



**Lighter  
Stronger  
Better!**

**Strongest Built  
Australian Made  
Lifetime Warranty**

EAT220SY



# **Fitting Guide & Owners Manual**

**TOYOTA HILUX 2WD**

**07/19on Workmate Lo-Rider**

BIG TUBE BAR  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES

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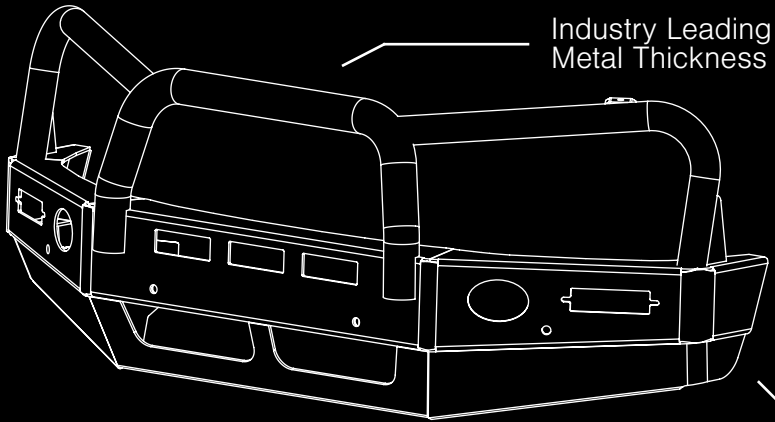
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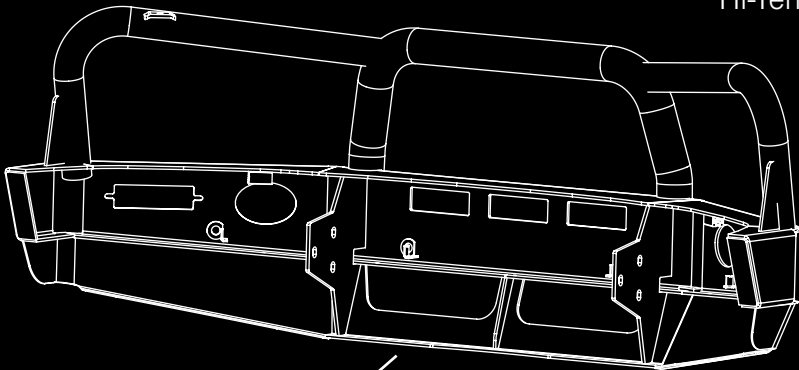
# The Features of ECB

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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.



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## Stage 4

- Remove three (3) 10mm head bolts from top of bumper behind grille.
- From bumper behind grille, remove two (2) plastic push pull clips.



## Stage 5

- Remove nine (9) 10mm head bolts from underside of bumper, remove two (2) plastic push pull clips from wheel arch per side.
- Pull outwards on bumper wing to unclip from guard and slide bumper forward from vehicle.



## Stage 6

- 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 top bumper stiffener and air dams.



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## Stage 7

- Fit ECB steel mounting bracket (supplied) onto end of chassis rail and fix with two (2) original bolts and two (2) M10 x 40mm bolts, flat washers, spring washers and nuts (supplied) into front of rail (per side) (finger tighten only).
- From inside of chassis rail, install two (2) M10 x 100mm bolts, flat washers, washer plate and spacer tubes 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 40mm bolt, spring washer and flat washer (supplied)(per side). Centralize mount to vehicle body. Align and tighten all bolts.



## Stage 8

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



## Stage 9

- Refit plastic bumper stiffener to vehicle.





# TOYOTA HILUX 2WD 07/19on WORKMATE

## Stage 10

- 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 for correct and cut bumper with jigsaw or similar too.



## Stage 11

- Remove bumper side locator and trim.
- One plastic screw clips and one 10mm head bolt (per side).
- Mark and trim locator to line shown in photo.
- Refit bumper locator to vehicle using original equipment.



## Stage 12

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



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## Stage 13

- 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.



