



**Strongest Built
Australian Made
Lifetime Warranty**

PN:BS71SY



Fitting Guide & Owners Manual

SUBARU FORESTER

MY21 08/21 ON

BIG TUBE BAR WITH ECB BUMPER LIGHTS
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES

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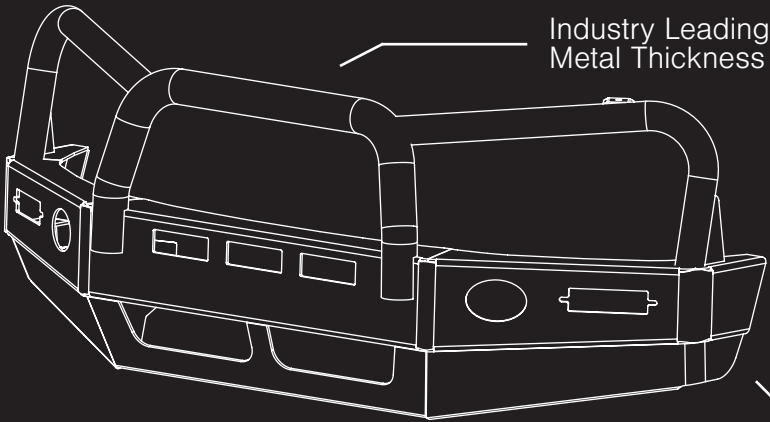
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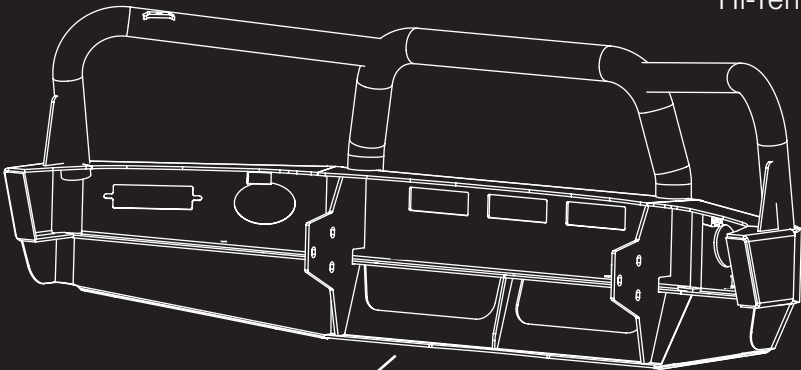
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The Features of ECB



Industry Leading
Metal Thickness



6mm Thick
Hi-Tensile Alloy

Unmatched
Strength

Fully Welded
Construction

*Generic Big Tube Bar Shown

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.

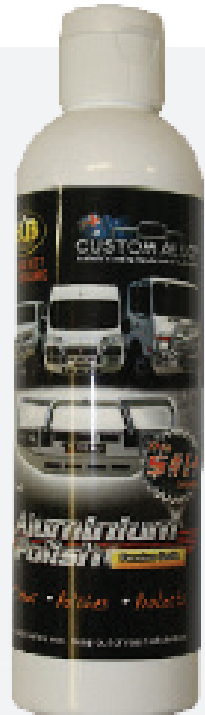
Powdercoated Products

Our powdercoated finishes are very low maintenance. In fact 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 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

- Remove headlight washers from bumper. Pull headlight washer out and unclip top clip from washer stalk.
- **NOTE:** Take care not to over extend the washer stalk.



Stage 3

- Remove plastic engine splash guard from under vehicle, twelve (12) plastic push pull clips and four (4) 12mm head bolts.



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Stage 4

- Remove six (6) plastic push pull clips from top of grille, ten (10) plastic push pull clips from under bumper and one (1) plastic push pull clip (per side) from bumper wing in wheel arch.
- Unplug fog lights and washer lines if fitted to vehicle.
- Carefully pull sides of bumper out from vehicle then forward to release the support clips on guard and under headlight. Remove bumper



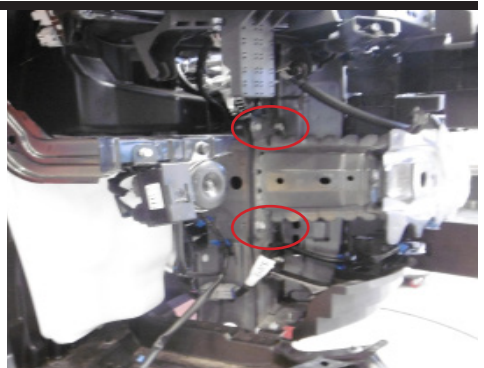
Stage 5

- Remove polystyrene foam padding from front of bumper support.
- Disconnect wiring and washer lines from top and behind bumper support.
- On bottom edge of bumper support, remove two (2) 10mm head bolts from blind system to bumper support.



