

ALERT SERVICE BULLETIN

Bell Helicopter **TEXTRON**
A Subsidiary of Textron Inc.

NO. 206L-01-122

DATE 10-03-01

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DATE

REV

MODEL AFFECTED: 206L-1, 206L-3

SUBJECT: MAGNETIC BRAKE P/N 204-001-376-003 - ONE TIME INSPECTION OF

HELICOPTERS AFFECTED: All Model 206L-1 & 206L-3 Helicopters that have IFR kit 206-705-001, /-101, /-103 installed and all delivered spare, Magnetic Brakes 204-001-376-003

COMPLIANCE: Within the next 300 hours of operation after receipt of bulletin but no later than 30 November 2001.

DESCRIPTION:

Bell Helicopter has recently received a report that magnetic brake 204-001-376-003 adjustable stop screws MS1959-3 had backed out which limited the travel of the arm assembly. Investigation revealed the stop screws had been installed without the proper adhesive. These Magnetic Brakes were manufactured by Memcor Truohm, Inc. under their part number MP 498-3. Magnetic Brakes 204-001-376-003 made by other manufacturers are not affected by this bulletin.

This Alert Service Bulletin (ASB) is issued to impose a one-time inspection to verify the installation of the adjustable stop screws of magnetic brake 204-001-376-003 manufactured by Memcor Truohm.

APPROVAL:

Not required.

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AN APPROPRIATE ENTRY SHOULD BE MADE IN THE AIRCRAFT LOG BOOK UPON ACCOMPLISHMENT
IF OWNERSHIP OF AIRCRAFT HAS CHANGED PLEASE FORWARD TO NEW OWNER

MANPOWER:

Approximately 1.0 man-hour is needed to complete this bulletin. Man-hours are based on hands-on time, and can vary with personnel and facilities available.

MATERIAL:

Required Material:

None required.

Consumable Material:

The following material is needed to complete this bulletin, but may not require ordering, depending on the operator's consumable material stock levels. This material may be obtained through your Bell Helicopter Textron Supply Center.

<u>Part Number</u>	<u>Nomenclature</u>	<u>Quantity</u>	<u>Reference</u>
MILS22473 GR AA 50cc	Adhesive/Sealant	A/R	C-320
F900, Yellow	Torque Seal (Inspection Ink)	A/R	N/A

SPECIAL TOOLS:

None required.

WEIGHT AND BALANCE:

Not affected.

ELECTRICAL LOAD DATA:

Not affected.

REFERENCES:

Service Instruction 206-2030 revised 23 September 1981 - Single Pilot IFR Kit.

PUBLICATIONS AFFECTED:

None affected

ACCOMPLISHMENT INSTRUCTIONS:

