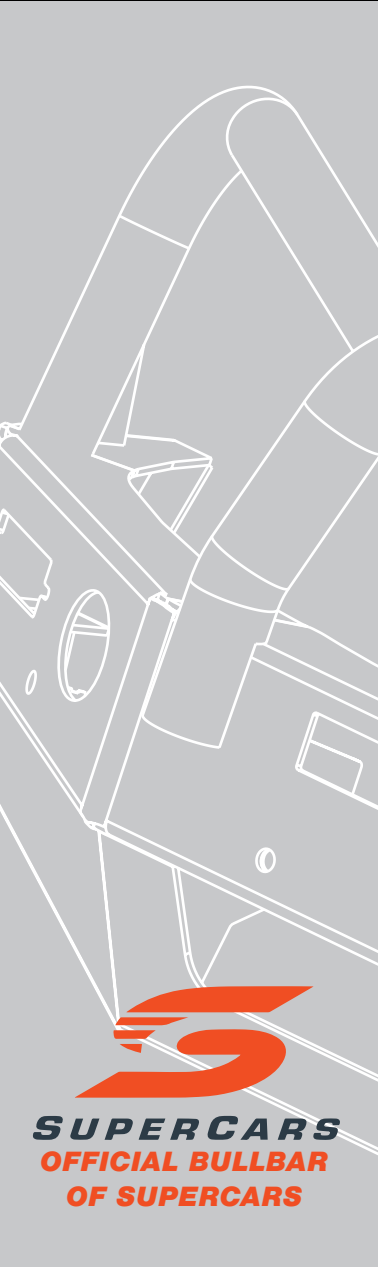




**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

EAT222SY



**Fitting Guide &
Owners Manual
TOYOTA HILUX 4WD
07/19on**

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

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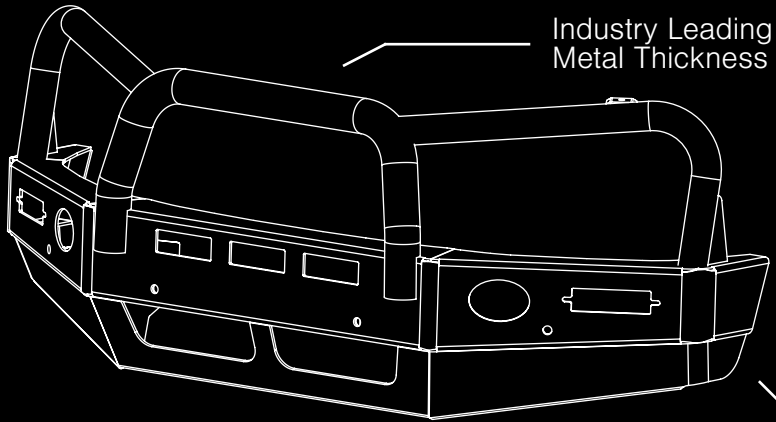
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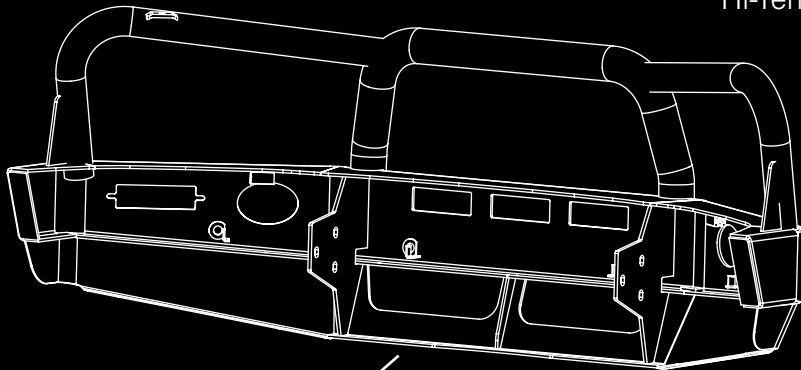
Notes

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 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

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

- Wheel arch remove two (2) push pull plug.
- Carefully pull rear of wing out from vehicle, then forward to remove bumper.
- Disconnect fog lights.



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 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 winch cradle (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. (Finger tighten only).
- From outside of chassis rail, install two (2) M10 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, fix with flat washers, spring washers and nuts and M12 x 40 bolts, flat washers, spring washers and M12 nuts.
- In rear hole of ECB steel tow hook, install 6mm alloy washer between tow hook and chassis rail, fix using one (1) M12 x 40mm bolt, spring washer and flat washer (supplied)(per side). Centralize cradle to vehicle body.
- Align and tighten all bolts.



