



**WORLD'S BEST
ALLOY BULLBARS**

**Strongest Built
Australian Made
Lifetime Warranty**

BMB62SY



Fitting Guide & Owners Manual

MERCEDES SPRINTER

11/2018on

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



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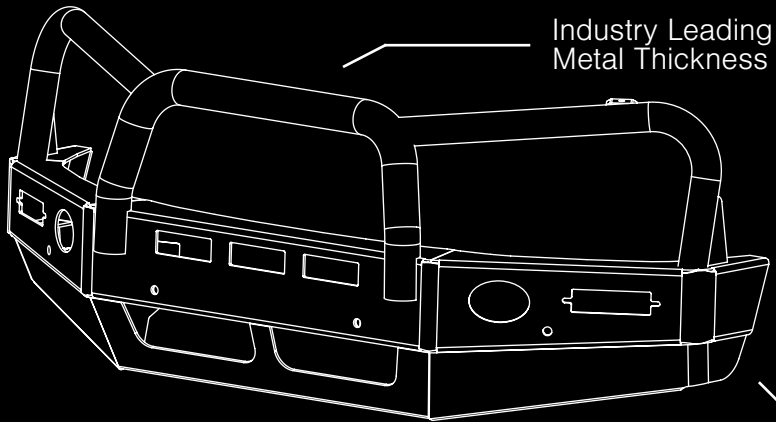
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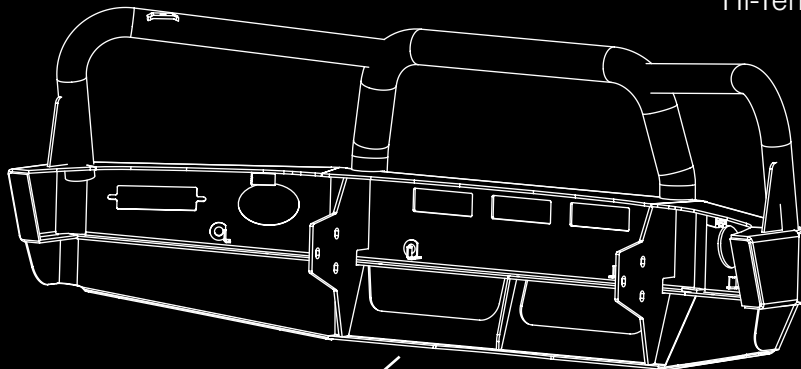
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Notes

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. In fact 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. Within our decades 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.



Big Tube Bullbar

Stage 1

- Test drive vehicle to ensure all driver assists are correctly working and to gauge effectiveness. Park on a flat level surface.
- Take particular note of camera alignment and wheel placement markings as camera is moved and will need to be realigned.
- 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 three (3) T25 Torx screws and four (4) push-pull clips from top of grille. Remove grille by pushing down on four (4) lower clips and gently pulling forward.
- From step remove two (2) T45 torx screws.



Stage 3

- Remove five (5) plastic push pull clips (per side) from side wing and wheel arch of vehicle. Gently remove wheel arch and splash guards from behind sides of bumper.
- Reach in behind bumper disconnect parking sensors and temperature sensor on left hand side and camera in middle of bumper. Carefully remove bumper.



Mercedes Sprinter 10/18on

Stage 4

- Remove camera from bumper remove one (1) T25 Torx screw and remove housing, on outer sides of mount use small screw driver to release rear of mount and remove camera .
- Remove parking sensor harness from bumper, retain for fittment into protection bar.
- Remove sonar from its housing by pushing up on top retainer clip and disconnect from harness.



Stage 5

- Measure template before cutting to ensure correct. Cut out template and join.
- Mask bumper where marking and cutting will occur. Using template supplied carefully mark out and cut bumper to match photos.
- Double check all measurements before cutting. **CAUTION:** Measure template as some printers may vary .



Stage 6

- Remove four (4) 13mm head bolts (per side) from bumper support.
- Install ECB steel mounting brackets by sliding over end to steel bumper support. Attach using M8 x 1.25 x 40mm bolts, flat washers and spring washers (supplied) into captive nuts. **TIGHTEN ALL BOLTS.**
- Using ECB protection bar outside to outside to inside to inside on steel mounts, align and centralise steel mounting brackets on vehicle.
- On underside of chassis rail in rear hole, install M12 x 1.5 x 50mm bolt, flat washer and spring washer into captive nuts (supplied).
- Using steel mounting bracket as a guide, drill front hole under chassis to 10mm. Install M10 x 1.5 x 40mm bolt and washer on wire, flat washer, spring washer and nut (supplied).



NOTE : BLOW ALL FILINGS CLEAR AND TREAT ALL EXPOSED METAL WITH A RUST INHIBITOR.

Big Tube Bullbar

Stage 7

- Install sensor harness into protection bar and secure with zip ties (supplied).
- Place camera in protection bar then secure using rear mounting bracket (supplied) with two (2) M6 x 20 bolts, flat washers and nyloc nuts (supplied).
- **Finger Tighten** nyloc nuts enough so adjustment can be made after fitment of protection bar .



