

SERVICE BULLETIN

NON-MODIFICATION SERVICE BULLETIN — NO. 3 BEARING — REDUCED MASTER MAGNETIC CHIP DETECTOR INSPECTION INTERVAL FOR SUSPECT POPULATION (LOT B)

MODEL APPLICATION

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

BULLETIN ISSUE SEQUENCE

V2500 Series 72-0672

72-32-24

IAE PROPRIETARY INFORMATION

This document is the property of International Aero Engines (IAE). You may not possess, use, copy or disclose this document or any information in it, for any purpose, including without limitation to design, manufacture, or repair parts, or obtain FAA or other government approval to do so, without IAE's express written permission. Neither receipt nor possession of this document alone, from any source, constitutes such permission. Possession, use, copying or disclosure by anyone without IAE's express written permission is not authorized and may result in criminal and/or civil liability.

WARNING – This document contains technical data the export of which is or may be restricted by the Export Administration Act and the Export Administration Regulations (EAR), 15 C.F.R. parts 730-774. Diversion contrary to U.S. law is prohibited. The export, re-export, transfer or re-transfer of this technical data to any other company, entity, person, or destination, or for any use or purpose other than that for which the technical data was originally provided by IAE, is prohibited without prior written approval from IAE and authorization under applicable export control laws.

Not subject to the EAR per 15 C.F.R. Chapter 1, Part 734.3(b)(3).

Compliance Category

3

P&W Distribution Code

V2500

March 22/16



Summary

The purpose of this Service Bulletin is to introduce a 125 hour reduced inspection interval for the Master Magnetic Chip Detector (MMCD) for No. 3 bearings contained in Lot B of the suspect population.

Planning Information

Effectivity Data

Engine Models Applicable

1. V2522-A5, V2524-A5, V2527M-A5, V2527-A5, V2527E-A5, V2530-A5, V2533-A5 Engine with serial numbers:

```
V10368, V10399, V10520, V10617, V10743, V10846, V11095, V11183, V11287,
V11379, V11380, V11412, V11710, V11740, V11796, V11818, V12180, V12455,
V12693, V12750, V15020, V16581, V16582, V16584, V16585, V16586, V16587,
V16588, V16589, V16592, V16593, V16594, V16595, V16597, V16598, V16600,
V16606, V16608, V16609, V16610, V16611, V16612, V16613, V16614, V16615,
V16616, V16617, V16619, V16620, V16621, V16623, V16624, V16625, V16626,
V16627, V16628, V16645, V16650, V16651, V16656, V16657, V16658, V16659,
V16660, V16661, V16662, V16663, V16664, V16665, V16666, V16667, V16668,
V16669, V16670, V16671, V16672, V16674, V16675, V16676, V16677, V16678,
V16683, V16684, V16685, V16686, V16687, V16688, V16697, V16698, V16699,
V16712, V16713, V16715, V16716, V16717, V16718, V16719, V16720, V16721,
V16731, V16735, V16739, V16740, V16741, V16742, V16744, V16745, V16746,
V16750, V16752, V16753, V16754, V16755, V16756, V16757, V16759, V16767,
V16791, V16792, V16793, V16795, V16799, V16800, V16801, V16807, V16808,
V16809, V16810, V16822, V16823, V16829, V16848, V16850, V16854, V16858,
V16864, V16866, V16867, V16868, V16869, V16870, V16871, V16872, V16873,
V16875, V16876, V16881, V16882, V16883, V16885, V16886, V16890, V16891,
V16895, V16896, V16897, V16898, V16899, V16900, V16901, V16902, V16903,
V16905, V16910, V17081, V17082, V17090, V17092, V17108, V17110, V17401,
V17402, V17407, V17409, V17411, V17412, V17419, V17422, V17423, V17424,
V17427, V17430, V17432, V17435, V17437, V17440, V17441, V17442, V17443,
V17444, V17445, V17446, V17447, V17448, V17449, V17450, V17451, V17452,
V17453, V17454, V17456, V17457, V17458, V17459, V17460, V17461, V17464,
V17465, V17470, V17472, V17473, V17474, V17475, V17476, V17477, V17478,
V17479, V17480, V17481, V17482, V17483, V17484, V17486, V17487, V17498,
V17501, V17502, V17508, V17509, V17510, V17511, V17512, V17514, V17590,
V17593, V17601, V17618, V17622, V17623, V17624, V17625, V17627, V17628,
V17629, V17630, V17771
```

Appendix 1 — Listing of known engine installations of suspect Lot B No. 3 bearings.

