

SERVICE BULLETIN REVISION NOTICE

NON-MODIFICATION SERVICE BULLETIN — ENGINE — PACKING — REMOVAL OF SUSPECT PACKINGS

Turbojet Engine Service Bulletin No. V2500-ENG-72-0663 Revision No. 1 dated October 2, 2017.

Revision History

Original Issue March 9, 2017

Revision 1 dated October 2, 2017

Reason for the Revision

To correct Wire PN 4W2627 to Lockwire V02-126 within the Material Information and Accomplishment Instructions sections.

To add a note explaining the differences between Tables 2 and 3 in the Accomplishment Instructions.

Effect of Revision on Prior Compliance

None.

This is a Complete Revision (Not Applicable to the SGML version)

The contents are in accordance with the list of effective pages. All pages have the current revision number. Technical changes are marked with black bars.

MODEL APPLICATION

V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5

BULLETIN ISSUE SEQUENCE

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A copy of this Revision Notice and any future revision notices must be filed as a permanent record with your copy of the subject bulletin.

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SERVICE BULLETIN

NON-MODIFICATION SERVICE BULLETIN — ENGINE — PACKING —
REMOVAL OF SUSPECT PACKINGS

MODEL APPLICATION

V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5

BULLETIN ISSUE SEQUENCE

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72-60-21

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Compliance Category

6

P&W Distribution Code

V2500

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Summary

The purpose of this Non-Modification Service Bulletin (NMSB) is to provide replacement instructions for three (3) Packings, PN AS3209-110 in the gearbox module that may permit oil leakage external to the gearbox module.

Planning Information

Effectivity Data

Engine Models Applicable

V2522-A5, V2524-A5, V2527M-A5, V2527-A5, V2527E-A5, V2530-A5, V2533-A5, which is listed within Table 1.

Any engine as applicable.

Table 1

Engine Serial Numbers With Suspect Packings Installed							
V16536	V16538	V16540	V16542	V16544	V16546	V16547	V16548
V16549	V16550	V16551	V16552	V16553	V16554	V16555	V16556
V16557	V16558	V16560	V16562	V16564	V16566	V16567	V16568
V16569	V16570	V16571	V16572	V16573	V16574	V16575	V16576
V16577	V16578	V16581	V16583	V16584	V16585	V16586	V16587
V16588	V16589	V16590	V16591	V16592	V16593	V16594	V16595
V16596	V16597	V16598	V16599	V16600	V16601	V16602	V16603
V16604	V16606	V16607	V16608	V16609	V16610	V16612	V16613
V16614	V16615	V16616	V16617	V16618	V16619	V16620	V16621
V16622	V16623	V16624	V16625	V16626	V16627	V16628	V16629
V16630	V16631	V16632	V16633	V16634	V16635	V16636	V16637
V16638	V16639	V16640	V16641	V16642	V16643	V16644	V16645
V16646	V16647	V16648	V16649	V16650	V16652	V16653	V16654
V16655	V16656	V16657	V16658	V16659	V16660	V16661	V16662
V16663	V16664	V16665	V16666	V16667	V16668	V16669	V16670
V16671	V16672	V16673	V16674	V16675	V16676	V16677	V16678
V16679	V16680	V16681	V16682	V16683	V16684	V16685	V16686
V16687	V16689	V16690	V16691	V16692	V16693	V16694	V16695
V16696	V16697	V16698	V16699	V16700	V16701	V16702	V16703
V16704	V16705	V16706	V16707	V16708	V16709	V16710	V16711
V16712	V16713	V16714	V16715	V16716	V16717	V16718	V16719
V16720	V16721	V16722	V16723	V16724	V16725	V16726	V16727
V16728	V16729	V16730	V16731	V16733	V16734	V16735	V16736

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Engine Serial Numbers With Suspect Packings Installed							
V16737	V16738	V16739	V16740	V16741	V16742	V16743	V16744
V16745	V16746	V16747	V16748	V16749	V16750	V16751	V16752
V16753	V16754	V16755	V16756	V16757	V16758	V16759	V16760
V16761	V16762	V16763	V16764	V16765	V16766	V16767	V16768
V16769	V16770	V16771	V16772	V16773	V16774	V16775	V16776
V16777	V16778	V16779	V16780	V16781	V16782	V16783	V16784
V16785	V16786	V16787	V16788	V16789	V16790	V16791	V16792
V16793	V16794	V16795	V16796	V16797	V16798	V16799	V16800
V16801	V16802	V16803	V16804	V16805	V16806	V16807	V16808
V16809	V16810	V16811	V16812	V16813	V16814	V16815	V16816
V16817	V16818	V16819	V16820	V16821	V16822	V16823	V16824
V16825	V16826	V16827	V16828	V16829	V16830	V16831	V16832
V16833	V16834	V16835	V16836	V16837	V16838	V16839	V16840
V16841	V16842	V16843	V16844	V16845	V16846	V16847	V16848
V16849	V16850	V16851	V16852	V16853	V16854	V16855	V16856
V16857	V16858	V16859	V16860	V16861	V16862	V16863	V16864
V16865	V16866	V16867	V16868	V16869	V16870	V16871	V16872
V16873	V16874	V16875	V16876	V16877	V16878	V16879	V16880
V16881	V16882	V16883	V16884	V16885	V16886	V16887	V16888
V16889	V16890	V16891	V16892	V16893	V16894	V16895	V16896
V16897	V16898	V16899	V16900	V16901	V16902	V16903	V16904
V16905	V16906	V16907	V16908	V16909	V16910	V16911	V16912
V16913	V16914	V16916	V16917	V16918	V16922	V16924	V16926
V16928	V16930	V16932	V16933	V16934	V16935	V16936	V16938
V16942	V16947	V16957	V16965	V16969	V17050	V17053	V17075
V17077	V17079	V17092	V17185	V17341			

Concurrent Requirements

There are no concurrent requirements.

Reason

1. Condition: Oil leaks have been found in the gearbox module on several low-time engines. The leaks only occur at three (3) oil input adapter locations on the main and angle gearbox casings that use Packing, P/N AS3209-110. When these packings are removed from leak locations, the material is found to be hard and brittle. These

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packings have also formed a rectangular profile as opposed to the normally circular profile.

2. Background: Packings from leak locations have been returned to IAE. Testing has revealed that the packings were made from a material not consistent with the AS3209 specification.
3. Objective: This NMSB provides instructions for the replacement of Packings, PN AS3209-110 for the engine serial numbers and associated gearbox serial numbers identified in Table 2 and Table 3.
4. Substantiation: The instructions contained in this NMSB return the engine to that of the original design intent. The packing replacement instructions are consistent with the original design.
5. Effects of Bulletin on:
 - Removal/Installation: Not Affected.
 - Disassembly/Assembly: Not Affected.
 - Cleaning: Not Affected.
 - Inspection/Check: Not Affected.
 - Repair: Not Affected.
 - Testing: Not Affected.
6. Supplemental Information
 - None.

