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SERVICE BULLETIN

SB-016

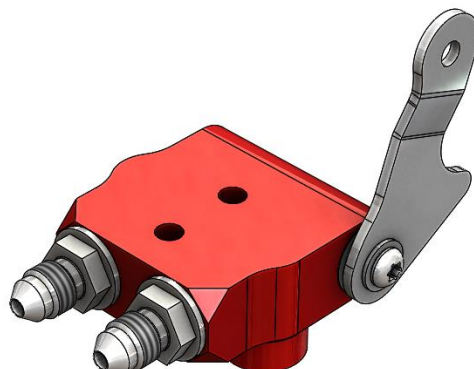
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This document has been produced in accordance with alternative procedures to DOA

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1. EFFECTIVITY

This service bulletin must be applied ONLY to the following products:

Part Number	Batch Number	Qty	Part Number	Batch Number	Qty
FP-003N(B)	22-20	11	FP-003.1N(B)	15-20	2
	19-20.2	20		02-20.2	2
	12-20.3	3		39-19	3
	12-20.2	14	FP-003.2N(A)	10-20	2
	12-20	31			
	09-20	24			
	08-20.4	1			
	08-20.3	3			
	08-20	10			
	06-20.2	12			
	06-20	36			
	02-20.1	5			
	02-20	43			
	49-19	60			
	46-19.3	1			
	46-19.2	11			
	46-19	12			
	44-19	10			
	42-19.3	7			
	42-19.2	13			
	42-19	28			
	37-19.2	12			
	37-19	36			
	32-19.6	2			
	32-19.2	10			
	32-19.1	14			
	30-19.4	4			
	30-19.3	1			
	30-19.2	14			
	30-19.1	17			
29-19	1				
26-19.2	3				
26-19	6				
25-19	27				
21-19	20				

2. PURPOSE

Detect and target defective parking brake valves and replace by a new one, which are under warranty.

3. CONTEXT

The parking brake valves affected by this Service Bulletin do not release brake pressure even when unlocked. This phenomenon only happens after the parking brake has been locked and pressure applied to the system for parking.

There is no risk for flight safety since this this problem may only occur after the parking brake has been engaged for a parking phase.

Only a few units from the batch mentioned above are affected.

This problem has been identified coming from the chamfer on which the O-ring sits, which has been machined too deep.

4. COMPLIANCE

A test procedure has been implemented to make sure that the parking brake valves from these batches are or are not affected.

This procedure is described below and must be realized at next scheduled maintenance or on condition.

5. TEST PROCEDURE

Test procedure:

1. Apply brakes on both sides as equally as possible at a reasonable strong force level
2. Lock the parking brake valve lever in “locked” position
3. Release pedal pressure completely
4. Wait 5 to 10 seconds
5. Unlock the parking brake valve as usual, without applying pressure on the pedals
6. Try moving the airplane and make sure that brakes are completely released.
7. Repeat step 1 to 6 at least 5 times.



6. TEST RESULT AND CORRECTIVE ACTIONS

- 7.1. Both left and right hand brakes release as normal and the airplane is free to move
➔ the parking brake valve is conforming and doesn't need to be replaced

- 7.2. Both left and right hand brakes do not release after the test
➔ the parking brake is not conforming and needs to be replaced before next use of the parking brake valve. Contact your Repair Station.

- 7.3. Either the left or right hand do not release after the test
➔ the parking brake is not conforming and needs to be replaced before next use of the parking brake valve. Contact your Repair Station.

END
