



**SUBJ:** Electrical Power

*This is information only. Recommendations aren't mandatory.*

## **Introduction**

This Special Airworthiness Information Bulletin (SAIB) advises you of an airworthiness concern on Piper Aircraft, Inc. (Piper) Models PA-28-161 (Warrior III), PA-28-181 (Archer III), PA-28R-201 (Arrow), PA-32R-301 (Saratoga II TC), PA-32R-301T (Saratoga II HP), PA-32-301FT (6X), PA-32-301XTC (6XT), PA-34-200T (Seneca V), PA-44-180 (Seminole), PA-46-350P (Mirage), and PA-46-500TP (Meridian) airplanes where possible failure of a Transient Voltage Suppressor (TVS) may result in an increase in workload for the pilot.

This airworthiness action has been taken after consideration of the responses from Piper as well as airplane owners/operators through relevant associations and type clubs, using the procedures found in the Small Airplane Directorate Airworthiness Directives Manual Supplement (Airworthiness Concern Process Guide).

At this time, this airworthiness concern is not considered an unsafe condition that would warrant an airworthiness directive (AD) action under Title 14 of the Code of Federal Regulations (14 CFR part 39).

## **Background**

Piper aircraft equipped with particular Transient Voltage Suppressor (TVS) devices have been failing in the field. The TVS failure may result in the loss of Primary Flight Display (PFD) function due to circuit breaker trip, as well as smoke or the smell of smoke in the cockpit. There have been 11 reported field failures of TVS devices in Piper airplanes as of the issuance of this SAIB. The defective TVS devices have been isolated by Piper to discrete manufacturing lots. The aircraft serial numbers affected by Piper Service Bulletin No. 1187 is limited to the defective lots.

## **Recommendations**

Per Piper Service Bulletin No. 1187 (dated February 8, 2008), we recommend that you inspect and determine the lot number printed on the TVS device(s) installed on your aircraft. If the TVS device(s) lot number match those specified by the referenced service bulletin, we recommend you remove and replace the TVS device(s) per the Piper service bulletin.

## **For Further Information Contact**

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**For Related Service Information Contact**

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