Description

Replace packings with new.

Compliance

Category 6

Accomplish when the subassembly (i.e. modules, accessories, components, build groups) is disassembled sufficiently to afford access to the affected part and to all affected spare parts.

Approval Data

The compliance statement and the procedures described in this Service Bulletin have been shown to comply with the applicable Federal Aviation Regulations and are FAA-APPROVED for the engine model listed.

The aircraft Type Certificate (TC) holder has been informed of this change.

Manpower

1. In Service
 - A. Necessary to Gain Access 0.5 hours
 - B. Necessary to Remove Scavenge Oil Pump 1.0 hour
 - C. Necessary to Remove Tubes and Oil Input Adapters 1.0 hour
 - D. Necessary to Install Tubes and Oil Input Adapters 1.0 hour

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- E. Necessary to Install Scavenge Oil Pump 4.5 hours
- F. Necessary to Perform Idle Leak Check 0.5 hours
- G. Necessary to return engine to flyable status 0.5 hours
- H. Total Necessary Man-hours 9.0 hours

2. At Overhaul

No more man-hours are necessary when done at complete disassembly/assembly.

Weight and Balance

1. Weight Change

None.

2. Moment Arm

No Effect.

3. Datum

Engine Front Mount Centerline (Power Plant Station (PPS) 100)

Electrical Load Data

This Service Bulletin has no effect on the aircraft electrical load.

Software Accomplishment Summary

Not Applicable.

References

NOTE: In 2014 IAE converted the V2500 Technical Publications to a new system. As a result of the conversion, some manuals were consolidated. All manuals received new P&W part numbers. To facilitate the use of this Service Bulletin, a Technical Publications conversion table is provided in the Appendix.

- 1. ATA Locator — 71-00-00, 72-60-21, 72-60-41, 79-21-48 and 79-22-41.
- 2. Internal Reference No. — 15VC393.
- 3. V2500 Standard Practices and Processes, P&W Ref. PN 2A4414, Chapter/Section 70-41-00 and 70-41-02.
- 4. V2500-A5 Series Illustrated Parts Catalog, P&W Ref. PN 2A4428, Chapter/Section 72-60-21, 72-60-41 and 79-21-48.
- 5. V2500 A1/A5 Series Engine Manual, P&W Ref. PN 2A4407, Chapter/Section 71-00-00, 72-60-21, and 72-60-40.
- 6. V2500 A1/A5 Series Aircraft Maintenance Manual (AMM), P&W Ref. PN 2A4407, Chapter/Section 71-00-00 and 79-22-41.

Other Publications Affected

Not Applicable.

Interchangeability of Parts

Not Applicable.

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Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Added Data (Yes)

Revision to Table of Limits (No)

Inspection Procedures (No)

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Material Information

Material — Price and Availability

1. The estimated price of new material to do this Service Bulletin using new replacement parts is \$7.02.
2. There is no kit provided to do this Service Bulletin.
3. Part availability information is provided in material data Instructions — Disposition.

Industry Support Program

Not Applicable.

The material data that follows is for each engine.

For V2522-A5, V2524-A5, V2527-A5, V2527E-A5, V2527M-A5, V2530-A5, V2533-A5 Engines:

New PN	Qty	Estimate of Unit Price (\$)	Keyword	Old PN	Instructions — Disposition
	3	2.34	PACKING - PREFORMED	AS3209-110 (72-60-21-01-700) (72-60-21-01-760) (72-60-41-01-220)	(5)(X)
	AR	*	LOCKWIRE	V02-126	(E)

Instructions/Disposition Code Statements:

Parts Modification Conditions

Estimated part prices are provided when they are available at time of publication. The Estimate of Unit Price is only for planning purposes and does not constitute a firm quotation. An asterisk (*) is shown where part pricing information was unavailable. In either case, contact IAE Spares for firm quotations.

(5) Do an inspection for the listed Serial Numbers as specified in Table 2 and Table 3 and replace as specified in the Accomplishment Instructions.

Spare Parts Availability

(E) The part is an expendable item necessary to do this bulletin.

(X) See Reference 4 for applicable part replacement.

Vendor Services or Special Components/Materials

Not Applicable.

Tooling — Price and Availability

Special tools are not required to accomplish this Service Bulletin.

Reidentified Parts

Not Applicable.

Other Material Information Data

Not Applicable.

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Accomplishment Instructions

For Engine Installed on Aircraft

WARNING: BE CAREFUL WHEN YOU WORK ON THE ENGINE AFTER SHUTDOWN. THE ENGINE CAN REMAIN HOT FOR A LONG TIME. IF YOU DO NOT OBEY THIS WARNING INJURY CAN OCCUR.

REFER TO MSDS FOR ALL MATERIAL USED AND THE MANUFACTURERS SAFETY INSTRUCTIONS FOR ALL EQUIPMENT USED. IF YOU DO NOT OBEY THIS WARNING INJURY CAN OCCUR.

CAUTION: IN ORDER TO REDUCE THE POTENTIAL FOR MULTIPLE ENGINE IN-FLIGHT SHUT DOWNS, POWER LOSS, OR OTHER ANOMALIES DUE TO MAINTENANCE ERROR, IAE RECOMMENDS THAT OPERATORS AVOID PERFORMING MAINTENANCE ON MULTIPLE ENGINES INSTALLED ON THE SAME AIRCRAFT AT THE SAME TIME. IF IT IS NOT POSSIBLE TO AVOID MAINTENANCE ON MORE THAN ONE ENGINE AT THE SAME TIME, IAE RECOMMENDS THAT ADDITIONAL CONTROLS BE APPLIED IN ORDER TO ENSURE THAT MAINTENANCE TASKS HAVE BEEN COMPLETED AS DEFINED. MAINTENANCE GUIDELINES SHOULD BE REVISED WHERE POSSIBLE, TO PROMOTE THIS RECOMMENDATION.

NOTE: Service bulletin incorporation on engines installed on aircraft may be desirable and should be individually evaluated.

Instruction I - Procedure To Remove And Replace Packing PN AS3209-110 For Angle Gearbox, Tube 181 Location

1. Disconnect Tube 181 at the angle gearbox and at the distributor, and remove Tube 181. See Figure 1 and Figure 4.

NOTE: With an applicable tool, hold the distributor to prevent movement and remove Tube 181.

2. Remove the oil input adapter from the front of the angle gearbox casing. See Figure 5.
 - A. Remove the two bolts which attach the oil input adapter to gearbox.
 - B. Remove the oil input adapter and packing. Save the packing and return to IAE.
3. Install new Packing, PN AS3209-110 into the groove of oil input adapter.
4. Install the oil input adapter into the seat of the angle gearbox. Align the holes in the adapter flange with the two threaded holes. See Figure 5.
5. Install the two bolts and torque to 85 to 95 Lbf.in (9.604 to 10.734 Nm)
6. Install Tube 181 between the angle gearbox and the distributor. Torque both ends of the tube to 204 to 221 Lbf.in (23 to 25 Nm). Safety with Lockwire, V02-126. See Figure 1 and Figure 4.

