

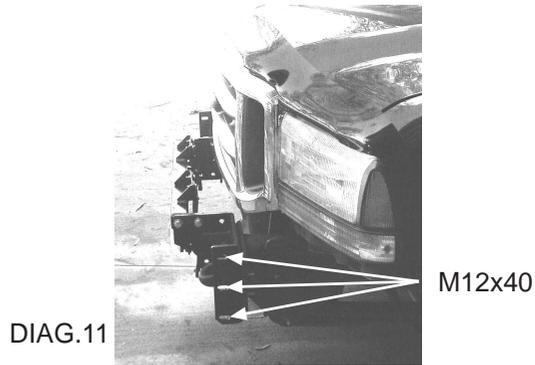
FITTING INSTRUCTIONS

TOOLS

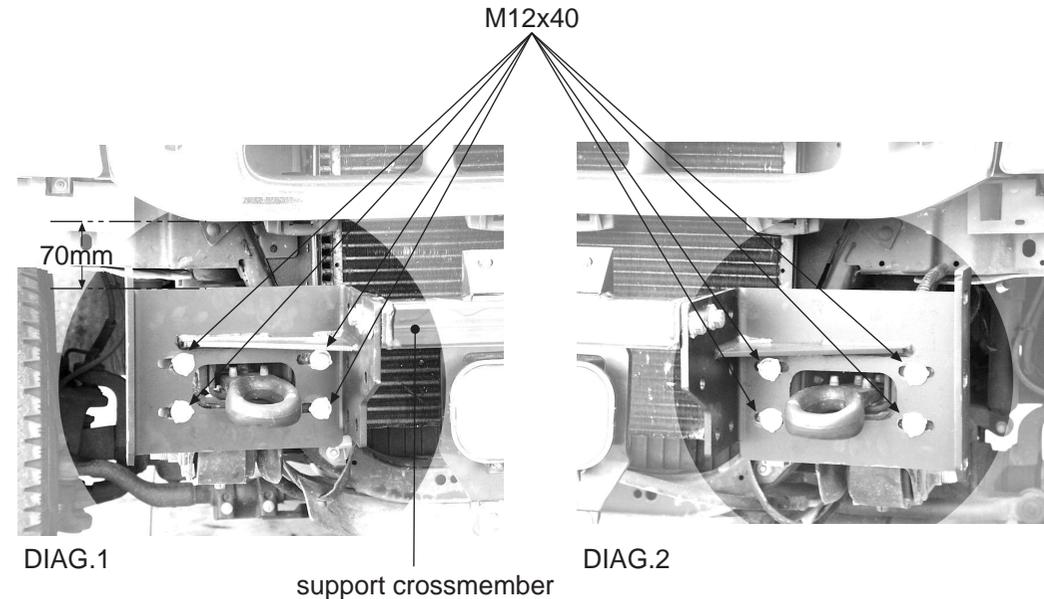
- 10mm Socket
- 18mm Socket
- 19mm Socket
- Torque Wrench
- 10mm Spanner
- 18mm Spanner
- 19mm spanner
- Phillips Screwdriver

INSTALLATION

1. Remove existing bumper
2. Unbolt brackets from back of bullbar. Leave middle support crossmember in place.
3. Bolt brackets to front of chassis with M12x40 bolts, ø12 structural washer under bolt & under nut, & M12 nyloc nuts. Do not tighten (ref.Diag.1&2)
NOTE: If fitting winch box , fit top bolts only.
4. Centralize brackets relative to the body, set top of bracket 70mm to underside of grille (ref.Diag.1) & tighten [torque 77Nm(57ftlb)]