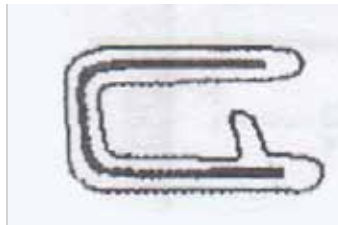
## Stage 14

- Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit. Ensure light is correct way up



## Stage 15

- 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 16

- 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 17

- Fit ECB alloy under body guard mount to lower tie bar rail with two (2) M10 X 25 bolts spring washers and flat washers (supplied) in rear holes.
- Install ECB centre under body guard using three (3) M6 x 20mm head bolts, flat washers and nyloc nuts (supplied) in front holes, three (3) M6 x 20mm bolts, flat washers and nyloc nuts (supplied) in rear holes.



## Stage 18

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



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## Stage 19

- Trim sides of liner to tuck in behind channel end.
- Mark and trim liner to fit under body guard.
- Fix liner to under body guard with 8 gauge self drilling screws. (Pilot hole is recommended)
- Install air vents into underbelly guard with ECB logo to top (air being sent upward into radiators). Trim rear of air vent if required.



## Stage 20

- 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

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## Installation Kit

1 - ECB Steel mounting bracket	2 - M10 X1.25 X 25 bolt
2 - steel washer plate(75mm x 31mm, two 11mm holes)	18 - M10 flat washers
2 - Tow hooks	10 - M10 spring washers
1 - Center under body guard	8 - M10 X 1.25 nuts
1 - Center under body guard mount	4 - M6 X 25mm bolts
1 - Pair side under body guards	8 - M6 X 20mm bolts
4 - 10NB steel tubes 53mm long	24 - M6 flat washers
2 - 40 x 11 x 6 round alloy washers	12 - M6 nyloc nuts
8 - M12 X1.25 X 40 Bolts	4 - 8-18 X 25 self drilling screws
14 - M12 Flat washers	1 - Indicator / Park / DRL light kit
8 - M12 spring washers	1 - Quick click harness (IC15TOHLOIPDH)
6 - M12 X 1.25 nuts	1 - 6mm clip lock 2650mm long
4 - M10 1.25 x 100mm bolts	2 - 3mm clip lock 1200mm long
4 - M10 X 1.25 x 40 bolts	3 - Air vents 3mm

# Finished Product

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# Warranty Registration

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## Contact Details

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

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

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Product: **BT220SY** \_\_\_\_\_

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.

## Please Post To:

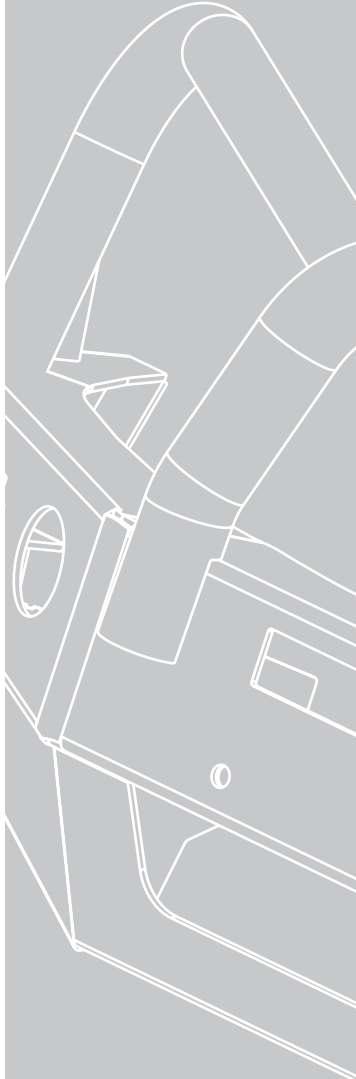
PO Box 122  
Margate QLD 4019

## Or Register Online

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



REPLACES: N/A  
REVISED: 06.08.19



1800 069 145  
[www.ecb.com.au](http://www.ecb.com.au)

# **Strongest Built Australian Made Lifetime Warranty**

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