



**WORLD'S BEST  
ALLOY BULLBARS**

**Strongest Built  
Australian Made  
Lifetime Warranty**

**PN: EAT224SY**



## **Fitting Guide & Owners Manual**

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

BIG TUBE BAR WINCH COMPATIBLE WITH BUMPER LIGHTS  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES



# Index

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## **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 - Winch installation  
Stage 12 - Bumper Trim

## **Pages 10-11**

Stage 13 - Grille Cut  
Stage 14 - Guard Retainer Trim  
Stage 15 - Refit Bumper  
Stage 16 - Bumper sensor and light wiring  
Stage 17 - Indicator Light Installation  
Stage 18 - Clip Lock Trim  
Stage 19 - Fit Protection Bar

## **Pages 12-13**

Stage 19 - Fit Protection Bar  
Stage 20 - Bumper light Installation  
Stage 21 - Connect and check lights  
Stage 22 - Side Underbelly Guard fitment  
Stage 23 - Drill Centre Underbelly  
Stage 24 - Centre underbelly Fitment  
Stage 25 - Road test vehicle

## **Pages 14-15**

Final Checks  
Installation Kit

## **Pages 16-17**

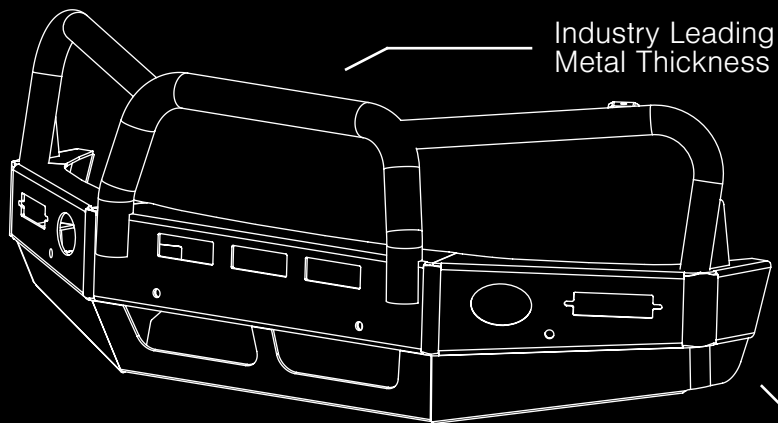
Finished product  
Warranty Registration

## **Pages 18-19**

Notes

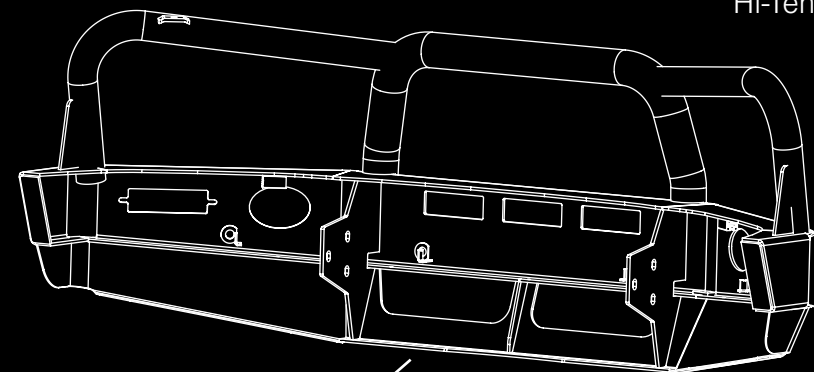
# The Features of ECB

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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 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

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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 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 camera 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 bumper 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 winch cradle (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 onto bolts then fit winch cradle gusset onto bolts with flat washers, spring washers and nuts. Fix cradle gusset to winch cradle using M12 x 1.5 x 40 bolts, flat washers, spring washers and M12 nuts. Centralize cradle to vehicle body.
- 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

- Fit fairlead and winch onto winch cradle as per manufactures instructions.

Note: A control box mount has been included for Warn winches. This mount attaches to the motor end of the winch via two worm drive hose clamps.

## Stage 12

- 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.

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## Stage 13

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

CAUTION: Double check all marked lines



## Stage 14

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



## Stage 15

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



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## Stage 16

- 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.



