

DELIVERY NOTE WP



DELIVER TO :

GALAXY AEROSPACE (M) SDN. BHD.
 CAMO DEPARTMENT
 Lot 11, MRO Centre,
 Malaysia International Aerospace Centre,
 Sultan Abdul Aziz Shah Airport,
 47200 Subang, Selangor
 Malaysia.
 Attn : Zaty Nadhira binti Mohamed Zuhari

DN NUMBER : GAM/DN/22/PME-120
OUR REFERENCE : 9M-PME-10584
WO REFERENCE : 2022-10584
DATE COMPLETION: 10 MAY 2022
AJL NUMBER : 01517

A/C DETAILS							
A/C TYPE	AW139	A/C REG	9M-PME	A/C S/N	31855		
OWNER / OPERATOR	ROYAL MALAYSIA FORCE	A/C TOTAL TIME	1141:20	LANDINGS	1686		
ENGINE #1 S/N	PCE-KB2214	T.S.N	1141:20	T.S.O	-		
ENGINE #2 S/N	PCE-KB2224	T.S.N	1141:20	T.S.O	-		
LIST OF TASK PERFORMED	WP NUMBER	NUMBER OF PAGES					
		*WS	*PR	*ARC	*S	*SBC	*OTH
300FH INSPECTION (AF+ENG)	001	14	1	-	-	-	1
300FH//1Y INSPECTION	002	7	1	-	-	-	-
300FH//1Y INSPECTION FWD BULKHEAD INSTALLATION	003	2	1	-	-	-	-
300FH//1Y SBA139-661 REV.A PART II	004	1	1	-	-	1	-
*THIS IS TO CERTIFY THAT TASKS LISTED ABOVE HAS BEEN ACCOMPLISHED AS PER PO/WORK ORDER/SERVICE ORDER NO. AS ABOVE.							
NAME	SYAFAWATI ABDULLAH	SIGNATURE		DATE	15 JUNE 2022		
VERIFIED AND ACCEPTED BY				AHMAD KHALIS BIN HALIMI CAMO Planner Officer Galaxy Aerospace (M) Sdn Bhd (1040262-D)			
DATE				15 JUN 2022			

- *WS – WORKSHEET
- *PR – PART REPORT
- *ARC – AUTHORISED RELEASE CERTIFICATE
- *S – SERVICEABLE LABEL
- *SBC – SERVICE BULLETIN COMPLIANCE
- *OTH – OTHERS



WORK ORDER



To: GALAXY AEROSPACE (M) SDN. BHD.

Address: Lot 11-14, MRO Centre, Malaysia
International Aerospace Centre, SAAS Airport,
Subang
Malaysia

Attention: Mr. Syafrul Yamani
Engineering Manager
syafrul@galaxyaerospace.my

Work Order Number: 2022-10584

Work Pack Reference: 9M-PME-10584

Date Issued: 30/03/2022

A/C Registration / SN: 9M-PME/31855

Sheet: 1 of 1

Description:

Item	Description/Task/Inspection	Reference	Man Hours
1	300 FH INSPECTION (AIRFRAME AND ENGINES)	AMPI 04-20 MI T2, 04-30 CMR T2 & 05-21 SUMC T3 & SRHS T6, EMM 05-20	83.00
2	300 FH // 1 Y INSPECTION	AMPI 05-21, SUMC T3, GVC T2	92.00
3	300H//1Y INSPECTION FWD BULKHEAD INSTALLATION P/N 6AB1AD005-001	EASA STC NO. 10030342 REV. 2: FWD BULKHEAD INSTALLATION PN: 6AB1AD005-001	14.00
4	300H//1Y SBA139-661 REV.A PART II (EASA AD NO.: 2021-0044 PARA (2))	EASA AD NO. 2021-0044 DATED 05 FEBRUARY 2021, SBA 139-661 DATED 18 FEBRUARY 2021	<u>3.0</u> (PLEASE ADVISE)

DUE AT: 1155:45 FH // 08/11/2022

Remark/Notes:

1. State this Work Order reference on your Work Package. Should there is any additional job/defect (unless specified in the work package) the maintenance organization must notify GAM Continuing Airworthiness Manager prior to proceed with rectification.
2. Work must be carried out in accordance with approved data and perform by qualified personnel/ approved LAE from the maintenance organization.
3. Parts used must be written in Parts Report Form and accompanied by ARC, Serviceable Label or equivalent document.
4. Test report, parameter reading or any supporting data must be attached with the worksheet if applicable.
5. The maintenance organization shall be responsible for any damages made on the aircraft/ components during maintenance.
6. Softcopy of completed Work Package shall be submitted or as mutual agreed and GAM Continuing Airworthiness Manager must be informed once the aircraft is Release to Service.
7. Completed Work Package (original) must be submitted to GAM Continuing Airworthiness Manager office within 3 days of date of completion.

