

# Bullbar Installation Guide

Part Number: BU59-3533 & BU59-3688 & BU59-3696

Fits:



## Toyota Landcruiser 200 Series Facelift Models



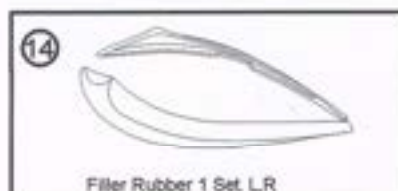
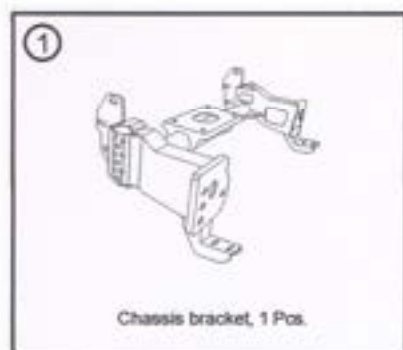
***This Bullbar will take approximately 3 hours to install***

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.***

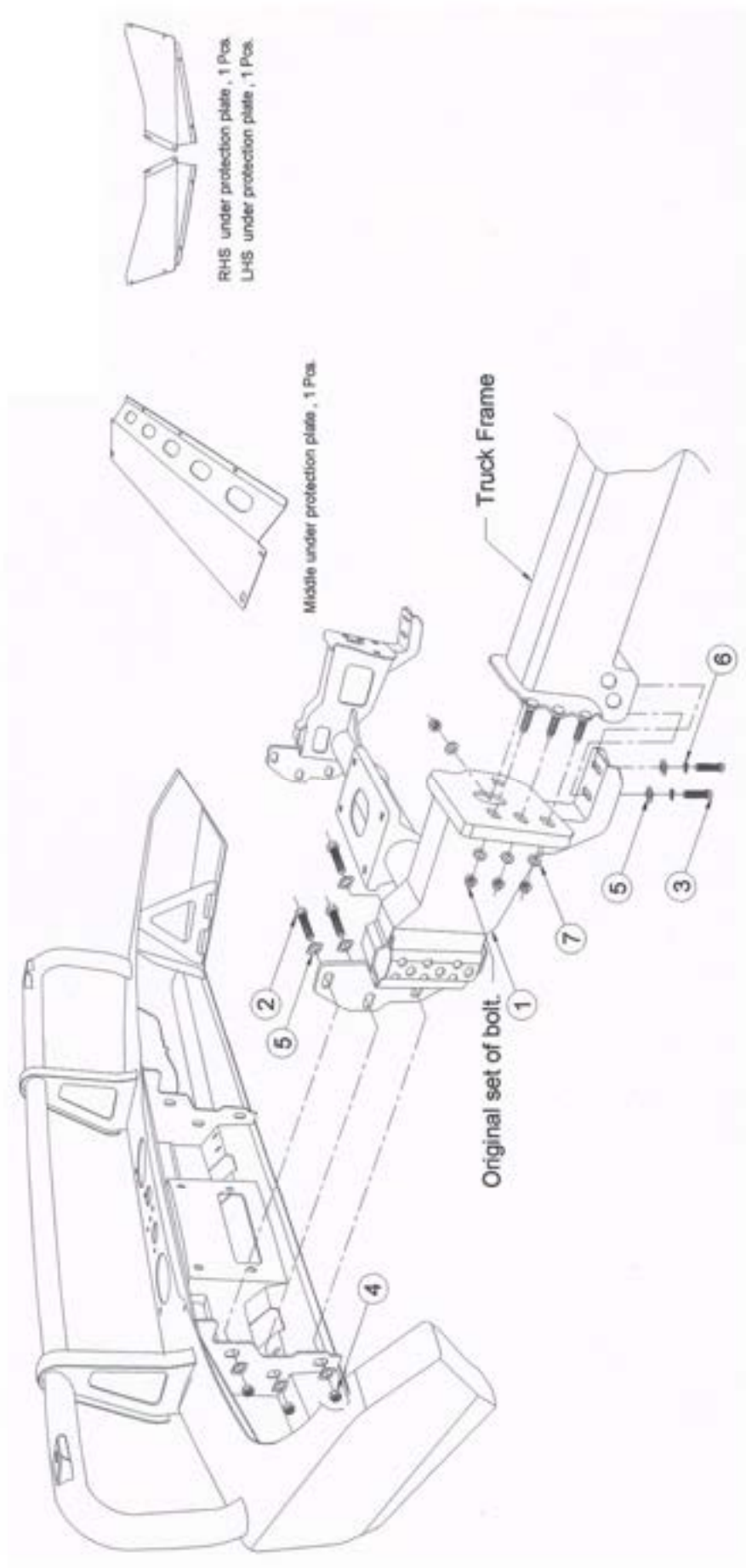
*Fully read and understand the instructions before beginning the installation*





