



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:NBH155SY



Fitting Guide & Owners Manual

**HOLDEN COLORADO Z71 & LS-X
WITH LOWER FRONT SPOILER**

MY20 2019

76mm Nudge bar
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES



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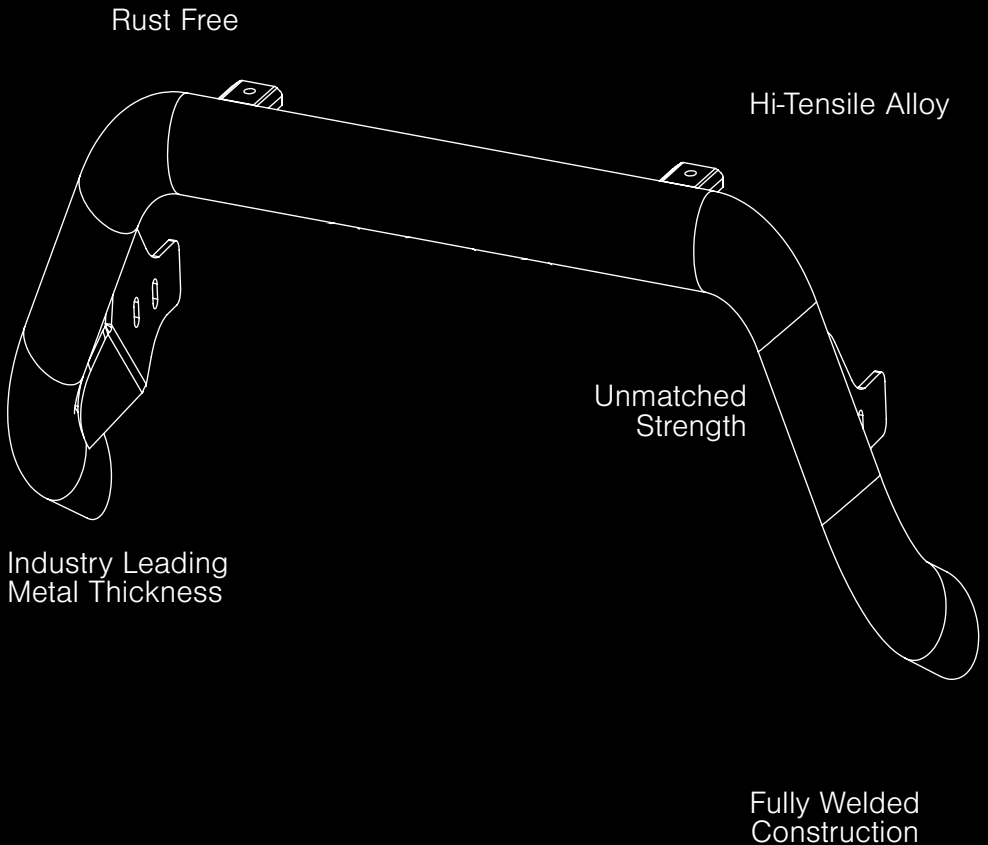
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The Features of ECB



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

- 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 three (3) 10mm head screws from underside of bumper.



Stage 3

- Remove underbelly guard, two (2) 16mm head bolts at rear and two (2) 15mm head bolts at front.
- Retain all bolts for refitment.



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Stage 4

- Pull down on bottom of bumper and remove polystyrene cushioning from inside lower bumper.



Stage 5

- From under side of bumper, pull bumper down and remove two (2) centre parking sensors from housing.
- Unclip parking sensor harness from bumper so end connection is long enough for harness to be extended.



Stage 6

- Extend sensor harness with 300mm single core wire and solder joiners (supplied). Place exposed wiring in 10mm convoluted tubing (supplied).
- Ensure wiring is through sensor hole in bumper. Connector needs to be on outside of bumper.



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Stage 7

- When sensors are extended, pull center of bumper down and place the bumper polystyrene infill back into position.



