



**Lighter
Stronger
Better!**

**Strongest Built
Australian Made
Lifetime Warranty**

PN No: BHU102SY

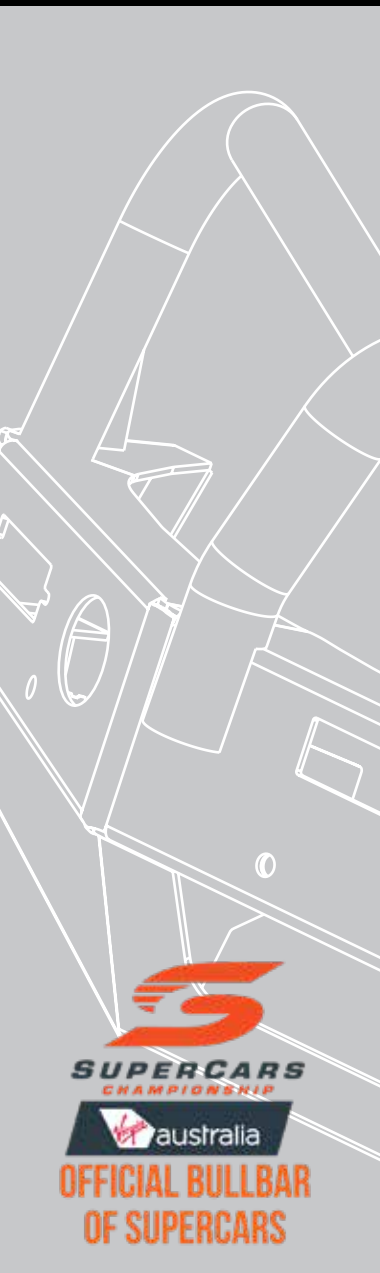


Fitting Guide & Owners Manual

HYUNDAI TUSCON

MY19 06/18on

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



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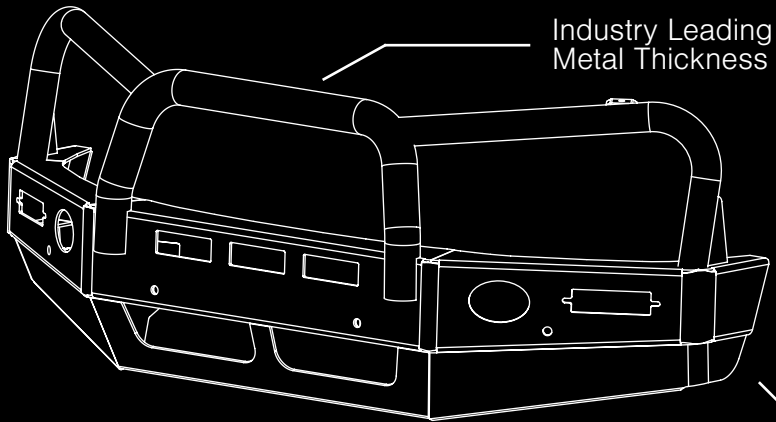
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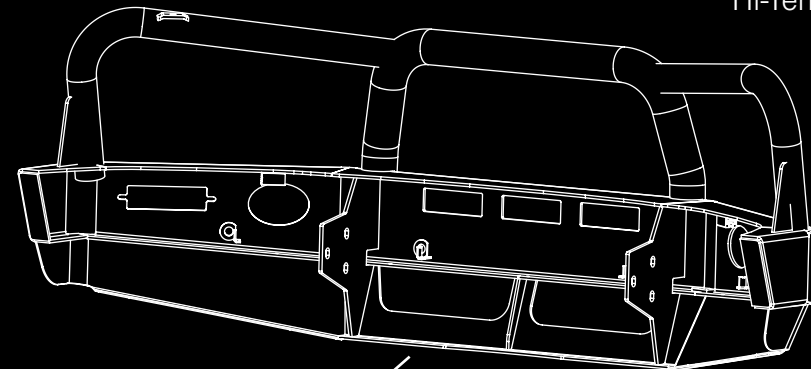
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Notes

The Features of ECB



6mm Thick
Hi-Tensile Alloy



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.

