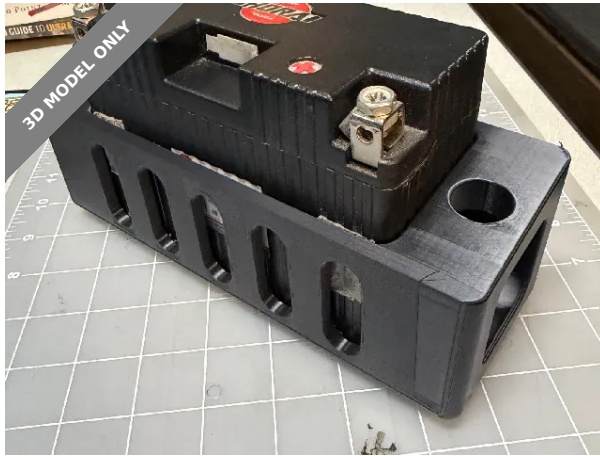




Ducati Monster M900 (1994) - Lithium Battery Box Adapter



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Summary

A battery-box adapter for a 1994 Ducati Monster M900 that fits the stock battery box and uses the original mounting box.

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I designed this adapter to fit a smaller Shorai lithium battery into the stock battery box on my 1994 Ducati Monster M900, rather than use the foam pads that come with the battery. This gives it a much cleaner look.

The adapter sits inside the original battery box and uses the stock bolt locations. The battery is a snug friction fit inside the adapter. Openings in the sides and ends reduce material and provide access to the mounting points. I also removed the original rubber hold down straps and bumpers, and since I didn't need them anymore, trimmed off the hold-down strap hooks.

Fitment

- Fit-tested on my 1994 Ducati Monster M900.
- Designed around a Shorai lithium battery (model LFX18L1-BS12). Check your battery's dimensions against the adapter before printing; not all lithium batteries use the same case size.
- Compatibility with other Monster years and models has not been verified.

Installation

Place the adapter in the original battery box and secure it using the stock mounting locations. I added some washers and bolts that were about 5mm longer than stock. Insert the battery and check that it sits fully in the adapter without excessive force.

Use a suitable nonconductive hold-down to retain the battery. Check that the battery, terminals, cables, and hold-down have adequate clearance and that the positive terminal is protected against contact with metal.

Testing and materials

The adapter has been printed and fit-tested in the stock battery box. Long-term road durability has not yet been verified.

Files

- STL model for slicing with your preferred software.
- Bambu Studio 3MF project with the print setup used to prepare this version.

Version

- v1.1 — Fit-tested adapter for the stock battery box.

This is an independently designed part and is not affiliated with Ducati or Shorai.

Model files



ducati_m900_lithium_battery_adapter_v11.3mf



ducati_m900_lithium_battery_adapter_v11.stl

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