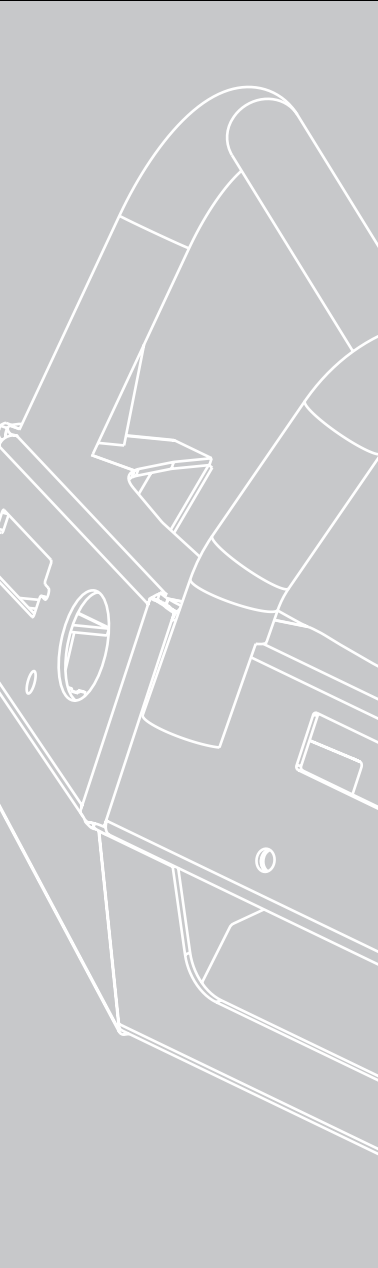




**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:BDO12SY



Fitting Guide & Owners Manual

**DODGE RAM 1500
EXPRESS 07/18 ON**

Winch compatible BIG TUBE 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 Testing and Preparation
Stage 2 - Radiator cover
Stage 3 - Grille removal
Stages 4 to 5 - Bumper cover and reinforcement removal
Stage 6 - Headlight bumper locator removal
Stage 7 - Grille bumper locator removal

Pages 8-9

Stages 8 to 9 - ECB Winch frame and winch installation
Stage 10 - Wiring installation
Stage 11 - Grille and lower air dam refitment

Pages 10-11

Stage 12 - Infill Panel fitment
Stage 13 - Protection Bar lights
Stage 14 - Clip lock trim
Stage 15 - Protection Bar installation
Stages 16 to 17 - Inner guard completion

Pages 12-13

Stage 18 - Underbelly guard
Stage 19 - Vehicle testing
Final Checks & Installation kit

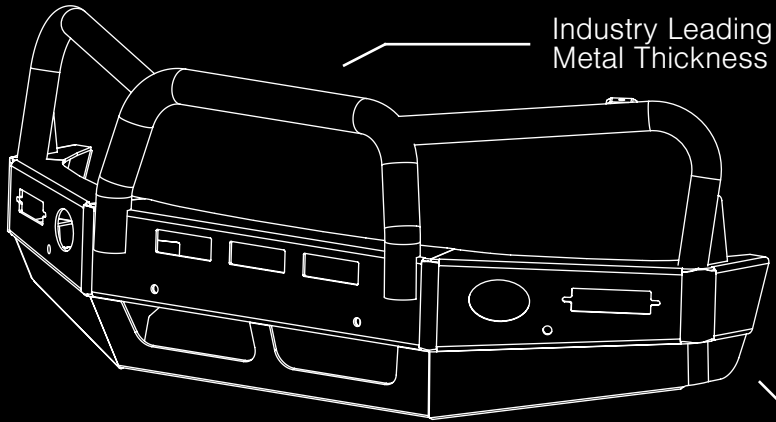
Pages 14-15

Finished Product
Warranty Registration

Pages 16-18

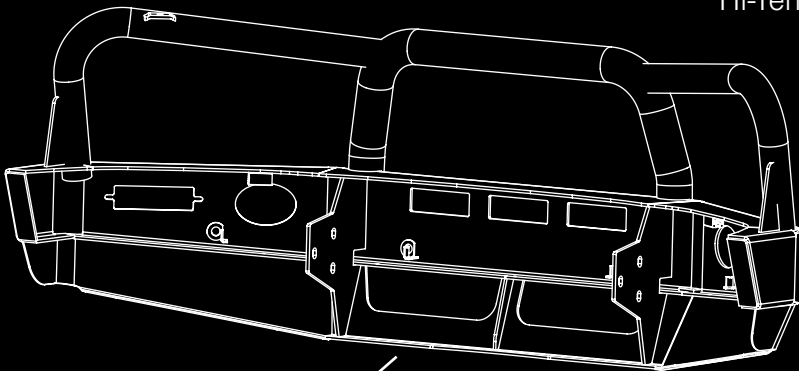
Notes

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.

