



T.I.P. Troubleshooting Information on Power Gear

TROUBLESHOOTING AND REPLACEMENT ELECTRIC SLIDE OUT MOTOR

Test procedure.

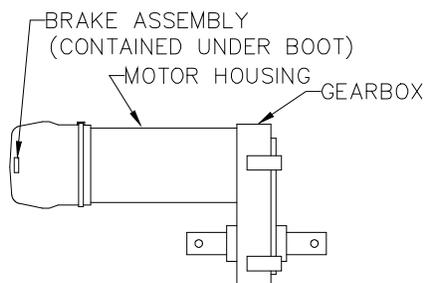
Prior to removing slide-out motor, check voltage supply to slide-out motor to assure that 12 volts is being supplied. Upon voltage verification, properly check the motors' functionality using the following procedure:

1. Locate slide-out motor.
2. Verify that 12V DC is being supplied to motor leads.
3. With motor bolted on, disconnect both wire leads to the motor (leave enough wire to enable you to strip the wires and connect wires to a power source).
4. Using a fully charged 12-volt DC battery or equivalent power source (with a 70 amp minimum), connect motor wire leads directly to power source. If you need to use extra wire to splice to motor leads, use a minimum of 10 gauge. Switch the leads to run motor in opposite direction.
5. Observe motor during operation for the following:

Symptom	Corrective Actions
Excessive noise in motor assembly.	Replace motor.
Does motor function in both directions?	If not, replace motor.
Ability to move slide-out room throughout complete cycle (completely extended and retracted).	If slide-out room does run in and out, but room appears to bind up while retracting or extending, check to see that slide-out room is adjusted properly (reference service manual T.I.P sheets #82 or T.I.P sheet #124 for flat floors for adjustment measurements and procedures). If all adjustments are properly made and motor still does not operate properly, replace motor.
Does motor brake release and lock?	If not, replace motor.

Note: Please specify reason for returning motor upon completing steps, as this will aid Power Gear in processing your return faster.

WARNING: The gear motor is made up of 3 parts (gearbox, motor housing, and brake assembly). Disassembly of any part of the gearmotor will void warranty on the gearmotor.



Slide-out motor color identification

In order to better identify slide-out motors, we have designated boot colors in accordance with the motor sizes and applications. When referencing slide-out motors, please note boot colors.

Also, you may notice that newer motors will have an additional shaft on the motor housing slide. This additional shaft is used in center drive applications. This motor can be used in front of rear drive application also.

Note: Interchanging of motors from low, mid or high torque is not recommended. This may result in damage to other slide-out components or to the slide-out system itself.

Boot color	Description	Application
Black or red	High torque	Most flat floors
Gray or Yellow	Mid torque	Most raised floors, single rail or bedroom
White	Low torque	Special

