FLUSH RANGE

Flush Mount Installation Guide

For all flush mounts: Anderson, 3 Pole, Deutsch DT, Starlink and Build Your Own Flush.

WHAT'S INCLUDED

- Flush mount
- TPU mounting gasket
- Paper cut-out template
- 316 stainless M4 countersunk bolts
- 316 stainless M4 nyloc nuts

Plugs and dust covers are only included if you ordered them with your mount. Cables are not included.

YOU'LL ALSO NEED

- Silicone sealant (automotive/marine-grade)
- Cable gland(s) for any other panel the cable passes through
- Split tube or conduit, and cable ties
- Touch-up paint for bare steel edges

TOOLS REQUIRED

- Drill
- 4.5mm drill bit (M4 mounting holes)
- 10mm drill bit (starter holes)
- Jigsaw, nibbler or air saw
- 2.5mm Allen key
- 7mm spanner or socket
- Marker and masking tape
- File, deburring tool or sandpaper

⚠ **BEFORE YOU START**

Disconnect and isolate all power before drilling, cutting or fitting anything. All wiring, fusing and circuit protection should be done by a qualified auto electrician.

INSTALLATION STEPS

1 Choose your location

Pick a flat panel with enough room behind it for the back of the mount, the plugs, cable and terminals. You also need to reach behind the panel to fit the nuts.

Before you cut, check behind the panel for wires, tanks, brackets or anything else you could damage.

2 Mark out the cut-out

Put masking tape over the area. It makes your marks easy to see and protects the paint.

Hold the gasket or the paper template in place and mark:

- the panel cut-out
- the M4 mounting holes

Check it is straight before you mark.

3 Drill the mounting holes

Drill each M4 hole with a **4.5mm** drill bit. This gives a little clearance so the bolts line up easily.

4 Cut the panel opening

Drill a 10mm starter hole just inside each corner of the cut-out.

Cut just inside your line with a jigsaw, nibbler or air saw, then file back to the line.

Test fit the back of the mount in the opening. It should slide in without forcing. Take off a little at a time, as you can't put metal back.

5 Clean up the edges

Remove all burrs and sharp edges from the opening and holes with a file, deburring tool or sandpaper.

On steel panels, touch up any bare metal with paint to stop rust. Peel off the masking tape.

6 Run and seal the cable

On a flush mount the back of each plug sits behind your panel. Anderson and 3 Pole plugs are open at the back, so water that gets into the plug can run past the contacts and drip out behind the panel. Seal the back of the plug and water can't get through.

1. Run your cable to the mount. Wherever it passes through another panel or bulkhead (for example into the cabin or battery box), fit a cable gland and feed the cable through it **before** you crimp the terminals. They will not fit through after.
2. Crimp the terminals and fit them into each plug.
3. Run a bead of silicone around the back of each Anderson or 3 Pole plug, where the cables go in. Let it cure before you plug in.
4. Tighten each gland's dome nut until it grips the cable firmly.

TIP Deutsch DT plugs are already sealed, so they don't need silicone. Round glands seal best on round cable. Behind the panel, protect the cable with split tube and cable-tie it in place so its weight doesn't hang off the plugs.

7 Fit the plugs into the mount

Push each plug into its cutout until it is fully seated. Check every plug faces the right way.

If you are using a dust cover, fit it to the plug now.

8 Fit the gasket and mount

Place the gasket on the panel and line it up with the opening and holes.

Feed the cables through, then push the mount into the opening from the front. Line up the holes and make sure no cable is pinched behind the panel.

9 Bolt it down

Push the M4 countersunk bolts through from the front. Fit a nyloc nut to each bolt behind the panel.

Hold the bolt with the **2.5mm Allen key** and tighten the nut with a **7mm spanner**.

Tighten evenly, corner to corner, a little at a time, until the bolt heads sit flush and the gasket is lightly squashed.

DO NOT OVERTIGHTEN. IT CAN CRACK THE MOUNT.

10 Final check

Once installed, check that:

- ☐ The mount is solid and sits flush with the panel
- ☐ The plugs are firmly held in place
- ☐ Cables are supported and glands are tight
- ☐ The gasket sits evenly all the way round
- ☐ The back of each Anderson plug is sealed
- ☐ The plugs connect and disconnect easily

Installation is now complete.

Any questions?
We're happy to help with your install.

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⚠ IMPORTANT SAFETY NOTICE

This guide covers physical mounting only. The flush mount, gasket and dust cover keep out dust and knocks, but they do not seal your panel on their own. On a flush mount the back of each plug sits behind your panel. Anderson and 3 Pole plugs are open at the back, so water that gets into the plug can run past the contacts and drip out behind the panel.

Seal the back of each Anderson or 3 Pole plug with an automotive/marine-grade silicone sealant, and fit a suitably rated cable gland wherever the cable passes through another panel. Once sealed, water can't get through the plug. The plug face itself still gets wet, so fit a dust cover when the plug isn't in use, and keep the mount away from high-pressure water and immersion. Follow the gland or sealant manufacturer's instructions and confirm it suits your mounting surface.

Disconnect and isolate all power before drilling, cutting or fitting components. All electrical wiring, cable selection, terminations, fusing and circuit protection must be carried out by a suitably qualified electrician or auto electrician, as appropriate.

Confirm that the product and installation location are suitable for your vehicle and application before installation. Nothing in this notice excludes, restricts or modifies any rights under the Australian Consumer Law.