



**WORLD'S BEST  
ALLOY BULLBARS**

**East Coast Bullbars (ECB Pty Ltd)**

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**BG46SY**

REPLACES: 00.00.00

REVISED: 24.01.18

## **FITTING INSTRUCTIONS**

### **GMC SIERRA DENALI BIG TUBE PROTECTION BAR (WITH FOG LIGHTS) TO SUIT 15000LBS WARN WINCH VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES**

Check installation hardware before commencing.

Caution: Due to the weight and shape of some of the items involved in this fitment, 2 persons will be required for some steps.

Number plate requirements: This Protection Bar requires a slimline plate for best finish. If fitting standard size plate, ensure air flow is not obstructed.

1. Lift bonnet
2. From between the headlights, remove 12 plastic push pull clips from the radiator cover. Remove cover.
3. Remove four 10mm head bolts from the grille, **see figure 1**. Lift tabs on the radiator support and pull grille forward to remove.
4. Remove one 15mm head bolt from the rear of bumper wing to bumper wing support.
5. Under the bumper on the driver's side of the vehicle, disconnect the wiring harness connecting the bumper to the vehicle. **See figure 2**.
6. In the grille opening remove two 18mm head bolts from each side of the bumper just inside the light. **See figures 3 and 4** these are accessed from the top.
7. Remove the bumper from vehicle. **Caution: this is a two person lift; due to weight, size and shape of the bumper**
8. Remove the bumper wing supports from the vehicle, two 15mm head bolts from body support. **See figure 5**.
9. Remove bumper mounting plates from the end of the chassis rails, four 15mm head bolts.
10. Remove tow hooks from end of rails. One 18mm head bolt and nut through the side of the rail and one 18mm head bolt on the underside of chassis.
11. Install ECB winch mounting bracket (supplied) to inside of chassis rails. **Caution: This is a two person lift due to weight**. Use original equipment bolts in correct locations and two M12 nut and washer on wire (supplied) for bolt in underside of chassis rails. Centralise ECB steel mounting bracket to vehicle and **tighten all bolts**.
12. Fit fairlead roller to front of ECB winch frame using bolts supplied with winch. **Finger tighten only**.
13. Install winch into ECB winch frame using bolts supplied with winch. **Caution: This is a two person lift due to weight**. Attach control box to ECB control box mount (supplied). Wire winch as per manufacturer's instructions.



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14. Attach control box to winch frame using bracket (supplied) for 12000 and 15000lbs warn winch using four M8 x 30mm bolts, flat washers, spring washers and nuts (supplied).
15. Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
16. Refit grille to vehicle as per reverse of step 2.
17. Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit.  
**NOTE: Ensure park light is to outside. See figure 6.**
18. Attach ECB fog lights to protection bar. Place M6 x 20 bolts, spring washers (supplied) through light mount from inside and attach nut to top. Slide assembly into light mount in Protection bar and centralize light to hole.  
**TIGHTEN FIRM ONLY. See figure 7.** Insert fog light surrounds (supplied) into fog light hole
19. From rear of bumper disconnect wiring harness from fog lights and parking sensors.
20. Carefully remove parking sensors and wiring harness from bumper cover.
21. Attach parking sensor harness to ECB protection bar on sides under lights using original equipment clips and zip ties provided. Ensure harness is clear of sharp edges and moving parts.
22. Install parking sensor brackets using M6 x 20mm bolts, flat washers and nyloc nuts (supplied). Fit sensor into the bracket with front of sensor in hole in channel. Press bracket into parking sensor firmly and fasten using zip tie around sensor and bracket. **Caution:** Sensors too tightly pressed into bar may give false readings. **See Figure 8**
23. Splice ECB fog light wiring harness into fog light harness using shrink solder joiners supplied. Ensure harness is clear of sharp edges and moving parts. **NOTE:** leave connector supplied with ECB fog lights attached for ease of disconnection should light require repair or replacement during the lifetime of the vehicle.
24. Attach 6mm clip lock trim (supplied) to top of ECB protection bar. **NOTE:** Trim off lower edge on an angle so trim will sit flush with end of protection bar. **See figures 9, 10 and 11.**
25. Attach 6mm clip lock trim (supplied) to winch opening in skirt. **NOTE:** Trim off lower edge on an angle so trim will sit flush with the channel of protection bar.
26. Fit ECB protection bar onto ECB winch frame using six M12 x 50mm bolts, flat washers, spring washers and nuts (supplied).
27. Align ECB protection on vehicle. Should protection bar align centrally use one spacer supplied on each side between alloy and steel mounts. If the body is found to be off centre one the chassis, use both spacers on one side between the alloy and steel mounts. **See figures 12, 13 and 14. Tighten all bolts.**
28. Align and tighten fairlead rollers to be vertically central to hole in bullbar.
29. Connect and check lights and parking sensors. Zip tie wiring out of the way so it does not hang below the vehicle.

