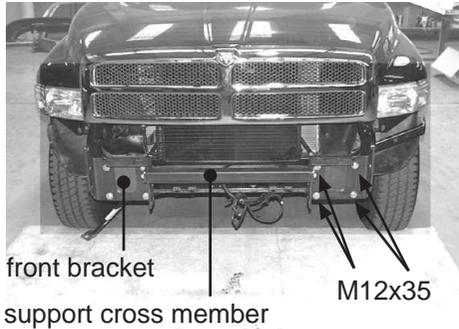
- 10mm Spanner
- 18mm Spanner
- 19mm spanner
- Phillips Screwdriver
- ø6mm & ø12.5mm Drill Bits

INSTALLATION

1. Remove existing bumper
2. Unbolt bracket assembly from back of bullbar. Leave middle support crossmember in place.
3. Remove rear brackets from bracket assy & bolt brackets to front of chassis with existing bolts. Drill ø12.5 hole up from the bottom into the bottom flange of chassis and bolt through using M12x35 bolts, washers and nyloc nuts supplied (ref.Diag.1)



4. Bolt front bracket with crossmember in place using M12x35 (ref.Diag.2,3)
Centralize brackets relative to the body & tighten [torque 77Nm(57ftlb)]



DIAG.2

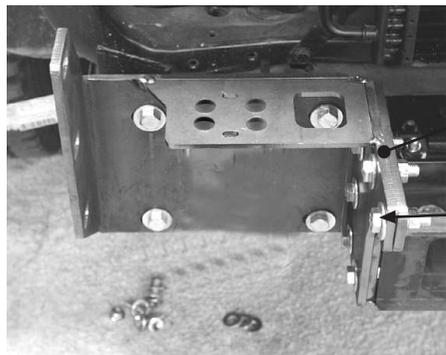


DIAG.3

IF **NOT** FITTING WINCH, PROCEED TO STEP 23
IF FITTING WINCH, PROCEED AS FOLLOWS

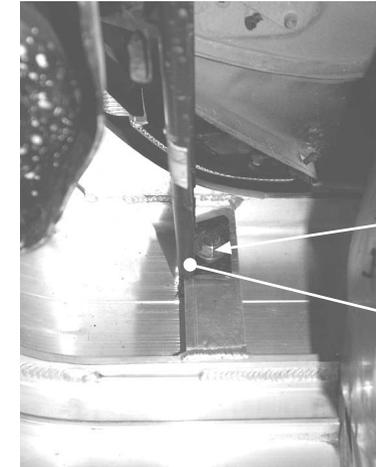
5. Remove support cross member (ref.Diag.2) from between front mounting brackets and discard.

6. Bolt winch box in between mounting brackets, level and flush with top of bracket (ref.Diag.4). Use 6- M12x40 bolts each side with \varnothing 12 washers under bolt & under nut, & M12 nyloc nuts [torque 77Nm(57ftlb)].



DIAG.4

25. Replace the original bumper support braces bolting to side bracket of bumper using M12x35 bolt, 2 flatwashers & nyloc nut (ref.Diag 12).



DIAG.12

26. Reconnect driving lights & adjust if necessary using special torx bit supplied with car.

27. Wire in indicator and park lights to existing wiring & solder all joints.



DODGE RAM

BULLBAR DO-VL01S

(WITH WINCH OPTION)



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17. Pull winch cable through front of bullbar & fit Fairlead onto the front of winch box using 2- M12x50 bolts, spring washers, & flat washers (ref.Diag.11).



M12x50
Spring washer
Flat washer

DIAG.11

18. Fit winch hook to winch cable.

19. Replace the original bumper support braces bolting to side bracket of bumper using M12x35 bolt, 2 flatwashers & nyloc nut (ref.Diag 12).

20. Adjust driving lights if necessary, using torx bit supplied with car.

21. Wire in indicator & park lights to existing wiring & solder all joints.

22. IMPORTANT: Read Winch Manual thoroughly before operation.

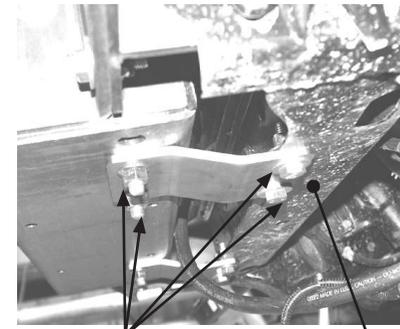
IF NOT FITTING WINCH

23. Fit driving lights & support brackets into position. (ref.Step 8-11).

24. Lift bullbar into position & fit 6- M12x40 bolts through mounting gussets on bullbar (ref.Diag.10). Adjust bullbar level to body, and tighten in position [torque 77Nm(57ftlb)].

