

INSTALLATION INSTRUCTIONS



SKU: CANOPY-AL2-BYD-SHARK-6
Vehicle Compatibility: BYD Shark 6, 2024+
Installation Time: Approximately 3 hours

BEFORE YOU START

IMPORTANT INFORMATION

Always wear safety glasses and hearing protection.

Keep the work area clean at all times.

Check that all components listed in the parts table are present before beginning.

Thoroughly read all instructions before starting installation.

Do not modify this product or its fasteners in any way.

These instructions are accurate as of the revision date and do not account for any vehicle manufacturer changes made after this date.

It is the responsibility of the installer to confirm correct operation and clearance of all components.

Remove all burrs and swarf from any drilled holes, then coat them with rust-preventative paint.

Tighten all hardware to the torque specifications listed in these instructions.

After installation, give these instructions to the vehicle owner.

PRODUCT CARE

To maintain the appearance of the product, wash and dry regularly using a quality car wash.

Periodically check all product fixings for correct torque.

Torque Specifications

Bolt Size (mm)	Torque (Nm)	Torque (ft-lb)
M5	7	5
M6	11.8	8.7
M8	28.8	21.3
M10	57.5	42.3
M12	99.8	73.7

TOOLS REQUIRED

- 10 mm socket
- 13 mm socket
- T40 torx bit
- Ratchet
- Torque wrench
- 13 mm spanner
- Solder or crimp connectors
- Clean lint-free cloth
- Test light or multimeter
- Snips or utility knife
- Black silicone and caulking gun
- Super glue
- Mineral spirits
- Rubber gloves
- Safety glasses
- Masking tape

Safety first

MULTIPLE PEOPLE REQUIRED

To avoid injury, at least two people are required to lift the canopy assembly onto the vehicle.

PPE

Wear rubber gloves and safety glasses when handling chemicals to avoid injuries like burns or vision loss.

Wear safety glasses and hearing protection when using power/impact tools to avoid hearing or vision loss.

Parts List

#	Description	QTY
1	Roof panel	1
2	Front panel	1
3	Rear panel	1
4	Left panel	1
5	Right panel	1
6	Front mounting bracket	2
7	Middle mounting bracket	2
8	Rear mounting bracket	2
9	M8 x 25 mm combination bolt	54
10	M8 flat washer	10
11	M8 Nyloc nut	10
12	Rubber seal	1
13	Foam tape	1
14	Foam pad (short)	2
15	Foam pad (long)	2
16	Cable tie anchor	10
17	Cable tie	10
18	Adhesion promoter wipe	2
19	Key	12

INSTALLATION STEPS

1 Attach the roof and front panels



ACTION

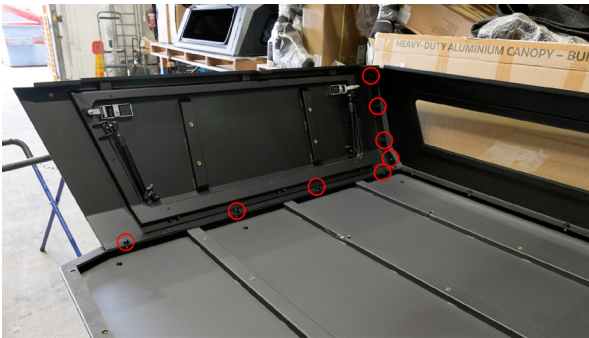
Lay the roof panel upside-down and secure the front panel using 4 M8 x 25 mm combination bolts. Only tighten finger tight at this stage as some adjustment may be required during assembly.

TOOLS/PARTS

Roof panel, front panel, 4 M8 x 25 mm combination bolts.

PRO-TIP: Assemble the canopy on a stand or bench to avoid kneeling or crouching, and make moving it easier later on.

2 Attach the right panel



ACTION

Position the right panel on the roof and secure to the roof panel and front panel using 8 M8 x 25 combination bolts. Only tighten finger tight at this stage as some adjustment may be required during assembly.

