

# ENGINE - HIGH PRESSURE TURBINE STATOR - (72-53-00) - LEAP-1A HPT CASE REMOVAL *SERVICE BULLETIN*

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## References

Table: References

### Technical Publication

LEAP-1A-72-00-0417-01A-930A-D  
 LEAP-1A-72-53-00-01A-530A-C  
 LEAP-1A-72-53-00-01A-710A-C

## Management information

Manufacturer recommendation: . . . . . Recommended  
 Task type: . . . . . Modification  
 Original issue date: . . . . . 2020-10-22

### 1. REVISION INFORMATION

*Not Applicable.*

### 2. SUMMARY

#### A. Reason

To remove a part from service.

### 3. PLANNING INFORMATION

#### A. Applicability

This Service Bulletin is applicable to:

- Engine type: LEAP-1A
- Engine model(s): LEAP-1A23, LEAP-1A24, LEAP-1A24E1, LEAP-1A26, LEAP-1A26CJ, LEAP-1A26E1, LEAP-1A29, LEAP-1A29CJ, LEAP-1A30, LEAP-1A32, LEAP-1A33, LEAP-1A33B2, LEAP-1A35A

This Service Bulletin is applicable to the LEAP-1A engines that have installed the high pressure turbine (HPT) case P/N 2668M94G01 that contains stage 7 ports P/N 2614M30P01, with the serial numbers listed in [Table 1](#) below:

**NOTE:** The HPT case port casting serial numbers listed in Table 1 are the best available data.

Table 1: Affected Population of LEAP-1A Ports P/N 2614M30P01, Reference LEAP-1A S/B 72-0417 for Identification of HPT Case P/N 2668M94G01 and Engine Serial Numbers

HPT Case - Port Casting Serial Number	Remove prior to Cycles Since New (CSN)
FHYR3776	9,000
FHYY6973	9,000
FHYL6295	11,000
FHYP7240	11,000
FHYR3403	12,000
GNF00703	12,000
FHYR2561	13,000
FHYR2578	13,000

## B. Concurrent requirements

Do LEAP-1A S/B 72-0417 when you do this Service Bulletin. Refer to SB: [LEAP-1A-72-00-0417-01A-930A-D](#).

## C. Reason

- (1) Objective:  
To remove the HPT cases with suspected port non-conformances from service.
- (2) Condition:  
HPT cases with affected ports are currently installed on up to 8 LEAP-1A engines.
- (3) Cause:  
HPT case port casting quality concern, which affects the life of up to 8 HPT cases.
- (4) Improvement:  
Replacement of the affected HPT cases with life debit.
- (5) Substantiation:  
Substantiation is by analysis.

## D. Description

This Service Bulletin provides instructions for the replacement of a closed population of HPT cases. The affected population will have a limited life as specified in [Table 1](#) of this Service Bulletin.

## E. Compliance

## Category 2

CFM recommends that you do this Service Bulletin as soon as possible without effect on revenue service but before the intervals specified in [Table 1](#).

Impact A

This recommendation is to address a condition that may affect Flight Safety.

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

This Service Bulletin is offered to improve the reliability or performance of your CFM product, or to help prevent the occurrence of the event or condition described in this Service Bulletin. If the operator elects not to participate in the bulletin, that decision will be taken into consideration by CFM in evaluating future product performance issues that may arise in the operator's fleet.

## F. Approval

The technical content of this Service Bulletin is approved by the FAA and under the Authority of DOA No. EASA.21J.086.

## G. Manpower

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

## H. Weight and balance

Weight and balance are not changed.

## I. Electrical load data

Not Applicable.

## J. Software accomplishment summary

Not Applicable.

## K. Referenced documentation

CFM LEAP-1A Engine Illustrated Parts Catalog (EIPC), CFM-TP-610 EIPC.20

CFM LEAP-1A Engine Shop Manual (ESM), CFM-TP-610 SM.20

CFM Service Bulletin LEAP-1A 72-0417, ENGINE - HIGH PRESSURE TURBINE STATOR - (72-53-00) - LEAP-1A HPT CASE STAGE 7 PORT INSPECTION

**NOTE:** *The reference documents listed below are for the engine manufacturer's internal use only:*

*BPP/EPEX No.: 90525*

## L. Documentation affected

None.

