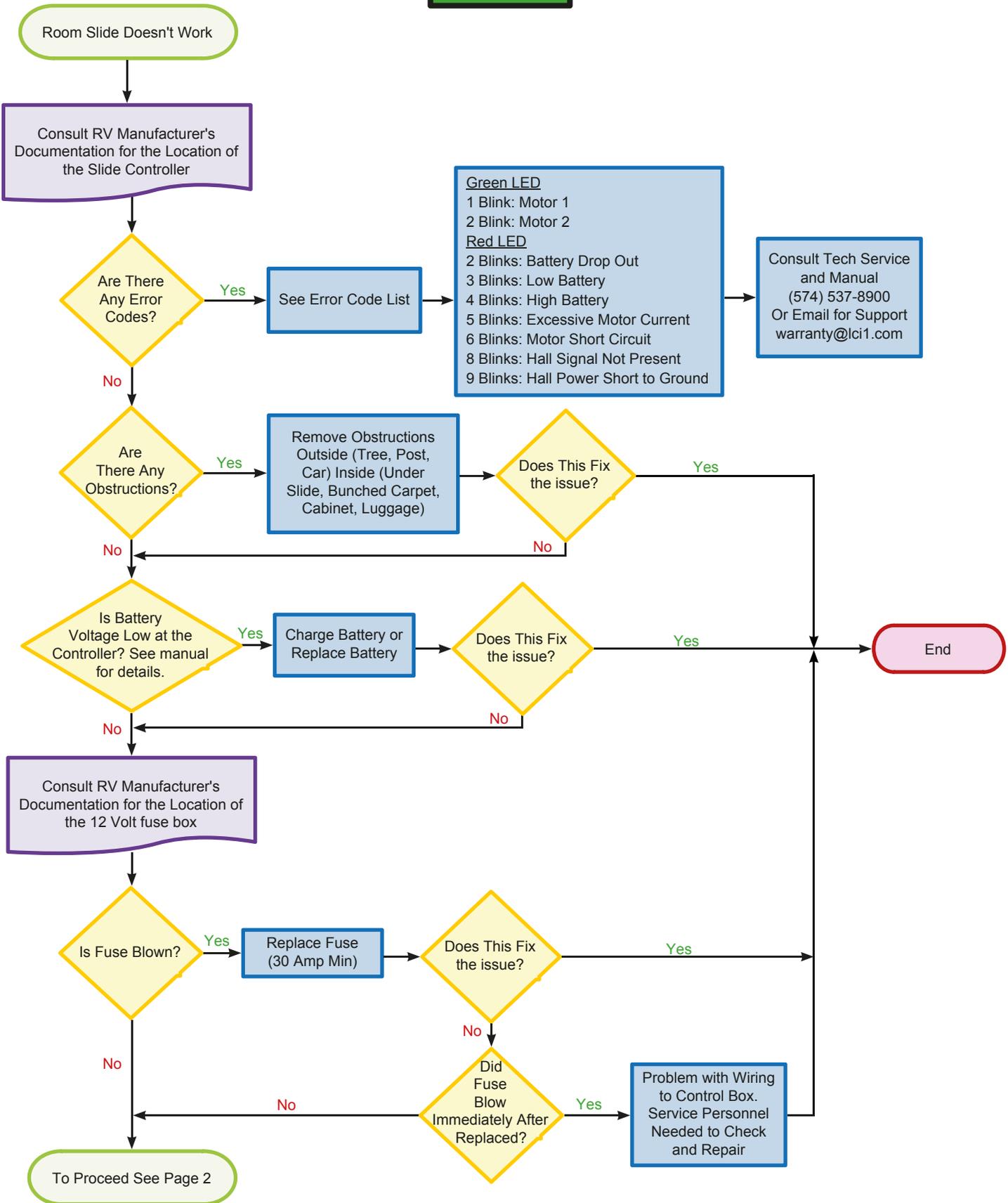


SLIDEOUTS



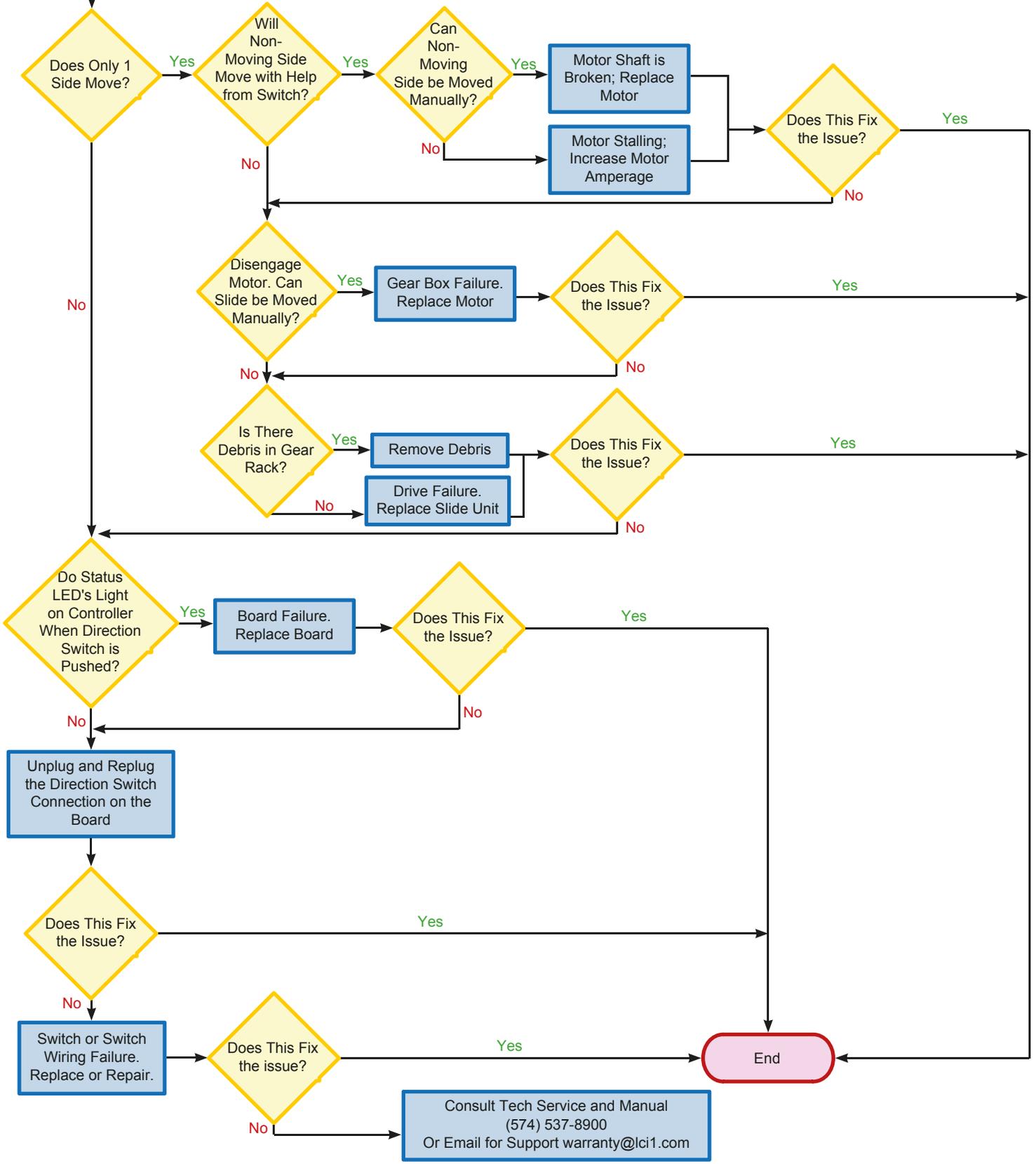


SCHWINTEK IN-WALL™ SLIDEOUT TROUBLESHOOTING

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SLIDEOUTS

Continued from Page 1

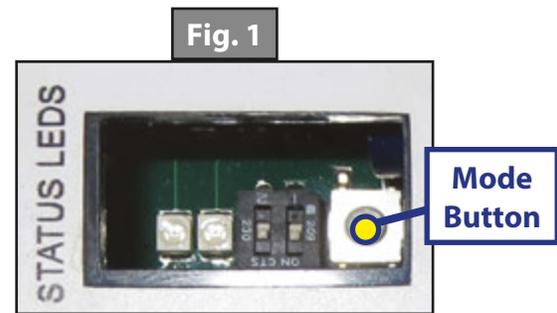


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SLIDEOUTS

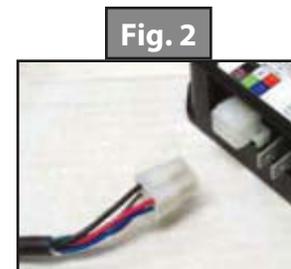
1. Electronic Manual Override (available on board revision C1 and newer):

- A. Locate the circuit board.
- B. Press the “mode button” six times quickly, then press a seventh time and hold for approximately five seconds (Fig. 1).
- C. The red and green LED lights will begin to flash, confirming the override mode.
- D. Release mode button.
- E. Back inside coach; use the normal slide control switch to retract the room.



