



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:EAT223SY



Fitting Guide & Owners Manual

**TOYOTA HILUX
SR/SR5 09/20 ON**

BIG TUBE BAR WITH BUMPER LIGHTS
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 Testing and Preparation
Stage 2 - Radiator Trim
Stage 3 - Release Grille
Stage 4 to 6 - Remove Bumper

Pages 8-9

Stage 7 - Bumper Infill/ Support
Stage 8 - Wire Lights
Stage 9 - Trim Air Dams
Stage 10 - Install Mount
Stage 11 - Bumper Trim
Stage 12 - Grille Cut

Pages 10-11

Stage 13 - Guard Retainer Trim
Stage 14 - Refit Bumper
Stage 15 - Bumper sensor and light wiring
Stage 16 - Indicator Light Installation
Stage 17 - Clip Lock Trim
Stage 18 - Fit Protection Bar

Pages 12-13

Stage 19 - Bumper light Installation
Stage 20 - Connect and check lights
Stage 21 - Underbelly Guard fitment
Stage 22 - Drill Centre Underbelly
Stage 23 - Centre underbelly Fitment
Stage 24 - Road test vehicle

Pages 14-15

Final Checks
Installation Kit

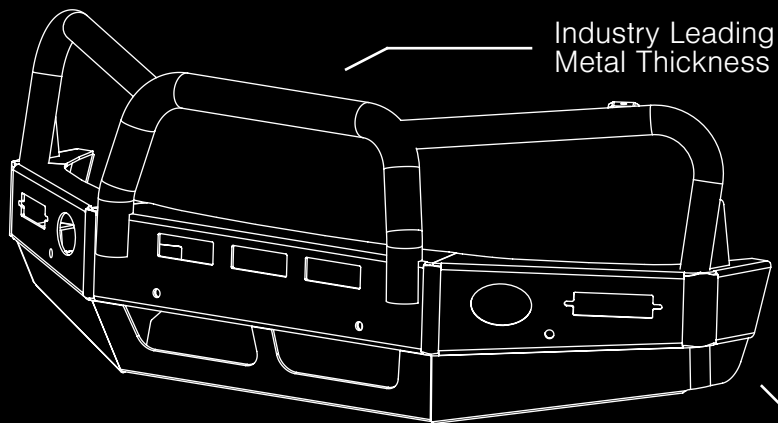
Pages 16-17

Finished product
Warranty Registration

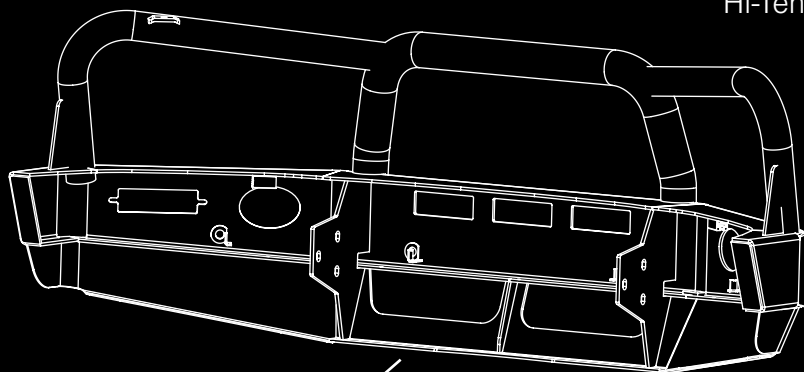
Pages 18-19

Notes

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 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.
- If vehicle does not have bumper lights standard these will need to be wired as an auxiliary light during installation. ECB can supply a harness add 1 x ASLWIRING kit to order.
- Ensure these instructions are left with the vehicle owner and/or operator.



Stage 2

- Remove eight (8) push/pull clips from top radiator trim.
- Remove trim.
- Disconnect sonar unit behind badge in grille.



Stage 3

- Remove four (4) 10mm head bolts from top of grille.

Note: Grille clips on bottom of bumper are difficult to get to. By releasing side of grille, you can get to bolts in top of bumper, then remove grille with bumper.

- Unplug sonar unit from back of badge.
- Pull forward on sides of grille to release clips at headlight level.



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Stage 4

- In front of wheel opening, remove one (1) small push pull clip and one (1) screw clip from rear of bumper skin.



Stage 5

- From underside of bumper, remove three (3) 10mm head screws into guard liner (per side).
- In center of bumper, remove three (3) 10mm head bolts from bumper to underbelly guards.
- Unclip bumper from inner guards and pull sides of bumper away from vehicle to unclip from guards.
- Disconnect Bumper lights and sensors (if fitted)



Stage 6

- From behind grille, remove three (3) 10mm head bolts.
- Pull bumper forward from under headlights to remove.



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Stage 7

- With a firm tug, remove plastic from front of bumper support
- Remove bumper support, four (4) 14mm head bolts.



Stage 8

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

Stage 9

- Mark and cut air dams to fit around steel mount.



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Stage 10

- Fit ECB mount (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 tighten only).
- From outside of chassis rail, install two (2) M10 x 1.5 x 100mm bolts, flat washers into tow hook and steel mount through chassis rail. Slide spacer tubes and washer plate over bolts and attach with flat washers, spring washers and nuts.
- In rear hole of ECB steel tow hook, install 6mm steel washer between tow hook and chassis rail, fix using one (1) M12 x 1.5 x 40mm bolt, spring washer and flat washer (supplied)(per side).
- Align and tighten all bolts.



