



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN: BDO18SY



Fitting Guide & Owners Manual

**DODGE RAM
WARLOCK (07/20 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
Stage 4 - Headlight removal
Stage 5 - Inner guards
Stage 6 - Disconnect harness

Pages 8-9

Stage 7 - Remove tow hooks
Stage 8 - Remove bumper
Stage 9 - Mount fittment
Stage 10 - Mount fittment
Stage 11 - Underbelly guard
Stage 12 - Winch installation

Pages 10-11

Stage 13 - Electrics
Stage 14 - Refit grille
Stage 15 - Fog light harness
Stage 16 - Indicators/Park lights
Stage 17 - clip lock
Stage 18 - Protection bar fittment

Pages 12-13

Stage 19 - Fog lights
Stage 20 - Trim guards
Stage 21 - Test drive check lights
Final Checks

Pages 14-15

Installation Kit
Finished Product

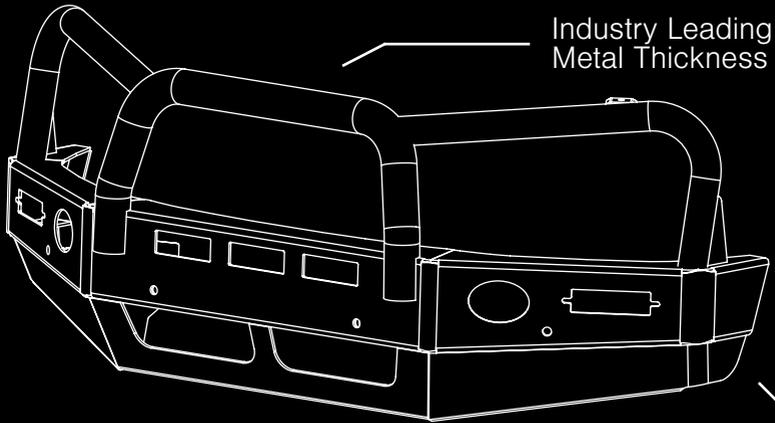
Pages 16-17

Warranty Registration

Pages 18-19

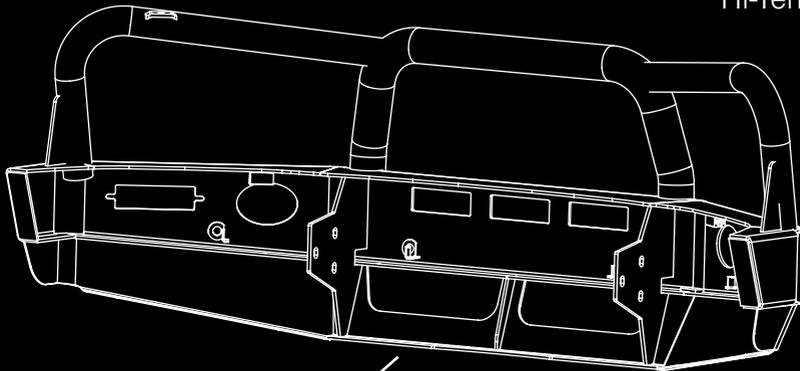
Notes

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 decades 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.



BDO18SY

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 radiator cover, six (6) christmas tree clips.



Stage 3

- Remove grille, four (4) 10mm head screws top of grille.
- Loosen one (1) 8mm screw per side, half way down inside of grille beside headlight.
- Pull grille forward to remove.



DODGE RAM WARLOCK 07/20on

Stage 4

- Remove head lights. From inner guard remove one (1) push pull plug and open flap.
- Push up on retaining clip to release rear of light.
- Front of light remove two (2) 10mm head bolts. Pull lightly forward to release clip at lower rear of light.
- Disconnect headlight and park light harness rear of light.



Stage 5

- Remove three (3) 8mm head screws from inner guard.



Stage 6

- Disconnect fog light harness, on passengers side of vehicle.



BDO18SY

Stage 7

- Remove tow hooks.
- Loosen two (2) front 18mm head nuts.
- Remove one (1) 18mm bolt bottom rear of tow hook (per side).
- Push tow hook to rear to release.



Stage 8

- Remove three (3) 18mm nuts rear of bumper.
- Remove bumper.

CAUTION: Bumper is heavy and awkward.
2 person lift is required.



Stage 9

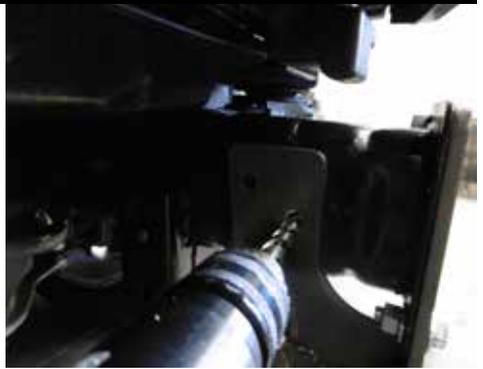
- Install ECB steel winch frame to end of the chassis using three (3) M12 x 1.75 x 35mm bolts, flat washers, spring washers and nuts (per side) (supplied).
- Using Steel winch frame as a guide, drill two (2) 13mm holes in side of chassis rail through rear holes in mount and one 13mm hole on top center hole of front plate.
- **Blow filings clear and treat all exposed metal with a rust inhibitor.**



DODGE RAM WARLOCK 07/20on

Stage 10

- Fit two (2) 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 (supplied) for inner centre hole (per side).
- Align mount to body and TIGHTEN ALL BOLTS.



