



Master Cylinder P/N within STC-002

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1. GENERAL

The purpose of this advisory is to allow the temporary use of an alternate P/N for 45 master cylinders used in STC-002 (Pilatus PC-6) that have been released since 2021. This document highlights the fact that there is no difference between the approved P/N of Master-Cylinder within STC-002 (MP-001) and the generic P/N (MP-001N) used in other STC and in the standard line of products.

2. BACKGROUND

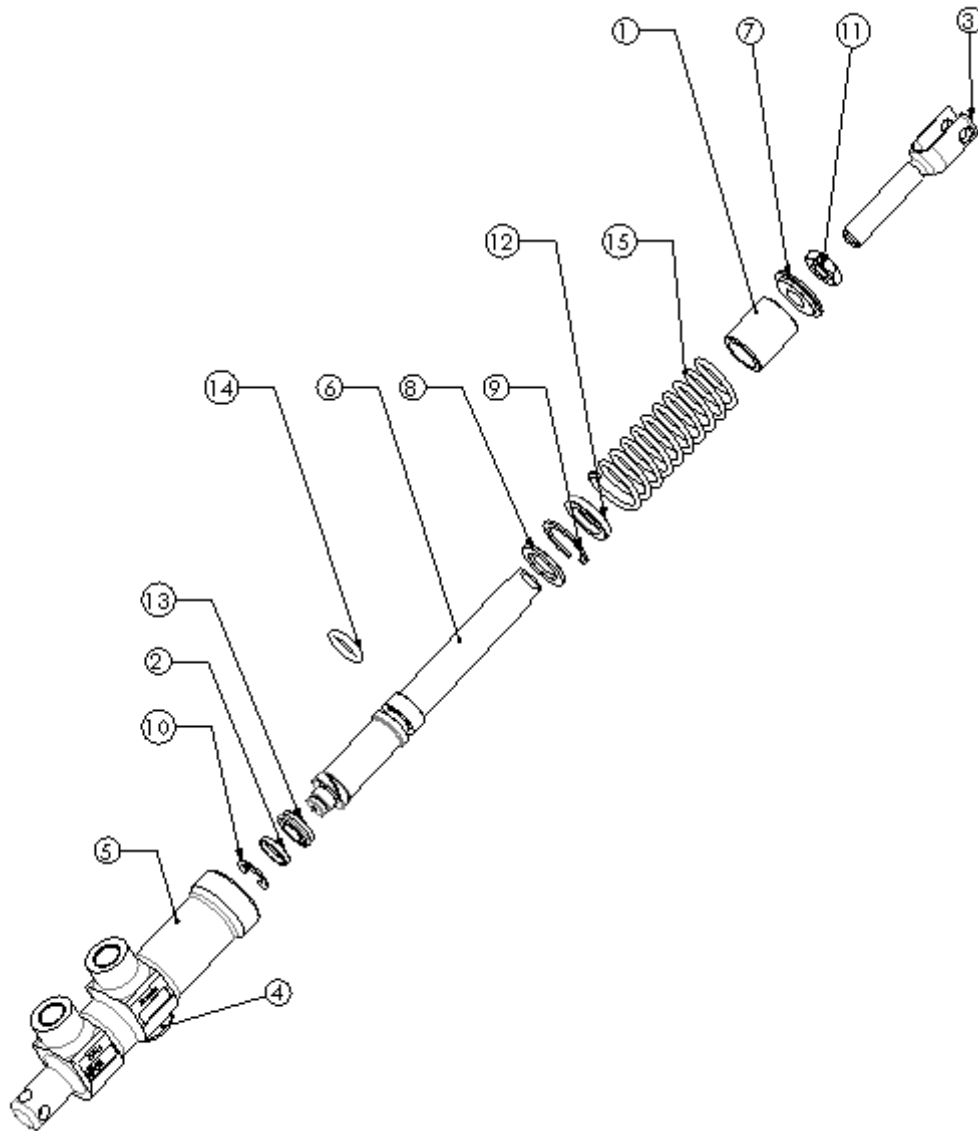
Facing a large variety of aircraft with different brake systems and brake fluids, BERINGER has created new P/N ending by the letter N or E, in order to differentiate a system functioning with Mineral Fluid and a system with DOT 4.

The differences between those liquids are described in the **MM-00-007**. As an example, EA-006E is the reference of a caliper working with DOT4 fluid, EA-006N is working with Mineral fluid.

According to this modification, the Master Cylinder referenced MP-001 has evolved into MP-001N. The products are strictly the same, and the MP-001 mentioned in the **ICA-STC-002** is composed by the same parts and has the same mechanical characteristics than MP-001N.

3. ILLUSTRATED PART CATALOGUE FOR MP-001N/MP-001

Individual parts cannot be ordered and both part number master cylinders MP-001N and MP-001 are not serviceable and must be purchased as complete part



15	S-CP-003	MC_Spring/ Ressort	1
14	J-JTR-011N	O-Ring/ Joint torque	1
13	J-JLE-001N	Piston seal/ Joint piston	1
12	J-JBE-001N	Ø19_Lipseal/ Joint a levre	1
11	E-HB-003	M8_Low Nut/ Ecrou Bas	1
10	C-AR-002	Snap ring/ Circlips	1
9	C-AL-005	Circlip/ Circlips 19	1
8	RDL-002(A)	Stop washer piston MC14.5/ Rondelle d'arrêt piston MC14.5	1
7	RDL-001(A)	Stop Washer Spring MC/ Rondelle d'arrêt ressort MC	1
6	PSM-001(B)	Piston MC 14.5	1
5	MCP-001(B)	Housing MC14.5/ Carter MC 14.5	1
4	ETQ-002(C)	Only MIL-PRF 87257 or 5606_Sticker / Etiquette	1
3	CHP-001(A)	Femelle (Ø5.1) M8-50_Clevis/ Chape	1
2	BGE-005(B)	Ring MC14.5/Bague anti-extrusion MC14.5	1
1	BGE-003(A)	Spacer Ø12x17x20/ Bague Ø12x17x20	1
REP	PART NUMBER	DESCRIPTION	QTY.

Individual parts cannot be ordered and both part number master cylinders MP-001N and MP-001 are not serviceable and must be purchased as complete part

4. CONCLUSION

Since BERINGER doesn't produce MP-001E for system using DOT4, there is no possibility of confusion. Both MP-001 and MP-001N work with Mineral fluid.

Therefore, **ICA-STC-002** is still valid whether it is fitted with Master Cylinder MP001 or MP001N, as long as mineral fluid and only mineral fluid is used in the system.