TOOLS/PARTS

Right panel, 8 M8 x 25 mm combination bolts.

3 Attach the left panel



ACTION

Position the left panel on the roof and secure to the roof panel and front panel using 8 M8 x 25 combination bolts. Only tighten finger tight at this stage as some adjustment may be required during assembly.

TOOLS/PARTS

Left panel, 8 M8 x 25 mm combination bolts.

4 Attach the rear panel



ACTION

Position the rear panel on the roof and secure to the roof panel and side panels using 12 M8 x 25 combination bolts. Only tighten finger tight at this stage as some adjustment may be required during assembly.

TOOLS/PARTS

Rear panel, 12 M8 x 25 mm combination bolts.

5 Prepare the canopy base



ACTION

Clean the base of the canopy with mineral spirits and a lint free cloth/rag, ensure no residue or particulates are left behind. Using the supplied adhesion-promoter wipes, wipe around the canopy base.

TOOLS/PARTS

Mineral spirits, Adhesion promoter wipe (supplied), clean lint-free cloth

WARNING: This step is important to ensure strong adhesion of the rubber weather seal, do not skip.

6 Install rubber seal



ACTION

Apply the rubber seal to the canopy base starting at the edge of the rear door opening with the lip of the rubber seal facing inwards, keeping the seal aligned with the outer edge of the canopy. Peel the backing off the rubber seal place the seal and press down firmly.

TOOLS/PARTS

Rubber seal

PRO-TIP: Do not pull or stretch the seal as you install it and remove the backing in short sections as you move around the canopy to protect the adhesive.

7 Install rubber seal



ACTION

Work your way around the canopy until the seal meets the opposite side of the rear door opening.

TOOLS/PARTS

Rubber seal

8 Trim rubber seal



ACTION

Once the seal has been fitted all the way around, use scissors or a utility knife to trim any excess material flush at the edge of the rear door opening.

TOOLS/PARTS

Snips or utility knife

PRO-TIP: Carefull not to pull or stretch the rubber seal when cutting.

9 Secure rubber seal on corners



ACTION

If required use a small amount of super glue to help keep the rubber seal properly adheared to the canopy corners during install. Press down firmly and hold for the glue to set.

TOOLS/PARTS

Super glue

WARNING: Apply adhesive sparingly. Excess glue can stain the canopy surface or prevent the seal from seating flat.

10 Install foam pads to rear



ACTION

Apply the foam pads to the canopy base on the rear plate as shown.

TOOLS/PARTS

Foam pads (short)

11 Install foam pads to front



ACTION

Apply the foam pads to the canopy base on the front plate as shown.

TOOLS/PARTS

Foam pads (long)

12 Apply sealant to gaps in the tub



ACTION

Apply a bead of black silicone to the front corners of the vehicle tub headboard to fill in the gaps between the plastic trims. Smooth the bead with a gloved finger.

TOOLS/PARTS

Black silicone and caulking gun, rubber gloves

WARNING: Do not wash the vehicle for at least 24 hours after installation to allow the silicone to fully cure.

13 Remove factory bolts from mounting points



ACTION

Working inside the tub, locate and remove the four existing tub rail bolts at the front and middle positions (circled in red).

TOOLS/PARTS

T40 torx bit, ratchet

Carry out this step on both sides of the tub.

14 Remove factory bolts from mounting points



ACTION

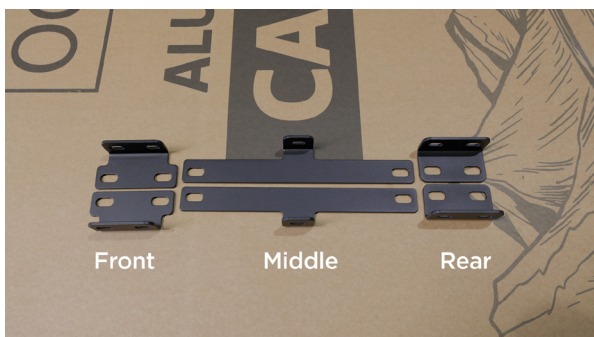
Locate the two rear tub rail bolts (circled in red).