Stage 6

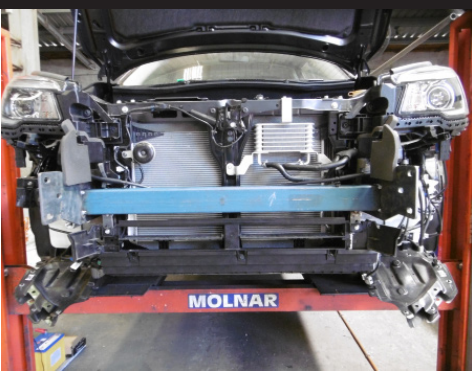
- Remove bumper support from vehicle, eight (8) 12mm head bolts at front of chassis rails.



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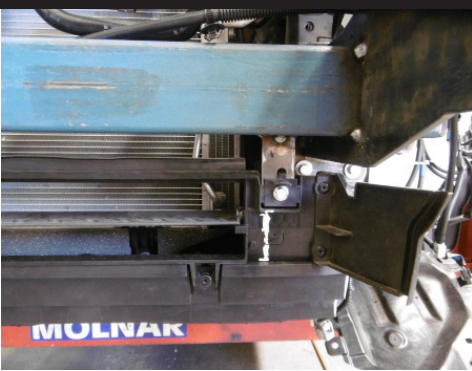
Stage 7

- Install ECB steel mounting bracket (supplied) to vehicle using eight (8) M8 x 30 bolts, spring washers and flat washers, into the captive nuts from where original bumper support was removed from the vehicle.



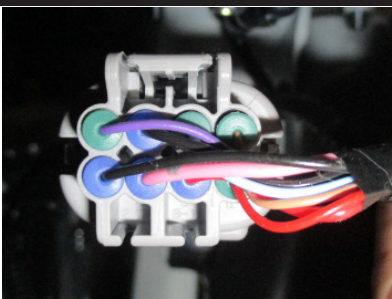
Stage 8

- Reconnect the blind system to the vehicle using two (2) M6 x 20 bolts, flat washers and nyloc nuts (supplied).
- Attach washer line to top of ECB steel mount using Zip ties (supplied).



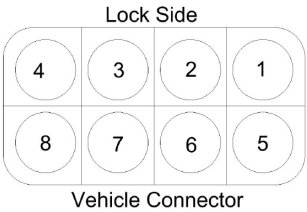
Stage 9

- From rear of headlight, splice ECB DRL (brown) and indicator (green) wire to required outputs in vehicle as set in below table



Note: Wiring is correct at time of development. Check all wiring on your vehicle for correct outputs to lighting before any permanent wiring is completed.

Pin number	Colour	Use
2	Light Blue	DRL
7	Pink	Indicator



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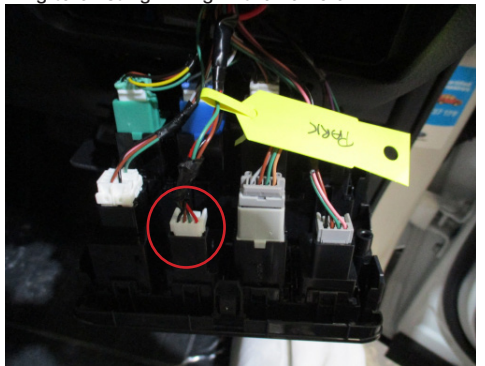
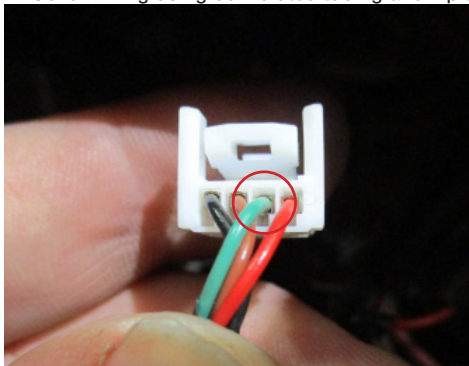
Stage 10

- Attach ECB Ground wire (White) to body bolt for grounding of light.
- At time of development, the ground wire has been run across the vehicle from the drivers to the passengers side and earthed to the body ground point behind the fuse box.



Stage 11

- On door side of dash panel, carefully remove switch panel by opening coin holder, place fingers behind switch panel and gently push out. Switch panel should unclip from dash.
- On rear of panel, select 2nd connector from steering column. On the development vehicle this was a blank panel on the front.
- Attach park wire to pin 2 of this connector and run through firewall to front of the vehicle.
- Attach park wire at front of vehicle to ECB parking light wire on both sides of the vehicle.
- Cover wiring using convoluted tubing and zip tie wiring to existing wiring in the vehicle.



Stage 12

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

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Stage 13

- Mask front of bumper in the approximate area where the bumper will be cut.
- Check template for correct scale. Using a sharp pair of scissors, carefully cut the out bumper template supplied with these instructions.
- Place the bumper template on the bumper aligning the marking on the template to the bumper lines. Mark the cut line on the bumper.
- Double check cut lines to steel mount to ensure marking is correct.
- Being as neat as possible, use a jigsaw or similar to carefully cut previously marked area of bumper. Driver side will need more trimmed out to allow for tow hook , trim until tow hook fits into nut on steel mount.
- Tidy cut line as this is a finished cut.



