



**Lighter  
Stronger  
Better!**

**Strongest Built  
Australian Made  
Lifetime Warranty**

**PN: BF87SY**

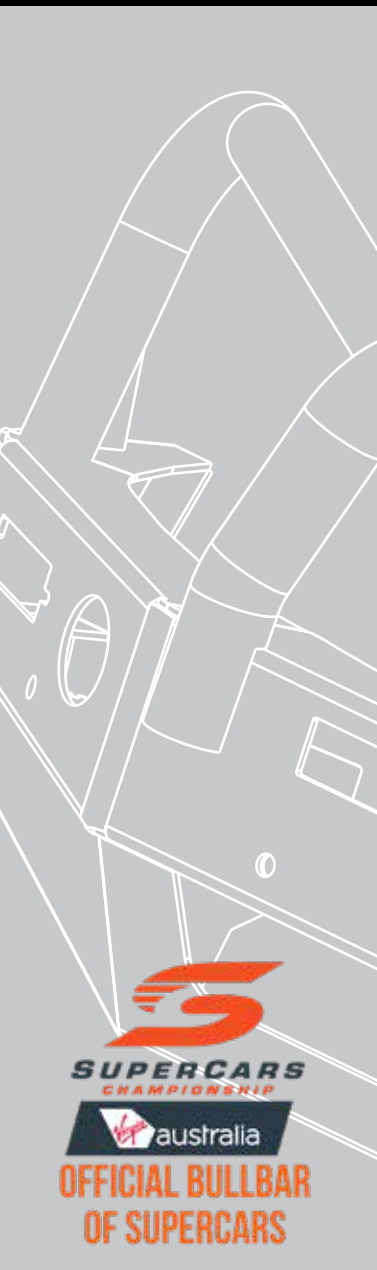


# **Fitting Guide & Owners Manual**

**FORD TRANSIT**

**VO MY18.75 05/2018 on**

Big Tube Bar With Fog Lights  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES



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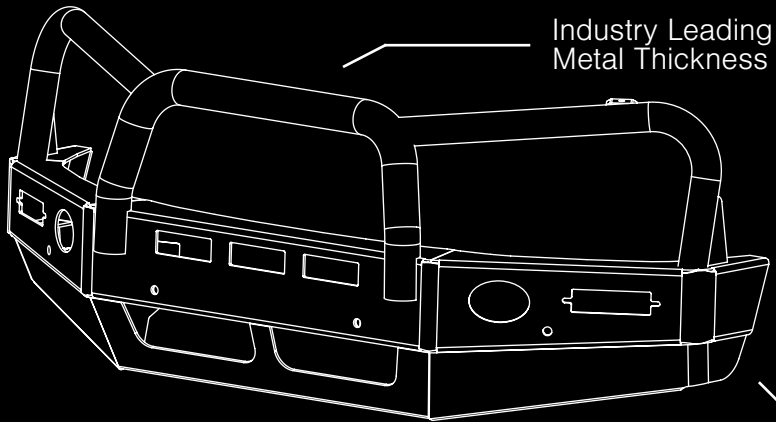
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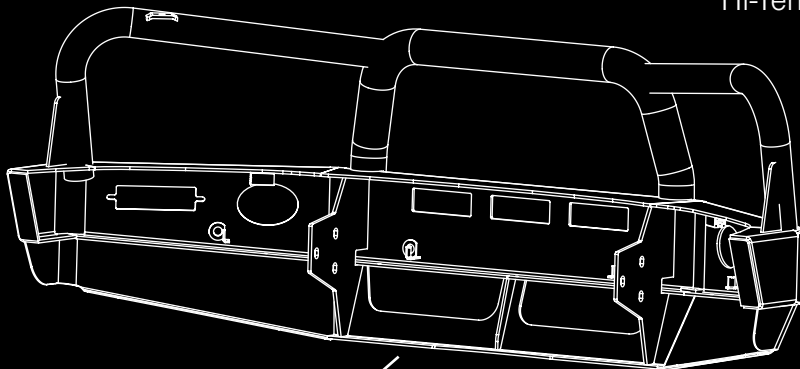
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# The Features of ECB



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 Insert 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 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 park brake.
- Unwrap ECB Protection bar and disconnect mounts. Discard bolts.
- Ensure these instructions are left with the vehicle owner and/or operator.



## Stage 2

- Lift bonnet. Bonnet catch is key operated and found in centre of grille above badge.



