



**WORLD'S BEST
ALLOY BULLBARS**

***Lighter
Stronger
Better!***



**OFFICIAL BULLBAR
OF SUPERCARS**

PN: BS101SY



Fitting Guide & Owners Manual SUBARU OUTBACK 12/17on

BIG TUBE BAR®
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES

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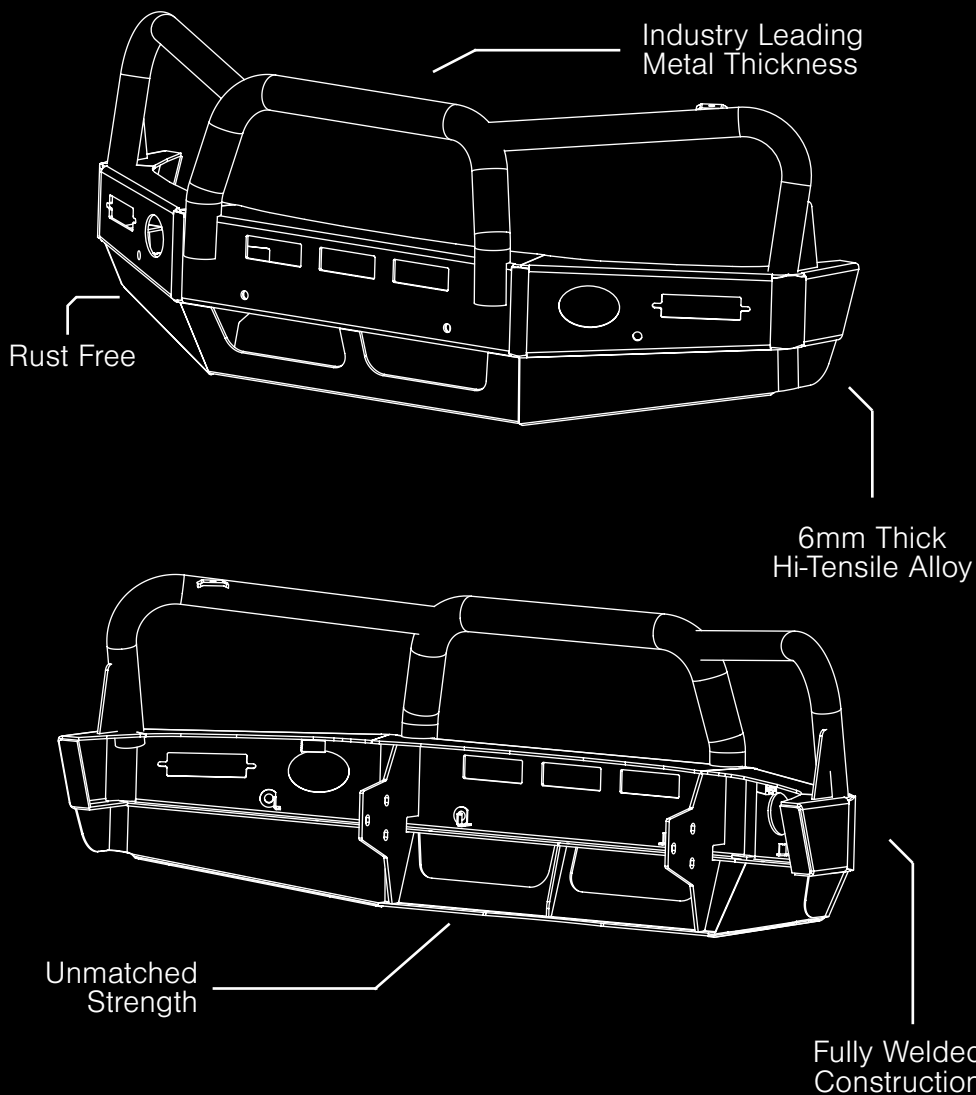
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The Features of ECB



ECB's Benefits

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 over 46 years 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. With over 40 years 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

- Apply park brake and lift Bonnet
- Pull headlight washers out and cover clip up to remove headlight washer cover clip.
- Unwrap ECB protection bar and disconnect steel mounting brackets. Discard bolts.
- Ensure these instructions are left with the vehicle owner/operator.



Stage 2

- From top of bumper between headlights, remove six (6) push pull plastic clips
- Under front of bumper, remove nine (9) push pull plastic clips
- Disconnect camera next to inside of right hand headlight.
- Remove camera connection from retaining clip



Stage 3

- In front of wheel arch, remove one (1) push pull plastic clip
- Pull inner guard rearward and disconnect fog lights



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Stage 4

- Gently pull bumper out from side of vehicle to disconnect from clips and forward to remove from clips under lights.
- Remove camera from rear of grille, two (2) Phillips screws



Stage 5

- From under bumper support, remove two (2) 10mm head bolts in wind deflector
- Remove four (4) 12mm had bolts (per side) from bumper support to chassis.
- Remove bumper support



Stage 6

- On chassis side of bumper support, bend hanging clips flat back into plate
- Refit bumper support to vehicle with ECB steel mounting brackets (supplied) between bumper support and chassis. Install using four (4) M8 x 40 bolts, spring washers and flat washers (supplied). **FINGER TIGHTEN ONLY**
- Refit upper 10mm head bolts to wind deflector