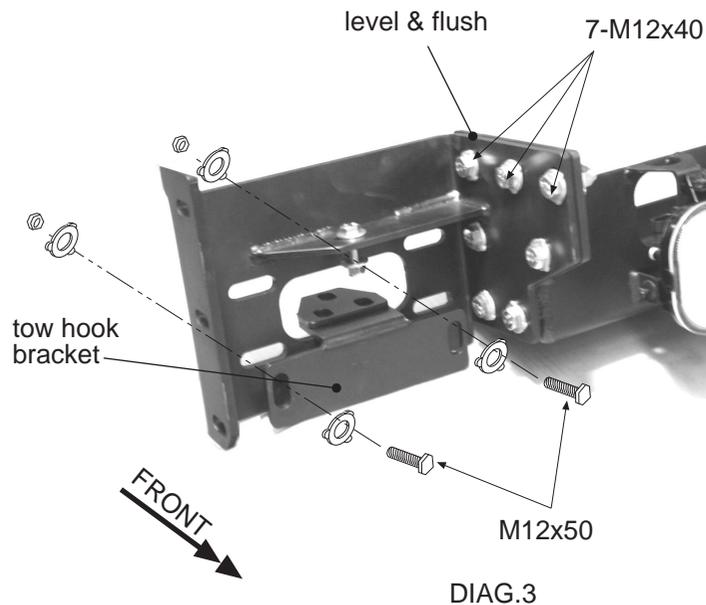


28. Bolt driving light angle brackets to bullbar with M6x20 bolts and tighten all bolts.
29. Reconnect driving lights & adjust if necessary using a screw driver up behind the lights.
30. Replace rubber stone guard under radiator, to bottom of bullbar with 3- M6x20 bolts (ref.Diag 10)



IF **NOT** FITTING WINCH, PROCEED TO STEP 25
IF FITTING WINCH, PROCEED AS FOLLOWS

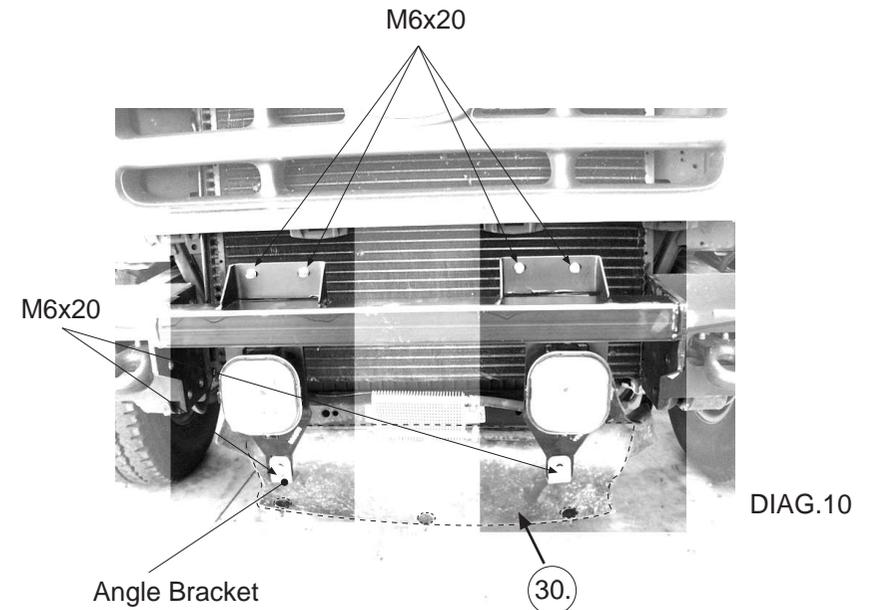
- Remove support crossmember from between mounting brackets and discard.
- Bolt winch box in between mounting brackets, level and flush with top of bracket (ref.Diag.3). Use 7- M12x40 bolts each side with $\varnothing 12$ washers under bolt & under nut, & M12 nyloc nuts [torque 77Nm(57ftlb)].



- Remove tow hooks from chassis.

IF **NOT** FITTING WINCH

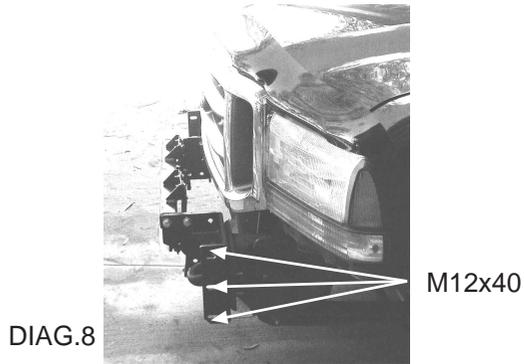
- Fit driving light support brackets into position as shown with M6x20 bolts but leave loose (ref.Diag.10).



