



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN:BM33SY



Fitting Guide & Owners Manual

Mitsubishi ASX MY20

09/2019 on

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

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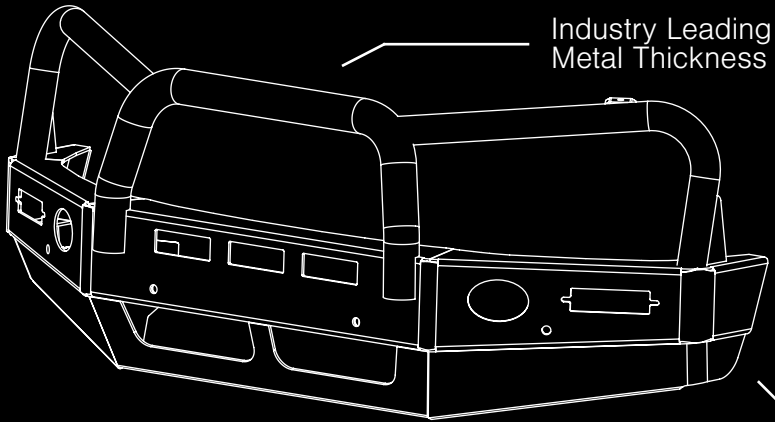
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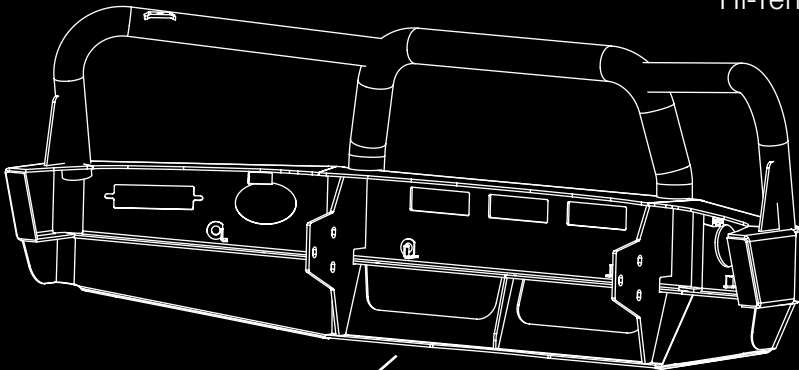
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The Features of ECB



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.

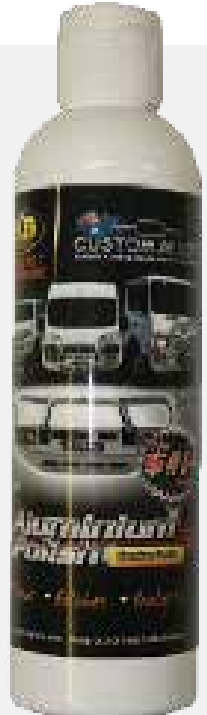
Powdercoated Products

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 top grille cover ten (10) push pull clips.



Stage 3

- Remove front grille, two (2) push pull clips either side of head lights.
- Gently pull grille forward and remove.
- Remove five (5) 10mm head bolts top of bumper.
- Unplug fog light harness below bonnet release latch.



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Stage 4

- From centre lower bumper remove two (2) 10mm head bolts.



Stage 5

- On underside of bumper remove eleven (11) push pull clips.



Stage 6

- Remove flare from guard, one (1) 10mm head bolt.
- Gently pull flare away from guard.
- Remove three (3) push pull plugs (one top of wheel arch).



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Stage 7

- Gently pull rear of wing away from vehicle and remove bumper.



Stage 8

- Drivers side, remove push pull plugs from inner guard to allow access to three (3) 12mm head bolts securing water bottle.
- From the top of the water bottle remove the push pull clip and remove the filler neck. Disconnect the wiring, hoses and drain the tank.
- Unscrew three (3) 12mm head bolts, lift slightly and remove.



Stage 9

- Working one side of the vehicle at a time, remove four (4) 12mm head bolts from the bumper support to the chassis rail. Pull bumper support away from vehicle and slide the ECB steel mounting brackets (supplied) between the bumper support and the chassis rail. Install using M8 x 30mm bolts, spring washers and flat washers (supplied).



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Stage 10

- Passenger side only, remove 10mm head bolt retaining the earth wire.
- Align the side support mounting brackets (supplied) with the slots on the main mount, clamp into position and drill two (2) 10mm holes in each side into top flanges of the chassis rail.

Blow filings clear and treat all exposed metal with a rust inhibitor.



Stage 11

- Secure with M10 x 40mm bolts, flat washers, spring washers and nuts (supplied).
- On drivers side, place in upper support spacer (supplied) between mount and chassis.
- Lower hole secure with M8 x 45mm bolts, large flat washer and spring washer (supplied).