Concurrent Requirements

There are no concurrent requirements.

Reason

- 1. Condition: IAE has observed characteristic lives for bearings produced from two ball Lots (A and B) that are statistically lower than the general population.
- 2. Background: Since January 2015, there have been four confirmed low time No. 3 bearing events containing No. 3 bearings produced from ball Lot A and two confirmed

March 22/16



low time events from Lot B. There are separate Non-Modification Service Bulletin (NMSB's) for each No. 3 Bearing suspect ball Lot. Lot B subject of this NMSB, and reference 3, Service Bulletin No. V2500-ENG-72-0671 for Lot A).

- 3. Objective: This NMSB introduces a 125 hour reduced inspection interval for the Master MCD for engines that have a suspect Lot B bearing installed. This inspection interval will reduce the risk of subsequent distress that could lead to an In-Flight Shut Down (IFSD). The MMCD inspection procedure is applicable to the suspect Lot B bearings and associated engines listed in Appendix 1.
- 4. Substantiation: Actions contained within this Service Bulletin have been substantiated through engineering analysis.
- 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

This NMSB introduces a 125 hour reduced inspection interval for the MMCD (Position 1). The MMCD should be inspected at an interval not to exceed 125 flight hours or until the suspect No. 3 bearing is replaced. After replacement of the bearing, the 125 hour reduced inspection interval is no longer required.

Compliance

Category 3

Accomplish this NMSB within 125 flight hours from release of this NMSB. IAE recommends this decreased inspection interval for the affected population in Appendix 1 until the bearing listed in the Appendix has been replaced during a shop visit.

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 holder has been informed of this inspection.

Manpower

In Service

To inspect the MMCD (Position 1) and further inspection if required.

March 22/16



	To close up	0.3 hours
	Total	0.8 hours
2.	At Overhaul	
		Not Applicable.

Weight and Balance

Weight Change

None.

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 — 72-32-24.
- 2. V2500 Aircraft Maintenance Manual.
- V2500 Service Bulletin V2500-ENG-72-0671 (Non-Modification Service Bulletin No. 3 Bearing — Reduced Master Magnetic Chip Detector Inspection Interval For Suspect Population (Lot A).

Other Publications Affected

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.

None.

Interchangeability of Parts

Not Applicable.



Information in the Appendix

Alternate Accomplishment Instructions (No)

Progression Charts (No)

Added Data (Yes)

Revision to Table of Limits (No)

Inspection Procedures (No)



Material Information

Material — Price and Availability

Not Applicable.

Industry Support Program

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.



Accomplishment Instructions

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.

Master MCD Inspection Procedure

- 1. Remove and examine the Master MCD (Position 1) for metallic debris as specified in Reference 2, Aircraft Maintenance Manual (AMM), TASK 79-00-00-200-014-A. See Figure 1.
- 2. Was metallic debris found?
 - A. If metallic debris was not found, return engine to service on an inspection interval not to exceed 125 hours.
 - B. If findings were detected during the MMCD inspection, determine what type of metallic debris was found using the AMM definitions and figures as specified in Reference 2, AMM, TASK 79-00-00-200-011-A.
 - (1) Was the metallic debris identified as chips?
 - (a) If yes, proceed to Step 3.
 - (2) Was the metallic debris identified as flakes?
 - (a) If yes, proceed to Step 4.
 - (3) Was the metallic debris identified as fines?
 - (a) If yes, proceed to Step 5.
- 3. Type of debris from MMCD inspection determined to be chips:
 - A. No chips are allowed. If chips are identified, the findings should be documented and the engine should be removed from service before the next flight.
- 4. Type of debris from MMCD inspection determined to be flakes:
 - A. Was a quantity of flakes found to be more than four?
 - (1) If yes, document the findings and remove the engine before the next flight.
 - (2) If no, collect the flakes and save for later analysis. Proceed to the following step.
 - B. Quantity of flakes found to be four or less:
 - (1) Remove the 1, 2, 3 MCD (Position 2) and inspect for debris. Proceed to the following step.
 - (a) Was any debris found during examination of the 1, 2, 3 MCD?
 - 1 If yes, document the findings and remove the engine before the next flight.

