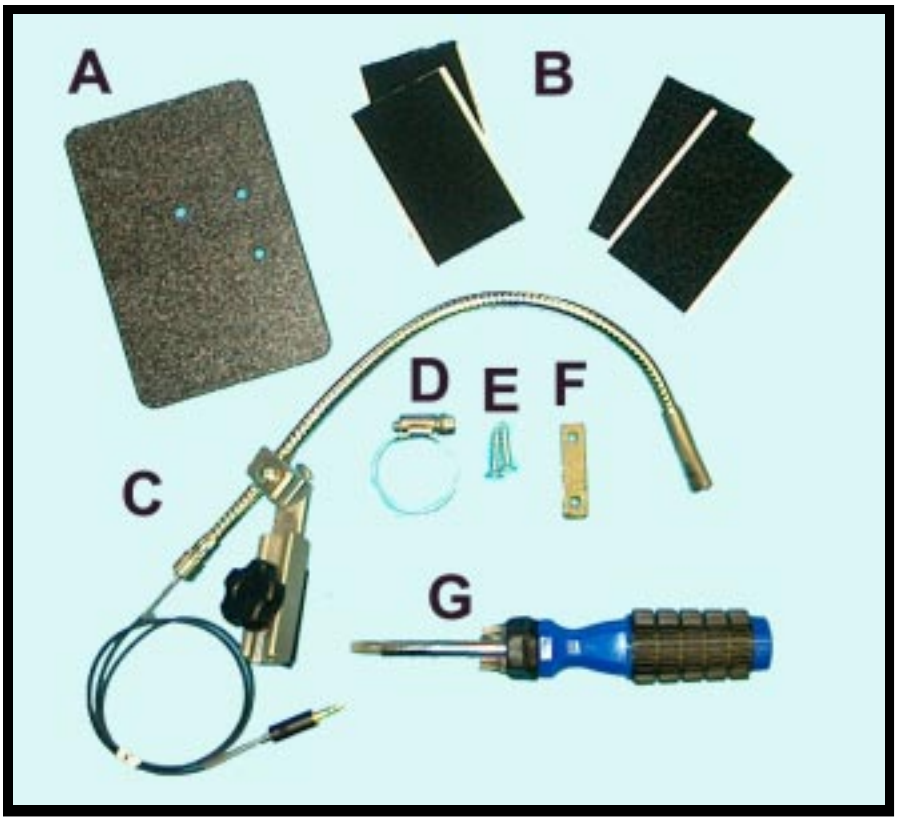
SCATIR Switch Gooseneck Sensor Mounting Kit

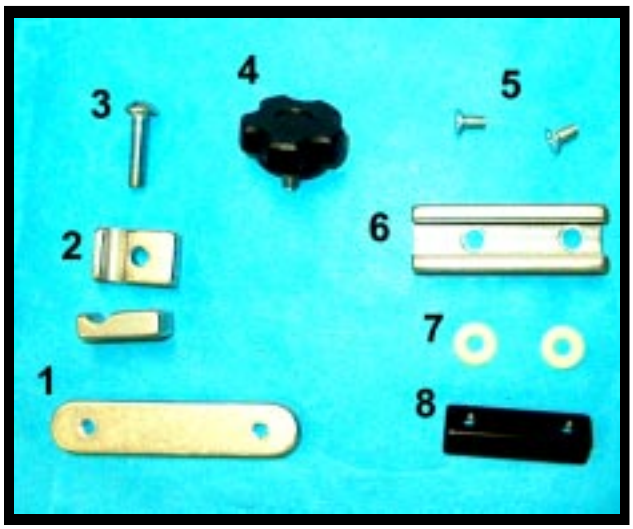
The SCATIR switch gooseneck sensor is equipped with standard microphone mounting, 5/8-27 thread. Many mounting devices such as pedestals, flanges, couplers and extensions are available to assist in mounting the gooseneck. These products are often available through music supplies or electronic and radio stores.

The Artificial Language Laboratory can also provide various clamps and couplers to assist you in mounting the gooseneck. The items described below are available from the Artificial Language Laboratory in the gooseneck mounting kit.



