



PN: NBIZ80SY



Fitting Guide & Owners Manual

ISUZU MUX

1- 21 ON

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

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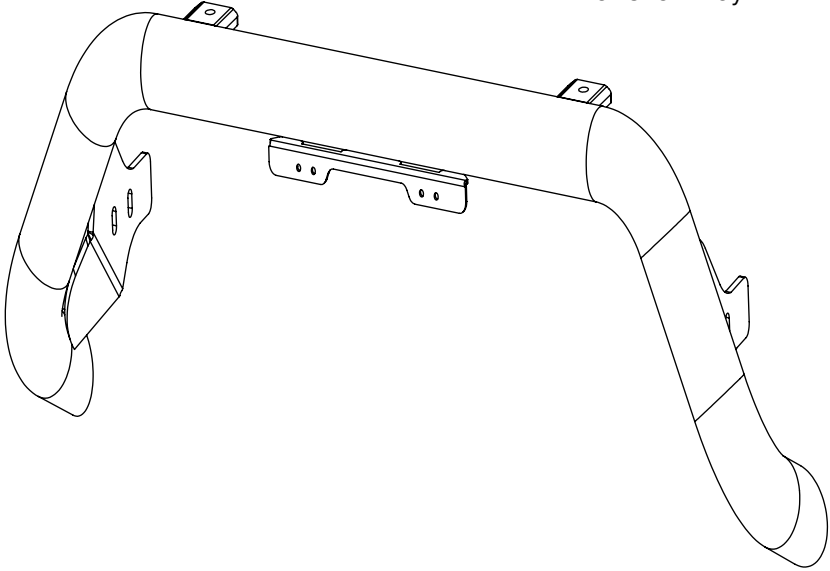
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Notes

The Features of ECB

Rust Free

Hi-Tensile Alloy



Industry Leading
Metal Thickness

Unmatched
Strength

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 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

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.**

Powder Coated Products

Our powder coated finishes are very low maintenance. In fact 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.



Nudge Bar

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 / operator.



Stage 2

- Remove number plate from vehicle (if fitted).
- Remove ten (10) clips from top plastic trim and remove.



Stage 3

- Remove four (4) clips from top of bumper between headlights, one (1) clip from guard to bumper join (per/ side), four (4) clips from under side of bumper, one (1) 10mm head nut from guard liner to bumper (per/side).
- Disconnect fog lights and sensors from passenger side.
- Gently pull sides of bumper away from vehicle to release bumper side clips and remove bumper.



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Stage 4

- Remove two (2) 12mm head bolts from front of plastic underbody guard.
- Remove (2) two 14mm head bolts from rear of plastic underbody guard.
- Pull down firmly to remove guard.



Stage 5

- Loosen only front three (3) 14mm head bolts on front of under body guard and slide forward to remove.



Stage 6

- Remove two (2) 14mm head bolts from the end of chassis rail (per/side).
- Flatten out tab from rear side of bumper support.



Nudge Bar

Stage 7

- Fit ECB steel mount onto the end of chassis rail and fix with M10 x 100 bolt, two (2) 10mm steel spacer washers, flat washers and nyloc nuts (per/side).
- Finger tighten at this stage.



Stage 8

- Refit bumper reinforcement using original equipment bolts and clips.
- Centralise and align mount to suit measurement of inside of ECB Alloy Bar.
- Tighten all bolts.



Stage 9

- Using steel mount measurement as a guide, mark and trim bumper to fit around steel mount.



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Stage 10

- Remove sensors and sensor housings from bumper.

Note: Sensor housings angle the sensor. Ensure sensor housings go into product with sensor faces angled upward. Bottom of sensor housings have a B marked on bottom tag. Relocate to protection bar.

Fit sensors into sensor housing. Sensors to be mirror image as per fitment in grille.



Stage 11

- Extend sensor wiring by unclipping harness from rear of grille
- Feed harness through original sensor hole,
- Make hole slightly larger using round file or pencil grinder.



Stage 12

- Refit bumper using original equipment bolts and clips.
- Connect fog lights and sensors. Remove lower black plastic trim from outer sides of bumper, 10mm nuts and clips.
- Install number plate cover to number plate holes in bumper cover using M6 x 25 black screws.



Black plastic lower bumper trim removed

Nudge Bar

Stage 13

- Install Protection Bar onto steel mount using M10 x 40 bolts, flat washers, spring washers and nuts in rear hole (per/side). For front hole, use M10 x 40 bolt, spring washers, flat washer and nut and washer on 150mm wire (per/side).
- Align Protection Bar so Product is at minimum vertical to front of vehicle or slightly leaning rearward at top and tighten all bolts.
- Connect sensors.



Stage 14

- Mark and trim lower flap to fit around protection bar (per/side).
- Refit flap with original equipment (per/side).



Stage 15

- Refit under body guard using original equipment bolts and clips.
- Refit plastic to under body guard using original equipment bolts and clips.



Stage 16

- Check all electrical equipment for correct operation.
 - Install number plate onto lower cross brace with number plate level with bottom of cross brace using two self drilling screws.
-

Final Checks

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

Installation Kit

1 - Pair steel mounting brackets	4 - M10 Spring washer
1 - Number plate cover	2 - M10 x 1.5 Nyloc nut
4 - 35 x 10 x 10 Round steel washer	2 - M10 x 1.5 Nut and washer on wire 150mm long
2 - M10 x 1.5 x 100 Bolt	2 - M10 x 1.5 Nut
4 - M10 x 1.5 x 40 Bolt	2 - M6 x 25 Black screws
10 - M10 Flat washers	2 - 8-18 x 12 Self drilling screws

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.

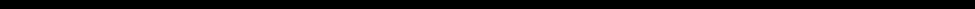
Register Online

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.



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Please post to PO Box 122,
Margate QLD 4019

Notes

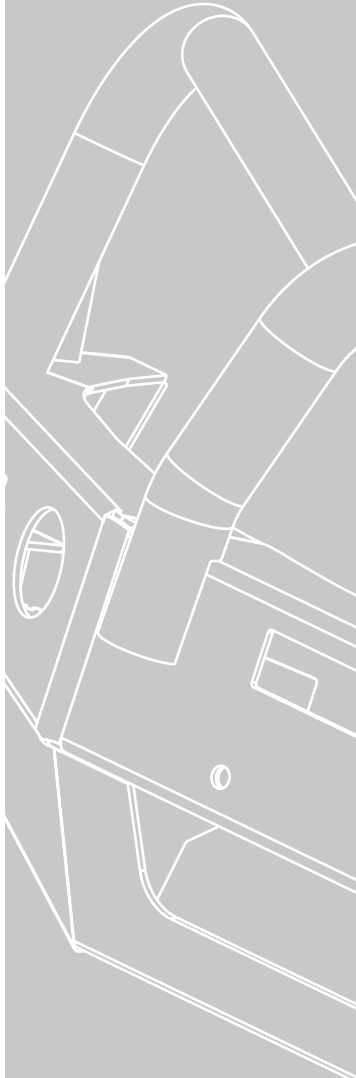


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_____ Full Name

_____ Date

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1800 069 145
www.ecb.com.au

Strongest Built Australian Made Lifetime Warranty

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