



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:EAH156SY



Fitting Guide & Owners Manual

Holden Colorado

Z71& LS-X MY20, 6/2019on



Winch compatible Big Tube Bar
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES

Index

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 - Mount installation

Stage 16 - Refit bumper

Stage 17 - Trim Flares

Stage 18 - Indicator fitment

Pages 12-13

Stage 19 - Fog lights fitment

Stage 20 - Light wiring

Stage 21 - Clip lock trim

Stage 22 - Protection bar installation

Stage 23 - Connect, check and testing

Final Checks

Pages 14-15

Fitting Kit

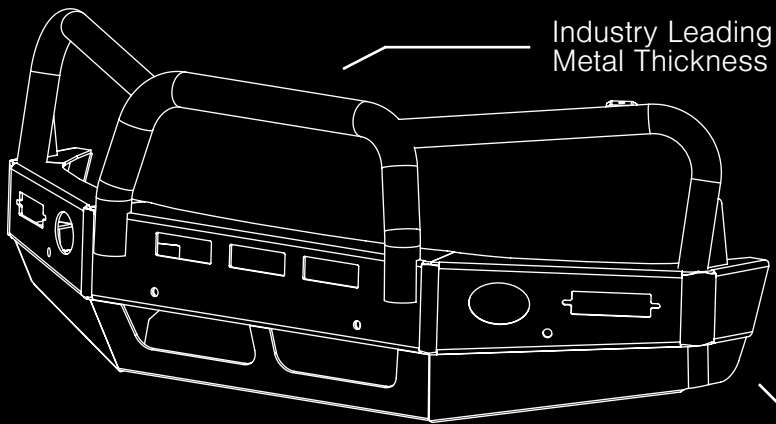
Finished Product

Pages 16-17

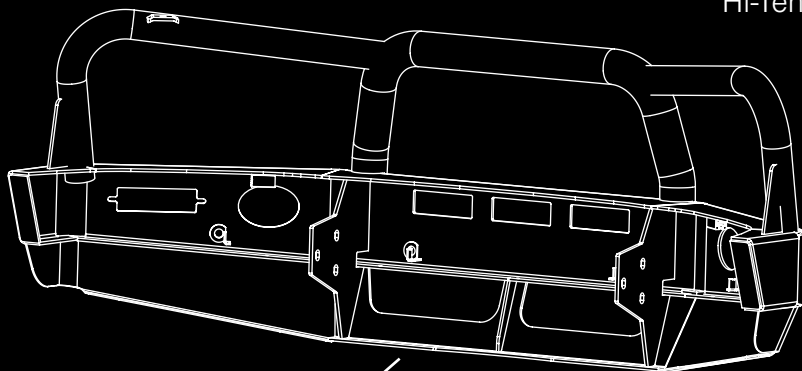
Warranty Registration

Notes

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 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.



EAH157SY

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, five (5) 10mm head bolts from underside (if flares remove one pk screw per side)



Stage 3

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



Holden Colorado Z71

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 (4) 10mm head bolts and two (2) plastic push / pull clips from under plastic body guard.



Stage 6

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



EAH157SY

Stage 7

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



Stage 8

- Mark and cut lower guard to bumper retainers. Drill out pop rivets and remove lower retainer.

Note : Blow filings clear and treat all exposed metal with a rust inhibitor.



Stage 9

- Remove inner and outer guard supports, two (2) 10mm nuts per side .
- Mark and trim inner guards .



Holden Colorado Z71

Stage 10

- Enlarge front hole on inside of rail large enough to fit 44mm spacer tube .

Note : 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 cut air dams.

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), may be affected.



EAH157SY

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.
- Zip tie (supplied) wiring harness to channel .



Stage 14

- Mark and cut bumper using template supplied, using jig saw, hack saw or similar.
- Mask area to be cut to avoid damage.
- Double check before trimming.



Stage 15

- Fit ECB winch frame (supplied) onto chassis rail using M10 x 1.25 x 40 bolts, 50 x 25 x 6mm washer plate, flat washer and spring washer. **Finger tighten only.**
- Fit M12 x 1.75 x 90mm bolts, flat washer, spring washer and 44mm tube spacer (supplied) into front side hole on rail and M12 x 1.75 x 40mm bolt, flat washer, spring washer and M12 x 1.75 nut (supplied) in rear side hole. Ensure mount is central to body and level. **Tighten all bolts.**



Holden Colorado Z71

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.
- Place 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.



EAH157SY

Stage 19

- Attach ECB fog 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 fog light surrounds (supplied) to fog light openings and winch openings. Large side of surround to inside of opening on lights and to rounded side of winch openings.



Stage 20

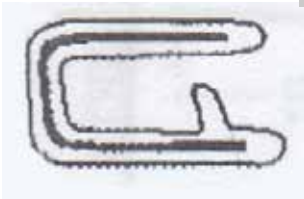
- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
- Connect ECB Quick Click fog light wiring harness (supplied) into original wiring harness.



Pin Number	Colour	Application
5	Grey	Earth
6	Blue / White	Indicator
8		DRL
10	Grey Brown	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.



Holden Colorado Z71

Stage 21

- Fit protection bar onto steel mount using 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 .**



Stage 22

- Connect parking sensors, fog lights and indicator /park/DRL .
 - Check lights are working correctly.
 - Test drive vehicle to ensure sensors are working correctly.
-

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

Installation Kit

1 - ECB winch frame	4 - M10 spring washers
1 - Warn winch control bracket (WIN_CONT_BMS) - in kit	2 - M6 x 20mm bolts
1 - Mean Mother winch bracket (MOTHERCB-B4MS) - in kit	2 - M6 spring washers
2 - 13nb tube spacers 44mm long	2 - M6 nuts
2 -100mm worm drive hose clamps	1 - Pair ECB Indicator /DRL / Park Lights
4 - Washer plates 50 x 25 x 6mm	8 - Cable locks
2 - M12 x 1.75 x 90mm bolts	1 - Fog light kit
10 - M12 x 1.75 x 40mm bolts	1 - ECB quick click (IC10D40S1004ECBH)
24 - M12 flat washers	4 - Fog light surrounds
12 - M12 spring washers	1 - 2500mm length 6mm clip lock trim
12 - M12 x 1.75 nuts	1 - 750 mm 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 - 150mm zip ties

Finished Product



Warranty Registration

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.
If you have any questions please contact our national office on 1800 069 145 or
www.ecb.com.au.



PN: EAH156SY
Please post to: PO Box 122,
Margate QLD 4019

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

REPLACES: N/A
REVISED: 08.10.19

Strongest Built Australian Made Lifetime Warranty

1800 069 145
www.ecb.com.au

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