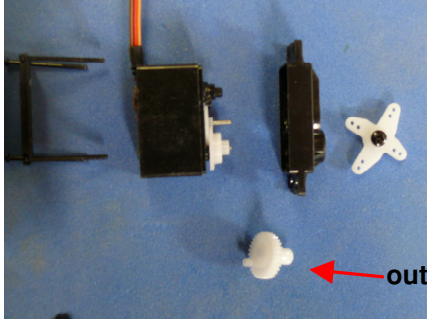


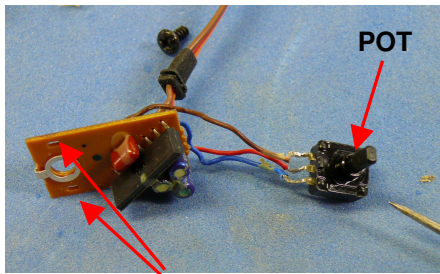
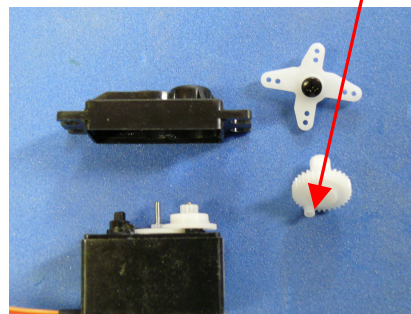
JR Servo Drive Modification

This procedure modifies a JR ST47 servo to provide bi directional rotation of a servo driven from a proportional channel. With the transmitter control in the neutral position the trim tab is adjusted to stop the servo rotation. As the control is move in either direction, the servo will rotate in one direction until the control is returned to the neutral position.



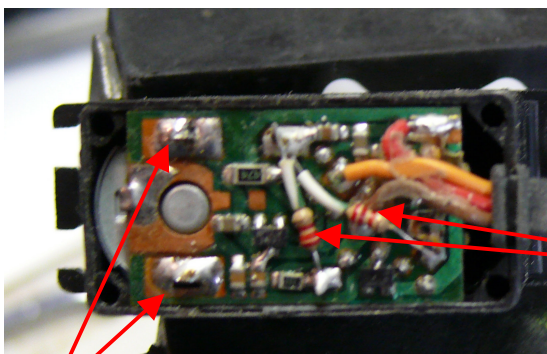
Step 1 - Remove 4 screws from bottom of servo and separate the sections. Remove the output gear.

Step 2 - Cut off the stop on the output drive gear. This will allow the servo to rotate continuously in either direction.



Step 3 - Unsolder motor tabs and remove circuit board. Remove pot from case and unsolder red, blue and brown wires

Step 4 - Solder 2200 ohm 1/8 watt resistors (RadioShack 271-007) from the brown wire terminal to the red wire terminal and from the blue wire terminal to the red wire terminal. Sleeve the longer ends of the resistor.



Motor Tabs

Alternately, delicate soldering to circuit board can be avoided by leaving the wires connected to the pcb and connecting the resistors to the end of the wires removed from the pot. Insulate well and tuck them under the pcb in the area where the pot was mounted.

Step 5 - Reinstall the circuit board. Solder motor tabs and reassemble the servo. Test for proper operation.

Note: The resistors used can be 2200-2700 ohms, but both must be the same value. If resistors are not mounted on the pcb, larger 1/4 watt resistors can be used.