

## 400600-0000 OVERHAUL MANUAL - AIRCRAFT TURBOCHARGER REV. A NOW AVAILABLE

### INTRODUCTION:

An update and revision of the Aircraft Turbocharger, Overhaul Manual P/N 400600-0000 has been completed and is now available for insertion into your current manual. This revision incorporates many changes and additions both substantial and minor throughout the manual including a better definition of component TBO. Any current owner of a P/N 400600-0000 Overhaul Manual with valid serial number may purchase this revision. For details see the latest revision of Service Letter #024 which fully describes the KAES revision service process.

This Service Information Letter announces the availability of Rev. A of the P/N 400600-0000 Overhaul Manual for Aircraft Turbocharger and serves to notify users of this manual of the current revision status..

### COMPLIANCE:

Insert revision A immediately upon receipt.

### EFFECTIVITY:

All P/N 400600-0000 Overhaul Manuals with valid serial numbers.

### PROCEDURE:

1. Determine the serial number of the manual in your possession. This may be found on the Registration page which is the first page of the manual. (serial numbers appear as 400600-0000- ...)
2. The manual revision may be ordered direct. Fax the completed form on page 5 of this SIL to Kelly Aerospace Energy Systems Customer Service (334) 386-5450.
3. Summary of information in this revision is shown on page 2, 3, and 4.
4. Upon receipt of revision A, remove pages to be revised, discard and insert new pages. Black bars on the edge of the revised page indicate the area of revision. Black bars adjacent to the page number indicate new page or a majority change to that page. Because the Title page is being changed and for future reference, make sure that the manual serial number is recorded on the Registration page and at the top of page iii.

### PARTS AVAILABILITY:

This revision may be ordered and purchased directly from KAES, *call for price quote*.

### WARRANTY STATEMENT:

There is no warranty associated with this service publication or affected manual. Revision A must be purchased. This is regardless of when the original manual was purchased.

*For questions concerning this instruction please contact KAES, Service Dept. at (888) 461-6077.*

## Summary of Revision A:

Rev. A	i	2/27/09	Modified address
	ii		Update copyright
	iii		Added revision info., added manual alternate S/N location
	iv		Changed nomenclature, added warranty statement.
	v		Changed address
	vi		Added Rev. A info.
viii-a & viii-b			Added Log of Revision pages
viii-c & viii-d			Added list of effective pages
<b>400 Series</b>			<i>(Logo change all revised pages)</i>
	ix		Revised TOC
1-10-01			Revised TOC
1-30-01			Changed address
1-40-01			Revised Note & data tag para.
1-50-01			Revised Note
1-70-01			Add page with Rev info.
1-80-01			Add blank page
2-10-01			Revised Chpt 2 TOC
2-70-01			Revised Data Tag para.
2-90-01			Revised General para.
2-110-01			Revised Pre-lube (A), warning note, & Mounting T/C (A)
2-120-01			Revised Mounting T/C (D), add caution note
2-130-01			Revised Pre-lube (B)
2-140-01			Revised Pre-lube (F) & S.O.P. (A)
2-170-01			Revised General, last para.
2-190-01			Revised Visual Insp. (F)
2-220-01			Added Storage & Shelf Life
2-380-01			Revised (F) turbine wheel
2-390-01			Revised (G) wheel shroud, revised Table 2.9, added (5) backplate info.
2-420-01			Added Fig. 2.23A
2-430-01			Revised (E) clamps
2-440-01			Revised (J) turbine wheel, (K) wheel shroud
2-450-01			Removed Fig. 2.24 (7) circle, added circle (12), added info.
2-470-01			Removed clamp, Table 2.11
2-510-01			Revised Reass'y (Q) 2
2-540-01			Removed Fig. 2.27 (6) circle, added circle (12), added info.
2-550-01			Revised (I) turbine wheel, (J) wheel shroud
2-560-01			Removed clamp, added T wheel Table 2.12
2-630-01			Revised (E) clamps
2-640-01			Revised (I) turbine wheel, (J) wheel shroud
2-650-01			Removed Fig. 2.30 (6) circle, added circle (12), added info.
2-670-01			Removed Fig. 2.31 (10) circle, added circle (15), added info.
2-680-01			Corrected Insp/Rpl (D), Revised (I) turbine wheel, (J) wheel shroud
2-690-01			Corrected Table 2.15 header, removed clamp
2-700-01			Added (*) B, C, D, Table 2.17
2-830-01			Added info. (D)

## Summary of Revision A:

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(cont'd)