TOOLS/PARTS

T40 torx bit, ratchet

Carry out this step on both sides of the tub.

15 Identify the mounting brackets



ACTION

Lay out the three body bracket sets on a clean surface. The image shows the FRONT brackets (short, L-shaped), MIDDLE bracket (long, flat), and REAR brackets (medium, L-shaped). Each set is different — take a moment to confirm which is which before proceeding.

TOOLS/PARTS

2 front mounting brackets, 2 middle mounting brackets, 2 rear mounting brackets

16 Install the mounting brackets to the tub



ACTION

Use the supplied bolts to install the mounting brackets to the vehicle tub. Handtighten only at this stage — the brackets must be able to slide to align with the canopy mounting points. Install front, middle, and rear brackets on both sides.

TOOLS/PARTS

2 front mounting brackets, 2 middle mounting brackets, 2 rear mounting brackets, 12 M8 x 25 mm combination bolts

Carry out this step on both sides of the tub.

17 Lift the canopy onto the tub



ACTION

With at least two people (one on each side), carefully lift the assembled canopy and lower it onto the vehicle tub. Align the canopy evenly over the tub rail so the rubber seal sits flat on all four sides. Do not let the canopy drop onto the vehicle.

TOOLS/PARTS

Minimum 2 people required

WARNING: The canopy is heavy. Use proper lifting technique — bend at the knees, keep your back straight. Position one person at each side before lifting.

Do not slide the canopy as this may dislodge the rubber seal, lift to reposition if required.

18 Secure the canopy to the mounting brackets



ACTION

Secure the canopy to the mounting brackets using the supplied nuts and bolts.

TOOLS/PARTS

10 M8 x 25 mm combination bolts, 10 M8 flat washer, 10 M8 nyloc nuts

19 Torque down canopy assembly bolts



ACTION

Tighten down all canopy assembly bolts.

TOOLS/PARTS

Torque wrench, 13 mm socket (refer to Torque Settings table)

WARNING: Under-tightening can cause the canopy to shift during driving. Over-tightening may crack the mounting points. Always use a torque wrench.

20 Torque down mounting bolts



ACTION

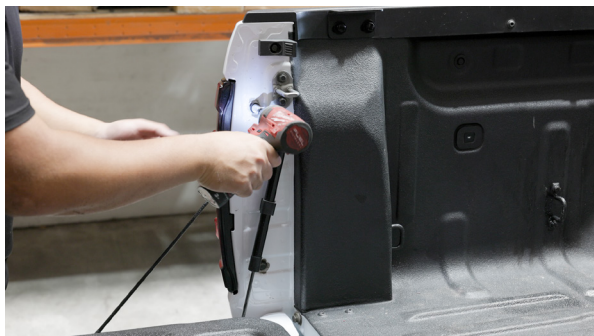
Using a torque wrench, tighten all body bracket bolts to the specification listed in the Torque Settings table. Work in sequence — front left, front right, middle left, middle right, rear left, rear right. Recheck all bolts once the full sequence is complete.

TOOLS/PARTS

Torque wrench, 13 mm socket (refer to Torque Settings table)

WARNING: Under-tightening can cause the canopy to shift during driving. Over-tightening may crack the mounting points. Always use a torque wrench.

21 Remove tail light assembly bolts



ACTION

Using a 10 mm socket remove the 2 bolts holding in the left tail light assembly.

TOOLS/PARTS

Ratchet, 10 mm socket.

22 Release tail light assembly from vehicle



ACTION

Use a trim removal tool to gently pry the tail light assembly out away from the vehicle.

