

# U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

## Airworthiness Directive

**76-25-06 PIPER AIRCRAFT CORPORATION:** Amendment 39-2788. Applies to PA-28-140 airplanes serial numbers 28-20000 through 28-7125471 equipped with flexible engine-to-oil radiator hose assemblies Piper Part Numbers 63794-16 or 61413-02 certificated in all categories.

Compliance required as indicated.

To prevent a possible rupture of oil hose assemblies 63794-16 or 61413-02, and subsequent engine stoppage, accomplish the following:

(a) For airplanes with 950 or more hours time in service on the effective date of this AD, comply with paragraphs (c), (d) and (e) within the next 50 hours time in service.

(b) For airplanes with less than 950 hours time in service on the effective date of this AD, comply with paragraphs (c), (d) and (e) before the accumulation of 1000 hours time in service.

(c) Unless already accomplished, remove both oil radiator hose assemblies, Piper Part Number 63794-16 or 61413-02, whichever is installed.

(d) Install two oil radiator hose assemblies, Piper Part Number 63901-72 or equivalent oil hose assemblies approved by the Chief, Engineering and Manufacturing Branch, Federal Aviation Administration, Southern Region. Adjust the oil hoses to insure at least a minimum clearance of 1 3/4" between the oil hoses and the front exhaust stacks. Both oil lines must be tied firmly together where they pass below the exhaust stacks. As the hose is routed to the rear of the engine, it must pass underneath and behind the electrical ground cable in front of the lower of the two engine mount struts. The hose must be tied to the engine mount strut at this location so that a minimum clearance of at least two inches is maintained between the oil hose and exhaust stack (see sketch below).

(e) After installing the replacement hose assemblies, run the engine for a few minutes to insure that there are no oil leaks and that required clearance between oil hoses and the exhaust system will be maintained when the engine is warm.

This supersedes Amendment 39-1394 (37 F.R. 3508 and 37 F.R. 3509), AD 72-04-03.

Piper Service Bulletin 531 pertains to this same subject.

This amendment becomes effective December 23, 1976.