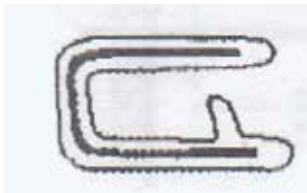
## Stage 17

- 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 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 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 20

- 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 and winch openings. Large side of surround to inside of opening on lights and to rounded side of winch openings.



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## Stage 21

- Connect lights and sensors and check for correct operation.

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## Stage 22

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



## Stage 23

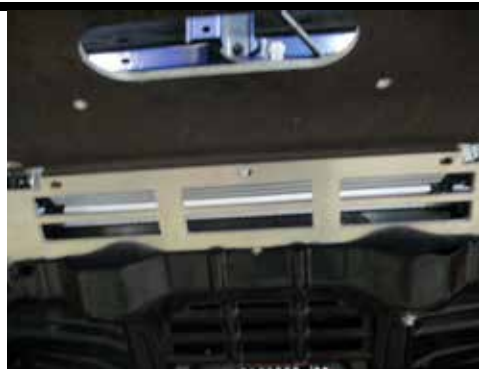
- Using ECB back stop supplied (TO AVOID DAMAGE TO RADIATORS) drill outer holes in stone tray to 8mm.

Use Back stop to protect radiators while drilling.



## Stage 24

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



## Stage 25

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

# Final Checks

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## 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.

# Final Checks & Installation Kit

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## Installation Kit

1 - ECB winch mounting bracket	8 - M10 spring washers
2 - ECB steel tow hooks	8 - M10 x 1.5 nuts
1 - Pair winch cradle gussets	9 - M6 x 25mm bolts
1 - Warn control box bracket	5 - M6 x 20mm bolts
1 - Centre underbelly guard	24 - M6 flat washers
1 - Pair side underbelly guard	2 - M6 spring washers
2 - 40 x 13 x 6mm spacer washer	2 - M6 nuts
4 - 10Nb steel tubes, 53mm long	12 - M6 nyloc nuts
2 - Stainless steel worm drive hose clamps	4 - 8-18 x 25 self tapping screws
1 - ECB Back stop	1 - Tube Loctite gel adhesive
12 - M12 x 1.5 x 40mm bolts	1 - ECB Indicator / DRL / Park light kit
22 - M12 flat washers	8 - Cable locks
12 - M12 spring washers	1 - ECB bumper light kit
10 - M12 x 1.25mm nuts	4 - Bumper light surrounds
4 - M10 x 1.5 x 100mm bolts	1 - 2750mm length 6mm Clip lock trim
4 - M10 x 1.5 x 40mm bolts	1 - 750mm length 6mm clip lock trim
16 - M10 flat washers	2 - 500mm length 3mm clip lock trim

# Finished Product

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# Warranty Registration

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## Contact Details

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

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

Product: **EAT224SY** \_\_\_\_\_

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).

**or**

## Post To

PO Box 122, Margate, QLD 4019



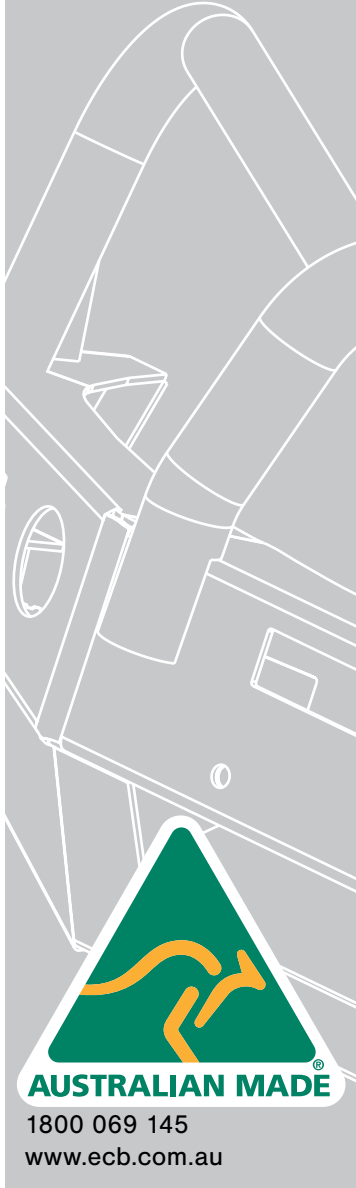
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# **Strongest Built Australian Made Lifetime Warranty**

29 Snook St, Clontarf QLD 4019  
PO Box 122, Margate QLD 4019