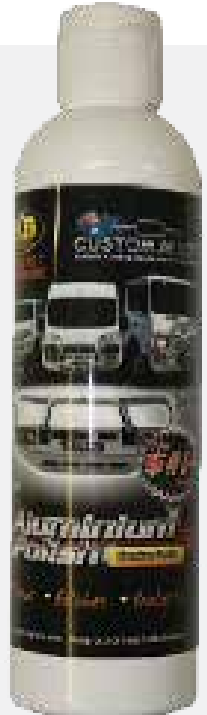
Powdercoated Products

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.



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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.



Stage 2

- Remove Six (6) Christmas tree clips from radiator top trim and remove.



Stage 3

- Remove four (4) 10mm head bolts from top of grille.
- Pull grille forward to remove.



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Stage 4

- From underside of bumper remove four (4) 10mm head bolts, from wheel arch remove two (2) push pull clips and one (1) 8mm head bolt (per side)
- Remove one (1) 10mm head bolt from rear wing to guard.
- Pull bumper forward to unclip from retainers and remove bumper.



Stage 5

- Unplug fog light harness from left hand side of vehicle.
- Remove three (3) 18mm head bolts from end of rail (per side).
- Remove bumper reinforcement.



Stage 6

- Remove three (3) 10mm head screws from under headlight (per side) and remove bumper locator.



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Stage 7

- Remove four (4) 10mm head bolts from center of bumper locator, unclip Christmas tree clips from plastic air dams and remove locator.
- Remove wiring harness from rear of bumper. Using zip ties (supplied) attach wiring harness to cross tube on lower radiator support.



Stage 8

- Install ECB steel winch frame to end of the chassis using three (3) M12 x 1.75 x 35mm bolts, flat washers, spring washers and nuts (per sided) (supplied).
- Using Steel winch frame as a guide, drill two (2) 13mm holes in chassis rail through rear holes in mount and one 13mm hole on top center hole of front plate.
- Blow filings clear and treat all exposed metal with a rust inhibitor.
- Fit four (4) M12 x 1.75 x 35mm bolts, spring washer, flat washers and nuts and washer on 300mm wire (supplied) to drilled holes on inner chassis and one (1) M12 x 1.75 x 35 bolt, flat washer, spring washer and nut for inner centre hole (per side).
- Align mount to body and TIGHTEN ALL BOLTS.



Stage 9

- Fit winch fairlead to front of winch frame. Leave bolts finger tight only for further adjustment.
- Following manufacturers instructions. Install winch to winch frame using bolts supplied with the winch. TIGHTEN ALL BOLTS.

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Stage 9 (Cont'd)

- Fit winch control box to control box mount and install to front of winch frame using two (2) M10 x 1.5 x 35mm bolts, flat washers, spring washers and nuts (supplied). TIGHTEN ALL BOLTS.
- Wire winch to manufacturers specifications.



Stage 10

- 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.

Stage 11

- Refit grille to vehicle using original fixings
- Affix lower plastic air dam to bottom of grille using three (3) self drilling screws.



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Stage 12

- Remove one (1) 10mm head bolt from front of guard under rear of headlight.
- NOTE: this bolt will be body coloured.
- Install Fill panel to removed bolt and fit to guard.
- Align fill panel and tighten all bolts.



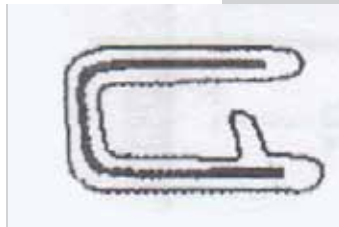
Stage 13

- 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.
- 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 centralize light to hole.
TIGHTEN FIRM ONLY.



Stage 14

- 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.



