

INSTALLATION GUIDE

BOCAR BULLBAR - BPEPWBNP300

Suits: NISSAN NAVARA NP300



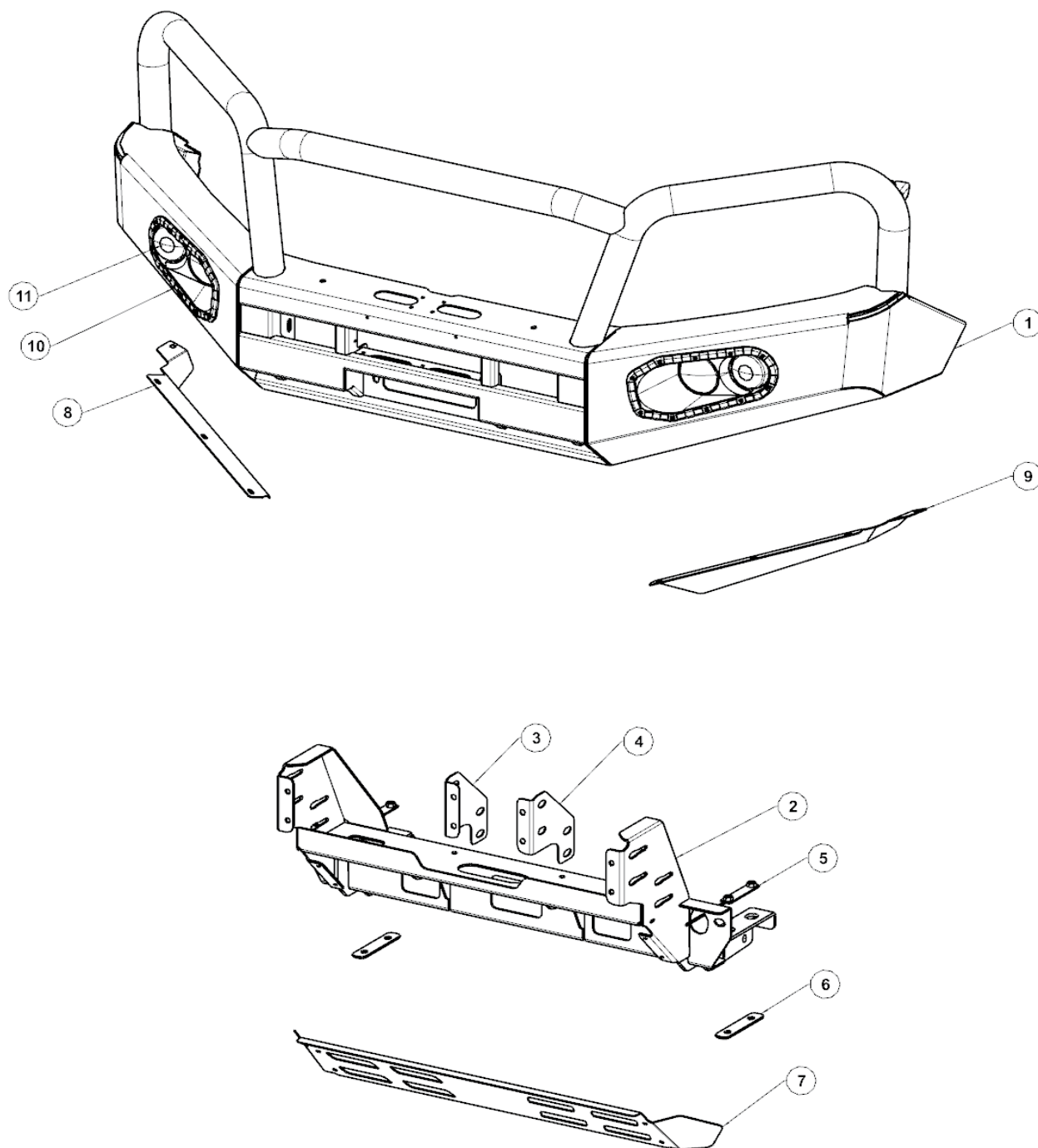
<http://www.bocar.com.au/products/Bullbars/BPEPWBNP300>



