



**WORLD'S BEST  
ALLOY BULLBARS**

**Strongest Built  
Australian Made  
Lifetime Warranty**

**Pt No: BS81SY**



**Fitting Guide &  
Owners Manual  
Subaru XV 05/17-ON**

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



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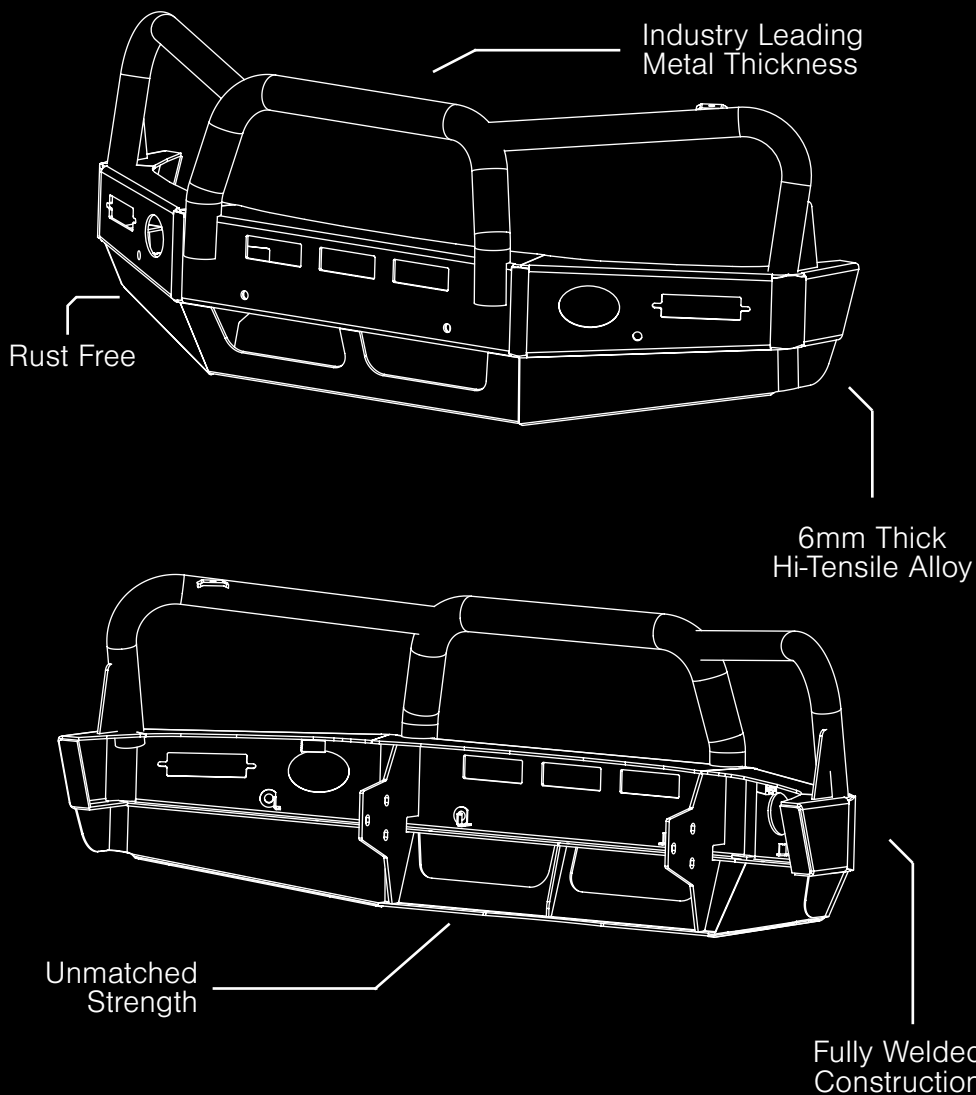
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# The Features of ECB



# ECB's Benefits

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## **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

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## 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. With decades of manufacturing polished alloy products we have trialled 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

- If vehicle has headlight washers, carefully pull washers out and unclip fascia to remove.



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## Stage 3

- From front underside of inner guard / bumper join, remove three (3) push pull plastic clips.
- Pull front of inner guard down and disconnect bumper lights.



## Stage 4

- Along center of underbelly guard to bumper join, remove four (4) push pull plastic clips.



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## Stage 5

- At bumper guard join, remove one (1) center push plastic clip.



## Stage 6

- From between headlights at rear of bumper, remove six (6) 10mm head bolts and two (2) push pull plastic clips.





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## Stage 7

- At bumper to guard join, carefully pull rear edge backward to unclip from hole keeper and out from side of vehicle to unclip from bumper guard joiner clips.
- Once unclipped from side of guard, pull bumper forward to unclip under headlight.

*Tip: hold center of bumper to stop bumper from falling forward when unclipping the last side*



## Stage 8

- From bumper support, remove polystyrene infill section.



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## Stage 9

- On headlight washer hose, unclip all plastic holding clips on bumper support.
- Disconnect washer hose from right side headlight washer. Pull up and place in engine bay to avoid leakage.



## Stage 10

- Remove three (3) 10mm head bolts from lower section of air dams.
- From drivers side, unclip air sensor from air dam. Allow to hang.
- From passengers side, disconnect shutter motor (if fitted)



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## Stage 11

- Remove four (4) 12mm head bolts (per side) from bumper support to chassis front plate.
- Lift bumper support and remove from vehicle.



## Stage 12

- Install ECB tow bracket (supplied) onto right hand side chassis rail, just behind join point for bumper support, using two (2) M12 x 1.72 x 35mm bolts, flat washers, spring washers and nuts for top and bottom bolts (supplied).
- On rear of mounting area, using a die grinder or similar, enlarge hole to allow installation of center bolt. Blow filings clear and treat all exposed metal with a rust inhibitor. Fit one (1) M10 x 1.5 x 35mm bolt and washer on wire, flat washer, spring washer and nut. (supplied)
- Tighten all bolts



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## Stage 13

- Where bumper support meets chassis, bend keeper tabs flat to mounts.