A. ABS Plastic Mounting Plate
B. Adhesive-backed Velcro®
C. Quick Release Gooseneck Mount assembly (shown with gooseneck, which is available separately). See next page for details.
D. Band Clamp
E. Self Tapping Screws (#10, 1 inch long, Phillips, flat head)
F. Threaded two-hole metal bar
G. Multibit Screw Driver

Quick Release Mounting Unit



Quick Release Mount Parts

1. 3/16 by 3/4 Bar
2. Split Block Clamp
3. 1/4-20 x 1 Machine Screw
4. Fluted Knob
5. 10-32 by 3/8 Flat Head Phillips Machine Screw
6. C- Channel Socket
7. Spacers
8. Saddle

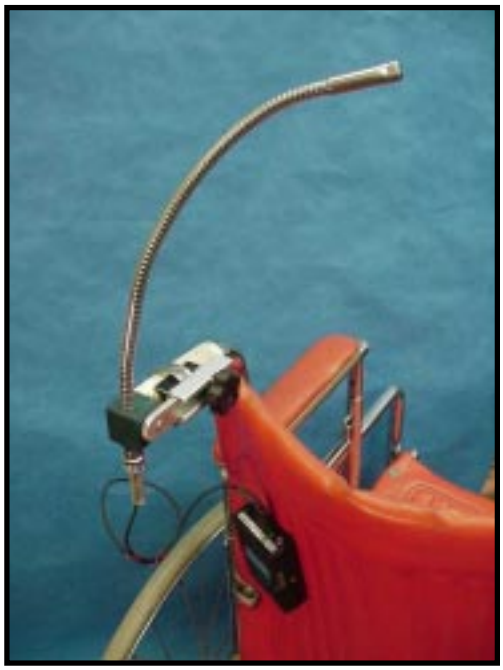
The parts in this picture come assembled in the kit. This assembly can be used with other parts of the kit, such as the band clamp or self-tapping screws for various mounting configurations.

The bar with the split block clamp and fluted knob will slide easily in and out of the C-channel socket as shown at the left. The fluted knob is used to lock the bar in place in the socket.

Mounting Examples

The following examples are provided only to show some of many possible variations.

- **Attaching the Quick Release Mount to round, square, or other shaped tubing.**



Quick Release Mount attached to wheelchair cane handle (Two Views).

- **Attaching the C Channel Socket to tubing using the Band Clamp and Saddle**

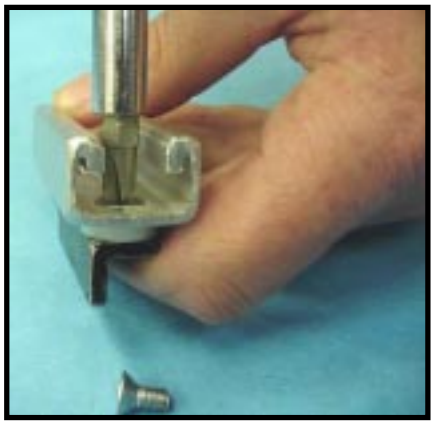
Quick Release Mount attached to wheelchair arm rest tube.

Thread the band clamp over the saddle and around the tubing as shown. As the band clamp is tightened be sure to feed the loose end of the clamp under the C-channel socket so it will not protrude. Various tapes can be applied to the band clamp after tightening to further pad it if needed.

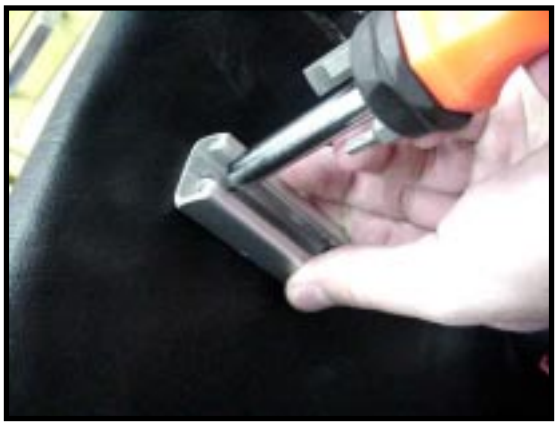
Mounting Examples, Continued

- **Attaching the Quick Release Mount to flat surfaces.**

- **Quick Release Mount Attached to a Plywood Core Wheelchair Back**



Using the number 2 (largest) Phillips bit to remove the saddle from the C-channel socket.



