

Bullbar Installation Guide

Part Number: BU45-3539, BU45-3701, BU45-3700

Fits:



Nissan Navara D23 NP300



This Bullbar will take approximately 3 hours to install

Tools required are

- Spanners and socket set.
- Screwdrivers
- Pliers and side cutters

Dobinsons BULLBARS should be installed by a qualified installer and it is the installer responsibility to ensure correct fitment.

Fully read and understand the instructions before beginning the installation



Parts List:

1. Bolt M10 x 1.25 x 30, 12 pcs
2. Bolt M10 x 1.25 x 100, 2 pcs
3. Bolt M12 x 1.5 x 35, 6 pcs
4. Bolt M12 x 1.5 x 35, 2 pcs
5. Nuts M10 x 1.25, 14 pcs
6. Nuts M12 x 1.5, 6 pcs
7. Washer M10, 28 pcs
8. Square Washer M12, 20 pcs
9. Main Bullbar Winch Bracket, 1 pcs
10. Outer Chassis Support Bracket, 1 pair
11. Inner Chassis Support Bracket, 1 pair
12. Lower Plate Bracket, 1 pcs
13. Rubber Headlight Infills, 1 pair
14. 3 x Under Protection Plate, 1 set
15. Bolt M6 x 1 x 15, 21 pcs
16. M6 Clip Nut, 21 pcs

Fitting Guide

1. Remove the number plate.
2. Remove the screws and bolts from the top of the grill.

Please take a few clear photos



3. Remove the screws from the front outer sections of the grill and reach down in behind the bottom of the grill and carefully unclip the grill from the top of the bumper then remove the grill.

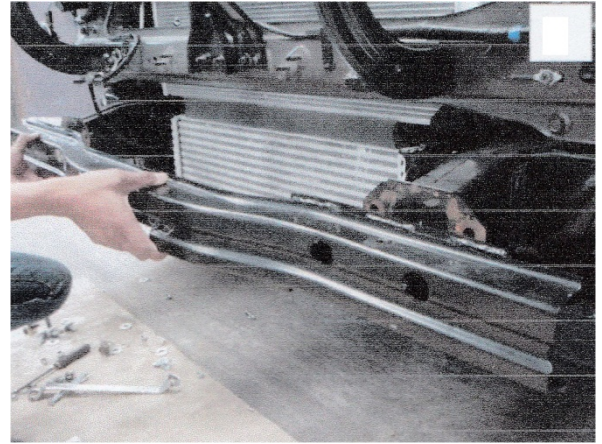
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4. Remove the clips along the inside edges of the wheel arches on both sides.
5. Remove all the fasteners securing the bottom edge of the bumper, sides and top of the bumper to the vehicle and disconnect the fog lights if fitted.
6. Starting from each outer edge of the top of the bumper, gently unclip the bumper.
7. Carefully remove the bumper from the vehicle, and remove the bumper reinforcement bar. Remove the recovery points and put aside for later fitment.



Please take a few clear photos



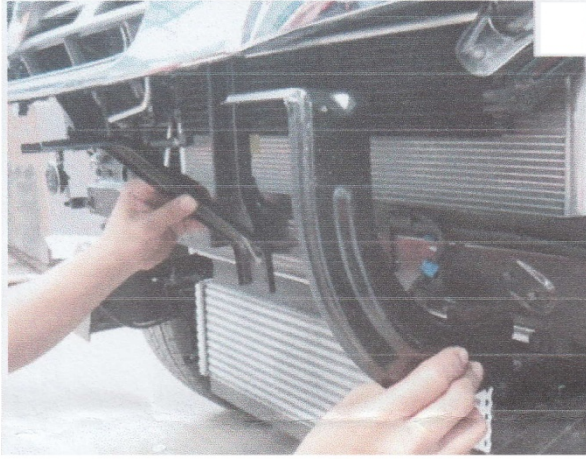
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8. Remove the outer bumper support brackets.



