



WORLD'S BEST  
ALLOY BULLBARS

East Coast Bullbars (ECB Pty Ltd)

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BJ82SY

REPLACES: 01.08.13  
REVISED: 17.01.18

## FITTING INSTRUCTIONS

### JEEP GRAND CHEROKEE OVERLAND WK MY17 4/2017on BIG TUBE PROTECTION BAR WITH FOG LIGHTS VEHICLE FRONTAL PROTECTION SYSTEM (VFPS) FOR AIR BAG & ADR COMPLIANT VEHICLES

Check installation hardware before commencing.

1. Lift bonnet.
2. Remove seven hand twist clips from under vehicle (three across centre rear, one (per side) from front of inner guard and one (per side) from side of bumper join accessible from area under front edge of inner guard. Remove black lower section of bumper bar by firmly pulling forward to release clips into coloured section of bumper. **See figure 1.**
3. Remove large nut from rear of tow hook on driver's side. Gently tap tow hook threaded plug forward from rear. Slide tow hook out of cradle. Undo two 16mm head bolts from cradle (bracket) to remove. **See figure 2.**
4. Using a set of side cutters, cut rear from two plastic rivets (per side) in front of wheel arches and remove one 10mm head bolt from join between coloured bumper and guard. Gently pull flare away from side of vehicle, unclipping push in clips from behind as you go. **See figure 3.**
5. Pull coloured section of bumper away from side of vehicle to release clips to side of guard, then forward to release clips under headlights. Repeat for other side. On top of bumper, remove two push pull plastic clips and lift up to unclip. Disconnect fog lights, parking sensors from drivers side (if fitted).
6. Remove headlight washer caps from the bumper, to remove pull out and unclip. **See figure 4.**
7. Carefully remove parking sensors, parking sensor wiring harness (if fitted) and fog lights (unclip from three keepers) from coloured section of bumper.
8. Splice indicator/ park wiring into original wiring harness behind headlights. Too access rear of headlight on passenger's side, open air box, remove filter and pull up on base to remove from rubber mounts.
9. Too refit air box on passenger's side, remove rubber mounts and refit to air box. Push air box back onto body mounts, replace filter and refit lid.
10. Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness.
11. Remove polystyrene bumper support.
12. Remove two 13mm head bolts from bumper support to chassis rail. Leave 10mm bumper bolt in place to keep in position.
13. Install ECB steel mounting brackets (supplied) onto chassis rails where tow hooks were removed using two spacer washers per M8 x 55 bolts, spring washers and M8 and M10 flat washers (supplied) between ECB steel mounting brackets and bumper support area and four M10 x 40 bolts, spring washers and flat washers (supplied) (per side). for underside holes into chassis rail. Ensure outer measurement of ECB steel mounting brackets matches' inner measurement of ECB protection bar mounts and mounts are centralised on vehicle. **Tighten all bolts. See figure 5,6 and 7**



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14. Refit coloured section of bumper to vehicle as per reverse of step 4. As plastic rivets cannot be refitted to vehicle, drill rivet holes in coloured plastic section to 8mm and fit four plastic screw clips (supplied). Feed ECB wiring harnesses (supplied) through where fog lights are removed in original bumper.
15. 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 8.**
16. 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 9.**
17. 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 10, 11 and 12.** Attach 6mm clip lock trim to outer holes in skirt and centre hole for Adaptive Cruise Control system. Ensure clip lock trim is tight around corners to avoid false signals on the radar system.. Trim ends of clip lock trim square and place join on vertical edge.
18. Loosely zip tie parking sensor wiring harness into rear of ECB protection bar. **See figure 13.** Should vehicle not have parking sensors, fit six plastic plugs (supplied) to sensor holes in Protection Bar.
19. If vehicle has parking sensors, trim centre from ECB sensor mount. Ensure parking sensors have silicon ring around edge of sensor area of part. Install and adjust parking sensors into rear of Protection bar. **See figure 14.**
20. Tighten parking sensor wiring harness into rear of protection bar. Ensure wiring to parking sensors does not affect fitment of parking sensors.
21. Fit ECB protection bar to ECB steel mounting brackets using M12 X 40 bolts, flat washer, spring washers and nuts (supplied). **Finger tighten only.**
22. Align ECB protection bar to front of vehicle. **See figure 15 and 16** for front and rear views. **Tighten all bolts.**
23. Connect indicator park lights and fog lights and check for correct operation.
24. Connect parking sensors and check for correct operation.
25. Remove three 10mm head bolts and one plastic push pull clip from front of lower engine cover into radiator support. Fit ECB under body guard (supplied) onto top of bullbar and between lower engine cover and radiator support. Bolt to ECB protection bar using three M6 x 20 bolts, flat washers and nyloc nuts (supplied). Refit original bolts and plastic push pull clip to rear. **Tighten all bolts.**
26. Install ECB under body side covers (supplied) onto end of ECB under body guard and skirt return using four M6 x 20 bolts, flat washers and nyloc nuts (supplied). **Note:** Front of end on side plate sits under bumper and rear of end plate sits behind bumper. **Tighten all bolts.**
27. Place 40 x 6 alloy washer (supplied) between lower flange on coloured bumper section and ECB alloy under side cover. Use M6 x 40 bolt, flat washers and nyloc nuts (supplied) to secure lower flange of plastic bumper to ECB under side cover. Note: Inner guard lining at front of wheel arch needs to be clamped between centre under body guard and under side covers to secure in place to prevent rubbing on wheels, **see figure 16.** Further access to rear bolt can be obtained through removal of plastic scrivet located higher in the wheel arch. **Tighten firmly.** Trim inner guard to match bottom of ECB under body side plates.
28. Remove and refit the five ECB air vents in both the channel and skirt with logo at the bottom to aim the air flow.



