



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:EAT232SY



Fitting Guide & Owners Manual

**TOYOTA FORTUNER
06/19on**

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



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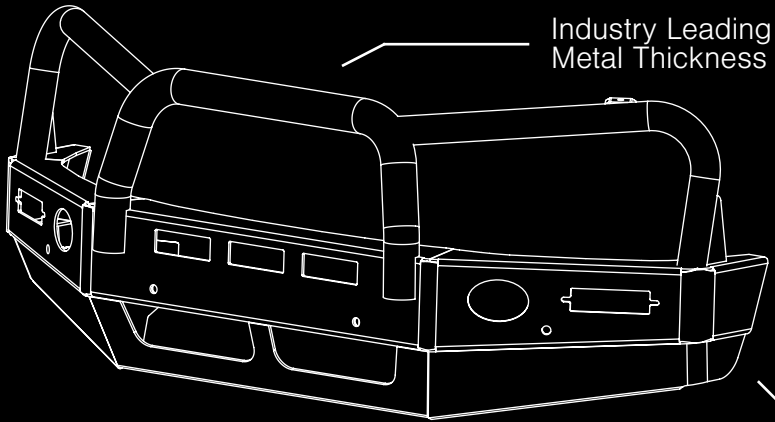
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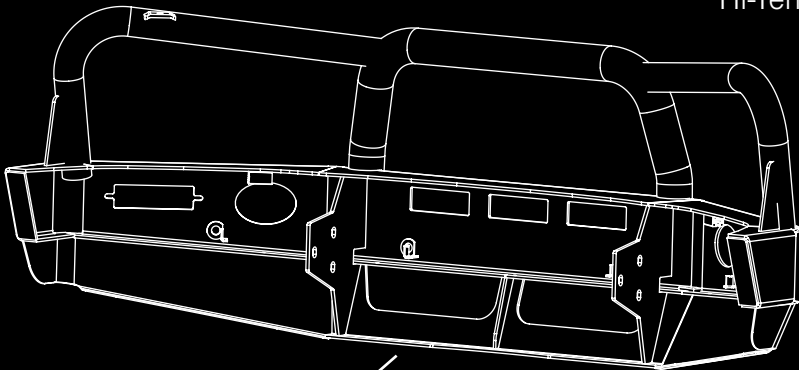
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The Features of ECB



Industry Leading
Metal Thickness

6mm Thick
Hi-Tensile Alloy



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.

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 eight (8) plastic push pull clips from top panel between headlights and remove panel.



Stage 3

- Remove chrome infills front of grille, gently pull forward to release clips.
- From top of grille, remove four (4) 10mm head bolts.
- Grille remains on bumper during bumper removal. The edge of the grille may need to be pulled forward to get to the bolts on the top of the bumper.



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Stage 4

- From bumper behind lower grille, remove two (2) plastic push pull clips.
- Remove two (2) 10mm head screws from behind infill strip.
- Disconnect sonar behind badge.



Stage 5

- Remove nine (9) 10mm head bolts from underside of bumper, one (1) plastic push pull clip and one (1) 10mm head bolt from each wheel arch.
- Pull side of bumper outwards to unclip from guard.
- Disconnect fog lights and parking sensors if required, slide bumper forward and remove from vehicle.



Stage 6

- Remove plastic bumper stiffener, three (3) 10mm head bolts
- Remove left and right hand air ducts.



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Stage 7

- Remove plastic support from front of bumper reinforcement by pulling it forward from vehicle to release christmas tree clips.



Stage 8

- Remove two (2) 14mm head bolts from bumper reinforcement (per side) and remove reinforcement.



Stage 9

- Remove lower plastic from under radiator, two (2) 10mm head bolts and five (5) push pull clips.



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Stage 10

- Fit ECB steel mounting bracket (supplied) onto end of chassis rail and fix with two (2) original bolts and two (2) M10 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied) into front of rail (finger tight).
- From inside of chassis rail, install two (2) M10 x 1.5 x 100mm bolts, flat washers, washer plate and spacer tubes (supplied) through chassis rail and ECB steel mount. On outside of these bolts fit ECB Steel tow hook, flat washer, spring washers and nuts (supplied).
- In rear hole of ECB steel tow hook, install 6mm alloy washer between tow hook and chassis rail, fit using one (1) M12 x 1.25 x 40mm bolt, spring washer and flat washer (per side) (supplied). Centralize mount to vehicle body.
- Align and tighten all bolts.



Stage 11

- Mark and trim top air dams to fit around steel mounts.
- Refit air dams.



Stage 12

- Refit plastic bumper stiffener to vehicle.



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Stage 13

- Remove sensors from bumper push from rear to front and pull through bumper.



Stage 14

- Remove outer housing by gently releasing clips.
- Place parking sensor housing into protection bar.
- From rear push sensor into housing.



Stage 15

- Check ECB template for correct sizing. Cut ECB template from this instruction using a sharp pair of scissors. Place template on vehicle to establish cut area.
- Mask cut area to avoid damage to surface of bumper.
- Using ECB bumper template mark out cut line, check cut line again and then cut bumper with jigsaw or similar tool.
- Trim cut line with 3mm clip lock supplied.



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Stage 16

- Remove bumper side locator and trim using the cut bumper as a guideline before refitting (Each side).
- Refit bumper.



