



3636 Dayton Park Drive Dayton, OH 45414 USA Tel: 937-233-8792 Fax: 937-233-8485

Dual Power Kit Conversion Instructions

Follow directions below to your convert single motor landing gear system to a dual motor system. Your components and installation may vary slightly depending upon your original configuration, but concepts shown here should still apply. This procedure is meant to be performed on an RV utilizing Venture landing gear legs or equivalent.

****Warning****

Great care should be taken when removing and replacing the leg. It is YOUR RESPONSIBILITY to ensure the coach is fully supported by means other than the existing Landing Gear to prevent Bodily Injury or property damage.

There are several styles of legs out there, so in order to make sure you get the right one we will need a serial number off one of your current legs. (The serial number is located on the bottom side of the top cover on each leg.)

The conversion kit includes:

- (1) lead leg
- (1) 3:1 reduction box
- (1) M-9000 motor gearbox w/mounting bolts
- (1) switch and wiring harness

Tools and Supplies you'll need:

- 9/16 wrench, or ratchet & socket
- 3/8 nut driver or socket
- Adjustable wrench or pliers
- #2 Phillips Screwdriver
- Drill and 1 $\frac{3}{4}$ " hole saw or 3/8 drill bit & Jigsaw or rotary zip tool
- Electrical tape
- (2) yellow wire nuts
- (4) #8 x 1" sheet metal screws or screws to suit to attach switch
- Silicone caulk

The conversion may be physically challenging, but is relatively simple.



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1. Remove the cross drive tube that goes between the legs (you won't be needing it anymore)
2. The existing "Follow Leg" (the one without the motor now) will need to be replaced with the new "Lead Leg".

Replacing the leg can be a real challenge especially if you have a generator...

3. Attach the reduction box and motor gearbox.
4. ****Mount the new switch next to the old one.**
5. Route and connect the longer wires from the switch to the new motor (be careful not to bend the wires to much where they attach to the switch or the switch may be damaged)
6. Connect the longer red and black wires to the motor (red to red and black to black). Then connect the shorter ones to the battery. The short red wire is fused, this wire goes to the positive (+) side of the battery. Make sure you leave the fuse accessible.

If you have to add some wire, make sure you use at least 10 awg wire (8 awg would be better if you have to add more than 12 inches)

****DO NOT try to operate both legs with one switch !!! You will burn up the switch.**