



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:NBMA34SY



**Fitting Guide &
Owners Manual
Mazda CX5 Akera
01/2022 on**

76mm Nudge 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 Preparation
Stages 2 to 5 - Bumper Removal
Stage 6 - Steel mounting bracket installation

Pages 8-9

Stages 7 to 8 - Plastics trim and refitment
Stage 9 - Sensor removal and extension
Stage 10 - Bumper refitment
Stage 11 - Protection Bar installation
Stage 12 - Testing and Camera cover Fitment

Pages 10-11

Final Checks & Installation Kit
Finished Product

Pages 12-13

Warranty Registration

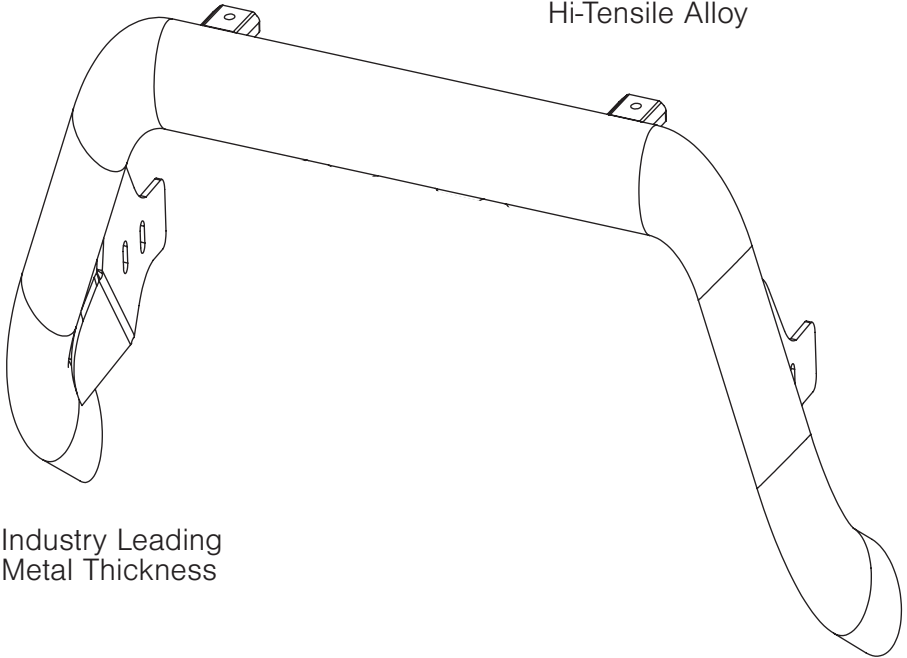
Pages 14-15

Notes

The Features of ECB

Rust Free

Hi-Tensile Alloy



Industry Leading
Metal Thickness

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.**

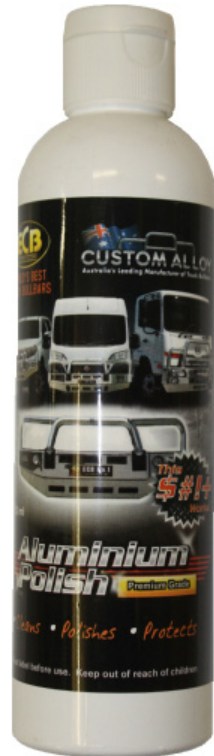
Powdercoated Products

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.



NBMA34SY

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 centre trim from top of bumper by removing two black push-pull clips. Remove four (4) Phillips head screws and four (4) push-pull clips from top of bumper.



Stage 3

- From front of wheel arch, remove two (2) push pull plastic clips.
- Gently pull outer wheel arch trim away from bumper and guard to release plastic clips.

Caution: take care not to stress wheel arch trim as this will stretch the plastic supports in the rear and make it difficult to refit to position.



Mazda CX8 02/18 on

Stage 4

- From front of wheel arch (per side) remove three (3) push-pull clips, ten (10) phillips head screws, and two (2) push-pull clips from under side of bumper. Pull centre of under body guard down and remove two (2) push-pull clips from bumper. Remove one (1) 10 mm head bolt from rear wing (per side).
- Disconnect fog lights and parking sensors.
- Carefully pull out on rear wing to unclip bumper from guard, pull bumper forward to unclip from headlight.



Stage 5

- Remove foam pad from bumper support.
- Remove lower centre ducting by releasing one (1) 10mm head bolts and two (2) push pull plugs.

Stage 6

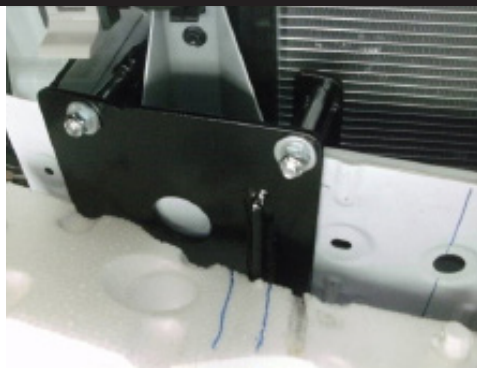
- Fit ECB steel mounting brackets (supplied) onto front of bumper support.
- Use ECB steel mounting brackets, rear mounting brackets and four (4) M10 x 100 bolts, flat washers and nyloc nuts (per side) (supplied).
- Centralise ECB steel mounting brackets to front of vehicle and measure inside of alloy protection bar to set ECB steel mounting bracket in correct position.
- Align and **tighten bolts**.