Important Notes:

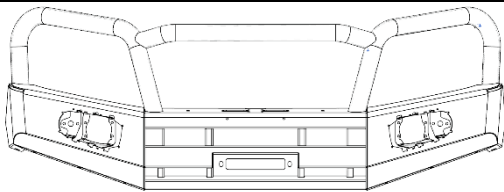
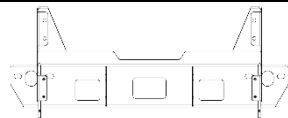
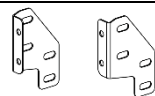


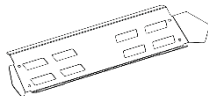

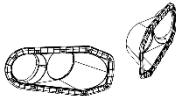
- Read instructions completely before commencing fitment.
- Additional fitting kits may be required for vehicles fitted with parking sensors, Radar, winch etc. Consult website or retailer.
- Bocar and its affiliated companies are not responsible for any damage that may occur to you or your vehicle during the installation of these products.
 - * Electrical system damage may be possible due to incorrect wiring or method and is the responsibility of the person fitting.
 - * Note: Incandescent test lamps are not recommended as damage to vehicle electronics is possible.
 - * Please consult an auto electrician if you are not comfortable with modifying the vehicles electrical system.
- (a) Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mountings bolts).
- (b) Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
- (c) Do not remove the plaque or label from the VFPS.
- (d) Do not modify the structure of the VFPS in any way.

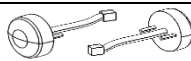


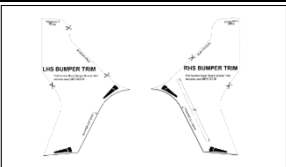






Bolt tensions	Dia. (mm)	Nm
All bolt tensions are as follows unless otherwise specified.	5	5
	6	9
	8	22
	10	44
	12	77







ITEM	PART NAME	QTY	PART NO.
1	BOCAR NAVARA NP300 BUMPER	1	BOCB0114
2	BOCAR NAVARA NP300 BAR MOUNT	1	
3	CLAMPING ANGLE RH	1	BOCB0123
4	CLAMPING ANGLE LH	1	
5	NUT PLATE	2	
6	WASHER PLATE	2	
7	CENTER GUARD	1	
8	WING GUARD RH	1	
9	WING GUARD LH	1	
10	INDICATOR AND FOG SHROUD	2	BOCG0002
11	BOCAR INDICATOR	2	
*12	WARNING LABEL	2	
*13	BOCAR LOGO STICKER	1	
14	BOCAR NP300 BUMPER TRIM TEMPLATE	1	
15	M5 X 20mm SOCKET HEAD CAP SCREW	20	




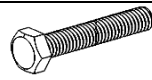
ITEM	PART NAME	QTY	PART NO.
16	M5 FLANGE NUT	20	
17	M6 CAGE NUT	8	
18	M6 SPRING WASHER	8	
19	M6 X Ø12.5mm FLAT WASHER	8	
20	M6 X 1.0 X 20mm HEX HEAD BOLT	8	
21	M8 X 1.25 X 30mm HEX HEAD BOLT	8	
22	M8 X 1.25 NYLOC NUT	8	
23	M8 X Ø19mm FLAT WASHER	16	
24	M12 X 1.25 X 35mm HEX HEAD BOLT	12	
25	M12 X Ø32 X 2.5mm FLAT WASHER	28	
26	M12 NYLOC NUT	12	
27	M12 SPRING WASHER	4	
28	M12 X 1.25 X 50mm HEX HEAD BOLT	4	
	Add Fasteners for towpoint!! High		

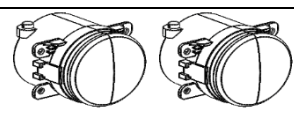
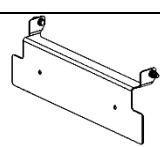
Item	Images
1	
2	
3,4	
5	
6	
7	
8,9	
10	

