



**Safer  
Lighter  
Stronger**

PN: BMB63SY



# Fitting Guide & Owners Manual

**MERCEDES-BENZ SPRINTER**

**FRONT WHEEL DRIVE**

**10-2020 on**

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 - Remove Bumper Screws  
Stage 3 - Remove Bumper and Grille  
Stage 4 - Remove Camera and Sonar Unit  
Stage 5 - Trim Bumper  
Stage 6 - Bumper Support

## **Pages 8-9**

Stage 7 - Loosen AdBlue Bottle  
Stage 8 - Install ECB Steel Mounts  
Stage 9 - Lock Support Bracket  
Stage 10 - AdBlue Bottle Refitment

## **Pages 10-11**

Stage 11 - Camera Installation  
Stage 12 - Sonar Unit Fitment  
Stage 13 - Light Wiring  
Stage 14 - Indicator/ Park Fitment  
Stage 15 - Clip Lock Trim Installation  
Stage 16 - Refit Bumper and Grille

## **Pages 12-13**

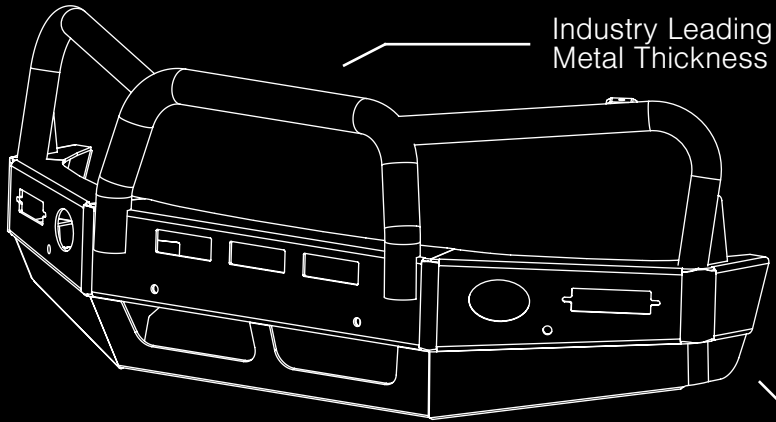
Stage 17 - Install Protection Bar  
Stage 18 - Connect, Check and Test.  
Final Checks & Installation Kit

## **Pages 14-15**

Finished Product  
Warranty Registration

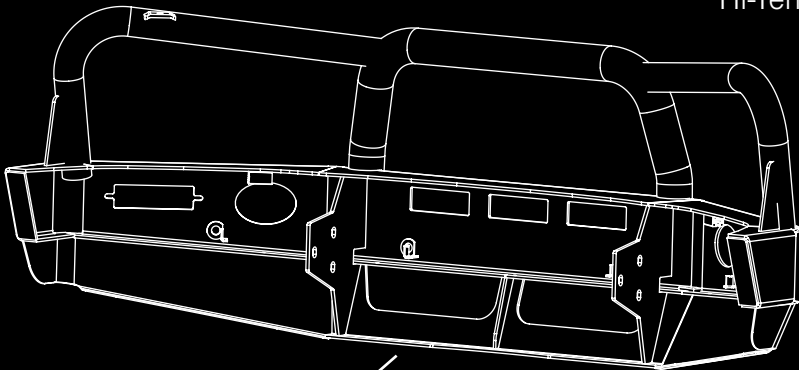
# The Features of ECB

---



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. Within our decades 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.



# BMB63SY

## 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 FWD

## 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 fitment 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 and (1) 10mm head bolt from sonar mount and remove.



# BMB63SY

## Stage 7

- Remove (2) 13mm head bolts from Adblue tank on chassis rail.
- Loosen only top bolt at this stage and allow to hang.