## Stage 3

- To remove headlights remove (2) two T30 Torx drive bolts from top of headlight. Move head lights forward to unclip from clip beneath headlight.
- Using small screwdriver on connectors latch carefully lever latch to open far enough and disconnect.
- Remove headlight.



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## Stage 4

- From between headlights, remove five (5) push pull clips and four (4) 10mm head bolts.



## Stage 5

- From front wheel arches, remove two (2) push pull clips from guard flares.
- From under front guard unclip push pull retaining clips on front section of guard flare connected to bumper. Release enough to be able to remove bumper from behind.

**Note:** Rear clip is made of different material to rest of clips. It will break when stressed.



## Stage 6

- From rear point where bumper meets guards in wheel arch, remove one (1) 10mm head bolt from behind bumper.



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## Stage 7

- On sides of coloured section of bumper at guard join, remove two (2) T25 Torx head screws. This join is a push pull join to the guard, but is difficult to unclip. By removing the Torx screws the clip section is removed.
- Unclip sides of bumper from guard and allow to hang.
- Disconnect parking sensor harness on drivers side. Behind washer bottle.



## Stage 8

- From underside of vehicle. Remove four (4) 10mm head bolts from join of underbelly guard to bumper, one (1) push pull clip from underbelly guard to air conditioner lines on passenger side of vehicle and two (2) 10mm head bolts from underbelly guard to chassis rails. Remove underbelly guard.



## Stage 9

- Remove number plate (if fitted).
- From behind number plate, remove two (2) 13mm head bolts.





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## Stage 10

- Under headlights, release the catch holding bumper in place, and latches at sides of centre grille.



## Stage 11

- Under painted section above grille under the bonnet, lift the painted section to allow vision beneath.
- Using a screw driver, release the clips on the black section underneath by levering rear edge upward on outer corners. Beneath this black section is a second smaller catch similar to the one underneath the headlight. Release this catch and carefully remove bumper.



## Stage 12

- Disconnect sensor/ fog light harness from water washer bottle and redirect to front of vehicle.



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## Stage 13

- Using a die grinder or similar, trim front outside area of air dams from top of indent in front edge to level with top of bumper support, 45mm to centre of vehicle .



## Stage 14

- Remove temperature sensor from passengers side of bumper support . Allow to hang .



## Stage 15

- Working one (1) side at a time, remove four (4) 13mm head bolts from bumper support to chassis join.
- **NOTE:** bolts are from rear to front.
- Install ECB steel mounting brackets between chassis and bumper support. Fit using four (4) M10 x 1.5 x 40mm bolts, spring washers, flat washers (supplied) **finger tighten.**



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## Stage 16

- Align mounting brackets to vehicle. Using ECB steel mounting brackets as a guide, drill four (4) holes in bumper support. **Blow filings clear and treat all exposed metal with a rust inhibitor.**
- Install four (4) M10 x 1.5 x 40mm bolts, spring washers, flat washers and nuts (supplied). Rear of top bolt is accessible from rear of bumper support using M10 nut and washer on 200 mm wire (supplied). **Tighten all bolts .**
- Install M10 x1.5 nuts (supplied) to rear bolts on chassis rail, **tighten nuts only.**



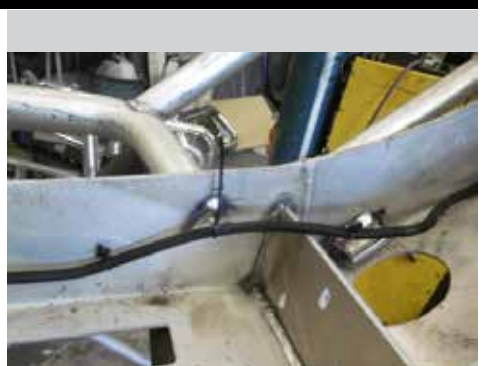
## Stage 17

- Remove parking sensors and fog light harness from bumper.
- Place harness into protection bar.
- Place plastic sensor spacer (supplied) into sensor housing then sensor and secure with zip ties (supplied).
- **NOTE** Do not overtighten zip ties as this may lead to false sensor readings.



## Stage 18

- Secure harness into protection bar using zip ties (supplied) .



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## Stage 19

- Check template (supplied) for correct sizing.  
**CAUTION:** Some printers may vary.
- Tape bumper area to be cut to limit damage, place template in correct position mark out , double check before cutting .
- Using jig saw or similar, carefully trim bumper.



