



Ref: AD 80-25-07

12/5/80

S. I. No. M20-53

DATE: 12-10-80

**SUBJECT:** OIL COOLER INSPECTION AND REPLACEMENT, STEWART WARNER P/N 8432L, S/N 631 thru 964, and STEWART WARNER P/N 8406J, S/N 12557 thru 16212 MANUFACTURED PRIOR TO OCTOBER 16, 1980

**MODELS/ A/C**

**S/N AFFECTED:** Mooney M20J S/N 24-0922, 24-0972, 24-0973, 24-0975 thru 24-1001, 24-1003 thru 24-1016, 24-1018, 24-1019, 24-1021 thru 24-1057.

(Some aircraft will have oil coolers within above S/N's with manufacture date later than October 16, 1980; these are not affected.)

Spare oil coolers, within subject S/N's and dates, either installed on M20J, M20C, M20E, M20F and M20G aircraft other than aircraft S/N's above or not yet installed on aircraft.

**TIME OF****COMPLIANCE:**

Before further flight if aircraft has less than 10 hours or at next scheduled maintenance if aircraft has more than 10 hours of flight time.

**INTRODUCTION:**

Stewart Warner Company has determined that subject oil coolers may have been improperly rinsed during the manufacturing of the core. The following guidelines should be followed when screening subject oil coolers for possible return and evaluation.

**INSTRUCTIONS:**

- 1) Oil coolers, P/N 8432L and 8406J, regardless of S/N, that are stamped with a manufacturer's date of October 16, 1980 or later are not affected.
- 2) If the S/N of the oil cooler is within the subject serial numbers and date and has less than 10 hours service since installation it must be removed and returned to Mooney Aircraft Corporation before further flight. If the affected oil cooler has more than 10 hours of service since installation it must be replaced at next scheduled maintenance or sooner and returned to Mooney Aircraft Corporation.

**NOTE:** Include the oil cooler as part of preflight inspection before every flight until replaced. Look for external oil leakage through cowl air inlet opening and for excessive oil on inside of lower cowling and cowl flaps.

Instructions cont...

- 3) Replacement oil coolers, P/N 8432L and 8406J may be obtained through Mooney Marketing or Service Centers. The removed oil cooler and associated paperwork must be returned to Mooney Aircraft Corporation, P.O. Box 72, Kerrville, TX 78028, Attention: Service Parts.

Credit will be issued only after oil cooler, customer signed service bill, aircraft serial no. and proper warranty claims are received and processed by Mooney personnel.

- 4) Enter Compliance information in Engine Log Book and return aircraft to service.

REFERENCE  
DATA:

N/A See AD. 80-25-07

PARTS LIST:

	<u>P/N</u>	<u>Description</u>	<u>Qty.</u>
1)	620052-955	Oil Cooler, Seal & Doubler (S-W 8432L)	1
2)	620036-000	Oil Cooler, (S-W 8406J)	1

FIGURES/  
TABLES:

N/A