Item	IMAGES
11	
*12	2 x  WARNING LABEL
*13	1x  BOCAR LOGO STICKER
14	 TRIM TEMPLATE
15	20x  M5 X 20MM SOCKET HEADCAP SCREW
16	20x  M5 FLANGE NUT
17	8x  M6 CAGE NUT
18	8x  M6 SPRING WASHER
19	8x  M6 X Ø12.5mm FLAT WASHER
20	8x  M6 X 1.0 X 20mm HEAD BOLT

Note : *** Item 12 & 13 are fitted by factory. ***

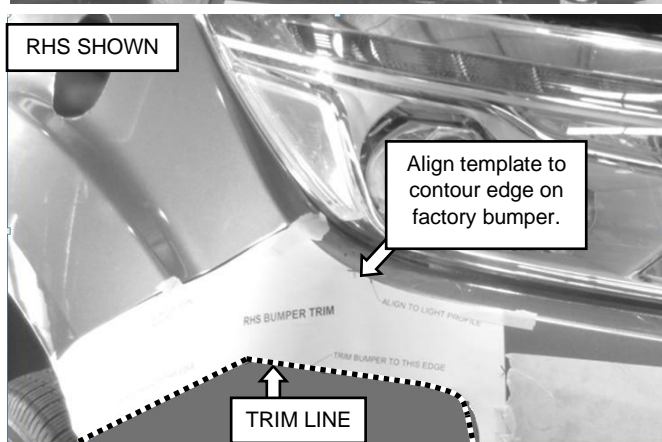
Item	IMAGES	
21	8x 	M8 X 1.25 X 30mm HEAD BOLT
22	8x 	M8 X 1.25 NYLOC NUT
23	16x 	M8 X Ø19mm FLAT WASHER
24	12x 	M12 X 1.25 X 35mm HEAD BOLT

Item	IMAGES	
25	28x 	M12 X Ø32 X 2.5mm FLAT WASHER
26	12x 	M12 NYLOC NUT
27	4x 	M12 SPRING WASHER
28	4x 	M12 X 1.25 X 50mm HEAD BOLT

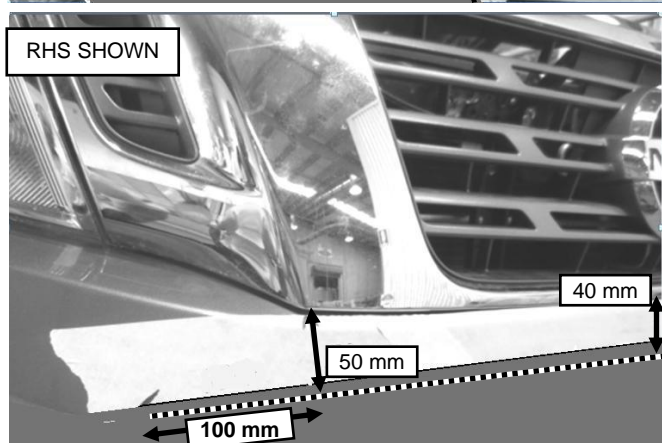
ADDITIONAL PART OPTIONS <i>(Purchased separately)</i>			
ITEM	ITEM NAME	PART NUMBER	IMAGES
1	LED Foglamp Set (BOCAR)	BPEPLEDFOG (4280300024)	
2	NUMBER PLATE MOUNT HINGED :Optional when winch fitted. Increased airflow.	BPEPKITLP01 (42803000030)	
3	WIRE HARNESS KIT :Required if vehicle not pre fitted with foglights	BPEPLEDFOGWIRE (4280300025)	N/A



