



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN: NBH132SY



Fitting Guide & Owners Manual

Holden Acadia

03/2019 ON

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



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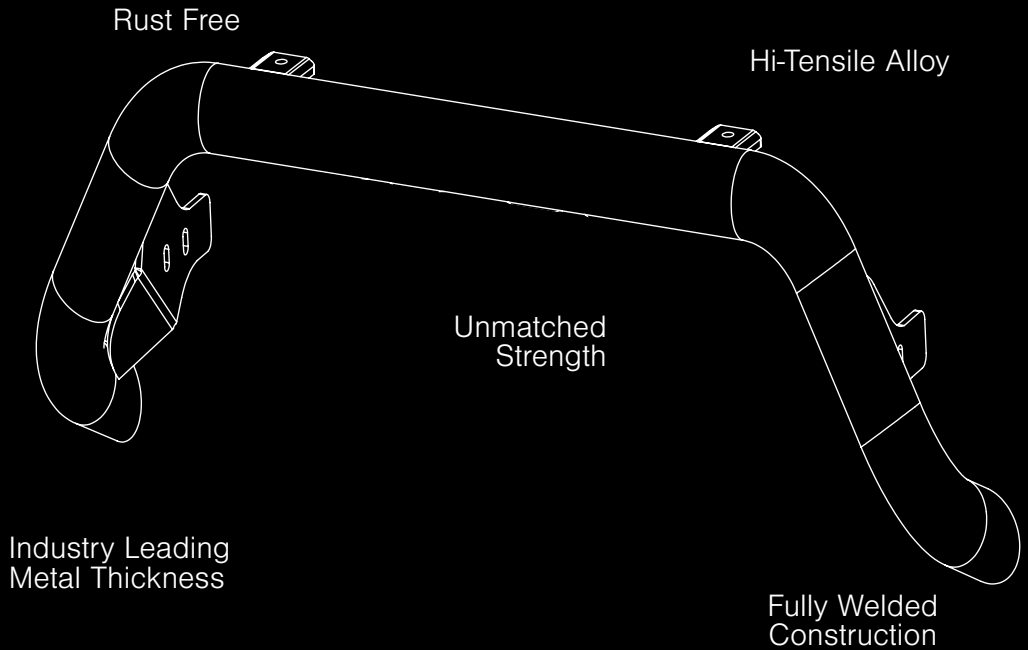
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The Features of ECB



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

- Top of grille remove seven (7) T15 Torx screws.



Stage 3

- In front of inner wheel arch, remove three (3) T15 Torx screws (per side).
- Pull guard lining away to expose one (1) 7mm head screw to the top of the guard/ bumper flange. Remove screw.



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Stage 4

- From underside of bumper, remove ten (10) 7mm head screws.
- In lower grill remove two (2) 7mm head screws.



Stage 5

- Unplug sensor and camera on drivers side.
- Unclip temperature sensor from lower bumper support.



Stage 6

- Carefully pull flare away from bumper.
- Gently pull side wing out from side and forward to remove bumper.



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Stage 7

- Unplug sonar unit and remove from bumper support, three (3) 7mm head screws.
- Remove sonar unit from mount, three (3) 10mm nuts.



Stage 8

- Install sonar unit and plastic cover (supplied) onto sonar mount (supplied) using three (3) M6 x 50mm bolts, flat washers, nuts and nyloc nuts (supplied) to secure sonar to mount. (see picture for correct assembly of bolt)



Stage 9

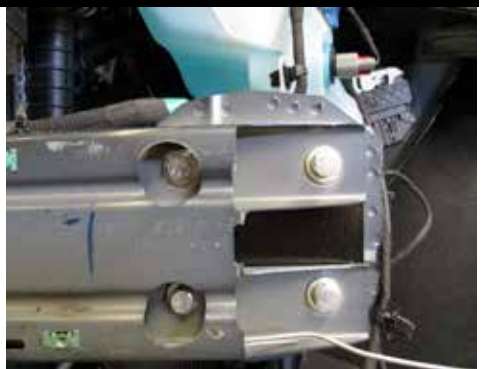
- Mount sonar unit to lower bumper support on the passenger side, using rectangular holes in support next to lower air dam. Trim air dam so harness can be connected.
- Using M8 x 25mm bolts, flat washers and M8 nuts and washer on 300mm wire (supplied) secure sonar unit to bumper support.
- Release harness from water bottle to extend harness and reconnect sonar unit.



