



**WORLD'S BEST  
ALLOY BULLBARS**

**Strongest Built  
Australian Made  
Lifetime Warranty**

PN: EAT166SY



# **Fitting Guide & Owners Manual Toyota Prado 10/17-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**

Important Note  
Stage 1 - Vehicle Preparation  
Stages 2 to 3 - Grille Cover Removal  
Stages 4 to 5 - Grille Removal

## **Pages 8-9**

Stage 6 - Bumper removal  
Stage 7 - Bumper and Parking sensor removal  
Stages 8 to 11 - Body Preparation

## **Pages 10-11**

Stage 12 - Chassis Mount Preparation  
Stages 13 to 14 - Steel Mount Installation  
Stage 15 - Winch installation  
Stages 16 to 17 - Light Wiring

## **Pages 12-13**

Stages 18 to 23 - Light Wiring continued

## **Pages 14-15**

Stages 24 - Light Wiring continued  
Stages 25 to 26 - Bumper Cutting  
Stage 27 - Bumper Light Wiring  
Stage 28 - Bumper installation  
Stage 29 - Indicator installation  
Stage 30 - Bumper light installation

## **Pages 16-17**

Stage 31 - Trim fitment  
Stage 32 - Protection bar installation  
Stage 33 - Side underbelly guard installation  
Stage 34 - Centre underbelly guard installation  
Fitting Kit

