



UNIVAIR AIRCRAFT CORPORATION

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UNIVAIR®

MANDATORY SERVICE BULLETIN

There has been a field report that the rigid housing on the ends of the flexible shaft has come loose from the flexible shaft on one of our U12694 series throttle cables. This failure could cause loss of full travel of the throttle control.

Please Note: This report is not a failure of the core unit. This product receives a 100% pull test to over 100 lbs of the core unit.

To preclude any failure of the housing during service, the housing security should be checked prior to installation, if not already installed, or within the next 5 hrs of flight operation if already installed. Please proceed with the test in accordance with UNIVAIR MANDATORY SERVICE BULLETIN P-1 (noted on the following pages.)

Please notify Univair if there is any movement of the housing relative to the outside flexible shaft during the test. Univair will supply at no charge an exchange throttle control for all throttles failing the housing pull test. Please contact Univair to return any throttle not already installed. We will replace it, pre-paid, with a proof tested unit complying with the attached bulletin.

This bulletin is limited to only those throttle cables from the lots listed on page 1 of Service Bulletin P-1.

UNIVAIR MANDATORY SERVICE BULLETIN P-1
DATED 8/10/2007

Subject: Mandatory inspection of throttle casing (rigid sleeve) attachment to flexible housing. Compliance is mandatory prior to installation or within the next 5 hours of operation.

Applicability: J-3, PA-11, PA-12 and PA-18 Throttle Controls with the following part numbers and associated purchase order lot numbers:

NOTE: ONLY THE PART NUMBER CONTROLS FROM THE SPECIFIC PURCHASE ORDER NUMBERS LISTED BELOW ARE AFFECTED.

Part No.	Purchase Order Lot No. Noted on the PMA Tag	Date Received
U12694-002	500458	06/29/04
U12694-002	508420	08/03/07
U12694-000	505263	04/25/06
U12694-003	505654	06/30/06

Statement of Difficulty: There has been a report of the rigid sleeve swedge failing allowing the sleeve to separate from the flexible housing. This failure could limit throttle travel. If the throttle assembly is not yet installed, please return it to Univair for inspection and proof testing. It will be replaced with another proof tested part at no charge with pre-paid shipping. If the unit has been installed, please inspect per the following test procedure. **Please Note: This part has not had a failure of the core unit. This product receives a 100% pull test to over 100 lbs. on the core unit.**

Housing Field Test Procedure:

- Gain access to throttle control at carburetor. (Remove cowling and ducting as necessary.)
- Disconnect throttle cable from carburetor
- Loosen engine mount cable attach clamp to allow the throttle cable to slide in the clamp.
- Place a red finger nail polish mark at the union of the throttle casing and the flexible housing.
- Extend throttle cable slightly to allow space to slide rubber grommet off the end of the throttle casing.
- Protect the shaft of the cable guide with rubber, vinyl or duct tape.
- Grip shaft with small locking pliers near the outer end before the flare. Adjust pliers to lightly grip the shaft and allow the edge of pliers to slide to the base of the flare. **USE CAUTION** not to deform or scratch throttle casing.
- Once pliers are attached, pull against pliers with a spring scale. **USE CAUTION** to keep pull as close to the center line of the cable as possible.
- Pull until scale reads 35-40 pounds.

- View the mark previously placed at the joint of the casing and the housing.
 1. If no movement, reassemble throttle linkage, clamps and cowl.
 2. If throttle casing pulls off, the throttle cable will need to be replaced.

Log Book Entry: Note in Log Book that Throttle Housing Service Bulletin P-1 has been complied with.

Replacement Procedure: Contact Univair for a UPS Call Tag for pick-up of the failed cable and to order a no-charge replacement.



Figure 1. Note rubber around throttle casing.



Figure 2. Scale pulling in line with cable.