Instruction II - Procedure To Remove And Replace Packing PN AS3209-110 For Main Gearbox, Left Side, Tube 182 Location

1. If necessary, remove the oil scavenge pump to gain access to Tube 182 and left side oil input adapter. Reference 6, AMM, Task 79-22-41-000-010-A.

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2. Disconnect Tube 182 at the gearbox and at the distributor, and remove Tube 182. See Figure 2 and Figure 4.
NOTE: With an applicable tool, hold the distributor to prevent movement and remove Tube 182.
3. Remove the oil input adapter from the mounting flange of the gearbox (left side above oil scavenge pump). See Figure 6.
 - A. Remove the two bolts which attach the oil input adapter to gearbox.
 - B. Remove the oil input adapter and packing. Save the packing and return to IAE.
4. Install new Packing, PN AS3209-110 into the groove of oil input adapter.
5. Install the oil input adapter into the seat on the left hand side of the gearbox. Align the holes in the adapter flange with the two threaded holes. See Figure 6.
6. Install the two bolts and torque to 85 to 95 Lbf.in (9.604 to 10.734 Nm).
7. Install Tube 182 on the gearbox between the distributor and the gearbox, adjacent to the oil scavenge pump. Torque the both ends of the tube to 204 to 221 Lbf.in (23 to 25 Nm). Safety with Lockwire, V02-126. See Figure 2 and Figure 4.
8. If removed, install the oil scavenge pump. Reference 6, AMM, Task 79-22-41-400-010-A.

Instruction III - Procedure To Remove And Replace Packing PN AS3209-110 For Main Gearbox, Right Side, Tube 183 Location

1. Disconnect Tube 183 at the gearbox and at the distributor, and remove Tube 183. See Figure 3 and Figure 4.
NOTE: With an applicable tool, hold the distributor to prevent movement and remove Tube 183.
2. Remove the oil input adapter from the mounting flange of the gearbox (right side). See Figure 6.
 - A. Remove the two bolts which attach the oil input adapter to gearbox.
 - B. Remove the oil input adapter and packing. Save the packing and return to IAE.
3. Install new Packing, PN AS3209-110 into the groove of oil input adapter.
4. Install the oil input adapter into the seat on the right hand side of the gearbox. Align the holes in the adapter flange with the two threaded holes. See Figure 6.
5. Install the two bolts and torque to 85 to 95 Lbf.in (9.604 to 10.734 Nm).
6. Install Tube 183 on the gearbox between the distributor and the gearbox, adjacent to the IDG. Torque both ends of the tube to 204 to 221 Lbf.in (23 to 25 Nm). Safety with Lockwire, V02-126. See Figure 3 and Figure 4.

Instruction IV - Perform Oil Leak Check And Record Completion Of Accomplishment Instructions

1. Perform an oil leak check.
 - A. Perform an oil leak check, Reference 6, AMM Task 71-00-00-710-012-B.
2. Recording Instructions
 - A. A record of accomplishment is required.

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For Engines Not Installed On Aircraft

1. Replace Packing, PN AS3209-110 with new at the angle gearbox near Tube 181, Reference 5, EM Task 72-60-40-040-001 and Task 72-60-40-440-001. See Figure 5.
2. Replace Packing, PN AS3209-110 with new at gearbox left side near Tube 182, Reference 5, EM Task 72-60-21-040-001 and Task 72-60-21-440-001. See Figure 6.
3. Replace Packing, PN AS3209-110 with new at gearbox right side near Tube 183, Reference 5, EM Task 72-60-21-040-001 and Task 72-60-21-440-001. See Figure 6.
4. Perform an oil leak check, Reference 5, EM Task 71-00-00-700-003-B00.
5. Recording Instructions
 - A. A record of accomplishment is required.

Table 2

Serial Numbers of the Accessory Gearbox Group (Part Number 4A1028-C) with Suspect Packings and associated Engine Serial Number the Accessory Gearbox Group was originally installed. Table 2 contains Engine Serial Numbers of Population Group A.							
Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N
V16536	FAG36698	V16583	FAG39151	V16620	FAG45172	V16656	FAG50816
V16538	FAG36701	V16584	FAG41623	V16621	FAG44573	V16657	FAG50823
V16540	FAG36702	V16585	FAG37980	V16622	FAG45173	V16658	FAG50819
V16542	FAG36703	V16586	FAG43026	V16623	FAG45175	V16659	FAG51905
V16544	FAG37933	V16587	FAG39150	V16624	FAG45174	V16660	FAG51904
V16546	FAG37966	V16588	FAG43024	V16625	FAG47467	V16661	FAG51906
V16547	FAG36697	V16589	FAG40582	V16626	FAG47456	V16662	FAG49815
V16548	FAG39145	V16590	FAG43023	V16627	FAG45176	V16663	FAG50820
V16549	FAG36700	V16591	FAG37977	V16628	FAG47457	V16664	FAG51902
V16550	FAG39146	V16592	FAG43838	V16629	FAG47458	V16665	FAG52498
V16551	FAG35831	V16593	FAG40581	V16630	FAG47468	V16666	FAG51903
V16552	FAG39147	V16594	FAG43839	V16631	FAG48372	V16667	FAG51908
V16553	FAG37944	V16595	FAG43013	V16632	FAG47469	V16669	FAG51907
V16554	FAG39144	V16596	FAG43840	V16633	FAG48373	V16673	FAG51901
V16555	FAG37955	V16597	FAG43008	V16634	FAG48375	V16677	FAG50822
V16556	FAG24135	V16598	FAG43842	V16635	FAG48378	V16679	FAG50245
V16557	FAG35832	V16599	FAG43012	V16636	FAG48374	V16693	FAG50817
V16558	FAG40576	V16600	FAG43843	V16637	FAG48377	V16711	FAG50241
V16560	FAG40577	V16601	FAG43022	V16638	FAG49816	V16883	FAG49814

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Serial Numbers of the Accessory Gearbox Group (Part Number 4A1028-C) with Suspect Packings and associated Engine Serial Number the Accessory Gearbox Group was originally installed. Table 2 contains Engine Serial Numbers of Population Group A.							
Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N
V16562	FAG40578	V16602	FAG44568	V16639	FAG48376	V17185	FAG50240
V16564	FAG40579	V16603	FAG43025	V16640	FAG49818		
V16566	FAG40580	V16604	FAG44569	V16641	FAG49813		
V16567	FAG36704	V16606	FAG44571	V16642	FAG49817		
V16568	FAG40583	V16607	FAG43845	V16643	FAG44570		
V16569	FAG35833	V16608	FAG44572	V16644	FAG47470		
V16570	FAG41617	V16609	FAG43841	V16645	FAG49820		
V16571	FAG37978	V16610	FAG45168	V16646	FAG49819		
V16572	FAG41622	V16612	FAG45169	V16647	FAG50239		
V16573	FAG37979	V16613	FAG43844	V16648	FAG50242		
V16574	FAG41624	V16614	FAG45170	V16649	FAG48379		
V16575	FAG36699	V16615	FAG41621	V16650	FAG50243		
V16576	FAG41618	V16616	FAG44575	V16652	FAG50244		
V16577	FAG39148	V16617	FAG44574	V16653	FAG50821		
V16578	FAG41620	V16618	FAG47455	V16654	FAG50246		
V16581	FAG39149	V16619	FAG41619	V16655	FAG50818		