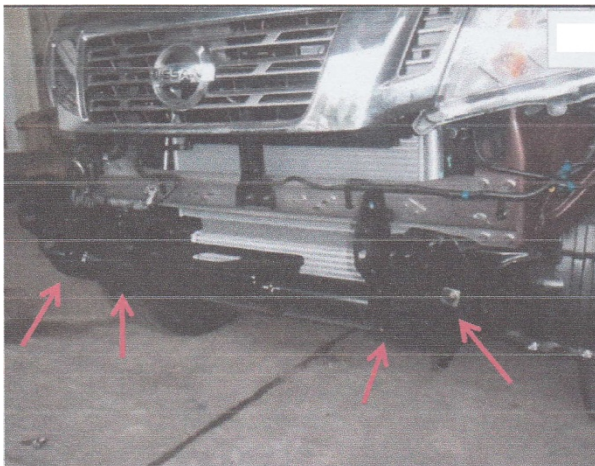
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9. Refit the grill to the vehicle.
10. Remove and discard the inner and outer bumper support brackets from both sides of the vehicle.



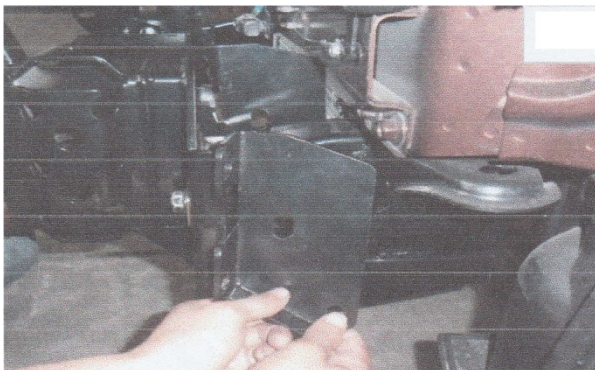
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11. Fit the main bullbar mounting bracket using the original bolts removed in step 7 from the bumper support.

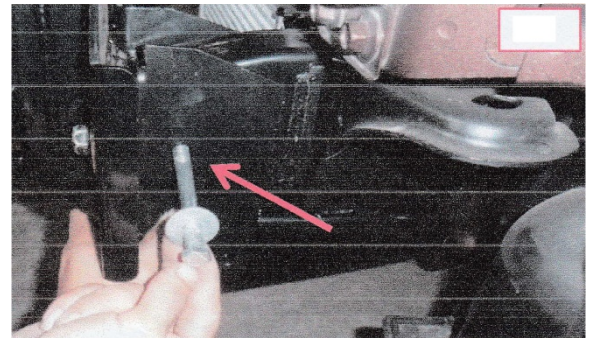


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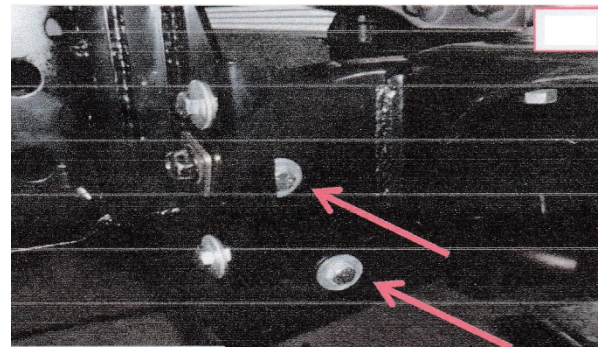
12. Loosely install the inner and out chassis support brackets to the chassis using the 100mm long bolts through the centre of the brackets and through the chassis. Use the remaining M10 and M12 bolts, nuts and washers to secure the brackets to the chassis and to the main mounting bracket.



