

 CT7-2E1 SERVICE BULLETIN - 72-0023 R00

Revised:
04/28/2021

SB 72-0023 R00 ENGINE - ACCESSORY SECTION MODULE (72-60-00) - INTRODUCTION
OF INLET PARTICLE SEPARATOR BLOWER P/N 6034T62P19 AND ACCOMPANYING V-BAND
COUPLING ASSEMBLY P/N 4135T12P02

Issued:
04/28/2021

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1. PLANNING INFORMATION

A. Effectivity

* * * CT7-2E1

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

*CT7-2E1 engines, serial numbers 780280 and below.

This 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.

B. Description

This Service Bulletin introduces a new inlet particle separator (IPS) blower part number (P/N) 6034T62P19 and accompanying V-band coupling assembly P/N 4135T12P02.

C. Compliance

Category 7

GE recommends that you do this Service Bulletin at customer option.

Impact F

Implement as deemed necessary per the Service Bulletin Category.

NOTE: This Service Bulletin can be done on wing or in shop.

D. Concurrent Requirements

None.

E. Reason

(1) Objective:

To introduce new parts and to reduce the cost of ownership.

(2) Condition:

The current IPS blower assembly P/N 6034T62P18 has a specified Chapter 5 life limit. The new IPS blower assembly P/N 6034T62P19 does not require a life limit due to implemented design improvements.

(3) Cause:

Not applicable.

(4) Improvement:

The new IPS blower P/N 6034T62P19 is not life limited due to the following design improvements which offer containment capability: a thicker IPS blower shroud, increased

bolt quantity at the IPS blower shroud to housing flange, and a thicker V-band coupling assembly P/N 4135T12P02 at the accessory gearbox mounting interface.

The new IPS blower P/N 6034T62P19, with accompanying V-band coupling assembly P/N 4135T12P02, will reduce customer cost of ownership as a result of not being life limited.

(5) Substantiation:

Substantiation is by comparative analysis and analysis.

F. Approval

The data contained in this 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 Service Bulletin.

G. Manpower

After you get access to the accessory section module, you will need approximately 1 man-hour to replace the IPS blower and V-band coupling assembly.

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)

**NOTE: The reference document listed below is for the engine manufacturer's internal use only:
CIDs: 526158**

J. Publications Affected

- GEK 112043-02, CT7-2E1 Maintenance Manual (MM)
- GEK 112044-02, CT7-2E1 Shop Manual (SM)
- 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

IPS blower P/N 6034T62P19 must be installed with V-band coupling assembly P/N 4135T12P02. IPS blower P/N 6034T62P18 may be installed with either P/N 4135T12P02, 4042T36P02 or 5056T10P01 V-band coupling assembly.

L. Software Accomplishment Summary

Not applicable.

2. MATERIAL INFORMATION

A. Material - Price and Availability

(1) Parts necessary to do this 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:

None.

(3) Consumables:

None.

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	(1)	Blower, Particle Separator (SIN 70000)	.. 6034T62P18 01-030,72-60-00	(1)	RE	1/A
.. 4135T12P02	(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

None.

E. Tooling - Price and Availability

None.

3. ACCOMPLISHMENT INSTRUCTIONS

A. Removal

Remove the old particle separator blower and V-band coupling assembly ([figure 1](#)). Refer to CT7-2E1 MM GEK 112043-02, 72-60-00, REMOVAL AND INSTALLATION, TASK 72-60-00-400-801, applicable paragraphs.

B. Installation

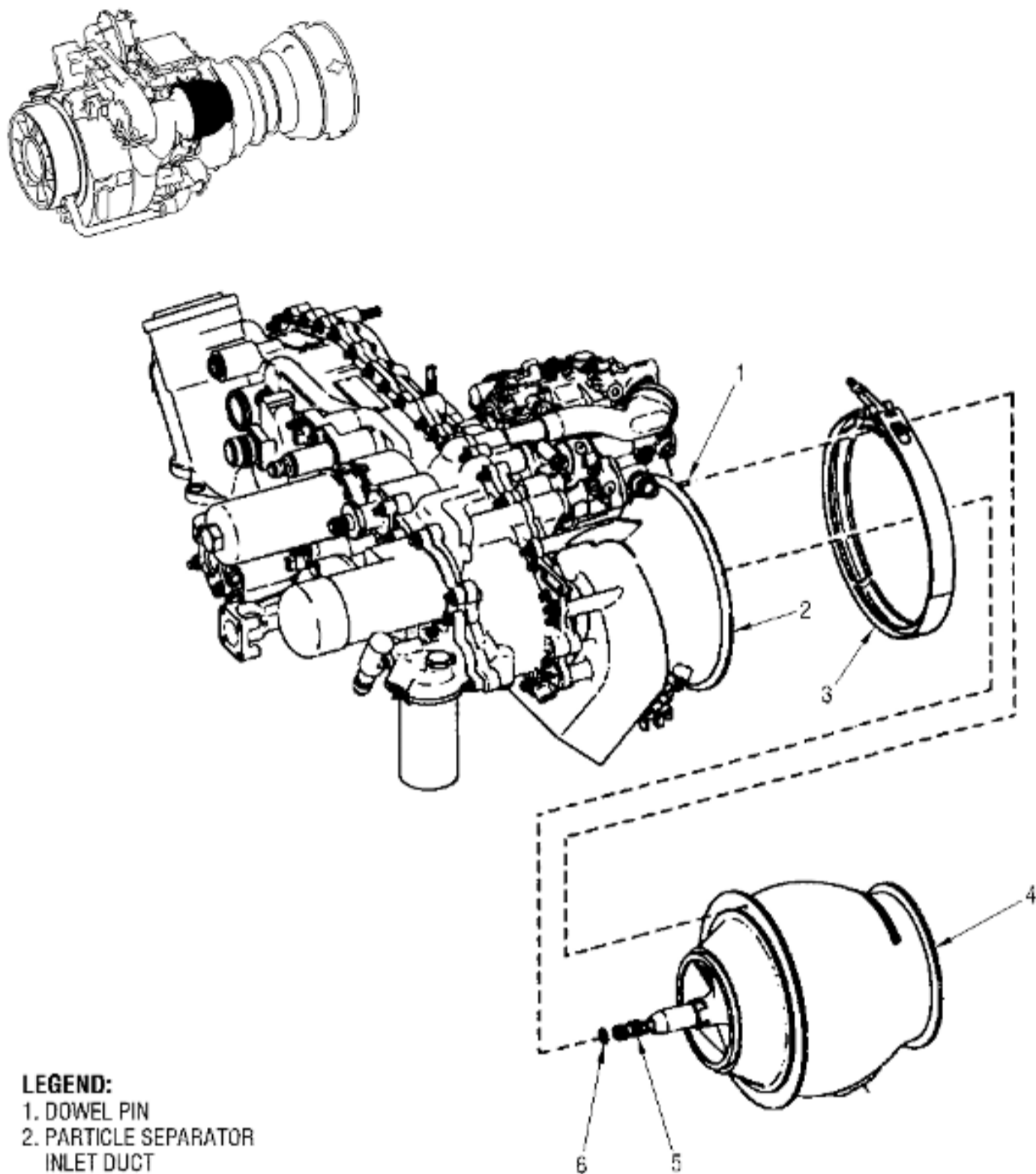
Install the new particle separator blower P/N 6034T62P19 and V-band coupling assembly P/N 4135T12P02. Refer to CT7-2E1 MM GEK 112043-02, 72-60-00, REMOVAL AND INSTALLATION, TASK 72-60-00-400-801, applicable paragraphs.

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 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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