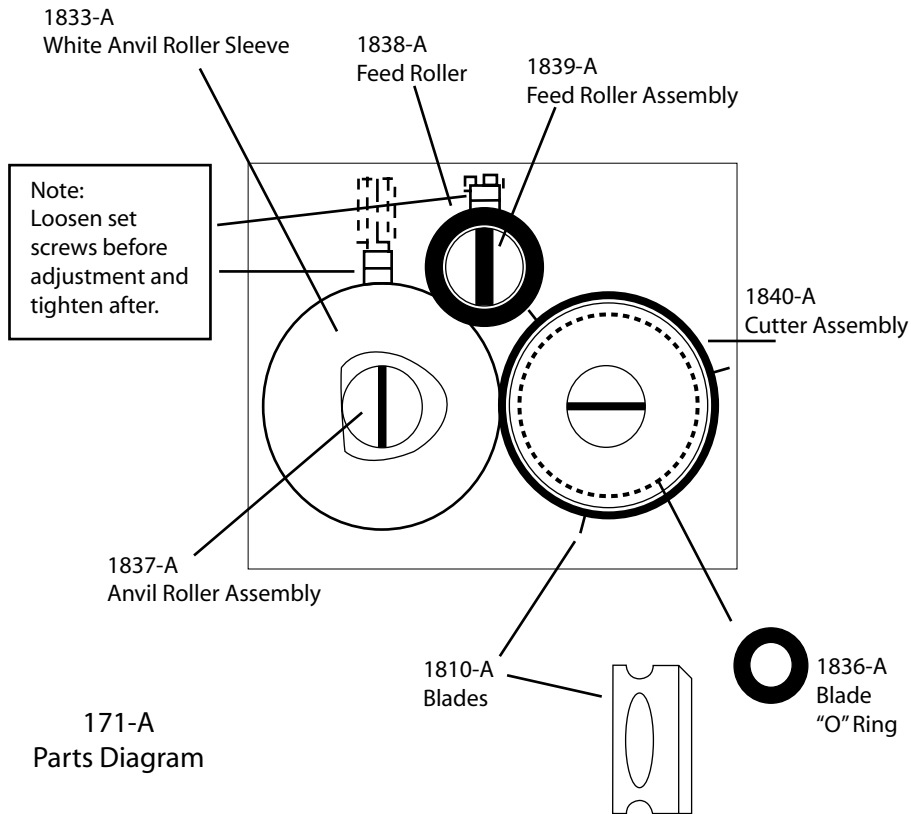


# Air Driven Chopper Gun 171-A

## Usage Instructions & Parts List



171-A  
Parts Diagram



## Operating Instructions & Suggestions

A hand held, variable speed air powered chopper gun for coating molds or parts with glass reinforcement. Continuous glass roving is fed into the rear of the gun. The gun then chops the roving into short pieces and deposits them onto the mold. Resin is then applied by brush, roller or sprayed on using a cup gun.

The length of the fibers can be varied from 4" down to 5/16". This gun will deposit the equivalent of one layer of 1 oz mat onto a vertical surface without fall-off before wet-out.

Ideally suited to quick mold or part build-up once the first layer or two are in place. Use a saturation roller to remove trapped air. Works with #522 Gun Roving or #292 Graphite Tow.

### Care:

Your chopper is a precision built tool, manufactured in the USA by expert craftsmen. With reasonable care you will enjoy long, trouble free service. The following are suggestions to achieve that long life.

1. Be sure glass strands are not contaminated with dirt or resin.
2. Always remove power source before removing cover.
3. Always wear safety glasses.
4. Replace blades 1810-A and anvil roller 1833-A at the first sign of wear. (Keep a good supply of these parts handy.)
5. Put a few drops of oil in air source daily.
6. Check daily for loose screws and nuts.

### Operation:

Fold glass strand back 2" for easy insertion in glass guide busing of cover. Press control slightly. Glass will engage feed roller 1838-A and chopped glass will discharge from rectangular opening in the front of the chopper. More pressure on trigger will increase glass delivery. To shorten the strand length, add extras blades to the cutter roller. Removing blades will lengthen the fibers. Make sure anvil roller is first adjusted properly following the instructions below.

### Troubleshooting:

Problem	Probable Cause
Long Strands	Anvil roller adjusted wrong Dull Blades
Short Strands	Anvil roller adjusted wrong Feed roller assembly needs lubrication

### Output:

Model 171-A - 3.5 lbs/min  
70 to 100 psi - 3.5 CFM

### Adjustments

Anvil Roller: Insert 3/32" hex key into center hole of chopper plate. Looking down at chopper components, and anvil roller to your right, turn anvil roller clockwise until it makes contact with knurled surface below the blades. Tighten set screw with hex key. Then adjust feed roller by loosening the set screw adjacent to the first and adjusting feed roller clockwise until .010" clearance is achieved between feed and anvil rollers; tighten set screw. (Too loose adjustment causes long strands; too tight may cause short strands or excessive wear on 1810-A, 1833-A, or 1837-A) Replace cover.