



SERVICE LETTER

Customer
Support

ATA SYSTEM: 24-30

S.L. NUMBER: S.L.MS17976-2-24-003

SUBJECT: Electrical Power - DC Generation - Transformer Rectifier Unit (TRU) Fan Motor Upgrade.

1. Effectivity.

- a) Units Affected: MS17976-2, with commercial P/N's: 28VS100Y-10A, 28VS100Y-10B.
Commercial P/N: 28VS100Y-10C has the new fan motor installed.

2. Reason.

- a) Problem/Condition: The MS17976-2 TRU Fan Motor Assembly exhibits a locked rotor condition.
b) Evidence: Several instances have been reported in service.

3. Description of Plan.

Champion Aviation Products is issuing this Service Letter to outline the procedures and define the policy for returning or repairing TRU's with inoperative fan motors.

Operators capable of replacing fan motors will be shipped a consignment lot of new fan motor kits after receipt of a Purchase Order from operators. These units will be used to campaign their fleet. The operator will return an equal amount of inoperative fan motors with a completed CAP 2000 form (attached to the end of this Service Letter) to Allied International. The in/out of warranty for the returned units will be determined by Allied International, and chargeable fan kits will be billed to the operator. Should the need for additional fan motor kits prevail, another lot will be consigned under the same conditions.

Operators who cannot replace fan motors will need to contact Allied International directly for availability of exchange TRU's on a consignment basis.

This process will continue until the operators entire fleet has been campaigned. Fan motors that may fail after the campaign will be replaced on attrition, following the same warranty conditions as outlined in Section 5 of this Service Letter.

Inoperative fan motor is defined as one which is not turning at all, or is turning slowly enough that each blade is visible with the human eye.

4. Campaign Compliance.

NOTE: Prior to inspection of TRU's on aircraft, ensure a sufficient number of retrofit fan motor assemblies or TRU's are available for repair or replacement on the aircraft. Failure to do so may ground the aircraft due to MEL (Minimum Equipment List) requirements. Champion Aviation Products must receive the CAP 2000 Form and the Fan Motor Assembly in order to document the inspection result and determine warranty status of the fan assembly.

The attached CAP 2000 Form must be completed and received along with the fan motor assembly to avoid the cost of the fan retrofit kit of \$1,374.89, if the fan motor is in warranty. Operators should retain a copy for their records.



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5. Warranty Fan Assembly Replacement.

Champion Aviation Products will supply FOC, (Free of Charge), upgrade - retrofit fan motor assemblies only for those TRU's still under warranty. The warranty period (48 months) begins with the shipment of the production TRU to Canadair and does not begin with the delivery date of the aircraft to the operator. (Note: MFG Date Code appears on nameplate). Returned fan motor assemblies will be tested to verify warranty eligibility. Any fan motor assemblies found operative will result in a charge of \$1,374.89 for the retrofit fan motor kit used to replace it.

Fan motors returned outside of warranty will be billed back to the operator at a cost of \$1,374.89 per unit, on the Purchase Order supplied for the consignment lots.

6. Warranty Fan Replacement Procedures.

- (a) Follow aircraft maintenance manual tasks for removal/installation and post installation and test procedures.
- (b) Once TRU is removed from aircraft, use Component Maintenance Manual 24-31-03 for inspection/testing and post installation testing of fan motor assembly.
- (c) Warranty Claim Preparation and Submittal.
 - 1. Operators are requested to submit with first warranty claim return of old style fan motors, a schedule reflecting future C-Checks by aircraft serial number and date. This schedule will be required to make sure new retrofit units are available at your maintenance base(s) prior to future C-Checks.
- (d) Returned Fan Motors.
 - 1. Complete all the open fields on the CAP2000 form and forward with inoperative fan motors to:

Mrs. Linda Birkmann
Allied International Corporation
7 Hill Street
Bedford Hills, NY 10507-1811
Phone: 914) 241-6900
Facsimile: (914) 241-6985

Warranty application will be determined and the operators informed as required.



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7. Weight Change.

(a) A small weight decrease of 0.3 lbs. per unit will be noted.

8. Electrical Load Data.

(a) Not affected.

9. References Documentation Required.

(a) Component Maintenance Manual 24-31-03, dated 08-28-00.

10. Other Publications Affected.

(a) None.

11. Material – Price and Availability.

Description	Part Number	Cost
Fan Retrofit Kit	2652652	\$ 1,374.89

12. Tooling – Price and Availability.

(a) None.