March 22/16



- 2 If no, proceed to next step.
- (2) Remove all remaining MCD's and inspect to the AMM as specified in Reference 2, AMM, TASK 79-00-00-200-011-A.
 - (a) Were there any findings on the remaining MCD's that required engine removal per the AMM as specified in Reference 2 AMM, TASK 79-00-00-200-011-A?
 - 1 If yes, document the findings and remove the engine before the next flight.
 - 2 If no, proceed to Step 4.C.
- C. Examine the scavenge oil filter and housing for debris contamination as specified in Reference 2, AMM, TASK 79-00-00-200-012-A. See Figure 2.
 - (1) Was any debris found during examination of the scavenge oil filter and housing?
 - (a) If yes, determine what type of debris was found using AMM definitions and figures as specified in Reference 2, AMM, TASK 79-00-00-200-011-A. Proceed to Step 4.C.(2) for chips and/or flake findings and Step 4.C.(3) for metallic fines findings.
 - (b) If no, return the engine to service on an inspection interval not more than 125 hours.
 - (2) Chips or flakes found during examination of the scavenge oil filter and housing:
 - (a) Document the findings and remove the engine before the next flight.
 - (3) Metallic fines found during examination of the scavenge oil filter and housing:
 - (a) Collect the debris, measure the amount of findings, then analyze the composition of the debris on the plugs and filters. While waiting on debris analysis to be completed, clean MCDs, filter, and filter housing, re-install, then return the engine to service for up to 25 flight hours. Proceed to the following step in addition to putting the engine on a 25 flight hour interval.
 - (4) Debris analysis completed from the previous step:
 - (a) Debris analysis confirmed M50 material:
 - 1 Document the findings and remove the engine before the next flight.
 - (b) Debris analysis confirmed fines as bronze or aluminum:
 - 1 Return the engine to service on an inspection interval not to exceed 125 hours.
 - (c) Debris analysis confirmed fines as light alloy or silver:
 - Measure the amount of light alloy/silver fines and proceed to the following step.
 - <u>a</u> Do the light alloy/silver fines fill an area larger than 0.25 sq in (161.3 sq mm)
 - (1) If yes, document the findings and remove the engine before the next flight.
 - (2) If no, return the engine to service on an inspection interval not to exceed 125 hours.

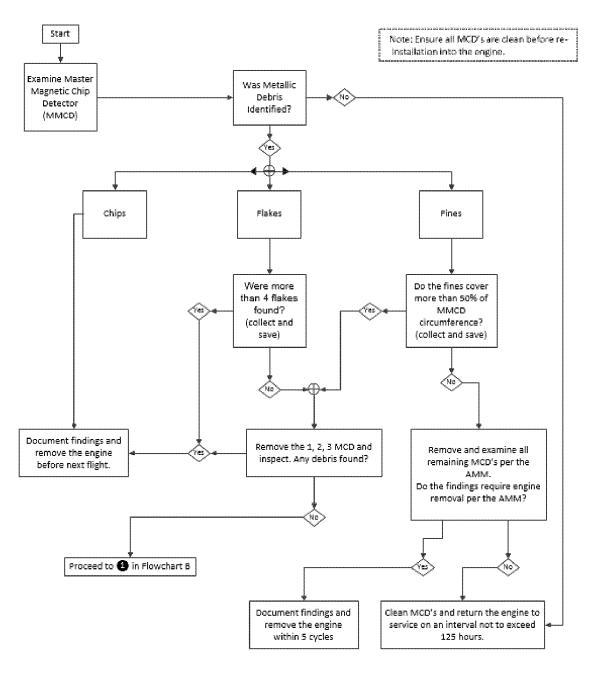
March 22/16



- 5. Type of debris from MMCD inspection determined to be fines:
 - A. Do the fines found during the MMCD inspection cover more than 50% of MMCD circumference? (Use Figure 79(IAE)-00-00-991-15200-A, Sheet 1. Refer to Reference 2, AMM, TASK 79-00-00-200-011-A).
 - (1) If yes, proceed to Step 5.B.
 - (2) If no, collect the debris and save for later analysis, then remove and examine all MCD's per the AMM and proceed to the following step as specified in Reference 2, AMM, TASK 79-00-00-200-011-A.
 - (a) Does inspection of the remaining MCD's require engine removal per the AMM as specified in Reference 2 AMM, TASK 79-00-00-200-011-A?
 - 1 If yes, document the findings and remove the engine within five engine cycles.
 - If no, clean MCD's and return the engine to service on an inspection interval not to exceed 125 hours.
 - B. The fines on the MMCD cover more than 50% of MMCD circumference:
 - (1) Collect the debris and save for later analysis. Then remove the 1, 2, 3 MCD (Position 2) and inspect for debris.
 - (a) Was any debris found during inspection of the 1, 2, 3 MCD?
 - 1 If yes, document the findings and remove the engine before the next flight.
 - 2 If no, proceed to the following step.
- 6. Remove and examine all remaining MCD's and inspect to the AMM as specified in Reference 2. AMM. Task 79-00-00-200-011-A.
 - A. Were there any findings on the remaining MCD's that required engine removal per the AMM?
 - (1) If yes, document the findings and remove the engine before the next flight.
 - (2) If no, proceed to Step 4.C.