Table 3

Serial Numbers of the Accessory Gearbox Group (Part Number 4A1028-C) with Suspect Packings and associated Engine Serial Number the Accessory Gearbox Group was originally installed. Table 3 contains Engine Serial Numbers of Population Group B.							
Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N
V16668	FAG52502	V16742	FAG63860	V16808	FAG70772	V16874	FAG79538
V16670	FAG52501	V16743	FAG63896	V16809	FAG73690	V16875	FAG84494
V16671	FAG52499	V16744	FAG64446	V16810	FAG72188	V16876	FAG80362
V16672	FAG52503	V16745	FAG65124	V16811	FAG71191	V16877	FAG81197
V16674	FAG52504	V16746	FAG64447	V16812	FAG72189	V16878	FAG80366
V16675	FAG52500	V16747	FAG52945	V16813	FAG73689	V16879	FAG81715
V16676	FAG52944	V16748	FAG64466	V16814	FAG72191	V16880	FAG80367
V16678	FAG52946	V16749	FAG60814	V16815	FAG73691	V16881	FAG73061
V16680	FAG52949	V16750	FAG64467	V16816	FAG71192	V16882	FAG80368

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Serial Numbers of the Accessory Gearbox Group (Part Number 4A1028-C) with Suspect Packings and associated Engine Serial Number the Accessory Gearbox Group was originally installed. Table 3 contains Engine Serial Numbers of Population Group B.

Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N
V16681	FAG52948	V16751	FAG65121	V16817	FAG74424	V16884	FAG81193
V16682	FAG52947	V16752	FAG64468	V16818	FAG73683	V16885	FAG61983
V16683	FAG54041	V16753	FAG65122	V16819	FAG74396	V16886	FAG81195
V16684	FAG54039	V16754	FAG65120	V16820	FAG73064	V16887	FAG83477
V16685	FAG54047	V16755	FAG66105	V16821	FAG74397	V16888	FAG81200
V16686	FAG54040	V16756	FAG65125	V16822	FAG73066	V16889	FAG84475
V16687	FAG52505	V16757	FAG66101	V16823	FAG75072	V16890	FAG81710
V16689	FAG57357	V16758	FAG65126	V16824	FAG73682	V16891	FAG83476
V16690	FAG54053	V16759	FAG66112	V16825	FAG75071	V16892	FAG81711
V16691	FAG57358	V16760	FAG65127	V16826	FAG73065	V16893	FAG83478
V16692	FAG54054	V16761	FAG67302	V16827	FAG74426	V16894	FAG81712
V16694	FAG57362	V16762	FAG66099	V16828	FAG73684	V16895	FAG84508
V16695	FAG57361	V16763	FAG64239	V16829	FAG74425	V16896	FAG81713
V16696	FAG54042	V16764	FAG66100	V16830	FAG73686	V16897	FAG83599
V16697	FAG57359	V16765	FAG67601	V16831	FAG74423	V16898	FAG81714
V16698	FAG54055	V16766	FAG66102	V16832	FAG73692	V16899	FAG84506
V16699	FAG57364	V16767	FAG67600	V16833	FAG75075	V16900	FAG75070
V16700	FAG57360	V16768	FAG67307	V16834	FAG74422	V16901	FAG84507
V16701	FAG59173	V16769	FAG65123	V16835	FAG74427	V16902	FAG81870
V16702	FAG59189	V16770	FAG67595	V16836	FAG79542	V16903	FAG86325
V16703	FAG59188	V16771	FAG66103	V16837	FAG73063	V16904	FAG81871
V16704	FAG59190	V16772	FAG67303	V16838	FAG75073	V16905	FAG86328
V16705	FAG57363	V16773	FAG67597	V16839	FAG72192	V16906	FAG81872
V16706	FAG59191	V16774	FAG67305	V16840	FAG75074	V16907	FAG59946
V16707	FAG59209	V16775	FAG68563	V16841	FAG69488	V16908	FAG81873
V16708	FAG59941	V16776	FAG67304	V16842	FAG75076	V16909	FAG83479
V16709	FAG52951	V16777	FAG67599	V16843	FAG78508	V16910	FAG82768
V16710	FAG59200	V16778	FAG67306	V16844	FAG75077	V16911	FAG81876
V16712	FAG59210	V16779	FAG69482	V16845	FAG78505	V16912	FAG82769
V16713	FAG60809	V16780	FAG67594	V16846	FAG75453	V16913	FAG81877

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Serial Numbers of the Accessory Gearbox Group (Part Number 4A1028-C) with Suspect Packings and associated Engine Serial Number the Accessory Gearbox Group was originally installed. Table 3 contains Engine Serial Numbers of Population Group B.

Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N	Engine	GBX S/N
V16714	FAG59942	V16781	FAG69485	V16847	FAG79537	V16914	FAG82770
V16715	FAG52950	V16782	FAG70773	V16848	FAG75454	V16916	FAG83596
V16716	FAG59943	V16783	FAG69480	V16849	FAG78510	V16917	FAG84496
V16717	FAG61978	V16784	FAG68558	V16850	FAG75455	V16918	FAG83597
V16718	FAG59949	V16785	FAG69481	V16851	FAG71188	V16922	FAG70767
V16719	FAG59945	V16786	FAG68559	V16852	FAG75456	V16924	FAG84485
V16720	FAG59947	V16787	FAG69484	V16853	FAG80361	V16926	FAG86604
V16721	FAG61979	V16788	FAG68561	V16854	FAG68557	V16928	FAG86603
V16722	FAG60810	V16789	FAG69483	V16855	FAG79544	V16930	FAG86331
V16723	FAG61982	V16790	FAG68562	V16856	FAG75457	V16932	FAG86330
V16724	FAG60811	V16791	FAG68560	V16857	FAG80364	V16933	FAG86327
V16725	FAG60813	V16792	FAG69486	V16858	FAG75458	V16934	FAG86332
V16726	FAG60812	V16793	FAG66104	V16859	FAG78509	V16935	FAG86326
V16727	FAG60815	V16794	FAG68564	V16860	FAG75459	V16936	FAG86329
V16728	FAG61980	V16795	FAG71190	V16861	FAG78507	V16938	FAG86606
V16729	FAG61984	V16796	FAG70766	V16862	FAG75460	V16942	FAG86605
V16730	FAG61981	V16797	FAG71193	V16863	FAG80363	V16947	FAG67596
V16731	FAG60816	V16798	FAG70768	V16864	FAG78503	V16957	FAG84495
V16733	FAG64465	V16799	FAG71189	V16865	FAG81196	V16965	FAG81874
V16734	FAG63862	V16800	FAG73059	V16866	FAG78504	V16969	FAG67598
V16735	FAG64448	V16801	FAG72187	V16867	FAG80365	V17050	FAG86799
V16736	FAG63894	V16802	FAG70769	V16868	FAG79541	V17053	FAG81717
V16737	FAG63893	V16803	FAG73060	V16869	FAG81199	V17075	FAG78506
V16738	FAG63861	V16804	FAG70770	V16870	FAG79539	V17077	FAG81875
V16739	FAG61985	V16805	FAG73062	V16871	FAG81194	V17079	FAG81198
V16740	FAG63886	V16806	FAG70771	V16872	FAG79540	V17092	FAG83598
V16741	FAG63895	V16807	FAG71194	V16873	FAG81716	V17341	FAG59944

