



**Lighter  
Stronger  
Better!**

**Strongest Built  
Australian Made  
Lifetime Warranty**

PN: EAT221SY



# **Fitting Guide & Owners Manual**

## **TOYOTA HILUX 4WD**

### **SR5 07/19on**

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



**SUPERCARS**  
**OFFICIAL BULLBAR**  
**OF SUPERCARS**

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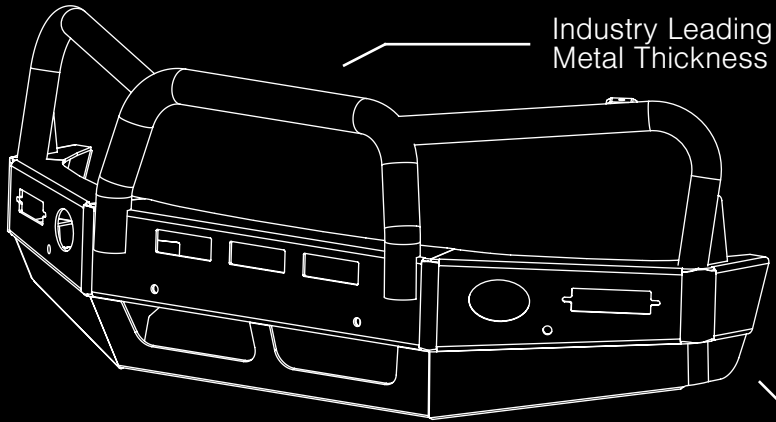
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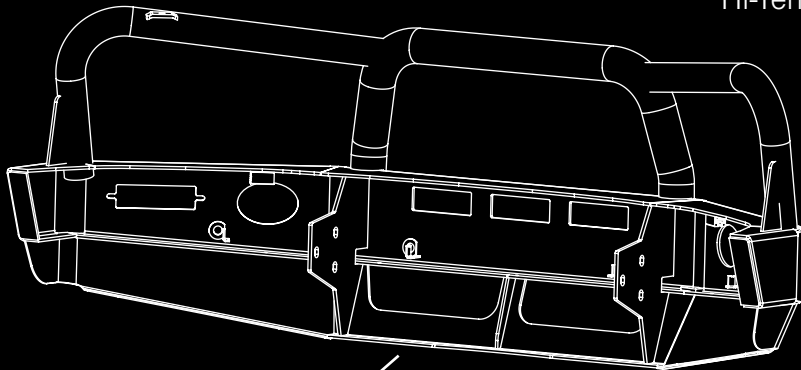
# The Features of ECB

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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 utilise over 46 years 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. With over 40 years 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

- From top of grille, remove four (4) 10mm head bolts.
- Remove three (3) 10mm head bolts from top of bumper behind grille.
- From bumper behind grille, remove two (2) plastic push pull clips.
- Disconnect sonar behind Toyota logo in grille.
- Remove grille.



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## Stage 4

- Remove nine (9) 10mm head bolts from underside of bumper.



## Stage 5

- In front of wheel arch remove two (2) push pull plugs.
- Carefully pull rear of wing out from side of vehicle and forward to remove bumper.
- Disconnect fog lights.



## Stage 6

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



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## Stage 7

- Remove plastic cushioning from front of bumper reinforcement by pulling it forward from vehicle to release christmas tree clips.
- Remove two (2) 14mm head bolts from bumper reinforcement (per side) and remove reinforcement.
- Remove lower plastic from under radiator, two (2) 10mm head bolts and five (5) push pull clips.



## Stage 8

- 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 tighten only**).
- 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 mounting bracket. 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 (supplied)(per side).
- Centralize and align mount to vehicle body.  
**Tighten all bolts.**





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## Stage 9

- Mark and trim air dams to fit around steel mounting bracket.
- Refit to vehicle, using original bolts and clips.



## Stage 10

- Refit plastic bumper stiffener to vehicle.



## Stage 11

- Check ECB template (supplied) for correct sizing.
- Cut ECB template 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 for correct.
- Carefully cut bumper with jigsaw or similar tool.



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## Stage 12

- Remove bumper side locator, two (2) plastic screw clips, one (1) 10mm head bolt and one (1) push pull clip on inner guard (per side).
- Mark and trim locator to line shown in photo.
- Refit bumper locator to vehicle using original bolts and clips.



## Stage 13

- Refit bumper to vehicle and trim cut line with 3mm clip lock (supplied).



