



STONE SHIELDS



CTC[®]RV
COAST TO COAST



STONE SHIELDS



Keep your caravan or camper trailer looking like new. Coast's new range of Stone Shields stop stones (and other hard debris) from chipping, or potentially even denting, your RVs paintwork. Great for travel along the unbeaten track, these Stone Shields are super easy to install onto your A-frame.

Made from extra-tough rip stop mesh (ripstop is a woven material that is resistant to tears or rips) and includes two extra-large rubber mud flaps (that are heavy-duty) to protect the undercarriage of your caravan or camper trailer.

Read through these simple instructions (in full) prior to commencing the installation process.

Note: Once your Stone Shield is fitted, ensure you have sufficient clearance between your vehicle and your RV/Stone Shield-remember, you may need a wider turning circle when manoeuvring your RV.



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Your Stone Shield comes flat-packed. Before you begin assembly, we recommend laying all the components out, as per the image below. Not only will this aid an efficient assembly but you're also able to double-check that all components are present.

The following items should be present in your Stone Shield packaging:

1. Mud Flap Bars (x2)
2. Centre Piece (x1)
3. End Pieces (x1 LH and x1 RH)
4. 25mm Threaded Screws (x1 Bag)
5. 20mm Threaded Screws (x1 Bag)
6. A-Frame Receptors (x2)
7. Locking 'R' Pins (x2)
8. Mounting Kits (x2) - this includes x4 rubber spacers
9. Rubber Mud Flaps (x2)
10. RipStop Mesh (x1)
11. Reinforcing Plates (x4)
12. Reflector Kit

Please note screws may vary between Phillips and Hex head screws. Alter your tools as required



Fig.1

Once you've checked that all components are present, gather the following tools and keep them nearby so that they're easy to locate when needed.



***Tools are not provided, images to the above are for illustrative purposes only.**



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STEP 1:

Locate the Centre Piece and move it to a workable area, free of obstacles and safety hazards

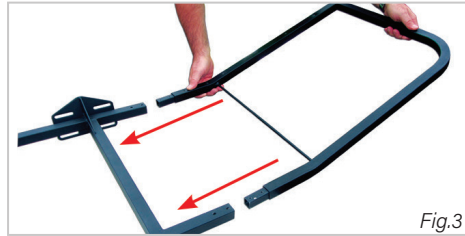


STEP 2:

Locate one of the End Pieces and slide into the Centre Piece. Repeat the process on both sides and secure with the 20mm self-drilling screws see Fig. 4

Rounded corners represent the top of the Stone Shield.

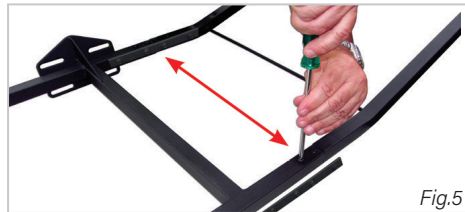
Locate the reinforcing plates and the 20mm self-drilling threaded screws.



STEP 3:

Use the screws to secure the reinforcing plate to the Stone Shield frame.

Repeat the process on both sides -see inset to the left.



STEP 4:

Locate the mesh.

To make this process easier, we recommend turning the Stone Shield frame over.



The Stone Shield frame is pre-drilled, showing you where the screws need to go.





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STEP 5:

Line the mesh up with the Stone Shield frame. Using the 20mm threaded screws, secure the mesh to the frame. We recommend starting with the corners and then continuing to work around the entire frame.



Fig.8

The mesh cuff is not pre-drilled. We recommend marking the cuff with a pinhole to locate the correct hole in the frame, prior to permanently screwing the mesh into the frame.



Fig.9



Fig.10

STEP 6:

Once the mesh has been secured to the frame, it's time to attach the mud flaps, to make this process, we recommend turning the Stone Shield frame over. Locate the mud flap bars, mud flaps and the 25mm threaded screws.



Fig.11



Fig.12

STEP 7:

Take the mud flap and line the holes on it up with the holes in the Stone Shield frame.

Place the mud flap bar on top of the mud flap, once again making sure the holes are all aligned, and screw it in to secure to the Stone Shield frame.

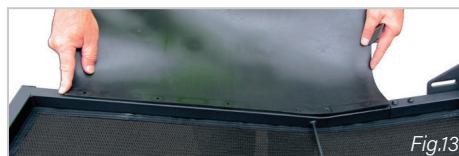


Fig.13



Fig.14

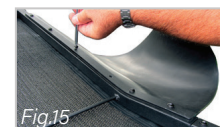


Fig.15

STEP 8:

Once both mud flaps are secured, take the Stone Shield frame over to the A-frame, of your RV.

To determine the best position for your Stone Shield, sit it on top of the A-frame but make sure that you have clear access to at least three of the cutouts.

