



**WORLD'S BEST  
ALLOY BULLBARS**

**Strongest Built  
Australian Made  
Lifetime Warranty**

**PN:EAIZ78SY**



# **Fitting Guide & Owners Manual**

## **ISUZU D-MAX X-TERRAIN**

**06/20 on**

Big Tube Bar with Bumper Lights  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES



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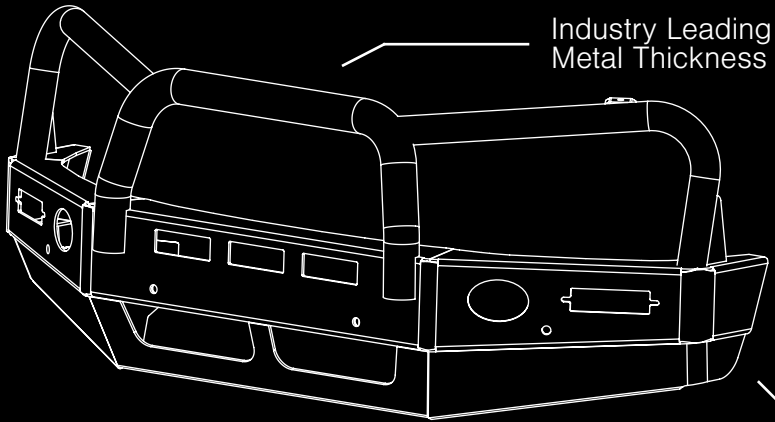
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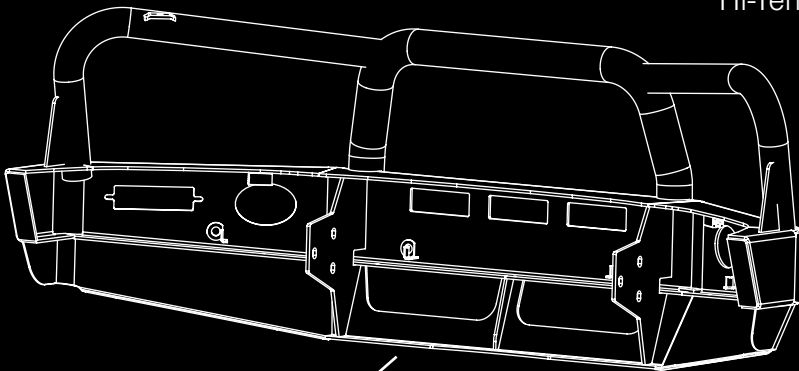
# The Features of ECB

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Industry Leading  
Metal Thickness

6mm Thick  
Hi-Tensile Alloy



Unmatched  
Strength

Fully Welded  
Construction

# ECB's Benefits

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## **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 utilize decades 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

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## 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. Within our decades of manufacturing polished alloy products we have trialed 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 ten (10) push/pull clips from top radiator trim and remove.



## Stage 3

- Remove three (3) push/pull clips top of grille.
- Remove one (1) phillips head screw from center of grille.
- Lift up to unclip and remove top of grille.



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## Stage 4

- Remove four (4) push/pull clips from top of bumper grille between headlights.



## Stage 5

- Remove one (1) push/pull clip from rear wing (per/side).



## Stage 6

- Remove one (1) 10mm head nut and two (2) push/pull clips from under side of bumper (per/side).



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## Stage 7

- Unplug light wiring from passenger side.
- Pull bumper out on rear wing to unclip from guard retainer.
- Pull bumper forward to unclip from light.
- Remove bumper from vehicle.



## Stage 8

- Remove two (2) 14mm head bolts from rear of steel underbody guard.
- Loosen only three (3) front 14mm head bolts from guard.
- Slide underbelly guard forward to remove.



## Stage 9

- Remove two (2) 14mm head bolts from end of chassis rail (per/side) and remove bumper reinforcement.
- Remove four bumper stiffener brackets. Six (6) 10mm head bolts.





