



SERVICE LETTER

No. 814

Piper Aircraft Corporation

Lock Haven, Pennsylvania, U.S.A.

" DOA SO-1 Approved "

September 26, 1977 S

Subject: Cherokee Arrow III & Turbo Arrow III Refinement Program

Models Affected: Serial Numbers Affected:

PA-28R-201 Arrow III..... 28R-7737001 to 28R-7737045 Inclusive.
PA-28R-201T Turbo Arrow III..... 28R-7703002 to 28R-7703427 Inclusive.

Compliance Time: At owner/operator's discretion or next regularly scheduled inspection.

Purpose: This release is composed of five (5) individual parts of an overall product refinement program relative to the Arrow III and Turbo Arrow III. It is being published to summarize and make available recent product refinement features to affected Arrow III and Turbo Arrow III owners and/or operators.

The individual phases of this total product refinement program are enumerated below. Each part gives a brief description of the Purpose, related Instructions and Material Requirements if any.

PART I

Subject: Engine Mount Painting

Models Affected: Serial Numbers Affected:

PA-28R-201T Turbo Arrow III 28R-7703003 to 28R-7703008 Inclusive
28R-7703010 to 28R-7703066 Inclusive
and 28R-7703069

Purpose: It has been found that the engine mount paint in the area where the exhaust stack is in close proximity to the engine mount on the right hand side was deteriorating because of heat. This Service Release furnishes instructions for repainting a portion of the engine mount with a heat resistant paint.

Instructions:

1. Refer to Sketch "A" and completely remove all of the black paint in the area shown.

(over)

Instructions: (continued)

- 2. Repaint the area from where the paint was removed with the high temperature paint listed in Material Required below.

Material Required: High temperature paint Piper Part No. 763 415V, Randolph number TT-P-28 (MIL-P-14276) @ suggested unit list price \$ 4.88G.

PART II

Subject: Aileron Bellcrank Stop Assembly

Models Affected: Serial Numbers Affected:

PA-28R-201 Arrow III 28R-7737001 to 28R-7737044 Inclusive
PA-28R-201T Turbo Arrow III 28R-7703002 to 28R-7703080 Inclusive

Purpose: To add a longer threaded stop assembly which will increase the stop thread engagement.

Instructions: All the instructions necessary to install this refinement feature are contained within the kit.

Material Required: One (1) each per aircraft Piper Aileron Bellcrank Stop Replacement Kit, Piper Part Number 761 142V @ suggested unit list price \$ 49.30.

PART III

Subject: Winterization Plate

Models Affected: Serial Numbers Affected:

PA-28R-201T Turbo Arrow III 28R-7703002 to 28R-7703008 Inclusive
28R-7703010 to 28R-7703043 Inclusive

Purpose: To maintain proper engine oil temperature during cold weather operation.

Instructions:

- 1. Install information placard on right hand instrument panel cover in an appropriate location.
- 2. Store the plate on the right forward side of the engine firewall. Use the empty nut plate located about midway down from the top of the firewall and about three inches (3") inboard.

Material Required: One (1) each Placard, Piper Part Number 63408-00V and one (1) each Winterization Plate Piper Part Number 37793-02V @ suggested unit list price \$.44C and \$ 3.60, respectively.

PART IV

Subject: Landing Light Wire Re-Work

Models Affected: Serial Numbers Affected:

PA-28R-201T Turbo Arrow III 28R-7703003 to 28R-7703008 Inclusive
28R-7703010 to 28R-7703058 Inclusive

Purpose: The landing light wire directly behind the bulb had the insulation stripped from it to facilitate installation. The power lead to the bulb could possible come in contact with the other wire and cause the circuit breaker to open.

To prevent this from happening, this Service Release gives instructions on how to insulate this wire.

Instructions:

1. Disconnect the two (2) wires from the back of the Landing Light and insulate the wires with a suitable length of plastic sleeve or a strip of electrical tape.
2. Re-connect the wires to the Landing Light.

Material Required: Not Applicable.

PART V Superseded by SL 848

Subject: Exhaust Heat Shield

Models Affected: Serial Numbers Affected:

PA-28R-201T Turbo Arrow III 28R-7703001 to 28R-7703427 Inclusive.

Purpose: The exhaust heat shield that is presently installed has a relatively short service life. A new heat shield has been developed that will now give a satisfactory service life.

Instructions: Remove existing heat shield (P/N 35792-02V) and install the new heat shield (P/N 486 648V).