NOTE: There are two population groups of effected Engine Serial Numbers. Population Group A contains Engines that are more likely to contain packings made from non-conforming material. Population Group B contains Engines that are less likely to contain packings made from non-conforming material. Reference Table 2 for Engines in Population

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Group A and Table 3 for Engines in Population Group B. There are no differences for incorporation of this NMSB between Population Group A and B Engines.

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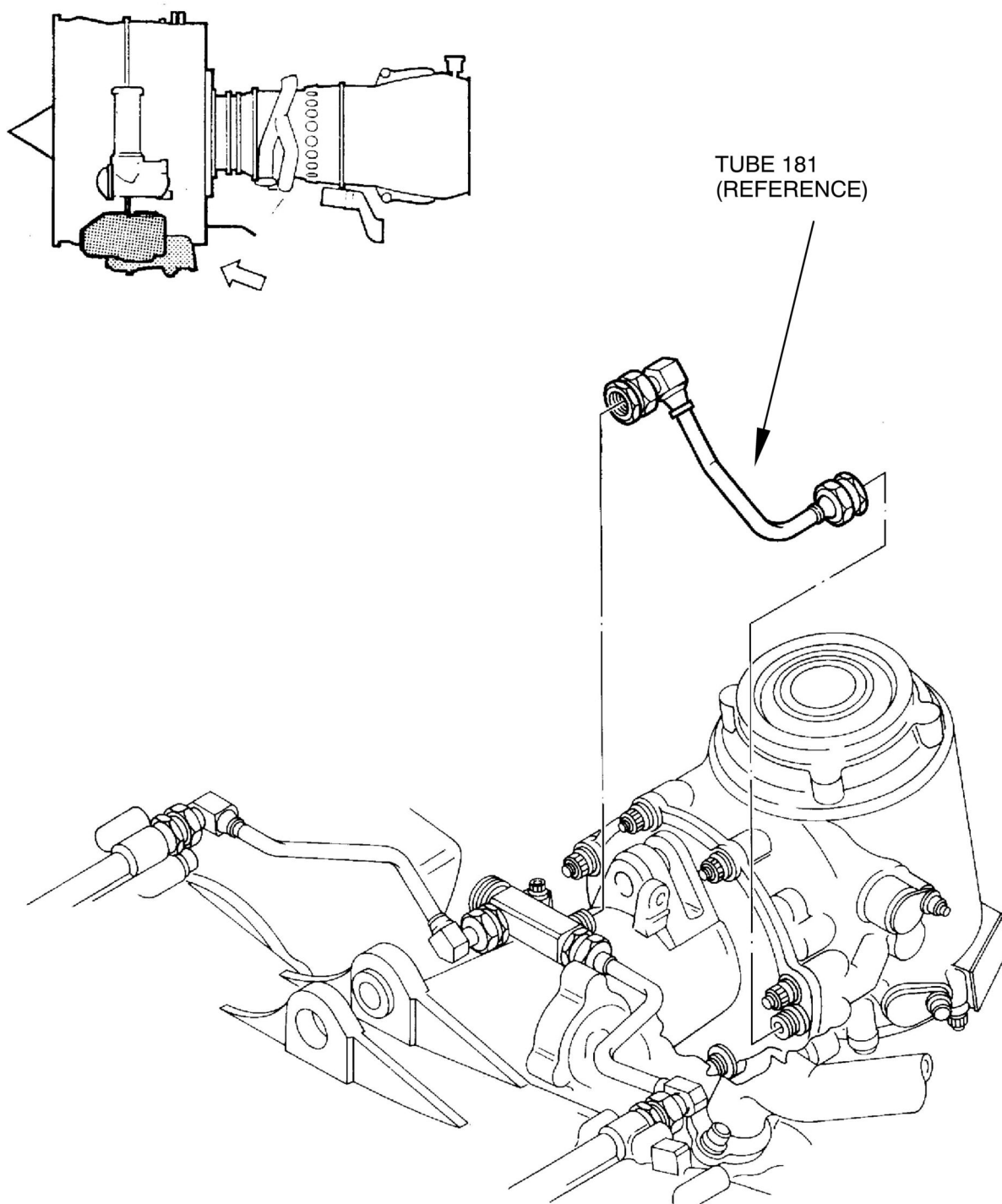
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B526578