I hereby declare that an approved and up to date maintenance data has been referred for the issuance of this work order.

Thank you.
Best Regards,

Zaty Nadhira Mohamed Zuhari
Continuing Airworthiness Management Manager
Email: zaty@galaxyaerospace.my



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PME BASE/FACILITY: REFER WORKPACK DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO. 31855 AIRCRAFT REFER WORKPACK #1 ENGINE: PCE-KB2214 REFER WORKPACK #2 ENGINE: PCE-KB2224 REFER WORKPACK	HOURS	LDG/CYCLE	WORKSHEET NO: 10584-001 WORK/INSP/DESC: 300 FH INSPECTION WORKPACK REF: 9M-PME-10584 AJL REF NO.: REFER WORKPACK SHEET: 1 OF 14
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Reason for raising: SCHEDULED INSPECTIONS TO BE CARRY OUT I.A.W IETP AW139, 40TH ISSUE UPDATED: 2022-03-07, AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMPIAW139 ISSUE 3 REV. 0 DATED 03 FEB 2021 OR LATER APPROVED REVISIONS 300 FH INSPECTION (AIRFRAME AND ENGINES)	Raised by and date: CAMO RMPH; Ahmad Khalis 30/03/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
1	18-02 MAST VIBRATION ABSORBER INSTALLATION COMPONENTS REFERENCE (DMC): 39-A-18-63-00-00A-31AA-K DO A DI FOR CONDITION, FRETTING AND WEAR OF THE CONTACT ZONE WITH THE MAST INTERNAL DIAMETER (MAST VIBRATION ABSORBER REMOVAL REQUIRED). TASK INCLUDES A DI OF ADJACENT MAST INTERNAL DIAMETER AREA REMARKS: NOT APPLICABLE DUE TO NOT FITTED	-	<i>gus</i> 	08/05/22
1.1	THE DUPLICATE INSPECTION FOR TASK 18-02 MAST VIBRATION ABSORBER INSTALLATION COMPONENTS (CORRECT INSTALLATION, PROPER INSTALLATION AND SECURITY OF ATTACHMENT) CARRIED OUT IN ACCORDANCE WITH THE CAD 8601 PARA 5.12(3) 1st Inspector Sign: _____ Approval/Stamp: _____ DATE: _____ 2nd Inspector Sign: _____ Approval/Stamp: _____ DATE: _____	-	<i>gus</i> 	08/05/22
2	18-03 MAST VIBRATION ABSORBER ASSEMBLY REFERENCE (DMC): 39-A-18-63-00-00A-310A-K DO A GVI CORROSION, INTEGRITY AND WEAR (MAST VIBRATION ABSORBER REMOVAL AND DISASSEMBLY REQUIRED) REMARKS: NOT APPLICABLE DUE TO NOT FITTED	-	<i>gus</i> 	08/05/22
2.1	THE DUPLICATE INSPECTION FOR TASK 18-03 MAST VIBRATION ABSORBER ASSEMBLY (CORRECT INSTALLATION, PROPER INSTALLATION AND SECURITY OF ATTACHMENT) CARRIED OUT IN ACCORDANCE WITH THE CAD 8601 PARA 5.12(3) 1st Inspector Sign: _____ Approval/Stamp: _____ DATE: _____ 2nd Inspector Sign: _____ Approval/Stamp: _____ DATE: _____	-	<i>gus</i> 	08/05/22
3	21-02 COMPRESSOR DRIVE BELT (P/N 1768-60 ONLY) REFERENCE (DMC): 39-A-21-90-22-00A-31AA-K DO A DI TO CHECK BELT TENSION AND CONDITION (BELT FREQUENCY TENSION METER REQUIRED) REMARKS: C/O SATIS	<i>gus</i> 8000	<i>gus</i> 	08/05/22

- *The work recorded above has been carried out in accordance with the requirements of the Malaysian Civil Aviation Regulation for the time being in force and in that respect the aircraft / equipment is considered fit for release to service.
- *The work recorded above has been carried out in accordance with the requirements of the _____ for the time being in force and in that respect the aircraft / equipment is considered fit for release to service.