**ENSURE NUMBER PLATE IS CLEARLY VISABLE**



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**Note:** When fitting/refitting the licence plate to the vehicle, ensure there is no obstruction to licence plate vision in accordance with local authorities. If required relocate licence plate to an alternate location.

**Further VFPS Notes:**

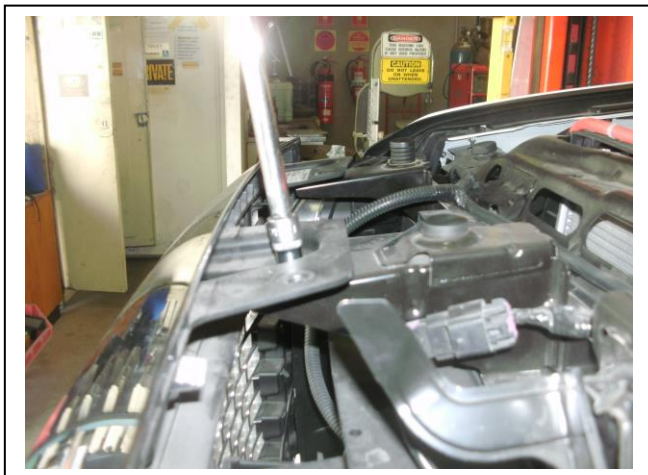
- a) Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
- b) Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
- c) Do not remove the plaque or label from the VFPS.
- d) Do not modify the structure of the VFPS in any way.
- e) No accessory or fitment should project forward of the VFPS forward profile.
- f) **ENSURE THESE INSTRUCTIONS ARE LEFT WITH VEHICLE OWNER AND/OR OPERATOR.**

**IMPORTANT INFORMATION**

Periodically check bolts and nuts for correct tightness, especially if travelling on rough roads

**FITTING KIT**

1 – Winch Mount	6 – M6 x 20mm bolt
1 – Winch control box mount	8 – M6 flat washers
2 – Alloy mount spacers (BG45SY_A3AL)	4 – M6 nyloc nuts
4 – Parking sensor mounts (2 left, 2 right) (BJ55SY_A3AL)	2 – M6 spring washer
6 – M12 x 1.75 x 50 bolts	2 – M6 nuts
12 – M12 flat washers	1 – ECB LED Indicator / Park light kit
6 – M12 spring washers	1 – ECB Fog light kit
6 – M12 x 1.75nuts	10 – Zip ties
2 – M12 x 1.75 nut and washer on 300mm wire	6 – Cable locks
4 – M8 bolts	4 – Solder joints
8 – M8 flat washers	1 – 2600mm length 6mm clip lock trim
4 – M8 spring washers	1 – 700 mm length 6mm clip lock trim
4 – M8 nuts	4 – Fog light trims