LOCATION OF TUBE 181
FIGURE 1

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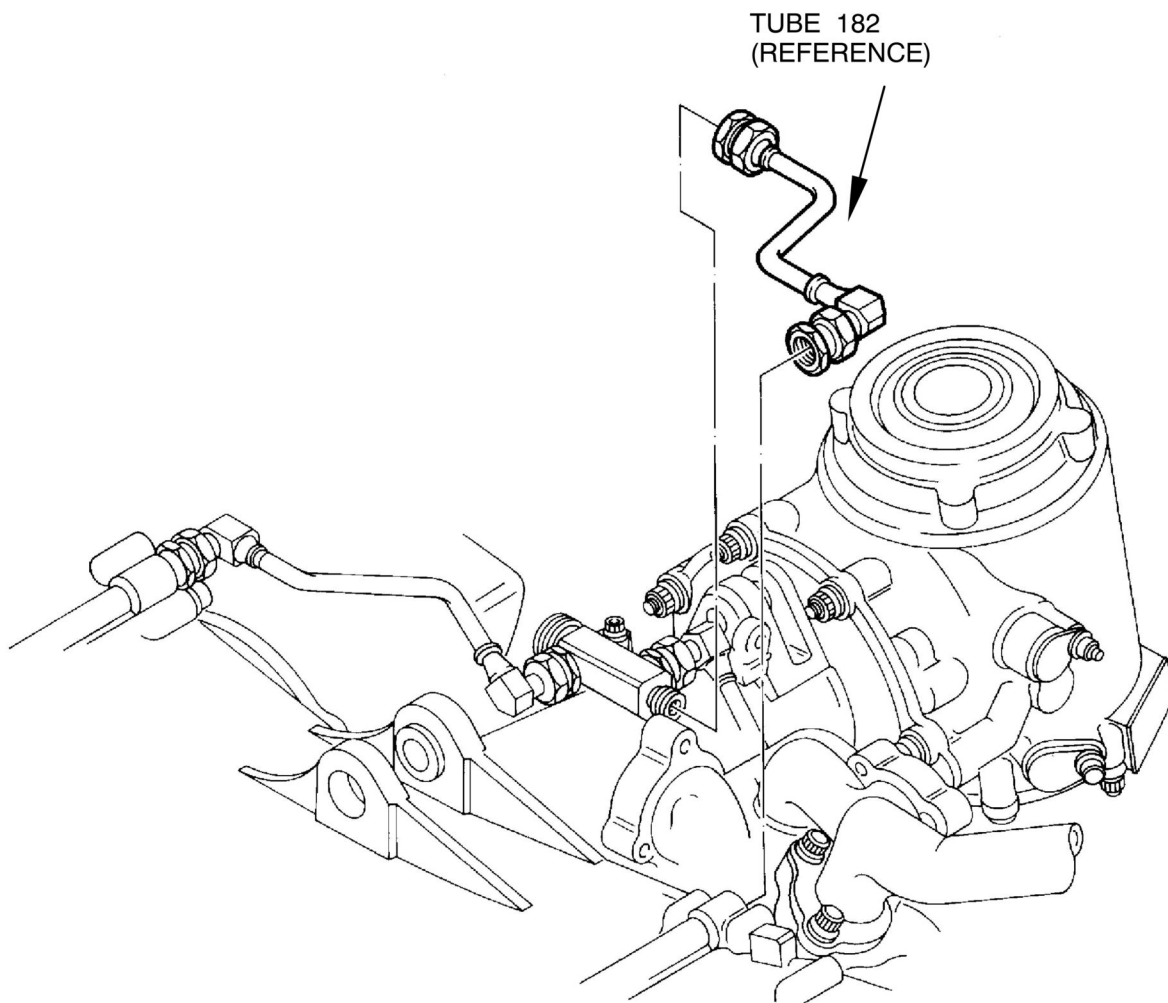
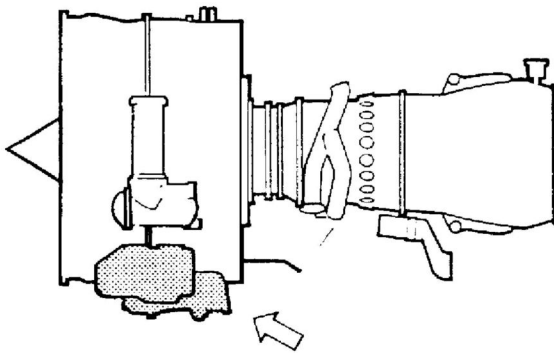
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LOCATION OF TUBE 182
FIGURE 2

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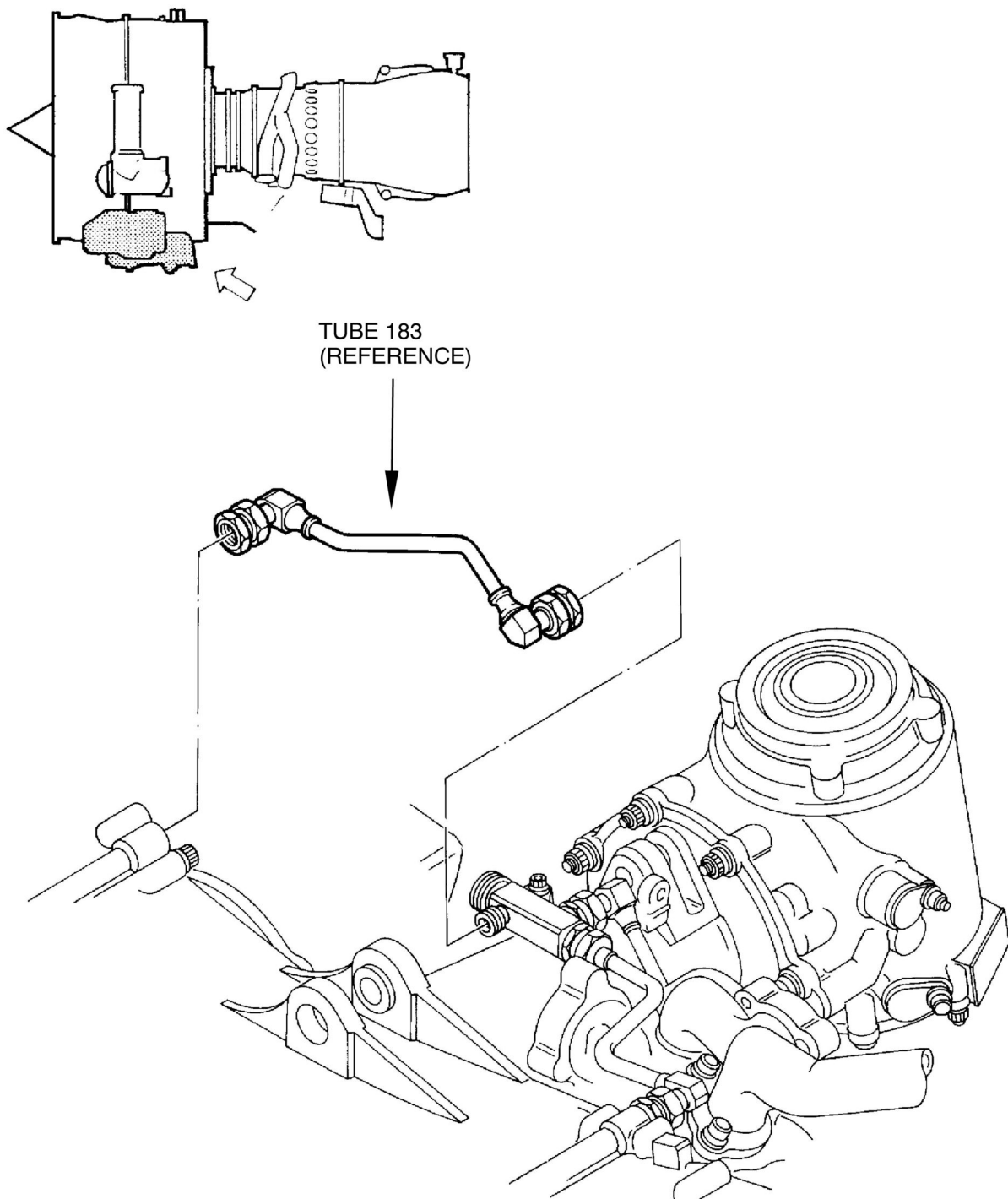
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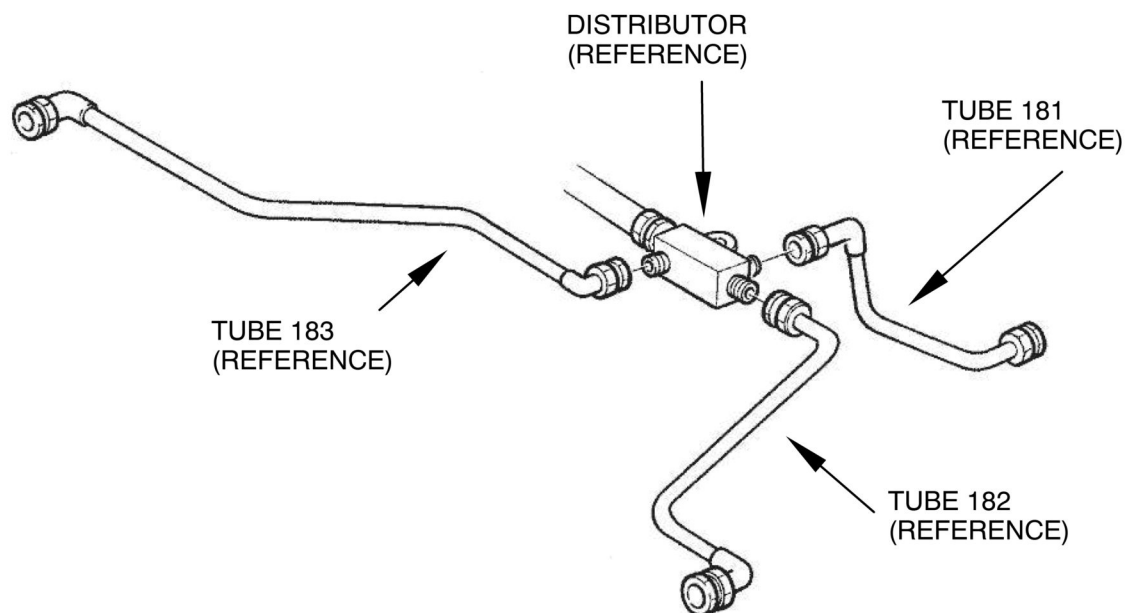
LOCATION OF TUBE 183
FIGURE 3

