



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

PN: NB1DO19SY



Fitting Guide & Owners Manual

Dodge Ram MY20

06/2019 on

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

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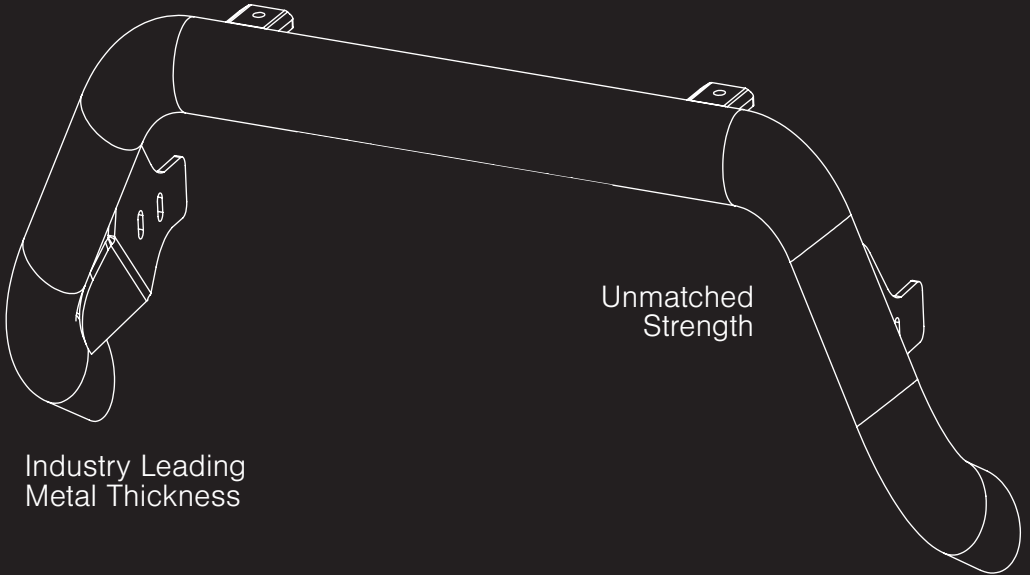
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Notes

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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Ensure you have the correct Protection Bar for your vehicle before you start.

There are some identifying features on this vehicle which should be checked.

1. Recess in centre of bonnet and grille
2. Headlight matches vehicle in picture
3. "1500 Hemi" badge in back corner of bonnet



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/operator.



Stage 2

- Remove twelve (12) push/pull clips from radiator top trim and remove.



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Stage 3

- Remove three (3) 8mm head screws from lower outer side of wheel arch liner, loosen only two (2) inner lower screws from inner edge of wheel arch liner



Stage 4

- Remove four (4) 8mm head screws from wheel arch flare and unclip flare from plastic guard.
- Pull wheel arch liner away from guard and remove one (1) 10mm head bolt from rear wing.



Stage 5

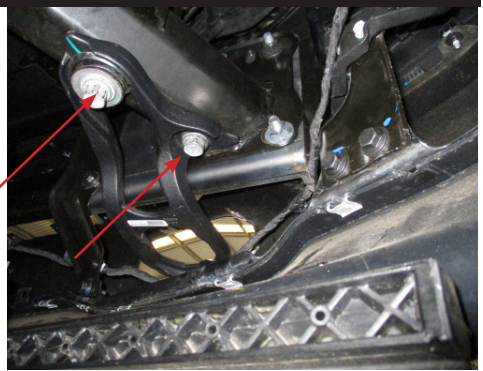
- Unclip plastic filler panel from grille and gently pull out while releasing it away from guard.



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Stage 6

- Remove tow hook by loosening one (1) 21mm head bolt and one (1) 18mm head bolt per/ side, push tow hook rearward to unlocate from rubber stopper on chassis rail.



Stage 7

- From underside of bumper, remove three (3) 18mm head bolts from end of chassis rail (per side).
- Unplug wiring harness from passenger side inner bumper and remove bumper.



Stage 8

- Ensure alloy mounts on ECB Protection bar are square.
- Using measurement to inside of alloy mounts, align steel mount to holes in chassis rails. Ensure steel mount is centralised to vehicle and match required width of alloy Protection bar.
- Using ECB steel mounting bracket as a guide drill lower inner hole through chassis plate on vehicle to 13mm.



