



WORLD'S BEST  
ALLOY BULLBARS

**Lighter  
Stronger  
Better!**

**Strongest Built  
Australian Made  
Lifetime Warranty**

PN: NBF88SY



**Fitting Guide &  
Owners Manual**  
**FORD TRANSIT**  
**VO 05/19 on**

76mm NUDGE BAR  
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)  
FOR AIR BAG & ADR COMPLIANT VEHICLES



# Index

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## **Pages 3-5**

ECB's Benefits  
Product Care

## **Pages 6-7**

Stage 1 - Vehicle preparation  
Stage 2 - Bonnet catch position  
Stage 3 - Headlight removal  
Stages 4 to 6 - Remove bumper

## **Pages 8-9**

Stage 7 - Disconnect Harness  
Stage 8 to 12 - Remove bumper (Cont'd)

## **Pages 10-11**

Stages 13 - Sensors  
Stage 14 to 15 - Steel mounting brackets  
Stage 16 - Air dam trim  
Stage 17 - Bumper refitment  
Stage 18 - Sensor fitment

## **Pages 12-13**

Stage 19 - Protection bar installation and testing  
Finished Product  
Final Checks & Installation Kit

## **Pages 14-15**

Warranty Registration

# The Features of ECB

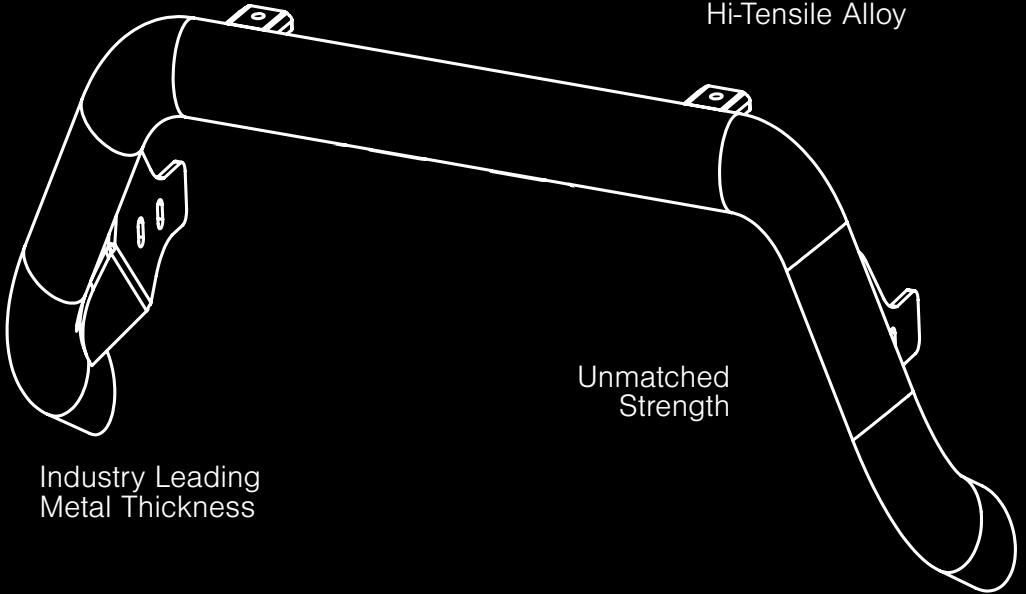
Rust Free

Hi-Tensile Alloy

Unmatched  
Strength

Industry Leading  
Metal Thickness

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 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

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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. Within our decades 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.



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## Stage 2

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



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## 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.



# Ford Transit 5/19 on

## 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 8

- On sides of coloured section of bumper at guard join, remove two (2) T25 Torx head screws. This join is a push pull joint 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.

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



## Stage 9

- 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. By gently pulling on sides to release clips





# Ford Transit 5/19 on

## Stage 10

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



## Stage 11

- Under headlights, release the catch holding bumper in place.



## Stage 12

- Above grille under the bonnet, lift the painted section to allow vision beneath.
- Using a screw driver, release the clips on the black section 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 13

- Remove two (2) center sensors from bumper.
- Extend wiring harness with 350mm three core wire and joiners provided.
- Place exposed wiring into 10mm convoluted tubing and feed through top vent in bumper.



