

Thanakom Panyothin

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Monday, September 24, 2018 9:02 AM
To: Thanakom Panyothin
Cc: Nattawut Wongyai; Grant Robinson; Atiporn Chiwcharoen; Mrazik, Philip
Subject: P/N MS28889-2 servicing valve O-ring P/N

Khun San

Per your request please see the following response from CSE regarding the correct P/N to use for the MS28889-2 high pressure servicing valve.

Also, please note that the MS28889-2 valve has been superseded by P/N M6164-2. The M6164-2 valve comes fitted with O-ring P/N M83461/1-015.

The M6164-2 valve is also eligible for installation on the S-92 landing gear shock struts to replace installed MS28889-2 valves.

Stocks of MS28889-2 valves and MS28775-015 O-rings may continue to be used until depleted.

A SoundOff has been submitted to purge the S-76D IPC of incorrect O-ring P/Ns.

Case Number: C0104630
Customer: Thai Aviation Services Limited
Aircraft S/N: 761000
Aircraft Model: S-76D
ATA: 32
Part Number: MS28775-015
Case Subject: MS28889-2 High Pressure Servicing Valve-Alt O-ring P/N

Problem Description:

Reference

- 1) S-76D IPC 32-10-01 / 32-20-01 / 32-70-01
- 2) MS28889
- 3) MS28775
- 4) M83461/1-015
- 5) C0098647

TAS notes that the P/N MS28889-2 high pressure valve uses various O-ring P/Ns and dash numbers depending on the location of the valve when installed in the S-76, for example, the S-76D uses:

Location O-Ring P/N IPC Ref

MLG MS28775-119	32-10-01 Fig. 1, It 22
NLG M83461/1-112	32-20-01 Fig. 1, It 40
Float Bottle MS28775-015	32-70-01 Fig. 1, It 13

Reference to the MS28889 spec (now cancelled and replaced by MIL-PRF-6164) indicates that the correct O-ring is P/N MS28775-015. No alternates are provided.

The response to C0098647 indicates that O-ring P/N MS28775-015 is superseded by M83461/1-015 for use on the MS28889-02 high pressure valve installed on the S-92.

Is the P/N M83461/1-015 O-ring eligible to replace all of the various O-ring P/N's called out for the three MS28889-2 high pressure valve locations installed on the S-76? If not, please specify the correct O-ring P/N or dash number for each location. EoM

This email notification is provided as the case has been reviewed and does not contain technical data in the issue description.

Problem Resolution:

Valve PN MS28889-2 uses spec MS28889 which has been superseded by MIL-PRF-6164.

Figure 1 of the MIL-PRF-6164 spec shows valve PN M6164-2 superseding valve PN MS28889-2.

Figure 1 of the same spec shows the O-Ring PN is M83461/1-015 and is valid for all three high pressure valve locations.

SoundOff reports will be submitted by SE to correct the three high pressure valve locations.

This email notification is provided as the case has been reviewed and does not contain technical data in the resolution.

David P. McConnell

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