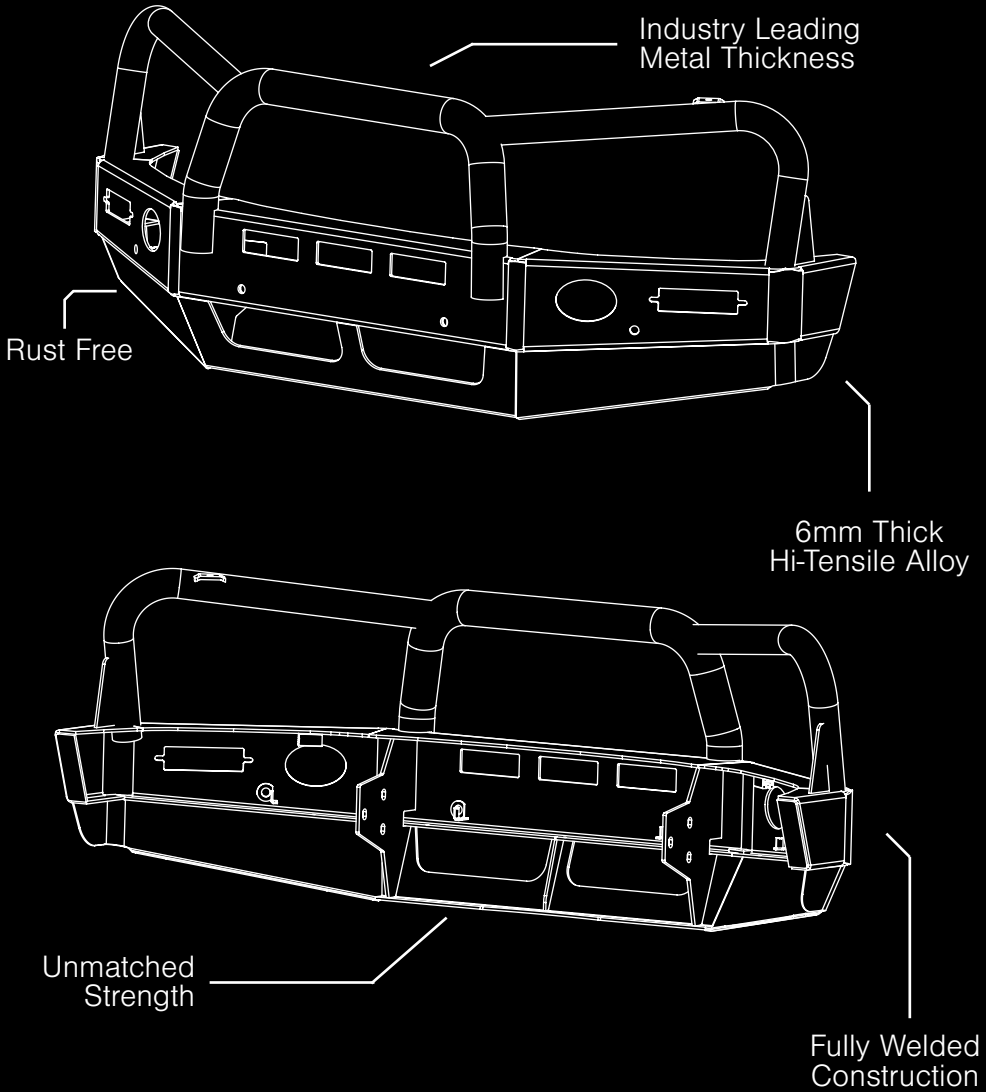
## **Pages 18-19**

Final Checks  
Finished Product

## **Pages 20-22**

Warranty Registration

# The Features of ECB



# 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.**

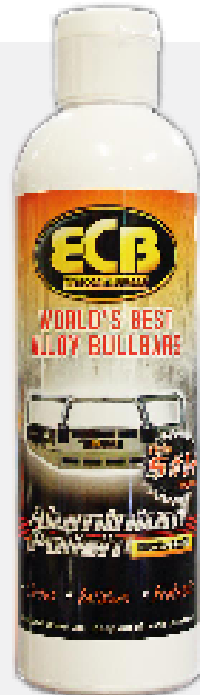
## Powdercoated Products

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. With over 40 years 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.



# EAT166SY

**Caution: DO NOT turn vehicle on when electrical parts are disconnected on this vehicle, it will show up a malfunction on the dash. This vehicle will then need the codes to be reset on the internal computer to remove the malfunction from the dash.**

## Stage 1

- Road test vehicle to check all active safety equipment is operational.
- Lift bonnet
- Disconnect battery.
- Ensure these instructions are left with the vehicle owner and/or operator.



## Stage 2

- Remove plastic between radiator and grille. Thirteen (13) plastic push pull clips.



# 11/17on Toyota Prado

## Stage 3

- Unplug grille sonar unit.



## Stage 4

- Slide small flat screwdriver between headlight chrome trim and headlight. Gently pry chrome trim away from headlight and remove.



## Stage 5

- Remove four (4) 10mm head screws from top of grille, unclip upper and lower sections and pull forward to remove.



# EAT166SY

## Stage 6

- From top of bumper between headlights, remove four (4) push pull plastic clips.
- In front of wheel arch, remove two (2) 10mm head screws (per side).
- Across bottom of bumper, remove six (6) 10mm head bolts and two push pull plastic clips.
- Pull side inner guards rearward and from inside, disconnect fog lights, sensors and headlight washers (if fitted).



## Stage 7

- Pull side of bumper out from vehicle to unclip guard section and forward to unclip from headlight.
- Remove bumper from vehicle



## Stage 8

- Remove left and right air scoops. One (1) push pull clip per side.





# 11/17- Toyota Prado

## Stage 9

- Remove center plastic bash plate, five (5) 10mm head bolts and one (1) push pull clip.



## Stage 10

- Remove the top plastic trim from the bumper support.



## Stage 11

- Remove alloy bumper support, three (3) 14mm head nuts per side



# EAT166SY

## Stage 12

- Drill two (2) lower crash can holes out to 10mm. Enlarge holes in top to 18mm to allow for tube spacer to be fitted.
- Blow all metal filings clear and treat all exposed metal with a rust inhibitor.



## Stage 13

- Fit ECB steel mounts to chassis rail with welded washers to chassis side. Install M8 x 40mm bolt, spring washer and flat washer (supplied) to hole between body mount and chassis front.
- Install M12 x 40mm bolt, spring washer and flat washer (supplied) to lower hole and M10 x 40mm bolt and washer on wire, flat washer, spring washer and nut (supplied) to rear hole.



