

WARNING: This applies to steel screws only. Do not use MS27039 in place of Titanium screws

Grant Robinson

From: McConnell, DAVE P <dave.p.mcconnell@lmco.com>
Sent: Wednesday, January 04, 2017 10:45 AM
To: Grant Robinson
Subject: S-76D P/N MS27039 screws ILO P/N SS5013

Grant;

Following is the CSE response to my FTR requesting approval to use MS27039 screws ILO SS5013 screws on S-76D fairings

Case Number: C0049241
Customer: Thai Aviation Services Limited
Aircraft S/N: 761XXX
Aircraft Model: S-76D
ATA: 53
Part Number: SS5013
Case Subject: Request To Use P/N MS27039 Screws ILO P/N SS5013

Problem Description:

TAS reports several instances of stripped heads on SS5013 machine screws used to attach various fairings on the S-76D.

The screws are easily damaged. Removal of damaged screws has proven to be time consuming and troublesome due to the low profile of the screw head.

The low profile of the head of the SS5013 makes grasping it with vice-grips almost impossible.

Drilling the screw head for an E-Z Out is also difficult due to the little material available to drill into on the thin screw head.

TAS request SA approval to install equivalent size P/N MS27039 pan head screws with NAS1149 washers in lieu of P/N SS5013 screws on fairings on the S-76D.

The pan head profile is easier to grip with vice-grips, and also has more material to drill into in the event that it is necessary to use an E-Z Out. EoM

Problem Resolution:

The substitution of MS27039 pan head screws with NAS1149 washers in lieu of P/N SS5013 screws on fairings is acceptable. If further assistance is required, please contact Service Engineering.

David P. McConnell

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