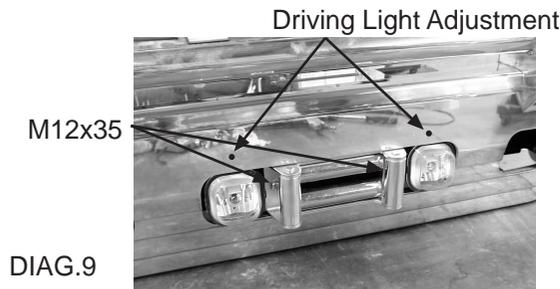
- Fit angle brackets onto bottom of driving light support brackets with M6x20 bolts & leave loose. (ref.Diag.10).

- Lift bullbar into position, carefully over lights & fit 6- M12x40 bolts through mounting gussets on bullbar (ref.Diag.11). Adjust bullbar level to body, and tighten in position [torque 77Nm(57ftlb)].

19. Lift bullbar into position, carefully over lights and fit 6- M12x40 bolts through mounting gussets on bullbar (ref.Diag.8). Adjust bullbar level to body and tighten in position [torque 77Nm(57ftlb)].



20. Pull winch cable through & fit Fairlead onto the front of winch box using 2- M12x35 bolts, spring washers, & flat washers (ref.Diag.9).



21. Fit on winch hook to winch cable.

22. Reconnect driving lights & adjust if necessary by using a screw driver through hole in front of bumper (ref.Diag.9)

23. Replace rubber stone guard under radiator, to bottom of bullbar with 3- M6x20 bolts.

24. IMPORTANT: Read Winch Manual thoroughly before operation.

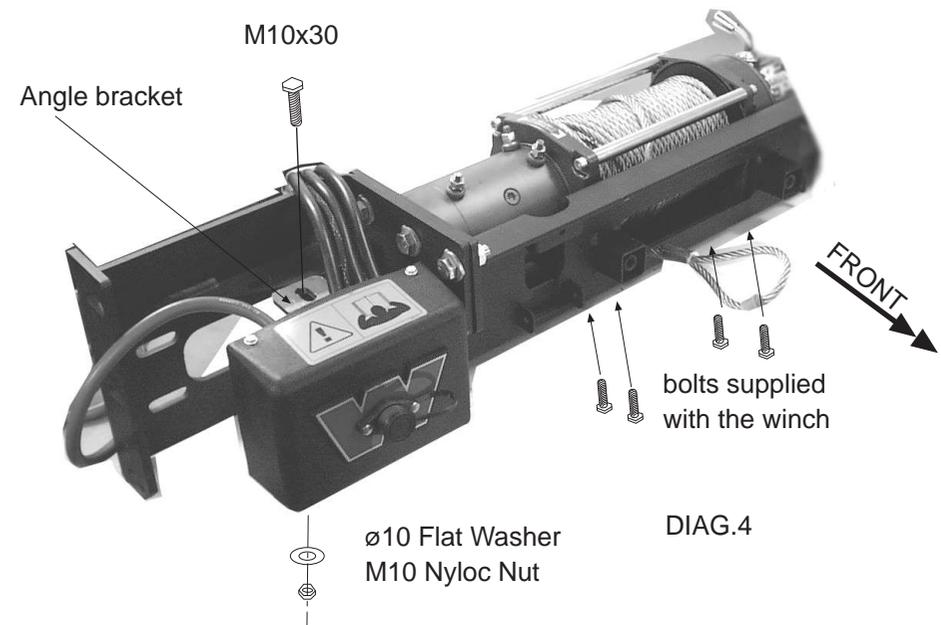
8. To Left Side, fit tow hook bracket supplied as shown (ref.Diag.3), using 2- M12x50 bolts each side through 2 bottom mounting bracket slots with structural washers & nyloc nuts, & tighten.

9. Replace tow hook on top of bracket & bolt through from bottom of chassis using 3- M12x60 bolts, spring washers & flat washers.

