



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:BF89SY



Fitting Guide & Owners Manual

FORD TRANSIT VAN

VO 5/19 ON

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

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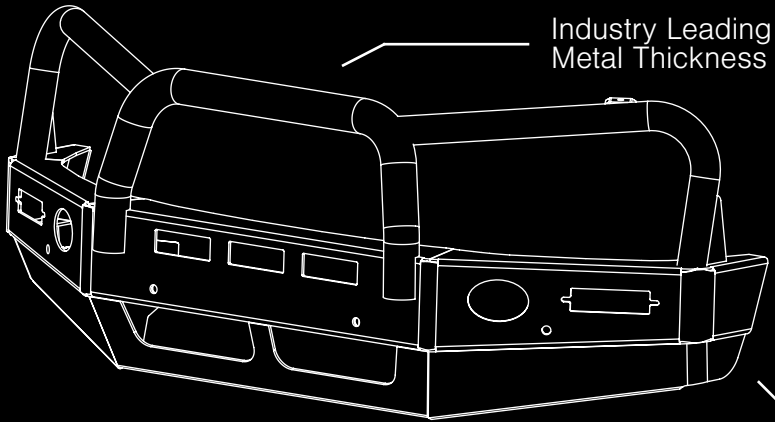
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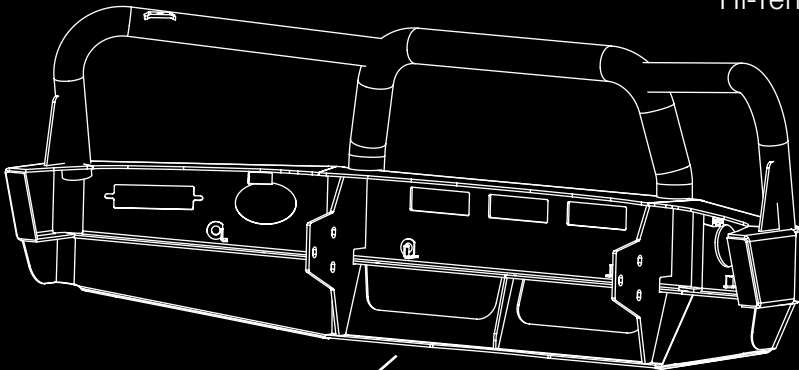
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The Features of ECB



Industry Leading
Metal Thickness

6mm Thick
Hi-Tensile Alloy



Unmatched
Strength

Fully Welded
Construction

ECB's Benefits

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 many 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 working correctly 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

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



Stage 3

- Remove two (2) T30 Torx drive bolts from top of headlight. Move head lights forward to reach clip beneath headlight.
- Using small screwdriver on electrical 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.
- Bottom of guard remove four (4) screws

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

- Under side of drivers side behind washer bottle, unplug harness and pull xmas tree plug out from washer bottle.



Stage 7

- On sides of coloured section of bumper at guard join, remove two (2) T25 Torx head screws.

NOTE: 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.



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.



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Stage 9

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



Stage 10

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



Stage 11

- Lift the painted section of the grille at the radiator support 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.



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Stage 12

- 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 13

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



Stage 14

- Working one side at a time, remove four (4) 13mm head bolts from bumper support to chassis join.

NOTE: Bolts are from rear to front.

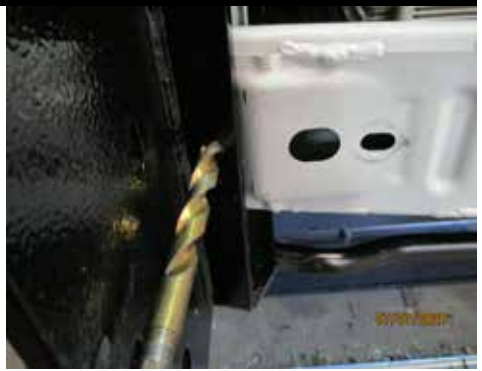
- Install ECB steel mounting brackets between chassis and bumper support. Fit using four (4) M10 x 1.5 x 40mm bolts, spring washers and flat washers (supplied). Finger tighten.



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Stage 15

- Align mounting brackets to vehicle. Using ECB steel mounting brackets as a guide, drill two (2) holes in bumper support.
Blow filings clear and treat all exposed metal with a rust inhibitor.
- Install two (2) M10 x 1.5 x 40mm bolts, spring washers, flat washer and nut and washer on 300 mm wire (supplied). Feed nut on wire through end of rail.
- Tighten all bolts.