**Figure 1**



**Figure 2**



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Figure 3



Figure 4

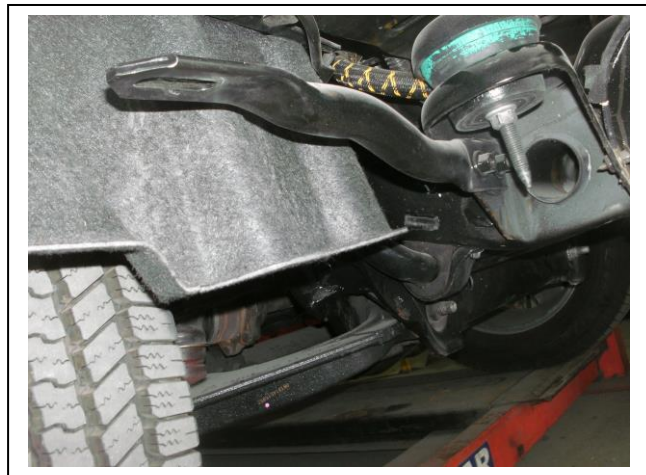
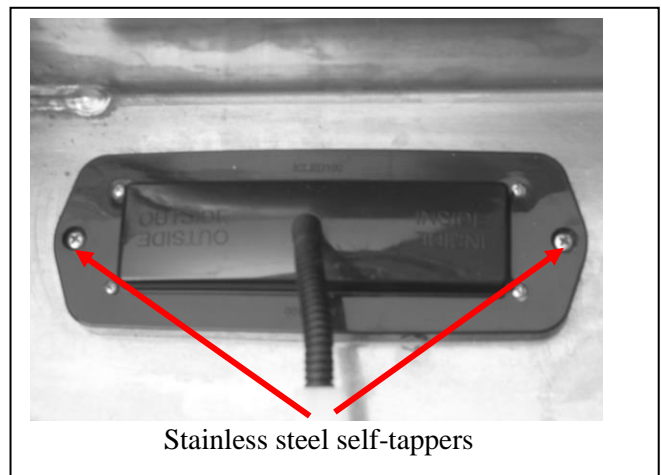
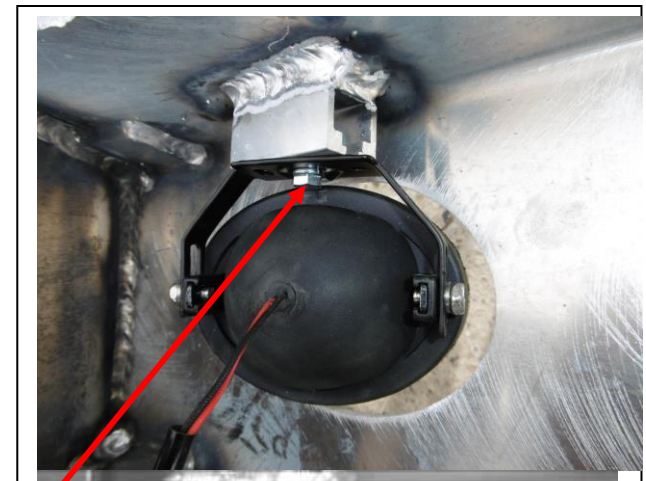


Figure 5



Stainless steel self-tappers

Figure 6



M6 bolt

Figure 7



Figure 8 – Caution: Sensors too tightly pressed into bar may give false readings





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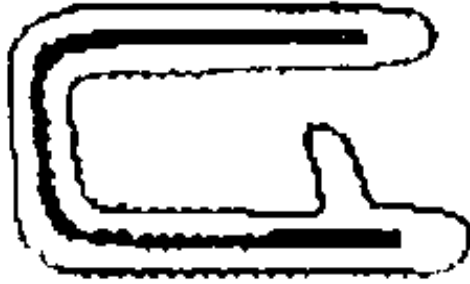
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Top



6mm Black clip lock trim

Figure 9



Trim lower edge on an angle

Figure 10

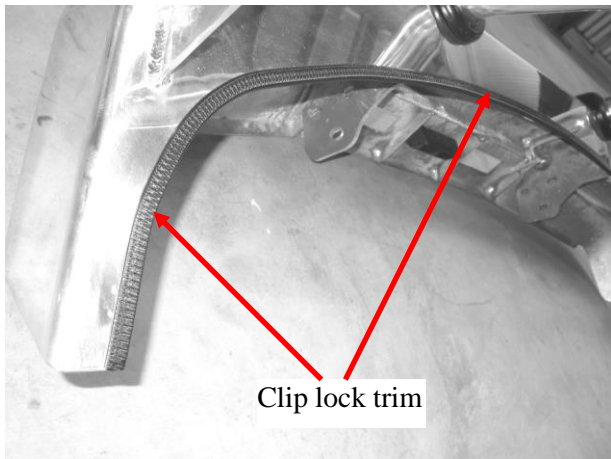


Figure 11



Figure 12 – 2 spacers used to adjust Protection bar to centre. This body was off centre by 5mm.



Figure 13



Figure 14



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## *We value your comments*

Dear Fitter,

ECB would like to know how you went with the installation of this product. We value your comment and may need to contact you to clarify some details so please complete your contact details clearly.

We would appreciate if you could complete as many of the following details as possible.