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**ENSURE NUMBER PLATE IS CLEARLY VISABLE**

**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**

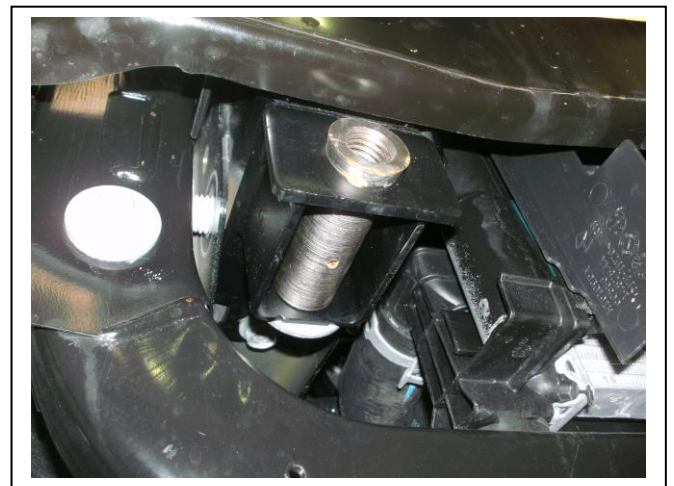
Periodically check bolts and nuts for correct tightness, especially if travelling on rough roads

**FITTING KIT**

1 – Pair ECB steel mounting brackets	13 – M6 x 20 bolts
1 – ECB alloy under body guard	2 – M6 x 40 stainless bolts
1 – Pair ECB alloy under body side plates	28 – M6 flat washers
2 – 40 x 10, 6mm alloy washers	13 – M6 nyloc nuts
8 – 40 x 10, 10mm steel washers	2 – M6 nuts and spring washers
4 – M10 x 1.5 x 40 bolts	1 – ECB LED Indicator / Park light kit
8 – M10 flat washers	1 – ECB fog light kit
4 – M10 spring washers	1 – Quick click fog light kit (IC10D40S1004ECBH)
4 – M8 x 55 bolts	2 – Fog light trims
4 – M8 flat washers	6 – Cable locks
4 – M8 spring washers	1 – 2500mm length 6mm clip lock trim
6 – M12 x 1.75 x 40 bolts	3 – 500mm length 6mm clip lock trim
12 – M12 flat washers	10 – 300mm zip ties
6 – M12 spring washers	4 – 150mm zip ties
6 – M12 x 1.75 nuts	4 – plastic screw clips (scrivets)