TOOLS/PARTS

Trim removal tool

WARNING: Be gentle when pulling the tail light out. The plastic tabs can break if forced. If resistance is felt, check for additional hidden fasteners.

23 Remove tail light assembly



ACTION

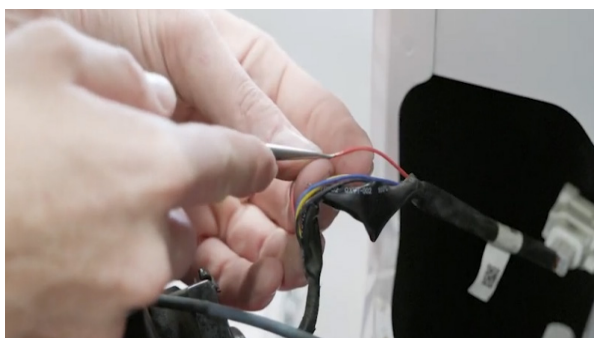
Ensure the tail light is removed outward and not rearward to avoid damaging the mounting clips or tail light assembly.

TOOLS/PARTS

Trim removal tool

WARNING: Be gentle when pulling the tail light out. The plastic tabs can break if forced. If resistance is felt, check for additional hidden fasteners.

24 Identify brake light wiring



ACTION

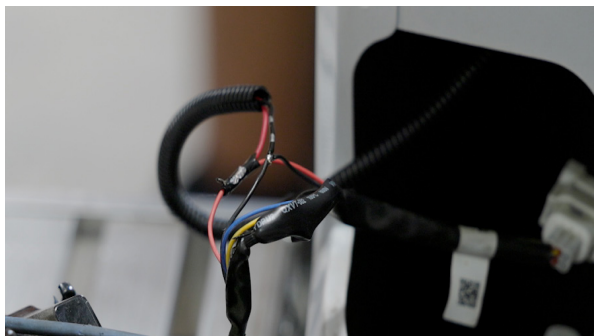
Use a multimeter to probe the tail light wiring to identify the brake light signal and the ground wire.

TOOLS/PARTS

Multimeter

WARNING: Always test wiring to confirm the correct signal as the wiring locations and colours can change between different variations and years of the same vehicle model.

25 Wire in the canopy brake light



ACTION

Route the canopy brake light wiring down to the LH tail light, then splice the **red** canopy wire into the brake signal wire from the vehicle, and the **black** canopy wire into the ground wire from the vehicle. Use solder and soldering iron or, crimp connects and crimpers to connect wiring, do not just twist and tape them together.

TOOLS/PARTS

Solder and soldering iron or, crimp connects and crimpers.

WARNING: Ensure the wiring connections are secure and have good contact and the exposed wiring is protected by electrical tape or heat shrink to avoid causing damage to the canopy brake light or vehicle electrics.

26 Reinstall the tail light assembly



ACTION

Press the tail light assembly mounting clips back into place and install and tighten the 10 mm bolts.

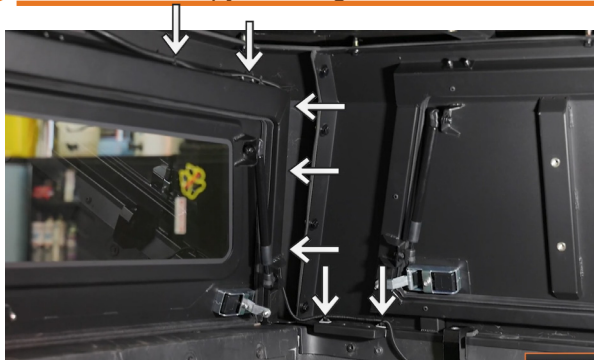
TOOLS/PARTS

Ratchet, 10 mm socket

PRO-TIP: Test the operation of the canopy and vehicle brake lights before reinstalling the tail light assembly.

WARNING: Take care to not crush or pinch the wiring when resealing the tail light assembly.