## M. Industry support information

None.

## N. Interchangeability

Not Applicable.

## 4. MATERIAL INFORMATION

### List of material sets

*Not Applicable.*

### List of support equipment

*Not Applicable.*

### List of supplies

*Not Applicable.*

### List of spares

*Spares*

New PN / SIN / MFR	(New Qty)	Unit \$ Price	(Pkg Qty)	L/T	New Part Name	(CSN)
2668M94G01 / 175A0 / 07482	(1)	Quote	(-)	Qu- ote	CASE, HPT	( - )

**NOTE:** Replenishment Lead Time (L/T) in days.

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

### List of removed spares

*Not Applicable.*

## 5. ACCOMPLISHMENT INSTRUCTIONS

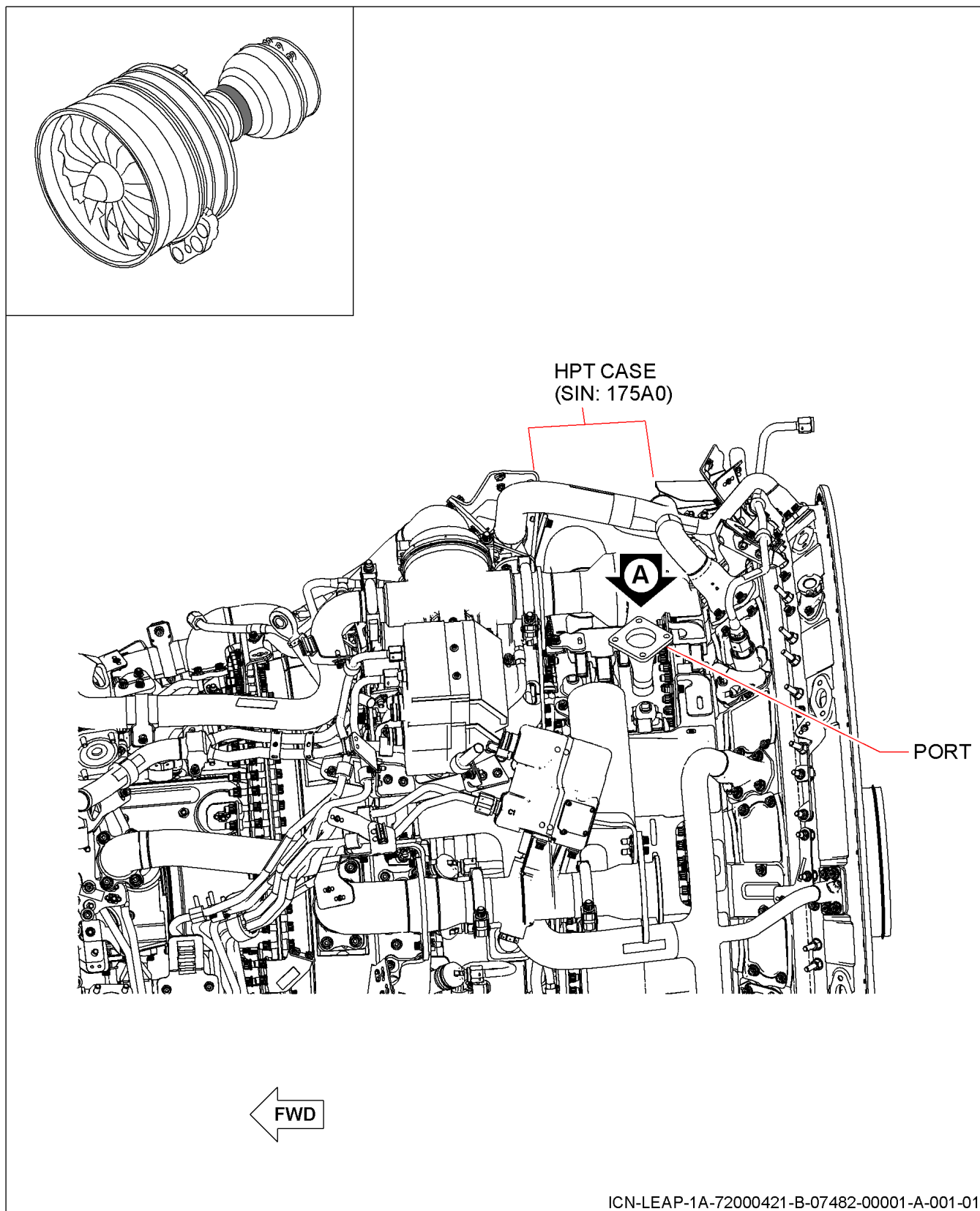
### A. HPT Case Port Identification

- (1) Do an inspection of the four port casting serial numbers of the HPT case (SIN: 175A0, [Figure 1](#)) listed in the LEAP-1A S/B 72-0417 (**Refer to SB:** [LEAP-1A-72-00-0417-01A-930A-D](#)) and do as follows:
  - (a) If any of the four port casting serial numbers match the port casting serial numbers listed in [Table 1](#), do the steps in paragraph 5.B. of this Service Bulletin.
  - (b) If none of the four port casting serial numbers match the port casting serial numbers listed in [Table 1](#), no action is necessary. Refer to paragraph 6., ADDITIONAL INFORMATION for the CFM Aviation Fleet Support contact information.