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Stage 9

- Install fairlead roller to front of ECB winch frame using bolts supplied with winch.
- Install control box mount (supplied) to rear of control box using bolts / nuts supplied with winch.
- Install winch into ECB winch frame using bolts supplied with winch. Attach control box to winch using two worm drive hose clamps (supplied) for Warn control box mount.

Stage 10

- Mark and trim air dams to fit around ECB winch frame.
- Refit bumper stiffener to vehicle.
- 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 11

- 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 tool.



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Stage 12

- Remove bumper side locator and trim.
- Two (2) plastic screw clips (Per side), one (1) 10mm head bolt.
- Remove one(1) push pull clip from inner guard.
- Mark and trim locator to line shown in photo.



Stage 13

- Refit bumper locator to vehicle, fix with M6 x 20mm bolt, flat washer and nyloc nut in top front hole (supplied)(Per side).



Stage 14

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



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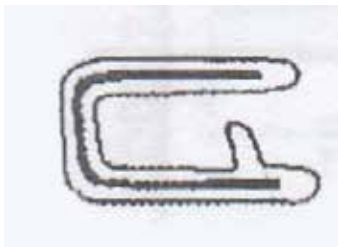
Stage 15

- Attach ECB fog 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 and winch openings. Large side of surround to inside of opening on lights and to rounded side of winch openings.
- 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 16

- 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 17

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



Stage 18

- Using ECB back stop supplied (TO AVOID DAMAGE TO RADIATORS) drill outer holes in stone tray to 8mm.
- Install ECB centre under body guard using three (3) 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 holes.



Use Back stop to protect radiators while drilling.

Stage 19

- 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 20

- 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 trim liner to fit under body guard.



Stage 21

- 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 .**

Installation Kit

Installation Kit

1 - ECB winch mount cradle	4 - M6 x 20mm bolts
1 - Pair winch cradle gussets	5 - M6 x 25mm bolts
2 - Tow hooks	14 - M6 flat washers
4 - 10Nb steel tubes 53mm long	2 - M6 spring washers
1 - Warn winch control bracket	7 - M6 nyloc nuts
2 - 40 x 11 x6 mm alloy washers	2 - M6 nuts
1 - Centre under body guard	7 - M5 x 20mm philips head bolts
1 - Pair side under body guards	14 - M5 flat washers
2 - Worm drive hose clamps	7 - M5 nyloc nuts
1 - ECB back stop plate	4 - 8-10 G hex self drilling screws
12 - M12 x 1.25 x 40mm bolts	1 - ECB indicator / DRL / Park light kit
22 - M12 flat washers	1 - Quick click harness (IC15TOHLHIPDH)
12 - M12 spring washers	1 - ECB bumper light kit
10 - M12 x 1.25 nuts	1 - Quick click fog harness (IC10D40S1004ECBH)
4 - M10 x 1.5 x 100mm bolts	4 - Bumper light surrounds
4 - M10 x 1.5 x 40mm bolts	1 - 2650mm length 6mm clip lock trim
16 - M10 flat washers	1 - 750mm length 6mm clip lock trim
8 - M10 spring washers	2 - 1200mm lengths 3mm clip lock trim
8 - M10 x 1.5 nuts	

Finished Product



Warranty Registration

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.

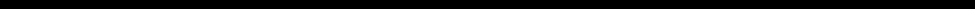
Or Register Online

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



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Notes

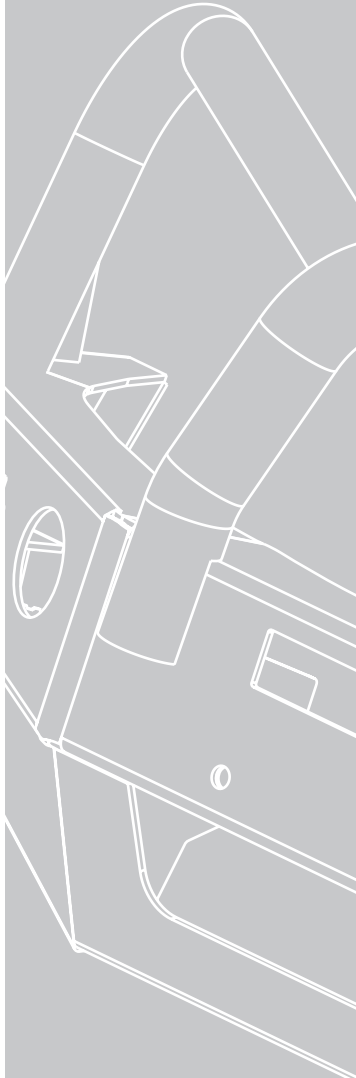


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 Full Name

 Date

REPLACES: N/A
REVISED: 16.12.19



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