Stage 11

- Fit under belly guard using two (2) M12 x 1.5 x 35mm bolt, flat washers and spring washers (supplied).
- Front of guard secure with M6 X 25mm bolts, M6 flat washers and M6 nyloc nuts (supplied).
- Rear holes three (3) M6 bolt and washer on 300mm wire, flat washers and nyloc nuts (supplied).
- Align and tighten all bolts.



Stage 12

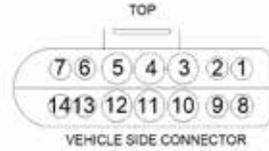
- Install winch into ECB winch frame as per instructions supplied by the winch manufacturer.



BDO18SY

Stage 13

- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Ensure harness is clear of sharp edges and moving parts.



| PIN | COLOUR | USE |
|-----------------|---------------|----------------|
| HEADLIGHT CLIP | | |
| 12 | WHITE/ TAN | INDICATOR |
| PARK LIGHT CLIP | | |
| 1 | WHITE/ ORANGE | PARKING LIGHT |
| 2 | BLACK | EARTH (GROUND) |

Stage 14

- Refit grille in reverse as per steps two to four.



Stage 15

- Remove fog light harness from bumper and place into protection bar and secure with zip ties.



DODGE RAM WARLOCK 07/20on

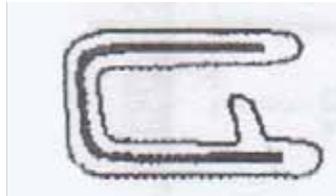
Stage 16

- 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 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.



Stage 18

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



BDO18SY

Stage 19

- 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. Large side of surround to inside of opening on lights and to rounded side of winch openings.



Stage 20

- Trim inner guards
- Remove speed clips from bumper and use to secure upper and lower inner guards together using original 8MM screws from bumper.



Stage 21

- Test drive vehicle to ensure all driver assists are working to manufacturers specifications.

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

| | |
|--|---|
| 1 - ECB Winch frame | 2 - M6 x 20mm Bolts |
| 1 - Control box mount | 3 - M6 x 25mm Bolt & washer on 300mm wire |
| 1 - Alloy underbelly guard | 9 - 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 Bolts | 6 - M6 Nyloc nuts |
| 44- M12 Flat washers | 1 - ECB indicator / park light kit |
| 24- M12 Spring washers | 6 - Cable locks |
| 18 - M12 x 1.75 nuts | 1 - Fog light kit |
| 4 - M12 x 1.75 nuts & washer on 300mm wire | 1 -Quick click kit (IC10D40S1004ECBH) |
| 2 - M8 x 30mm bolts | 4 - Fog light surrounds |
| 4 - M8 Flat washers | 1 - 2600mm length, 6mm clip lock trim |
| 2 - M8 Nyloc nuts | 2 - 150mm lengths, 6mm clip lock trim |
| 3- M6 x 25 bolts | 10 - 300mm zip ties |

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **BD018SY** _____

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.

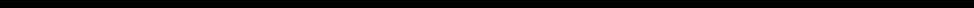
Register Online

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: BDO18SY
Please post to: PO Box 122,
Margate QLD 4019

Notes

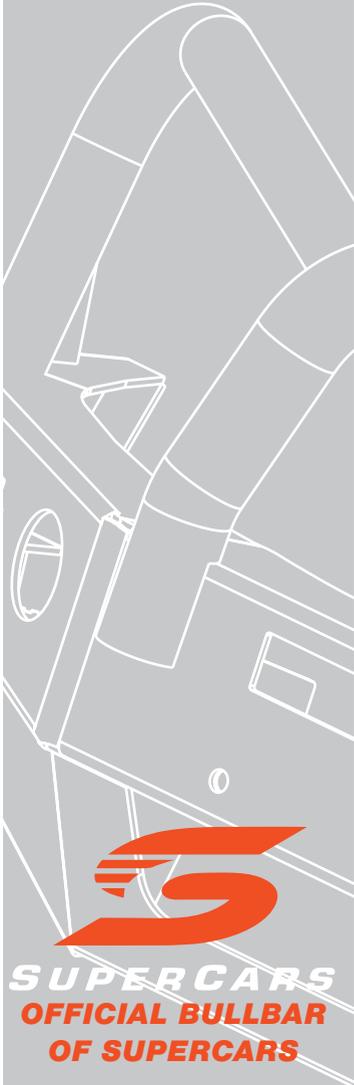


A series of 18 horizontal lines spaced evenly down the page, providing a template for writing notes.

 Full Name

 Date

REPLACES: N/A
REVISED: 28.08.20



SUPERCARS
OFFICIAL BULLBAR
OF SUPERCARS

1800 069 145
www.ecb.com.au

Strongest Built Australian Made Lifetime Warranty

29 Snook St, Clontarf QLD 4019
PO Box 122, Margate QLD 4019