

CANNON R/C SYSTEMS

SPECIAL OPERATIONAL PROCEDURES FOR ULTRA-MICRO AND MICRO-ELITE R/C SYSTEMS

SERVOS - Because of their small size and light weight these units require special care. Although servos are powerful for their size, working parts such as gears and motors need careful handling so as not to overstress or overload them.

1. NEVER try to ROTATE or REPOSITION the servo output arm by hand, or gear damage could result. Use a transmitted signal from your TX/RX to position servo outputs as needed.
2. Never lube the servo components.
3. Do not operate servos from sources greater than six volts.
4. ALWAYS leave the end grommets installed on the servos. They serve to clamp servo case top and bottom together to maintain alignment.

CENTERING SERVOS

1. Place all Transmitter controls, including trims, in neutral position.
2. Turn on Transmitter and Receiver. Plug servo into Rx channel to be centered.
3. Remove screw holding servo output arm if centering is required.
4. Insert centering tool (3/64" jewelers screwdriver) into hole in output arm until it bottoms in slot.
5. Apply pressure on tool in direction opposite that of desired servo centering change. Output arm will rotate to a new position. Adjustment is quick and touchy, so a few tries may be needed before correct centering is obtained.
6. Carefully withdraw centering tool so as not to change servo center. Replace output arm screw.

AILERON MOUNT - This unit is designed to accommodate either the Ultra-Micro or Micro-Elite servo. When used with the Micro-Elite (larger Servo), the small internal mounting tab can be cut off, leaving only the two farthest spaced mounting tabs. However, the small internal tab is required to fit the Ultra-Micro Servo. In either case you might find it desirable to trim portions of the mount slightly to obtain a better fit for the servo is use.

CHARGING RECEIVER NICAD BATTERIES

All Cannon Rx batteries may be charged with our Standard 50 mil output Charger, Dual or Flite Pack, without damage. Each battery pack is supplied with a charge reducer or diode circuit, as needed, to maintain correct charge rate.

IMPORTANT

CHARGE LIMITERS FOR THESE SMALL BATTERY PACKS REDUCE CURRENT TO A SAFE LEVEL TO THESE BATTERIES WHEN CHARGING, SO THEY CAN BE SAFELY CHARGED OVERNIGHT. AS A RESULT, CHARGE CURRENT IS TOO LOW FOR CHARGER LED'S TO LIGHT. CHARGER OPERATION CAN BE CHECKED BY INSERTING THE AUDIO CHARGE PLUG SLOWLY INTO THE RELATED CHARGE RECEPTACLE AND OBSERVING A MOMENTARY LIGHTING ON THE LED. SEAT THE CHARGE PLUG FULLY INTO THE RECEPTACLE, THEN THE LIGHT WILL EXTINGUISH, BUT THE BATTERY WILL BE CHARGING EVEN THOUGH THE LED IS DARK. DO NOT ALLOW THE LED TO CONTINUE TO GLOW OR THE SHORT WILL DAMAGE THE CHARGER.

50 MAH BATTS - A separate Charge Limiter is provided with each 50 mah batt for charging. To charge, first unplug the battery from the receiver, then connect the Charge Limiter to the battery cable plug. Turn the battery switch ON (move switch lever towards the battery). Then, when the Rx audio charge plug on the charger cable is inserted into the 50 mah battery, Charger operation can be verified by the brief LED flash which occurs before PLUG IS FULLY INSERTED in the charge receptacle. Charge overnight if desired with Receiver Battery Switch ON, Tx Switch OFF.

75, 110 AND 270 MAH BATTS - On these units, a charge receptacle is built in adjacent to the ON-OFF Switch. With the switch OFF, plug in the audio charge plug slowly, observe flasher indication of charge action, then seat charge plug fully until LED extinguishes. Battery will charge as long as switch is OFF. EXCEPTION 270 Mah batt pack. Charge procedure is the same except that a diode in the charge circuit permits sufficient current to flow so the Rx LED normally remains lit while charging.

CAUTION

WHEN CHARGING ANY SIZE RECEIVER BATTERY USING AN AUDIO CHARGE PLUG FITTING INTO A CHARGE RECEPTACLE, MAKE ABSOLUTELY SURE THE CHARGE PLUG IS PUSHED FULLY INTO THE CHARGE RECEPTACLE UNTIL IT SNAPS INTO PLACE. OTHERWISE AN ELECTRICAL SHORT WILL REMAIN TO DRAIN THE BATTERY AND BURN THE WIRING.