



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

**PN: 8F180SY, NB6F180SY,
NBF180SY**

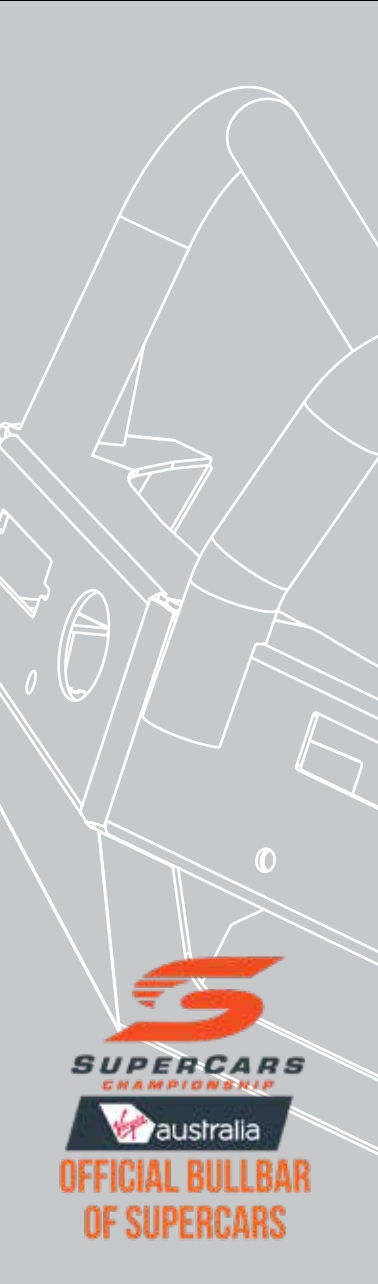


Fitting Guide & Owners Manual

FORD RANGER XLS

05/2019 on

TYPE 8, 63mm SERIES 2 NUDGE BAR & 76mm NUDGE BAR
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES



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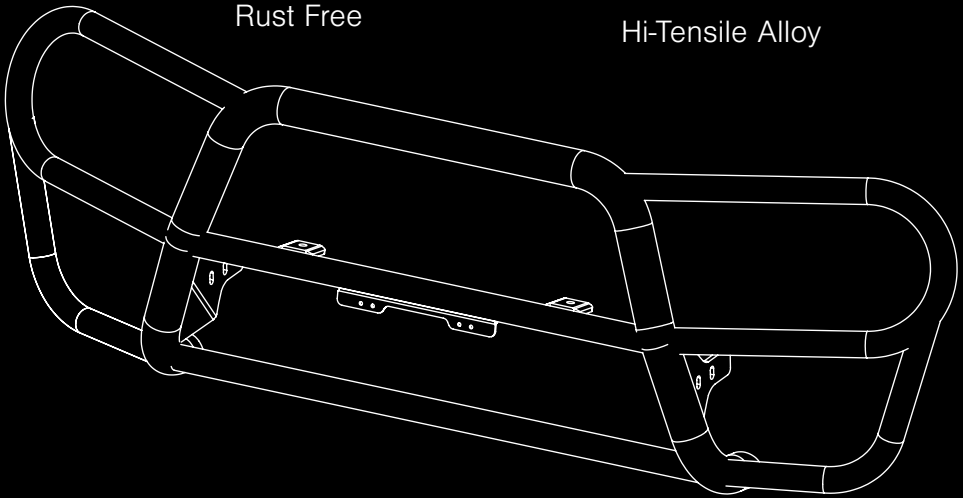
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The Features of ECB

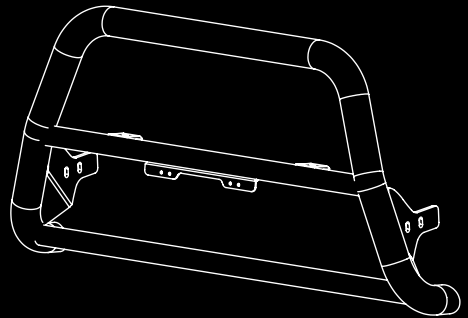
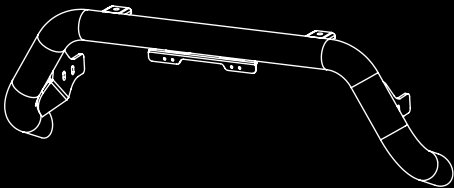
Rust Free

Hi-Tensile Alloy



Unmatched
Strength

Industry Leading
Metal Thickness



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 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 parking brake and lift bonnet.
- Unwrap ECB Protection bar and disconnect mounts. Discard bolts.



Stage 2

- Remove five (5) plastic push pull clips from radiator cover on top of grille.
- Remove radiator cover by sliding hand between radiator cover and radiator support to release clips from front of cover.



Stage 3

- Under front of guards, remove three (3) plastic screw clips, one (1) T25 torx screw and one (1) 8mm head screw from rear corner of bumper/guard join.
- Pull inner guards away from bumper.
- Disconnect fog lights and parking sensor loom (left hand side of vehicle) if required.



