



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:BJ88SY



Fitting Guide & Owners Manual

**Jeep Grand Cherokee
Trailhawk 09/17 on**

Big Tube Bar with Bumper Lights
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES



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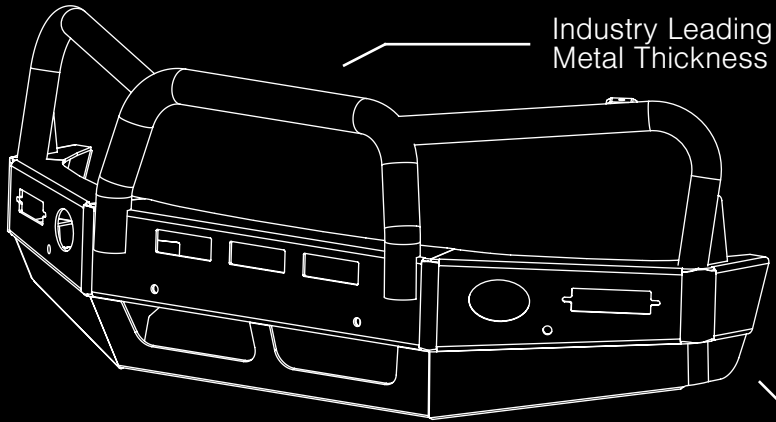
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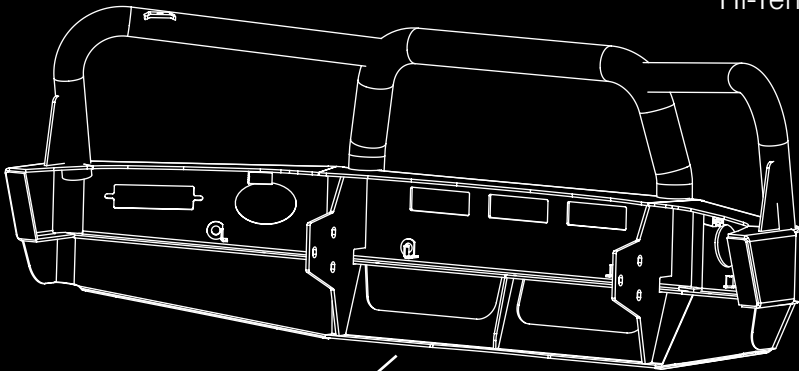
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The Features of ECB



Industry Leading
Metal Thickness

6mm Thick
Hi-Tensile Alloy



Unmatched
Strength

Fully Welded
Construction

ECB's Benefits

Built to Perform - Not to a Price

ECB are proud to claim that their channels are not jigsaw puzzles that are bolted together, or even multiple sections welded together. Where any welding is required, it is done to the highest standards by qualified welders, not machines.

Anti-Corrosive Nature of Alloy

The composition of ECB's alloy has a very high resistance to corrosion. Rust not only looks unappealing but greatly reduces the strength of the metal. Rust can and will weaken the structural integrity of a steel bullbar effectively rendering it useless over time.

Australian Made

Established in 1971, we utilise decades of experience designing, engineering and building products in Australia to suit Australian conditions. We can ensure the best quality controls and help support the local economy and employ over 90 proud Australians.

Weight Saving Benefits

An ECB alloy bullbar is typically half the weight of a steel bullbar. Unnecessary suspension upgrades are not required. The reduced weight also contributes to increased fuel economy and less wear and tear on tyres, suspension and braking components.

Welds That Work

ECB uses only the strongest welds and welding techniques to ensure every product is as structurally sound as possible. MIG (Metal Inert Gas) welding techniques are employed ensuring the welds are as thick as the thickest section of alloy's being joined together.

Lifetime Warranty

ECB provide a lifetime warranty and consumer guarantee on all of our manufactured products. This guarantee highlights the confidence in our ability and provides complete peace of mind for your purchase for the lifetime you own your vehicle.

Product Care

Polished Products

Being a premium mirror polished finish, regular maintenance will be required to keep that iconic ECB shine. We recommend using our own brand of Aluminium Polish. This formula has been tried and tested and in our opinion is the world's best standard.

Directions: Apply a small quantity of Aluminium Polish to a clean soft cloth and rub the metal surface. The longer the rubbing the brighter the surface becomes. Wipe off Aluminium Polish with clean soft cloth. Also suitable for motorised buffing machines.

Note: There are more specific details on the polish bottle. Please read before use.