TICK ✓ WHERE APPLICABLE



CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PME BASE/FACILITY: REFER WORKPACK DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO. AIRCRAFT: 31855 #1 ENGINE: PCE-KB2214 #2 ENGINE: PCE-KB2224	HOURS REFER WORKPACK REFER WORKPACK REFER WORKPACK	LDG/CYCLE REFER WORKPACK REFER WORKPACK REFER WORKPACK	WORKSHEET NO: 10584-001 WORK/INSP/DESC: 300 FH INSPECTION WORKPACK REF: 9M-PME-10584 AJL REF NO.: REFER WORKPACK SHEET: 2 OF 14
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Reason for raising: SCHEDULED INSPECTIONS TO BE CARRY OUT I.A.W IETP AW139, 40TH ISSUE UPDATED: 2022-03-07, AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021 OR LATER APPROVED REVISIONS 300 FH INSPECTION (AIRFRAME AND ENGINES)	Raised by and date: CAMO RMPH; Ahmad Khalis 30/03/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
4	CM24-03 ELECTRICAL POWER REFERENCE (DMC): 39-A-24-31-00-00A-320A-A OC OF GCU OVER-VOLTAGE PROTECTION FUNCTION REMARKS: <i>GROUND RUN FORM # 22-007 REFERS. FOUND SATISFACTORY.</i>	<i>Foyy 8112</i>	<i>f</i> 	10/05/22
5	CM24-04 AC GENERATION SYSTEM (FIPS) REFERENCE (DMC): 39-B-24-21-00-00A-320B-A OC TO VERIFY THE CORRECT FUNCTIONALITY OF THE NUMBER 2 GENERATOR CONTROL UNIT (GCU) REMARKS: NOT APPLICABLE DUE TO DIFFERENT CONFIGURATION	<i>f</i>	<i>f</i> 	08/05/22
6	24-04 BRUSHES (NUMBER 1 STARTER GENERATOR) REFERENCE (DMC): 39-A-24-31-01-01A-31AA-A DO A DI FOR WEAR TO ESTABLISH BRUSHES REPLACEMENT INTERVAL FOR INDIVIDUAL OPERATORS. IF REMAINING BRUSH LIFE EXCEED 700 HOURS, BRUSHES MUST BE REPLACED AT 1000 FH (GENERATOR REMOVAL REQUIRED) NOTE: PLEASE ATTACH BRUSH WEAR CALCULATION REMARKS: <i>CARRIED OUT FOUND SATISFACTORY. (REFER ATTACHMENT.)</i>	<i>Foyy 8112</i>	<i>f</i> 	09/05/22
7	24-05 BRUSHES (NUMBER 2 STARTER GENERATOR) REFERENCE (DMC): 39-A-24-31-02-01A-31AA-A DO A DI FOR WEAR, TO ESTABLISH BRUSHES REPLACEMENT INTERVAL FOR INDIVIDUAL OPERATORS. IF REMAINING BRUSH LIFE EXCEED 700 HOURS, BRUSHES MUST BE REPLACED AT 1000 FH (GENERATOR REMOVAL REQUIRED) NOTE: PLEASE ATTACH BRUSH WEAR CALCULATION REMARKS: <i>CARRIED OUT FOUND SATISFACTORY. (REFER ATTACHMENT.)</i>	<i>Foyy 8112</i>	<i>f</i> 	09/05/22
8	25-03 RESCUE HOIST SYSTEM CIRCUIT BREAKERS (CB87 AND CB88) REFERENCE (DMC): 39-A-25-91-00-00A-320B-K DO AN OC TO DETECT DORMANT OPEN CIRCUIT FAILURES (FAULT FINDING TASK) REMARKS: NOT APPLICABLE DUE TO FITTED WITH DIFFERENT CONFIGURATION.	<i>f</i>	<i>f</i> 	08/05/22
9	25-04 RESCUE HOIST SYSTEM CABLE CUT SWITCH GUARD AND PUSH-BUTTON CONTACTS REFERENCE (DMC): 39-A-25-91-00-00A-320B-K DO AN OC TO DETECT DORMANT OPEN CIRCUIT FAILURES (FAULT FINDING TASK) REMARKS: NOT APPLICABLE DUE TO FITTED WITH DIFFERENT CONFIGURATION	<i>f</i>	<i>f</i> 	08/05/22

