



ALEMBIC

Description: Adding a Q-switch to an AE-1 filter	Part Number: 025-001
Drawn By: MW	Date: 24 JUN 1997
Other Notes:	

Overview

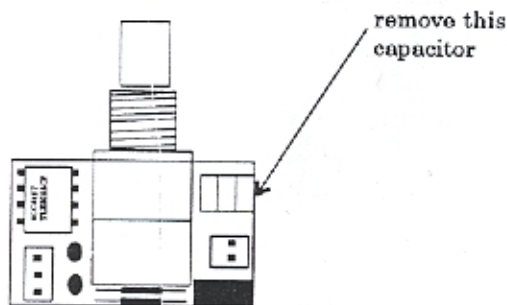
You will remove one box-type capacitor and replace it with an axial capacitor of the same value and mount that to the supplied SPDT switch. The addition of the switch allows you to bypass the preset Q of the filtering system.

Procedure

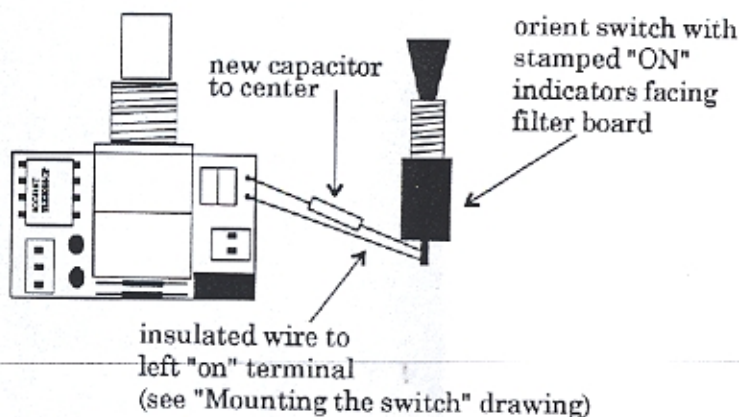
1. Remove the 15N box capacitor as indicated in diagram below.
2. Install one leg of new 15N axial capacitor in one of the holes the box capacitor was in.
3. Install insulated wire in other hole.
4. Orient switch as shown in "After" drawing and solder free leg of capacitor to center terminal of switch.
5. Solder free end of insulated wire to left "ON" terminal of switch (see "After" and "Mounting the switch" diagrams).

You can either leave the switch in the electronics cavity or drill a 1/4" mounting hole (see "Preparing the switch mount" diagram below) through the face of instrument and mount switch with provided hardware. Normal operation is Q boost on when paddle is toward the floor.

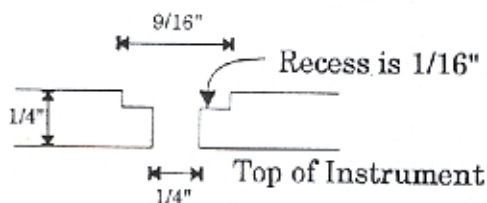
Before



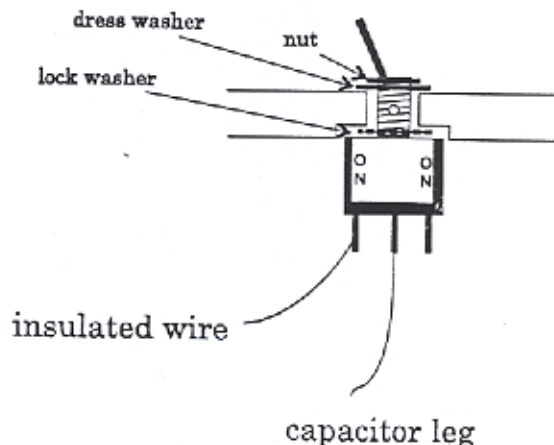
After



Preparing the switch mount



Mounting the switch



This kit contains:

- 1-15N axial capacitor
- 1-SPDT switch
- 1-nut for switch
- 1-lock washer for switch
- 1-dress washer for switch
- 1-instructions

Metric equivalents

1/16"	1.587mm
1/4"	6.350mm
9/16"	14.287mm