Powdercoated Products

Our powdercoated finishes are very low maintenance. Infact there is actually very little you will ever need to do for this product. Just clean it as you would your car and it will stay looking good as new.

ECB Aluminium Polish

When you're looking for that showroom finish look for your polished automotive products, you can depend on the no compromise quality of East Coast Bullbars Aluminium Polish. This specifically designed product is the best polish available and we guarantee that this \$#!+ works. Within our decades of manufacturing polished alloy products we have trialed a large range of different polishes on the market and believe without a doubt that nothing beats the finish quality of East Coast Bullbars Aluminium Polish.

East Coast Bullbars Aluminium Polish is excellent for use by hand and is ideal for polished bullbars, nudge bar and stainless steel products. This polish will clean, polish and protect your product from the elements whilst bringing your products back to that showroom finish look.



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Stage 1

- Test drive vehicle to ensure all driver assists are correctly working and to gauge effectiveness. Park on a flat level surface.
- Apply parking brake and lift bonnet.
- Unwrap ECB Protection bar and disconnect mounts. Discard bolts.
- Ensure these instructions are left with the vehicle owner and/or operator.



Stage 2

- Remove seven (7) 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



Stage 3

- Remove five (5) 10mm head bolts and one (1) plastic clip from front of under body guard.
- Allow to hang.



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Stage 4

- Remove large nut from rear of tow hook, then two (2) front 16mm head bolts from tow hook at underside of bumper support.
- Slide tow hook out of cradle. Undo two 16mm head bolts from remaining cradle (bracket) to remove.
- Repeat on other side.



Stage 5

- Using a set of side cutters, cut rear from two (2) plastic rivets (per side) in front of wheel arches and remove one (1) 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.



Stage 6

- Remove headlight washer caps from headlight washers and remove bumper. Disconnect fog lights, parking sensors from drivers side (if fitted).
- 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.
- Remove two push/pull clips from top of grille and lift up. Gently pull forward to remove.



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Stage 7

- Carefully remove parking sensors, parking sensor wiring harness (if fitted) and fog lights (unclip from three keepers) from coloured section of bumper.



Stage 8

- Disconnect indicator and parking lights on vehicle. Install ECB quick click wiring harnesses (supplied) between disconnected harness and indicator / park lights on vehicle. Run wiring out from under lights ensuring clearance from sharp edges and moving parts.
- To access rear of headlight on passenger side, open air box, remove filter and disconnect air inlet from top rubber. Pull up on base to remove from rubber mounts and remove from vehicle.



Stage 9

- To refit air box on passenger's side, remove rubber mounts (if still in vehicle) and refit to air box. Push air box back onto body mounts, replace filter and refit lid.

NOTE: A small amount of dishwashing liquid on the bottom of the rubbers will help with installation.



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Stage 10

- Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness.

Stage 11

- Refit coloured section of bumper to vehicle as per reverse of step 5 - 6.
- 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.



Stage 12

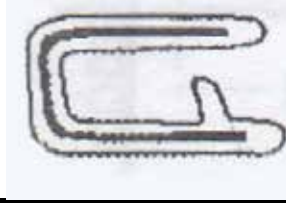
- Fit ECB LED indicator / park lights / DRL into protection bar as per instructions supplied with the LED indicator kit.



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Stage 13

- 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.
- Attach 6mm clip lock trim to holes in skirt. Trim ends of clip lock trim square and place join on vertical edge.



Stage 14

- Using zip ties (supplied) loosely secure parking sensor wiring harness into rear of ECB protection bar.
- Trim centre from ECB sensor mount.
- Ensure parking sensors have silicon ring around edge of sensor area. Install and adjust parking sensors into rear of protection bar.



Stage 15

- Install ECB steel mounting brackets (supplied) onto chassis rails where tow hooks were removed using four M10 x 1.5 x 40mm bolts, spring washers and flat washers for rear holes and M10 x 1.5 x 50mm bolts, spring washers and flat washers for bumper support area (supplied)(per side).
- Ensure inner measurement of ECB steel mounting brackets matches outer measurement of ECB protection bar mounts and mounts are centralised on vehicle. Tighten all bolts.



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Stage 16

- Fit ECB protection bar onto ECB steel mounting brackets using three (3) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied) per/side.
- Align ECB protection bar to front of vehicle. Tighten all bolts.



Stage 17

- Connect indicator / DRL / park lights and check for correct operation.
- Connect parking sensors and check for correct operation.