## Stage 14

- Install ECB front steel mounting brackets (supplied) over sides of bumper support.
- Slide ECB rear steel mounting brackets (supplied) between air dam and bumper support.
- Install M10 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied) from front of bumper support, through outer top hole in ECB Steel mounts, through hole in bumper support and into ECB rear mount. Place bolts loosely to start.
- Insert all M10 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied) into mounts.



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## Stage 15

- Trim radiator side air dams to allow fitment of ECB steel mount to the vehicle.



## Stage 16

- Refit bumper support back to vehicle using four (4) M8 x 1.25 x 30 bolts, spring washers and flat washers (per side) (supplied). Finger tighten only.
- Align ECB steel mounts to correct width and ensure they are vertical.
- Tighten all bolts.



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## Stage 17

- Feed headlight washer tube back into position on bumper support. Install split loom tube over areas where tubing crosses ECB steel mount.
- Refit headlight washer hose to right side headlight and install clips that can be refitted to original holes.



## Stage 18

- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
- Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness.

## Stage 19

- Remove fog light from bumper, three Philips screws
- Remove lower grille from bumper using a small flat screw driver.



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## Stage 20

- Fit bumper back to vehicle and hold in position. Mark where ECB steel mounts sit against top of grille area.
- Remove bumper and cut 15mm into top edge of grille opening to allow bumper to mount to vehicle correctly.



## Stage 21

- Refit bumper as per reverse of steps 2 to 7





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## Stage 22

- Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit.  
NOTE: Ensure light is up correct direction.
- Attach ECB bumper lights to protection bar. Use M6 x 20 bolts and washers (supplied) with M6 nuts (supplied).  
TIGHTEN FIRM ONLY.
- Install bumper light surrounds (supplied) to fog light openings. Large side of surround to inside of opening .



## Stage 23

- 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 (supplied) to front air vents of ECB protection bar. NOTE: Trim off inner edge on an angle so trim will sit flush with end of openings.
- *Tip: For best fit, trim angled (outer) end first, place into protection bar, gauge length then add 5 to 8mm, trim rear and insert from ends first, finishing in center*





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## Stage 24

- Install ECB protection bar to ECB steel mounts using (6) M12 x 1.75 x 40 bolts, flat washers, spring washers and nuts.
- Align ECB protection bar to vehicle, tighten all bolts.



## Stage 25

- Connect lights and test for correct operation.
- Road test vehicle to test all active driver assist technology is operational.

# Final Checks & Fitting Kit

## 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. Spot light mounting tabs/provisions (1.75kg max weight)
7. **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.

## Fitting Kit

1 - Pair ECB rear steel mounts	8 - M8 flat washers
1 - Pair ECB front steel mounts	8 - M8 spring washers
1 - Tow Bracket	2 - M6 x 20mm bolts
6 - M12 x 1.75 x 40mm bolts	2 - M6 spring washers
2 - M12 x 1.75 x 35mm bolts	2 - M6 Nuts
16 - M12 flat washers	1 - ECB Indicator/park light kit
8 - M12 spring washers	8 - Cable locks
8 - M12 x 1.75mm nuts	1 - ECB bumper light kit
8 - M10 x 1.5 x 40mm bolts	1 - ECB quick click kit (IC10D40S1004ECBH)
1 - M10 x 1.5 x 35mm bolt and washer on 300mm wire	2 - Bumper light trims
17 - M10 flat washers	1 - 2300mm length 6mm clip lock trim
9 - M10 spring washers	2 - 500mm lengths, 6mm clip lock trim
9 - M10 x 1.5 nuts	2 - 400mm lengths, 10mm split loom tube
8 - M8 x 1.25 x 30mm bolts	

# Finished Product

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## Notes

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Full Name

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Date \_\_\_\_\_

# Warranty Registration

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## Contact Details

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Product: \_\_\_\_\_

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.

## Or Register Online

For online registration please go online to [www.ecb.com.au/warranty-registration](http://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](http://www.ecb.com.au).

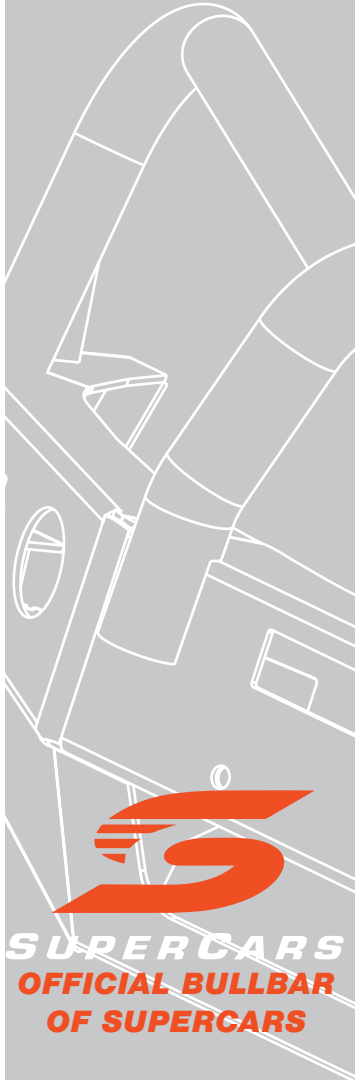


**PN: BS81SY**  
**Please post to PO Box 122,**  
**Margate QLD 4019**



REPLACES: N/A

REVISED: 06.10.20



# **Strongest Built Australian Made Lifetime Warranty**

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