**Figure 1:** Twist clip holding lower bumper to upper bumper sections



**Figure 2**





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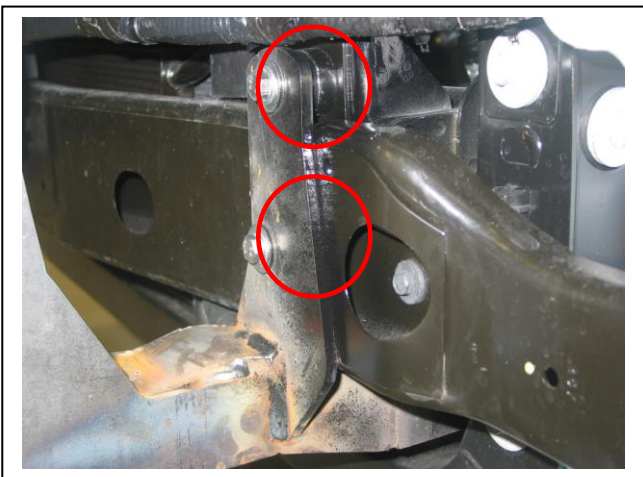
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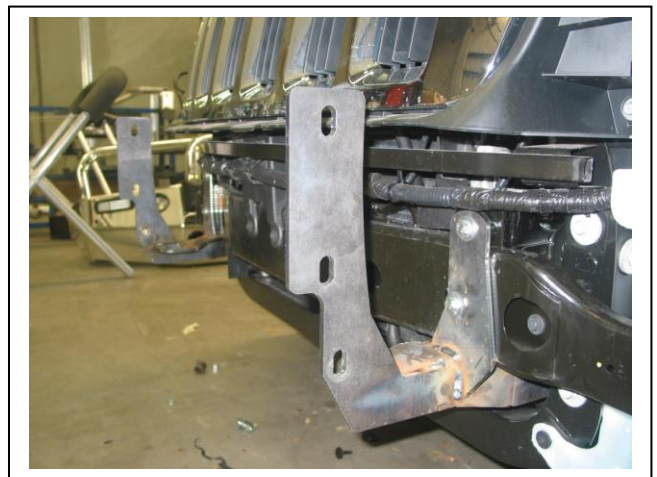
**Figure 3:** Bumper with lower section fully removed.



**Figure 4:** Removal of washer covers. Pull edges to sides.



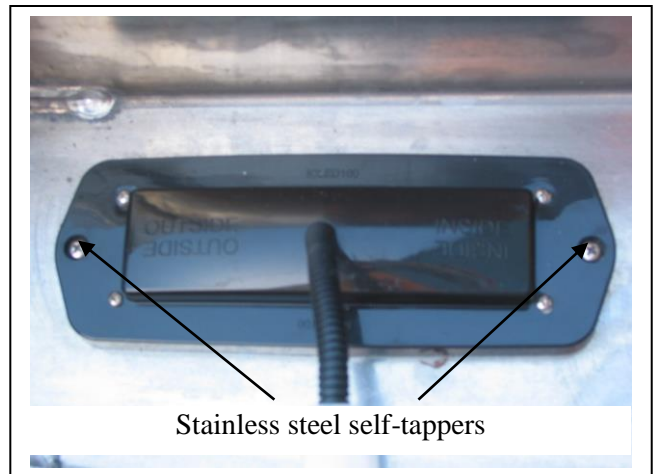
**Figure 5:** ECB steel mounting brackets showing spacer placement



**Figure 6:** ECB steel mounting brackets fitted. Bumper removed for photo.



**Figure 7:** ECB steel mounting brackets fitted. With bumper fitted.



Stainless steel self-tappers

**Figure 8**



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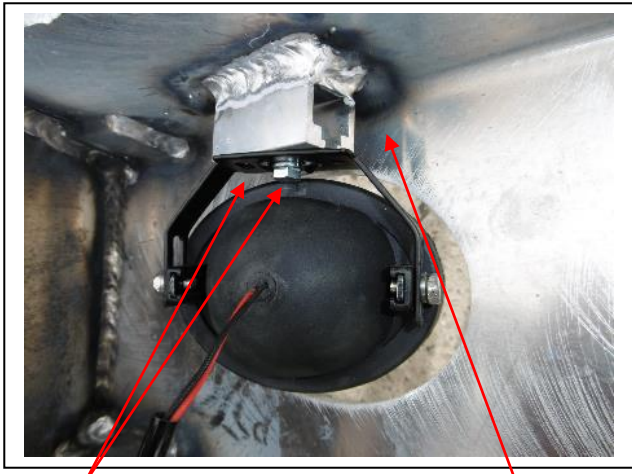
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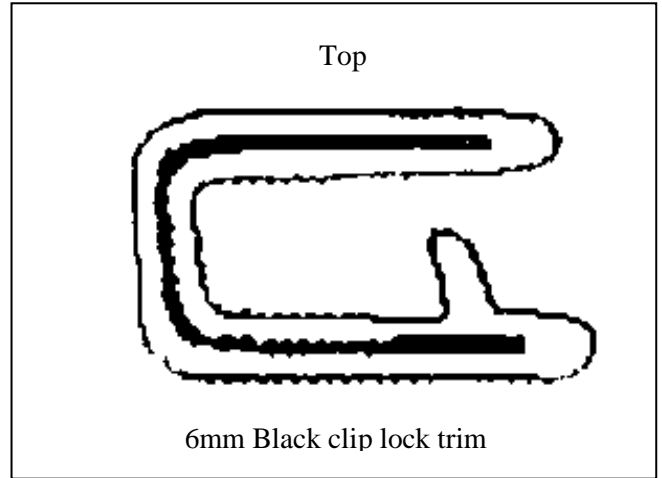
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M6 bolt