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Stage 9

- To fit steel mounts (supplied), one side at a time remove four (4) 13mm head bolts from bumper support, slide mount between chassis rail and bumper support.
- Secure mounts with M10 x 1.50 x 35mm bolts, flat washers and spring washers (supplied).
- Measure outside measurement of mounts on protection bar and set steel mount inside measurement to match.



- **Tighten bolts.**

Stage 11

- Remove Camera from bumper one (1) T15 Torx screws.
- Pull wiring harness forward and unclip from bumper. Feed through centre parking sensor on passenger side.



Stage 12

- Remove centre and two outer parking sensors from bumper.
- Extend sonar wiring 150mm with single core wire and solder joiners provided. Feed wiring through passengers centre sensor hole while extending.
- Extend two (2) outer sensors 550mm with three core wire and solder joiners (supplied). Feed wiring through centre sensor holes while extending.
- Cover exposed wiring with 500mm convoluted 10mm tubing (supplied). Join section of 150mm convoluted tubing from side of 500mm tubing to go to camera.
- Enclose two (2) outer sensor holes with plugs (supplied).



NOTE: Overheating of connectors will cause the plastic sheathe to melt, while under heating will not melt the solder enough to create a strong connection. Hold joint still until solder is solid for a good join.

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Stage 13

- Place camera into housing on protection bar and lock lower notch into housing on protection bar.
- Secure into position with M5 flat washer and nyloc nut (supplied).



Stage 14

- Replace bumper in reverse as per steps 2 to 3.
- Under guards to be refitted after protection bar fitted.



Stage 15

- Place parking sensors into housing on protection bar and secure with zip ties.
- Do not over tighten zip ties as this could cause sensors to give false readings .



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Stage 16

- Fit protection bar to vehicle using M10 x 1.50 x 40mm bolts, flat washers, spring washers and nuts (supplied). **Finger tighten only.** Rear bolts are put in from underside of bumper.
- Align protection bar and **tighten all bolts.**
- Connect sensors and camera .



Stage 17

- Refit underbody splash guards to vehicle.
- Connect and check camera and sensors.
- Test drive vehicle to ensure the correct operation of all driver assists.



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.**

Installation Kit

1- Pair steel mounting brackets	6 - M6 nuts
1- Sonar mount (A4MS powder coat black)	3 - M6 nyloc nuts
4 - M10 x 1.5 x 40mm bolts	1 - M5 flat washer
8 - M10 x 1.50 x 35mm bolts	1 - M5 nyloc nut
16 - M10 flat washers	1 - Perspex cover (EAMB100SYA2PL)
12 - M10 spring washers	6 - 150mm lengths single core wire
4 - M10 x 1.50 nuts	2 - 550mm lengths three core wire
2 - M8 x 25 mm bolts	1 - 150mm length 10mm convoluted tubing
2 - M8 flat washers	2 - 500mm lengths 10mm convoluted tubing
2 - M8 spring washers	24 - solder joiners
2 - M8 nuts and washer on 300mm wire	2 - 19mm plastic plug (KTC8C19)
3 - M6 x 50mm bolts	4- 150mm zip ties
12 - M6 flat washers	

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.

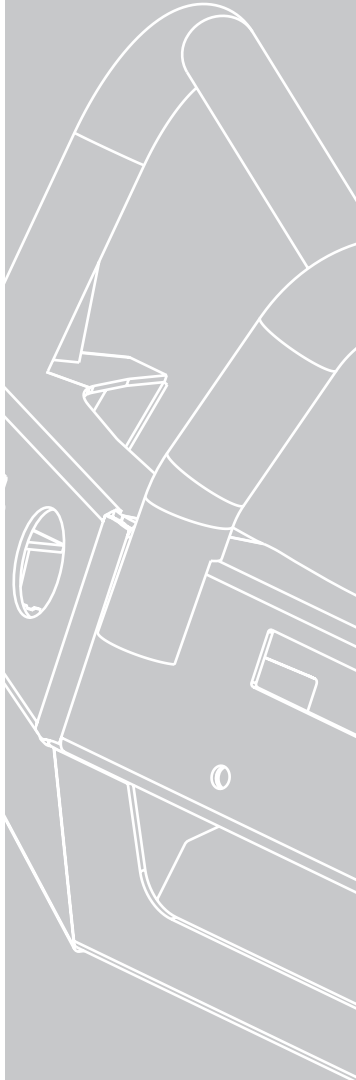
Or Register Online

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: NBH132SY
Please post to: PO Box 122,
Margate QLD 4019

REPLACES: N/A
REVISED: 26.10.19



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Strongest Built Australian Made Lifetime Warranty

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