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CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PME BASE/FACILITY: REFER WORKPACK DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO. AIRCRAFT #1 ENGINE: #2 ENGINE:	31855 PCE-KB2214 PCE-KB2224	HOURS REFER WORKPACK REFER WORKPACK REFER WORKPACK	LDG/CYCLE REFER WORKPACK REFER WORKPACK REFER WORKPACK	WORKSHEET NO: 10584-001 WORK/INSP/DESC: 300 FH INSPECTION WORKPACK REF: 9M-PME-10584 AJL REF NO.: REFER WORKPACK SHEET: 4 OF 14
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Reason for raising: SCHEDULED INSPECTIONS TO BE CARRY OUT I.A.W IETP AW139, 40TH ISSUE UPDATED: 2022-03-07, AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021 OR LATER APPROVED REVISIONS 300 FH INSPECTION (AIRFRAME AND ENGINES)	Raised by and date: CAMO RMPH; Ahmad Khalis 30/03/2022	Other requirements/information: NIL
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Item	Description	Technician	* Eng. CRS	Date
17	33-07 SX16 SEARCH LIGHT SHIELDED CABLES REFERENCE (DMC): 39-A-33-49-00-00A-365A-K DO A FC FOR ELECTRICAL CONTINUITY TO CHECK INTEGRITY OF SHIELDED CABLES (CABLES REMOVAL REQUIRED) REMARKS: NOT APPLICABLE DUE TO SX16 SEARCH LIGHT NOT INSTALLED	<i>f</i>	<i>f</i> 	08/05/22
18	33-09 SX5 SEARCH LIGHT JUNCTION BOX REFERENCE (DMC): 39-F-33-49-00-00A-310A-K DO A GVI FOR MOISTURE AND DUST (BACK COVER REMOVAL REQUIRED) REMARKS: NOT APPLICABLE DUE TO SX5 SEARCH LIGHT NOT INSTALLED	<i>f</i>	<i>f</i> 	08/05/22
19	33-11 SX5 SEARCH LIGHT ELECTRICAL CABLES AND TERMINAL CONNECTIONS REFERENCE (DMC): 39-F-33-49-00-00A-310A-K DO A GVI TO DETECT CORROSION OR MECHANICAL DAMAGE. CONNECTORS FOR CONDITION, SAFETY AND SECURITY (BACK COVER REMOVAL REQUIRED) REMARKS: NOT APPLICABLE DUE TO SX5 SEARCH LIGHT NOT INSTALLED	<i>f</i>	<i>f</i> 	08/05/22
20	33-12 SX5 SEARCH LIGHT SHIELDED CABLES REFERENCE (DMC): 39-F-33-49-00-00A-310A-K DO A FC FOR ELECTRICAL CONTINUITY TO CHECK INTEGRITY OF SHIELDED CABLES (CABLES REMOVAL REQUIRED) REMARKS: NOT APPLICABLE DUE TO SX5 SEARCH LIGHT NOT INSTALLED	<i>f</i>	<i>f</i> 	08/05/22
21	33-13 XP SEARCH LIGHT REFERENCE (DMC): 39-D-33-49-01-00A-311A-K DO A VC OF FAN FILTER FOR CLEANLINESS REMARKS: NOT APPLICABLE DUE TO XP SEARCH LIGHT NOT INSTALLED	<i>f</i>	<i>f</i> 	08/05/22
22	33-16 XP SEARCH LIGHT ELECTRICAL CABLES AND TERMINAL CONNECTIONS REFERENCE (DMC): 39-D-33-49-00-00A-310A-K DO A GVI TO DETECT CORROSION OR MECHANICAL DAMAGE. CONNECTORS FOR CONDITION, SAFETY AND SECURITY (BACK COVER REMOVAL REQUIRED) REMARKS: NOT APPLICABLE DUE TO XP SEARCH LIGHT NOT INSTALLED	<i>f</i>	<i>f</i> 	08/05/22
23	33-17 XP SEARCH LIGHT SHIELDED CABLES REFERENCE (DMC): 39-D-33-49-00-00A-310A-K DO A FC FOR ELECTRICAL CONTINUITY TO CHECK INTEGRITY OF SHIELDED CABLES (CABLES REMOVAL REQUIRED) REMARKS: NOT APPLICABLE DUE TO XP SEARCH LIGHT NOT INSTALLED	<i>f</i>	<i>f</i> 	08/05/22