**Part#**  
**BU59-3533**  
**BU59-3688**

**Fitting Instructions**



## Fitting Guide

1. Remove the number plate.
2. Remove the grill by removing the bolts in the top and bottom, and then un-clipping the lower rectangular clips and the clips on the side. The side clips are quite difficult as they are hidden.



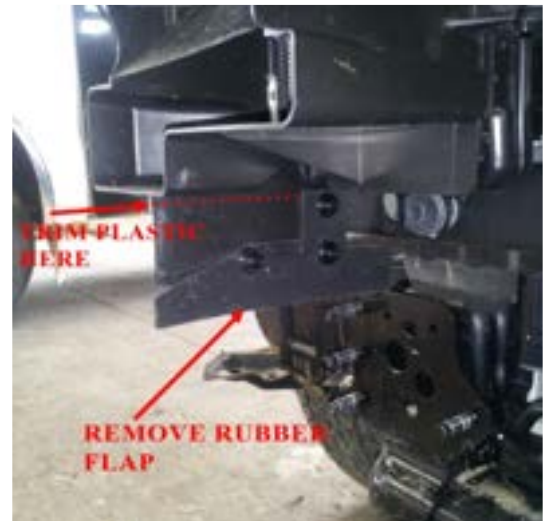
3. Remove the plastic protective plates underneath the OE bumper.
4. Remove the screws and scrivets on the OE bumper. They are located on the bottom, along the top and at the back on the inside of the wheel arch.
5. Now starting from the wheel arch carefully unclip the bumper then unclip underneath each headlight and carefully remove.



6. With the bumper off you can now remove the foam strip. Then remove the aluminium bumper mount.
7. Remove the factory bumper mounts and tow hooks.



8. Remove the rubber flap at the bottom on the right hand side, then trim the plastic guard as shown to accommodate the bullbar mounting bracket.



9. Install the bullbar mounting bracket with the fastening hardware supplied, ensuring it is central. The tow hooks are re-installed under the bracket.
10. Carefully un-wrap the bullbar taking care not to scratch it especially on the top loops. Reinstall the number plate. If installing driving lights to the bullbar it is easiest to install now.
11. If not installing a winch skip to step 21.
12. See the Installation section of your Dobinsons 4x4 Winch manual for specific detailed fitting instructions. For a brief overview see the following steps.
13. Test fit your winch to the mounting bracket and do up loosely with the clutch handle on the left hand side of the vehicle.



14. You may have to cut and bend the centre brace to allow clear the winch drum as seen below.



15. 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.



16. 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 bulbar 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 bulbar the control box may not be able to be wired until the bulbar has been fitted as below.
17. 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.
18. Reinstall the grill and top cover.
19. Unwind some cable from the winch, and pass the cable through the fairlead hole in the



bulbar and through the roller fairlead. This may require removing a circlip from the fairlead and re installing once the cable is passed through.

20. Install the roller fairlead into the bulbar.
21. 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 bulbar over riders as they will pull the over riders out of shape).
22. Fit the rubber under headlight inserts to the bulbar, do not over tighten the bolts.
23. With help, fit the bulbar and loosely fit the mounting hardware supplied.
24. Check for clearance on the winch control box and access for the clutch handle and winch controller socket.
- NOTE: If fitting bulbar to a vehicle with headlight washers you will be required to purchase a universal washer nozzle from your local auto parts store and follow the instructions at the end of this manual.**
25. If fitting to a vehicle with parking sensors, the parking sensor holes will need to be filed out just slightly to allow the plastic seating rings from around the sensor to fit correctly into the bulbar without breaking
26. Align the bulbar to the vehicle leaving at least a 13mm gap at the bulbar wing to the bottom of the quarter panel and tighten the mounting bolts.



27. 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.
28. 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.
29. 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.
30. 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.
31. 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.
32. Check over all bolts to ensure they are tight.
33. Using the fastening hardware supplied fit the under bar protection kit.
34. Remove the plastic wheel arch section hanging down or trim flush with the bottom of the under protection plates and secure.
35. Check over all nuts, bolts and screws and other items removed during installation.
36. **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.