## Stage 14

- Attach steel mounting brackets behind bumper support using one (1) M10 x 1.5 x 85mm bolt, flat washers, spring washer and nut (per side)(supplied). Use centre hole in front of chassis rail, tighten bolt.
- Using mounting brackets as a guide drill 10mm holes in top and bottom of rail.

**Blow filings clear and treat all exposed metal with a rust inhibitor**



## Stage 15

- Secure top and bottom of mounting brackets with two (2) M10 x 1.5 x 25mm bolts, spring washers, flat washers and nuts on 300mm wire (supplied) (per side).
- Insert nuts on wire through hole in front of chassis rail.
- Align mounts and tighten .



# Ford Transit 5/19 on

## Stage 16

- Measure distance between steel mounting brackets. Ensure steel mounting brackets match alloy bar width.
- Cut lower grille on bumper to allow steel mounting brackets to protrude.



## Stage 17

- Replace bumper as per reverse of steps 1 to 10.
- Do not refit underbelly guard at this stage. Access is required for installation of rear bolt.
- Pull sensor harness through bottom air vent, so can be plugged into protection bar.



## Stage 18

- Place sensors into housing in protection bar.
- Use zip ties supplied to secure sensors.



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## Stage 19

- Secure protection bar to vehicle using four (4) M10 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied). Finger tighten only.

NOTE: Rear bolt is accessed from under side.

- Align protection bar vertical, matching bumper and central to vehicle. Tighten all bolts.
- Plug in sensors.
- Refit under body guard
- Test drive vehicle to ensure all driver assists are operating as before fitment.



## Finished Product



# Final Checks & Installation Kit

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## 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.

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# Installation Kit

1 - Pair ECB mounting brackets	6 - M10 x 1.5 nuts
2 - M10 x 1.5 x 85mm bolts	4 - M10x1.5 nut & flat washer on 300mm wire
4 - M10 x 1.5 x 40mm bolts	2 - 350mm lengths 3 core wire
4 - M10 x 1.5 x 25mm bolts	12 - Solder joiners
16 - M10 flat washers	2 - 400mm lengths 10mm convoluted tubing
10 - M10 spring washers	2 - 150mm zip ties

# Warranty Registration

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## Contact Details

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

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

\_\_\_\_\_

Product: **NBF88SY** \_\_\_\_\_

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

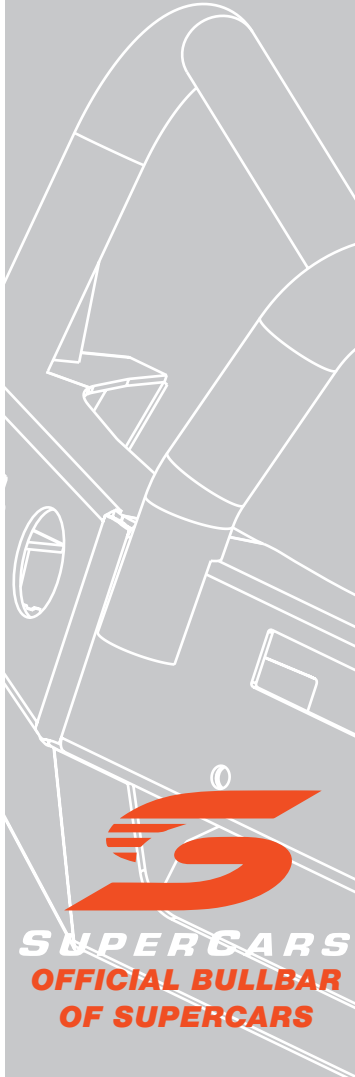
For online registration please go online to [www.ecb.com.au/warranty-registration](http://www.ecb.com.au/warranty-registration)  
If you have any questions please contact our national office on 1800 069 145 or  
[www.ecb.com.au](http://www.ecb.com.au).



**PN: NBF88SY**  
**Please post to PO Box 122,**  
**Margate QLD 4019**

REPLACES: 23.03.21

REVISED: 28.04.21



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

# **Strongest Built Australian Made Lifetime Warranty**

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