Service Letter SL-0017

Epic Aircraft, LLC ◆ 22590 Nelson Road ◆ Bend OR 97701
Phone: 541-318-8849 ◆ Fax: 541-382-5125 ◆ Web: www.epicaircraft.com

Subject: Hydraulic Reservoir Fluid Level Inspection and Servicing

ATA-Code: 29-12

Labor: 1.0 hour **Effectivity:** K003 and on

Affected Model(s): E1000, E1000 GX **Due:** After next flight.

Compliance: Recommended **Recurrence:** Yes, inspect after every flight.

1 BACKGROUND AND PURPOSE:

Hydraulic fluid levels should be filled to just above the sight glass, with the accumulator full. This service letter gives instructions to inspect and fill the hydraulic reservoir as needed to achieve this.

2 REFERENCES:

Epic E1000 Aircraft Maintenance Manual, PN SK05000000

3 WARRANTY:

Parts and labor costs for this Service Letter are at the owner's expense.

4 APPROVAL:

The engineering aspects of this service document have been shown to comply with the applicable Federal Aviation Regulations and are FAA approved.

5 TOOLS:

No.	Description	Qty	Epic Aircraft Supplied	Customer Supplied
1.	Basic Hand Tools	A/R	☐	☒
2.	Hydraulic Service Cart	A/R	☐	☒

6 PARTS/MATERIALS:

No.	Part Number	Description	Qty	Epic Aircraft Supplied	Customer Supplied
1.	MIL-PRF-83282 or MIL-PRF-87257	Hydraulic Fluid	A/R	☐	☒

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7 INSTRUCTIONS:

1. Inspect sight glass located on hydraulic reservoir within 1 hour of engine shut down (see Figure 1).
    a. If full, no further action is required.
    b. If it is not full, remove wheel wells and fill according to this document (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 57-10).
2. If a hydraulic mule is not available:
    a. Ensure that all circuit breakers are pushed in, especially the "Gear Control" Circuit breaker. Start the engine and ensure that Ng speed gets to minimum Idle speed. Shut the engine down.
    b. If the hydraulic fluid is below full do the following:
        i. Remove the "AIR" check valve fitting on the front right outboard side of the reservoir housing. Refer to Figure 1 for location of fitting.
        ii. Reinstall the fitting once fluid level is full in sight glass.
3. If a hydraulic mule is available:
    a. Fill hydraulic reservoir per Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 12-10 until sight glass is completely covered.
4. Reinstall aircraft wheel wells (refer to Epic E1000 Aircraft Maintenance Manual, PN SK05000000, Chapter 57-10).

Note: If the hydraulic reservoir is overfilled it will purge fluid into the belly pan area when the gear is retracted.

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8 FIGURES AND TABLES:

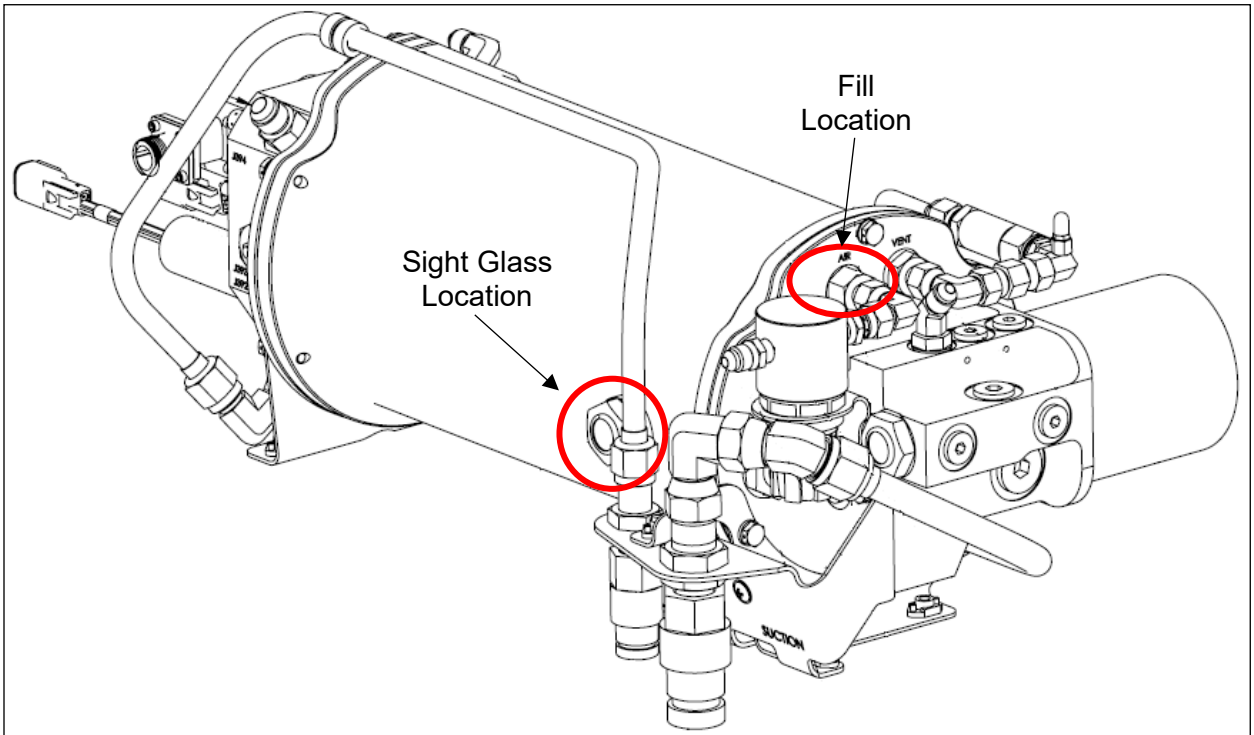


Figure 1: Fill and Sight Glass Location

9 WEIGHT AND BALANCE:

Negligible

10 PUBLICATIONS AFFECTED:

Epic E1000 Aircraft Maintenance Manual, PN SK05000000

11 RECORD COMPLIANCE:

Make appropriate entry in airplane maintenance records.

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Appendix A: Compliance Letter

Please complete and mail this form to Customersupport@epicaircraft.com

This is to certify that I have completed the work in accordance with the Epic Aircraft, LLC Service Instruction.

Aircraft Owner Information:
Date: _____ Aircraft Serial Number: _____ Aircraft Reg. Number: _____ Owner's Name: _____
Maintenance Entity Information
Name of Shop Performing the work: _____ Name of Person(s) Performing inspection and/or work: _____ Phone Number: _____ Email: _____