



**WORLD'S BEST
ALLOY BULLBARS**

**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN: EADO16SY



Fitting Guide & Owners Manual

DODGE RAM 1500

LARAMIE 01/19 on

Big Tube Bar® Winch Compatible
VEHICLE FRONTAL PROTECTION SYSTEM (VFPS)
FOR AIR BAG & ADR COMPLIANT VEHICLES

**SUPERCARS
CHAMPIONSHIP**

**OFFICIAL BULLBAR
OF SUPERCARS**

Index

Pages 3-5

ECB's Benefits
Product Care

Pages 6-7

Stage 1 - Vehicle testing and preparation
Stage 2 - Remove radiator cover
Stage 3 - Remove grille
Stages 4 to 6 - Remove bumper

Pages 8-9

Stage 7 - Tow hooks
Stage 8 - Bumper trim
Stage 9 - Fit winch frame
Stages 10 to 11 - Install winch
Stage 12 - Underbelly guard

Pages 10-11

Stage 13 to 14 - Headlight wiring
Stage 15 - Grille refitment
Stages 16 to 18 - Protection bar preparation

Pages 12-13

Stages 19 to 21 - Sensor wiring
Stage 22 - Install protection bar
Stage 23 - Guard liners
Stage 24 - Tests and checks

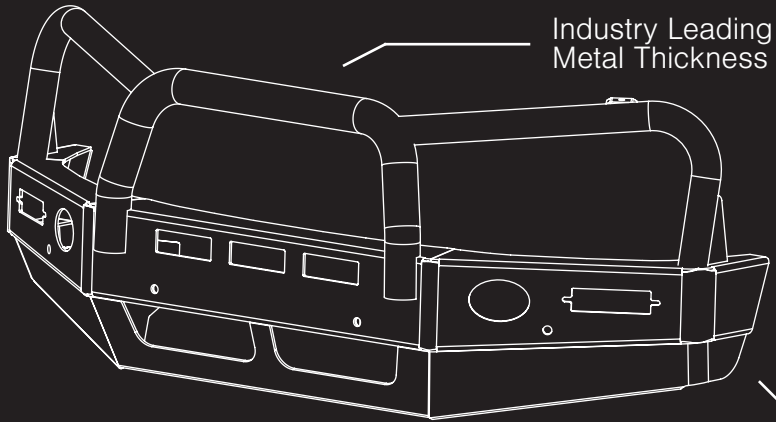
Pages 14-15

Final Checks
Installation Kit
Finished Product
Warranty Registration

Pages 16-17

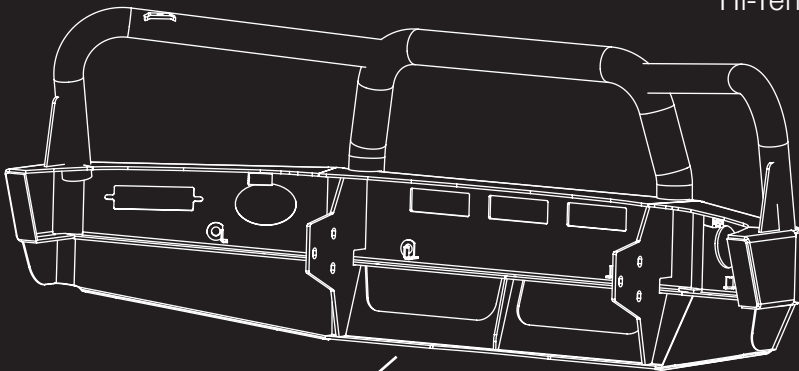
Finished Product
Warranty Registration
Notes

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 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.

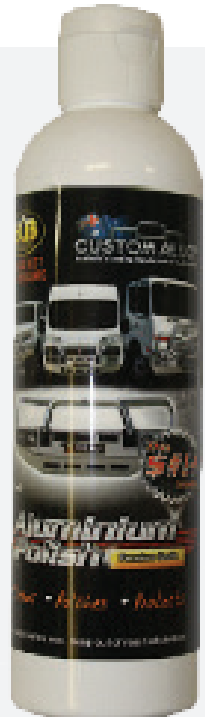
Powdercoated Products

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 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.



Big Tube Bar® Winch Compatible

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.



Stage 2

- Remove six (6) christmas tree plugs from radiator to trim and remove.



Stage 3

- Remove four (4) 10mm head bolts from top of grille.
- Loosen only, two (2) 8mm head bolts between headlight and outer stay on grille.
- Pull gently forward to remove.



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Stage 4

- From underside of bumper, remove three (3) 18mm head bolts from end of chassis rail (per side).



Stage 5

- Unplug wiring loom from passenger side inner wheel arch.
- Disconnect parking lamps.