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## Stage 10

- Remove air dam and trim to fit around steel mount.
- Refit air dam using original equipment fixings.



## Stage 11

- Enlarge inside hole in chassis rail to fit tube spacer.

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



## Stage 12

- Fit steel mounting bracket (supplied) onto chassis rail using original bolts in front plate of chassis.
- Fit 40 x 40 washer plate, M10 x 100mm bolt, flat washers, tube spacer, spring washer and nut (supplied) in side hole of chassis rail (per/side).
- Align and centralise mount, and tighten all bolts.



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## Stage 13

- Remove wiring harness and lights from bumper.
- Using paper masking tape, mask area to be cut to avoid damage.
- As printers vary, check measure template to ensure correct sizing.
- From this instruction, using sharp scissors, carefully cut out template.
- Mark and neatly cut bumper using jigsaw, hack saw or similar.
- Cut neatly grille under the third row.

CAUTION: Double check all marked lines before trimming.



## Stage 14

- Relocate wiring harness onto bottom of bumper with cable ties (supplied).
- Refit bumper in the reverse step of 2 - 7.
- Trim bumper cut with 3mm clip lock (supplied).



## Stage 15

- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.
- Splice ECB bumper light wiring harness into wiring harness zip tie to bottom of bumper.



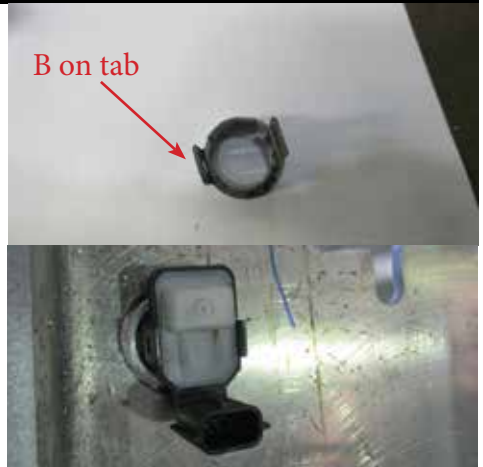
Pin	Colour	Use
3	Black	Ground
4	LT Green	DRL
5	Purple	Park

Pin	Colour	Use
1	Blue	Indicator
2	Black	Ground

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## Stage 16

- Disconnect parking sensors and remove from bumper along with harness and sensor housing. Note locations and directions of sensors.
- To remove housing press in four retaining clips on sides.
- Refit housings with “B” on tab facing down, fit sensors to protection bar.
- Secure harness to protection bar with zip ties (Supplied)
- Ensure sensors and housings are placed into protection bar in same direction as being in bumper.



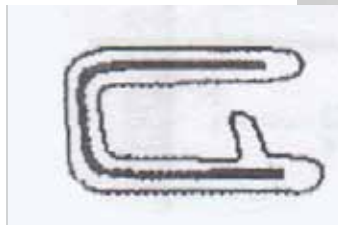
## Stage 17

- 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.



## Stage 18

- 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.



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## Stage 19

- Fit protection bar to steel mounting bracket with four (4) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied) (per/side).
- Connect indicator lights and check for correct operation. Secure wiring and ensure harness is clear of sharp edges and moving parts.



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## Stage 20

- Fit center under body guard with three (3) M6 x 25 bolts, flat washers and nyloc nuts (supplied) in front holes.
- Fit three (3) M10 x 1.25 x 40mm bolts, spring washers, flat washers (supplied) in rear hole slots. (Loose only at this stage).



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## Stage 21

- Refit original equipment underbelly guard to the rear holes in under body guard using original bolts.
- Tighten all bolts.



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## Stage 22

- Fit side under body guards using three (3) M6 x 25 bolts, flat washers and nyloc nuts (supplied).
- Guard goes on upper side of channel lower leg.
- Access front bolts through bumper light hole.