Stage 8

- Remove two (2) 15mm head bolt from front of stabilizer bar beside tow hook.
- Loosen only, one (1) 14mm head bolts, from front of rear crossmember. Allow to hang.



Stage 9

- Install steel mounting brackets (supplied) between stabilizer bar and cross member, fit using original equipment bolts.
- In top holes fit 3/8 x 3 1/2 bolts, 50mm square washer, flat washers, spring washer and 3/8 nuts (supplied).



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Stage 10

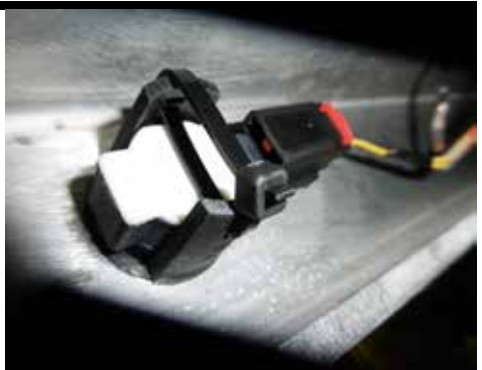
- Using measurement between alloy mounts on protection bar, adjust steel mounting brackets with measurement to outside.
- Check steel mounting brackets are central to vehicle and run parallel.
Tighten all bolts.



Stage 11

- Relocate centre parking sensors into supplied housing in protection bar (ensure sensor is in correct way). Gently push sensor into housing until front of sensor is level with front of housing .
- Secure sensor in housing with zip tie through holes in housing just above sensor.

Caution: Do no overtighten zip tie as this may cause sensor to give false readings.



Stage 12

- Refit underside of bumper and underbelly guard.



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Stage 13

- Fit protection bar onto steel mounting brackets using M10 x 1.5 x 40mm bolts, M10 washers, M10 spring washers and M10 x 1.5 nuts **Finger tighten only.**



Stage 14

- Align protection bar with vehicle.
Tighten all bolts.
- Connect centre parking sensors.



Stage 15

- Test drive vehicle to test all vehicle systems.
- Test parking sensors are operating correctly.

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 - Pair steel mounting brackets	2 - 3/8 x 3 1/2 bolts
2 - 50mm square washer	2 - 3/8 nuts
4 - M10 x1.5 x 40mm bolts	2 - 300mm lengths three core wire
12 - M10 flat washers	12 - Solder joiners
6 - M10 spring washers	2 - 300mm lengths,10mm convoluted tubing
4 - M10 x 1.5 nuts	2 - 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

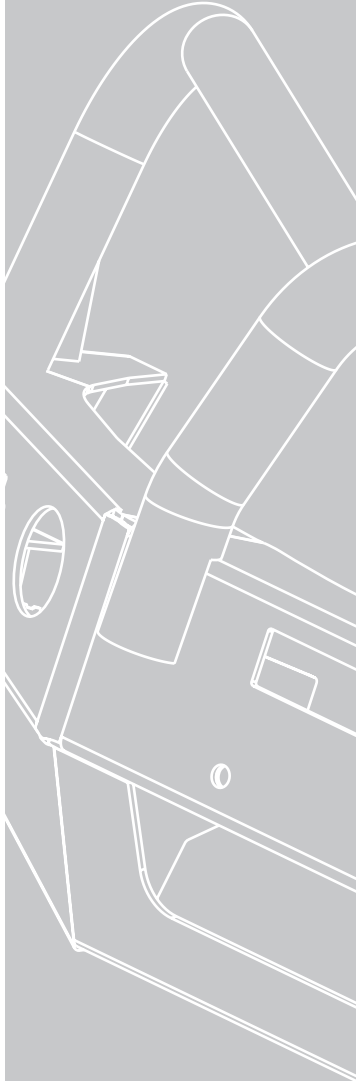
For online registration please go online to www.ecb.com.au/TBC. If you have any questions please contact our national office on 1800 069 145 or www.ecb.com.au.



PN: NBH155SY
Please post to: PO Box 122,
Margate QLD 4019

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REPLACES: N/A
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www.ecb.com.au

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