



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

**PN: 8MA61SY,
NB6MA61SY,
NBMA61SY**



Fitting Guide & Owners Manual

Mazda CX3

7/18on Akari & Akari Le

TYPE 8, 63mm SERIES 2 NUDGE BAR & 76mm NUDGE BAR
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES



**SUPERCARS
CHAMPIONSHIP**

**virgin australia
OFFICIAL BULLBAR
OF SUPERCARS**

Index

Pages 3-5

ECB's Benefits

Product Care

Pages 6-7

Stage 1 - Vehicle preparation

Stage 2 - Camera viewing distance

Stage 3 - Top of bumper

Stage 4 - Bumper underside

Stage 5 - Flare and guard connections

Stage 6 - Disconnect lights

Pages 8-9

Stage 7 - Remove bumper

Stage 8 - Air dams and impact members

Stage 9 - Lower air dams

Stage 10 - Steel mounting bracket installation

Stage 11 - Steel mounting bracket alignment

Stage 12 - Trim and refit air dame

Pages 10-11

Stages 13 to 14 - Camera remove and refit

Stage 15 - Parking sensor remove and refitment

Stage 16 - Wiring extensions

Stage 17 - Refit bumper

Stage 18 - Install protection bar

Pages 12-13

Stage 19 - Camera adjustment and cover

Stage 20 - Sensor connection

Stage 21 - Connect, Check and test

Final Checks & Installation Kit

Pages 12-13

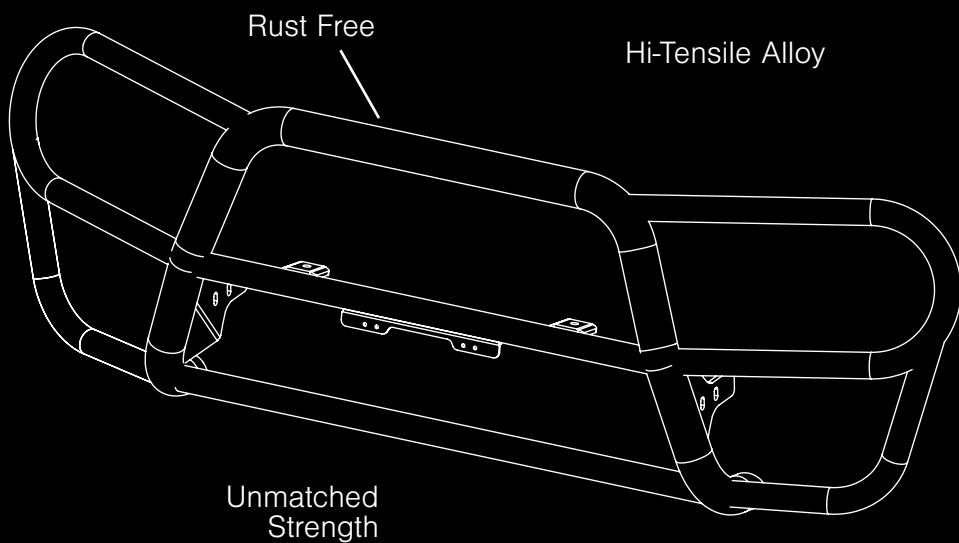
Finished Product

Warranty Registration

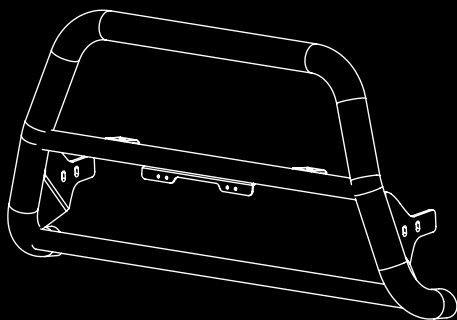
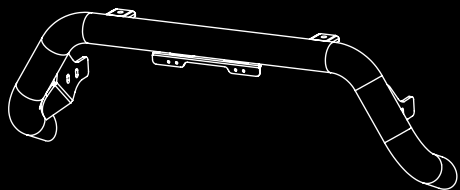
Pages 14-15

Notes

The Features of ECB



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.



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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

- Check and measure camera viewing distances.



Stage 3

- Remove five (5) plastic push pull clips, two (2) 10mm head bolts and two (2) Phillips head screws from the top of the bumper between the headlights.

NOTE: One plastic push pull clip is hiding under the air intake.



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Stage 4

- From the underside of the bumper remove eight (8) 8mm head screws and two (2) plastic push pull clips.
- Pull down on the underbelly guard and remove two (2) 8mm head bolts and two push pull plastic clips from rear of bumper.



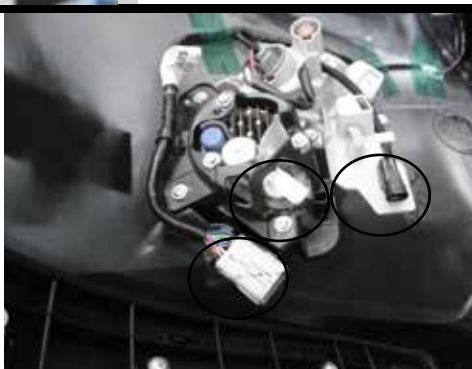
Stage 5

- Remove two (2) plastic push pull clips from the front of wheel arch, pull out on the bottom of the flare to un-clip the flare from the bumper.
- From behind flare, remove two (2) push pull plastic clips holding inner guard to bumper and one (1) 10mm head bolt from bumper to guard.



Stage 6

- Disconnect fog lights, indicator lights and parking sensors from rear of bumper.



