

Service Bulletin #: AC-022509
Date: 25 February 2009
Models Affected: ANY AIRCRAFT WITH BLOWER P/N's LISTED BELOW
Compliance: OPTIONAL, AT CUSTOMERS DISCRETION

This Service bulletin is in response to an audible tone that may be present in some brands of audio panels installed in aircraft with our Blower Motors;

- PN: 050084 (Series) 7" inch motors
- PN: 050143 5" inch motors
- PN: 490011 8" inch motors
- PN: 610000 7" inch motors
- PN: 620000 7" inch motors
- PN: 660000 7" inch motors
- PN: 660001 7" inch motors
- PN: 670000 5" inch motors

It has been found that this can be corrected by the installation of Lone Star Aviation Inc. Filter Model No. LS03-01012 70 Amp. See diagram 1.

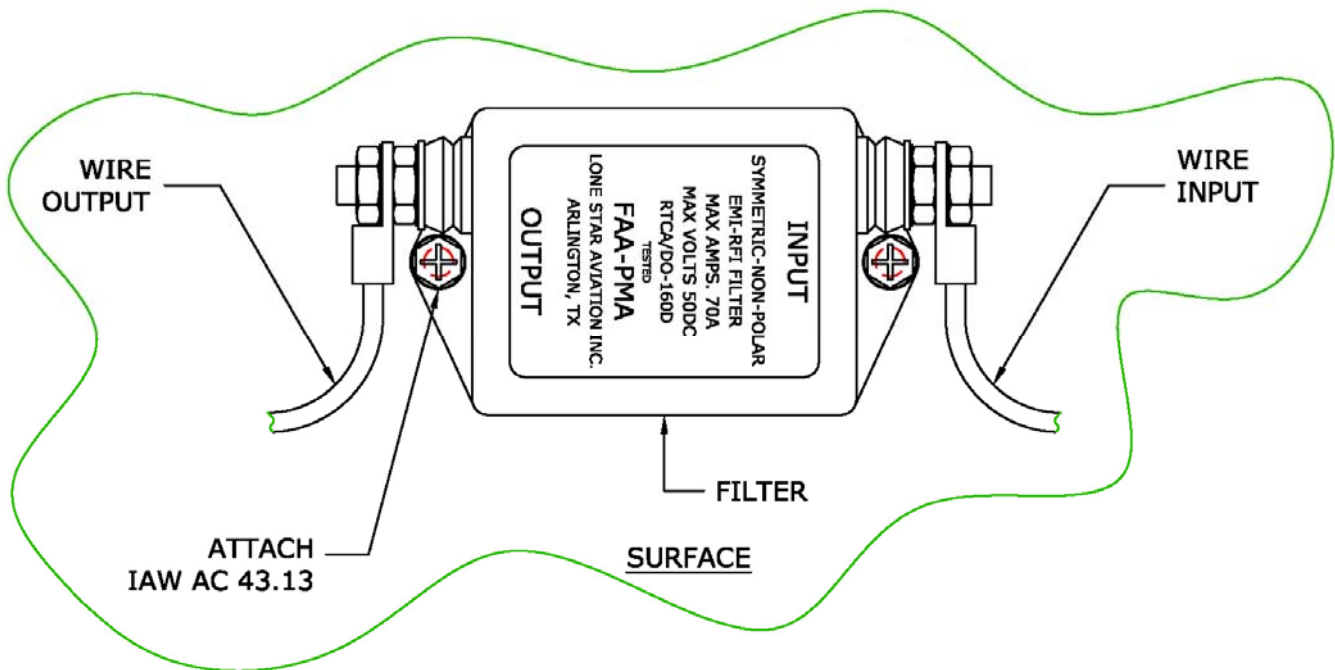


Diagram 1

Model No. LS03-01012 70 Amp Filter Installation Instructions

Step 1 Unpacking

1. Carefully unpack the filter, check for damage. If the container or the filter have been damaged, contact Integrated Flight Systems customer service representative to report the incident.

Step 2 Attention

1. Read these instructions carefully and thoroughly. If you have any questions, please contact your Integrated Flight Systems representative for clarifications.

Step 3 Installation

1. Disconnect motor leads at original connector. Attach 16 gage wire to IFS power lead with butt splices. Use new butt splices and re-crimp.
2. Attach filter to shelf, transmission deck, aft firewall of cabin or mounting structure for aft condenser installations.
 - a. Drill 2 each #10 hole, varnish. Attach to battery shelf or aft firewall of cabin with suitable hardware per AC 43.13.