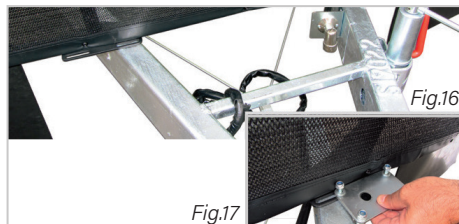


Fig.16

Fig.17



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STEP 9:

Once the best position is determined, locate the U-brackets and fit them onto your A-frame. (Rubber spacers and varied bottoms are provided for thicker A-frames.) Attach the mounting feet to the Stone Shield frame.

The rubber spacers may not be required for installation. They are provided to accommodate uncommon A-frames.



Fig.18



Fig.19



Fig.20

STEP 10:

With the mounting feet bolted onto the frame, lift the Stone Shield frame onto the A-frame so that the downward prongs fit into the receptors on the U-brackets.



Fig.21

STEP 11:

Finally, use the locking pins to lock the Stone Shield frame to the receptors i.e. stopping the Stone Shield frame from lifting.

Please note for added security, padlocks or cable locks can be used.

These are not provided but are available through your local hardware store.



Fig.22

STEP 12:

Using 25mm screws, mount the reflector brackets to both sides of the stone shield as shown in figure 23. Set the van LEVEL and measure from the ground line up for the positioning of the reflectors. Ensure you position the bracket in accordance with the ADR requirements outlined below.

ADR 13/00: 2 Reflectors must be installed utilising the supplied mounting brackets, which shall not be farther than 150 mm from the extreme outer edge of the vehicle, be not less than 600 mm apart, and be not less than 250mm nor more than 900 mm above the ground.



Fig.23



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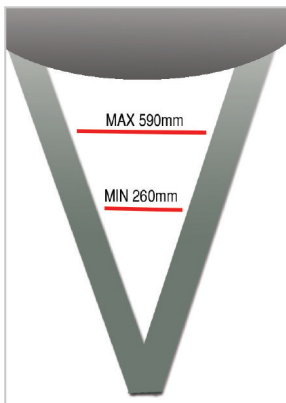
The reflectors must be positioned in such a way that their reflective surface is always facing forwards, perpendicular to the ground, and parallel with front of the caravan.

ADR 47/00: Only (white/colourless) reflectors complying with ADR 47/00 shall be used. This includes Component Registration Number (CRN) Approved Reflectors and those complying with European Regulation ECE R3.



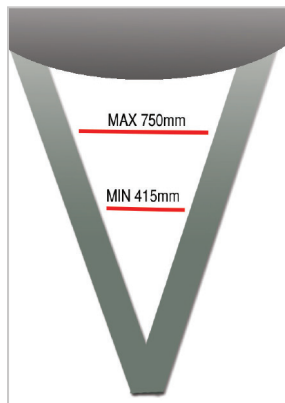
Part Number	Description	Gross Weight (kg)	Net Weight (kg)
450-06502	CARAVAN Stone Shield with Mesh & Reflectors 3PCE Black 2310 x 500mm	17.3	16.0
450-06512	CAMPER-VAN Stone Shield with Mesh & Reflectors - 3PCE Black 2150 x 500mm	17.0	15.7
450-06522	CAMPER-TRAILER Stone Shield with Mesh & Reflectors - 3PCE Black 1800 x 500mm	16.0	14.8

The Trailer Stone Shield can be fitted onto A frames, provided it is between the width below:



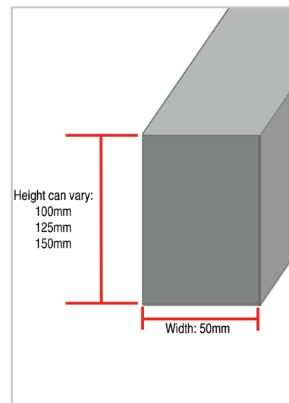
450-06522

The Stone Shield can be fitted onto A-frames, provided it is between the width below:



450-06502 & 450-06512

The U-brackets can fit onto A-frame bars, provided it is between the widths below:





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trading as Coast to Coast RV Services
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Web: www.coastrv.co.nz

Warranty Against Defects

1 WHAT THIS WARRANTY RELATES TO

1.1 This warranty covers goods supplied by Coast RV Pty Ltd T/A Coast to Coast RV Services ("Supplier") to the Client ("Goods") and relates to any defects in materials and workmanship under normal use and maintenance ("Defect").

2 WHAT THE SUPPLIER WILL DO TO HONOR THE WARRANTY

2.1 The Supplier will:

- (i) replace or repair the Goods or the defective part of the Goods free of charge;
- (ii) arrange for the Goods or the defective part of the Goods to be repaired or replaced by a qualified repairer free of charge.

2.2 The Supplier reserves the right to replace defective parts of the Goods with parts and components of similar quality, grade or composition where an identical part or component is not available.