Stage 16

- 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 and mark out. Double check before cutting. Trim inside of bumper.
- Using jig saw or similar, carefully trim bumper. Inner bumper is also trimmed .



Stage 17

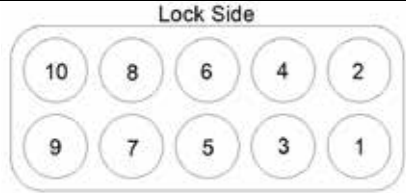
- Unclip light surround and remove three (3) philips head screws to remove lights. This will allow for bumper light and sensors to be connected.



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Stage 18

- 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 headlight on development vehicle. This may be different on your vehicle. Check all lights for correct operation before proceeding.



Pin Number	Colour	Use
2	Green	Indicator
3	Yellow	DRL
4	Black	Earth
6	Blue	Parker

Stage 19

- Remove sensors from housing.
- Extend wiring from each sensor by 300mm with 3 core wire and solder joiners provided.
- Place exposed wiring into 10mm convoluted tubing (supplied).



Stage 20

- Rotate parking sensor mount to suit direction parking sensor was removed from vehicle. Ensure silicon ring is attached to front of sensor. With parking sensor in correct direction, gently place into parking sensor mount with locating pins ratcheting into holding lugs. Push only until front of sensor is aligned with front of parking sensor mount. Silicon seat on parking sensor should seat loosely into front opening.



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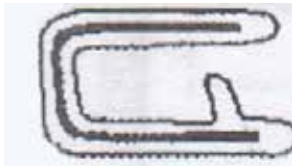
Stage 21

- Refit bumper in reverse, as per steps Steps 2 to 9.
- Reconnect harness.



Stage 22

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



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.



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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).
- Align protection bar to vehicle.
- Tighten all bolts



Stage 25

- 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 FIRM ONLY.**
- Install bumper light surrounds (supplied) to bumper light openings. Large side of surround to inside of opening on lights.



Stage 26

- Connect ECB park indicators and sensors.
- 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	1 - Indicator/park/DRL (ICLED105ECB)
8 - M12 x 1.75 x 40mm bolts	8 - Cable locks
16 - M12 flat washers	1 - Bumper light kit
8 - M12 spring washers	1 - Quick click harness (IC10D40SI004ECBH)
8 - M12 x 1.75 nuts	2 - Bumper light surrounds
10 - M10 x 1.5 x 40mm bolts	4 - 300mm lengths 3-core wire
10 - M10 flat washers	4 - 350mm lengths 10mm convoluted tube
10 - M10 spring washers	24 - Solder joiners
2 - M10 x 1.5 nut & washer on 200mm wire	1 - 2400mm length 6mm clip lock trim
2 - M6 x 20mm bolts	3 - 450mm length 6mm clip lock trim
2 - M6 spring washers	8 - 150mm Zip ties
2 - M6 nuts	

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **BF89SY** _____

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.

Register Online

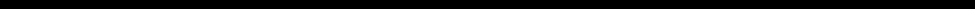
For online registration please go online to www.ecb.com.au/warranty-registration
If you have any questions please contact our national office on 1800 069 145 or
www.ecb.com.au.



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

Notes

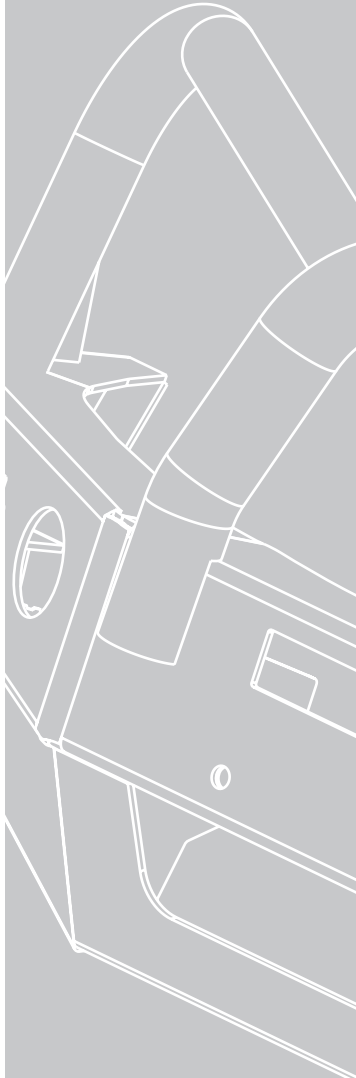


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 Full Name

 Date

REPLACES: N/A
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