



**Lighter  
Stronger  
Better!**

**Strongest Built  
Australian Made  
Lifetime Warranty**

PN:EAH155SY



# **Fitting Guide & Owners Manual**

## **HOLDEN COLORADO Z71 & LS-X 06/2019on**

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



# Index

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## **Pages 3-5**

ECB's Benefits  
Product Care

## **Pages 6-7**

Stage 1 - Vehicle Testing and Preparation  
Stage 2 to 6 - Remove bumper

## **Pages 8-9**

Stage 7 - Bumper support  
Stage 8 - Lower retainers  
Stage 9 - Trim inner guards  
Stage 10 - Chassis rail adjustment  
Stage 11 - Tabs on chassis rail  
Stage 12 - Air dam trim

## **Pages 10-11**

Stage 13 - Parking sensor relocation  
Stage 14 - Trim bumper  
Stage 15 - Steel mounting bracket installation  
Stage 16 - Refit bumper  
Stage 17 - Trim Flares  
Stage 18 - Indicator fitment

## **Pages 12-13**

Stage 19 - Bumper light fitment  
Stage 21 - Light wiring  
Stage 21 - Clip lock trim  
Stage 22 - Protection bar installation  
Stage 23 - Connect, check and testing  
Final Checks & Installation Kit

## **Pages 14-15**

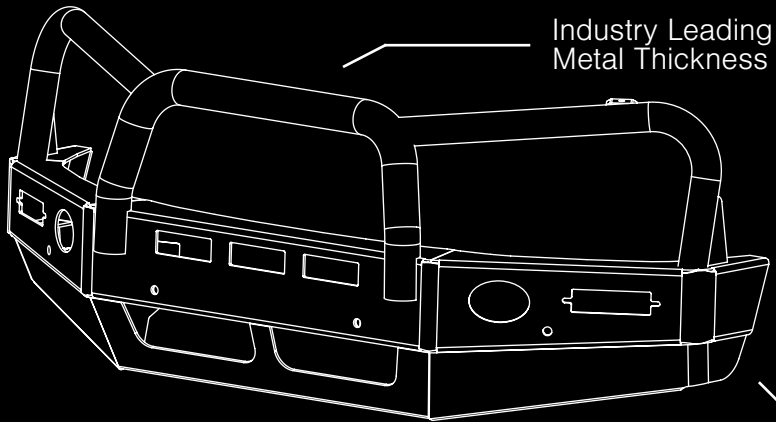
Finished Product  
Warranty Registration

## **Pages 16-17**

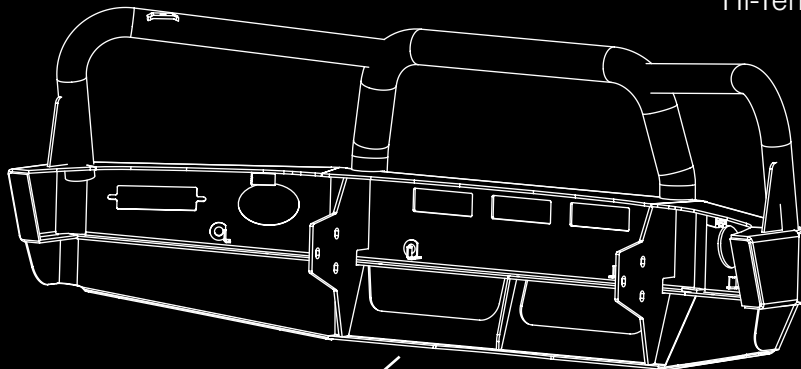
Notes

# The Features of ECB

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Industry Leading  
Metal Thickness



6mm Thick  
Hi-Tensile Alloy

Unmatched  
Strength

Fully Welded  
Construction

# 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 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

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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 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

- 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 eight (8) T20 torx screws from top of grille and five (5) 10mm head bolts from underside.
- From flare remove one (1) phillips screw per side.



## Stage 3

- Remove two (2) T15 Torx screws from the guard liner per side.



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## Stage 4

- Starting at bottom of guard, gently and slowly pull flare away from guard to just above join of bumper and guard.
- Avoid damage to rubber seal.



## Stage 5

- From under vehicle, remove four 10mm head bolts and two plastic push / pull clips from under plastic body guard.



## Stage 6

- Gently pull bumper away from vehicle to release clips from bumper to guard.
- Disconnect wiring harness for parking sensors (drivers side) and fog lights (per side).
- Pull bumper from centre of bumper to release clips.
- Pull bumper forward to remove.



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## Stage 7

- Remove bumper support four (4) 14mm head bolts, from end of chassis.



## Stage 8

- Mark and cut lower retainers, drill out pop rivets lower retainer.
- **Note:** Blow filings clear and treat all exposed metal with a rust inhibitor.



## Stage 9

- Remove inner guard supports two (2) 8mm nuts (per side).
- Mark and neatly trim inner guards.





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## Stage 10

- Enlarge front hole on inside of rail large enough to fit 44mm spacer tube.
- **Blow filings clear and treat all exposed metal with a rust inhibitor.**



## Stage 11

- Flatten out tab on the end of chassis rail so steel mount sits flush.



## Stage 12

- Mark and carefully cut air scoops.
- Caution: leave as much of this air dam in place as possible as cooling system of vehicle when driven under fully laden conditions (at close to maximum weight of vehicle and trailer combined), maybe affected.



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## Stage 13

- Remove parking sensors and harness from bumper and relocate into parking sensor housing fitted to the protection bar. Ensure silicon ring is attached to front of sensor. Sensor should be aligned with front of parking sensor mount. Rotate parking sensor mount to suit direction sensor was removed from vehicle. Place zip tie through rear of sensor mount. **NOTE:** This zip tie ensures sensor is retained in harsh conditions. Do not overtighten.
- Zip tie wiring harness to channel using zip ties (supplied).