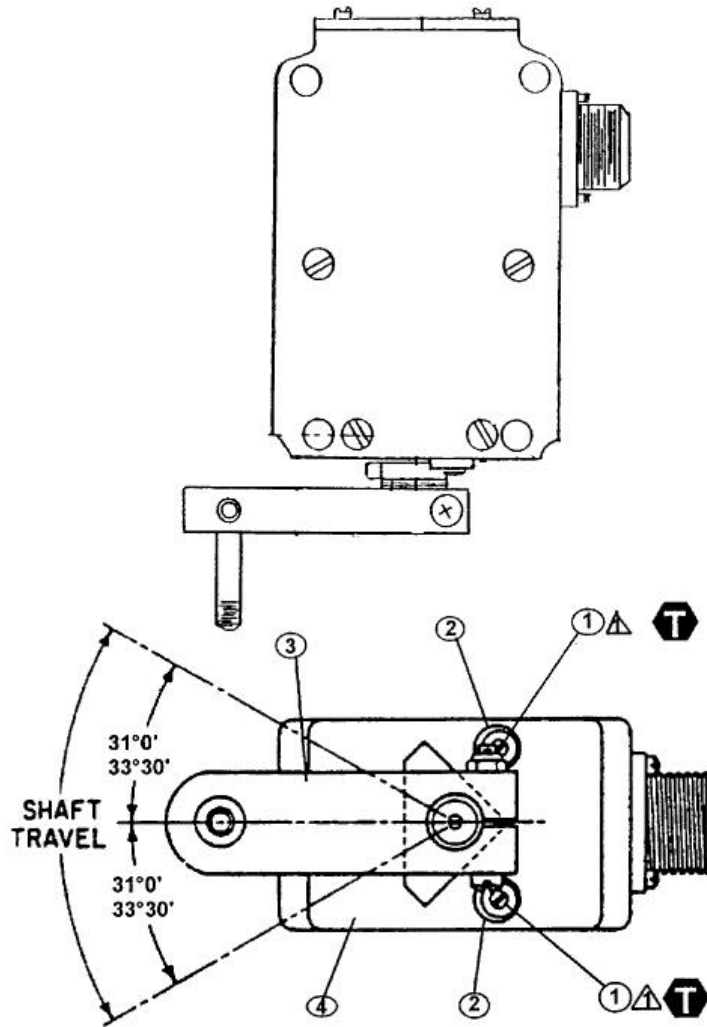
1. Magnetic Brake 204-001-376-003 may be installed on aircraft or may be held as a spare part.
 - a) If a spare magnetic brake is manufactured by Memcor Truohm under part number MP 498-3, comply with steps 6 through 12 and then return magnetic brake to spare stock.
 - b) If magnetic brake is installed on aircraft, proceed to step 2.
2. Disconnect battery.
3. Get access to the cyclic fore and aft and lateral flight control system magnetic brakes (4, figure 1).
4. Use a mirror and a flashlight to inspect each Magnetic Brake installed to determine if it is manufactured by Memcor Truohm, Inc. (M.T. Inc.).
 - a) If the Magnetic Brake is part number MP 498-3, it is manufactured by M.T. Inc., continue with step five (5) of this bulletin.
 - b) If the Magnetic Brake part number is other than MP 498-3, it is not manufactured by M.T. Inc., go to step 14 of this bulletin.
5. Remove cyclic fore & aft and lateral magnetic brakes from aircraft.
6. Use a torque wrench and screwdriver bit to apply 10 inch/lbs (1.12 Nm) force to screw(s) (1 figure 1) in a counterclockwise direction.
 - a) If screw(s) (1) do not move, go to step 12.
 - b) If any movement is found on screw(s) (1), go to step 7.

-NOTE-

If the inspection reveals that screw(s) (1) has disengaged, examine arm assembly (4) for mechanical damage created by screw (1). If mechanical damage is found, the depth shall not

exceed 0.030 inch (0.762 mm). Acceptable damage may be smoothed and treated in accordance with the Standard Practice Manual Chapter 3 for Chemical Film. If damage is greater than 0.030 inch (0.762 mm) contact Product Support Engineering.

7. Remove screw(s) (1) and stop limit(s) (2) from magnetic brake (4).
8. Clean residue adhesive from magnetic brake (4) screw holes and screw(s) (1) with compressed air.
9. Apply adhesive (C-320) to screw(s) (1) threads and install in magnetic brake (4) hand tight.
10. Adjust the stop limit(s) (3) to achieve the arm assembly shaft travel, refer to Figure 1.
11. Torque screws (1) 5 to 10 in-lbs (0.56 to 1.12 Nm).
12. Apply torque seal inspection ink to screws (1) and to stop limits (2).
13. Re-install cyclic fore & aft and lateral magnetic brakes into aircraft. Refer to Service Instruction 206-2030; section III, for rigging procedures.
14. Re-install cyclic magnetic brake access panels.
15. Connect battery.
16. Make an entry in the helicopter historical records to show you have completed this Alert Service Bulletin.



MAGNETIC BRAKE ASSEMBLY P/N 204-001-376-003

LEGEND

- 1. Screw MS51959-3
- 2. Stop Limit
- 3. Arm Assembly
- 4. Brake Assembly

NOTE



-  Bond screw with adhesive C-320
-  5 to 10 IN-LBS
(0.56 TO 1.12 Nm)

Figure 1.