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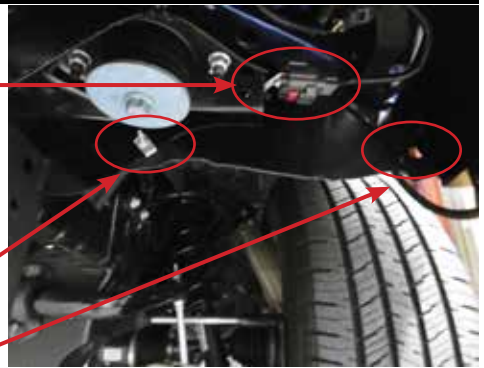
Stage 15

- Install ECB protection bar to Winch frame using ten(10) M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts.
- Align protection bar to front of vehicle.
- TIGHTEN ALL BOLTS.



Stage 16

- On Passenger side of vehicle, relocate wiring harness and connect. zip tie to body where possible.
- Trim guard liner to fit behind end cap of Protection bar and neatly across to chassis rail.
- Affix guard liner to body mount using 10mm head screw and speed clip from lower bumper.
- Drill hole in end cap of vehicle where speed clip on liner is positioned. Fit original 10mm head bolt.



Stage 17

- On drivers side of vehicle, drill 6mm hole through liner and body mount plate.
- Blow filings clear and treat all exposed metal with a rust inhibitor.
- Trim guard liner to fit behind end cap of Protection bar and neatly across to chassis rail.
- Affix guard liner to body mount using 10mm head screw and speed clip from lower bumper.
- Drill hole in end cap of vehicle where speed clip on liner is positioned. Fit original 10mm head bolt.



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Stage 18

- Remove original equipment underbody guard on passenger side, four (4) 12mm head bolts, retain for refitment.
- Fit ECB underbody guard (supplied) to underbody using two (2) M12 x 1.5 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.**

Stage 19

- Test drive vehicle to ensure all driver assists are working to 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 - ECB steel winch frame	1 - M10 x 1.5 nut, washer on 300 wire
1 - Control box mount	3 - M6 x 25 bolts
1 - Pair triangular infill panels	2 - M6 x 20 bolts
1 - Alloy underbelly guard	6 - M6 flat washers
10 - M12 x 1.75 x 40mm bolts	2 - M6 spring washers
12 - M12 x 1.75 x 35mm bolts	2 - M6 nuts
2 - M12 x 1.5 x 35mm bolt	3 - M6 nyloc nuts
46 - M12 flat washers	3 - 8g x 20 self drilling screws
24 - M12 spring washers	1 - ECB indicator / park light kit
18 - M12 x 1.75 nuts	6 - Cable locks
4 - M12 x 1.75 nut and washer on 300mm wire	1 - Fog light kit
	1 - Quick click kit (IC07LC791004ECBH)
3 - M10 x 1.5 x 35mm bolts	4 - Fog light surrounds
5 - M10 flat washers	1 - 2600mm length, 6mm clip lock trim
3 - M10 spring washers	2 - 150mm lengths, 6mm clip lock trim
2 - M10 x 1.5 nuts	10 - 300mm zip ties

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: BD012SY _____

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.

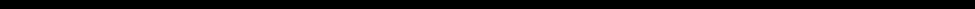
Or Register Online

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



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Notes

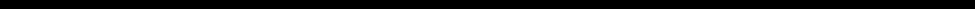


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 Full Name

 Date

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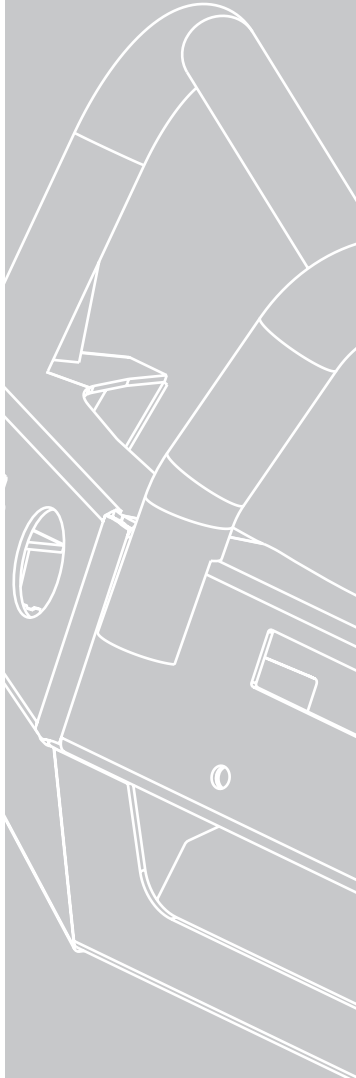


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_____ Full Name

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Strongest Built Australian Made Lifetime Warranty

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