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Stage 4

- From top of grille near headlights remove two (2) 10mm head bolts each side. Gently unclip grille from headlight.
- Release clips on each side of the grille by reaching through the inner guard and pressing two (2) clips forward while applying pressure on the grille. (Excludes wildtrak)
- From in front of the car reach behind grille and unclip the five (5) clips along the bottom of the grille behind the bumper. Remove grille. (Excludes wildtrak)



Stage 5

- Under front of bumper, remove four (4) 10mm head bolts.
- From top of the bumper, remove two (2) plastic push pull clips.
- Remove two (2) 8 mm head bolts from front of dams (per/side), one top, one bottom . (Wild track only)



Stage 6

- Gently pull bumper away from guard to release plastic bumper clips.
- Remove bumper from vehicle.
- Disconnect heat sensor, bottom passenger side lower air dam wildtrak.
- Grille to remain in bumper on Wildtrak



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Stage 7

- Remove four (4) plastic pull clip from front plastic support on bumper support. Remove plastic support.
- Retain for refitment.



Stage 8

- Remove four (4) 15 mm head bolts from front of chassis rail.
- Remove bumper support.
- Retain for refitment.



Stage 9

- Remove plastic air dams, two (2) 8mm head bolts per side.



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Stage 10

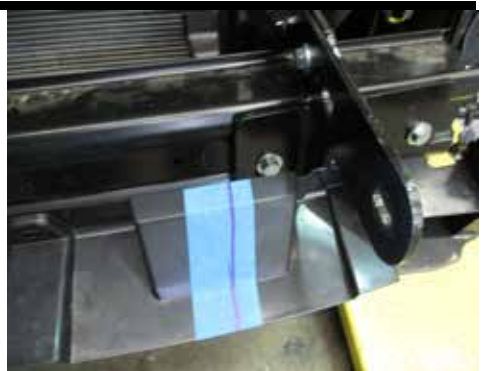
- Working on one side at a time, install ECB steel mounting brackets (supplied) onto front of bumper support using M10 x 1.5 x 50mm bolts, spring washers, flat washers with 10mm spacer (supplied) into the chassis rail. NOTE: ensure 10mm spacer is between bumper support and steel mounting bracket.
- It is important that the mounts are level and lined up square with the body. Ensure distance between the mounts allows for protection bar mount to fit to outside.
- Install rear mounting bracket to front mounting bracket at top using two (2) M10 x 40 bolts, flat washers, spring washers and nuts. In lower hole of rear mounting bracket fit one M10 x 85mm bolt, flat washers and nyloc nut.



NOTE: Should the chassis mount not be level and square, a hammer may need to be used to realign the front of the chassis at the connection points on the vehicle to achieve a level and aligned mount.

Stage 11

- Trim plastic air dam to fit around the ECB steel mounting brackets.
- Refit ALL plastic air dams using original bolts.
- Trim plastic bumper support, refit to steel support using two push pull plugs.



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Stage 12

- Extend parking sensors using 200mm three core wire and solder joiners (supplied).

NOTE: Use a cigarette lighter or similar to heat solder joiners. **Do not overheat.**

- Remove center parking sensors and mounts from bumper and bring forward to protection bar.
- (For Type 8 only) Remove outer sensors from bumper and bring forward to protection bar.



Stage 13

- Reinstall bumper in reverse of steps 2 to 8.
- Ensure wiring extension for sensors is brought through bumper.
- Cover wiring with conduit (supplied).



Stage 14

- Fit ECB protection bar to steel mounting brackets using four (4) M10 x 40mm bolts, flat washers, spring washers and nuts (supplied).
- Align protection bar with vehicle. Refer to photos on pages 12 and 13.
- **TIGHTEN ALL BOLTS.**



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Stage 15

- Connect and check all electrical connections.
- Road test vehicle and check for correct operation of all driver assist features.

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

Fitting Kit

1 - Pair ECB Front Steel Mounting Brackets.	12 - M10 spring washers.
1 - Pair ECB Rear Steel Mounting Brackets.	8 - M10 x 1.5 nuts.
2 - 10mm Spacer plates	2 - M10 x 1.5 nyloc nuts.
2 - M10 x 1.5 x 85mm bolts.	4 - 200mm length three core wire.
4 - M10 x 1.5 x 50 bolts	4 - 200mm lengths convoluted tube.
8 - M10 x 1.5 x 40mm bolts.	24 - Solder joiners.
24 - M10 flat washers.	

Finished Product



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.

Please Post to:

PO Box 122, Margate QLD 4019

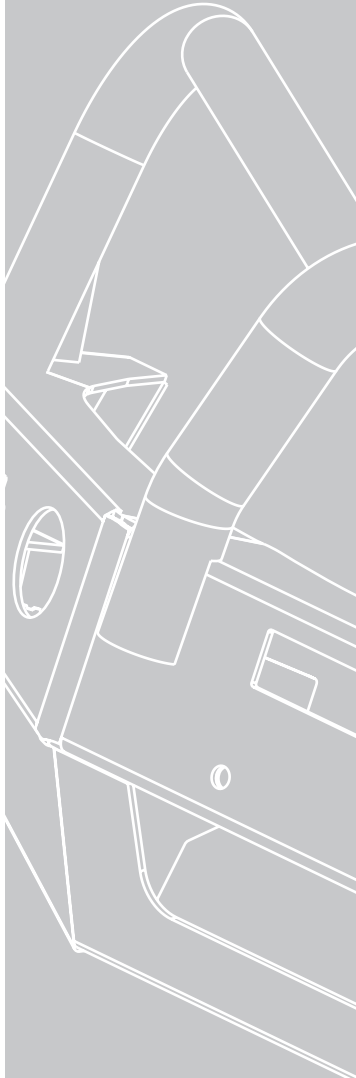
Or Register Online

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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1800 069 145
www.ecb.com.au

Strongest Built Australian Made Lifetime Warranty

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