Stage 14

- Remove camera and housing from rear of grille.
- Trim top mounting point from camera housing and relocate into protection bar (MY19 only). Align camera central in mounting bracket and drill two 5mm holes. Install using two (2) M5 x 20mm bolts, flat washers and nyloc nuts (supplied).
- Remove wiring clip from headlight panel for extra length.



Stage 15

- From rear of bumper, remove fog lights, one (1) plastic screw clips and one (1) 10mm head bolt.
- Refit bumper back to vehicle as per reverse of stages 2 to 4.
- Ensure wiring harness are pulled through to front of bumper for easy access for completion of fitment.



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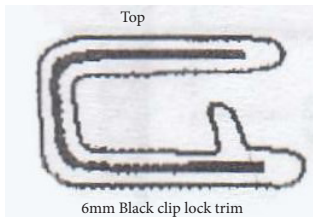
Stage 16

- Fit ECB LED indicator / park lights / DRL into protection bar as per instructions supplied with the LED indicator kit. NOTE: Ensure park light is to top.



Stage 17

- Attach 2300mm length 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 500mm length of 6mm lock clip trim (supplied) to each of the centre holes in the lower skirt. Trim any excess when fitted.
- Attach 200mm length of 6mm clip trim (supplied) to each of the outer holes in the lower skirt. Trim any excess when fitted and ensure that trim is crimped tight on the 3mm outer section.



Stage 18

- Install protection bar to steel mounting brackets using six (6) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied).
- Align protection bar to vehicle with 5 to 10mm gap around the bumper and the front of the bullbar vertical.



TIGHTEN ALL BOLTS

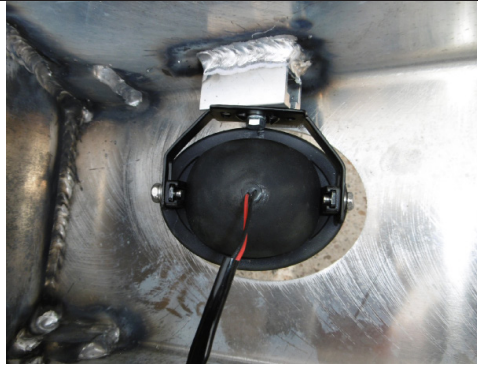
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Stage 19

- 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.

- Install bumper light surrounds to cut outs with large side of surround to inside of opening.



Stage 20

- Connect lights, camera and test for correct operation.
- Test drive vehicle to ensure all driver assists work correctly.

Stage 21

- Ensure tow hook supplied with installation kit is left on the passenger side floor for vehicle owner and/or operator.

Final Checks & Installation 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. **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 - Steel mounting bracket	4 - M5 flat washers
1 - M20 x 250mm tow hook (round ring)	2 - M5 nyloc nuts
6 - M12 x 1.75 x 40mm bolts	1 - 2300mm length, 6mm clip lock trim
12 - M12 flat washers	2 - 500mm lengths, 6mm clip lock trim
6 - M12 spring washers	2 - 200mm lengths, 6mm clip lock trim
6 - M12 x 1.75 nuts	1 - ECB LED Indicator / Park / DRL light kit
8 - M8 x 1.25 x 30mm bolts (into captive nuts)	8 - Cable locks
8 - 5/16 x 1 flat washers	1 - Bumper light kit
8 - M8 spring washers	1 - Quick Click kit (IC10D40S1004ECBH)
4 - M6 x 20mm bolts	2 - Fog light surrounds
6 - M6 flat washers	1 - 5 mtr length, single core wire
2 - M6 nyloc nuts	1 - 3 mtr length, 10mm convoluted tubing
2 - M6 spring washers	1 - 8mm ring terminal
2 - M6 nuts	20 - 300mm zip ties
2 - M5 x 20mm bolts	

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **BS71SY** _____

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.

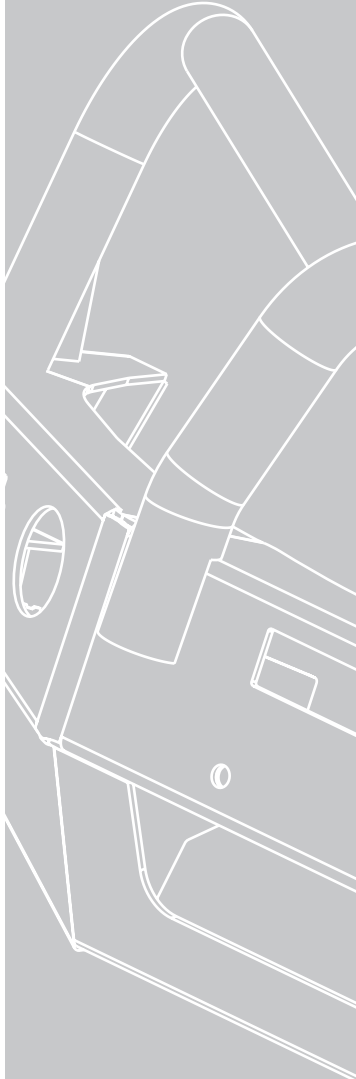
Or Post To

PO Box 122, Margate, QLD 4019



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