Using the number 1 (smallest) Phillips bit make holes into the plywood back by pushing and turning the screw driver. The hole needs to be deep enough to allow the self tapping screw to start.

Mounting Examples, Continued

- **Quick Release Mount Attached to a Plywood Core Wheelchair Back (cont.)**

Use the number 2 (largest) Phillips bit to secure the C-channel socket to the back with the Self-tapping Screws.

The spacers help keep the socket away from the surface and prevent interference when sliding the bar and gooseneck assembly in and out.

Mounting Examples, Continued

• SCATIR Gooseneck Quick Release Mount and Plastic Mounting Plate

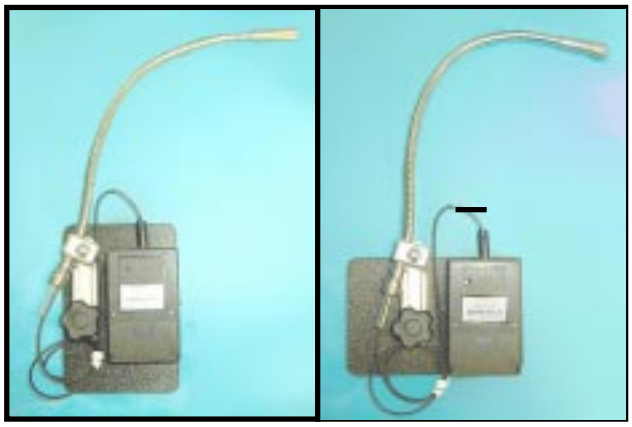
The SCATIR gooseneck quick release mount and mounting plate are useful for mounting the gooseneck to flat surfaces. These surfaces may be the side or back of a wheelchair or the side of a workstation or desk or headboard of a bed.

ABS Plastic Mounting Plate

The mounting plate is made from ABS plastic that can easily be cut to a different size with a fine tooth saw or large tin snips. A band saw, table saw or hack saw are all capable of cutting this material.

Mounting the quick release mount to the plastic mounting plate

The saddle (Part 8, page 2) must first be removed from the C-channel socket (Part 6, page 2). The C-channel socket can then be mounted to the plastic mounting plate (A, page 1) in one of two positions shown. The threaded two-hole metal bar (F, page 1) is attached behind this plastic mounting plate. The two spacers (7, page 2) are not needed.



(a)Vertical mounting (b) Horizontal mounting
Gooseneck attached to mounting plate with split block clamp. SCATIR switch attached to mounting plate beside gooseneck.

Velcro®-Like Mounting

If a removeable mounting is desired, adhesive-backed Velcro®-like hook-and-loop fastener is included to mount the plate to the desired suface. We recommend cleaning the surfaces with alcohol before bonding the hook-and-loop fastener.

The Velcro hooks can be bonded to the plate and the softer loops can be bonded to the wheelchair or desk surface. This softer material feels more comfortable when the plate is removed. Additional adhesive-backed Velcro is available at Radio Shack, Sears, JoAnn Fabrics, and other hardware and craft stores.

Screw Mounting

The ABS plastic mounting plate included in the kit may also be drilled and screwed into place if a more permanent mounting is desired.

The size of the plate (4 by 6 inches) is large enough to attach the SCATIR switch next to the block clamp. This makes the whole assembly easily removable as one unit.

Mounting to Other Surfaces

The block clamp can also be removed from the plate and attached directly to other surfaces. If it is desired to attach it to materials thicker than 1/8 inch, then a longer screw will be needed. The screw is a 1/4-20 (quarter-inch diameter, 20 threads per inch), round-head screw. Most hardware stores carry 1/4 -20 screws of varying lengths.

For further information, please contact the Artificial Language Laboratory.