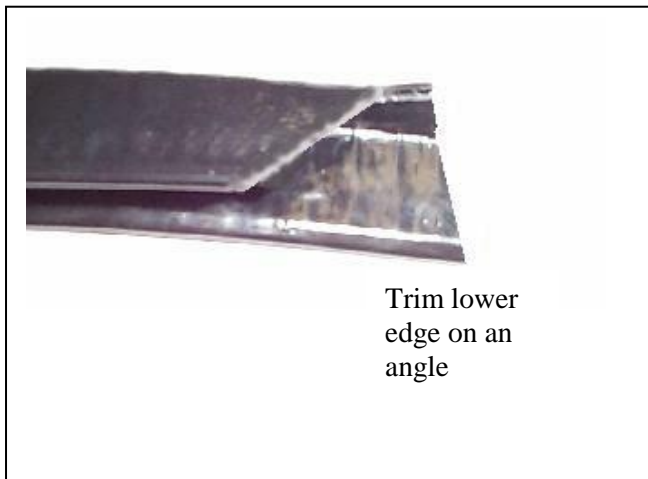
Figure 9



Top

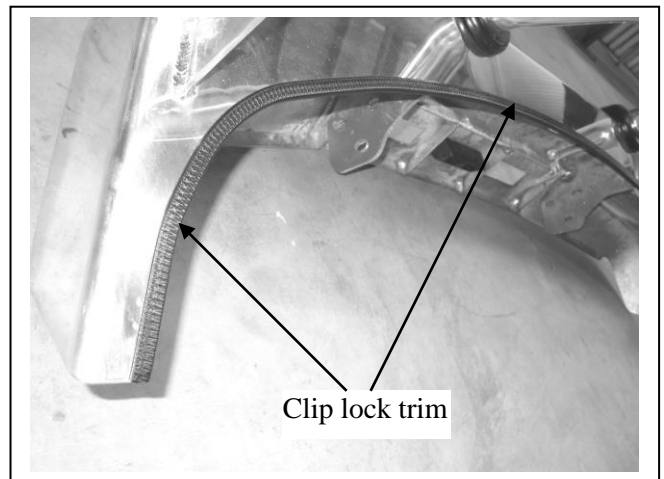
6mm Black clip lock trim

Figure 10



Trim lower edge on an angle

Figure 11



Clip lock trim

Figure 12



Figure 13: wiring harness wired into rear of Protection bar





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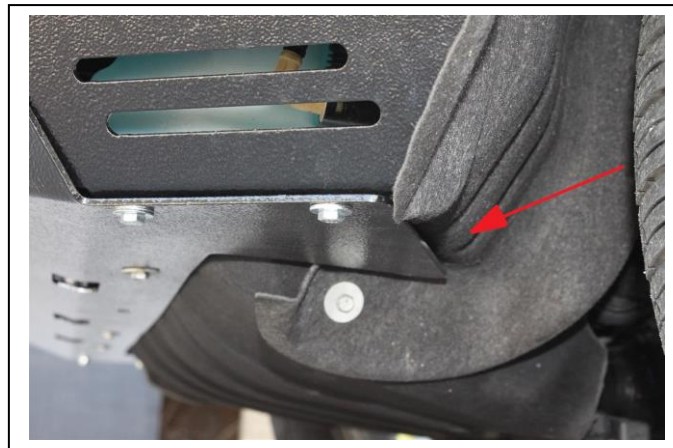
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**Figure 14:** Front view



**Figure 15:** Side view



**Figure 16**



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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

Did the installation go well?      Yes      No

Please provide comments

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Please draw diagrams if you need to.