Flow Chart A V2500-A5 MMCD

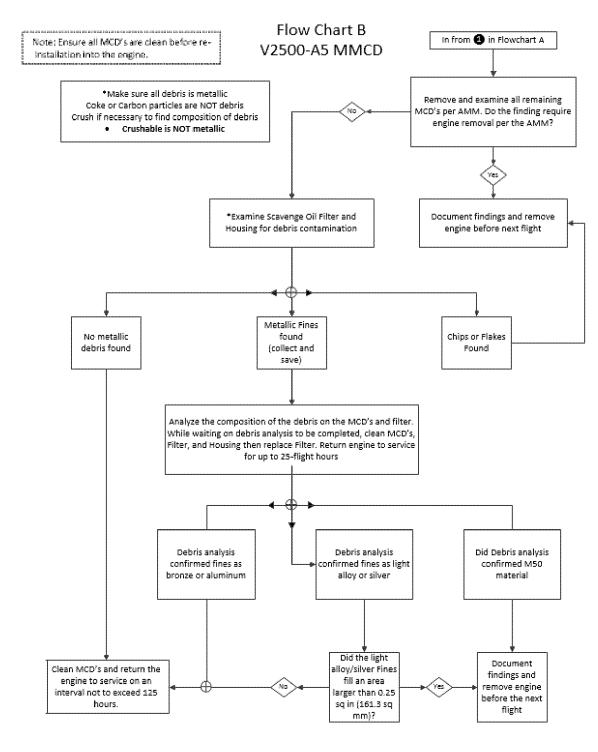


B526074

FLOW CHART A FIGURE 1

March 22/16





B526075

FLOW CHART B FIGURE 2

March 22/16



Appendix

Added Data

Internal Reference Information

Revision No.	Reference Document	Origination	
Original	EA16VC101	DM/IEL	

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

Appendix A

Table 1 — Lot B — Bearing, PN 2A4170

ESN	Serial Number	ESN	Serial Number	ESN	Serial Number
V10368	PCWKAK1865	V16664	PCWKAK1161	V16755	PCWKAK1421
V10520	PCWKAK5499	V16665	PCWKAK1162	V16756	PCWKAK1422
V10743	PCWKAK5888	V16666	PCWKAK1163	V16757	PCWKAK1423
V10846	PCWKAK1428	V16667	PCWKAK1166	V16759	PCWKAK1425
V11095	PCWKAK5889	V16668	PCWKAK1167	V16767	PCWKAK1406
V11379	PCWKAK1819	V16669	PCWKAK1168	V16791	PCWKAK1764
V11412	PCWKAK0091	V16670	PCWKAK1169	V16792	PCWKAK1771
V11818	PCWKAK5506	V16671	PCWKAK1170	V16793	PCWKAK1756
V12180	PCWKAK1105	V16672	PCWKAK1171	V16795	PCWKAK1765
V12693	PCWKAK5531	V16674	PCWKAK1180	V16799	PCWKAK1773
V12750	PCWKAK5505	V16675	PCWKAK1165	V16807	PCWKAK1767
V15020	PCWKAK1106	V16676	PCWKAK1181	V16808	PCWKAK1768
V16600	PCWKAK1117	V16677	PCWKAK1182	V16809	PCWKAK1769
V16606	PCWKAK0100	V16678	PCWKAK1183	V16810	PCWKAK1770
V16608	PCWKAK0093	V16683	PCWKAK1164	V16822	PCWKAK1766
V16609	PCWKAK0096	V16684	PCWKAK1172	V16823	PCWKAK1772
V16610	PCWKAK0098	V16685	PCWKAK1173	V16829	PCWKAK1818
V16611	PCWKAK1116	V16686	PCWKAK1174	V16848	PCWKAK1424
V16612	PCWKAK0099	V16687	PCWKAK1175	V16850	PCWKAK1830
V16613	PCWKAK0092	V16688	PCWKAK1178	V16854	PCWKAK1832
V16614	PCWKAK1118	V16697	PCWKAK1176	V16858	PCWKAK1828
V16615	PCWKAK1113	V16698	PCWKAK1177	V16864	PCWKAK1829