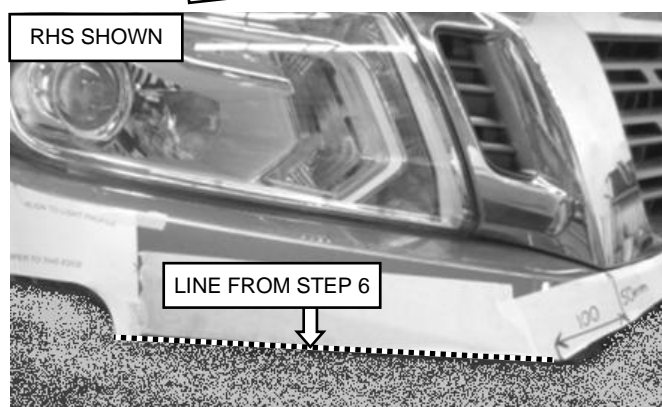
1. Before fitting, please check factory bumper and grill are compatible with your bull bar.



2. Cut out templates supplied, and attach it to bumper, then mark trim line on template as shown.

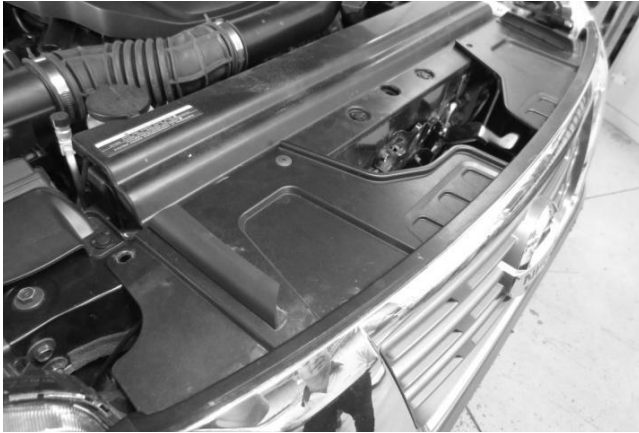


3. Measure and mark a point 40mm down from grill lower edge in center.
4. Measure and mark a point 50mm down from contour edge at grill corner as shown.
5. Mark horizontal line across bumper face with two points continue line through outer point approximately 100mm.