<b>Your Name:</b>	<b>Your contact No.</b>
<b>Product Part No.</b>	<b>Product Invoice No.</b>
<b>Product Description:</b>	<b>Make, model, and year of vehicle:</b>
<b>Product Work Order No.</b>	<b>Company your from/Company product purchased from:</b>

**Date of Fitment:** \_\_\_\_/\_\_\_\_/\_\_\_\_

Was the fitting hardware supplied complete?

Yes

No

If no what was not supplied

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Did the installation go well?

Yes

No

Please provide comments

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Please draw diagrams if you need to.

**Post to**  
Reply Paid 122  
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## DESPATCH CHECKLIST BG46SY

Work Order #		<b>See other side of this page for photos of all mounts</b>
Finish:		
Transport:		
Due Date:		

OC.....1 – Winch mount

OC.....1– Winch controller mount BG46SY\_B6MS

OC.....2 – ECB Overrides – **Fitted to Bar**

OC.....8 – 6mm Air Vents – **Fitted to Bar**

BK.....1 – Bolt Kit.

BK.....2 – Alloy mount spacers (BG45SY\_A3AL)

BK.....1 – LED ECB indicator / park light kit.

BK.....1 – Fog light kit

BK.....1 – 2600mm length 6mm clip lock

BK.....1 – 700mm length 6mm clip lock trim

BK.... 4 – Fog light trim

BK.... 4 – Parking sensor mounts

\_\_\_\_\_/\_\_\_\_\_  
Wrapper's initials / Checker initials



Is this product “the best it can be” Yes

If **NO** fix before continuing

All parts checked and completed by:

Nut and bolts: \_\_\_\_\_ Date \_\_/\_\_/\_\_

Order control: \_\_\_\_\_ Date \_\_/\_\_/\_\_

Final wrap check: \_\_\_\_\_ Date \_\_/\_\_/\_\_



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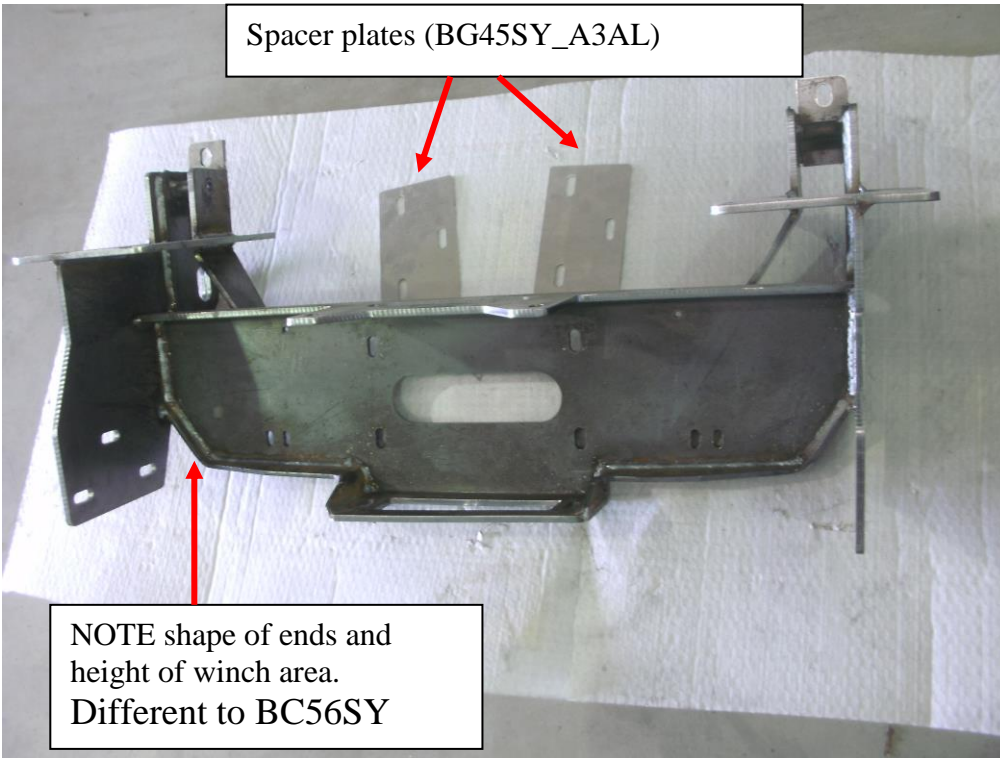
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Spacer plates (BG45SY\_A3AL)



\_\_\_\_\_/\_\_\_\_\_  
Wrapper's initials / Checker initials