Stage 18

- Install ECB center under body guard using original equipment in rear of guard and three (3) M6 X 20mm bolts, flat washers and nyloc nuts in front of guard to skirt.



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Stage 19

- Install side guards using four (4) M6 x 20mm bolts flat washers and nyloc nuts.
- Place 40 x 10, 6mm alloy washer (supplied) between lower flange on coloured bumper section and ECB alloy under side cover. Use M6 x 40mm 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 underbody guard and under side covers to secure in place to prevent rubbing on wheels. Tighten all bolts.



Stage 20

- Attach ECB bumper lights to protection bar. Place M6 x 20mm bolts, spring washers (supplied) through light mount from inside and attach nut to top.
- Slide assembly into light mount in protection bar and centralise light to hole. TIGHTEN FIRM ONLY.
- Connect lights and check operations



Final Checks

Ensure Number Plate is Clearly Visible

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

1. Do not attach VFPS to the vehicle using anchorages not intended for this purpose (e.g. engine mounting bolts).
2. Do not use this product for any vehicle make or model, other than those specified by the VFPS manufacturer.
3. Do not remove the plaque or label from the VFPS.
4. Do not modify the structure of the VFPS in any way.
5. No accessory or fitment should project forward of the VFPS forward profile.
6. **Ensure these instructions are left with the vehicle owner and/or operator.**

Important Information

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

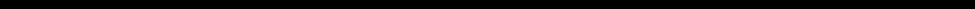
Installation Kit

1 – Pair ECB steel mounting brackets	26 – M6 flat washers
1 – ECB alloy under body guard	2 – M6 spring washers
1 – Pair ECB alloy under body side plates	13 – M6 nyloc nuts
2 – 40 x 10, 6mm alloy washers	2 – M6 nuts
6 – M12 x 1.75 x 40mm bolts	1 – ECB LED Indicator/ Park/ DRL light kit
12 – M12 flat washers	1 – Quick click harness (IC17JEGCIPDH)
6 – M12 spring washers	1 – ECB Bumper light kit
6 – M12 x 1.75 nuts	1 – Quick click bumper light kit (IC1040S1004EBH)
4 – M10 x 1.5 x 50mm bolts	2 – Bumper light trims
4 – M10 x 1.5 x 40mm bolts	1 – 2500mm length 6mm clip lock trim
8 – M10 flat washers	3 – 500mm lengths 6mm clip lock trims
8 – M10 spring washers	10 – 300mm zip ties
13 – M6 x 20mm bolts	4 – 150mm zip ties
2 – M6 x 40mm bolts	4 – Plastic screw clips (scrivets)

Finished Product



Notes



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_____ Full Name

_____ Date

Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **BJ88SY** _____

Email: _____

Phone: _____

Work Order Number: _____

You can find this on the silver label
of your ECB product.

By submitting this registration you automatically subscribe to ECB's mail outs.
You can unsubscribe at any time.

Register Online

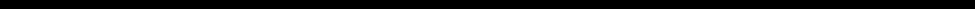
For online registration please go online to www.ecb.com.au/warranty-registration
If you have any questions please contact our national office on 1800 069 145 or
www.ecb.com.au.



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**Please post to: PO Box 122,
Margate QLD 4019**

Notes

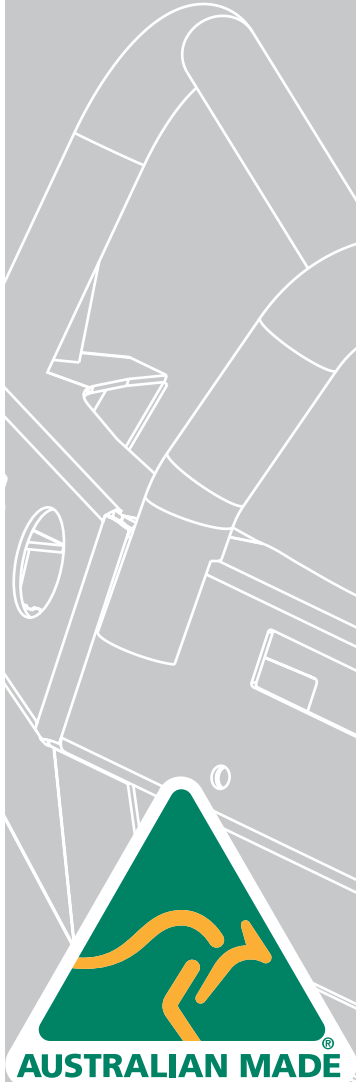


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_____ Full Name

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