# Headlight Washer Nozzle Installation



## Universal instructions for all bullbar.

It is a requirement by Australian vehicle design rules that vehicles fitted with some HID / Bi-Xenon headlights require the lights to have headlight washers and must be a self levelling design.

If fitting your Dobinsons bullbar to a vehicle that has headlight washers equipped from the factory, and fitting a Dobinsons bullbar removes these, then it is a requirement to fit headlight washers to your Dobinsons bullbar.

This procedure is quite simple and should not take too long.

Firstly you will need to purchase some universal headlight washers. Dobinsons recommend a universal type available

## Parts Required:

- Universal washer nozzles - part type NWN500 is a universal washer nozzle available from retails like Autobarn and Supercheap and are available with twin nozzle or single nozzles. Dobinsons recommend either 2 single nozzles for each side of the bullbar or 1 twin nozzle for each side of the bullbar. This may also depend if you have a single hose available for each nozzle or twin hose or a single hose with tee piece
- Universal small rubber hose may also be required depending on the vehicle
- 6mm barbed tee piece

## Tools required:

- Drill and Drill Set
- Measuring equipment & masking tape
- Spanners and socket set.
- Screwdrivers
- Pliers and side cutters

Instructions shown below are shown on a landcruiser 200 series.

## Relocation of 200 series landcruiser washer nozzle



Step 1.

Remove check valve out of washer nozzle to be relocated into bullbar.





Check placement and direction of washer nozzles



Remove the factory check valve from one of the headlight washers. Grind down the tabs on each end a little. Leave a small bit of the tab there to help lock the hose.



On the larger feed hose in the centre of the vehicle – come back a few inches from the plastic elbow and make a cut to install the check valve as seen below. Install the checkvalve into the rubber hose (this is quite tight) and secure with cable ties.





Secure this section of hose up behind the grill under the cross beam with a cable tie – this keeps the water between the check valves and washer nozzles from pooling and dripping from the check valve.



The smaller hose will split into 2 running to either side. At the end of each side add a small 6mm barbed Tee piece and secure- This allows fitment of the 2 universal nozzles. Secure each connection with a small cable tie.





Mask the bar and position the nozzles on the bar to get the optimum spray coverage of the headlight. This may require connecting of the nozzles and testing to find the best position.



Once a suitable position is found holes can be drilled to suit the size of the nozzle and the nozzles installed. Do the same on both sides. Remove the drill shavings and rust proof the holes carefully with paint - a cotton bud or small brush is recommend to apply paint. Shown on a landcruiser 200 series above, 160mm in from the loop and 47mm back from the front of the bar

