



2141 ICON Way, Suite 100, Vacaville, CA 95688 - Tel: 707.564.4000 – www.iconaircraft.com

SERVICE BULLETIN

SB-112723-A

ID NUMBER & REVISION: SB-112723-A
SUBJECT: Fuel Tank Leak at Low Level Sensor
RELEASE DATE: 20 March 2024
EFFECTIVE DATE: 20 March 2024
SUPERSEDES NOTICE: N/A
AIRCRAFT AFFECTED: **MAKE & MODEL:** ICON A5
SERIAL NUMBERS: 00159-00196, 00198, 00199, 00202, 00203
REQUIRED ACTION: Inspect tank and replace if nonconforming
TIME OF COMPLIANCE: Next condition (annual or 100-hr) inspection
 (If persistent fuel smell is detected, service aircraft immediately)
REVISION HISTORY: A Initial Release

LEVEL OF CERTIFICATION	<input type="checkbox"/>	Pilot/Owner	<input checked="" type="checkbox"/>	A & P
REQUIRED (any level checked)	<input type="checkbox"/>	LSA Repairman – Inspection	<input checked="" type="checkbox"/>	Certified Repair Station
can perform task):	<input checked="" type="checkbox"/>	LSA Repairman – Maintenance	<input checked="" type="checkbox"/>	Manufacturer

PURPOSE:

It has been identified that some fuel tanks were manufactured incorrectly, which may result in leaks around the fuel low level sensor or the baffle area.

ASSEMBLIES AND PARTS:

PART NUMBER	DESCRIPTION	QUANTITY	ALTERNATE	
			PART NUMBER	DESCRIPTION
ICA010399	TANK, FUEL, ROTOMOLDED	1, As Needed		

IF APPLICABLE, SERVICE KITS:

KIT NUMBER	CONTENT PARTS	DESCRIPTION	QUANTITY
N/A			

INSPECTION INSTRUCTIONS:

- Remove baggage floor and pilot seat back in accordance with the Aircraft Maintenance Manual, sections 100050 and 100564.
- Use a mirror to inspect the seating of the low level sensor against the fuel tank. *(Figure 1)*
 - If a gap is present and/or the O-ring is visible – FAIL.

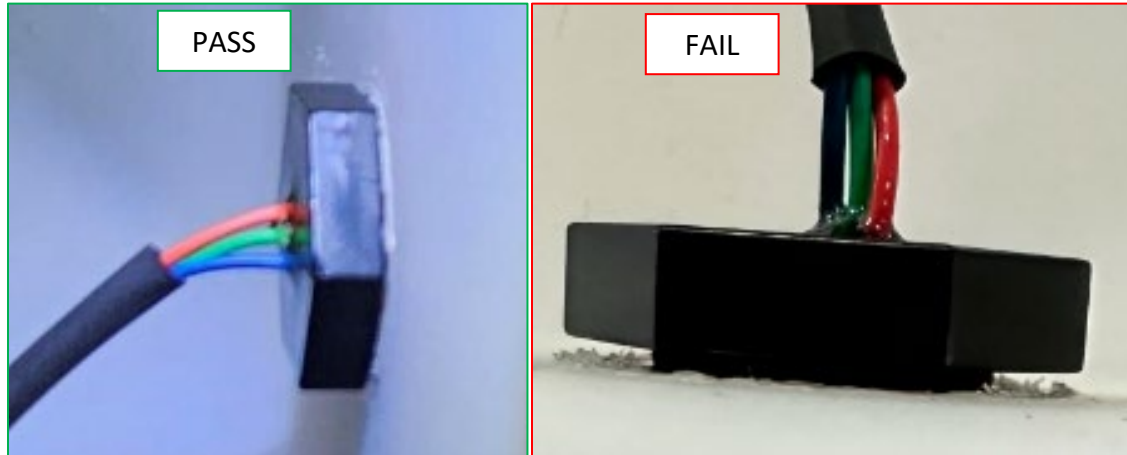
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Figure 1. Seating of Low Level Sensor, PASS (left) and FAIL (right)

3. Ensure that at least 2 gallons of fuel are in the tank. Inspect for weeping/staining around the low-level sensor insert. (Figure 2)
 - a. If weeping/staining is present – FAIL.



Figure 2. Weeping/Staining around Sensor

4. Fill the fuel tank (at least 18 gallons) and inspect for leakage around the baffle area. (Figure 3)
 - a. If evidence of leakage is present – FAIL.



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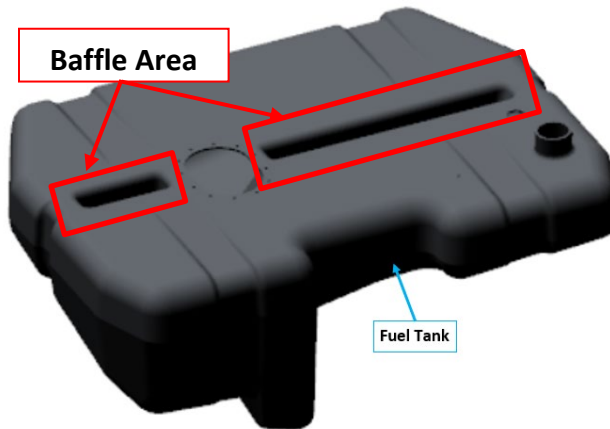


Figure 3. Baffle Area

5. If any of the above FAIL – proceed to REPAIR INSTRUCTIONS.
6. If all of the above PASS – reinstall pilot seat back and baggage floor in accordance with the Aircraft Maintenance Manual, sections 100536 and 100049, and proceed to LOGBOOK ENTRY.

REPAIR INSTRUCTIONS:

1. Remove and disassemble failed fuel tank in accordance with the Aircraft Maintenance Manual, section 100508.
2. Assemble and install new fuel tank in accordance with the Aircraft Maintenance Manual, section 100344.
3. Reinstall pilot seat back and baggage floor in accordance with the Aircraft Maintenance Manual, sections 100536 and 100049, and proceed to LOGBOOK ENTRY.

LOGBOOK ENTRY:

Make the following logbook entry:

“The corrective action of Service Bulletin (SB-112723-A) has been complied with (ref. FAA Exemption 10829C)”.

OR

For aircraft registered outside the U.S.:

“The corrective action of Service Bulletin (SB-112723-A) has been complied with.”

If you have questions, comments, or concerns about this Service Bulletin and/or if you are no longer owner/operator of this aircraft, please forward this information to the present owner/operator and notify ICON Aircraft at:

ICON Aircraft
2141 ICON Way, Suite 100
Vacaville, CA 95688
(707) 564-4000

support@iconaircraft.com

Please include the aircraft registration number, serial number, your name, and if known the contact information of the new owner/operator.