## Stage 14

- In front of chassis join on bumper support, install angle mounts to top of chassis rails and fix with two (2) 3/8 x 5 bolts, flat washers and spacer tubes (supplied). Fit two (2) M10 x 1.25 x 40mm bolts, flat washers, spring washers and nuts (supplied) (per side).
- Install winch cradle to underside of bumper support on bottom two (2) 3/8 x 5 bolts, flat washers, spring washers and nuts (supplied). Fit (2) two M10 x 1.25 x 40mm bolts, flat washers, spring washers and nuts (supplied) (per side).
- Install winch mount supports to front of crash can assembly using two (2) M10 nuts, spring washers and flat washers and two (2) M10 x 1.25 x 40mm bolts, flat washers, spring washers and nuts (supplied) (per side)



- Align mounts to vehicle. TIGHTEN ALL BOLTS

# 11/17- Toyota Prado

## Stage 15

- Install winch as per manufacturers instructions. NOTE: included in fitting kit is a mount and hose clamps to suit the early model Warn winches.

## Stage 16

- Unclip guard top plastic trim to allow access to headlight bolt , two (2) plastic clips
- Remove radiator air dam to allow access to headlight bolt. One (1) plastic push pull clip and two (2) clips into radiator support.



## Stage 17

- Disconnect headlight from power connector.
- Remove headlight, four (4) 10mm head screws.



# EAT166SY

## Stage 18

- Find lower cover and wiring grommet on rear of headlight.
- Remove lower cover, spins anti clockwise (retain for refit)
- Remove rubber grommet from rear of light for easy access.



## Stage 19

- Carefully disconnect connector on board inside light.
- Pull connector back to rubber grommet side of openings



## Stage 20

- Strip sheath on wiring to reveal wiring.
- Carefully strip sheath on yellow wire about 1/2 way along to allow solder connection.



# 11/17- Toyota Prado

## Stage 21

- Create small hole in rubber grommet and feed in black wire from harness.
- Solder black wire to yellow wire in harness. Tape join to protect



## Stage 22

- Tape sheath back to wiring.
- Place harness back in position and reconnect to board in headlight.



## Stage 23

- Reseal headlight
- Place neutral cure silicon around wire through plug to ensure headlight seal.

# EAT166SY

## Stage 24

- Refit headlight to vehicle.
- Install electrical plug to bottom of headlight
- Strip back sheathing from connector.
- Select wires from connector:
- Pin 4, grey on car/ DRL/ Brown on ECB harness
- Pin 11, (Purple (LH), Green (RH)) on car/ indicator/ green on ECB Harness
- Pin 12, White/black on car/ Earth/ White on ECB harness
- Strip small section of wire and solder correct wire as per above connections. Joining further down the cable will give better results.



**Note: Wires will not show on test light. Some functions of the light are worked on power changing in the wire rather than on/off.**

Toyota Prado 11/17 on  
Wiring information



## Stage 25

- Check scale on the cut templates included with this instruction. Using sharp scissors or similar, cut templates out and join with clear tape where required.

## Stage 26

- Check area behind bumper is free from hoses and wiring.
- Tape bumper using paper tape so bumper is not damaged when cutting.
- Using paper template, mark out bumper ready to be cut. Double check mark out before cutting.
- Cut bumper to shape using a jigsaw or similar.
- Install 3mm clip lock trim (supplied) to outside of cut area.
- Refit bumper to vehicle as per reverse of steps 1 to 7



# 11/17- Toyota Prado

---

## Stage 27

- Connect ECB Quick Click bumper light wiring harness (supplied) into original wiring harness.

---

## Stage 28

- Refit bumper to vehicle as per reverse of steps 2 to 7

---

## Stage 29

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



---

## Stage 30

- Attach ECB bumper lights to protection bar. Use M6 x 20 bolts and washers (supplied) with M6 nuts (supplied).  
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.