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

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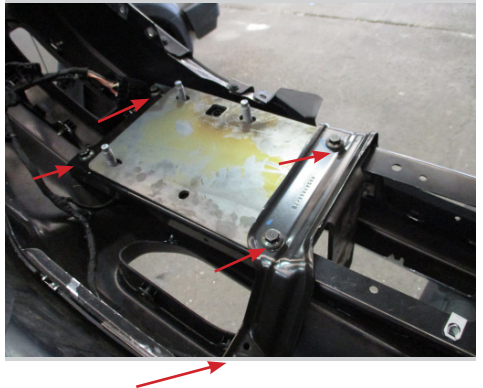
Stage 9

- Using measurement to inside of alloy mounts, mark lower grille to fit around mounts (steel to inside of mark and alloy to outside).
- Carefully trim grille to suit protrusion of steel mounting brackets from vehicle.



Stage 10

- Working on one side at a time remove five (5) 13mm head bolts from bumper support and fit ECB steel mounting onto bumper support using original equipment bolts.
- Centralise mount on bolts and using mount as a guide, drill 13mm hole into bumper support.
- Check measurement between mounts align with measurement previously taken from Alloy protection bar.



Stage 11

- Remove center bumper sensors from bumper and fit into protection bar.
- Extend wiring harness with solder joiners and 300mm length of 3 core wire (supplied).
- Place conduit over extended wiring.



CAUTION: Overheating of connectors will cause the plastic sheathe to melt, while under heating will not melt the solder enough to create a strong connection. Hold joint still until solder is solid for a good join.

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Stage 12

- Refit bumper onto vehicle in the reverse of Stage 8 using original equipment.
- In drilled hole fit one (1) M12 x 1.75 x 40mm bolt, flat washer, spring washer and nut (supplied) (per/side).
- Reconnect wiring harness.
- Refit towhooks using original equipment.



Stage 13

- Refit plastic filler panel and flare using original equipment.



Stage 14

- Fit protection bar onto mounts using two (2) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied) (per/ side).
- Align Protection Bar and **tighten all bolts**.
- Connect sensors and check for correct operation.
- Test drive vehicle to ensure all driver assists work as per manufacturers specifications.



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 steel mounting brackets	12 - Solder joiners
6 - M12 x 1.75 x 40mm bolts	2 - 300mm lengths 3 core wire
12 - M12 flat washers	4 - 200mm zip ties
6 - M12 spring washers	2 - 300mm lengths 10mm conduit
6 - M12 x 1.75 nuts	

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.

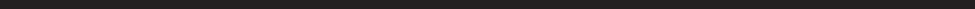
Or Register Online

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.



PN: NB1DO19SY
Please post to PO Box 122,
Margate QLD 4019

Notes

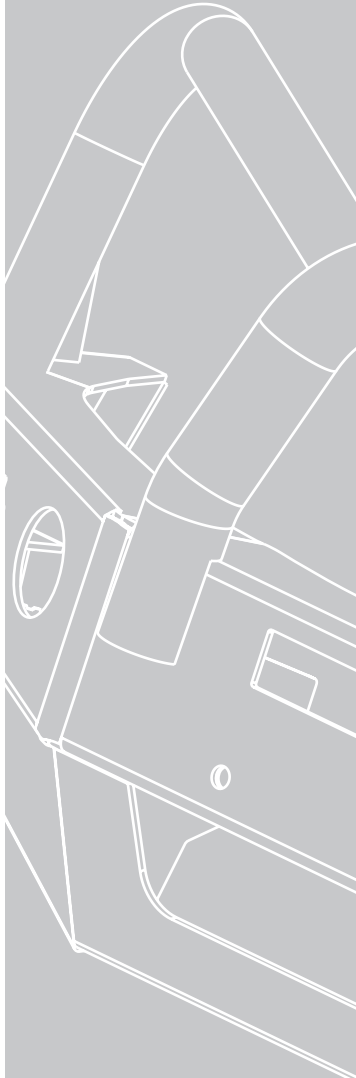


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_____ Full Name

_____ Date

REPLACES: N/A
REVISED: 13.12.19



1800 069 145
www.ecb.com.au

Strongest Built Australian Made Lifetime Warranty

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