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CLIENT/OWNER: ROYAL MALAYSIA POLICE AIRCRAFT TYPE: AW139 REGISTRATION: 9M-PME BASE/FACILITY: REFER WORKPACK DATE IN: REFER WORKPACK OUT: REFER WORKPACK	SERIAL NO.	HOURS	LDG/CYCLE	WORKSHEET NO:	10584-001
	AIRCRAFT	31855	REFER WORKPACK	WORK/INSP/DESC:	300 FH INSPECTION
	#1 ENGINE:	PCE-KB2214	REFER WORKPACK	WORKPACK REF:	9M-PME-10584
	#2 ENGINE:	PCE-KB2224	REFER WORKPACK	AJL REF NO.:	REFER WORKPACK
			NG / N1	NF / N2	SHEET: 1 OF 1
REASON FOR RAISING: SCHEDULED INSPECTIONS TO BE CARRY OUT I.A.W IETP AW139, 40TH ISSUE UPDATED: 2022-03-07, AIRCRAFT MAINTENANCE PROGRAM RMPAOF/CAMO/AMP/AW139 ISSUE 3 REV. 0 DATED 03 FEB 2021 OR LATER APPROVED REVISIONS			Raised by and date: CAMO RMPH; Ahmad Khalis 30/03/2022		Other requirements/information: NIL

Item	Part No	Description	Serial Number		Qty	Position	Reason	Lifed Item Information TSN/TSO/DUE/TIMEX	Release Reference
			Off	On					
<i>(Table content is crossed out with a diagonal line)</i>									

NAME	FIRM	SIGN & APPROVAL	DATE
<i>PARUS</i>	<i>GAM</i>	<i>[Signature]</i> 	<i>10/05/22</i>

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WORK SHEET NO.	DATE	BY	CHECKED BY	DATE	APPROVED BY	DATE	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS	REVISIONS
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AW139 - STARTER GENERATOR BRUSH WEAR CALCULATION

Reference: AMP-39-A-24-31-01-01A-31AA-A Brush Set - Detailed Inspection

A/C REG: 9M-PME (31855)
 POSITION: NO.1 ENGINE
 STARTER GENE P/N: 1152546-2
 SERIAL NO: 1152546-02812

1. LENGTH OF THE SHORTEST BRUSH:	15.45	mm	= Y
2. OPERATING HOURS FROM AIRCRAFT LOGBOOK:	145:10	FH	= T
3. CURRENT BRUSH WEAR (Formula: $17.78 - Y$): <i>Note: Max wear length on the new brush is 17.78mm</i>	2.33	mm	= X
4. BRUSH WEAR PER HOUR (Formula: $X/T:Z$):	0.0161	mm/hour	= Z
5. SERVICEABLE BRUSH LIFE REMAINING (Formula: $Y/Z:W$)	962.02	hours	=W

A/C REG: 9M-PME (31855)
 POSITION: NO.2 ENGINE
 STARTER GENE P/N: 1152546-2
 SERIAL NO: 1152546-02811

1. LENGTH OF THE SHORTEST BRUSH:	11.17	mm	= Y
2. OPERATING HOURS FROM AIRCRAFT LOGBOOK:	145:10:00	FH	= T
3. CURRENT BRUSH WEAR (Formula: $17.78 - Y$): <i>Note: Max wear length on the new brush is 17.78mm</i>	6.61	mm	= X
4. BRUSH WEAR PER HOUR (Formula: $X/T:Z$):	0.0455	mm/hour	= Z
5. SERVICEABLE BRUSH LIFE REMAINING (Formula: $Y/Z:W$)	245.31	hours	=W




Please send to the following address: LEONARDO S.p.A. CUSTOMER SUPPORT & SERVICES - ITALY PRODUCT SUPPORT ENGINEERING & LICENSES DEPT. Via Giovanni Agusta, 520 21017 Cascina Costa di Samarate (VA) - ITALY Tel.: +39 0331 225036 Fax: +39 0331 225988		BOLLETTINO TECNICO COMPLIANCE FORM		Date: 9/5/22	
		Number: 139 - 661			
		Revision: REV - A PART II			
Customer Name and Address: GALAXY AEROSPACE (M) SDN BHD, Suite 11-14, Helicopter Centre, Malaysia International Aerospace Centre, Sultan Abdul Aziz Shah Airport, 47200 Subang, Selangor, Malaysia			Telephone: 03 7734 7226		
			Fax: 03 7734 7526		
			B.T. Compliance Date: 9/5/22		
Helicopter Model	S/N	Total Number	Total Hours	T.S.O.	
AW139	31855	1	1141:20	-	
Remarks: c/o SATIS  					
Information: We request your cooperation in filling this form, in order to keep out statistical data relevant to aircraft configuration up-to-date. The form should be filled in all its parts and sent to the above address or you can communicate the application also via Technical Bulletin Application Communication Section placed in Leonardo AW Customer Portal - MyCommunications Area. We thank you beforehand for the information given.					