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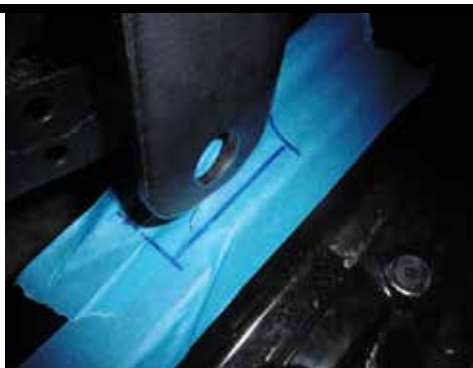
Stage 7

- Align steel mounting brackets to centre of vehicle. Ensure mounts are set to the width of the alloy protection bar mounts.
- Using ECB steel mounting brackets as a guide two drill holes(per side) in front of bumper support.
- **Blow filings clear and treat all exposed metal with a rust inhibitor**
- Install ECB steel mounting brackets to bumper support using four (4) M10 x 1.5 x 30 bolts, spring washers, with washers and nuts on wire (supplied).



Stage 8

- Using ECB mounting brackets as a guide, trim underbelly guard to allow mounts to protrude.



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Stage 9

- Using steel mount measurements, cut lower grille to allow mounts to protrude.

Stage 10

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

Stage 11

- Refit Bumper as per reverse of steps 2 to 4



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Stage 12

- Fit ECB LED indicator / park lights into protection bar as per instructions supplied with LED indicator / park light kit. **NOTE: Ensure light is up the correct direction**



Stage 13

- Attach ECB Fog Light mounts only to protection bar. Use M6 x 20 bolts, spring washer and nuts (supplied). **TIGHTEN FIRM ONLY**
- Fit camera and align in camera mount. Attached with self tapping screws (supplied).



Stage 14

- Attach 6mm clip lock trim (supplied) to top of 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
- **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 15

- Attach ECB protection bar to inside of Steel mounting brackets using three (3) M10 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied)
- Align ECB protection bar with vehicle
TIGHTEN ALL BOLTS.
- Feed camera wiring through grill and connect.



Stage 16

- Connect indicator park lights
- Install fog lights to mounting bracket and connect
- **CHECK OPERATION**

Finished Product



Final Checks & Installation Kit

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

- 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 (YBS101)	2 - M6 spring washers
6 - M10 x 1.5 x 40mm bolts	2 - M6 nuts
4 - M10 x 1.5 x 30mm bolts	2 - 8g x 12 self drilling screws
20 - M10 flat washers	1 - ECB LED Indicator / Park light / DRL kit (ICLED105ECB)
10 - M10 spring washers	1 - ECB Fog light kit (ICLED200DRL)
6 - M10 x 1.5 nuts	2 - Fog light Surrounds
4 - M10 x 1.5 nuts and washers on 300mm wire	1 - Fog light quick click harness - (IC10D40S1004ECBH)
8 - M8 x 1.25 x 40mm bolts	8 - Cable locks
8 - M8 spring washers	1 - 2300mm length 6mm clip lock trim
8 - 5/16 x 1 1/4 flat washers	2 - 450mm lengths 6mm clip lock trim
2 - M6 x 20mm bolts	

Official Bullbar of SuperCars



Join us this year!

The first turbo diesel dual-cab SuperUtes were unveiled on Thursday 6th July in Townsville with confirmation that six different models are available for teams to race in the 2018 Series.

East Coast Bullbars (ECB) was confirmed as naming rights partner of the ECB SuperUtes Series from 2018 onwards, continuing its association with the hugely popular Utes racing category in Australia.

“We are incredibly proud to be the naming rights partner for the inaugural ECB SuperUtes Series which will showcase our world class product in what is one of the largest segments in the Australian automotive industry,” said Ray Smith-Roberts, Managing Director – East Coast Bullbars

Keep an eye out for ECB at SuperCars events near you!

Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **BS101SY** _____

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.

Please post to:

PO Box 122, Margate QLD 4019

Or Register Online:

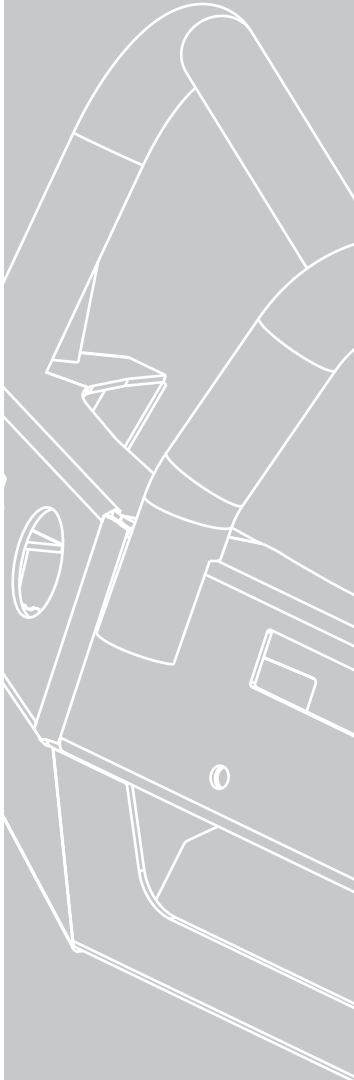
For online registration please go online to www.ecb.com.au/warranty. If you have any
questions please contact our national office on 1800 069 145 or www.ecb.com.au.



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1800 069 145
www.ecb.com.au

29 Snook St, Clontarf QLD 4019
PO Box 122, Margate QLD 4019