



SHINGLEBACK[®]
OFF ROAD

2B90

**BIKE RACK ASSEMBLY
INSTRUCTIONS**



STEP 1: What's in the box?

- 1 x Top bar
- 1 x Centre post
- 1 x Tow bar mount
- 1 x Anti rattle clamp
- 1 x Quick Release Pin
- 2 x Rear tyre locators
- 5 x Dome head bolts and washers (M10) for assembly of top bar and rear tyre locators
- 3 x M12 bolts for assembling the tow bar mount

Please watch the video on assembling your 2B90 correctly prior to the actual assembly: www.shinglebackoffroad.com.au/product-support/

Tools required for assembly

- Tools required for assembly
- 6mm and 10mm allen key
- Screw driver
- 17mm and 19mm spanners
- OR
- Impact driver with sockets (*optional but will speed things up*)



STEP 2

Assemble the Anti rattle clamp.

Slide onto the tow bar tube (see image above right)



STEP 3

Assemble the tow bar mount.

Remove the hitch pin from your tow bar. Insert the tow bar tube, selecting a hole that will keep the rack close to the car – there are several options to cater for most vehicle types, along with offset holes to slightly tilt the rack towards the car if desired.

Reinsert the hitch pin in the tow bar. Move the anti rattle clamp into place and tighten the nuts until secure. It is important to tighten them a little each side, alternating between the nuts until tight to ensure an even fit against the tow bar tube. Finish tightening nuts with a spanner.



STEP 4

Attach the tow bar mount to the tow bar tube.

Line the tow bar mount up with a hole in the tow bar tube that will keep the rack as close to the vehicle as possible. This may be a tight fit and you may require a rubber mallet or a block of wood to assist.

Once the tow bar mount is on the tow bar tube, use the screw driver to line up the holes correctly.



STEP 5

Insert the bolts.

Insert 2 x M12 bolts to secure the tow bar mount to the tow bar tube, fit the washers and nuts but do not tighten at this point.

Do not insert the 3rd M12 bolt until Step 8.

FITTING NOTES: The anti-rattle clamp should be positioned and fitted as shown, bridging between the opening of the car's square hitch and the rack's tow bar tube, and tightened evenly and firmly. This will take out slop/wobble in the hitch receiver. The anti-rattle clamp is not designed to replace your hitch pin.

If the quick release pin fit is too tight due to powder coating you will need to run a 13mm drill through the lined-up holes. An extra nut and bolt has been supplied which should replace the quick release pin when driving on rough roads.



STEP 6

Assemble centre post & top bar.

Dome head bolts (M10 x3)

Place the top bar upside down.

Ensure the Shingleback Sticker on the centre post is facing out to the number plate bracket welded to the top bar.

Hold centre post at an angle and insert a corner bolt first, then the second corner, finishing with the centre bolt.

The dome head of the bolt must be on the same side as the black bungee button that the orange bungee cord secures to.

Fit the washers and nuts and tighten with the 17mm allen key or impact driver.



STEP 7

The quick release pin.

Scrape the sticker off the quick release pin.



STEP 8

Insert the centre post into the tow bar mount.

Due to precision manufacturing tolerances and powder coating, this can be firm to insert.

Insert the remaining M12 bolt into the tow bar mount to secure the centre post.

Insert the quick release pin into any of the 3 holes to secure the centre post into position and secure with the R clip.



STEP 9

Tighten the bolts in the tow bar mount.

Use the 19mm spanner and allen key. The pivot bolt (securing the tow bar mount to the centre post) should only be tightened until just firm to allow pivoting. The two bottom bolts should be tight.



STEP 10

Attach the rear tyre locators.

Height adjustable to suit bike length.
Bikes of the same size can be attached using the one bolt through the centre post and locators or for different length bikes attach the locators in the appropriate hole using both supplied bolts.

Make sure the curve of the locator is facing the correct way.

The position of the bottom locator pictured above is for extra long bikes. For regular sized bikes, you would have the locator positioned on the other side of the centre post (see picture above right).

STEP 11

Attach your **Bike Rack number plate** to the mount using the cable ties supplied.

TIP: You can position the rack so that it is leaning towards the car, however just be sure to check that your pedal won't spin and hit your car while travelling.

NOTE:

Ensure your bungee loops are attached as pictured, threaded through the wheel and secured.

With certain compound tyres, or on long trips it is possible to get tyre rubbing where it contacts the front wheel hoop.

Solutions include using foam pipe lagging wrapped in electrical tape or wrap an old tyre tube around the hoop.

And make sure the tyres have firm air pressure.

WE HOPE YOU ENJOY USING YOUR SHINGLEBACK RACK!

ANY QUESTIONS? PHONE: 0400 918 812 (Phil)

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