

 CT7-2E1 ALERT SERVICE BULLETIN - 72- A0033 R00

Revised:
01/18
/2024

SB 72-A0033 R00 ENGINE - ACCESSORY SECTION MODULE (72-60-00) - REMOVAL OF PARTICLE SEPARATOR BLOWER P/N 6034T62P18 AND ACCOMPANYING V-BAND COUPLING ASSEMBLY P/N 4042T36P02 OR P/N 5056T10P01

Issued:
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1. PLANNING INFORMATION

A. Effectivity

* * * CT7-2E1

This Alert Service Bulletin is applicable to these CT7-2E1 engines:

* CT7-2E1 engines, serial numbers 780280 and below with the following exceptions:

780103, 780104, 780115, 780118, 780119, 780122, 780125, 780139, 780140, 780150, 780159, 780160, 780195 which have P/N [6034T62P19](#) already installed.

This Alert Service Bulletin has been introduced in production to these CT7-2E1 engines:

* CT7-2E1 engines, serial numbers 780281 and up.

These serial numbers are the best available data.

This Alert Service Bulletin affects particle separator blower P/N [6034T62P18](#) and V-band coupling assemblies P/N [4042T36P02](#) and P/N [5056T10P01](#).

B. Description

This Alert Service Bulletin provides a recommendation to replace particle separator blower P/N [6034T62P18](#) and accompanying V-band coupling assembly P/N [4042T36P02](#) or P/N [5056T10P01](#) at or before 3,000 cycles.

C. Compliance

Category 2

GE recommends that you do this Alert Service Bulletin as soon as possible without effect on revenue service but at or before 3,000 cycles.

Impact C

This recommendation is to address a condition that may result in a Non-Event operational disruption, Unscheduled Engine Removals (UEAR), Out-station-removals or Aircraft on the Ground (AOG).

NOTE: This Alert Service Bulletin can be done in shop.

D. Concurrent Requirements

This Alert Service Bulletin recommends the replacement of particle separator blower P/N [6034T62P18](#) and accompanying V-band coupling assembly P/N [4042T36P02](#) or P/N [5056T10P01](#) with particle separator blower P/N [6034T62P19](#) and accompanying V-band coupling assembly P/N [4135T12P02](#) at 3,000 cycles.

E. Reason

SB 72-A0033 R00 ENGINE - Accessory Section Module (72-60-00) - Removal of Particle Separator Blower P/N 6034T62P18 and Accompanying V-Band Coupling Assembly P/N 4042T36P02 or P/N 5056T10P01

- (1) Objective:
To remove parts from service.
- (2) Condition:
A certification Life Limited Part (LLP) analysis process identified new LLP curves based on hardware inspection requirements and new material data resulting in a potential calculated shortfall to the current CT7-2E1 particle separator blower P/N [6034T62P18](#) published Chapter 5 life limit.
- (3) Cause:
Particle separator blower P/N [6034T62P18](#) was installed on CT7-2E1 engine serial numbers 780280 and below.
- (4) Improvement:
Particle separator blower P/N [6034T62P18](#) is recommended be replaced at the 3,000 flight cycles compressor impeller Chapter 5 LLP limit with particle separator blower P/N [6034T62P19](#), which does not have a Chapter 5 LLP limit.
- (5) Substantiation:
Substantiation is by fleet experience.

F. Approval

The data contained in this Alert Service Bulletin has been reviewed by the FAA or authorized entity representing the FAA and the repair(s) and modification(s) herein comply with the applicable Aviation Regulations and are APPROVED for installation in the model(s) listed in this Alert Service Bulletin.

G. Manpower

No additional man-hours are required to comply with this Alert Service Bulletin.

H. Weight and Balance

Weight and balance are not changed.

I. References (Use the latest version of these documents)

- CT7 Turboshaft Engine Service Record
- GEK 112043-02, CT7-2E1 Maintenance Manual (MM)
- GEK 115715, CT7-2E1 Illustrated Parts Catalog (IPC)

J. Publications Affected

- GEK 112043-02, CT7-2E1 Maintenance Manual (MM)
- GEK 115715, CT7-2E1 Illustrated Parts Catalog (IPC)

K. Interchangeability

One-way Interchangeable

The old part number may be used as a replacement only where the old part number was installed. The new part number is an acceptable replacement for either the old or new part number.