7. Bolt bottom brackets of winch box to crossmember of truck. Use M12x35 bolts with \varnothing 12 washers & M12 nyloc nuts. (ref.Diag 5)

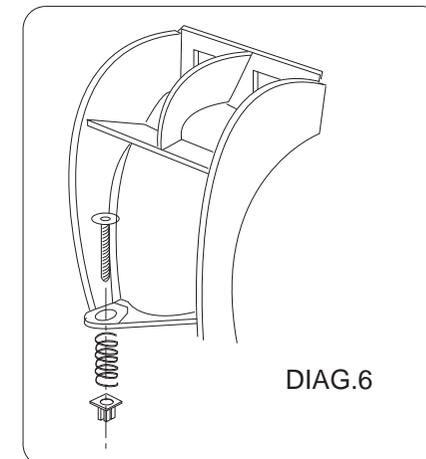
DIAG.5



M12x35

truck crossmember

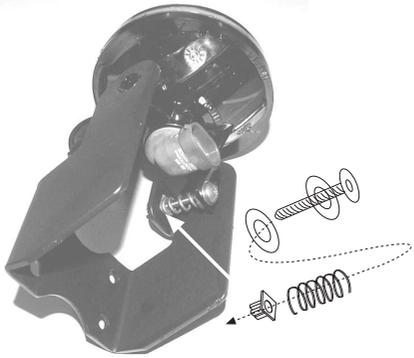
8. Remove driving light from vehicle bumper by first removing & retaining adjusting screw, spring & plastic nut as shown (ref.Diag.6) .



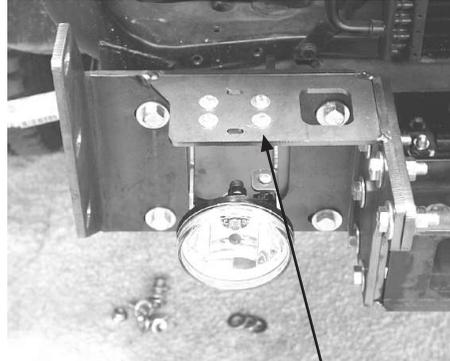
DIAG.6

9. Then remove driving light from plastic support bracket. Spring sides apart & push light out from the pivot.

10. Fit light to new light bracket supplied (ref.Diag.7).



DIAG.7

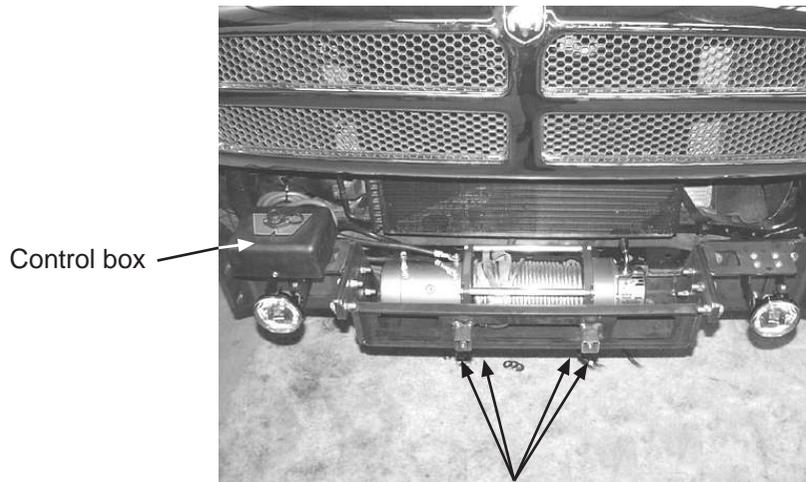


DIAG.8

4-M6x20

11. Mount driving light brackets with M6x20 bolts, whizlok nuts & washers & reconnect wiring (ref.Diag.8).

12. Fit winch into the winch box using the 4 bolts supplied with the winch, from underneath the winch box (ref.Diag.9).



DIAG.9

Bolt up from underneath the winch box

13. Mount power control box to the top right hand mounting bracket using bolts & nuts on control box (ref.Diag.9)

14. Connect all winch cables & wiring as per instructions supplied with the winch.

15. Cut rubber bands securing winch cable & pull the end of cable through the front hole of the winch box.

16. Lift bullbar into position, carefully over lights and fit 6- M12x40 bolts through mounting gussets on bullbar (ref.Diag.10). Adjust bullbar level to body and tighten in position [torque 77Nm(57ftlb)].



DIAG.10