6. Mark a straight line from trimmed corner template to end of the previous marked line.

Repeat for opposite side



7. Remove and retain factory bumper, grille and radiator shrouds.

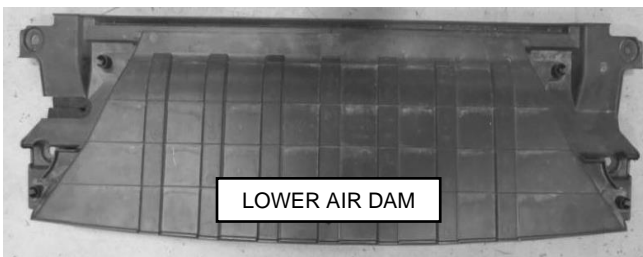


8. Trim bumper as marked, de-burr and clean edges and refit to vehicle using original fasteners in remaining positions.

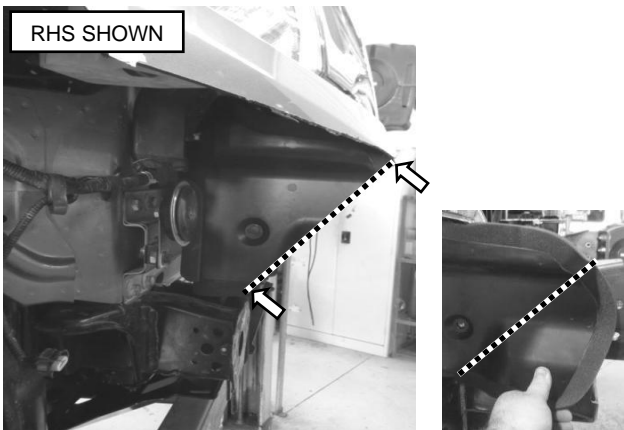


9. Remove and discard the front intrusion beam. Retain original bolts for re-use.

10. Remove and retain OE towpoint and fasteners.



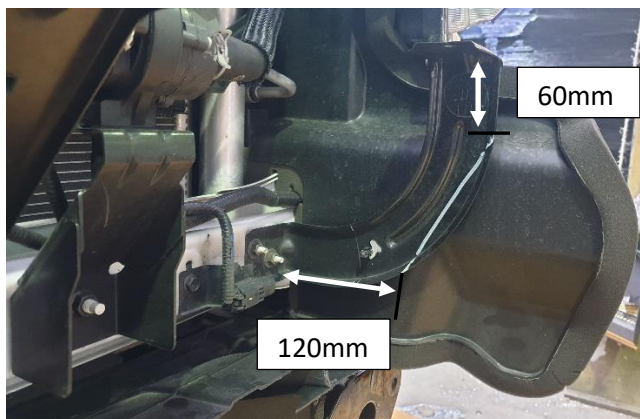
11. Remove and discard lower air dam and all lower skirt.



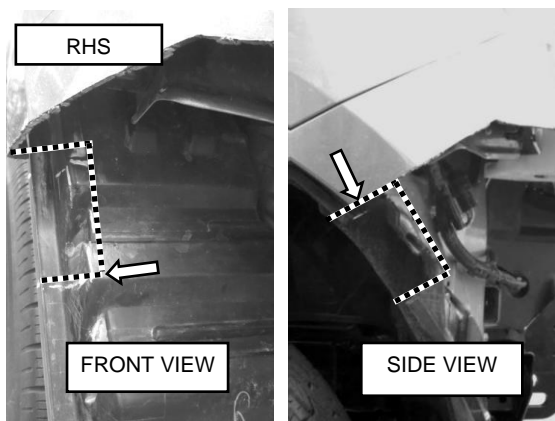
12. Mark a straight line from point where the air guides meets the trimmed bumper to the top edge of chassis end flange.

Trim the side air guide along the lines, then de-burr and clean edges.

Repeat for opposite side.

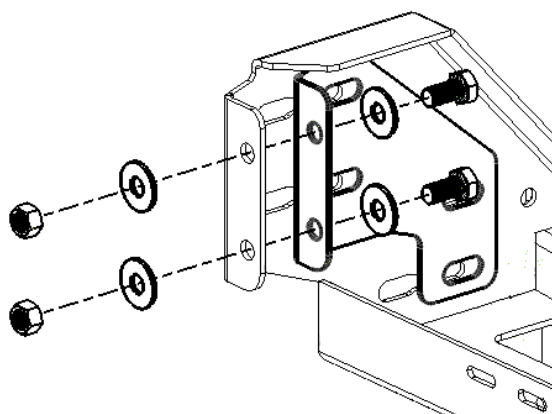


13. Mark a line on both bumper supports from a point 60mm down from top and 120mm out from bottom. Trim this section off and treat with rust preventative.



14. Mark a rectangular section using corner feature on wheel liner shown, up flush to bumper trimmed edge. Trim as shown.

Repeat for opposite side.



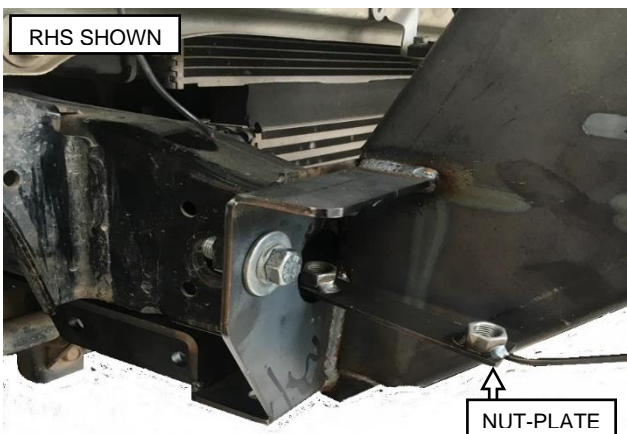
15. Fit clamping angles to inboard face of the winch frame on each side using :

