

FALCON SERVICE ADVISORY

FSA-36-00-008-R03-A

Temperature Sensor P/N RP129-02: Reliability

Oct 02, 14

Classification: Maintenance

F10	F20		F200		F50		F900					F2000					F7X	
	-	-5		-	EX	-	EX	EASy	DX	LX	-	EX	EASy	DX	LX	S	LXS	
						X	X	X	X	X								

Π PURPOSE OF REVISION

Revision	Date	Description
3	02/10/14	Dispatch Plus program no longer effective

? REASON

The temperature sensor P/N RP129-02 is a dispatch critical item for the F900EX EASy fleet.

As this part number is also present on F900 and F900EX (non EASy) aircraft and has / may lead to delayed or cancelled flights, the purpose of this FSA is to inform operators of the availability of a more reliable temperature sensor.

🔍 FOLLOW UP / TECHNICAL FINDINGS

Almost all removals were confirmed faulty with the vendor. Failure often occurs after a few hundred hours operations and in most cases is due to:

- the rupture of the inner detection element,
- the contact of the inner detection element with the casing.

Suspected root causes are:

- an improper installation of the inner element into the sensor,
- aircraft vibration conditions.

📦 CORRECTIVE ACTION

A new sensor design has been developed, based on the Falcon 7X technology, with an improved detector assembly for an increased robustness.

This new sensor is fully interchangeable and mixable with the current one.

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INFORMATION

For F900 and F900EX

The new sensor P/N RP482-00 or RP482-01 is available.

On F900 aircraft, the temperature sensor P/N RP129-02 is installed as ECU overheating detection temperature sensor (14HW) and engine bleed air thermostats (12HW1, 13HW2, 13HW3 on F900 A/B and L12HW, M13HW, R13HW on F900C).

On F900EX aircraft, the temperature sensor P/N RP129-02 is installed as ECU overheating detection temperature sensor (14HW) and engine bleed air thermostats (L13HW, M13HW, R13HW).

To order, please contact your Spares Account Representative. Standard warranty conditions apply.

For F900EX (EASy versions)

In order to emphasize this reliability / dispatch improvement, this new sensor is proposed through **Service Bulletin F900EX-301** for a pro-active replacement.

The SB kit includes 3 temperature sensors P/N RP482-00 to replace the probes L13HW, M13HW and R13HW. Important: The ECU temperature probe 14 HW is not covered by this proactive replacement as in this position the probe has a much better reliability.

To order the SB kit, please contact your Spares Account Representative. **If you choose to comply with this Service Bulletin, accomplishment should be performed at first opportunity.**