Stage 6

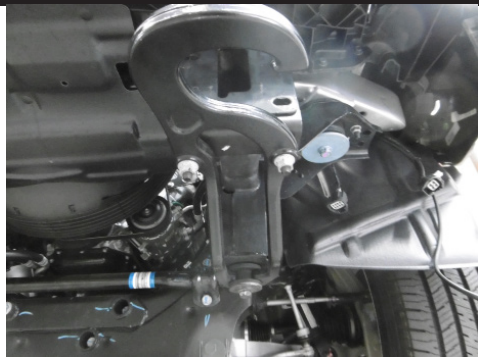
- Pull bumper forward and down to remove.
- Plastic top of bumper remains on vehicle.



Big Tube Bar® Winch Compatible

Stage 7

- Remove tow hooks from vehicle, one (1) 18mm head bolt from rear of towhook.



Stage 8

- With paper masking tape, cover the top of the bumper and flare where bumper is to be cut.
- Using a sharp pair of scissors, carefully cut templates from this instruction. Accurately join the template on the join line marked. Align template to bumper and mark cut line.
- Double check before trim. Carefully trim bumper using a jigsaw or similar.
- Attach 3mm clip lock (supplied) to outer trimmed guard. Trim rear of 3mm clip lock trim across join between guard and flare.



Stage 9

- Install ECB steel mounting bracket (supplied) to end of chassis using four (4) M12 x 1.5 x 35mm bolts, flat washers, spring washers and nuts (per side) (supplied).
- Using steel mount as a guide, drill two (2) 13mm holes in chassis rail through rear holes in mount.
- **Blow filings clear and treat all exposed metal with rust inhibitor.**
- Fit four (4) M12 x 1.5 x 35 mm bolts, spring washer, flat washer and nuts and washer on 300mm wire (supplied).
- **Tighten all bolts.**



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Stage 10

- Fit winch fairlead to front of winch frame. Leave **finger tight only** for further adjustment.
- Following manufactures instructions, install winch to winch frame using bolts supplied with the winch.
- **Tighten all bolts**



Stage 11

- Attach control box to winch control box mount (supplied) using bolts supplied with control box.
- Install control box mount to front of winch frame using two (2) M10 x 1.5 x 35mm bolt ,flat washers, spring washers and nuts supplied. **Tighten all bolts.**
- Wire winch to manufacturers spesifications.



Stage 12

- Remove original equipment underbody guard on passanger side, four (4) 12mm head bolts, retain for refitment.
- Fit ECB underbody guard (supplied) to underbody using two (2) M12 x1.5 x 35 bolt, spring washer and flat washer (supplied). **Finger tighten only.**
- Fit three (3) M6 x 25 bolts, washers and 6mm nyloc nut (supplied) to underbody guard and steel mount.
- Refit rear original equipment underbody guard using original bolts and one (1) M10 x 1.5 x 35mm bolt, spring washer, flat washer and nut and washer on wire to opposite side of guard.
- **Tighten all bolts**



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Stage 13

- Remove headlights, two (2) 10mm head bolts and inside flap in inner guard, release slide clip. Gently pull light to unclip from rear .
- Disconnect harness from headlight



Stage 14

- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied) . Ensure harness is clear of sharp edges and moving parts .
- Connect ECB quick click fog light wiring harness supplied into original wiring harness.
- Refit headlights.



Stage 15

- Refit grille to vehicle using original fixings .
- Secure inside of trimmed bumper using one (1) self drilling screw (per side) (supplied) under front grille. Place screw to rear of bumper section so grille covers as much as possible.
- Fix lower plastic air dam to bottom of grille using three (3) self drilling screws (supplied).



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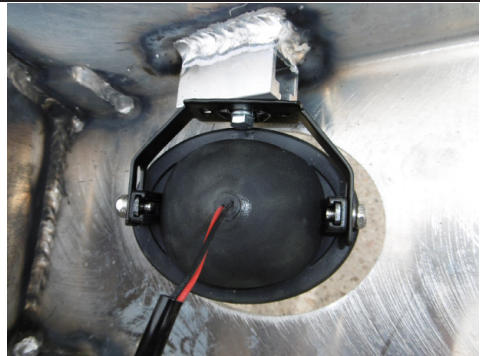
Stage 16

- 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.



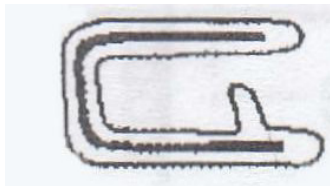
Stage 17

- Attach ECB fog 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 centralise light to hole.
TIGHTEN FIRM ONLY.
- Install fog light surrounds (supplied) to fog light openings, and winch openings at front of protection bar.



Stage 18

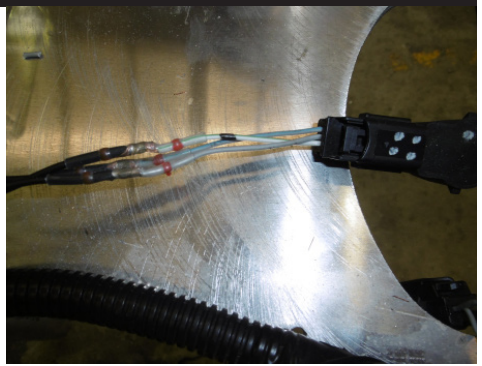
- Attach 6mm clip lock trim (supplied) to top of ECB protection bar. NOTE: Trim off lower edge on an angle so trim will sit flush with end of protection bar.
- Attach 200mm lengths of 6mm clip lock (supplied) to winch cut out.