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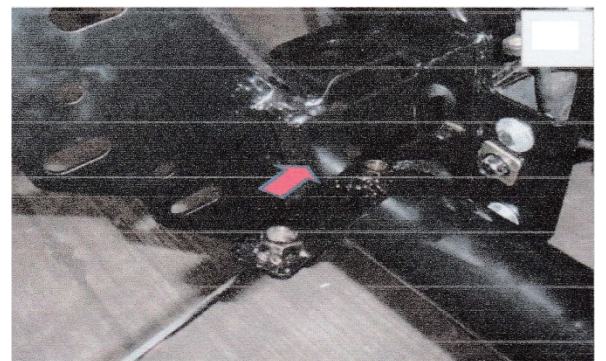


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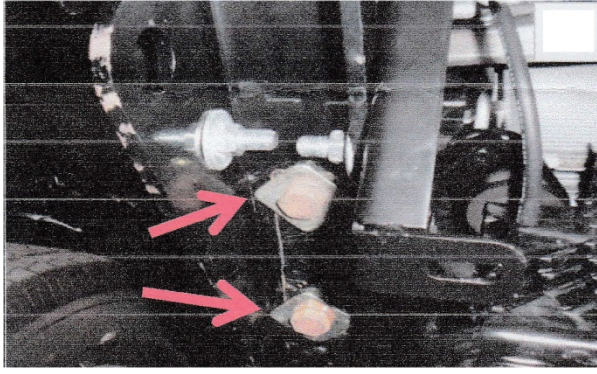
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13. Slide the lower plate bracket into the right hand side chassis rail through the front of the bullbar bracket and into the chassis rail and using the bolts provided secure the bottom of the main bullbar bracket to this plate bracket loosely.



Please take a few clear photos

14. Re-install the factory recovery point to the left hand side of the vehicle under the main bullbar bracket and secure with bolts.



Please take a few clear photos

15. Ensure the bullbar mounting bracket is central to the vehicle and as low as possible and tighten all fasteners.

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16. Carefully un-wrap the bulbar taking care not to scratch it especially on the top loops. Reinstall the number plate to the bullbar as it is easier now. If installing driving lights to the bullbar it is easiest to install now.
17. If not installing a winch skip to step 26.
18. See the Installation section of your Dobinsons 4x4 Winch manual for specific detailed fitting instructions. For a brief overview see the following steps.
19. Test fit your winch to the mounting bracket and do up loosely with the clutch handle on the left hand side of the vehicle.

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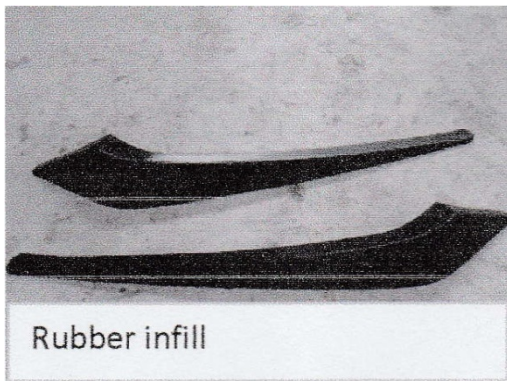
20. This may require the clutch handle and gear-box housing to be rotated forward one or 2 bolt holes to allow easy access through the bulbar holes. See instructions in winch user manual.
21. Determine where the winch control box will be located and mount the control box. See instructions in winch user manual for control box mounting options. If mounting to the top of the bullbar using the supplied bracket, check clearance of control box to grill and also check where the wires will route as if the wires are passing through the holes in the top of the bullbar the control box may not be able to be wired until the bullbar has been fitted as below.
22. Wire the winch up as per the winch instruction manual and bolt the winch to the mounting bracket, ensure the mounting bolts



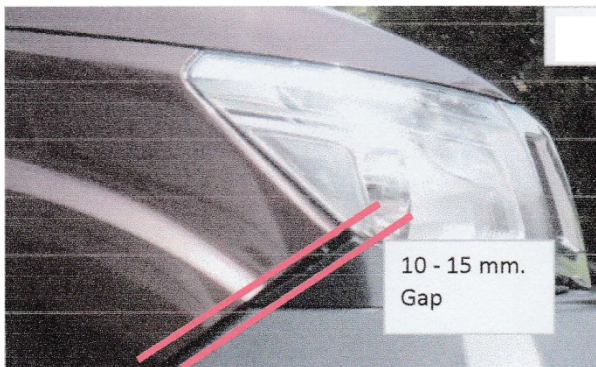
are not too long and tighten correctly. Route the wires and connect to battery and also route the breather hose.