- M12 x 1.25 x 35mm hex bolts (2)
- M12 x Ø32mm flat washers (4)
- M12 x 1.25 nyloc nuts (2)

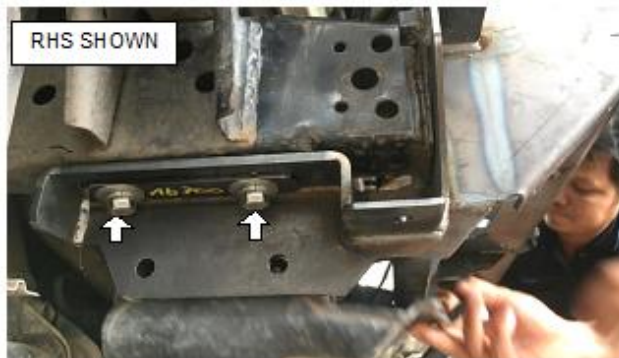
Align all slots before tightening.



16. Install winch frame (bar mount) on the vehicle chassis rail ends using original bolts from intrusion beam. Centralise and tighten in place.

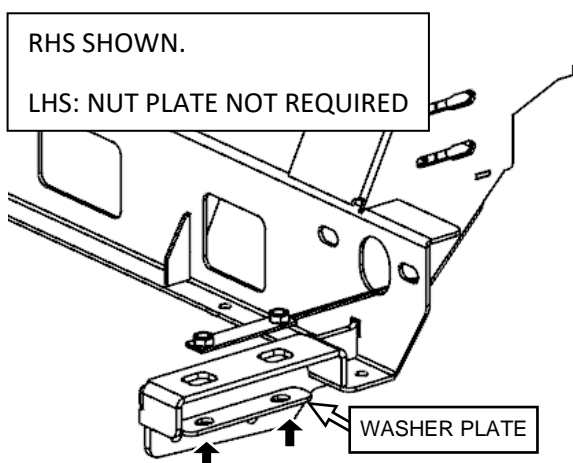


17. Insert the inner chassis nut-plate (M12) into the RHS Chassis through the chassis rail end plate, ensuring the M12 nuts of the nut-plate is positioned towards the top of the vehicle & position it over the two holes located in the underside of the chassis rail.



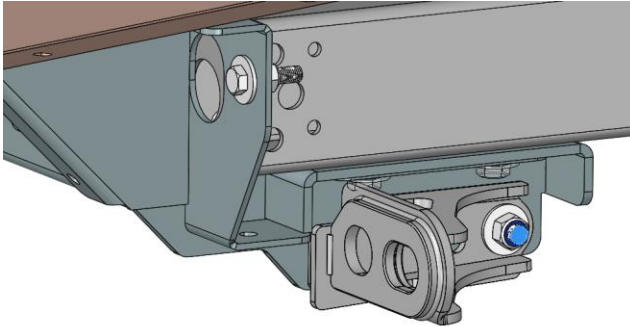
18. Align the holes in the inner chassis nut-plate with the holes in the chassis rail, then secure it in place as indicated with using fasteners below:

- M12 x 1.25 x 50mm hex bolts (2)
- M12 x Ø32mm flat washers (2)
- M12 spring washers (2)
- Washer plate (2)



19. For left hand side fasten into captive nuts already in underside of chassis using:

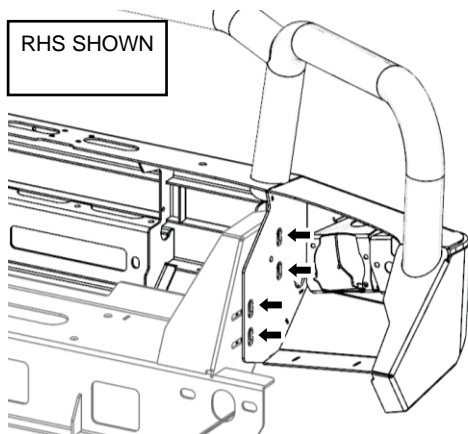
- M12 x 1.25 x 50mm hex bolts (2)
- M12 x Ø32mm flat washers (2)
- M12 spring washers (2)
- Washer plate (2)



