



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

PN: NB1F29SY



Fitting Guide & Owners Manual

FORD F250

01/17 on Limited

100mm NUDGE BAR
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES



Index

Pages 3-5

ECB's Benefits

Product Care

Pages 6-7

Stage 1 - Vehicle preparation

Stage 2 - Towhook covers / solar unit

Stage 3 - Remove bumper

Stage 4 - Chassis preparation

Stage 5 - Steel mount chassis section

Stage 6 - Radiator top cover

Pages 8-9

Stage 7 - Remove cover

Stage 8 - Remove camera

Stage 9 - Wiring loom reroute

Stage 10 - Refit grille

Stage 11 - Trim plastic towhook covers

Stage 12 - Refit bumper

Pages 10-11

Stage 13 - Refit sonar unit

Stage 14 - Steel mounting angles

Stage 15 - Check measure and centre mounts

Stage 16 - Fit camera

Stage 17 - Install protection bar

Stage 18 - Connect, check and road test vehicle

Pages 12-13

Final Checks & Installation Kit

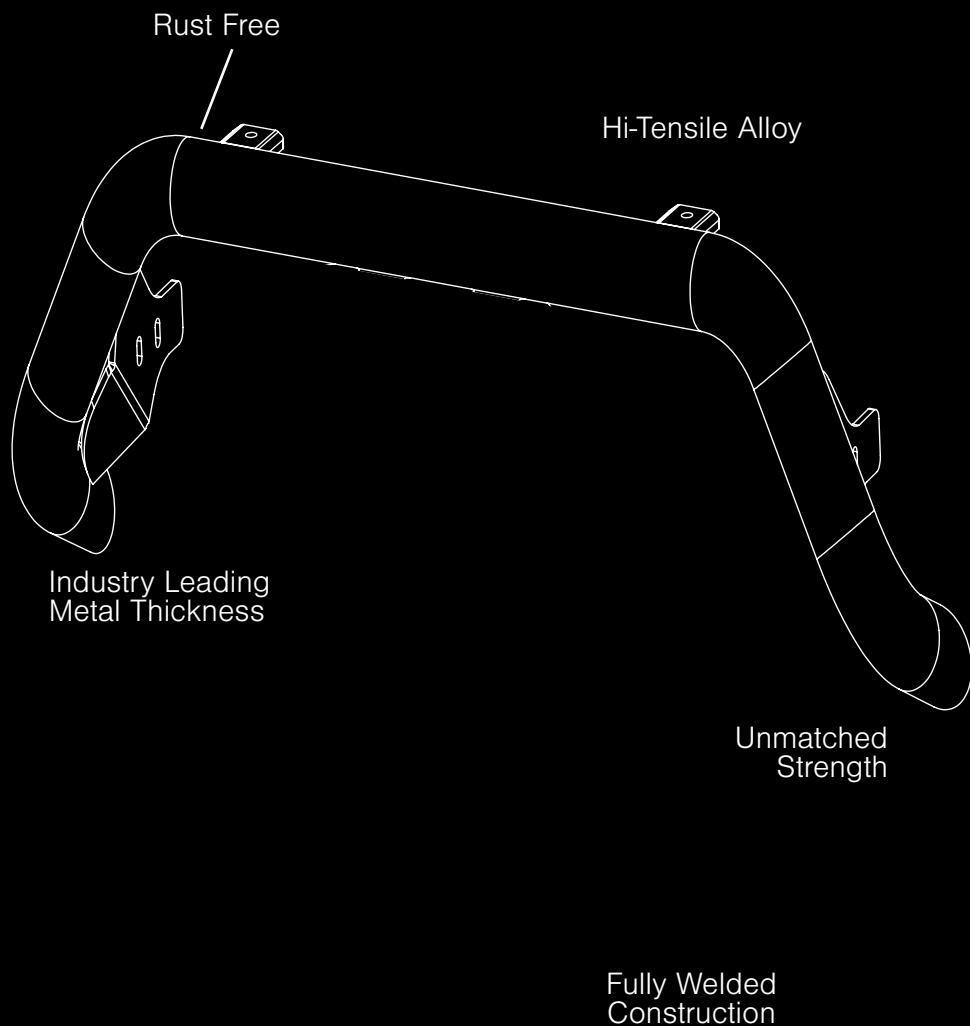
Finished Product

Pages 14-15

Notes

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 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.
- **NOTE:** This bar suits the Limited model or any vehicle fitted with the Ultimate Trailer Tow Camera System option.



Stage 2

- Remove plastic covers from area around tow hooks to access bolts.
- Remove sonar unit, three (3) 11mm head nuts.