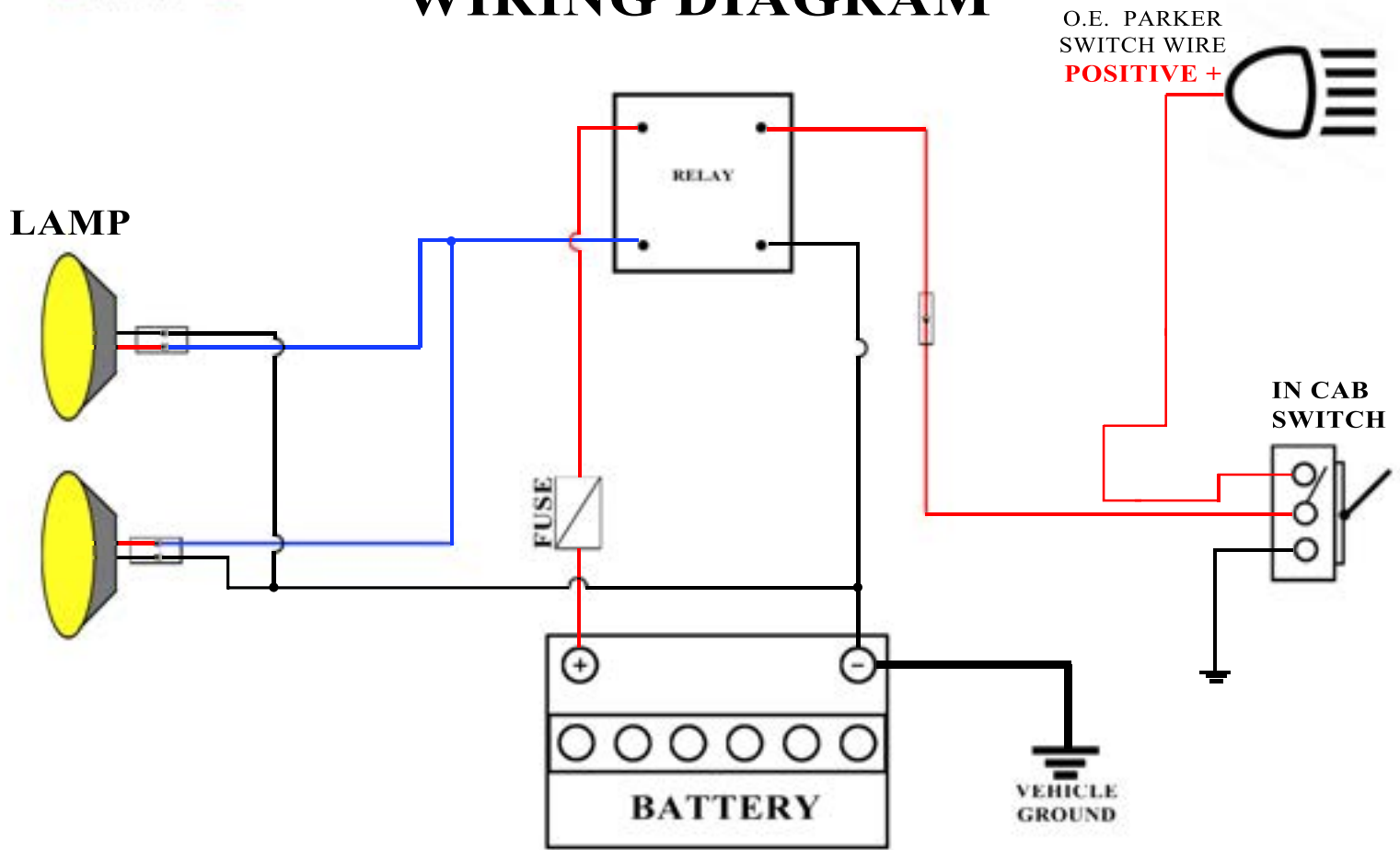


Finished fitment on colour coded bar.

2015 200 series vx landcruiser.