20. OE Towpoint can be refitted to the position shown using high grade:

- M12 x 1.25 x 40mm hex bolts (2)
- M12 flat washers (4)
- M12 x 1.25 nyloc nuts (2)

21. If winch is being installed, refer to winch installation instructions.

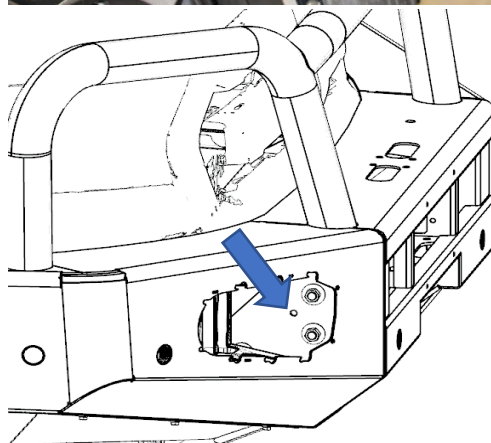


22. Fit bull bar to winch frame, then loosely secure both sides it in place using :

- M12 x 1.25 x 35mm hex bolts (4)
- M12 x Ø32mm flat washers (8)
- M12 x 1.25 nyloc nuts (4)



23. Align the bull bar to vehicle so that the guard clearance is 20 to 25 mm, and wing is aligned with wheel arch, then tighten all bolts.



24. Once bull bar is aligned with vehicle and bolts tightened, drill Ø8.5 mm through pinning holes between bar mount and clamping angle as indicator, and then secure both sides using :

- M8 x 1.25 x 30mm hex bolt (1)
- M8 x Ø19mm flat washers (2)
- M8 x 1.25 nyloc nut (1)

Indicator Lamp Wiring:

4	BLACK	GND
3	BLUE	PL (+)
2	GREEN	IND (+)
1	YELLOW	DRL (+)
PIN NO.	WIRE COLOR	SIGNAL



26. Install indicator lamps to bullbar.

Indicator from front using supplied fasteners. Patch Indicator/park wiring into vehicle lamp wiring loom. Plug in foglamps if installed. Check all lights operate correctly.

27. For fog-lamp kit, (purchased separately) fit to rear of bracket using supplied fasteners.

28. Fit plastic lamp housing to bull bar and secure it using :

- M5 x 20mm socket head bolts (10)
- M5 flange nuts (10)
- Bocar Indicator (1)



29. Fit wing guard to bull bar, and secure it with supplied fasteners, then neatly trim plastic guard liners to suit. Use zip ties to secure guard liner if required.

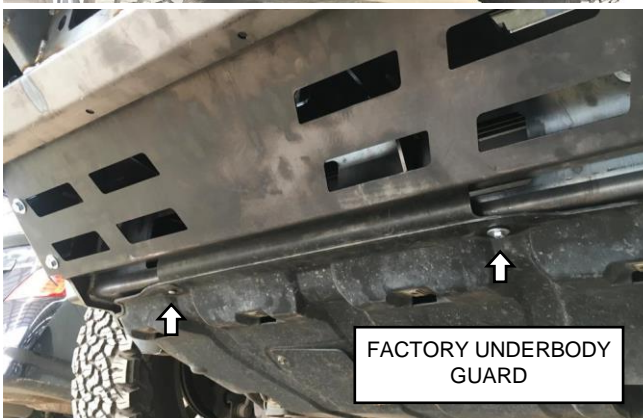
- M6 x 1.0 x 20mm head bolts (4)
- M6 cage nuts (4)
- M6 Ø12.5 mm flat washers (4)
- M6 spring washer (4)



30. Refit the factory underbody guard to its original position, securing it at the rear with original fasteners, securing it to the winch frame with using fasteners below:

- M8 x 1.25 x 30mm head bolts (2)
- M8 x 1.25 nyloc nuts (2)
- M8 x Ø19mm flat washers (4)

