

Title: MTO2017 915iS & Cavalon 915iS G3X Instrument Range Confirmation		
AG-SIL-2020-01-EN		Released:
Applicability		28 Sept 2020
Aircraft type & model: MTOSport 2017 915iS & Cavalon 915iS	Affected Serial number(s): All MTO2017 915iS & Cavalon 915iS fitted with a Garmin G3X glass cockpit	
The maintenance manual to be referenced is this stated or subsequent issue.		As per AutoGyro website
This form is the response from AutoGyro GmbH either against a problem found in the product in service requiring a containment or rectification action, or as service information for aircraft modification incorporation. For help, contact AutoGyro on 49(0)5121 88056-00, or email airworthiness@auto-gyro.com.		

Documentation (Service Information Letter Completion action)

The purpose of this document is to provide maintenance personnel with information over and above that currently available in the relevant AMM. Its compliance must be properly documented, if such procedure is required by the relevant authority

Chief Certification Officer	Chief Technical Officer
G. Speich	O. Birkner

Reason and overview of the Service Information Letter

There has been some confusion in the market over the G3X instrument range setup of MTO2017 915iS & Cavalon 915iS aircraft fitted with the Garmin G3X glass cockpit.

This service information letter provides information for the correct ranges of the G3X instruments.

Manpower estimates

Should adjustments be necessary, the task may be performed by a pilot, owner or an organization or individual entitled and trained to carry out maintenance on AutoGyro aircraft.

There are no manpower estimates associated with this SIL.

Compliance

There are no compliance requirements associated with this SIL

It is recommended however, that the instrument ranges be checked and confirmed as correct or adjusted as required at the earliest opportunity.

Customer Support

Not applicable

Tooling required

Standard tools.

Weight and Balance Effects

Nil

Manuals affected

POH & AMM AutoGyro is not affected.

Previous Modifications that affect the SIL

None

Accomplishment instructions (Action required to implement this bulletin):

All work is to be carried out in accordance with the latest model-relevant AutoGyro Aircraft Maintenance Manual and the Garmin G3X/G3X Touch Installation Manual should adjustment be required.

Instructions

1. Ensure the wheel brakes are applied and the mag switches/ignition are switched in the "off" position.

2. Ensure the propeller is clear of obstruction and personnel.
3. Switch on the ignition and allow the Garmin G3X to run-up.
4. Using the table below, compare ranges shown in the G3X instrument display to those in the table.
5. If inconsistencies are found, adjust the affected display as follows:
 - a. Turn off the G3X and re-start in configuration mode (Garmin G3X/G3X Installation Manual chapter 34 refers).
 - b. Select the affected instrument(s) and adjust the ranges to comply with the table below (Garmin G3X/G3X Installation Manual chapter 34.4.26 refers).
 - c. Save & reboot the display (G3X Installation Manual chapter 34.4.29)
6. Once any affected instrument ranges have been corrected, carry out a ground run for a functional check of all Garmin G3X instrument displays.

Illustrations

		G3X	
No.	Parameter Name	Range	limits min limits max
1	Engine RPM	0 to 7000 1/min	0 1333
			1333 1800
			1800 5700
			5700 5800
			5800
2	Manifold Air Pressure	0 to 2000 hPa	0 60
			60 1700
			1700 1730
3	Oil Pressure	0 to 8000 hPa	1730
			800 800
			800 2000
			2000 5000
			5000 7000
4	Oil Temperature	30 to 150°C	7000
			50 50
			50 90
			90 110
			110 130
5	Fuel Pressure	2000 to 4000hPa	130
			2500 2500
			2500 2800
			2900 3100
			3100 3500
6	Fuel Flow	0 to 50 l/h	3500
			0 35
			35 45
			45 50

Continued on next sheet...

7	Manifold Temperature	-30 to 70°C	-30	50
				50
			50	70
8	Coolant Temperature (CHT)	40 to 150°C		50
			50	90
			90	120
			120	130
9	Exhaust Gas Temperature (EGT)	0 to 1100°C	0	900
			900	950
			950	
10	Ambient Air Temperature	-40 to 55	-40	50
11	ECU Supply Bus Voltage	0 to 16 V	0	10
			10	12
			12	14,4
			14,4	16

Changes to the indication limits must be recorded within the aircraft documentation, in line with the requirements of the country of operation.

Material information (Parts required to be made to implement this service bulletin):

Nil

List of components (with purchasable part numbers)

Nil

Interchangeability

Not affected

Parts disposition

- a) Disposal requirements – Nil
- b) Environmental hazards of parts containing hazardous materials – Nil
- c) Scrap requirements (e.g. mutilate scrapped items beyond use) – Nil