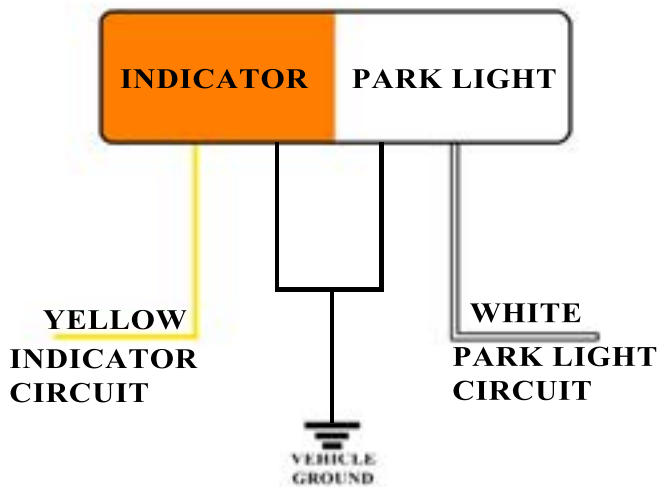


# FOG LIGHT WIRING DIAGRAM

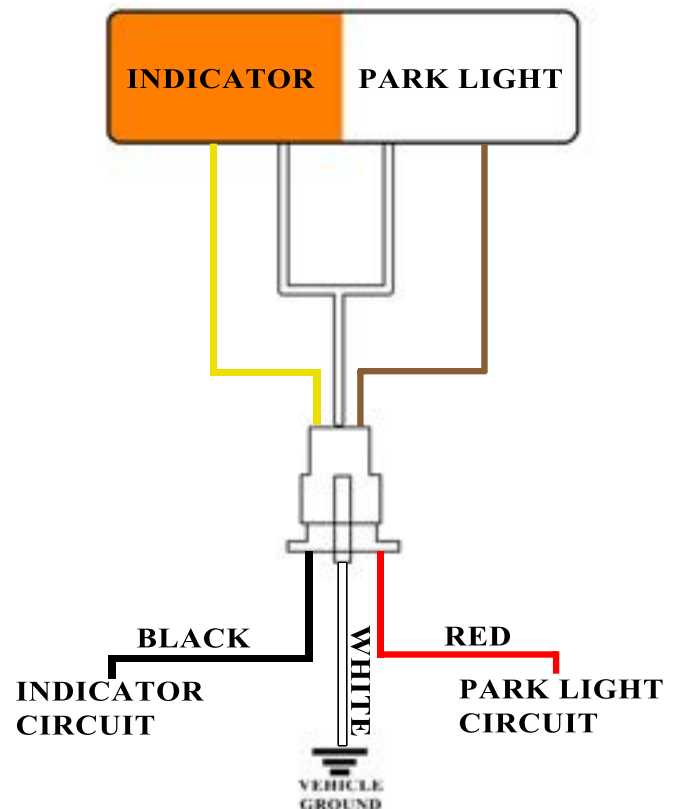


**CHECK THE PARKER/INDICATOR WIRING LIGHT CONFIGURATION  
AND USE THE CORRECT WIRING DIAGRAM AS SEEN BELOW**

**TYPE 1 - YELLOW,BLACK WHITE  
FROM LIGHT AND CONNECTOR**



**TYPE 2 - YELLOW, WHITE, BROWN FROM LIGHT  
BLACK, WHITE, RED FROM CONNECTOR**





## **Customer Copy: Bullbar Care Instructions**



To ensure the surface finish quality it is recommended that the bullbar be washed and cleaned regularly to prevent build up of dirt and contaminants which when exposed to the elements can degrade the surface finish. It is highly recommended to use a quality Carnauba wax on the bullbar powder-coat once a year to ensure a long lasting quality finish. It is also recommended that the mounting fasteners on the bullbar be checked after 1000km's. Winch servicing and care should also be carried out as per the winch instruction manual.

## **Stainless Loop Deluxe Bullbar Loop Care and Maintenance**

*(Customers with Stainless Loop Deluxe Models Only)*

The top loops on your Dobinsons Stainless Loop Deluxe steel bullbar are manufactured from high quality 304 grade stainless steel. Once formed and welded it is highly polished to provide a high gloss finish. Whilst the material is a high quality stainless steel, like any other exterior polished surface, care and some maintenance is required to ensure the surface finish quality.

It is recommended that the stainless loops be kept as clean as possible and is thoroughly washed and dried regularly to prevent build up of dust and contaminants. This is especially important in coastal and high dust areas. The loops can simply be cleaned with most regular car cleaning items like a soft sponge, car wash and a chamois, avoid strong cleaning chemicals. Like many other highly polished exterior metals, over extended periods of time and heavy weathering can cause some staining of the surface may occur. If this occurs the surface can be simply polished using the following methods to remove the stains and restore the high gloss surface using simple tools and cheap readily available polishing items.

### **Tools Required:**

- Electric buffer or Electric drill (an electric/cordless drill is generally more convenient).
- Polishing compound – This can be supplied by Dobinsons Spring and Suspension. Please contact head office on the details below for polish, as a specific type is used.
- Soft finishing type buffing wheel – The buffing wheel should be a soft, finishing type/Calico loose leaf style to allow the surface to be polished to a high gloss without further marking the surface. The 2 types of discs shown below are readily available from most hardware stores (Australian customers – Bunnings etc). The brand below is Josco, and if purchasing a twin pack ensure that only the finishing buff is used and not the cutting buff. **DO NOT USE METAL OR HARSH BUFFING PADS.**



## Method

1. The stainless loops may be removed from the bullbar if this makes it easier to work on, however if using a cordless drill this is not a necessity. If removing the loops, do not over tighten the loop retaining bolts when re fitting.
2. Ensure the loops are first completely clean and dry.
3. Fit the polishing buff wheel to the drill or buffing tool –take note of the maximum wheel speed and rotation direction.
4. It is recommended to follow specific instructions on the packaging of the buffing wheel for best results. However if no instructions are provided the following guidelines can be used:
  - A). Carefully dress the buff wheel with the compound across the rotating wheel for a few seconds, taking care not to apply too much compound, it is better to apply a little compound more frequently than to overdress the buff.



- B). Gently buff the work area with the buffing wheel and with light pressure move back and forth across the job.



- C). After polishing use a soft, clean, dry rag to clean the surface and inspect in the light for an even finish.
- D). Once complete clean thoroughly again with a sponge and warm water.