Stage 17

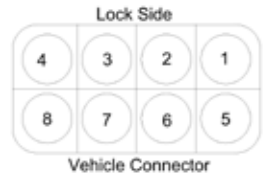
- Fit ECB LED indicator / DRL / Park lights into protection bar as per instructions supplied with the LED indicator kit.
- NOTE: Ensure park light is to top.



Stage 18

- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied).

Pin	Colour	Use
1	White/ Black	Earth
8	White	DRL



- Positive of indicator and parking light are both sourced from the appropriate two pin plug.
- Ensure harness is clear of sharp edges and moving parts.
- Splice resistor across wiring from indicator positive to earth. Place this connection close to the indicator light. CAUTION: Resistor gets very hot. DO NOT attach to wiring as it will damage wiring and possibly cause fire. It is recommended to solder the wires and cover with a suitable shrink wrapping or brush on tape.
- Screw resistor to plate on rear of lower channel leg.
- Earth on parking light and indicator is White/ Black.

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Stage 19

- 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.



Stage 20

- Install ECB protection bar onto steel mount using three (3) M12 x 1.25 x 40mm bolts, flat washers, spring washers and nuts (per side) (supplied).
- Align protection bar to front of vehicle and tighten all bolts.



Stage 21

- Using ECB back stop supplied (TO AVOID DAMAGE TO RADIATORS) drill outer holes in stone tray to 8mm.



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Stage 22

- Install ECB centre under body guard using three (3) M6 x 20 mm philips head bolts, flat washers and nyloc nuts (supplied) in front holes. Use M6 x 25mm bolts, flat washers and nyloc nuts (supplied) in rear holes.
- Fit air vents (supplied).



Stage 23

- Install ECB side under body guards using two (2) M6 x 20mm philips head bolts, flat washers and nyloc nuts (supplied) in front holes. Use M6 x 25mm bolts, flat washers and nyloc nuts (supplied) in rear hole. (per side)



Stage 24

- Mark and trim liner to align with the under body guard. Fix liner to under body guard with self drilling screws. (Pilot hole is recommended)



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Stage 25

- 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 centralize light to hole. **TIGHTEN FIRM ONLY.**
- Install fog light surrounds (supplied) to fog light openings. Large side of surround to inside of opening.



Stage 26

- Test all lights and safety features are correctly functioning.

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 travelling on rough roads.

Installation Kit

1 - ECB Steel mounting bracket	5 - M6 x 25mm Bolts
2 - Washer plates	9 - M6 x 20mm Bolts
2 - Tow hooks	24 - M6 Flat washers
1 - Centre underbody guard	2 - M6 Spring washers
1 - Pair side underbelly guards	12 - M6 Nyloc nuts
4 - 10NB steel tubes 53mm long	2 - M6 Nuts
2 - Alloy 40 x 6 x 13mm hole washers	6 - 8 - 10 x 25 self-drilling screws
1 - ECB back stop plate 150mm x 80mm	1 - ECB Indicator/park/DRL kit (ICLED105)
8 - M12 x 1.25 x 40mm bolts	12 - Cable locks
14 - M12 Flat washers	1 - ECB Bumper light kit
8 - M12 Spring washers	2 - Bumper light surrounds
6 - M12 x 1.25 Nuts	1 - 2700mm length 6mm clip lock
4 - M10 x 1.5 x 100mm Bolts	2 - 1200mm lengths 3mm clip lock
4 - M10 x 1.5 x 40mm Bolts	7 - 6mm Air vents
16 - M10 Flat washers	3 - 3mm air vents
8 - M10 Spring washers	1 - Pair Resistors
8 - M10 x 1.5 Nuts	

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **EAT232SY** _____

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

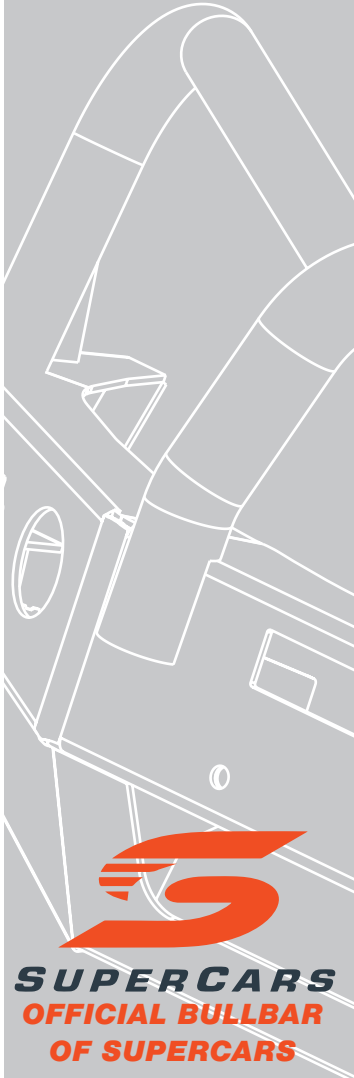
For online registration please go online to www.ecb.com.au/warranty-registration
If you have any questions please contact our national office on 1800 069 145 or
www.ecb.com.au.



PN: EAT232SY

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

REPLACES: N/A
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Strongest Built Australian Made Lifetime Warranty

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