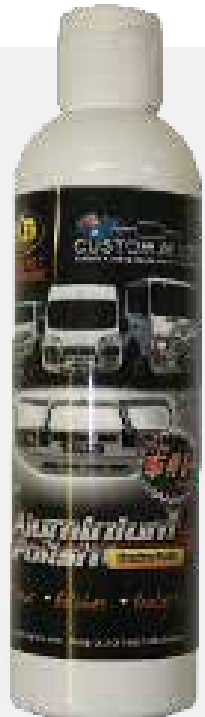
Powdercoated Products

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 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 Bar

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.
- **Caution: Bolt heads must be at the radiator side of the mounts. Note: Where vehicle does not include parking sensors, blanking plugs have been included to fill holes in Protection Bar.**



Stage 2

- Remove four push pull clips and two (2) 10mm head bolts from the top of the grille filler panel.



Stage 3

- Remove three (3) plastic clips from the front of the wheel arch (each side) and one (1) Philips screw from bumper wing to guard (each side).
- Remove two (2) 10mm head bolts from underside of bumper in the centre. Pull out on the rear of the bumper bar wing to un-clip the retainer. Disconnect the light plugs and sensors and pull forward to release the bumper from the vehicle.



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Stage 4

- Remove foam impact member from the bumper.
- Splice ECB wiring harness into wiring harness behind headlight using cable locks (supplied). Run wiring out from under lights ensuring clearance from sharp edges and moving parts.

Stage 5

- Remove the Sonar and housing from the bumper support, three (3) 10mm nuts.
- Place the Sonar unit and the Perspex cover AS SHOWN onto the ECB steel mounting bracket (supplied) and fasten using three (3) M6 x 1.0 x 50mm bolts, flat washers, nuts and nyloc nuts (supplied) and two (2) M8 x 1.25 x 35mm bolt, spring washer and flat washer (supplied)



Stage 6

- Remove the top inner and bottom 12mm head bolt from the crash can, each side.



Big Tube Bar

Stage 7

- Remove the vehicle under body guard by releasing sixteen (16) 10mm head bolts.



Stage 8

- Check scale on paper template (supplied) with these instructions and then carefully cut out.
- Place the ECB paper template onto the front of the chassis rail, use the template as a guide to drill a 10mm hole into the radiator support panel. **Blow filings clear and treat all exposed metal with a rust inhibitor.**



Stage 9

- Fit the lower support plate onto the bottom of the chassis rail and use it as a marking template. Drill two holes through the underside of the rail for the fasteners then drill another hole to the rear large enough to fit the supplied bolt/washer on wire through. **Blow filings clear and treat all exposed metal with a rust inhibitor.**



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Stage 10

- Fit the upper support plate (supplied) onto the top of the chassis rail using it as a guide drill a 10mm hole into the rail **Blow filings clear and treat all exposed metal with a rust inhibitor.**
- Fasten using M10 x 1.5 x 40mm bolt and washer on wire, spring washers and nuts (supplied). Fit M10 x 1.5 x 35mm bolts, flat washers spring washers and nuts (supplied) to the radiator support panel each side.



Stage11

- Fasten the upper and lower support plates using M10 x 1.5 x 40mm bolts, washer on wire, flat washers, spring washers and nuts (supplied). **Tighten all bolts.**



Stage 12

- Place the ECB steel mounting bracket (supplied) onto the front of the cross member and lightly fasten using rear support plates (two per side) on each side, M10 x 1.5 x 70mm bolts, flat washers, spring washers and nuts (supplied). Align the reinforcement plates (Z shaped plates) from the crash can mount to the rear of the steel chassis mount upper and lower outer holes. Fasten using M10 x 1.5 x 35mm bolts, flat washers, spring washers and nuts (supplied) on the chassis mount side, then fasten using M8 x 1.25 x 30 bolts, flat washers, spring washers (supplied) into the captive nut on the vehicle body side.
- Note: Use spring washers only (NO flat washers) on outer holes of front plate. Be sure all fasteners are fitted before aligning and tightening. **Note: Bolt heads must be at the radiator side of the mounts.** Align central to vehicle and **tighten all fasteners.**



Big Tube Bar

Stage13

- Unclip the wiring loom and re-route to enable enough length to reach the Sonar unit. Ensure sonar unit is mounted parallel to ECB mounting bracket cross tube, as high as possible and front face is vertical.



Stage14

- Remove the bumper sensors and wiring loom from the rear of the bumper and place into the rear of the Protection bar. Connect ECB fog light Quick connect harness to the fog light connector.
- Remove OE fog lights from bumper and discard .



Stage15

- Fit ECB LED indicator / park lights into protection bar as per instructions supplied with the LED indicator kit.



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Stage16

- 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. Install fog light surrounds (supplied) to fog light openings, large side of surround to inside of opening on lights.



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.



