



# Aviation Action Alert

**Route to:**SERVICE  
MANAGERSALES  
MANAGERBULLETIN  
BOARD*Bringing Power to Flight*

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91-1

**SUBJECT: OIL FILTERS CH48108 AND CH48109**

The previous Champion Aviation spin-on oil filter recall is being reassessed because of reports from the field indicating that the subject filters are still in use. Current production filters are not affected. In cooperation with the F.A.A., we are requesting your compliance with the Airworthiness Directive being issued to assure all remaining filters are removed from the field. Additionally, we have enclosed a copy of the General Aviation Airworthiness Alert.

All affected filters should be returned to your distributor for replacement.

ADVISORY CIRCULAR 43-16:

The filter elements of certain Champion Aviation Products, P/N CH48108 and CH48109, oil filters have been found to collapse under certain conditions, particularly cold weather starts. When the filter element collapses, the oil flow to the engine is restricted, oil pressure is reduced, and, if not detected, can result in engine failure. This problem was caused by changes introduced into the production line from September 1988 through January 1990. The defective filters can be identified by date codes having the middle 2 digits, 1A0 or 2A0. In order to purge these defective filters from distributor and dealer stock, Champion issued Aviation Action Alerts 89-7, dated December 1989, and 90-1, dated July 2, 1990, which called for the defective filters to be returned to distributors for credit or replacement, as well as calling for the removal of these filters already installed. At that time, it was thought that these action alerts would remove all of the defective filters from the field prior to the 1990-1991 winter season. However, service difficulty reports as recent as January 16, 1991, indicate the defective filters are still being used. Pilots and mechanics are being cautioned to verify that the oil filter date codes are not within the above range prior to installation. Any defective filters discovered in stock or on engines should be returned to Champion distributors. These filters are used on, but not limited to, the following airplanes and engines: Beech, Mooney, Cessna and Piper airplanes having TCM series engines 346, 360, 470, 520, 550, and 6-285.