

ERICKSON AIR-CRANE
FAA REPAIR STATION JYDR438F
COMPONENT LOG CARD

NOMENCLATURE: E Main Gear Box Assy

PART NO: 6435-20400-065

SERIAL NO: A6-019

INSTALLED ON	INSTALL DATE	REMOVAL DATE	TOTAL TIME OF AIRCRAFT	COMPONENT TIME		REASON FOR REMOVAL/ COMMENTS
				TOTAL TIME	TIME SINCE OVERHAUL	
30 July 2021				N/A	0.0	65
N194AK	30 July 2021		19638.8	N/A	0.0	REMOVE AT AFTY 20923.2 For MINI O/H

MINI OVERHAUL INTERVAL: 1300.0
 OVERHAUL INTERVAL: 2800.0
 RETIREMENT TIME: See page 3

Case E 1/9/12

ERICKSON AIR-CRANE

FAA REPAIR STATION JYDR439F

ASSOCIATED LIFE LIMITED EQUIPMENT TO MAJOR COMPONENT

1. MAJOR COMPONENT NOMENCLATURE			2. PART NUMBER		3. SERIAL NUMBER			
E Main Gear Box Assy			6435-20400-065		A6-019			
PART NAME A.	PART NUMBER B.	SERIAL NUMBER C.	TOTAL TIME @ INSTALL ON ITEM SHOWN IN BLOCK 1	TOTAL TIME @ REMOVAL ON ITEM SHOWN IN BLOCK 1	TT ON LIFE LIMITED ITEMS SHOWN IN COLUMN A			REASON FOR REMOVAL/COMMENTS
					TOTAL TIME @ INSTALL	TOTAL TIME REM. @ INSTALL	TOTAL TIME @ REMOVAL	
SHAFT- E MGB	6435-20078-105	EAC20374	N/A		1289.4	3710.6		
PLATE ASSY 2ND STAGE	6435-20231-017	EAC31779	N/A		NEW	2600.0		

Equipment id: 6435-20400-065-A6-019

Customer Equipment Number :
Equipment description : E MGB ASSY
Equipment Type ID : 6435-20400-065-1
Description :

Equipment serial number : A6-019
Item number :
Supplier :
Owner organization code :

Physical location :
Allocated organization code :
Fixed asset number :
Commission date : 8/22/2019

Owner employee :
Maintenance policy :
Maintenance policy version :
Ownership type : Owner

Structure position	Equipment Type	Equipment description	UOM	TSN/TSO	CSN	DSN	Life limit	OverHaul Limit	Cycle Life		Retire Time Remain	OVH Time Remain	Retire Cycle	
									Limit	Days Limit			Remain	Days Remain
0	6435-20400-065-A6-019	E MGB ASSY	HR	0.0	0	0	0.0	2,800.0	0	0	0.0	2,800.0	0	0
0	6435-20400-065-A6-019	E MGB ASSY	MNI	0.0	0	0	0.0	1,300.0	0	0	0.0	1,300.0	0	0
0	6435-20400-065-A6-019	E MGB ASSY	TQ	0.0	0	0	0.0	0.0	0	0	0.0	0.0	0	0
E632004	6435-20231-017-EAC31779	PLATE ASSY 2ND STAGE	HR	0.0	0	0	2,800.0	0.0	0	0	2,800.0	0.0	0	0
E632006	6435-20078-105-EAC20374	SHAFT- E MGB	HR	1,288.4	0	0	5,000.0	0.0	0	0	3,710.6	0.0	0	0

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				3. Form Tracking Number: 165072-1			
4. Organization Name and Address: Erickson Air-Crane 3100 Willow Springs Road PO Box 3247 Central Point, OR 97502					Repair Station JYDR439F			5. Work Order/Contract/Invoice Number: 165072	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:				
1	E MGB ASSEMBLY	6435-20400-065	1	A6-019	OVERHAULED				
12. Remarks: OVERHAULED, REFERENCE OVERHAUL MANUAL EAC049 REVISION 2 DATED 07/30/12. FULL LOAD TEST COMPLIED WITH, REFERENCE ATP # E23501 REVISION E DATED 01/08/12. T.S.O. 0.0 HOURS. REMOVE MAIN GEARBOX FROM SERVICE AT A T.S.O. OF 1300.0 HOURS FOR MINI OVERHAUL. A complete description of work performed is on file at the above referenced organization under the work order and system tracking reference number indicated in blocks 3 and 5. NOTICE: An Airworthiness Directive may apply to the article(s) described hereon. The installer is responsible for ensuring complete compliance with any applicable Airworthiness Directives.									
13a. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.					14a. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.				
13b. Authorized Signature:			13c. Approval/Authorization No.:		14b. Authorized Signature: <i>Mike Terry</i>			14c. Approval/Certificate No.: JYDR439F	
13d. Name (Typed or Printed):			13e. Date (dd/mm/yyyy):		14d. Name (Typed or Printed): <i>MIKE TERRY</i>			14e. Date (dd/mm/yyyy): <i>15/JUL/2020</i>	
User/Installer Responsibilities									
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.									