Stage 8

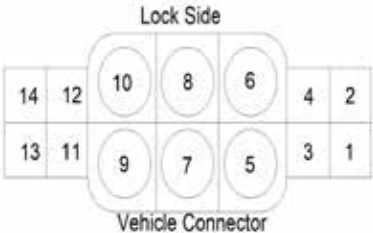
- Fit sonar unit to sonar bracket (supplied) and secure sonar cover to sonar bracket using four (4) M6 x 20 bolts, flat washers and nyloc nuts (supplied)
- Secure bracket to protection bar using four (4) M6 x 25 bolts, flat washers and nyloc nuts (supplied). **Tighten all bolts.**

CAUTION: This sensor needs to be within certain angles of the vehicle to be able to work. Within 3 deg of perpendicular to front/rear center of the vehicle and 2 degrees of vertical. **If the sensor is not with these limits, the vehicle will drive for approx. half hour then tell the operator it has reduced brake assists.**



Stage 9

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



Pin Number	Wire colour	Wire use
1	Black/ Green	Indicator
5	Brown	Ground
6	Yellow / Red	Park
3	Green Red	DRL

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Stage 10

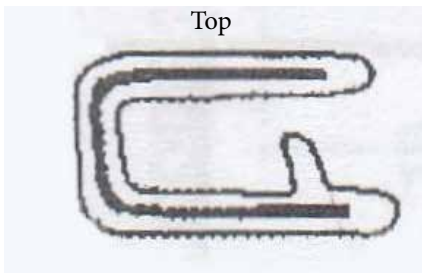
- Fit ECB LED indicator / park lights / DRL into protection bar as per instructions supplied with the LED indicator kit. NOTE: Ensure park light is to top.



Stage 11

- 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.



6mm Black clip lock trim

Stage 12

- Refit bumper to vehicle as per reverse of steps 2 and 3

Big Tube Bullbar

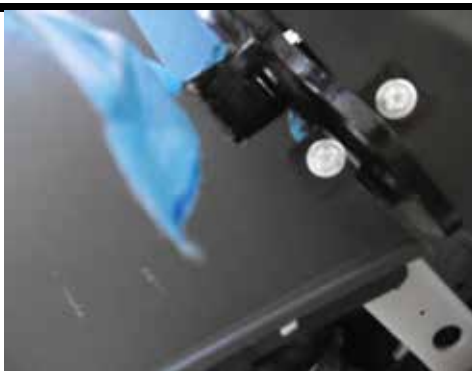
Stage 13

- Fit protection bar to steel mounting brackets using M12 x 1.5 x 40mm bolts, flat washers, spring washers and nuts (supplied). **FINGER TIGHTEN ONLY**
- Align protection bar with vehicle. **TIGHTEN ALL BOLTS .**



Stage 14

- Using mount as a guide, drill four (4) 6mm holes in bottom of bumper. Under vehicle secure bumper to steel mounting brackets using four (4) M6 x 25 bolts, flat washers and nyloc nuts (supplied).



Stage 15

- Connect camera, lights and parking sensors and test.
- Adjust camera so image on screen matches to side camera. Check camera in forward gear to ensure drive guides are correctly positioned.
- Test drive vehicle to ensure correct operation of electronic equipment.

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 ECB steel mounting brackets (YBMB61SY)	2 - M10 x 1.5 nuts
4 - Angle brackets	8 - M8 x 1.25 x 40mm bolt
1 - Camera rear mount (NBMB61_VA2A)	8 - 5/16 x 1 flat washers
1 - Sonar mount (BMB61_V2A)	8 - M8 spring washer
1 - Plastic sonar cover (BMB61_A2PL)	8 - M6 x 25 bolt
2 - M12 x 1.5 x 50mm bolts	6 - M6 x 20 bolt
6 - M12 x 1.5 x 40mm bolts	28 - M6 flat washer
14 - M12 flat washers	14 - M6 nyloc nut
8 - M12 spring washers	1 - ECB Indicator / Park Light / DRL kit
6 - M12 x 1.5 nuts	8 - Cable locks
2 - M10 x 1.5 x 40mm bolt and washer on 300mm wire	1 - 2450mm length 6mm clip lock trim
2 - M10 flat washers	10 - 300mm Zip ties
2 - M10 spring washers	

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: **BMB62SY** _____

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.

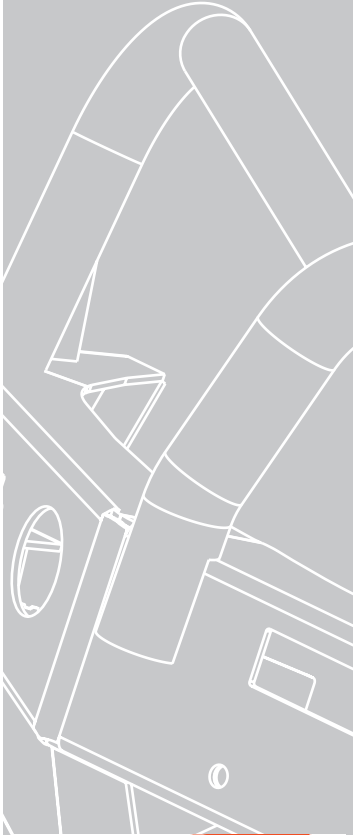


PN: BMB62SY
Please post to PO Box 122,
Margate QLD 4019

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Strongest Built Australian Made Lifetime Warranty

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