



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

SERVICE BULLETIN

SB-040816 REV A

DATE ISSUED: 4/8/2016
DATE EFFECTIVE: 4/8/2016
SUPERSEDES NOTICE: None
SUBJECT: FUEL SYSTEM CHECK VALVES
AIRCRAFT AFFECTED: **MODEL:** A5
S/N: 00001, 00003, 00004
REQUIRED ACTION: REMOVE AND REPLACE BOTH FUEL SYSTEM CHECK VALVES
TIME OF COMPLIANCE: PRIOR TO NEXT FLIGHT

PURPOSE:

It was discovered in production that the fuel system check valves may be incorrectly labeled and subsequently installed improperly. This could lead to excessive back pressure in the return line or fuel particulates to bypass the fuel filters and enter the engine. Both conditions could negatively affect performance of the engine. There have been no customer safety or performance notifications from an improper assembly, to date. This Service Bulletin is to provide instructions on how to remove and install replacement check valves.

WARRANTY:

PARTS LIST:

PART	DESCRIPTION	A5
CK375-MM	CHECK VALVE, AN6, <1PSI BREAK OUT PRESSURE	1
CK375-MM-14-BRP	CHECK VALVE, AN6, 0.8-1.3 BAR BREAK OUT PRESSURE	1
Plastic Bag	"STEP 4"	1
Plastic Bag	"STEP 9"	1

INSTRUCTIONS:

PREPERATION

- 1) Remove the headliner and the LH baggage panel from the aircraft per the Maintenance Manual Chapter 3.4.1.

CHECK VALVE 1

- 2) Near the fine fuel filter on the spar, there should be check valve mounted in parallel.
- 3) Remove this check valve and plug the lines accordingly.
- 4) Place this check valve in the bag marked "STEP 4"
- 5) Install new check valve labeled "CK375-MM-14-BRP". Note: this check valve shall be marked with a green dot on the grip hex near the end of the arrow. This mark is to indicate ICON quality has inspected and approved the check valve prior to shipment.
- 6) Torque per AC43.13 for standard aluminum b-nuts and self-locking nuts.



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CHECK VALVE 2

- 7) On the return line before entering the tank, there is a check valve mounted to the LH fuselage wall.
- 8) Remove this check valve and plug the lines accordingly.
- 9) Place this check valve in the bag marked "STEP 9"
- 10) Install new check valve labeled "CK375-MM". Note: this check valve shall be marked with a green dot on the grip hex near the end of the arrow. This mark is to indicate ICON quality has inspected and approved the check valve prior to shipment.
- 11) Torque per AC43.13 for standard aluminum b-nuts and self-locking nuts.

COMPLETION

- 12) Run pumps while inspecting for leaks around the joints where the check valves were replaced.
- 13) Replace the baggage panel and the headliner per the Maintenance Manual Chapter 3.4.1.
- 14) Please return the two bags with the used check valves back to ICON via the prepaid post envelope for further inspection.

MAKE THE FOLLOWING LOGBOOK ENTRY:

"Service Bulletin SB-040816 has been complied with and reported to ICON Aircraft Owner Support".

If you are no longer in possession 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
ownersupport@iconaircraft.com

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