



INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

Fuel Pump Assemblies with RAM P/Ns 2969-1 and 2993-1 Installed

Drawing 3042

Rev I.R.

June 10th, 2020

Log of Revisions

Rev.	Change Description	ECN	By	Date
IR	Initial Release.		B Herndon	06/10/20

1.0 Introduction

This document provides instructions for continued airworthiness (ICA) for fuel pump assemblies with RAM P/N 2969-1 Mixture Control Shaft and 2993-1 Mixture Control Lever installed. These parts are approved for use via RAM Repair Specification 1972 Rev E *Fuel System Repair Specification* (RS1972).

Updates to this document are available from the RAM Customer Service Department or online. Contact information has been provided below.

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2.0 Description

The lever attaches to the shaft using a knurled interface. The RAM Repair Station found that the knurling on some of the original levers do not match the original shafts, and therefore do not interlock as designed. It is extremely important that the knurling matches to prevent slipping during operation and prevent damage to the knurling. As such, the RAM P/N 2993-1 Mixture Control Lever **MUST** be used with RAM P/N 2969-1 Mixture Control Shaft.

The 2969-1 shaft is not eligible for use with any other lever part number. The 2993-1 lever is not eligible for use with any other shaft part number. See Section 8 for information regarding part identification.

3.0 Control, Operation Information

There are no significant changes to the engine throttle, mixture, or propeller controls. There are no changes to the operating limits.

4.0 Servicing information

The following documents contain service information for the mixture control shaft and lever:

- Continental M-16 *IO-550 Permold Series Engine Maintenance and Overhaul*
- RAM Repair Specification 1972 Rev E *Fuel System Repair Specification*
- RAM Specification 2959 IR *IO-550-N Fuel System Overhaul Specification*

5.0 Maintenance Instructions

None

6.0 Troubleshooting

For troubleshooting, refer to the servicing information in Section 4.

7.0 Removal and Replacement

For removal and replacement, refer to the servicing information in Section 4.

8.0 Diagrams

The following figure shows how to identify the RAM P/N 2969-1 Mixture Control Shaft in the fuel pump assembly. The 2969-1 shaft will be marked with “RAM” above the swedge pin.

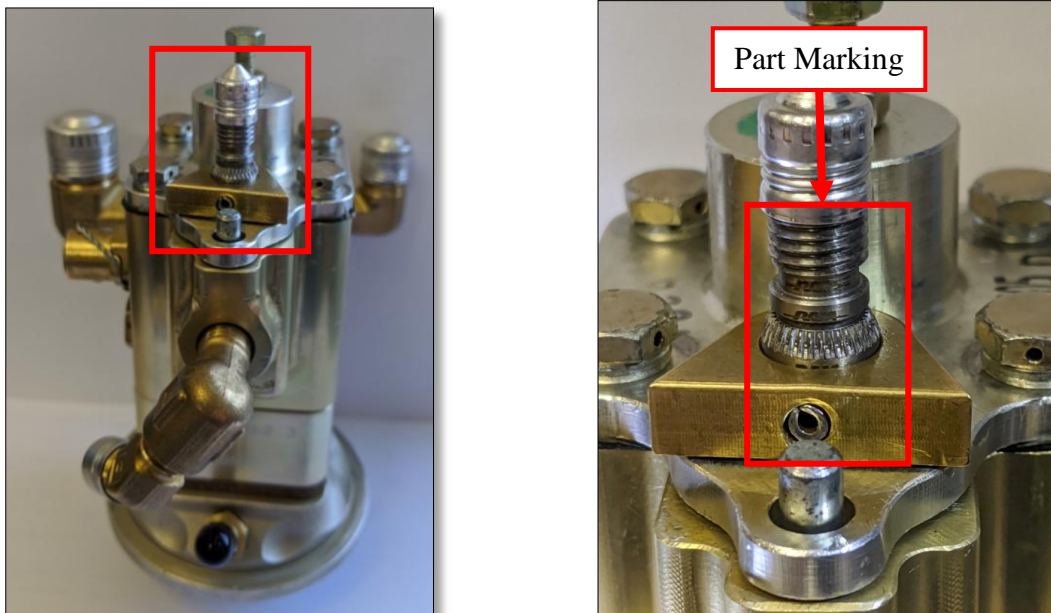


Figure 8.1
2969-1 Mixture Control Shaft in Fuel Pump Assembly

9.0 Special Inspection Requirements

None

10.0 Application of Protective Treatments

None

11.0 Data

For data related to torques and installation requirements, see servicing

12.0 List of Special Tools

None

13.0 Additional Information for Commuter Category Aircraft

None

14.0 Recommended Overhaul Period

Refer to service information in Section 4.

15.0 Airworthiness Limitations Section

The RAM mixture control arm and lever are only eligible for use as a set. RAM P/N 2969-1 shaft is not eligible for use with any other lever part number. RAM P/N 2993-1 is not eligible for use with any other mixture control shaft part number.