

## Grant Robinson

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**From:** McConnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Saturday, May 12, 2018 12:06 AM  
**To:** Daryl Dixon  
**Cc:** Nattawut Wongyai; Grant Robinson; Stephen MacDonald; Atiporn Chiwcharoen; Mrazik, Philip; Gary Deveau  
**Subject:** RE: Use of bushing P/N SS4007-5-38 on S-76D engine mount vertical strut

Daryl

Further on the subject of engine mount bushing length, following is the CSE response to my request to use -38 bushings on the P/N 76305-77509-045/-046 engine sill mounts also.

Dave

Case Number: C0094558  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 761000  
Aircraft Model: S-76D  
ATA: 71  
Part Number: 76305-77509-045  
Case Subject: Engine Sill Strut-Increased Bushing Length-Request For

### Problem Description:

Reference  
1) C0094448  
2) SA S76D-IPC-000

TAS maintainers advise that P/N 76305-77509-045/-046 engine sill struts are being found with wear damage to the strut face.

The wear is caused for the same reason as stated in C0094448 – the P/N MS20002C5 washer has little or no clearance from the strut face.

All TAS A/C have the 76300-77101-017/-018 engine installation.

Reference IPC CH 71-20-00 Fig. 1, Page 1, Detail B.

The Item 14 upper bushing in the Item 12 strut assembly is called out as P/N SS4007-5-34.

The Item 16 lower bushing is also believed to be called out as -34 for A/C S/N 761022 and Subs, although the effectiveness column is ambiguous and does not specifically state that.

TAS believe that in order to avoid further damage to the P/N 76305-77509-045/-046 engine sill struts due to contact with the MS20002C5 washer, the correct P/N for the top and bottom bushings should be SS4007-5-38.

TAS request SA approval to install P/N SS4007-5-38 bushings at both ends of the P/N 76305-77509-045/-046 sill struts on an as-required basis, in keeping with the principles stated in Customer Letter C0094448. Bolt length will be increased one dash number if required. EoM

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

**Problem Resolution:**

Sikorsky Engineering agrees that on P/N 76305-77509-045/-046 engine sill struts the customer can replace the SS4007-5-34 bushing with the SS4007-5-38 (which is .040" longer). It will have no effect on the strut / bearing functionality.

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

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**From:** Daryl Dixon [mailto:[daryl\\_d@tasl.co.th](mailto:daryl_d@tasl.co.th)]

**Sent:** Friday, May 11, 2018 14:23

**To:** Mcconnell, DAVE P (TH) <[dave.p.mcconnell@lmco.com](mailto:dave.p.mcconnell@lmco.com)>

**Cc:** Nattawut Wongyai <[Nattawut\\_w@tasl.co.th](mailto:Nattawut_w@tasl.co.th)>; Grant Robinson <[Grant\\_r@tasl.co.th](mailto:Grant_r@tasl.co.th)>; Stephen MacDonald <[Stephen\\_m@tasl.co.th](mailto:Stephen_m@tasl.co.th)>; Atiporn Chiwcharoen <[Atiporn\\_c@tasl.co.th](mailto:Atiporn_c@tasl.co.th)>; Mrazik, Philip (TH) <[philip.mrazik@lmco.com](mailto:philip.mrazik@lmco.com)>

**Subject:** EXTERNAL: RE: Use of bushing P/N SS4007-5-38 on S-76D engine mount vertical strut

Thanks Dave,

Best Regards,

Daryl Dixon

Technical Director

Thai Aviation Services

Ph: +66-91-119-6627

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**From:** McConnell, DAVE P [<mailto:dave.p.mcconnell@lmco.com>]

**Sent:** Friday, May 11, 2018 1:15 PM

**To:** Daryl Dixon

**Cc:** Nattawut Wongyai; Grant Robinson; Stephen MacDonald; Atiporn Chiwcharoen; Mrazik, Philip

**Subject:** Use of bushing P/N SS4007-5-38 on S-76D engine mount vertical strut

**Importance:** High

Daryl

Following is a request for clarification submitted to question the use of a P/N SS4007-5-34 sliding bushing at the upper end of engine mount strut P/N 76305-77511-042 and -043. The CSE response in the form of Customer Letter C0094448 is attached.

**Customer:** Thai Aviation Services Limited

**Case Number:** C0094448

**Case Title:** Engine Mount Strut Sliding Bushing Dash Number-Clarification

**Aircraft S/N:** 761000

**Aircraft Model:** S-76D

**ATA:** 71

**Primary Part:** 76305-77511-043

**Problem Description:**

Reference

1. SA S76D-IPC-000
2. Drawing 76300-77101

S-76D IPC CH 71-20-00 Figure 1 Page 1 Detail B, Item 24 calls out a P/N SS4007-5-34 sliding bushing at the upper end of the P/N 76305-77511-042/-043 vertical outboard strut assembly.

Reference to Dwg 76300-77101 FS 003 Detail AF-AF, Zone 15C indicates the bushing in that location should be a P/N SS4007-5-38.

TAS maintainers note that it appears that a -38 bushing is more appropriate for the location as it creates a visible gap between the MS20002C5 washer and the face of the strut.

When the -34 bushing is installed as per the IPC, little to no gap is noted between the washer and strut face.

All TAS S-76D A/C use the P/N 76300-77101-017/-018 engine installations.

Please advise the correct sliding bushing dash number to use at the upper bolted connection of the P/N 76305-77511-042 / -043 vertical outboard strut assembly. EoM

**David P. McConnell**

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