

Remove and Replace Motor on Webasto

Remove the protective cover on the Webasto

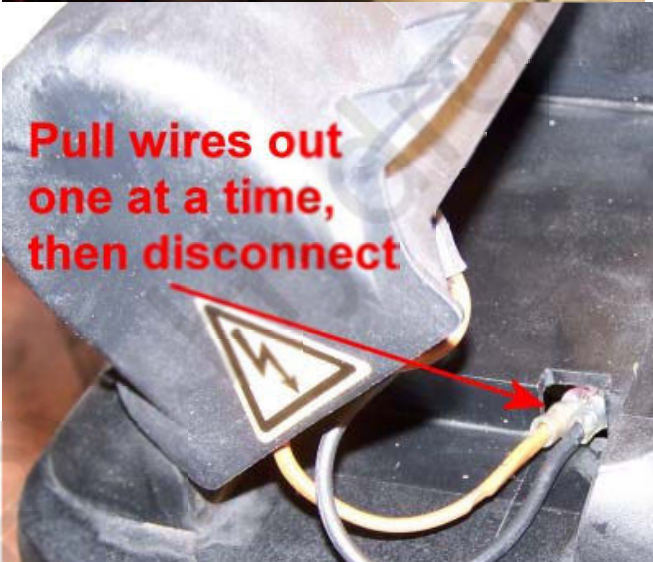


Remove the 4 Philips screws that hold the plastic protective cover in place. Next use rubber mallet to tap case loose about ¼”

Tap against coil, then turn over and tap against air intake as shown in photo. **Do not attempt to pry** cover loose. You will damage the blower casing or “O” ring.



Tap protective cover loose about ¼” back from housing, this will release it from “O” ring.



Remove the 4 Philips screws on ignition coil. Lift coil up and disconnect wires from wiring harness. You may need to pull wire harness out of inside protective cover to access the wire connectors.

Remove protective cover and set aside.

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Remove and replace the motor



Motor should look like this.

Motor may look like this. This motor was used for a short time.



Carefully remove wires to motor.

Connectors just pull apart.

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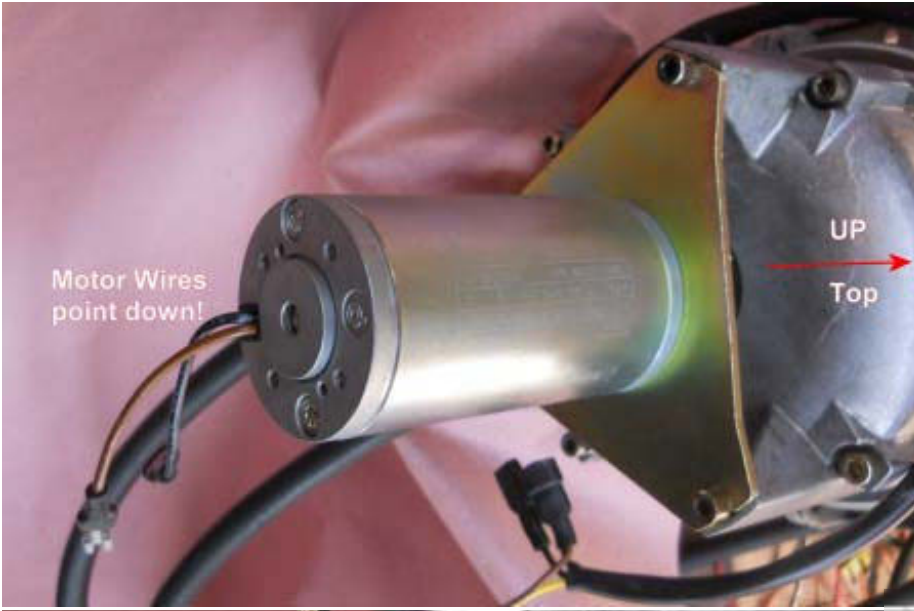
Remove 3 metric cap screws with 4mm hex wrench and set cap screws aside. The cap screws will be reinstalled later.



Plastic clutch just pulls off shaft.

I recommend replacing the plastic clutches.

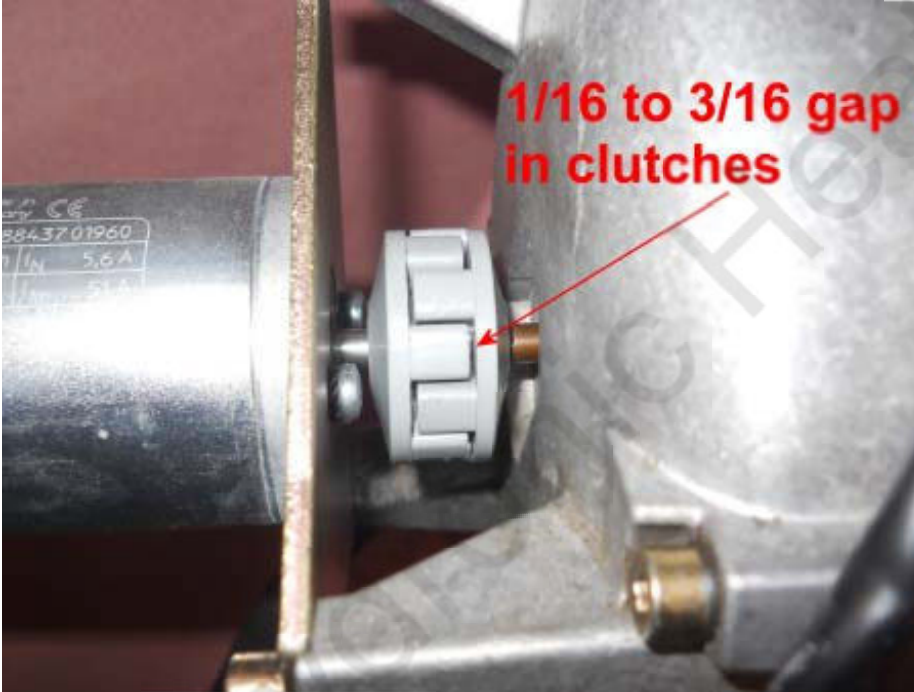
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Install clutch on motor shaft.