ERICKSON AIR-CRANE
FAA REPAIR STATION JYDR439F

SERVICE BULLETINS
MAIN GEARBOX
S-64E
6435-20400 Series

MGB Data

W/O 165072

S/N AG-019

P/N 6435-20400-065

T.S.O. 0.0

Notes:

1. New original copy must be completed during overhaul.
2. A previous completed SB sheet is acceptable on scheduled maintenance or repair work orders. It must be reviewed and updated if an additional SB has been accomplished since last overhaul.

SERVICE BULLETIN	P/N	SUBJECT	MANDATORY	NON-MANDATORY
64B35-7 Rev. D	6435-20229-102 6435-20229-104	This Service Bulletin has been Rescinded, reference S64B, General -1, latest revision for Retirement Time for the Subject Parts		
64B35-8A Rev. A	6435-20048-100 6435-20046-101 6435-20046-102	Input Bevel Gear, Input Bevel Shaft, Rework or Replacement of	C/W BY ALT. MET. REQ. ORZ 6435-E-53B REV E.	
64B35-9A Rev. A	6435-20026-012	Support and Stud Assembly; Inspection/Rework of	N/A BY PIN-015 SUPPORT INST.	
64B65-2 Rev. IR	6435-20400	Servo Bracket Modification and Servo Pin Retention Hardware, Inspection of?	N/A SERVO BRACKETS NOT INSTALLED	
64B65-10 Rev. IR	6435-20017	Hydraulic System, Flight Controls, Lubrication/Inspection of Main Rotor Servo and Control Installation. Incorporation of Improved Pin Retention	PARTS I (III TO BE C/W ON A/C LARGER STD C/W ON MGB ASSY -05B AND ABOVE	

Foot Notes:

1. P/CW - This entry indicates that the S/B was visually verified to be complied with on a previous repair or overhaul.
2. C/W - This entry indicates that the S/B was performed at the time since overhaul noted above and date noted below.
3. N/A - This entry indicates that the S/B does not apply (reason to be stated).

MECHANIC Ronald M. Lewis DATE 07/13/2020
INSPECTOR [Signature] DATE JUL 13 2020

ERICKSON INCORPORATED FAA REPAIR STATION JYDR439F
AD COMPLIANCE RECORD
S-64E MODEL

E MAIN GEARBOX
P/N:6435-20400-065

S/N: A6-019

DATE: JUL 13 2020 W/O 165072
T.S.O. O.O

AD No. Rev. Date	Subject	Models Applicable	Compliance Date	Status Method of Compliance	Work Order AD Completed on	P/C Compliance	Interval	Next Due
2013-20-15 12/05/13	Perform a MPI on each Second Stage Planetary Plate Assembly P/N 6435-20231-016, -017 for cracks, I/A/W para. f(5).	S-64E		N/A NEW PLATE A/W			Within 150 hrs TIS or before reaching 1450 hrs TIS, whichever occurs later.	PLATE T.T. 1450. HRS
	Perform a MPI on each M/R Shaft P/N 6435-20078-104 for cracks, paying particular attention to the lower spline area, I/A/W para. f(6).	S-64E		N/A BY A/W	PIN		Within 150 hrs TIS or before reaching 1450 hrs TIS, whichever occurs later, and thereafter at intervals not to exceed 650 hrs TIS.	
	Perform a MPI on each M/R Shaft P/N 6435-20078-105 for cracks, paying particular attention to the lower spline area, I/A/W para. f(7).	S-64E	10/2/19	MPI	168246	MRS T.T 1289.4	Within 150 hrs TIS or before reaching 1450 hrs TIS, whichever occurs later.	MRS T.T 2739.4
	Perform a MPI on each M/R Shaft P/N 6435-20078-014, -015, -016 for cracks, paying particular attention to the rotating swashplate spherical bearing ball travel area, which is located approximately ten inches above the upper roller bearing journal shoulder, I/A/W para. f(9).	S-64E	10/2/19	MRT	168246	MRS T.T 1289.4	At each overhaul of Main Gearbox Assembly P/N 6435-20400-053, -054, -058, -060, -062, -063, -064, -065, or -066.	MRS T.T. 2589.4

NOTE: AD 97-19-10 has been superseded by AD 2013-20-15 effective 12/5/13.

MAINTENANCE Ronald White

INSPECTOR SIGNATURE [Signature]

Foot Notes for method of Compliance:

1. P/C/W - This entry indicates that the AD was visually verified to be complied with on a previous repair or overhaul.
2. C/W - This entry indicates that the AD was performed on this Main Gearbox at the total time and date noted above on the work order indicated on top of this page.
3. N/A - This entry indicates that the AD does not apply to this Main Gearbox (reason to be stated).

