The Ray Allen Company Inc.
1341 Distribution Way Ste 15, Vista, CA 92081 USA Ph 760 599 4720 Fx 760 599 4383
www.rayallencompany.com

G101 STICK GRIP

INSTALLATION INSTRUCTIONS

STEP #1 - SWITCH WIRING

The G101 grip includes a 50 milliamp SPST momentary contact switch. This switch is designed to be connected to a radio/intercom that expects a ground signal input to transmit.

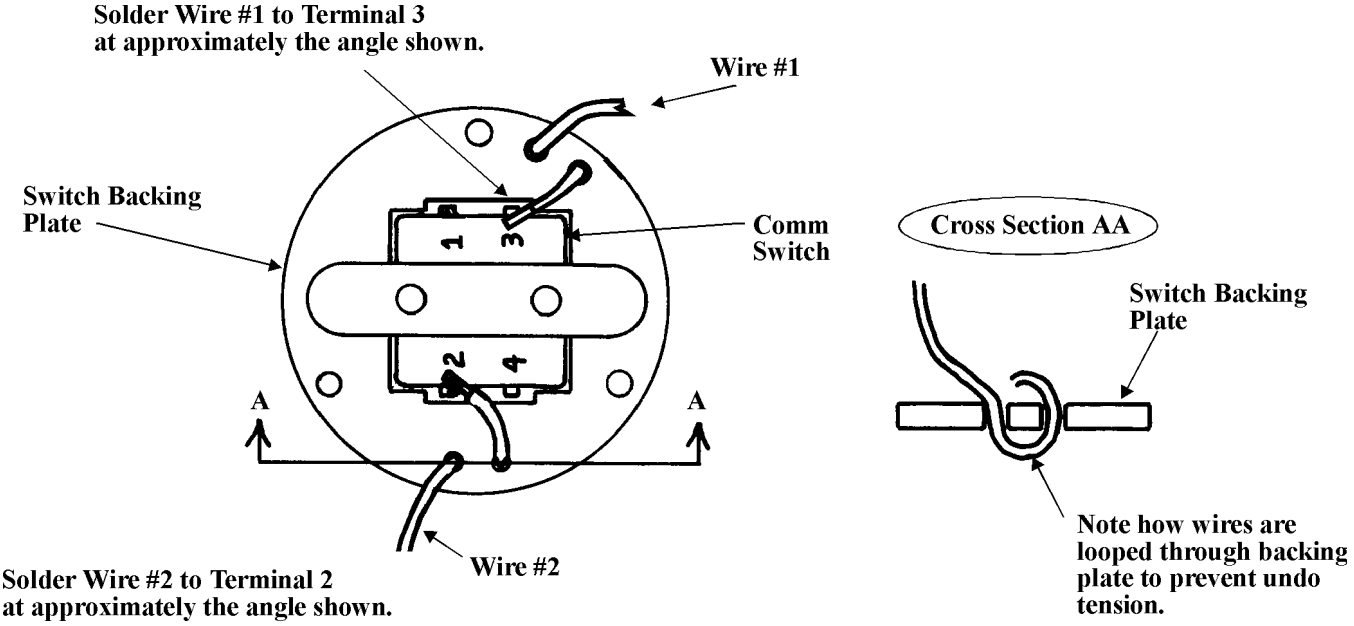
The communications (comm) switch is already pressed into the switch backing plate at the factory. Look closely and you will see that the switch terminals are numbered as shown in Figure 1.

Two identical, white wires are included in your G101 kit. Call these Wires #1 and #2. It does not matter which wire goes to ground and which wire goes the radio. Solder Wire #1 to Terminal 3 on the comm switch as shown in Figure 1 (Figure 2 may also provide a good reference). Thread the wire through the two holes in the backing plate as shown. This will secure the wire and prevent it from being pulled off later in assembly. Don't thread the wire through the screw hole nearby.

Solder Wire #2 to Terminal 2 on the back of the comm switch. Thread this wire through the backing plate as you did Wire #1.

To check for proper wiring, use a multimeter to verify that there is continuity between Wire #1 and Wire #2 when the comm switch is depressed.

FIGURE 1

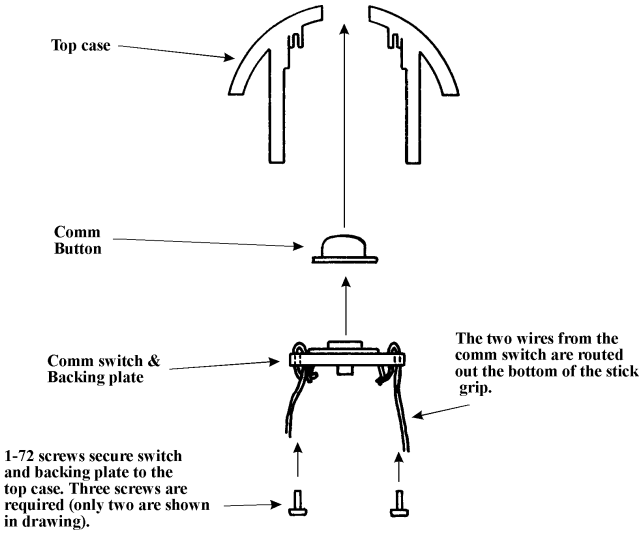


STEP #2 - INSTALLING COMM SWITCH

Place the black plastic comm button into the top case as shown in Figure 2.

Place the comm switch and its backing plate into the top case and secure them with the three, 1-72 screws provided. It's a tight squeeze, so use a pair of small needlenose pliers to place the screws in position.

FIGURE 2



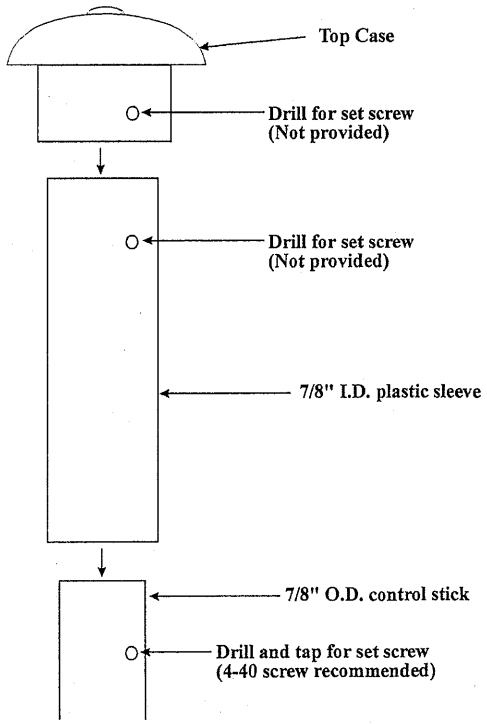
STEP #3 - INSTALLING COMPLETE STICK GRIP

The Ray Allen G101 Stick Grip is made of UV and oil resistant foam and nylon. It will slide directly onto 1" diameter control sticks. Plastic sleeves are provided to allow the stick grip to fit onto 3/4" or 7/8" diameter tubing.

Blow compressed air when you slide the foam grip on to the control stick or spacer. This momentarly expands the foam grip allowing it to slide down without friction. There are other ways to reduce this friction (soapy water, special greases), but compressed air works best.

The figure to the right shows a sample installation onto a 7/8" control stick. If you have 3/4" diameter control stick, simply substitute the 3/4" I.D. plastic sleeve.

FIGURE 3



Warning: Installation and use of Ray Allen Company products is the responsibility of the aircraft designer and builder. Use of Ray Allen products in any application which will exceed their capability can cause failure leading to injury or death.