NBMA34SY

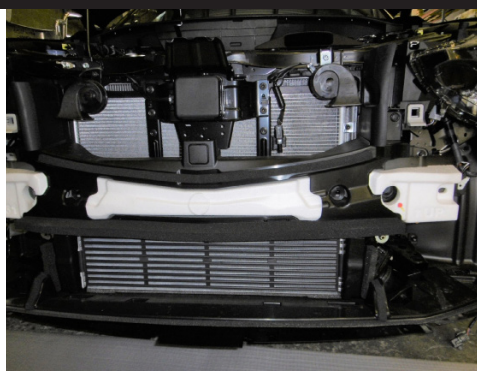
Stage 7

- Mark and cut foam pad to fit around mounts on bumper reinforcement.
(Secure with zip-tie if required)



Stage 8

- Mark and cut air dam to fit around steel mounts.
- Refit to vehicle.



Stage 9

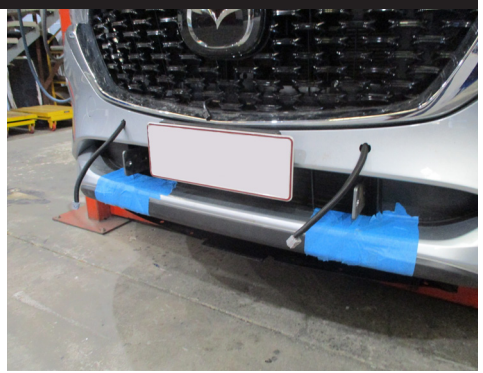
- Remove inner sensors and camera from the bumper and install into the nudge bar. Do not fit camera cover at this time.
- Extend the sensor wiring with 300mm wire extensions and solder joiners (supplied).



Mazda CX5 02-18 on

Stage 10

- Refit bumper onto vehicle in the reverse steps of stage 2 to 5.
- Feed wiring for sensors and camera through bumper to allow fitment to Protection bar.



Stage 11

- Fit protection bar onto vehicle using two M10 x 40 bolts, flat washers, spring washers and nuts (supplied) (per side).
- Connect sensors and camera
- Align protection bar with vehicle and **tighten all bolts.**



Stage 12

- Test parking sensors for correct operation. Should parking sensors not work correctly, adjustment to protection bar will be required.
- Check camera for correct operation. Adjust if required. Attach camera cover to bottom of mount using 8-18 x 12 self drilling screws (supplied)



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.

Fitting Kit

1 - Pair front steel mounting bracket	4 - M10 x 1.5 nuts
4 - Inner mounting brackets	8 - M10 X 1.5 nyloc nuts
1 - Camera Cover	2 - 8-18 x 12 self drilling screws
8 - M10 x 1.5 x 100mm bolts	8 - 300mm lengths single core wire
4 - M10 x 1.5 x 40mm bolts	16 - Solder joiners
24 - M10 flat washers	3 - 250mm lengths small convoluted tubing
4 - M10 spring washers	

Finished Product



This page has intentionally been left blank

Warranty Registration

Contact Details

Name: _____

Address: _____

Product: NBMA34SY

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



PN: NBMA34SY
Please post to PO Box 122
Margate QLD 4019

Notes

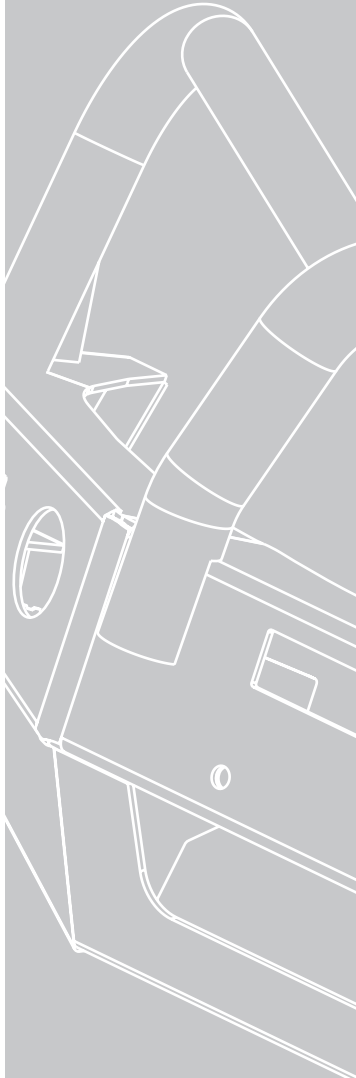


Full Name

Date

REPLACES: 00.00.00

REVISED: 16.12.22



1800 069 145
www.ecb.com.au

Strongest Built Australian Made Lifetime Warranty

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