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B526581

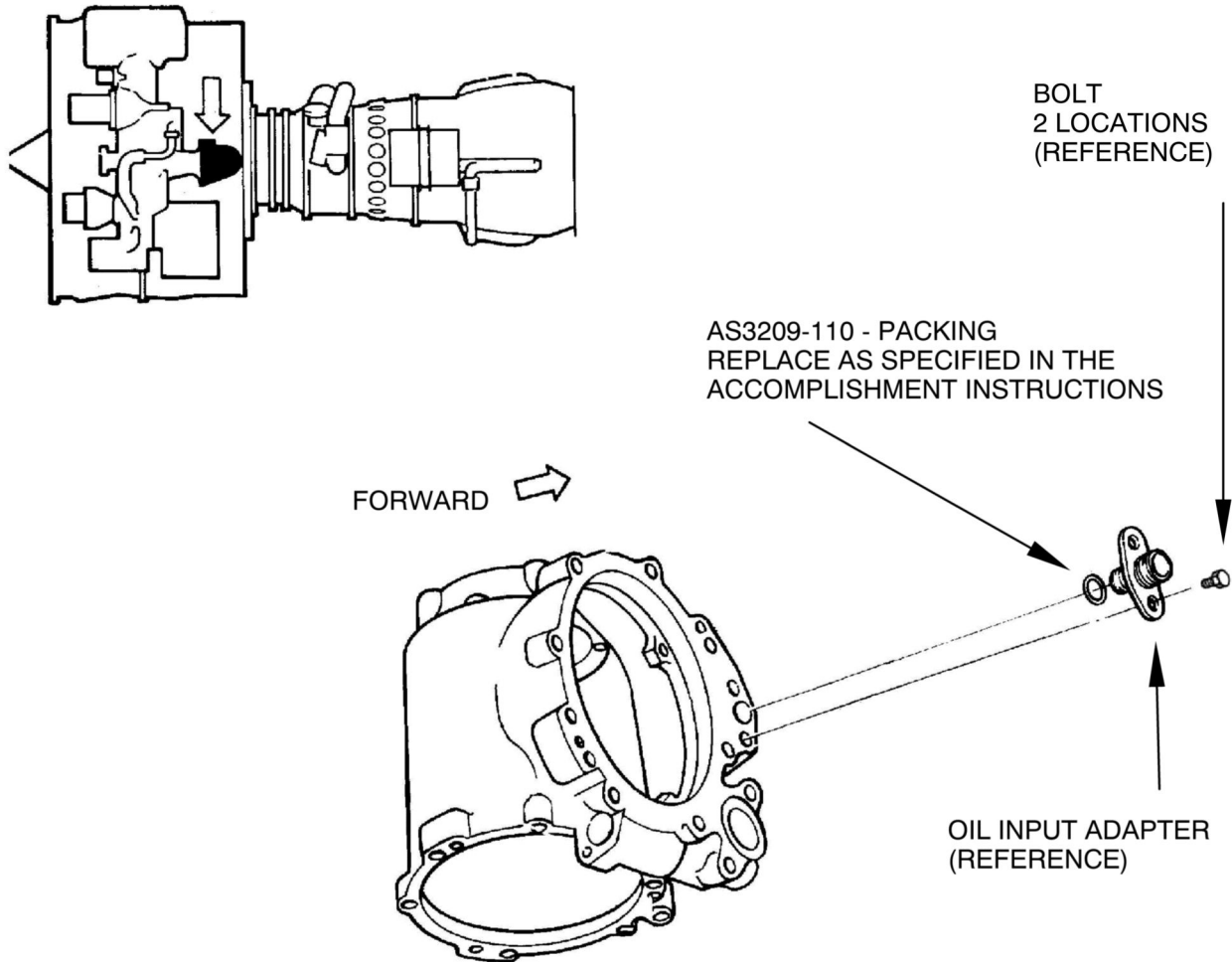
LOCATION OF DISTRIBUTOR
FIGURE 4

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LOCATION OF PACKING (TUBE 181)
FIGURE 5