Qualified Interchangeability

Particle separator blower P/N [6034T62P19](#) must be installed with V-band coupling assembly P/N [4135T12P02](#).

L. Software Accomplishment Summary

Not applicable.

2. MATERIAL INFORMATION

A. Material - Price and Availability

- (1) Parts necessary to do this Alert Service Bulletin:

Part Number	Qty/ Eng	Part Name	Unit (\$) Price	Pkg Qty	Lead Time Days
6034T62P19	(1)	Blower, Particle Separator	Quote	(-)	Quote
4135T12P02	(1)	Coupling Assembly, V-Band	Quote	(-)	Quote

NOTE: Prices are provided for planning purposes and are subject to change.

- (2) Other Spare Parts:

Part Number	Qty/ Eng	Part Name	Unit (\$) Price	Pkg Qty	Lead Time Days
J221P110	(1)	Packing, Preformed	Quote	(-)	Quote

- (3) Consumables:

None.

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B. Industry Support Information

None.

C. Configuration Chart

New Part Number	Qty/Eng	Part Name	Old Part Number/IPC Location	Qty/Eng	Op Code	Chg/Sprt Code
5130T67G01	(X)	Engine Assembly, CT7-2E1 (SIN 00100)	5130T67G01 01-001,72-00-00	(X)	RM	-/-
. 5130T71G01	(X)	Accessory Section Module (SIN 29900)	. 5130T71G01 01-110,72-00-00	(X)	RM	-/-
.. 6034T62P19 01-030A,72-60-00	(1)	Blower, Particle Separator (SIN 70000)	.. 6034T62P18 01-030,72-60-00	(1)	RE	1/A
.. 4135T12P02 01-010B,72-60-00	(1)	Coupling Assembly, V-Band (SIN 70080)	.. 4042T36P02 01-010,72-60-00	(1)	RE	5/A
--	(-)	Coupling, V-Band (SIN 70080)	.. 5056T10P01 01-010A,72-60-00	(ALT)	DE	5/A

Operation Codes

DE = Deleted

RE = Replace

RM = Remains

Change Code

1 = One-way interchangeable.

5 = Qualified Interchangeability. Refer to paragraph 1.K., [Interchangeability](#).

Support Code

A = Old parts will no longer be supplied.

D. Parts Disposition

Discard old parts.

E. Tooling - Price and Availability

None.

3. ACCOMPLISHMENT INSTRUCTIONS

A. Removal

Remove the old particle separator blower P/N [6034T62P18](#) (4, [figure 1](#)) and V-band coupling assembly P/N [4042T36P02](#) or P/N [5056T10P01](#) (3) prior to accruing 3,000 cycles since new. Refer to CT7-2E1 MM GEK 112043-02, 72-60-00, REMOVAL AND INSTALLATION, TASK 72-60-00-400-801, applicable paragraphs.