# EAT166SY

## Stage 31

- 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 32

- Install ECB protection bar to ECB steel mounts using (6) M12 x 1.25 x 40mm bolts, flat washers, spring washers and nuts (supplied). FINGER TIGHTEN ONLY.
- Align ECB protection bar with vehicle.
- Tighten all bolts
- Ensure all wiring harness are connected and check operation.



## Stage 33

- Remove lower M12 bolt from steel mounting bracket.
- Install ECB outer underbelly guards to top of end skirt and underside of channel wing using three (3) M6 x 20 bolts, flat washers and nyloc nuts (supplied) per side.
- Refit M12 bolt to steel mounting bracket through underbelly guard.
- Tighten all bolts





# 11/17-ON Toyota Prado

## Stage 34

- Remove vents from center skirt.
- Install center underbelly guard using four (4) M6 x 20 bolts, flat washers and nyloc nuts (supplied) across front and two (2) M6 x 20 bolts, spring washers and flat washers (supplied) for rear into original equipment stone guard.
- TIGHTEN ALL BOLTS

## Fitting Kit

1 - Pair ECB steel mounts	20 - M10 x 1.25 nuts
1 - ECB steel winch frame	2 - M8 x 1.25 x 40mm bolts
2 - ECB steel angle mounts (EAT115SY_B6MS)	2 - M8 flat washers
2 - Winch support brackets (EAT163SY_A6MS)	2 - M8 spring washers
4 - 81mm 10NB Spacer Tubes	8 - M6 x 20mm bolts
1 - Warn winch bracket (WIN_CONT_B4MS)	12 - M6 flat washers
1 - Pair ECB side underbelly guards	2 - M6 spring washers
8 - M12 x 1.25 x 40mm bolts	2 - M6 nuts
14 - M12 flat washers	6 - M6 nyloc nuts
12 - M12 spring washers	1 - LED Indicator / DRL / Park light kit
6 - M12 nuts	1 - Bumper light kit
4 - 3/8 x 5 bolts	1 - Quick click harness (IC10D40S1004ECBH)
4 - 3/8 nuts	2 - Worm drive hose clamps
12 - M10 x 1.25 x 40mm bolts	4 - Bumper light surrounds
2 - M10 x 1.25 x 40mm bolt and washer on 300mm wire	2 - 6mm air vents
	2 - 600mm lengths 3mm clip lock trim
40 - M10 flat washers	1 - 2900mm length 6mm clip lock trim
20 - M10 spring washers	1 - 750mm length 6mm clip lock trim

# 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.

# Finished Product





# Warranty Registration

---

## Contact Details

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

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

\_\_\_\_\_

Product: **EAT166SY** \_\_\_\_\_

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).

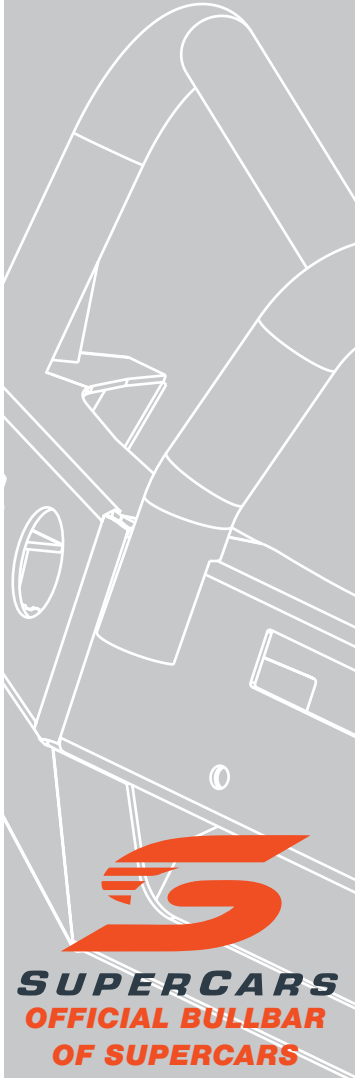


**Please post to PO Box 122,  
Margate QLD 4019**



REPLACES: 17.01.18

REVISED: 08.02.21



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

# **Strongest Built Australian Made Lifetime Warranty**

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