

SUBJECT: NOSE GEAR RETRACT MECHANISM, INSTALLATION OF ORIFICE FITTING IN NOSE GEAR HYDRAULIC RETRACT LINE.

AIRCRAFT AFFECTED: BEECHCRAFT Musketeer A24R, serials MC-3 through MC-37, except MC-10, MC-17, MC-29, and MC-30.

REASON FOR CHANGE: To improve the nose gear extension operation.

ACCOMPLISHMENT: At the next 100-hour or annual inspection, whichever occurs first.

DESCRIPTION: On the BEECHCRAFT A24R Musketeer for the serials noted above, an orifice fitting should be installed in the nose gear hydraulic retract line to improve the nose gear extension operation in the higher speed ranges. The following procedure is suggested.

1. Place the airplane on jacks.
2. Remove the access plate below the main spar (Station 126.75) from the bottom of the fuselage.
3. Locate the nose gear hydraulic retract line. This is the line farthest in-board of the two hydraulic lines continuing forward of the main spar.
4. With the landing gear extended, remove and discard the AN815-4D union from the nose gear hydraulic retract line.
5. Install an AP10-4-040 orifice fitting at the point where the AN815-4D union was located.
6. Bleed the landing gear hydraulic system as follows:
 - a. Cycle the landing gear twice.
 - b. Operate the emergency extension system.
 - c. Cycle the gear two additional times.
7. Check for possible hydraulic fluid leaks.
8. Reinstall the access plate on the bottom of the fuselage.
9. Check the hydraulic fluid reservoir for proper fluid level.

The following part is required for this modification. It is available through the Beech Aircraft Corporation Dealer Organization.

PART NUMBER	DESCRIPTION	QUANTITY
AP10-4-040	Orifice Fitting	1

AW-633

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- (a) BEECHCRAFT Aero or Aviation Centers and International Distributors and Dealers
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Service Instructions No. 0398-212

Upon completion of the modification enter an appropriate statement in the aircraft log book and return a completed compliance card to Beech Aircraft Corporation. It is suggested that a note be placed in the parts catalog until the new part number has been incorporated into a revision to the parts catalog.

Man-hours to accomplish modification: 1.5 hours.

Number of men required to accomplish modification: 1 man.

Suggested selling price of part: To be advised.

COMPLIANCE CARD RETURN REQUIRED