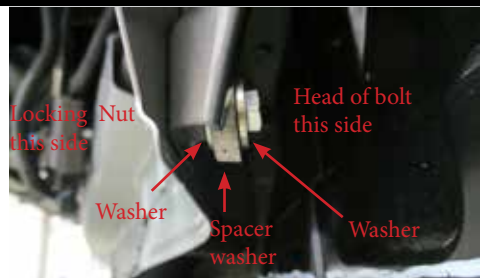
## Stage 23

- Attach ECB bumper 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 centralise light to hole. TIGHTEN FIRM ONLY.
- Install bumper light surrounds (supplied) to light openings. Large side of surround to inside of opening.
- Connect bumper lights and check for correct operation. Secure wiring and ensure harness is clear of sharp edges and moving parts.



## Stage 24

- Mark and trim guard liner.
- Tuck liner behind end cap
- Fix liner to body with M6 x 35 bolt, spacer washer, flat washers and locknut (supplied). Do not overtighten as it will pull through the liner.
- Use lower cage nut with head of M6 bolt on liner side.



# 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 - Steel mounting bracket	2 - M6 x 30mm bolts
1 - Center underbelly guard	9 - M6 x 25mm bolts
2 - Side underbelly guards	2 - M6 x 20mm bolts
2 - 10 Nb spacer tube 53mm long	22 - M6 flat washers
2 - 40 x 40 steel washer plates	2 - M6 spring washer
2 - 26 x 8mm Alloy spacer washers	19 - M6 nyloc nuts
8 - M12 x 1.75 x 40mm bolts	4 - M6 nuts
16 - M12 flat washers	1 - LED Indicator / DRK / Park light kit
8 - M12 spring washers	10 - Cable locks
8 - M12 x 1.75 nuts	1 - Bumper light kit
2 - M10 x 1.5 x 100mm bolts	2 - Bumper light surrounds
3 - M10 x 1.25 x40mm bolts	10 - 300mm long cable tie
7 - M10 flat washers	1 - 2500mm length 6mm clip lock
5 - M10 spring washers	2 - 300mm length 3mm clip lock
2 - M10 x 1.5 nuts	

# Finished Product

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# Warranty Registration

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## Contact Details

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Product: **EAIZ78SY** \_\_\_\_\_

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.

## Register Online

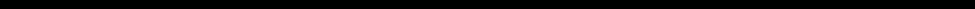
For online registration please go online to [www.ecb.com.au/warranty-registration](http://www.ecb.com.au/warranty-registration)  
If you have any questions please contact our national office on 1800 069 145 or  
[www.ecb.com.au](http://www.ecb.com.au).



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

# Notes

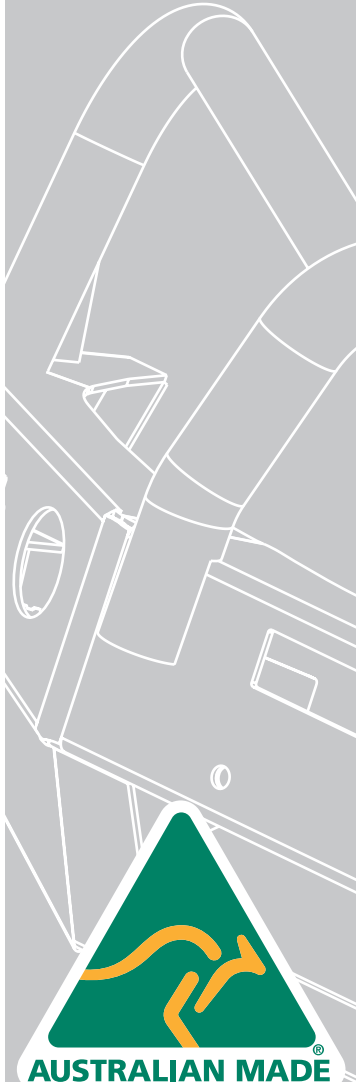


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\_\_\_\_\_ Full Name

\_\_\_\_\_ Date

REPLACES: N/A  
REVISED: 08.06.21



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# **Strongest Built Australian Made Lifetime Warranty**

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