10. To Right Side, fit tow hook bracket supplied using 2- M12x50 bolts each side through 2 bottom mounting bracket slots with structural washers & nyloc nuts & tighten.

11. Do **not** refit tow hook to this side. Bolt through to bracket from bottom of chassis using 3- M12x60 bolts, flat washers under bolt & nut, & nyloc nuts.

12. Fit winch into the winch box using the 4 bolts supplied with the winch.





FORD F 250/350/450

BULLBAR FD-VL01S

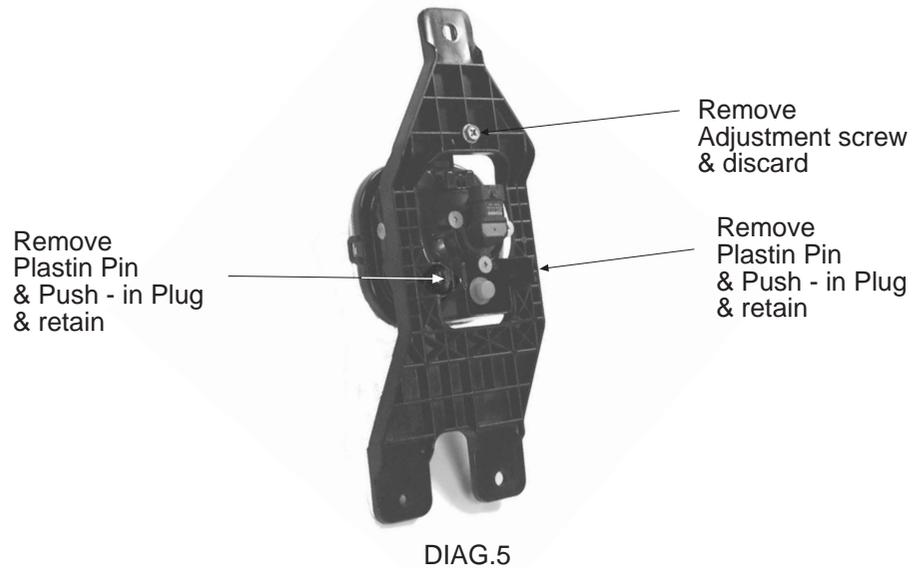
(WITH WINCH OPTION)

13. Fit angle bracket (supplied in bolt kit) to back of power control box & then mount to front of right hand mounting bracket (ref.Diag.4) using M10x30 bolt, \varnothing 10 flat washers under bolt & nut, & M10 nyloc nut

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. Remove driving light from plastic support bracket. Pull out plastic pins & plugs from bottom of light pivot & retain, and remove adjustment screw & discard (ref.Diag.5).

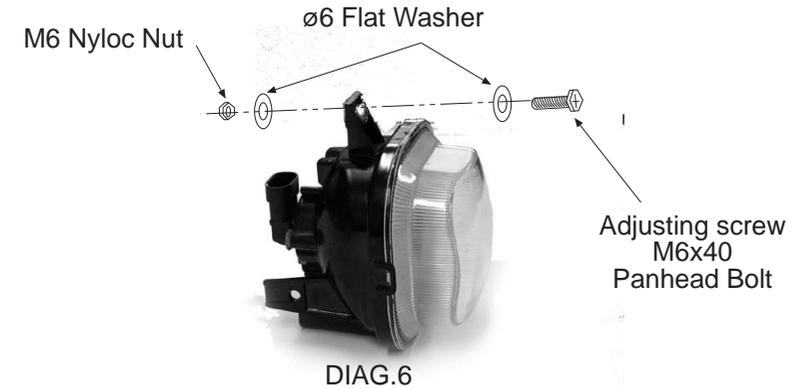


FORD F 250/350/450

BULLBAR FD-VL01S

(WITH WINCH OPTION)

17. Assemble adjusting screw supplied onto light as shown (ref.Diag.6) & tighten nyloc nut until firm so that adjusting screw can still turn.



18. To assemble light onto front of winch box, insert push - in plastic plugs & pins into pivot bracket, swing light up into position & screw adjusting screw into top bracket (ref.Diag.7).

