

## Grant Robinson

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**From:** Mcconnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Friday, October 20, 2017 9:59 AM  
**To:** Grant Robinson  
**Subject:** S-76D Raft Flares

Grant

Per your request for information regarding S-76D raft flare removal and substitution, the following is provided.

Case Number: C0071506  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 761XXX  
ATA: 25  
Part Number: 12076A10R001-01  
Case Subject: S-76D External Liferaft-Flares

### **Problem Description:**

Reference

1) S-76D External Life Raft ICO3940 Rev G

The S76D External Life Raft ICO 12-month inspection 05-20-00 Step (5) (c) requires an inspection of the expiry date of each flare.

The ICO parts list 25-63-01 calls out Item 202 Pains Wessex P/N 55665 MK8 Mini Aerial Flare Pack and Item 203 Pains Wessex P/N 55970 MK8 Day/Night Handheld Flare.

When replacing expired P/N 55970 handheld flares, TAS orders P/N 55970 from a local Pains Wessex dealer, but is provided P/N 9539000 MK8 Day/Night Hand Held Flare, also manufactured by Pains Wessex, as an equivalent. Physically, the two P/Ns are identical in every respect.

Additionally, TAS wish to discontinue use of the MK8 Mini Aerial Flare Pack entirely due to ongoing difficulty in procurement.

Carriage of flares is not a mandatory requirement in Thailand per the attached email to TAS from the Civil Aviation Authority of Thailand (CAAT).

TAS request SA approval for the following modifications to the flare provisioning in the External Life Raft installations in the TAS S-76D fleet.

- 1) Delete the use of the MK8 Mini Aerial Flare Pack.
- 2) Replace the unobtainable Pains Wessex P/N 55970 with locally procurable Pains Wessex P/N 9529000. EoM

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

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**Problem Resolution:**

Sikorsky engineering states the following:

- 1) Deleting the MK8 Mini Flare Pack – There is no objection to TAS removing it from their kit if they feel it is not required. The Flare Pack is standard fit in all of the Life Raft Pods, per our requirements – but CAAT does not require it. If TAS removes this item, annotate on the records for the life raft pod that it was removed – store flares appropriately as they are a pyrotechnic device and are considered hazardous.

2) The flares are compatible, with the exception that the one listed for the survival kit – 9559700, is both a flare and smoke signal, whereas the 9529000 is only a flare.

REF: Case XAu-78260 - Pain Wessex part number system changed from 5 to 7 digit part numbers. A letter to this customer stated “9559700 is exactly the same product as 55970.”

Customer reports PN 55970 is unobtainable – PAINS WESSEX website lists the 9559700 as available – their distributor in Thailand is –

Marine Survitec Co., Ltd.

Tel.: +66 2703 3477

Email: [info@msc.co.th](mailto:info@msc.co.th)

Web: [www.msc.co.th](http://www.msc.co.th)

Address: 1111 Mu 6, Thadsaban Bangpoo 10, Taiban Road, Tambon Taiban, Amphur Muang, Samutprakarn, Thailand, 10280

If TAS cannot obtain PN 9559700, they can procure PN 9529000 – If PN 9529000 is procured then annotate that in the log for the Life Raft pod that they replaced it with a suitable substitute.

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

**David P. McConnell**

Senior Field Service Representative

Sikorsky, a Lockheed Martin company

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