27 Secure the canopy brake light harness



ACTION

Use the supplied cable tie anchors to secure the canopy brake light harness to the canopy. Clean the canopy surface with mineral spirits, peel the backing off the adhesive pad, and stick the cable tie anchors in place. Bundle any excess harness and secure the harness to the rear corner using the cable ties.

TOOLS/PARTS

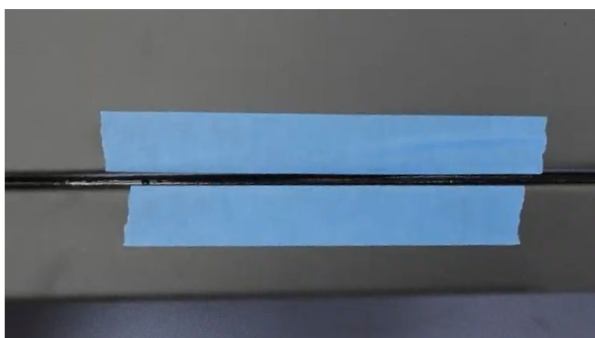
Cable tie anchors, cable ties, mineral spirits, cloth

PRO-TIP: Ensure the surface of the canopy is clean and dry to ensure the cable tie anchors adhere correctly.

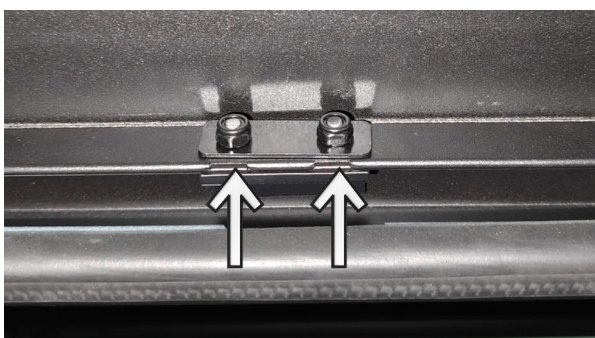
Installation is Complete!



Tips and tricks

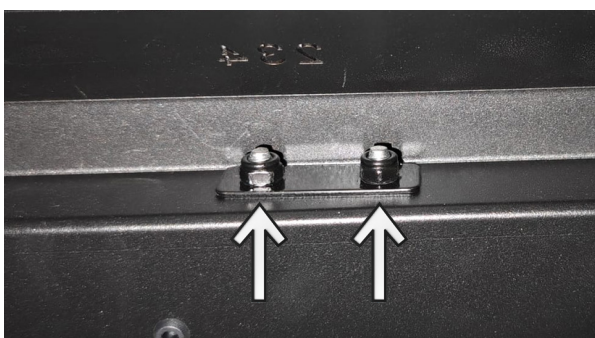


To ensure the canopy is weather proof, run a bead of black silicone over the panel joins. Mask off either side of the join. Before applying silicone and smooth the silicone out with a gloved finger, cleaning off the excess before removing the tape, to keep a clean finish.



If required, the canopy doors can be adjusted by loosening off the hinge nuts with a 10 mm spanner. Adjust the door as required, and retighten the nuts.

The latches can be adjusted to hold the doors tighter or looser by loosening off the locking nut on the back of the bolt, thread the bolt in or out as required and resecure with the locking nut.



Product information

SKU: CANOPY-AL2-BYD-Shark-6

Rated roof load capacity: 125 kg (dynamic) 300 kg (static)

Canopy total weight: 75 kg

Post install care

Do not wash vehicle for 24 hours after installation to allow the sealant to cure fully, failure of sealant may lead to water ingress into vehicle roof.

Recheck the torque of all fixings after 100 km as the roof rack settles, then every 1000 kms and before every trip. We recommend checking more frequently when used on corrugations and off road applications.

Need help?

For installation assistance or clarification, contact our after-sales team on 0481 614 611 or email hello@ocam.com.au. We will be glad to help!