Stage18

- Remove the upper and lower grill from the bumper and the plastic number plate mount from the front face of the bumper. Discard the number plate mount only.
- Use the paper templates supplied to mark and trim the bumper to allow the steel mounts to protrude through the front face and trim lower grille for sonar to be unobstructed.
- Refit lower grille to plastic bumper.



Big Tube Bar

Stage 19

- Refit the bumper in the reverse of steps 2 & 3.



Stage 20

- Fit the protection bar to the outside of the steel mounting bracket and fasten using M12 x 1.75 x 40mm bolts, flat washers, spring washers and nuts (supplied).
- Align protection bar with the vehicle and **tighten all bolts.**



Stage 21

- Connect fog light and indicator /parking lights wiring between the vehicle harness and indicator / park lights on Protection bar.
- Connect the sensor wiring.

Stage 22

- Refit the grill back into position using the original fasteners.
- Refit the underbody guard with original fasteners.
- Road test vehicle to ensure correct operation of all driver assists.

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. **Insure 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

Installation Kit

1 - ECB Steel mounting bracket (YBHU100)	8 - M8 flat washers
4 - Side support brackets (BHU100SY_B6MS)	8 - M8 spring washers
1 - Pair upper support plate (BHU100SY_C8MS)	3 - M6 x 50mm bolts
1 - Pair lower support plate (BHU100SY_B8MS)	2 - M6 x 20mm bolts
4 - Cross member rear support (BHU100SY C6MS)	18 - M6 flat washers
1 - Sonar mount (BHU100SY A4MS)	2 - M6 spring washers
6 - M12 x 1.75 x 40mm bolts	14 - M6 nuts
12 - M12 flat washers	3 - M6 Nyloc nuts
6 - M12 spring washers	1- ECB Indicator / Park /DRL light kit
6 - M12 x 1.75 nuts	8 - Cable locks
8 - M10 x 1.5 x 35mm bolts	1 - Fog light kit
6- M10 x 1.5 x 40mm bolt & washer on 300mm wire	1 - ECB Quick click fog kit (IC10D40S1004ECBH)
4 - M10 x 1.5 x 70mm bolts	4 - 22mm black plastic blanking plug (ICINSERT22)
30 - M10 flat washers	1 - 2400mm length 6mm clip lock
18 - M10 Spring washers	2 - 550mm lengths 6mm clip lock
18 - M10 x 1.5 nuts	2 - Fog light surrounds
6 - M8 x 1.25 x 30mm bolts	1 - Perspex sonar cover (NBF160SY A2PL)
2 - M8 x 1.25 x 35mm bolts	

Finished Product



Warranty Registration

Contact Details

Name: _____

Address: _____

Product: BHU102SY _____

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.

Please post to

PO Box 122, Margate QLD 4019

Or Register Online

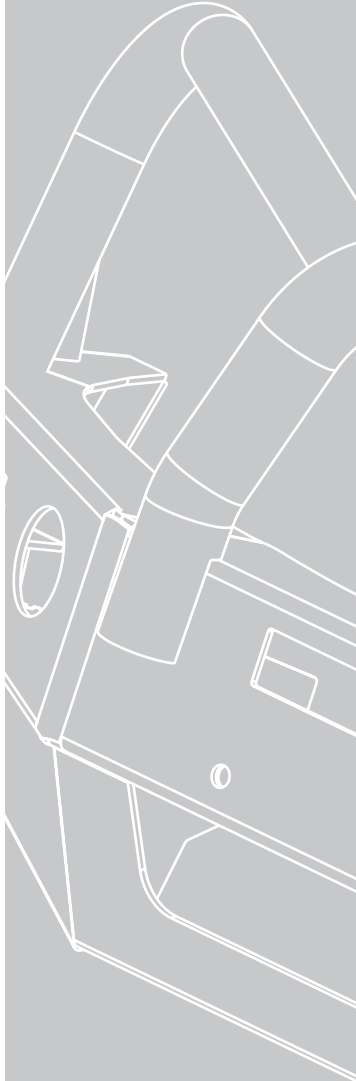
For online registration please go online to www.ecb.com.au/TBC. If you have any questions please contact our national office on 1800 069 145 or www.ecb.com.au.



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This image shows a single sheet of white paper with horizontal blue or grey ruling lines. The lines are evenly spaced and run across the width of the page. There are approximately 20 lines visible. The paper has a slight shadow on the right side, suggesting it's resting on a surface.

REPLACES: N/A
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1800 069 145
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