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Stage 7

- Carefully pull bumper out to unclip bumper from side of guard and forward to unclip from under headlights. Remove bumper.



Stage 8

- From bumper reinforcement, remove plastic cover over foam impact member, four (4) push pull plastic clips.
- Remove foam impact member, two (2) push pull plastic clips.



Stage 9

- Disconnect lower air ducting and remove, two (2) push pull plastic clips (per side).



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Stage 10

- Install outer mounting bracket from rear between radiator support and chassis rail, flat plate to inside using two (2) M10 x 1.5 x 70mm bolts, flat washers and nyloc nuts (supplied) (per side).
- Fit ECB steel mounting bracket (supplied) onto front of bumper support and fit flat washer, spring washer and nut (supplied) to outer mounting bracket.
- Install inner mount from rear of bumper support to match outer mounting bracket using two (2) M10 x 1.5 x 85mm bolts, flat washers and nyloc nuts. (supplied)(per side). Repeat for opposite side of vehicle.



Stage 11

- Align mounts to centre of vehicle. Use inner measurement of alloy mount on Protection bar as outer measurement on ECB steel mounting brackets on vehicle for Series 2 and Type 8 Bars. For 76mm Nudge Bar, use outer measurement on alloy mount to inner measurement on ECB steel mounting brackets.

- **TIGHTEN ALL BOLTS.**



Stage 12

- Mark and trim foam impact member and air ducting to fit around steel mounting brackets and refit to vehicle.



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Stage 13

- Disconnect and remove the Camera from the rear of the grille. Two (2) small phillips screws.
- Note: Camera can be disconnected at the rear when removed from the grille. Care must be taken to not damage the connector or housing.



Stage 14

- Install camera onto the front of the protection bar mounting bracket.



Stage 15

- Remove only required parking sensors from bumper. Two center for 76mm Nudge Bar and Series 2, all for Type 8 including outer housings.
- Locate parking sensors into Protection Bar using zip ties supplied for centre mounts.
- For Type 8 use original equipment push in outer sections for side parking sensors and clip parking sensor in from rear (as in original bumper).



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Stage 16

- Using ECB 300mm long wire extensions and solder joiners (supplied) carefully extend the sensor wires of moved parking sensors. For outer sensors, place wiring through bumper before re-joining wiring to sensors.
- Extend camera wiring using four (4) 250mm single core wires and solder joiners (supplied).
- Carefully fit all extended wiring into 10mm convoluted tubing (supplied)



Stage 17

- Re-fit the bumper in the reverse order of step 2 to 6.



Stage 18

- Fit the protection bar onto the steel mounting brackets and fasten using M10 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied).
- Align the bar with the vehicle.
- **Tighten all bolts.**



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Stage 19

- Connect camera wiring and attach to grille to remove any vibration.
- Check camera to ensure distances are same as before from front of protection bar.
- Install camera cover to front of camera and attach using two (2) small self drilling screws (supplied).



Stage 20

- Connect the sensor plugs and cable tie to the sensor mount (Do not over tighten the cable tie).
- Install the convoluted tubing to the wiring and attach to the vehicle in such a way as to hide the wiring as much as possible.

NOTE: Ensure center parking sensors are not overtight in the holes. This will cause the sensors to give false readings.



Stage 21

- Ensure cameras and all electrics are connected.
- Test drive vehicle to ensure all driver aids are working correctly.

Final Checks & Installation Kit

Ensure Number Plate is Clearly Visable

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	4 - M10 x 1.5 nuts
2 - Inner mounting brackets	8 - M10 x 1.5 nyloc nuts
2 - Outer mounting brackets	2 - 8 - 18 x 12 self drilling screws
1 - Camera cover	8 - 300mm lengths single core wire
4 - M10 x 1.5 x 85mm bolts	4 - 250mm lengths single core wire
4 - M10 x 1.5 x 70mm bolts	24 - Soldier joiners
4 - M10 x 1.5 x 40mm bolts	5 - 300mm lengths 10mm convoluted tubing
24 - M10 flat washers	10 - 200mm zip ties
4 - M10 spring 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.

Please Post to

PO Box 122 Margate Qld 4019

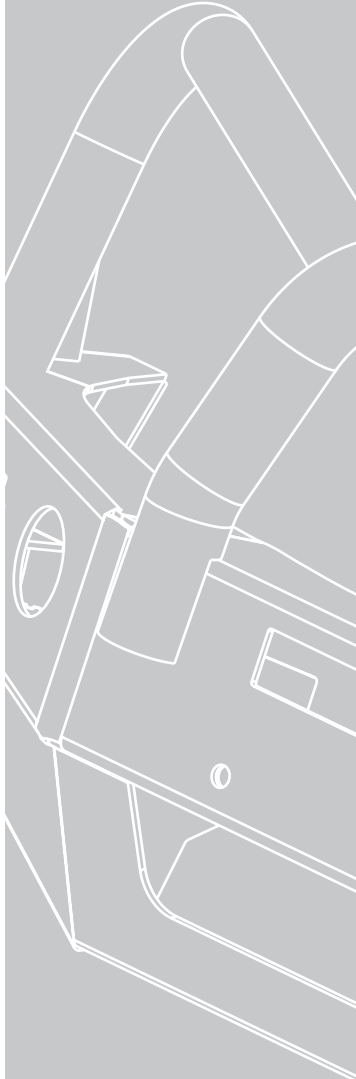
Or Register Online

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.



By submitting this registration you automatically subscribe to ECB's mail outs. You can unsubscribe at any time.

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