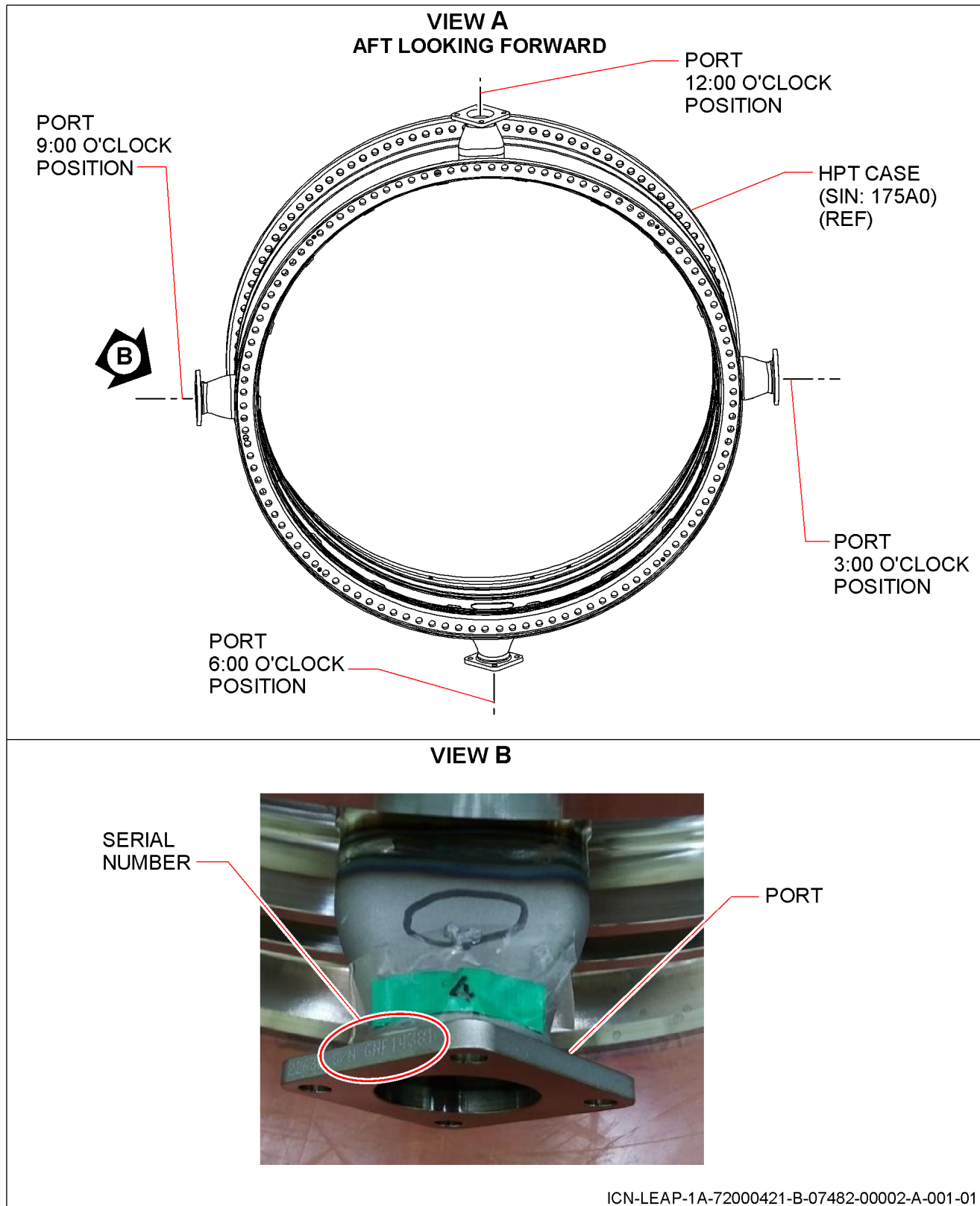
### B. HPT Case Replacement

- (1) Remove the affected HPT case (SIN: 175A0, [Figure 1](#)) from engine. Refer to the LEAP-1A ESM, 72-53-00, DISASSEMBLE PROCEDURE (**Refer to:** [LEAP-1A-72-53-00-01A-530A-C](#)).
- (2) Contact CFM Aviation Fleet Support to get shipping instructions to return the affected HPT case (SIN: 175A0, [Figure 1](#)). Refer to paragraph 6., ADDITIONAL INFORMATION for the CFM Aviation Fleet Support contact information.
- (3) Install a new or serviceable HPT case (SIN: 175A0). Refer to the LEAP-1A ESM, 72-53-00, ASSEMBLE PROCEDURE (**Refer to:** [LEAP-1A-72-53-00-01A-710A-C](#)).
- (4) Inform CFM through GE Aviation Fleet Support that the affected HPT case (SIN: 175A0, [Figure 1](#)) was removed. You must include the engine serial number (ESN), HPT case (SIN: 175A0) part number and

serial number, time since new (TSN), CSN, and the date of the HPT case (SIN: 175A0) removal. Refer to paragraph 6., ADDITIONAL INFORMATION for the CFM Aviation Fleet Support contact information.



Port Serial Number Locations  
Figure 1 (Sheet 1 of 2)



