



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

SERVICE BULLETIN

SB-111721 REV B

DATE ISSUED: 06/29/2022
DATE EFFECTIVE: 06/29/2022
SUPERSEDES NOTICE: SB-111721 REV A
SUBJECT: Oil Tank Quick Drain Valve Torque Verification
AIRCRAFT AFFECTED: **MODEL:** A5
S/N: 126-132, 134, 135, 139, 141, 142
REQUIRED ACTION: Check the Torque Value of the Quick Drain Valve and Correct as Necessary
TIME OF COMPLIANCE: Before further flight if there is evidence of oil leaking from the subject drain valve as described in the inspection below. Otherwise, within 5 flight hours as required to ferry the aircraft to an approved maintenance facility for corrective action.

PURPOSE: Aircraft in the affected range may have had an under-torqued oil tank quick drain valve from production. The drain valve is safety wired; however, the under-torqued condition could lead to oil leakage, and if left un-checked over time, could lead to engine seizure.

LEVEL OF CERTIFICATION REQUIRED (any level checked can perform task)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Pilot/Owner *** | <input checked="" type="checkbox"/> Certified Repair Station |
| <input checked="" type="checkbox"/> LSA Repairman—Inspection *** | <input checked="" type="checkbox"/> Manufacturer |
| <input checked="" type="checkbox"/> LSA Repairman—Maintenance | <input type="checkbox"/> Named Individual |
| <input checked="" type="checkbox"/> A&P | |

*** Pilot/Owner or LSA Repairman--Inspection can **ONLY** perform the inspection tasks detailed in Part A below.

INSTRUCTIONS:

PART A - INSPECTION: (Required if the aircraft will need to be flown to an ISP for corrective action)

1. Using a flashlight and telescoping mirror, accomplish a visual inspection of the oil tank quick drain valve as follows:
 - a. Gain access by looking down with the mirror through the oil access door on the engine cowl. If additional access is required, remove engine cowls as required in accordance with ICA000833 maintenance manual procedures.
 - i. *** Removing the engine cowls can **ONLY** be performed by an LSA Repairman – Maintenance at a minimum.
 - b. Ensure no evidence of oil leakage on the quick drain valve and surrounding area. Note that oil pooling below the oil tank could be caused from prior spillage from adding oil at the top



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of the tank. If any oil leakage is found from the drain, contact ICON Aircraft Engineering with details.

- c. Inspect the safety wire and ensure it is not loose to the touch or has evidence of being broken.
- d. If there is evidence of oil leaking from the oil tank quick drain valve or a loose or broken safety wire, then the Part A Inspection has failed.
 - i. Do not continue to step 2.

2. If the inspection in step 1 passes, it is acceptable to ferry the aircraft to an ISP if required, with the following provisions:
 - a. Ferry flight not to exceed 5 hours Hobbs time.
 - b. If multiple legs (stops) are required enroute, accomplish the inspection in step 1 between flights.
 - c. Ensure engine oil quantity is within limits (within the “flat” on the dipstick) as usual.
 - d. Monitor oil temperature and pressure during flight (as usual) and have a plan to divert if an abnormal indication requires it.

PART B - CORRECTIVE ACTION:

Certificate Holder’s Information

Name:	
Address:	
Certificate Type & Number:	
Date:	
Signature:	

Parts, Consumables, and bulk materials list:

P/N	Description	Qty
MS20995C32	Safety Wire	As Required
097-116	Blue Nylon Gasket	3
ICA012079	Torque Seal, Orange (or equivalent)	As Required

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Special tools, fixtures, or other special equipment:

1. It is permissible to create and use tools and fixtures as required to properly carry out the instructions presented within this document so long as they do not cause any damage to the aircraft or create any deviation of the aircraft from its intended design.

Oil Tank Removal, Torque Check, Oil Tank Reinstallation Instructions:

1. Remove the oil tank in accordance with ICA000833 (A5 Maintenance Manual) Section 16.1.8.3.1 instructions.
2. Cut the safety wire securing the bolt and the tank valve assembly to the tank (shown in Figure 1) and discard.
3. Replace the nylon washers.
4. Check that the torque of the lower bolt and valve are within 80 to 85 in-lbs and correct as required.
5. Apply torque seal as required.
6. Ensure the drain valve is in the closed position as shown in Figure 1.
7. Install safety wire onto valve and adapter. After securing valve to adapter, install safety wire to secure bolt to oil tank. A separate piece of safety wire secures the bolt to the oil tank and a second piece of safety wire secures the valve to the adapter as shown in Figure 1. Ensure not to loosen the oil drain when installing the safety wire.
8. Reinstall the oil tank in accordance with A5 Maintenance Manual Section 16.1.8.3.2 instructions. Ensure to accomplish the engine oil purge and engine test run specified in this section.
 - NOTE: Reference SL-081221-A to ensure proper oil purge procedures are followed

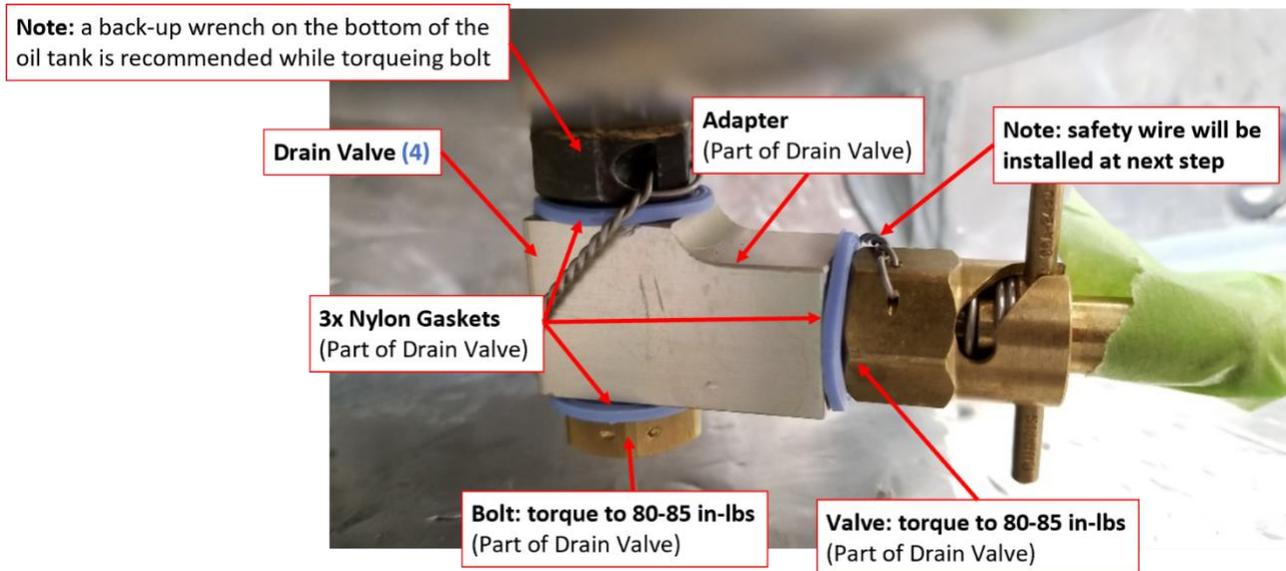


Figure 1 – Oil Tank Drain Valve and Bolt Location and Torque Specification



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Make the following logbook entry:

“The corrective action of Service Bulletin SB-111721-B has been complied with and reported to ICON Aircraft Service.”

Warranty Information:

- 1) 6 hours for engine oil tank removal/replacement and drain valve torque check.

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 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.