## Stage 8

- Install ECB steel mount onto chassis rails and fix with original bolts.
- Using mount as a guide drill 12mm holes into rail on underside. Drivers side front hole drills all the way through towhook reinforcement inside chassis rail.
- On driver side drill hole into front of rail to allow bolt on wire to access. Fix with M12 X 40 bolt and washer on wire, M12 flat washer, spring washer and nut, repeat on passenger side. On driver side front hole, fix with M12 X 60 bolt and washer on wire, flat washer, spring washer and nut.
- Align and centralise steel mounting brackets on vehicle. **TIGHTEN ALL BOLTS.**



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





# Mercedes Sprinter FWD

## Stage 9

- Align and tighten all bolts.
- Fix original sonar housing to steel mount with M6 x 30 bolt flat washers and nyloc nut.



## Stage 10

- Trim area from side of Adblue tank to fit around front bolt on steel mount .
- Refit lower mounting points using M8 x 40 bolts, spring washers, flat washers and 30 x 8 x 10 steel spacer washers under Adblue tank.
- Tighten all bolts.



# BMB63SY

## Stage 11

- 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).
- **Tighten** nyloc nuts enough so adjustment can be made after fitment of protection bar .



## Stage 12

- Fit sonar unit to sonar bracket (supplied) and secure sonar plastic 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.**

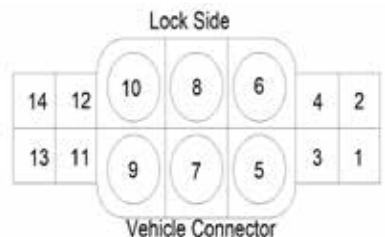
**CAUTION:** This sensor needs to be within certain angles of the vehicle to be able to work. Within 3 deg of perpendicular to front/ rear center of the vehicle and 2 degrees of vertical. **If the sensor is not within these limits, the vehicle will drive for a period of time then tell the operator it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



## Stage 13

- 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



# Mercedes Sprinter FWD

## Stage 14

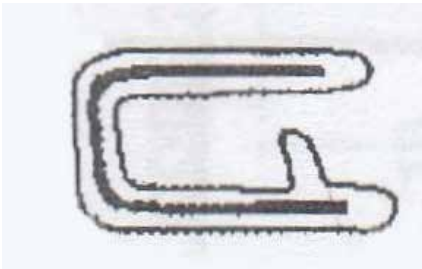
- Fit ECB LED indicator / park lights / DRL into protection bar as per instructions supplied with the LED indicator kit. NOTE: Ensure park light is to top.



## Stage 15

- 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 16

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

(For ease of fitment attach grill to bumper and fit as one)



# BMB63SY

---

## Stage 17

- 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 18

- 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 - ECB steel mounting bracket (YBMB63SY)	3 - M8 flat washers
3 - Steel washers round 30 x 8 x 10mm	3 - M8 spring washers
1 - Camera rear mount (NBMB61_VA2A)	1 - M6 x 30mm bolts
1 - Sonar mount (BMB61_V2A)	4 - M6 x 25mm bolts
1 - Plastic sonar cover (BMB61_A2PL)	6 - M6 x 20mm bolts
3 - M12 x 1.5 x 40mm bolt and washer on wire	22 - M6 flat washer
1 - M12 x 1.5 x 60mm bolt and washer on wire	11 - M6 nyloc nuts
16 - M12 flat washers	1 - 2450mm length 6mm clip lock trim
10 - M12 spring washers	1 - ECB Indicator / Park Light / DRL kit
10 - M12 x 1.5 nuts	8 - Cable locks
3 - M8 x 1.25 x 40mm bolts	10 - 300mm Zip ties

# Finished Product

---



# Warranty Registration

---

## Contact Details

Name: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Product: **BMB63SY** \_\_\_\_\_

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](http://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](http://www.ecb.com.au).

## Or Post To:

PO Box 122, Margate, QLD 4019



REPLACES: N/A  
REVISED: 29.09.21



1800 069 145  
[www.ecb.com.au](http://www.ecb.com.au)

**Safer  
Lighter  
Stronger**

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