Stage 12

- Secure side supports to main steel mount using M10 x 40mm bolts, flat washers, spring washers, washer plate (supplied) to outer and nuts.
- Reconnect earth wire on passenger side using original 10mm head bolt.
- Inside measurement of steel should match outside measurement of Protection bar. Ensure mounts are well clear of radiators. (Mounts on development vehicle had 3mm between mounts and radiators on each side). **Tighten all bolts.**
- Align mounts and **tighten all bolts.**



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Stage 13

- Replace the water bottle using original equipment fasteners.

NOTE: top hole may need to be enlarged to inside for correct fit.



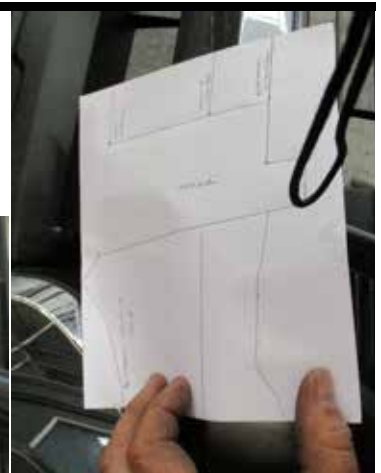
Stage 14

- 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 bumper light wiring harness (supplied) into original wiring harness.
- Drill a 30mm hole beside fog light to allow for Indicator/park/DRL and fog light harness.



Stage 15

- Mask area to be cut to avoid any excess damage. Double check area to be trimmed before cutting.
- Cut bumper to allow steel mounts to protrude using template provided.



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Stage 16

- Refit bumper in reverse as per steps 2 to 7.
- Don't fit push pull clips to underside at this stage. So access can be made to secure to rear holes.
- Pull wiring for Indicators/park/DRL and fog lights through 30mm holes.



Stage 17

- 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 18

- Attach ECB bumper 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.
- Install bumper light surrounds (supplied) to bumper light openings and winch openings. Large side of surround to inside of opening on lights and to rounded side of winch openings.



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Stage 19

- 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 20

- Install ECB protection Bar to steel mounting brackets using M12 x 40mm bolts, flat washers, spring washers and nuts (supplied). Align Protection bar and tighten all bolts.
- Two (2) rear bolts accessible from under bumper.



Stage 21

- Refit under side of bumper.
- Connect and test all lights for correct operation.
- Test drive vehicle to ensure all driver assists work as per 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.**

Installation Kit

1 - Pair front mounting brackets	8 - M8 x 1.25 x 30mm bolts
1 - Pair side support brackets	2 - M8 x 1.25 x 45mm bolts
1 - Upper support bracket spacer(BM31SY_B8MS)	10 - 5/16" x 1 1/4" flat washers
2 - Upper washer plates(BM31SY_A3MS)	10 - M8 spring washers
2 - Lower washer plates(BM31SY_B3MS)	2 - M6 x 20mm bolts
6 - M12 x 1.75 x 40mm bolts	2 - M6 spring washers
12 - M12 flat washers	2 - M6 nuts
6 - M12 spring washers	1 - Indicator/park/DRL kit
6 - M12 x 1.75 nuts	1 - Bumper light kit
12 - M10 x 1.25 x 40mm bolts	1 - Quick Click fog kit
24 - M10 flat washers	8 - Cable locks
12 - M10 spring washers	2 - Bumper light surrounds
12 - M10 x 1.25 nuts	1 - 2260 mm length 6mm clip lock

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: _____

Email: **BM33SY** _____

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

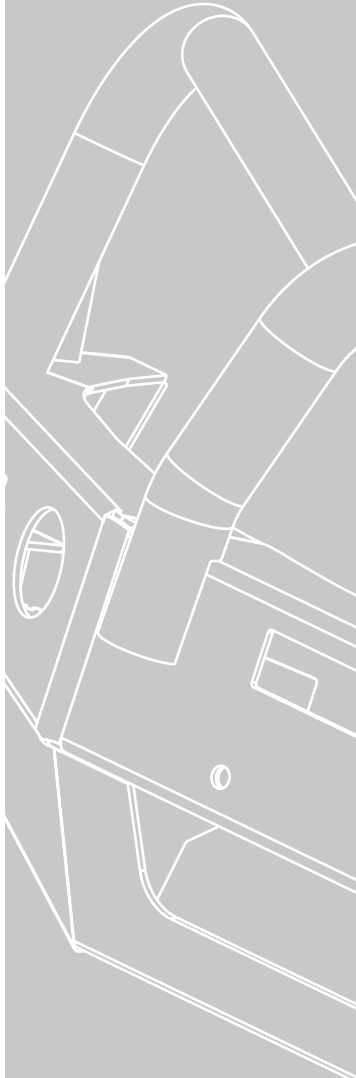
PO Box 122 Margate QLD 4019.

Or Register Online

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



REPLACES: N/A
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Strongest Built Australian Made Lifetime Warranty

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