## Stage 20

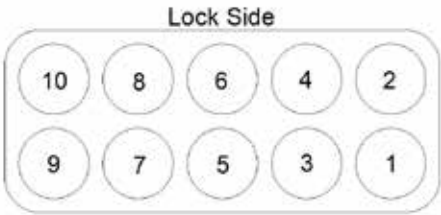
- If fog lights are fitted, remove fog lights to allow access for wiring harness.
- If non fog model: Drill hole in fog light blank big enough to fit sensor, indicator and fog light harness plug through.



## Stage 21

- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges or moving parts.

NOTE: Wire colour has been taken from vehicle side connector of drivers side head-light on development vehicle. This may be different on your vehicle.  
Check all lights for correct operation before proceeding.



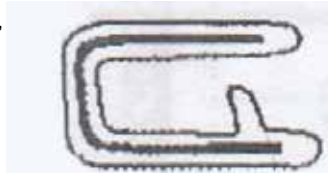
Pin Number	Colour	Use
2	Brown/ Yellow	Parker
3	Purple/ White	DRL
4	Black/ Grey	Ground (earth)
6	Yellow/ Purple	Indicator

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## Stage 22

- Attach 6mm clip lock trim (supplied) to top of ECB protection bar, lower air vents and tow point holes.

NOTE: Trim off lower edge on an angle so trim will sit flush with end of protection bar. For skirt trimming, trim outer angles, place into opening to gauge length, trim to length, pull out from middle to get ends in position, reposition centre.



## Stage 23

- 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 24

- Install ECB protection bar onto outside of ECB steel mounting brackets using eight (8) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied).



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## Stage 25

- Align protection bar to vehicle.



## Stage 26

- Attach ECB fog lights to protection bar. Place M6 x 20mm 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.



## Stage 27

- Connect ECB park indicators , fog lights and sensors and check for correct operation.
- Road test vehicle to ensure all driver assists are working as per previous test.

# Final Checks & Installation Kit

## 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

1- Pair ECB steel mounting brackets	2 - M6 nuts
8 - M12 x 1.75 x 40mm bolts	1 - ECB LED indicator/park light kit
16 - M12 flat washers	8 - Cable locks
8 - M12 spring washers	1 - ECB fog light kit
8 - M12 x 1.75 nuts	1 - Quick Click Kit (IC10D40S1004ECBH)
12 - M10 x 1.5 x 40mm bolts	2 - Fog light surrounds
12 - M10 flat washers	1 - 2400mm length 6mm clip lock trim
12 - M10 spring washers	2 - 550mm lengths 6mm clip lock trim
10 - M10 x1.5 nuts	2 - 250mm lengths 6mm clip lock trim
2 - M10 x 1.5 nut & washer on 200mm wire	12 - 150mm zip ties
2 - M6 x 20 bolts	4 - Plastic sensor spacers (EAMB100_A3P)
2 - M6 spring washers	

# 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/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).



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**Please post to: PO Box 122,  
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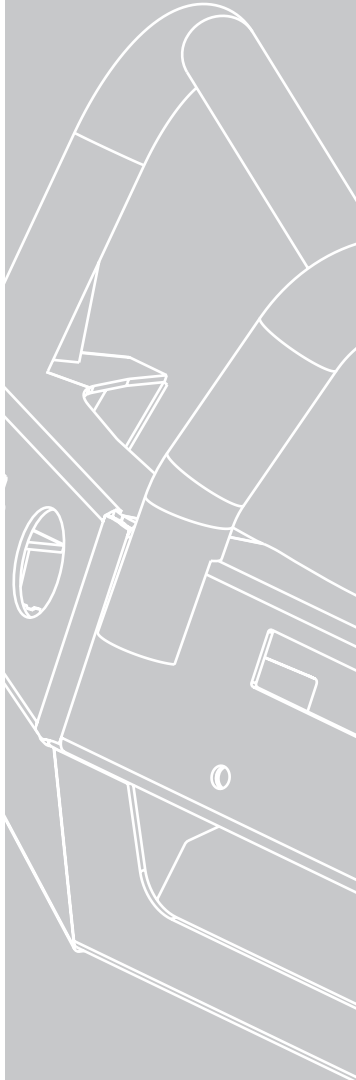
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REVISED: 3.06.19



# **Strongest Built Australian Made Lifetime Warranty**

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