This part should be installed IAW CFR-14 PART 43 and AC 43.13.1B

If further filtering is required for audio panel, then Lone Star Aviation Corp. Filter
PN: 122253-10A May also be installed. See diagram 2.

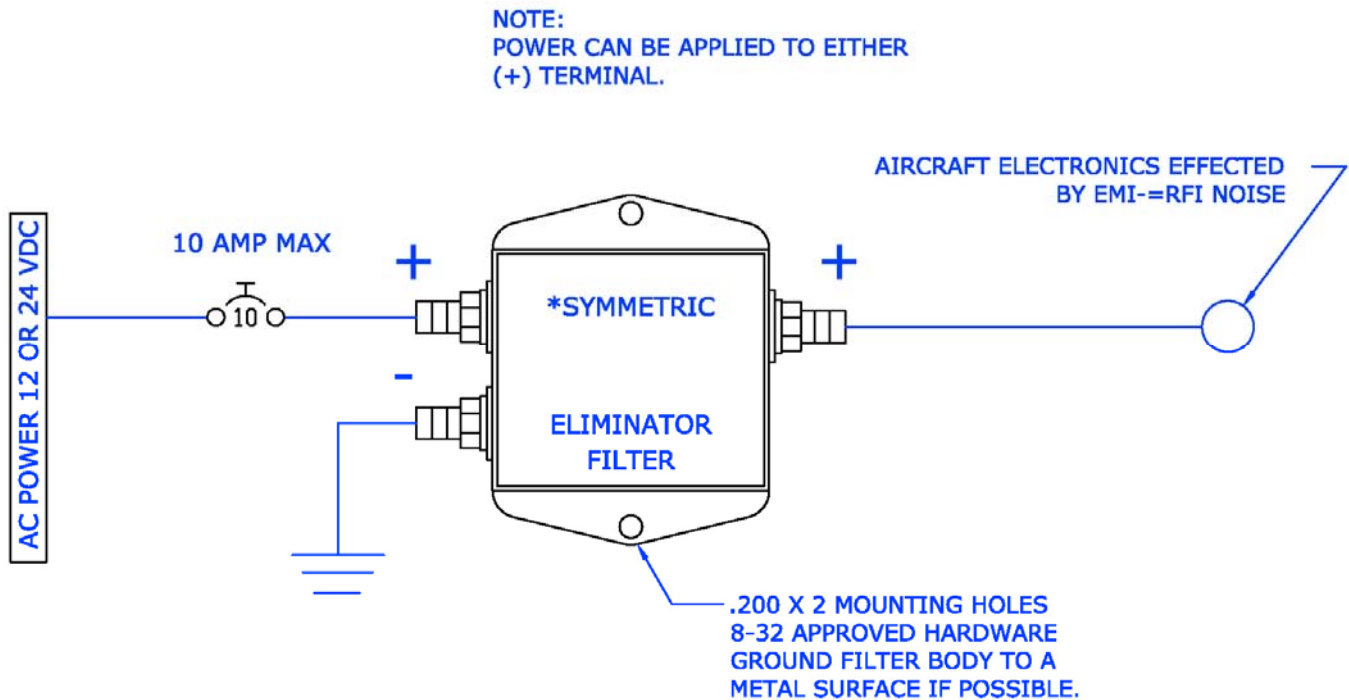


Diagram 2

PN: 122253-10A Filter Installation Instructions

Step 1 Unpacking

1. Carefully unpack the filter, check for damage. If the container or the filter have been damaged, contact Integrated Flight Systems customer service representative to report the incident.

Step 2 Attention

2. Read these instructions carefully and thoroughly. If you have any questions, please contact your Integrated Flight Systems representative for clarifications.

Step 3 Installation

3. The filter can be mounted next to the source generating the noise as well as at the equipment receiving the noise. Mount the metal case to the metal body of the aircraft to ensure effective grounding. Use the proper hardware to fasten each mounting flange on each side of the filter. Torque IAW AC 43.13 or applicable aircraft service manuals. DC power from the circuit breaker should be attached to (either) A+ Input terminal on the filter. The filter is a non polar, symmetrical circuit. The wire size (awg.) should be large enough to handle the rated current of the circuit breaker. The filter is rated and approved for (10) amps only. The same wire gauge should be attached to the equipment being filtered and powered.

Step 4 Verify Ground

1. The filter case body and ground terminal should be at aircraft ground. Verify the ground circuit with a (DDM) from the filter's ground lug to A/C ships ground.

This part should be installed IAW CFR-14 PART 43 and AC 43.13.1B