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Stage 19

- Extend three (3) sensor wiring harness from driver side centre to outer driver side, using single core wire 300mm long and solder joiners (supplied).
- Place wiring in 300mm convoluted tubing (supplied).



Stage 20

- Remove parking sensors and wiring harness from rear of original bumper.
- Secure parking sensor harness and fog light harness into protection bar and secure with 300mm cable ties (supplied).
- Attach fog light quick click harness to fog light wiring.



Stage 21

- 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
- Using a cable ties (supplied) secure sensor in second hole on housing legs. **CAUTION** - Cable tie is for sensor security only. Overtightening cable ties could cause sensors to malfunction.



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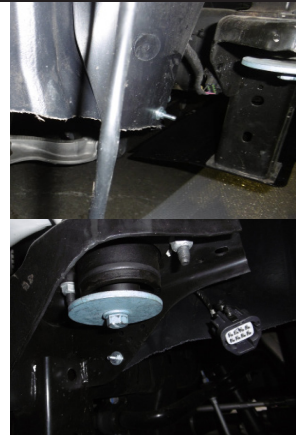
Stage 22

- Install ECB protection bar to steel mounting bracket using eight (8) M12 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied)
- 3mm spacer plates provided for use between steel mount and alloy mount .
- Align protection bar to front of vehicle.
- **Tighten all bolts.**



Stage 23

- Trim guard liner to fit behind end cap of protection bar and neatly across to chassis.
- On driver side, drill 6mm hole into bottom of liner and join to plastic liner in front of liner using M6 x 20mm bolt, washers and 6mm nyloc nut (supplied).
- On passenger side drill into body. Secure with M6 x 20 bolt, flat washers and 6mm nyloc nut. (supplied)
- **Blow filings clear and treat all exposed metal with rust inhibitor.**



Stage 24

- Test park indicators/park lights, fog lights and sensors are working correctly.

Final Checks

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

Installation Kit

1 - ECB steel winch frame	10 - M6 flat washers
1 - Control box mount	3 - M6 spring washers
1 - Alloy underbelly guard	2 - M6 nuts
4 - 3mm alloy spacer plates	5 - M6 nyloc nuts
8 - M12 x 1.5x 40mm bolts	5 - 8g x 20 self drilling screws
14 - M12 x 1.5 x 35mm bolts	1 - ECB indicator/ park light kit
38 - M12 flat washers	6 - Cable locks
22 - M12 spring washers	1 - Fog light kit
16 - M12 x 1.5 nuts	1 - Quick click kit (IC07LC791004ECBH)
4 - M12 x 1.5 nut and washer on 300mm wire	4 - Fog light surrounds
6 - M10 flat washers	1 - 2500mm length 6mm clip lock trim
6 - M10 flat washers	2 - 200mm lengths 6mm clip lock trim
4 - M10 spring washers	2 - 350mm lengths 3mm clip lock trim
2 - M10 x1.5 nuts	9 - 300mm lengths single core wire
2 - M10 x 1.5 nut and washer on 300 wire	18 - Wire solder joiners
4 - M6 x 20mm bolts	3 - 300mm lengths convoluted tubing
3 - M6 x 25mm bolts	6 - 150mm length cable ties
	10 - 300mm length cable ties

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **EAD016SY** _____

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:

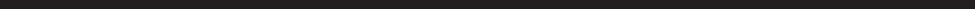
PO Box 122, Margate, QLD 4019

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.



Notes

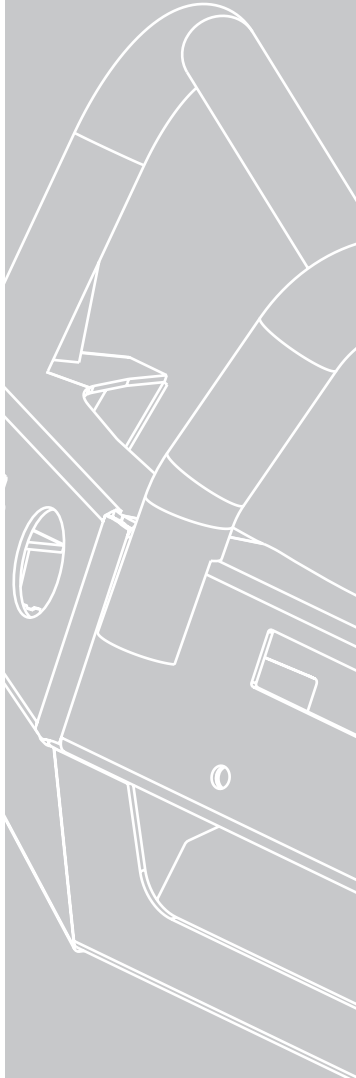


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_____ Full Name

_____ Date

REPLACES: N/A
REVISED: 29.03.19



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Strongest Built Australian Made Lifetime Warranty

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