Stage 3

- Remove four (4) 18mm head bumper bar bolts from front of chassis per side.
- Remove four (4) 13mm head bolts from bumper stay per side at chassis rail end.
- Unplug fog lights if required and unplug wiring loom from passengers side chassis rail under radiator.
- Remove bumper



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Stage 4

- Loosen four (4) 18mm head bolts from tow hook per side.
- Remove two (2) 18mm head nuts from outside of under run brackets per side.



Stage 5

- Attach ECB steel mounting brackets (supplied) onto outside of chassis rail using two (2) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied) (per side).
- Centralise steel mounting bracket to front of vehicle and **tighten all bolts.**



Stage 6.

- Remove top radiator cover, fourteen (14) push pull clips.



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Stage 7.

- Remove grille by removing eight (8) 10mm head bolts from top of grille then gently pull forward to remove.
- Unplug wiring to camera and washer jet water line from washer unit.



Stage 8.

- Remove camera from grille badge by removing two (2) T20 Torx screws from washer jet.

NOTE: Washer jet has a cover on the front of the badge. Excess extension of washer unit will cause damage.

- Refit camera washer jet unit to grille badge.



Stage 9.

- Reroute wiring loom to gain length for camera in protection bar.



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Stage 10.

- Refit grille using original equipment.
- Pull camera wiring through existing camera hole in grille.



Stage 11.

- Mark and trim plastic from bumper tow hook opening for steel mount to sit flat on bumper face (per side).



Stage 12.

- Refit bumper in the reverse step of 3. Place spacer plates (supplied) between inside of bumper and original equipment chassis bracket to stop bumper twisting out of shape.
- Fit centre bolts only to bumper. Align bumper and **TIGHTEN ALL BOLTS.**



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Stage 13.

- Refit sonar unit using original equipment fastenings.
- Connect wiring.



Stage 14.

- Attach ECB steel angle bracket (supplied) to outside of tow hook where bumper bar bolts were removed using four (4) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied).
- Align vertical in centre of slot hole and **TIGHTEN FIRM ONLY.** Ensure bumper bar is aligned with vehicle.



Stage 15.

- Check measurement of steel angles so protection bar can mount to outside of steel angle mounts. Adjust steel angle mounts in or out if necessary, ensuring steel angle mounts are kept centred on vehicle.
- **TIGHTEN STEEL ANGLE MOUNTS.**



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Stage 16.

- Fit camera to protection bar and fix camera plate with two self tapping screws (supplied).



Stage 17.

- Install protection bar on outside of steel angle mounts using four (4) M10 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied).
- Align protection bar with vehicle. **TIGHTEN ALL BOLTS.**
- Connect and check camera for correct operation.



Stage 18.

- Connect and check all electrical equipment
- Test drive vehicle to ensure all driver assists are working the same as the pre start drive.

Final Checks & Installation Kit

Ensure Number Plate is Clearly Visable

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 steel angle mounts	8 - M12 x 1.75 nuts
1 - Pair steel chassis mount	4 - M10 x 1.5 x 40mm bolts
2 - Steel 8mm spacer plates	8 - M10 flat washers
8 - M12 x 1.75 x 40mm bolts	4 - M10 spring washers
16 - M12 flat washers	4 - M10 x 1.5 nuts
8 - M12 spring washers	2 - 8g x 12 self drilling screws

Finished Product



This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

Warranty Registration

Contact Details

Name: _____

Address: _____

Product: NB1F29SY_____

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

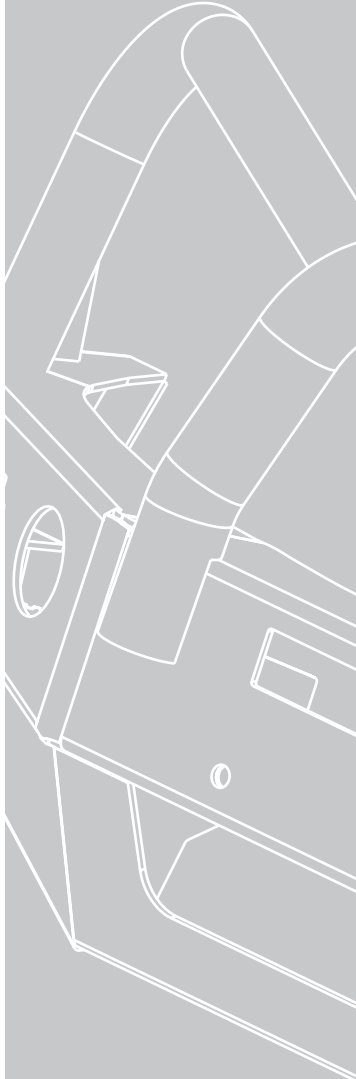
Or Register Online

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



REPLACES: 00.00.00

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1800 069 145
www.ecb.com.au

Strongest Built Australian Made Lifetime Warranty

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