## Stage 14

- Disconnect indicator and parking lights on vehicle. Install ECB quick click wiring harnesses (supplied) between disconnected harness and indicator / park lights on vehicle.
- Run wiring out from under lights ensuring clearance from sharp edges and moving parts.
- Connect Quick click wiring harness to fog light harness.

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## Stage 15

- 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 FIRMLY.
- Install bumper light surrounds (supplied) to light openings. Large side of surround to inside of opening.



## Stage 16

- 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 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 on protection bar.



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## Stage 18

- Install ECB protection bar onto steel mounting bracket 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 19

- Using ECB back stop supplied (TO AVOID DAMAGE TO RADIATORS) drill outer holes in stone tray to 8mm.
- **Caution:** Use back stop (supplied) to protect radiator while drilling.



## Stage 20

- Install ECB centre under body guard using three (3) M5 x 20 mm philips head bolts, flat washers and nyloc nuts in front holes, M6 x 25mm bolts, flat washers and nyloc nuts (supplied) in rear holes.



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## Stage 21

- Install ECB side under body guards using two (2) M5 x 20mm philips head bolts, flat washers and nyloc nuts in front holes, M6 x 25mm bolts, flat washers and nyloc nuts (supplied) in rear hole (per side).
- Trim sides of liner to tuck in behind channel end.
- Mark and neatly trim liner to fit under body guard. Fix liner to under body guard with 8mm self drilling screws.



## Stage 22

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

## 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 - ECB steel mounting bracket	6 - M6 x 20mm bolts
2 - 2 Hole steel washer plates (75mm x 31mm two 11mm holes)	5 - M6 x 25mm bolts
2 - Tow hooks	18 - M6 flat washers
1 - Centre under body guard	2 - M6 spring washers
1 - Pair side under body guards	9 - M6 nyloc nuts
4 - 10Nb steel tubes 53mm long	2 - M6 nuts
2 - 40 x 11 x 6mm round alloy washers	7 - M5 x 20 philips head bolts
1 - ECB back stop	14 - M5 flat washers
8 - M12 x 1.25 x 40mm bolts	7 - M5 nyloc nuts
14 - M12 flat washers	4 - 8-10 G hex self drilling screws
8 - M12 spring washers	1 - ECB LED Indicator/ DRL / Park light kit
6 - M12 x 1.25 nuts	1 - Quick click harness (IC15TOHLHIPDH)
4 - M10 x 1.5 x 100mm bolts	1 - Bumper light kit
4 - M10 x 1.5 x 40mm bolts	1 - Quick click harness(IC10D40S1004ECBH)
16 - M10 flat washers	2 - Bumper light surrounds
8 - M10 spring washers	1 - 2650 mm length 6mm clip lock trim
8 - M10 x 1.5 nuts	2 - 1200mm lengths 3mm clip lock trim

# Finished Product

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# Warranty Registration

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## 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.

## Or Register Online

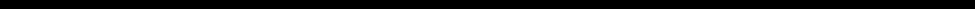
For online registration please go online to [www.ecb.com.au/warranty-registration](http://www.ecb.com.au/warranty-registration). If you have any questions please contact our national office on 1800 069 145 or [www.ecb.com.au](http://www.ecb.com.au).





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# Notes



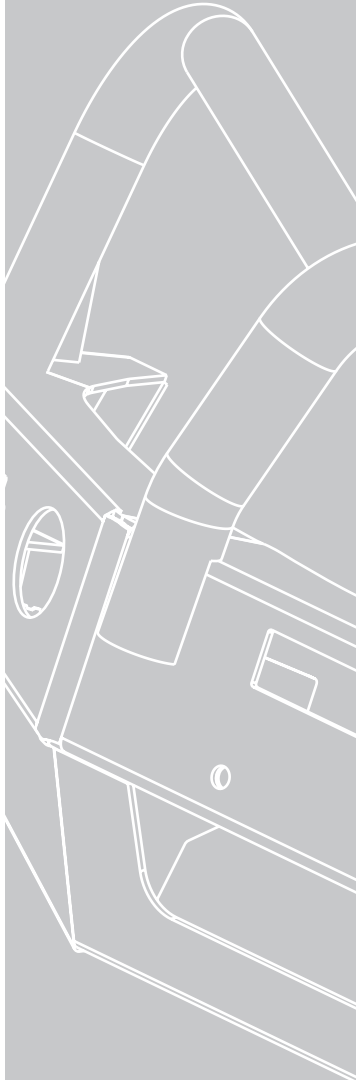
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 Full Name

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 Date



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# **Strongest Built Australian Made Lifetime Warranty**

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