Parts Removed / Installed

Part Number	Nomenclature	S/N	T.S.N.	T.S.O.	Off/On	ACT.T.
6435-20400-065	MGB	62-005	UNK	2571.1	OFF	19638.8
6435-20400-065	MGB	AV-019	UNK	0.0	ON	19638.8
1510-21058-001	SPLIT CONE, UPPER	EAC 31915A+B	110.7	N/A	OFF	19638.8
1510-21058-001	SPLIT CONE, UPPER	EAC 31923A+B	0.0	N/A	ON	19638.8
1510-21059-0	SPLIT CONE, LOWER	EAC 32385 A+B	110.7	N/A	OFF	19638.8
1510-21059-0	SPLIT CONE, LOWER	EAC 31876A+B	0.0	N/A	ON	19638.8

Maintenance Actions

No.	Aircraft Discrepancies	Initials	No.	Action Taken	Initials
1	MGB REQ REPLACEMENT. DUE O/H	DS	1	REPLACED MGB REF EAC OUT # 6.13.14 + 6.13.19. UPPER AND LOWER SPLIT CONES REPLACED REF EAC OUT # 5.1.12	DS
2	N' GUN REQ REMOVAL TO F.O.M.	DS	2	N' GUN DISCONNECTED REF EAC OUT # 4.52.1 AND RECONNECTED REF EAC OUT # 4.52.2	DS
3	DUAL CHECK REQUIRED FOR MAINT PERFORMED	DS	3	DUAL CHECK FOR SYSTEMS: MRH, MRB'S, PRIMARY SCVOS, HIGH SPEED SHAFT, N' GUN, ROTOR BRAKE, APP DRIVE SHAFT, TRDS No. 1, APP CLUTCH NAME: DATE: 30 JULY 2021 NAME: <u> </u> DATE: 30 JULY 2021	
4	MGB POST MAINT CHECK REQ	DS	4	OPERATIONAL CHECK CANNOT BE COMPLETED AT THIS TIME. SEE CARRY OVER MAINT	DS

AD/SB/Inspection	Rev Date	Compliance Method	Results	ACTT	ACTT/Date Next Due	Signature & Cert Number
AD2013-23-07	30 Oct 13	SEC E3 & F4	GOOD	19638.8	19641.8	 DS, JYDR439F
MIS 1-5	1 SEPT 20	SEC 2A & 2D	GOOD	19638.8	DAILY	 DS, JYDR439F
SR64885-7	14 AUG 17	SEC 2B	GOOD	19638.8	DAILY	 DS, JYDR439F
FIRE TANK CK	9 NOV 20	FAC 009 PA4.3.1	GOOD	19638.8	DAILY	 DS, JYDR439F
SESSORIE CK	1 FEB 18	EAC 012 PA4.3.1	GOOD	19638.8	DAILY	 DS, JYDR439F

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AUG 02 2021

ERICKSON AIR CRANE

Aircraft Daily Totals / Inspection Schedule

Page 1 of 2

AC Model	N-Number	AC S/N	L Engine S/N	R Engine S/N	Location Name	Date
S64E	N741AC	64017	672456	638214	ELEPSINA GREECE	30 JULY 2021
Total Time	Aircraft	Cycles	Parts Due Off <200 Hrs		Due @ AC T.T.	
Lift Off	19638.8	13290	MGB		19667.7	
Today	0.0	0				
Shut Down	19638.8	13290				
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.			Next Phase Due: 19653.7		Phase # 5 III	
			Aircraft has been pre-flighted and/or test flown and is returned to service.			
Mechanic Signature		Repair Station # JYDR439F	Pilot (Signature and Certificate No.) <u> </u> 31K82C			

Parts Removed / Installed

Part Number	Nomenclature	S/N	T.S.N.	T.S.O.	Off/On	ACT.T.

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AUG 02 2021

ERICKSON AIR CRANE

Maintenance Actions

No.	Aircraft Discrepancies	Initials	No.	Action Taken	Initials
5	SENO PIN DIM INSPECTION REQ	DS	5	SENO PIN DIM INSPECTION 96 REF SB 64815-10 REV 12 8 FEB 77 F/A-PIN: .873, BUSHING ID: .877, YOKE: 1.404 A/L-PIN: .874, BUSHING ID: .871, YOKE: 1.407 U/L-PIN: .874, BUSHING ID: .874, YOKE: 1.406	DS

AD/SB/Inspection	Rev Date	Compliance Method	Results	ACTT	ACTT/Date Next Due	Signature & Cert Number

Aircraft Daily Totals / Inspection Schedule Page 2 of 2

A/C Model	N- Number	A/C S/N	L Engine S/N	R Engine S/N	Location Name	Date
S64E	N194AC	64017	672456	638214	ELERSINA, GREECE	30 July 2021
Total Time		Aircraft	Cycles	Parts Due Off <200 Hrs		Due @ A/C T.T.
Lift Off		19638.8	13290	MGB		19667.7
Today		0.0	0			
Shut Down		19638.8	13290			
The aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service.				Next Phase Due: 19653.7		Phase # 5TV
				Aircraft has been pre-flighted and/or test flown and is returned to service.		
Mechanic Signature		Repair Station # JYDR439F		Pilot (Signature and Certificate No.)		