



FAA: *[Signature]*

Date: JUL 12 2011

Service Letter No. 71

Page 1 of 3

Date: 7/11/11

SUBJECT: Parking Brake Control

AIRPLANES AFFECTED: All

STATUS: This Service Letter is mandatory.

BACKGROUND: It has come to our attention that a few incidents have occurred involving the hang-up of the parking brake cable thus engaging the brake. One cause may be not fully disengaging parking brake control by not pushing control knob completely against instrument panel for the OFF position.

COMPLIANCE: Compliance with this Service Letter is recommended within 25 hours of flight.

ACTION TO BE TAKEN:

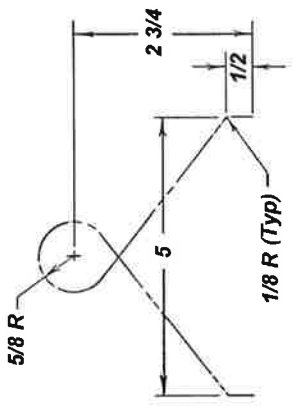
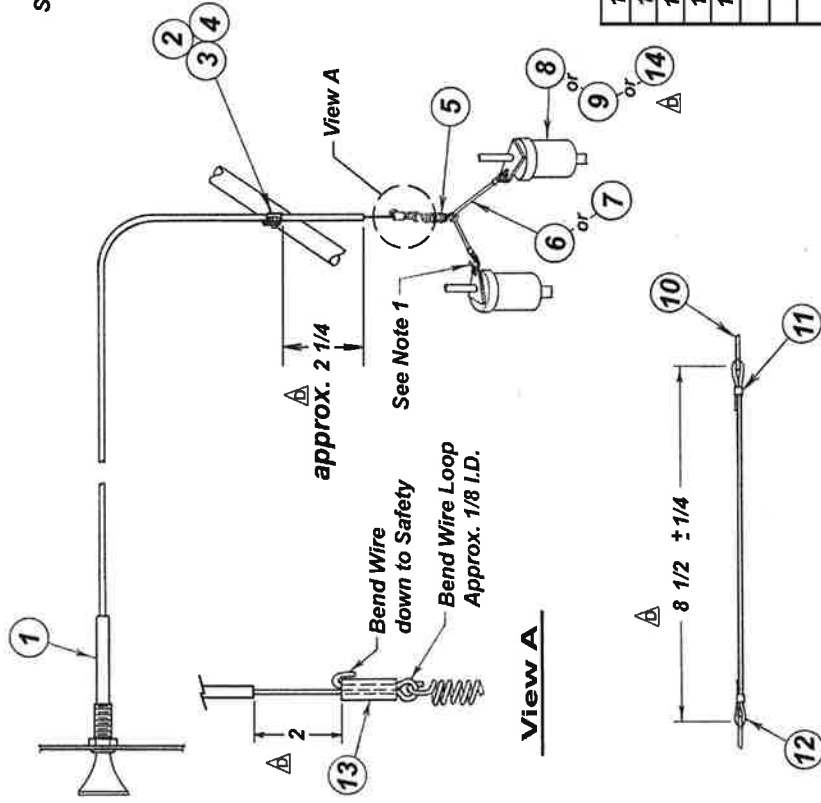
- Step 1 Release parking brake control and push pedals to release locks. Make sure the cable attached to the locking levers (Item (6) or (7) Maule drawing 3183B) has no interference throughout full operating range of the parking brake control.
- Step 2 Operate the rudder pedals through their full range of travel and check for any interference of above item (6) or (7) and ensure that the locks do not engage. If any hang-ups occur, adjust per following Steps 3, 4, and 5.
- Step 3 With rudder pedals in neutral position, set cable housing to 2 1/4" dimension as shown on Maule drawing 3183B.
- Step 4 Pull the parking brake knob out until the nicopress comes in contact with the cable housing.
- Step 5 The locking levers should be in full lock position and the spring (item (5) on Maule drawing 3183B) has approximately 1/8" expansion. Readjust the 2 1/4" dimension in step: 1 above as necessary for achieving this spring expansion.
- Step 6 Recheck operation per Steps 1 and 2.