Stage 11

- 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 cut bumper using jigsaw, hack saw or similar.
- Using 3mm clip lock trim cut line.



CAUTION: Double check all marked lines before trimming.

Stage 12

- Mark and cut grille using jigsaw, hack saw or similar.

CAUTION: Double check all marked lines



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Stage 13

- Trim lower section of guard retainer off to allow bumper wing room to fit around trim.



Stage 14

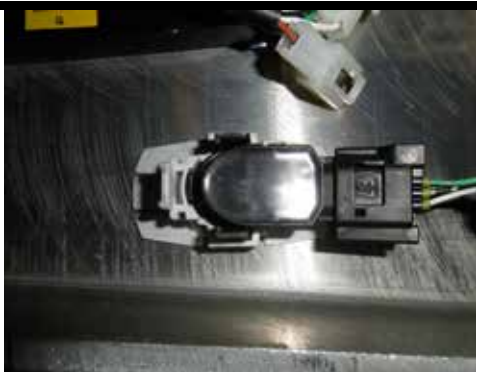
- Refit bumper and grille in the reverse step of 2 - 6.

NOTE: previous model shown.



Stage 15

- Carefully remove bumper sensors and sensor housings from rear of bumper. Clean rear of parking sensor mount to allow correct fitment to rear of protection bar. Ensure silicon ring is attached to front of sensor. Place parking sensor into parking sensor mount.
- Clean rear of protection bar to remove oils and polishes.
- Coat sensor mount with Loctite gel adhesive, place front of parking sensor into bullbar in correct direction and push sensor mount home onto Protection bar.
- Splice ECB fog light wiring harness into fog light harness on vehicle using cable locks supplied. Ensure harness is clear of sharp edges and moving parts.



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Stage 16

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



Stage 17

- 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 18

- Fit protection bar onto steel mount and fix with (3) three M12 x 40 bolts, flat washers, spring washers and nuts per side (supplied).
- Align and tighten all bolts.



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Stage 19

- 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 bumper light openings. Large side of surround to inside of opening.



Stage 20

- Connect lights and sensors and check for correct operation.

Stage 21

- Fit ECB side under body guards using three (3) M6 X 25 bolts, flat washers and nyloc nuts.
- Cut and tuck guard liner behind protection bar end cap.
- Mark and cut guard liner and fix to underbody guard with self drilling screws supplied.



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Stage 22

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



Use Back stop to protect radiators while drilling.

Stage 23

- Fit ECB center under body guard using three (3) M6 x 25 bolts, flat washers and nyloc nuts to protection bar.
- Install two (2) M6 x 20 bolts, flat washers and nyloc nuts to original equipment under belly guard.



Stage 24

- Check correct operation of all lights .
- Road test vehicle to ensure correct operation of all driver assist features of the vehicle.

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

1 - ECB steel mounting bracket	8 - M10 spring washers
2 - ECB steel tow hooks	8 - M10 x 1.5 nuts
2 - Flat washer plates (75mm x 31mm, two	9 - M6 x 25mm bolts
2 - 40 x 13 x 6mm spacer washer	5 - M6 x 20mm bolts
4 - 10Nb steel tubes, 53mm long	24 - M6 flat washers
1 - Center underbody guard	2 - M6 spring washers
1 - Pair side underbody guards	12 - M6 nyloc nuts
1 - ECB Back stop plate	4 - 8-18 to 25 self drilling screws
8 - M12 x 1.25 x 40mm bolts	1 - Tube Loctite gel adhesive
14 - M12 flat washers	1 - ECB Indicator / DRL / Park light kit
8 - M12 spring washers	8 - Cable locks
6 - M12 x 1.25 nuts	1 - ECB Bumper light kit
4 - M10 x 1.5 x 40mm bolts	2 - Bumper light surrounds
4 - M10 x 1.5 x 100mm bolts	1 - 2750mm length 6mm clip lock trim
16 - M10 flat washers	2 - 500mm length 3mm clip lock trim

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **EAT223SY** _____

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.

or

Post To

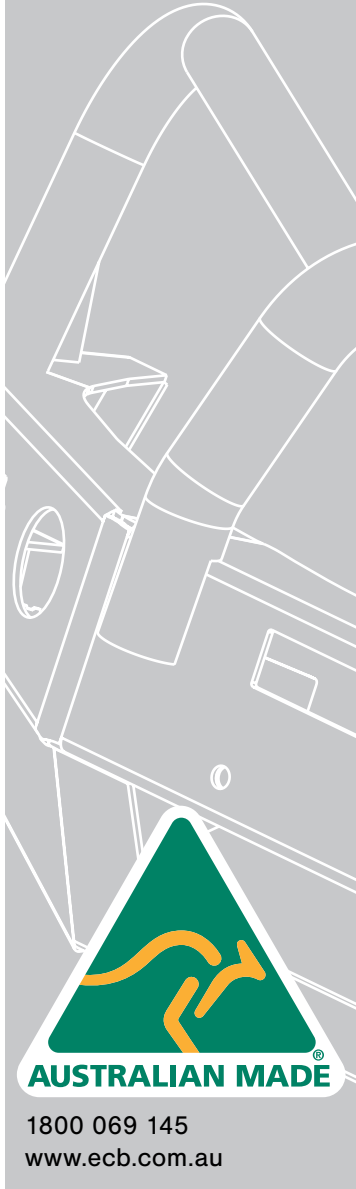
PO Box 122, Margate, QLD 4019



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