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## DESPATCH CHECKLIST BJ82SY

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

- OC.....1 – Pair steel mounting brackets.
- OC.....1 – Alloy under body guard (P/C black ripple all bars)
- OC.....1 – Pair alloy under side covers (P/C black ripple all bars)
- BK.....1 – Bolt Kit.
- BK.....1 – LED ECB indicator / park light kit. (ICLED105ECB)
- BK.....1 – ECB fog light kit
- BK.....1 – Quick click fog light kit (IC10D40S1004ECBH)
- BK.....2 – Fog light trims
- BK.....1 – 2500mm length 6mm clip lock
- BK.....3 – 500mm length 6mm clip lock trim
- OC.....2 – ECB Overrides – **Fitted to Bar**
- OC.....5 – 6mm Air Vents – **Fitted to Bar**
- OC.....6 – ECB plastic parking sensor mounts – **Fitted to Bar**



Is this product “the best it can be” Yes \_\_\_\_\_ / \_\_\_\_\_  
Wrapper’s initials / Checker initials

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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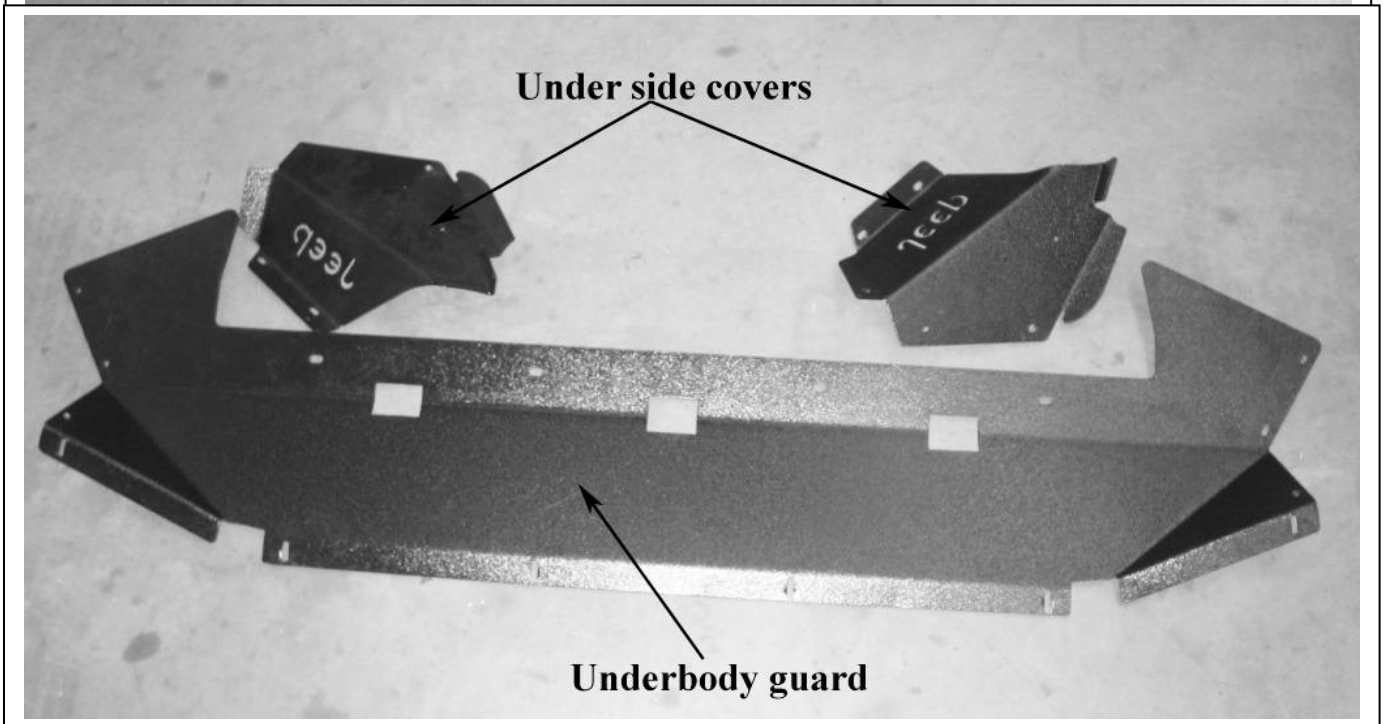
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