Material Required: One (1) each Piper Part Number 486 648V @ suggested unit list price \$ 72.50C

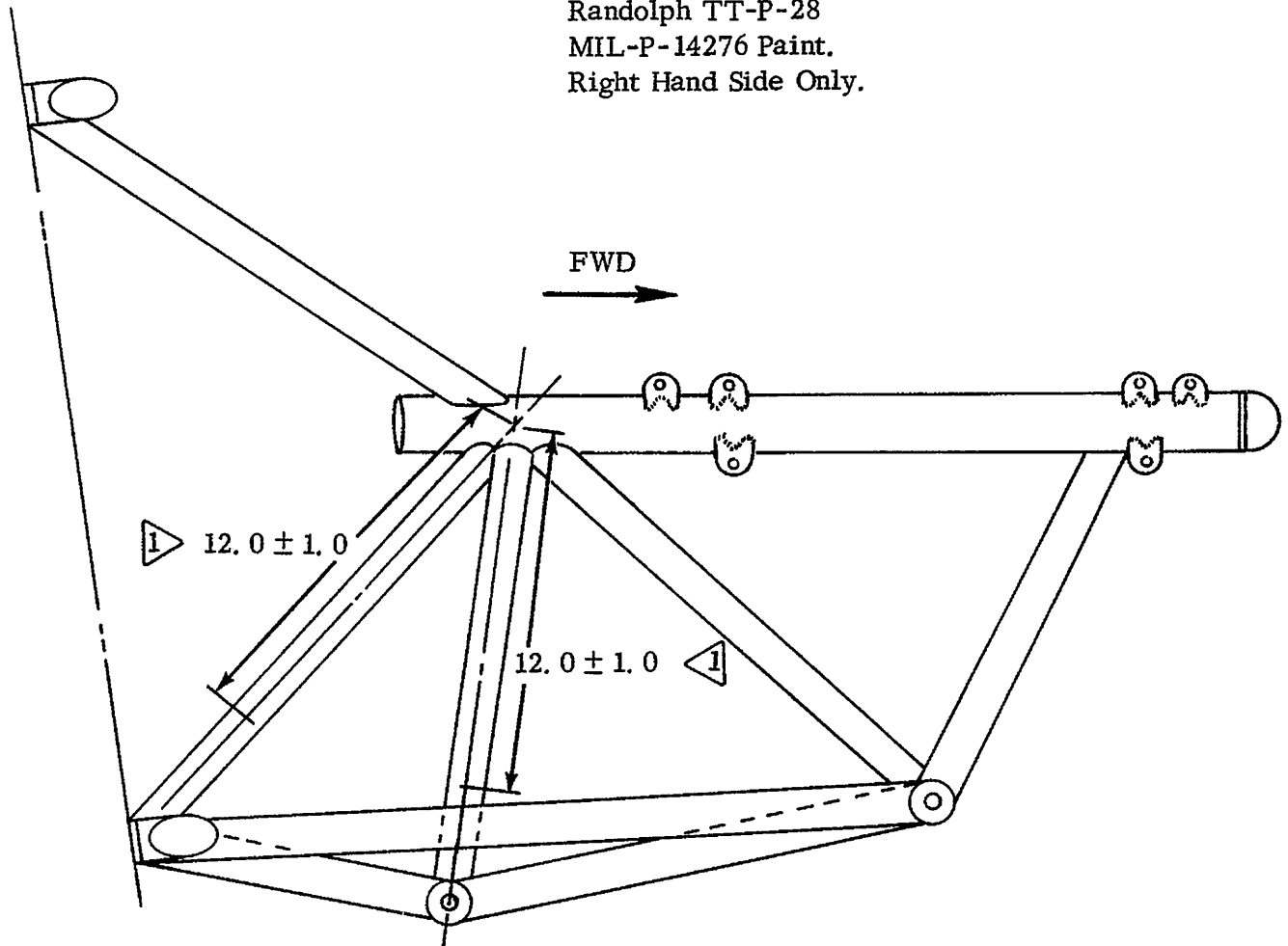
(over)

Availability of Parts: Your Piper Field Service Facility.

Effectivity Date: This Service Letter is effective upon receipt.

Summary: Please contact your Piper Field Service Facility to make arrangements to apply the individual features of the above referenced Product Refinement Program to affected aircraft. Providing installation arrangements are conducted through your Piper Field Service Facility, reimbursement for material and labor is available for affected aircraft in warranty as of issue date of this service release (Parts I through IV); reimbursement for material and labor is available for all affected aircraft specified in Part V.

1 Clean Area Noted
and Paint With
Randolph TT-P-28
MIL-P-14276 Paint.
Right Hand Side Only.



RIGHT SIDE VIEW OF ENGINE MOUNT