B. Installation

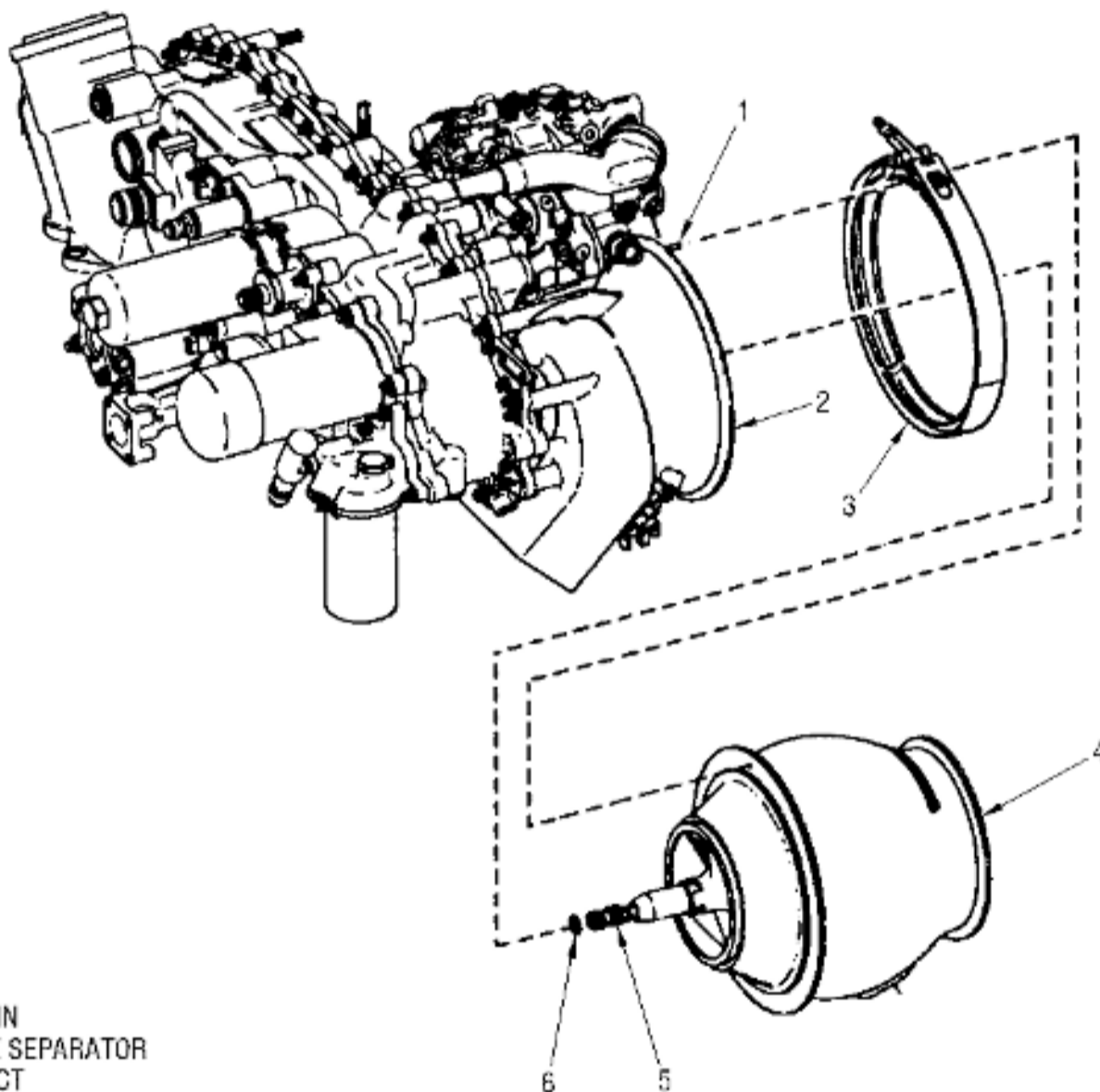
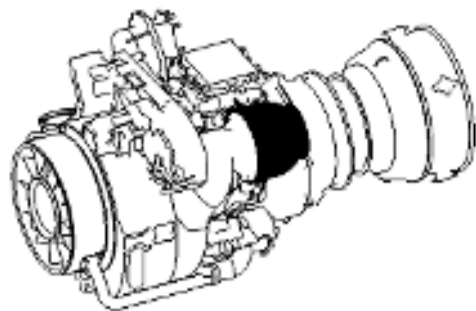
Install the new particle separator blower P/N [6034T62P19](#) and V-band coupling assembly P/N [4135T12P02](#). Refer to CT7-2E1 MM GEK 112043-02, 72-60-00, REMOVAL AND INSTALLATION, TASK 72-60-00-400-801, applicable paragraphs.

C. Test

Perform required tests. Refer to CT7-2E1 MM GEK 112043-02, 72-00-00, TEST, TASK 72-00-00-760-803, applicable paragraphs.

D. Service Record Entry

Record compliance with this Alert Service Bulletin in the appropriate CT7 Turboshaft Engine Service Record.



LEGEND:

- 1. DOWEL PIN
- 2. PARTICLE SEPARATOR INLET DUCT
- 3. V-BAND COUPLING ASSEMBLY
- 4. PARTICLE SEPARATOR BLOWER
- 5. DRIVE SHAFT
- 6. PACKING

6019039-00

Particle Separator Blower and V-Band Coupling Assembly - Removal and Installation
Figure 1

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