23. Unwind some cable from the winch, and pass the cable through the fairlead hole in the bullbar and through the roller fairlead. This may require removing a circlip from the fairlead and re installing once the cable is passed through.
24. Install the roller fairlead into the bulbar.
25. Check the poly bulbar over riders, fog light and top loop bolts are tight (Do not over tighten the stainless steel loop mounting bolts. Do not over tighten the poly bullbar over riders as they will pull the over riders out of shape).
26. Wire up the lights. Using a multimeter or test light first locate the earth wire, parker positive and indicator positive wires from the wiring on the back of the original vehicle lights on each side.
27. Unclip the wiring from the indicator/parker lights. Check that the wiring will be long enough to reach the new bullbar indicator/parker lights and extend if required. Using the diagram at the end of this manual, join the corresponding wires to original vehicle wires located in the previous step. The wires can be joined by either using good quality snap lock crimp connectors or by soldering. Ensure the connection is secure and is sufficiently insulated.
28. If fitting a bullbar with fog lights, the fog lights can be connected using the original vehicle fog light wires if fitted. If required, cut the old fog light wiring plugs off and cut the new fog light wiring plugs and join. If the vehicle is not fitted with OEM fog lights the wiring loom supplied can be used. Follow the wiring diagram at the end of this manual.
29. Install the under-headlight rubber fill in pieces to the bullbar.

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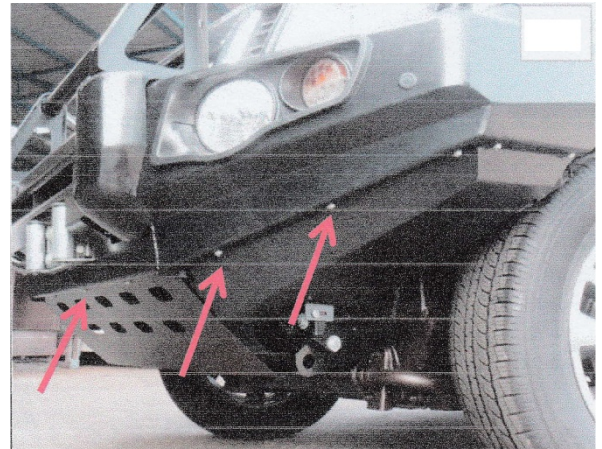


30. With help, fit the bulbar into position and install nuts and bolts supplied.
31. Align the bar, leaving as big of a gap as possibly between the top of the bullbar wings and the vehicle quarter panel, this gap must be a minimum of 10mm on each side at the back of the wing tip of the bulbar.



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32. Once you are happy with the alignment tighten the nuts and bolts on each side.
 33. Once happy with the alignment of the bullbar drill 2 x 8mm pinning holes on each side of the bullbar drilling through both the mounting bracket mounting plate and bullbar mounting plate. Fix with 8mm bolts and nyloc nuts to keep the bullbar in its position. This may be easiest performed by drilling with a small bodied drill from the inside or a right angle drill chuck from the outside.
- Please take a few clear photos**
34. Plug the wires into the indicator, parker light plug and fog lights. Test all lights and adjust the position of the fog lights if required.
 35. Fit the under bar protection kit now with the bolts supplied and tighten all nuts and bolts in all under protection plates.



Please take a few clear photos

36. Check over all items removed during installation.
 37. Trim the wheel arch splash guards level with the bottom of the under protection plates/vehicle body and secure.
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38. IMPORTANT NOTES: It is important to inform the customer that headlight adjustment may also be required due to the change in ride height. It is also important to inform the customer that there will be a change in vehicle handling characteristics. It is also important to note that due to their nature fog lights are required to provide a yellow light to allow clear fog vision. For this reason Dobinsons bullbars utilise a Halogen bulb. Halogen bulbs generate a considerable amount of heat to achieve the yellow colour and this causes the air inside the fog light lens to expand and contract. For this reason the fog light assembly cannot be sealed and has a small breather on the back. In some cases this may cause condensation to form inside the fog light. The customer may choose to seal the lens of the fog light but must not seal the rear breather.