

**T-808 ALERT SERVICE BULLETIN**

<b>Subject:</b>	Removal of Timken Alcor Aerospace Technologies, Inc. sun and/or planet gears
<b>TAATI Part Number(s):</b>	Sun Gear P/N's: E3028456, E3037304 Planet Gear P/N's: E3101455-02, E3101525-02
<b>Engine Application(s):</b>	Pratt and Whitney Canada PT6A-38, -41, -42, -42A, -61, -62, -64, -66, -66B, -110, -112, -114, -114A, -121, -135, -135A
<b>Revision History:</b>	IR - Initial Release. A - Updated TIMKEN to EXTEX Engineered Products.
<b>NOTE:</b>	On 10-20-15, TAATI acquired by Kaman Corporation and renamed EXTEX Engineered Products.

**REASON:**

Timken Alcor Aerospace Technologies, Inc. (TAATI) has received reports of premature wear and damage of 1<sup>st</sup> stage sun and planet gears used in the engine models listed above.

TAATI has identified possible manufacturing defects that have the potential to result in premature wear and damage. These incidents have prompted TAATI to recommend removal of specific sun and planet gears.



**WARNING**

Failure of the 1<sup>st</sup> stage sun or planet gear may result in damage to the reduction gear system and a possible In Flight Shutdown, creating a risk of property damage, serious injuries, or fatality.

**DESCRIPTION:**

This alert service bulletin provides instructions for removal of specific TAATI sun and planet gears.

**APPLICABILITY:**

Applicable serial numbers for each part number are:

Part Number	Serial Numbers
E3028456	SG35-085 and lower PC4-055, -060, -061, -062, -063, -064, -067, -068, -071, -076, -079, -087, and -089.
E3037304	SN PC6-056, -058, -059, and -071
E3101455-02	Set serial numbers: EE-4064, EE-4071 and EE-4086
E3101525-02	Set serial numbers: EE-4051 through EE-4078, EE-4085, EE-4086 and EE-4090

**ACCOMPLISHMENT INSTRUCTIONS:**

Remove the listed applicable sun gear and/or planet gears from service in accordance with the applicable TCH (Type Certificate Holder) maintenance manual within the earliest to occur of: (a) 60 operating hours after receipt of this alert service bulletin; or (b) 120 days after receipt of this alert service bulletin.

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Remove the interacting (mating) planet set or sun gear regardless of condition.

*Note: Install an FAA-approved zero-time first-stage reduction sun gear and planet gear set in accordance with the applicable TCH maintenance manual.*

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Record compliance with this alert service bulletin in the applicable section of the engine log book at initial and final inspection and at removal of the sun and planet gears. The entry should include the part number and serial number of any removed gears and a reference to SB #T-808.

Contact EXTEX Engineered Products customer service and obtain a RMA number, then return the affected sun gear and/or planet gear to EXTEX.

### **APPROVAL:**

This document is FAA approved.