Port Serial Number Locations  
Figure 1 (Sheet 2 of 2)



## 6. ADDITIONAL INFORMATION

### A. Additional information

Table 2: CFM Contact Information

CFM SA ZONE	CFM Inc. Zone
<p>Customer Support Center:  <a href="http://mycfmportal.com">http://mycfmportal.com</a>  Widget AskCFM</p> <p>OR</p> <p>E-mail: <a href="mailto:cfm.csc@safrangroup.com">cfm.csc@safrangroup.com</a></p> <p>OR</p> <p>PSE CFM  SAFRAN Aircraft Engines  Site de MELUN MONTEREAU  BP 1936 - 77019 Melun Cedex  FRANCE</p> <p>OR</p> <p>Phone: +33 1 64 14 88 66  Fax: +33 1 64 14 87 65</p>	<p>GE Aviation Fleet Support:  <a href="http://www.geaviation.com/support">http://www.geaviation.com/support</a></p> <p>OR</p> <p>E-mail (USA): <a href="mailto:aviation.fleetsupport@ge.com">aviation.fleetsupport@ge.com</a>  E-mail (China and Asia): <a href="mailto:aviation.fleetsupport.cn@ge.com">aviation.fleetsupport.cn@ge.com</a></p> <p>OR</p> <p>GE Aviation  M/D Rm. 285  One Neumann Way  OH 45215  USA</p> <p>OR</p> <p>USA Phone: 877-432-3272  International Phone: (513) 552-3272  China and Asia Phone: + 86 21 38777666</p>