Cutout and attach Airplane Flight Manual Supplement below to the PREFLIGHT INSPECTION Section under OPERATING CHECK LISTS, D. BEFORE TAKEOFF of the Airplane Flight Manual in any available space.

16. Parking Brake.....	OFF (PUSH KNOB COMPLETELY AGAINST INSTRUMENT PANEL)
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Complete the accompanying Compliance Record Sheet, page 3, and return to Maule Aerospace Technology Inc. Record compliance with this service letter and method of compliance in aircraft log-book.

8381C



Casing Clamp Assembly
1:1

Notes:

- ▲ 1. On installation of item (6), install Cotter Pins pointing down.
- ▲ 2. Use item (6) when installing Item (8) (Gerdes Brake Cylinders) and use item (7) when installing item (9) (Scott Brake Cylinders)
- ▲ 3. A-049-2P or A-049-10P for item (8).
- ▲ 4. Adjust the parking brake wire assembly (6)/wire (7), if needed, to ensure there is sufficient play in the wire to prevent unintentional engagement of the master cylinder when the rudder pedal is applied. Perform an operational check over the full range of pedal travel to ensure the brakes do not engage.

REV. NO.	PART NO.	REQ'D	DESCRIPTION	FINISH	MAT'L & SPEC.	STOCK
14	4046B	2	Master Brake Cylinder (Parker/Cleveland) (with Parking Brake)			
13	-13	1	Tube		Copper	3/16 x 1/2 Lg
12	-12	1	Control Cable		Steel Mil-C-1511	
11	18-1-C	2	Nicopress Oval Sleeve			
10	AN380-2-2	2	Cotter Pin			
9	4408C	2	Master Brake Cylinder (Scott)			
8	(See Note 3)		Master Brake Cylinder (Gerdes)			
7	-7	1	Wire (See Note 2)			5/32 Dia. Wire
6	-6	1	Wire Assembly (See Note 2)			
5	LE-049D-7	1	Spring (Lee Spring Co.)			Music Wire 3/8 x 2 x .049
4	AN365-10-32	1	Nut			
3	AN3-3	1	Bolt			
2	5007B-1	1	Casing Clamp			
1	BS-6-46	1	Control (Servwell)			

REV.	DESCRIPTION	DATE	APPLICABLE TO:
D	Incorp'd DCN's M3375, M3612A, M3631.	11 Jul 11	All Models
	Added 2 1/4 Dim. to Control Cable end.	2 Mar 76	
C	Added 2" Dim. to View "A"	11 Oct 73	
B	Added M-5-235C effect.		
A	Added M-5-220 & M-5-210 effectivity.		
	Incorp'd DCN #266, M1569. Corrected P/N of Item (8) (Ref. M1432). Redrawn from CI-B375, Rev. 6.	13 Jul 71	



Parking Brake Control Installation

SCALE	n/a	NO.	3183B
DATE	13 Jul 71	CHECKED BY	
REV.	D	DATE	



Service Letter No. 71

COMPLIANCE RECORD SHEET

Aircraft Model _____

Aircraft Serial No. _____

Action taken (PLEASE CHECK if applicable):

Complied with Service Letter No. 71

Owner's Name _____

Owner's Address _____

City _____ State _____ Zip _____

Phone number _____ (optional)

Certified by _____ Title _____
Signature Owner, A & P. IA. Etc.

Date performed _____

If you no longer own this airplane, please fill in new owner's information and return to factory address below:

New Owner's Name _____

New Owner's Address _____

City _____ State _____ Zip _____

If owner's email address has changed, please enter here: _____

Please mail this completed Compliance Record Sheet to:

Maule Aerospace Technology Inc.

Engineering Records

2099 Georgia Highway 133 South

Moultrie, GA 31788 USA

Or Fax to: 229-890-2402