## Stage 14

- Using paper masking tape, mask area to be cut to avoid damage.
- As printers vary, check measure template to ensure correct sizing.
- From this instruction, using sharp scissors, carefully cut out template.
- Mark and cut bumper using jigsaw, hack saw or similar.



**CAUTION:** Double check all marked lines before trimming.

## Stage 15

- Fit ECB steel mounting bracket using M10 x 1.25 x 40mm bolts, flat washer and spring washer, one (1) 50 x 25 x 6mm washer plate and one (1) 40 x 40 x 6mm washer plate (per side) (supplied), **finger tighten only.**
- Fit M12 x 1.75 x 90mm bolt, flat washer, spring washer, M12 x 1.75 nut and 44mm tube spacer (supplied) into front side hole on rail.
- Ensure mount is central to body and level and **Tighten all bolts.**



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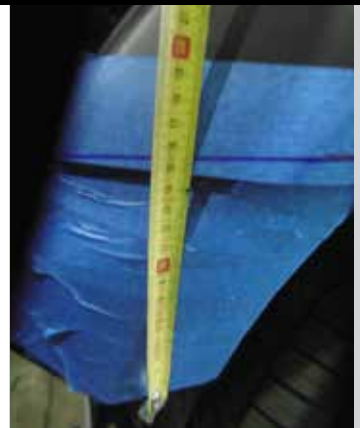
## Stage 16

- Refit bumper steps 2 to 3



## Stage 17

- To trim flares, measure up 155mm from bottom of metal guard, tape area to be trimmed to avoid any damage to flare and guard.
- Trim and install 3mm clip lock onto trimmed flare .
- Firmly push flare back onto guard.



## Stage 18

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



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## Stage 19

- Attach ECB bumper 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.**

- Install bumper light surrounds (supplied) to bumper light openings. Large side of surround to inside of opening.



## Stage 20

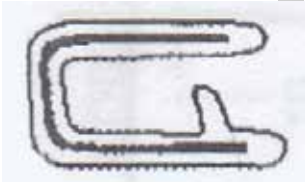
- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.



Pin number	Wiring Colour	Application
5	Grey	Earth
6	Blue / White	Indicator
8		DRL
10	Purple / Grey	Parking light

## Stage 21

- 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.



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## Stage 22

- Fit protection bar onto steel mount fix with M12 x 1.75 x 40mm bolts, flat washers, spring washers and M12 x 1.75 nuts (supplied) **Finger tighten only.**
- Align protection bar with vehicle and **tighten all bolts .**



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## Stage 23

- Connect parking sensors, fog lights and indicators /park/DRL .
  - Check sensors and lights are working correctly.
  - Test drive vehicle to ensure all driver aids are correctly working.
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# 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

### Installation Kit

1 - ECB steel mounting bracket	2 - M6 x 20mm bolts
2 - 40 x 25 x 6mm washer plates	2 - M6 spring washers
2 - 40 x 40 x 6mm washer plates	2 - M6 nuts
2 - 13 NB x 44mm tube spacer	1 - ECB indicator/park/DRL(ICLED105ECB)
8 - M12 x 1.75 x 40mm bolts	8 - Cable locks
2 - M12 x 1.75 x 90mm bolts	1 - ECB bumper light kit
20 - M12 flat washers	1 - Quick click harness (IC10D40S1004ECBH)
10 - M12 spring washers	4 - Bumper light surrounds
10 - M12 x 1.75 nuts	1 - 2500mm length 6mm clip lock trim
4 - M10 x 1.25 x 40mm bolts	2 - 200mm lengths 3mm clip lock trim
4 - M10 flat washers	16 - 300mm zip ties
4 - M10 spring washers	

# Finished Product

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# Warranty Registration

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## Contact Details

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

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

\_\_\_\_\_

Product: **EAH155SY** \_\_\_\_\_

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/TBC](http://www.ecb.com.au/TBC). If you have any  
questions please contact our national office on 1800 069 145 or [www.ecb.com.au](http://www.ecb.com.au).





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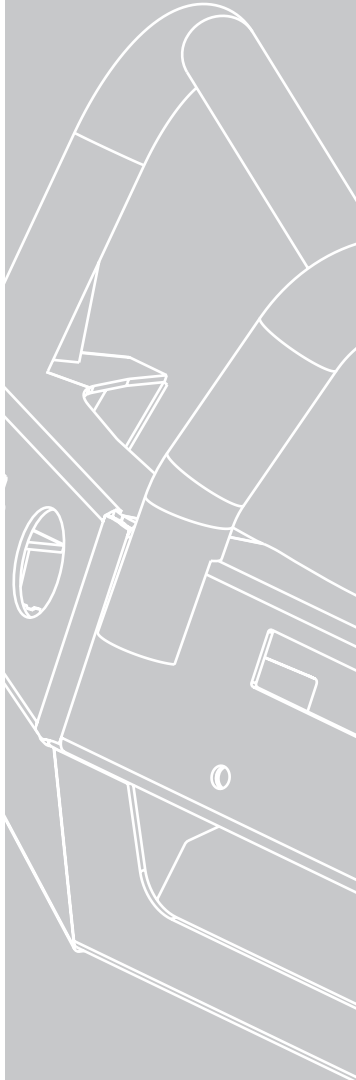
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REVISED: 4.10.19



1800 069 145  
[www.ecb.com.au](http://www.ecb.com.au)

# **Strongest Built Australian Made Lifetime Warranty**

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