### **400 Series**

2-840-01	Fig. 2.35 added circle (14) turbine wheel, added info.
2-850-01	Revised (I) turbine wheel, (O, 1) wheel shroud
2-870-01	Added (*) B, C, Table 2.19
2-880-01	Added T wheel to Table 2.20
2-950-01	Revised (D) clamps
2-960-01	Removed Fig. 2.39 (8) circle, added circle (13), added info.
2-970-01	Revised (H) turbine wheel, (I) wheel shroud
2-980-01	Added (*) B, C, D, Table 2.21
2-990-01	Removed clamp, added T wheel Table 2.22.
2-1050-01	Revised (E) clamps
2-1060-01	Removed Fig. 2.42 (10) circle, added circle (15), added info.
2-1070-01	Revised (I) turbine wheel, (J) wheel shroud,
2-1090-01	Added (*) B, C, D, Table 2.23, added T wheel to Table 2.24
2-1150-01	Revised (D) turbine wheel, (E) turbine housing,
2-1160-01	Removed Fig. 2.46 (6) circle, added circle (11), added info.
2-1170-01	Revised (H) turbine wheel, (I) wheel shroud
2-1180-01	Added T wheel, removed clamp Table 2.25, added (*) B, C, D, Table 2.26
3-310-01	Corrected numbering error
3-330-01	Revised (A)
4-40-01	Revised pre-lube
4-50-01	Revised TBO def.
5-30-01	Changed address
5-220-01	Removed Fig 5.2 illustration, circle (7) removed, added circle (12)
5-240-01	Removed Fig 5.3 illustration, circle (7) removed, added circle (12)
5-260-01	Modified Fig 5.4 illustration, circle (7) removed, added circle (12)
5-280-01	Fig 5.5 circle (7) removed, added circle (12)
5-300-01	Removed Fig 5.6 illustration & (7) circle, added circle (12)
5-320-01	Fig 5.7 circle (6) removed, added circle (12)
5-340-01	Fig 5.8 circle (6) removed, added circle (12)
5-360-01	Fig 5.9 circle (6) removed, added circle (12)
5-380-01	Fig 5.10 circle (6) removed, added circle (11)
5-400-01	5.11 circle (10) removed, added circle (15)
5-420-01	Fig 5.12 circle (10) removed, added circle (15)

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### **400 Series**

5-440-01 Fig 5.13 circle (10) removed,  
added circle (15)  
5-460-01 Fig 5.14 circle (10) removed,  
added circle (15)  
5-480-01 Fig 5.15 circle (10) removed,  
added circle (15)  
5-500-01 Fig 5.16 circle (6) removed,  
added circle (11)  
5-520-01 Fig 5.17 added circle (14)  
5-540-01 Fig 5.18 added circle (14)  
5-560-01 Fig 5.19 circle (8) removed,  
added circle (13)  
5-580-01 Fig 5.20 circle (10) removed,  
added circle (15)  
5-600-01 Fig 5.21 circle (10) removed,  
added circle (15)  
5-620-01 Fig 5.22 circle (6) removed,  
added circle (11)

### **600 Series**

i  
1-10-01 Revised Chpt 1 TOC  
1-30-01 Changed address, revised Note  
1-40-01 Revised Data Tag para. added  
TBO statement, moved Design  
info to page 1-50-01  
1-50-01 Adjust page for moved data  
1-60-01 Add circle (4)  
1-70-01 Modified para.  
1-80-01 Revised pre-lube definition  
1-90-01 Revised TBO definition  
1-100-01 Added Storage & Shelf Life  
2-40-01 Revised Disass'y (E),  
cleaning (B)  
2-50-01 Revised Inspection (C)  
2-70-01 Revised Table 2.1 (4)  
2-90-01 Revised T Wheel para.  
5-520-01 Fig 5.17 added circle (14)  
2-130-01 Revised checklist (4)  
3-80-01 Revised (A), corrected page  
format error  
4-30-01 Make mandatory (3) & (8)  
4-50-01 Make mandatory (3) & (8)  
4-70-01 Make mandatory (3) & (8)  
4-90-01 Make mandatory (3) & (8)  
4-110-01 Make mandatory (3) & (8)  
4-130-01 Make mandatory (3) & (8)  
4-150-01 Make mandatory (3) & (8)  
4-170-01 Make mandatory (3) & (8)  
4-190-01 Make mandatory (3) & (8)  
5-30-01 Revised pre-lube (A)  
5-50-01 Corrected numbering error  
5-70-01 Revised pre-lube (A)  
6-30-01 Revised SL statements  
6-50-01 Revised step 6  
6-70-01 Revised View 1 & 2  
6-80-01 Revised View 3  
6-80-01 Added View 4

**400600-0000 Turbocharger  
Overhaul Manual Rev. A**



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