March 22/16



ESN	Serial Number	ESN	Serial Number	ESN	Serial Number
V16616	PCWKAK1107	V16699	PCWKAK1179	V16866	PCWKAK1869
V16617	PCWKAK0088	V16712	PCWKAK1405	V16867	PCWKAK1870
V16619	PCWKAK1108	V16713	PCWKAK1407	V16868	PCWKAK1878
V16620	PCWKAK1114	V16715	PCWKAK1410	V16869	PCWKAK1868
V16621	PCWKAK0094	V16716	PCWKAK1411	V16870	PCWKAK1877
V16623	PCWKAK0095	V16717	PCWKAK1412	V16871	PCWKAK1873
V16624	PCWKAK0087	V16718	PCWKAK1414	V16872	PCWKAK1875
V16625	PCWKAK0097	V16719	PCWKAK1415	V16873	PCWKAK1831
V16626	PCWKAK1110	V16720	PCWKAK1419	V16875	PCWKAK1879
V16627	PCWKAK1112	V16721	PCWKAK1426	V16876	PCWKAK1867
V16628	PCWKAK1115	V16731	PCWKAK1416	V16881	PCWKAK1866
V16645	PCWKAK1111	V16735	PCWKAK1109	V16882	PCWKAK1874
V16650	PCWKAK0089	V16750	PCWKAK1413	V16883	PCWKAK1871
V16651	PCWKAK0090	V16752	PCWKAK1417	V16885	PCWKAK1872
V16662	PCWKAK1159	V16753	PCWKAK1418	V16886	PCWKAK1876
V16663	PCWKAK1160	V16754	PCWKAK1420	V16910	PCWKAK1409

Table 2 — Lot B — Bearing, PN 2A4170

Carial Number				
Serial Number	ESN	Serial Number	ESN	Serial Number
PCWKAK5472	V17451	PCWKAK5485	V17486	PCWKAK5511
PCWKAK5473	V17452	PCWKAK5500	V17487	PCWKAK5516
PCWKAK5474	V17453	PCWKAK5504	V17498	PCWKAK5520
PCWKAK5470	V17454	PCWKAK5502	V17501	PCWKAK5532
PCWKAK5483	V17456	PCWKAK5507	V17502	PCWKAK5890
PCWKAK5478	V17457	PCWKAK5498	V17508	PCWKAK5461
PCWKAK5484	V17458	PCWKAK5497	V17509	PCWKAK5464
PCWKAK5475	V17459	PCWKAK5508	V17510	PCWKAK5514
PCWKAK5476	V17460	PCWKAK5468	V17511	PCWKAK5513
PCWKAK5477	V17461	PCWKAK5467	V17512	PCWKAK5522
PCWKAK5503	V17464	PCWKAK5493	V17514	PCWKAK5525
PCWKAK5471	V17465	PCWKAK5509	V17590	PCWKAK6190
PCWKAK5460	V17470	PCWKAK5462	V17593	PCWKAK5937
PCWKAK5469	V17472	PCWKAK5465	V17601	PCWKAK5930
F F F	PCWKAK5472 PCWKAK5474 PCWKAK5470 PCWKAK5483 PCWKAK5484 PCWKAK5478 PCWKAK5475 PCWKAK5476 PCWKAK5477 PCWKAK5471 PCWKAK5471	PCWKAK5472 V17451 PCWKAK5473 V17452 PCWKAK5474 V17453 PCWKAK5470 V17454 PCWKAK5483 V17456 PCWKAK5484 V17457 PCWKAK5484 V17458 PCWKAK5475 V17459 PCWKAK5476 V17460 PCWKAK5477 V17461 PCWKAK5477 V17461 PCWKAK5471 V17465 PCWKAK5471 V17470	PCWKAK5472 V17451 PCWKAK5485 PCWKAK5473 V17452 PCWKAK5500 PCWKAK5474 V17453 PCWKAK5504 PCWKAK5470 V17454 PCWKAK5502 PCWKAK5483 V17456 PCWKAK5507 PCWKAK5478 V17457 PCWKAK5498 PCWKAK5478 V17458 PCWKAK5497 PCWKAK5475 V17459 PCWKAK5497 PCWKAK5476 V17460 PCWKAK5468 PCWKAK5477 V17461 PCWKAK5467 PCWKAK5477 V17461 PCWKAK5493 PCWKAK5471 V17465 PCWKAK5509 PCWKAK5460 V17470 PCWKAK5462	PCWKAK5472 V17451 PCWKAK5485 V17486 PCWKAK5473 V17452 PCWKAK5500 V17487 PCWKAK5474 V17453 PCWKAK5504 V17498 PCWKAK5470 V17454 PCWKAK5502 V17501 PCWKAK5483 V17456 PCWKAK5507 V17502 PCWKAK5478 V17457 PCWKAK5498 V17508 PCWKAK5484 V17458 PCWKAK5497 V17509 PCWKAK5475 V17459 PCWKAK5508 V17510 PCWKAK5476 V17460 PCWKAK5468 V17511 PCWKAK5477 V17461 PCWKAK5467 V17512 PCWKAK5471 V17464 PCWKAK5493 V17514 PCWKAK5471 V17465 PCWKAK5509 V17590 PCWKAK5460 V17470 PCWKAK5462 V17593