Install new motor. Note that wires point down (same side as fuel pump).

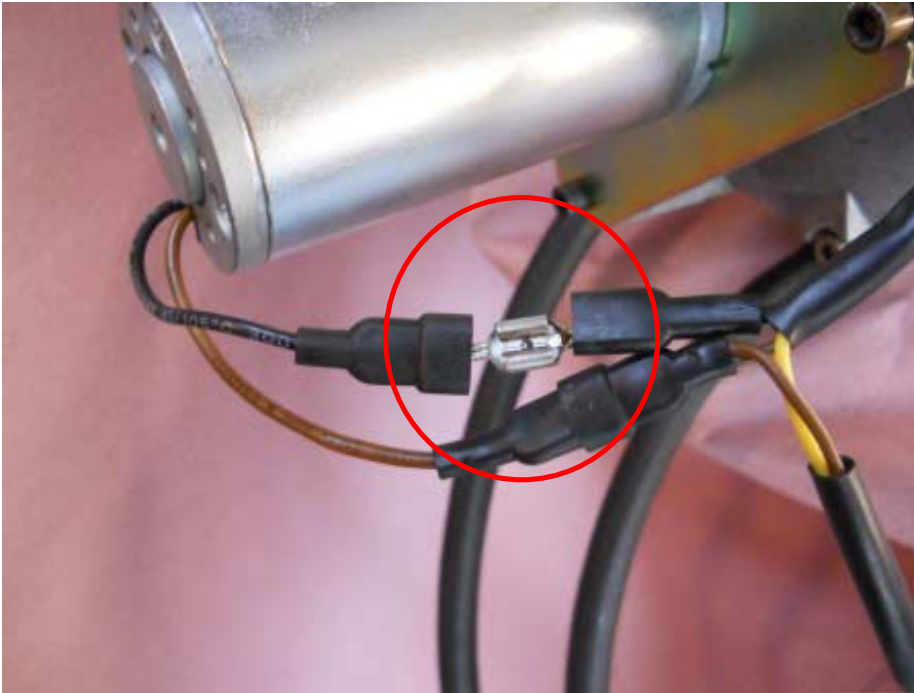
Install and tighten cap screws using 4mm hex wrench.



Align and adjust plastic clutches until there is a slight gap between them.

If they are too close together they may bind. If they are too far apart, they may be noisy.

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Install wires to motor.

Connectors are keyed so that they can only be installed on the correct wires.

Black to black
Brown to brown

This is a critical step. Make sure that male connector is FULLY pushed into female connector. Many times this is very difficult because protective boots are hard and brittle. If these connections are not aligned and seated, you may not get full voltage to motor.



Carefully position the rubber boots over the connectors to assure that there is no bare metal.

Many times this is very difficult because protective boots are hard and brittle. If you need to, use a little electrical tape. This is especially important on the black wire, as this is the +12-volt connection.

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This is the route that wire should take after protective cover is installed. Note that wire goes through groove in housing.



Reinstall plastic protective cover.

Feed ignition coil wires through the slot provided in protective cover, then push cover in place making sure that wiring harness is routed as shown in photo above.

Make sure holes in cover line up with boltholes in blower casing.

You will not be able to turn cover once it is in its proper position.



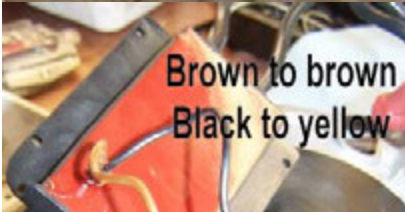
Make sure that wiring harness goes through slot between housing and the cover. You should be able to slightly move the wire in and out when properly installed.

NOTE: If you pinch one of the wires between the cover and the housing, the cover will not go on properly and you can short out the motor / coil circuit.

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Many times the cover will not align with the holes in the blower casing. Sometimes you need to tap the metal blower housing so that you can get screws in to the protective cover. If you pound on plastic cover you can break it. Instead tap the metal housing as shown in photo.



Brown to brown
Black to yellow

**Brown to Brown
Black to Yellow**

Reinstall the ignition coil.

Connect wires to coil

Brown to brown, black to yellow.

Carefully tuck coil wires under housing or inside of protective cover so they are not pinched, then reinstall Philips screws to fasten coil to protective cover.

Webasto should be complete and ready for reinstall.



Wires Must
Be Here!

**Don't Pinch
Wires!**

This manual has been provided courtesy of
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You can find more RV service manuals here:

www.myrvworks.com/manuals

Over the years of running a mobile RV repair service, having a dedicated place to access service manuals for all the different appliances and components found on RVs was something that I always had a desire to create.

I hope this resource makes your RV repairs easier, as it has mine, but please be careful and follow proper safety practices when attempting to repair your own RV.

If in doubt, please consult with a professional RV technician!



DARREN KOEPP - OWNER, MY RV WORKS, INC.

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