2.3 Goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

3 WHAT THE CLIENT MUST DO TO CLAIM THE WARRANTY

3.1 To claim the benefit of the warranty, the Client will need to (sequentially):

- (i) first contact the Supplier; and
- (ii) present the defective Goods to the Supplier for inspection, including inspection for defective workmanship, or otherwise provide evidence of the claimed Defect, accompanied by evidence of proof of purchase and date of delivery, and if applicable, evidence of maintenance performed in accordance with the relevant maintenance schedules.

3.2 The claim listed in clause 3.1 may be made in person, or the claim may be sent to the address listed on this form, including the particulars required under clauses 3.1(i) and 3.1(ii).

3.3 The appropriate form for making a claim for warranty is as attached.

4 DURATION OF WARRANTY

4.1 This warranty will cease:



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- (i) where the Goods are purchased already fitted in or as a component of a vehicle or RV: from the date that is twelve (12) months after the Client takes delivery of the vehicle or RV; and
- (ii) where the Goods are purchased separately or as an after-market item: from the date that is twelve (12) months from the date of purchase..

4.2 If a Defect does not materialise in the Goods prior to the date provided in clause 4.1, the Supplier will have no liability to the Client under this warranty.

5 RESPONSIBILITY FOR COSTS OF CLAIM UNDER THIS WARRANTY

5.1 The Supplier is responsible for the costs directly associated with repairing or replacing the Goods in accordance with clause 2.1 only.

5.2 Any works required to be completed in addition to fixing the Defect are the responsibility of the Client. Additional works includes any costs associated with any testing or repair of the Goods or any goods to which they are fitted, undertaken by a third party in relation to any defect without prior authorisation from the Supplier.

5.3 Where it is determined that the Goods do not have a Defect, the Client will be charged a GST exclusive inspection fee of forty-five dollars (\$45.00AUD in Australia or \$45.00NZD in New Zealand) plus freight costs for the return of the Goods, this is subject to change without notice.

5.4 The cost of delivery and insurance of the Goods to and from the Supplier, travel costs to and from the Supplier, and the cost of inspecting and testing the Goods are the sole responsibility of the Client.

1 WARRANTY LIMITATIONS

1.1 The Supplier makes no warranties or representations other than those set out in this warranty document except as is required by law.

1.2 The Supplier will not be liable under this warranty:

- (i) to the Client or any other person for any consequential, direct or indirect loss, damage or costs incurred or suffered by the Client or any other person, including but not limited to damage to persons, other property, loss of turnover, loss of profits, loss of business or goodwill;
- (ii) to the Client for transportation or travel costs which are the Client's responsibility;
- (iii) for damage or defects in any Goods caused by improper transportation, storage or any other misuse, neglect or accident.
- (iv) for the installation of the Goods. Any fault or defect due to installation should be referred to the installer. The Goods must be installed in accordance with the Manufacturer's instructions and any relevant legislation or code.

1.3 This warranty covers the Client only and it is not transfer able if the Goods are sold by the Client during the warranty period.



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2 WARRANTY EXCLUSIONS

2.1 This warranty will not apply where:

- (i) the Goods have been improperly modified or repaired or the Good's defect has arisen due to the Client's failure to properly install, fit, maintain, service or use the Goods in accordance with the specifications and instructions provided by the Manufacturer, including a failure to comply with the relevant maintenance schedule (where applicable);
- (ii) the Supplier cannot establish any Defect in the Goods after testing;
- (iii) the Goods have been used other than for the purpose for which they were designed;
- (iv) the Goods have been subject to abnormal conditions, including but not limited to temperature, pressure, stress, load or similar;
- (v) the Client or installer have used or fitted non-genuine or non-approved parts and accessories to the Goods or have failed to use recommended parts and accessories;
- (vi) the Good's defect has arisen due to abuse, misuse, neglect or accident;
- (vii) the Goods have not been installed in accordance with the relevant instructions;
- (viii) the Good's defect is caused by use or fair wear and tear of the Goods (or expendable parts).

3 RIGHTS AT LAW

3.1 The benefits given to the Client under this warranty are in addition to other rights and remedies of the Client at law in relation to the Goods.

3.2 In Australia our Goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the Goods repaired or replaced if the Goods fail to be of acceptable quality and the failure does not amount to a major failure.



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Warranty Claim Form

Warranty Providers Name	Coast RV Pty Ltd trading as Coast to Coast RV Services ABN 49 097 104 492 - ACN 101 461 330
Warranty Providers Address	PO Box 6287, Silverwater NSW 1811 Australia OR; PO Box 58-054 Botany AUCKLAND 2163 New Zealand
Client:	
Contact No.	
Description of Goods provided	
Receipt enclosed: (tick box)	☐ YES ☐ NO
Receipt No:	
Description of defects (Give as much detail as possible. Use a separate page if required)	
Date of purchase/services provided	

I hereby declare that the information provided above is true and correct and to the best of my knowledge and belief and I have complied with all the conditions of the warranty.

Signed:

Name:

(please print)

Dated:

Please note, the issue or completion of this form by the Client does not constitute an admission of liability by the Supplier.



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