

Document Reference

Document ID	PSE/TQ/2024/155658	Contact	ABDUL QAIYUM ABDUL RAZAK
Your Code Reference		Subject	PITCH TRIM ACTUATOR DEFECT
Topic	TECHNICAL	Subtopic	OTHER
Issue	SEE TQ DETAIL	Team Legal Entity	Italy

Contact Details

Customer Description	GALAXY HELICOPTERS(M) SDN BHD	Customer ID	0006005700
Email	qaiyum.galaxyaerospace@gmail.com		

Customer Service

Priority	HIGH	Creation On (UTC)	31/05/2024
Resolve By (UTC)	04/06/2024	Leonardo Closure Date (UTC)	
Additional Note			

Helicopter Data

ATA Code	22	Description	AUTO FLIGHT
Helicopter S/N	NC0031315	Aircraft Tail Number	M72-02
Helicopter Line	AW139	Helicopter Model	AW139
Repair Instruction Query	False		

Ticket Description

Hello,

Currently we have faces an issues with pitch trim actuator No 1 and No 2 always fail intermittently during flight. Our maintenance found there is no fault code appear after the flight. Please refer the table for the details of the defect.

Please advise us on how to overcome this defect or any references on this defect.

History Log

Dhanaraj Eliyathamby : 2/6/2024 10:36:37 (UTC) :

Dear Abdul,

While waiting for your feedback, we suggest the following based on the data provided:

1. Perform 39-A-22-12-00-00A-426H-A:

- Try swapping or replacing AIOP4 (2B);
- check carefully wiring : Defective wiring between the AIOP4 (2B) and the pitch out-of-detent switch
- if all those checks found OK, replace pitch trim actuator.

2. Perform 39-A-22-11-00-00A-424K-A:

- Try swapping or replacing AIOP1 (1A);
- Check carefully wiring: Defective interface wiring between the AIOP1 (1A) module and the pitch-linear actuator 1.
- If all check found OK, replace Pitch-linear actuator 1.

3. Perform 39-A-22-11-00-00A-427H-A:

- Try swapping or replacing AIOP2 (2A);
- Check carefully wiring: Defective interface wiring between the AIOP2 (2A) module and the pitch-linear actuator 2.
- If all check found OK, replace Pitch-linear actuator 2.

Regards,
Dhana

Dhanaraj Eliyathamby : 1/6/2024 04:33:05 (UTC) :
Hi Abdul,

Could you confirm the H/C SW phase?
Also which is the CAS message that appears during the flight?

Regards,
Dhana

ABDUL RAZAK ABDUL QAIYUM : 31/5/2024 08:19:14 (UTC) :

Dear Dhana,

Here the data that you have required:

1. H/C FH - 4824.3 FH
2. CMC Data refer attachment.
3. FDR Raw data refer attachment.
4. Our maintenance team has perform the wiring check related to pitch trim actuator and its found satisfactory. Refer maintenance manual AWDP VOL 2 - 39-A-22-11-00-00A-051L-A

Dhanaraj Eliyathamby : 31/5/2024 02:45:19 (UTC) :
Dear Abdul,

In order to better evaluate your request, could you provide the following info:

1. H/C FH
2. CMC data
3. FDR raw data
4. Could you perform wiring check related to the pitch trim actuator as since intermittently failure, there could be a chance of loose connection?

Regards,
Dhana

Closing Note

{StartCondition:tablecount:incidentAttach}

Ticket Attachments

{StartTable:incidentAttach} {EndTable:incidentAttach}

Attachment's Name	Uploading Date
{incidentAttach:attachmentname}	{incidentAttach:uploadingdate}

{EndCondition:tablecount:incidentAttach}