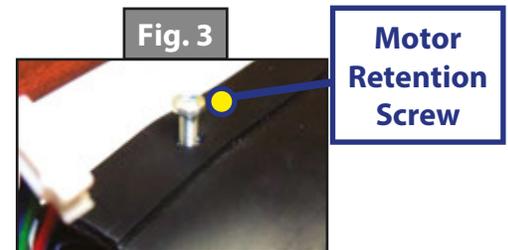
2. Manually Push Room in Override:

- A. Locate the circuit board.
- B. Unplug both motors from circuit board (releases motor brake). (Fig. 2).
- C. Push or pull slide room in as desired; larger rooms may require several people to push.
- D. Keep both sides of room relatively even.
- E. When room is completely in, plug both motors back into the control board (this applies the brake for road travel).



3. Disengage Motors, Manually Retract Room and Travel Lock:

- A. Locate and remove motor retention screw located near the top of each vertical column (Fig. 3).
- B. Bend back wipe seal & visually locate motor (Fig. 4).
- C. Pull the motor up until disengaged, about 1/2". Replace the motor retention screw to hold the motor in this position (Fig. 5).
- D. Repeat this process for both sides of the slide room.
- E. Push or pull room back in to the opening, keeping sides relatively even.
- F. Re-engage motor to be ready for travel.
- G. The room must be travel locked to keep room in place for road travel.





SLIDEOUTS

Error codes

During operation when an error occurs the board will use the leds to indicate where the problem exists. For motor specific faults the green LED will flash once for Motor 1, and two times for Motor 2. The red LED will flash from two to nine times, depending on the error code.

The error codes are as follows:

2. Battery drop out: Battery capacity low enough to drop below 6 volts while running.
3. Low battery: Voltage below 8 volts at start of cycle.
4. High battery: Voltage greater than 18 volts.
5. Excessive motor current: High amperage, also indicated by 1 side of slide continually stalling.
6. Motor short circuit: Motor or wiring to motor has shorted out.
8. Hall signal not present: Encoder is not providing a signal. Usually a wiring problem.
9. Hall power short to ground: Power to encoder has been shorted to ground.
Usually a wiring problem.

When an error code is present, the board needs to be reset. Energizing the extend/retract switch resets the board. Energize the extend/retract switch again for normal operation.

Checking Fuses

The Schwintek In-Wall™ Slide requires a minimum of 30 amp fuse. Check the 12 volt fuse box for blown fuses, and replace any if necessary. Consult the RV manufacturers documentation for the location of the 12 volt fuse box, and the location of the Room Slide Controller's fuse. If the fuse blows immediately upon replacement, there is a problem with the wiring to the In-Wall™ Slide control box. Have qualified service personnel check and repair.

Obstructions

Check outside the RV for possible obstructions: tree, post, car, etc. Check inside the RV for any obstructions: luggage, furniture, open cabinets, etc. Also check for smaller objects that may be wedged under the floor or in the sides of unit. Remove obstructions before proceeding.

Error Codes

Consult RV manufacturer's documentation for the location of the In-Wall Slide Controller. See page 1 for a description of the error codes, and possible problems.

Low Voltage

The Schwintek In-Wall™ Slide Controller is capable of operating the room with as little as 8 volts. But at these lower voltages the amperage requirement is greater. Check voltage at the controller. If voltage is lower than 11 volts, it is recommended that the battery be placed on a charger until it is fully charged. It may be possible to 'jump' the RV's battery temporarily to extend or retract the room. Consult the RV manufacturer's owners manual on the procedure for 'jumping' or charging the battery.

SLIDEOUTS



Never 'jump' or charge the battery from the power connections on the In-Wall™ Controller. Always do this at the battery.

Only one side moving

The Schwintek In-Wall™ Room Slide has a separate motor to operate each side of the room. Does only one side of the room move a short distance (two to four inches) and stop?

Will non-moving side move with help?

If only one side of the room is moving, then with someone's assistance press the switch to extend or retract the room while pushing the non-moving side in the appropriate direction. On larger rooms it may be necessary to have two or more people pushing the room.

Non-moving side moved manually

Try to push the non moving side in and out. If a motor shaft has broken then it will be possible to move that side of the room several inches by hand. Larger rooms may require several people to push.

Debris in the rack

Check all four gear racks on the side of the room for debris.

Do status LEDs light

Consult the RV manufacturers documentation for the location of the Room Slide Controller. When the room slide direction switch is actuated, do the status led's light up? Check this in both the extend and retract modes.

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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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