



LORENZ MFG. CO.

INSTALLATION INSTRUCTIONS

FOR ELECTRIC SPOUT KIT

30 SERIES SNOW BLOWERS

PART #202083 – 12/00



Step 1 - Remove Retainer. If your fan output has a ring retainer bracket, remove the bolts and the bracket.



Step 2 - Position Bracket. Hold the mounting bracket 1/4" under the spout ring and against the main housing.



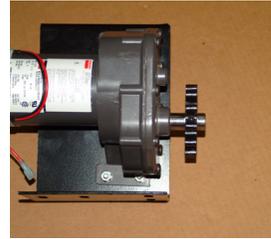
Step 3 - Mark slots. Use a pencil to trace the slots onto the main housing and fan housing. Center punch the slot position toward the right end of the slot.



Step 4 - Drill Holes. Using a 13/32" bit and drill, drill the 2 holes in the main housing and the two in the fan housing. After drilling, the holes may need filing to remove any sharp burrs.



Step 5 - Bolt Motor on Bracket. Use the four 1/4" bolts to attach the motor to the bracket. The bolt heads must be opposite the motor. With the lock washers under the nuts, tighten all four bolts.



Step 6 - Install Gear. Insert the key into the key seat. Make sure the set screws are unscrewed and slide the gear onto the motor shaft.



Step 7 - Attach Bracket to Housing. Hold the mounting bracket in position and insert four 3/8" bolts into the holes and start the nuts. Leave the nuts loose for gear alignment.



Step 8 - Gear Alignment and Mesh. Position the motor assembly so the gears have about 1/4" gap between the teeth. This gap will allow for small discrepancies as the spout turns. After setting, tighten all four bolts. Adjust the position of the gear on the shaft so it is centered on the spout gear. Tighten the set screws.

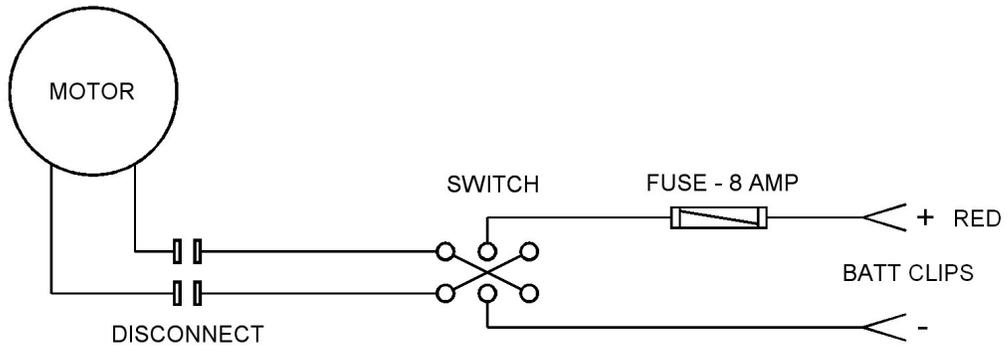


Step 9 - Install shield. With the remaining two 3/8" bolts and nuts, install the shield over the motor assembly. Make sure the shield does not interfere with any moving parts, like the gear or the spout.

Step 10 - Electrical Hook-Up. The wiring should be routed in a way that does not interfere with any moving parts or hinder the proper operation of the tractor or blower. Using ties, secure the electrical cable away from traffic areas. Clip the red insulated clip onto the positive battery terminal, and the uninsulated clip to the negative post or any ground. Do not press the rocker switch while connecting to the battery. Slide the terminals together between the wiring cable and the motor leads. If reverse rotation is desired, simply switch the leads near the motor.

Important! Do not use a higher rated fuse than is recommended. Doing so may cause the motor to overload, damaging the motor or wiring. See reverse for wiring diagram.

Wiring Diagram



Part #	Description
011387-1	Motor
011310	Hand Switch
011488	Fuse – 8 Amp AGC
011490	Battery Clips
011491	Red Insulator