

## Grant Robinson

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**From:** McConnell, DAVE P <dave.p.mcconnell@lmco.com>  
**Sent:** Thursday, February 02, 2017 8:38 AM  
**To:** Grant Robinson  
**Subject:** S-76D AC motor alternate P/N

Grant;

Following is the CSE response to my FTR requesting approval to install air conditioning motor P/N ES6110-1 in lieu of P/N 76-0553-1.

Case Number: C0052114  
Customer: Thai Aviation Services Limited  
Aircraft S/N: 761064  
Aircraft Model: S-76D  
Aircraft TT: 113  
ATA: 21  
Part Number: 76-0553-1  
Case Subject: Air Conditioning Motor-Request For Alternate P/N

**Problem Description:**

Crew of 761064 reported ambient air blowing from the air conditioning ducts when the air conditioner was selected on.

Troubleshooters identified that voltage was going continuously to the P/N 76-0551-1 compressor motor through the stuck closed contacts A1/A2 of relay P/N MS24171-02 on the P/N EMI / Filter Assy P/N 76-0558-1, but that the motor itself did not turn.

The defect was deferred on a Cat C MEL.

The relay will be replaced with a serviceable part from stores.

When troubleshooters went to withdraw a replacement motor from the on-site SCI TAP consignment stock they discovered that it was P/N ES6110-1, part of compressor pallet assembly P/N JBS5004-1. A check of SCI stock shows zero balance of compressor motor P/N 76-0553-1.

The Cat C MEL expires 09 FEB 2017, at which time the A/C will be grounded.

Can compressor motor P/N ES6110-1 be used on compressor pallet P/N 76-0551-1, in lieu of compressor motor P/N 76-0553-1? EoM

**Problem Resolution:**

Compressor Motor P/N ES6110-1 CAN NOT be used on Compressor Pallet P/N 76-0551-1

**David P. McConnell**

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