



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

SAFETY DIRECTIVE/ALERT

SD-090419-A

DATE ISSUED: 9/4/2019
DATE EFFECTIVE: 9/4/2019
SUPERSEDES NOTICE: SD-090419
SUBJECT:
AIRCRAFT AFFECTED: **MODEL:** A5
S/N: All
REQUIRED ACTION: Perform new engine start procedure during each start sequence
TIME OF COMPLIANCE: Prior to next flight
REVISION HISTORY Corrected a PDF conversion issue on the +/- pressure range symbol

PURPOSE:

ICON is committed to designing, manufacturing, delivering, and supporting a high-quality Light Sport Aircraft, providing a level of safety well beyond expectations. ICON has experienced several field service difficulty reports and numerous production line non-conformance reports of one or both of the fuel pumps in the Rotax fuel pump assembly that are failing to make rated pressure. The failures are associated with Rotax Fuel Pump Assembly Part Number 889696 Serial Numbers 18.XXXX and 19.XXXX series of fuel pump assemblies. The pump assembly failures are typically characterized by one or both fuel pumps in the assembly failing to make rated fuel pressure of 43.5 ± 3.0 PSI (3.0 ± 0.2 bar). This is indicated to the operator by a FUEL PRESS light or FUEL PRESS / LAND AIRCRAFT light being displayed on the annunciator panel while the engine is running, or if a FUEL PRESS caution is displayed after 6 seconds with just the pumps running. Field failures were identified by their respective operator without incident. All production line failures were identified and fuel pumps replaced prior to aircraft completion and delivery. To ICON Aircraft's best information, the pumps in the affected series will only be found in Aircraft Serial Numbers 00087 and beyond. Out of an abundance of caution ICON has applied this Safety Directive/Alert to all aircraft. ICON Aircraft is working closely with Rotax to come to a timely resolution of this issue. To increase the opportunity for the operator to identify a faulty pump prior to flight, ICON Aircraft requires that the following instructions are complied with prior to next flight.

PARTS LIST:

N/A

CONSUMABLES LIST:

N/A

WARRANTY:

N/A



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INSTRUCTIONS:

- 1) In the Pilots Operating Handbook (POH) replace the current procedure with this revised procedure:

Chapter 4 – Normal Procedures

4.4 ENGINE START

1. Strobes—ON
2. Brakes—TEST and SET
3. Throttle—OPEN 1/2"
4. Area Around Aircraft—CLEAR
5. Ignition Switch— A – pause 6 sec confirm FUEL PRESS light Out
6. Ignition Switch – B – pause 6 sec confirm FUEL PRESS light Out
7. Ignition Switch – BOTH – confirm ENGINE + LAND AIRCRAFT lights OUT
NOTE: If lights not out, switch may have been rotated too rapidly. Shut Down and restart
8. Ignition Switch—to start; RELEASE as engine fires
NOTE: Max crank time is 10 seconds, followed by 2 minutes off
9. Throttle—ADJUST to 2000 RPM
10. Oil Pressure—MONITOR; shutdown if not up in 10 seconds

- 2) Prior to every flight, when conducting POH Chapter 4, section 4.7 Engine Run-Up, confirm that there is a pause of at least 6 seconds on Ignition switch A and on Ignition switch B to allow the system to display a FUEL PRESS caution on the annunciator panel. This would indicate a pump that is weak or not functioning correctly.

CAUTION – DO NOT TAKE OFF WITH
A FUEL PRESS OR FUEL PRESS / LAND
AIRCRAFT LIGHTS DISPLAYED AS THIS
INDICATES THAT THE FUEL PRESSURE
IS EXCESSIVELY LOW OR HIGH

- 3) On every flight, if a FUEL PRESS and or FUEL PRESS / LAND AIRCRAFT light displays on the annunciator panel during anytime that the engine is running execute the appropriate emergency procedure in Chapter 3 of the POH.

Make the following logbook entry:

"The corrective action of Safety Directive (insert referenced document number) has been complied with and reported to ICON Aircraft Customer Service and Support".

If you need assistance relocating your A5 to your home base or temporary storage arrangements, please contact ICON Aircraft and ask for Customer Service and Support.



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If you have questions, comments, or concerns about this Safety Directive/Alert 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, Owners Center at:

ICON Aircraft
2141 ICON Way
Vacaville, CA 95688
(855) FLY-ICON or (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.



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SAFETY DIRECTIVE APPROVAL

A handwritten signature in black ink, appearing to read "Bret Davenport".

Flight Sciences Manager

9/4/2019

Bret Davenport

NAME

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