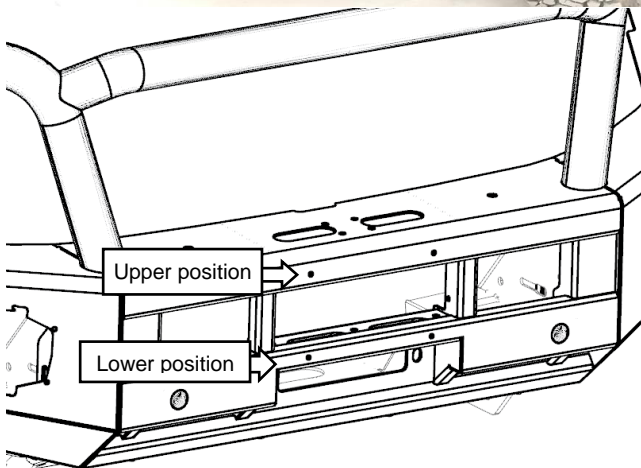
Guard may need slight modification around towpoint bolts



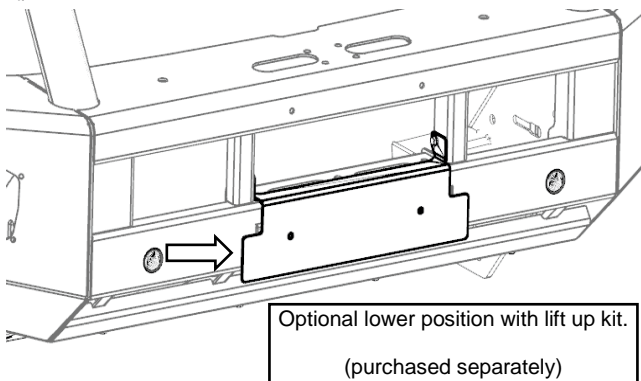


31. Fit center guard supplied and secure it to the winch frame with using:

- M8 x 1.25 x 30mm head bolts (4)
- M8 x 1.25 nyloc nuts (4)
- M8 x Ø19mm flat washers (8)



32. Fit the number plate to bull bar in upper or lower mounting position. Optional hinged mount can also be used as shown in next.



33. Ensure that all of fasteners are fully tightened and that no wiring or vehicle components are crushed or will rub or chafe.

34. Provide 'product care and information' sheet on next page to customer.

PRODUCT CARE & INFORMATION

Customer copy

Corrosion Protection Tips –

- Going on an adventure! Be sure to rinse all areas and remove any sand, mud or debris in and around any areas that can catch this type of matter.
- Going to the beach! Make sure to rinse all salt water and sand off. To improve the longevity and life of this product, be very thorough with fresh water and a sponge.

Nuts and Bolts –

- At Bocar we do not get to experience your adventures or service your vehicle, so be sure to regularly check all nuts and bolts, especially after a large Off Road trip or regular use on Civil, Mining and construction sites.

Love Care and Attention –

- Planning to drive in a salty environment! If so, spray all fasteners with a Lanolin or WD40 protectant for longevity.
- If you spot a deep scratch touch up with paint to help prevent rust and inhibit corrosion.
- Regularly Wash & Dry the product the same as your vehicle using normal car wash to maintain appearance.

Modifying Your Vehicle –

- Modifications to your vehicle involves some risk, all care has been taken to test driver aids so they work as the vehicle manufacturer intended. There may be the need to re-calibrate after fitment by the vehicle manufacturer. As the owner of your vehicle the driver remains, responsible for the vehicle at all times when driving.
- Check and re-tighten any components after your first adventure. Regular up keep will help you get the most out of your Genuine Bocar Product and your pride and joy.

Warranty –

- 2yr/40,000km. Warranty conditions apply. Our goods come with consumer guarantees that cannot be excluded under the Australian Consumer Law. Our warranty does not limit and may not exceed your rights under those guarantees. For full details on our warranty please refer to www.bocar.com.au/warranty