March 22/16



ESN	Serial Number	ESN	Serial Number	ESN	Serial Number
V17437	PCWKAK5490	V17473	PCWKAK5528	V17618	PCWKAK6195
V17440	PCWKAK5496	V17474	PCWKAK5521	V17622	PCWKAK6187
V17441	PCWKAK5491	V17475	PCWKAK5530	V17623	PCWKAK6189
V17442	PCWKAK5495	V17476	PCWKAK5529	V17624	PCWKAK6188
V17443	PCWKAK5492	V17477	PCWKAK5512	V17625	PCWKAK5936
V17444	PCWKAK5488	V17478	PCWKAK5518	V17627	PCWKAK6193
V17445	PCWKAK5494	V17479	PCWKAK5515	V17628	PCWKAK6192
V17446	PCWKAK5489	V17480	PCWKAK5527	V17629	PCWKAK6191
V17447	PCWKAK5486	V17481	PCWKAK5524	V17630	PCWKAK6194
V17448	PCWKAK5487	V17482	PCWKAK5510	V17771	PCWKAK5463
V17449	PCWKAK5501	V17483	PCWKAK5519		
V17450	PCWKAK5466	V17484	PCWKAK5517		

Table 3 — Lot B — Bearing, PN 2A3851

FON	0 : 1 1 1	EON	0 : 111 1	EON	0 : 111 1
ESN	Serial Number	ESN	Serial Number	ESN	Serial Number
V10399	PCWKAK0145	V16594	PCWKAJ9612	V16890	PCWKAK0157
V10617	PCWKAK0143	V16595	PCWKAJ9613	V16891	PCWKAK0142
V11183	PCWKAK0148	V16597	PCWKAJ9609	V16895	PCWKAK0153
V11287	PCWKAK0147	V16598	PCWKAJ9611	V16896	PCWKAK0155
V11380	PCWKAK0149	V16656	PCWKAJ9608	V16897	PCWKAK0156
V11710	PCWKAK0162	V16657	PCWKAJ9607	V16898	PCWKAK0160
V11740	PCWKAK0146	V16658	PCWKAJ9617	V16899	PCWKAK0158
V11796	PCWKAK0163	V16659	PCWKAJ9616	V16900	PCWKAK0151
V12455	PCWKAK0144	V16660	PCWKAJ9615	V16901	PCWKAK0150
V16581	PCWKAK0104	V16661	PCWKAJ9618	V16902	PCWKAK0159
V16582	PCWKAK0106	V16739	PCWKAJ9605	V16903	PCWKAK0152
V16584	PCWKAK0103	V16740	PCWKAJ9599	V16905	PCWKAK0161
V16585	PCWKAJ9620	V16741	PCWKAJ9606	V17081	PCWKAK2632
V16586	PCWKAK0101	V16742	PCWKAJ9600	V17082	PCWKAK2633
V16587	PCWKAK0105	V16744	PCWKAJ9598	V17090	PCWKAK2630
V16588	PCWKAK0102	V16745	PCWKAJ9601	V17092	PCWKAK2629
V16589	PCWKAJ9619	V16746	PCWKAJ9602	V17108	PCWKAK2628



ESN	Serial Number	ESN	Serial Number	ESN	Serial Number
V16592	PCWKAJ9614	V16800	PCWKAJ9603	V17110	PCWKAK2631
V16593	PCWKAJ9610	V16801	PCWKAJ9604		