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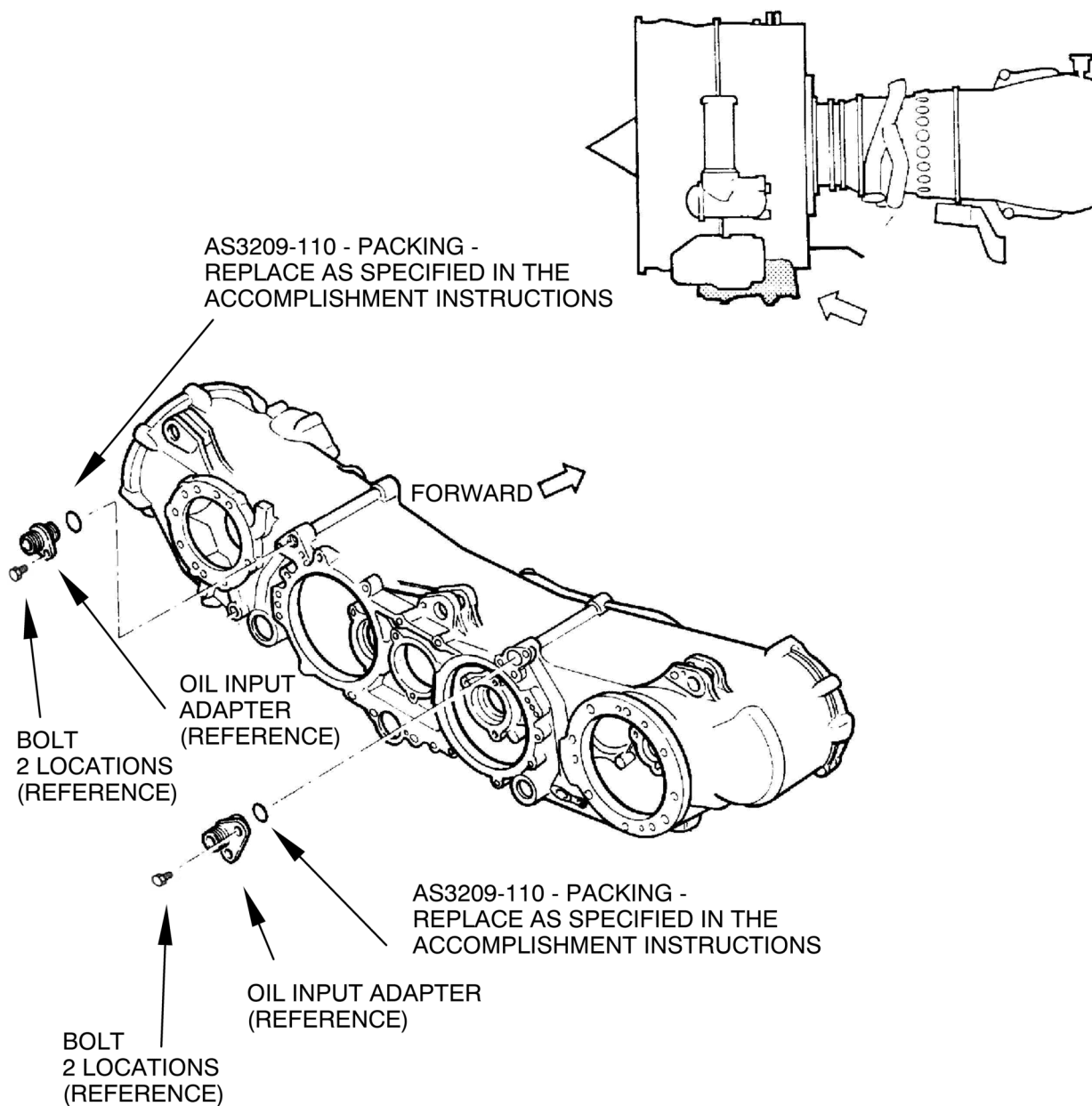
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LOCATION OF PACKING (TUBE 182 AND TUBE 183)
FIGURE 6

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Appendix

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination
Original	EA15VC393	RB/JAC
1	EA15VC393	RB/JAC

Number values shown in parentheses adjacent to U.S. values are International System of units (SI) equivalents.

To calculate part life, include the hours and/or cycles since the part was made. Use the total hours or cycles to calculate life limits that are the result of part modification, a part used in an engine with different thrust, or for some other reason.

NOTE: In 2014 IAE converted the V2500 Technical Publications to a new system. As a result of the conversion, some manuals were consolidated. All manuals received new P&W part numbers. To facilitate the use of this Service Bulletin, the following Technical Publications cross reference table is provided.

Technical Publications Cross Reference Table

Publication	Engine Model(s)	IAE IETM Pub Ref	P&W Part Number
ENGINE MANUAL — A1, A5	All	E-V2500-1IA	2A4407
CMM-EHC — A1, A5	All	EHC-V2500-1IA	2A4409
CMM-FN — A1, A5	All	FN-V2500-1IA	2A4410
CMM-MMC — A1, A5	All	MECH-V2500-1IA	2A4411
CMM-THD — A1, A5	All	THD-V2500-1IA	2A4412
TLM — A1, A5	All	T-V2500-1IA	2A4408
ENGINE MANUAL — D5	All	E-V2500-3IA	2A4416
CMM-EHC — D5	All	EHC-V2500-31A	2A4418
CMM-FN — D5	All	FN-V2500-3IA	2A4419
CMM-MMC — D5	All	MECH-V2500-3IA	2A4420
CMM-THD — D5	All	THD-V2500-3IA	2A4423
TLM — D5	All	T-V2500-3IA	2A4417
SPPM (SPM) — A1, A5, D5	All	SPP-V2500-1IA	2A4414
EIPC — A1	V2500-A1102Q00	S-V2500-1IA	2A4427

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Publication	Engine Model(s)	IAE IETM Pub Ref	P&W Part Number
EIPC — A5	V2522/V2524/V2527M-AQ02	S-V2500-6IA	2A4428
	V2522/V2524/V2527M-AQ03	S-V2500-6IB	
	V2522/V2524/V2527M-SQ02	S-V2500-6SA	
	V2522/V2524/V2527M-SQ03	S-V2500-6SB	
	V2522/V2524/V2527M-SQ04	S-V2500-6NA	
	V2522/V2524/V2527M-SQ05	S-V2500-6NB	
	V2527/V2527E-AQ02	S-V2500-7IA	
	V2527/V2527E-AQ03	S-V2500-7IB	
	V2527/V2527E-SQ02	S-V2500-7SA	
	V2527/V2527E-SQ03	S-V2500-7SB	
	V2527/V2527E-SQ04	S-V2500-7NA	
	V2527/V2527E-SQ05	S-V2500-7NB	
	V2530-AQ02	S-V2500-2IA	
	V2530-AQ03	S-V2500-2IB	
	V2530-SQ02	S-V2500-2SA	
	V2530-SQ03	S-V2500-2SB	
	V2530-SQ04	S-V2500-2NA	
	V2530-SQ05	S-V2500-2NB	
	V2533-AQ02	S-V2500-5IA	
	V2533-AQ03	S-V2500-5IB	
	V2533-SQ02	S-V2500-5SA	
	V2533-SQ03	S-V2500-5SB	
	V2533-SQ04	S-V2500-5NA	
	V2533-SQ05	S-V2500-5NB	
EIPC — D5	V2525/V2528-AQ02	S-V2500-3IA	2A4426
	V2525/V2528-AQ03	S-V2500-3IB	
	V2525/V2528-AQ04	S-V2500-3IC	

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