



Minimum Lubrication - Axis - Grease Reservoir - SHC007 - Refill

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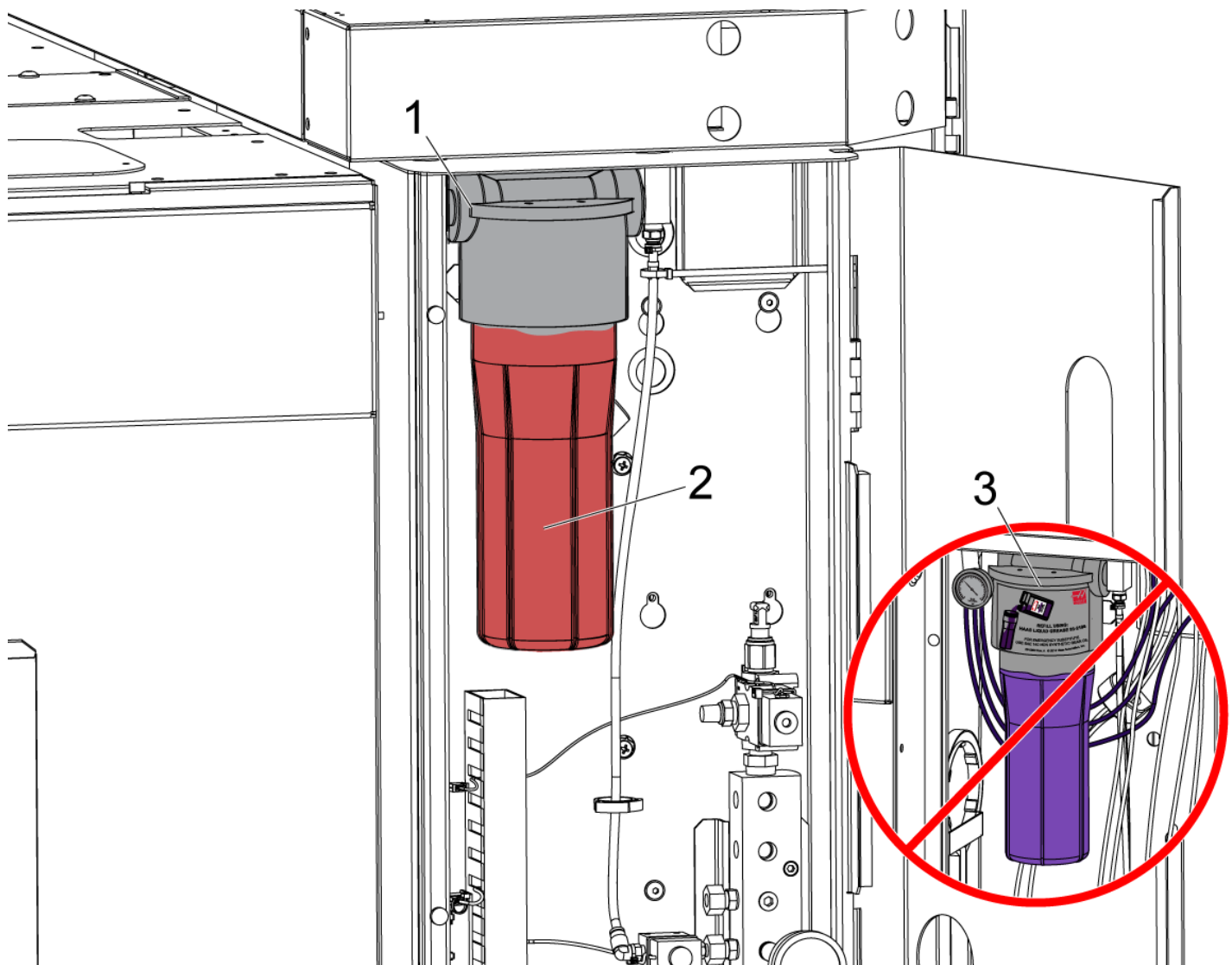


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Axis Lubrication System - Grease Reservoir - SHC007 - Refill - Introduction

This procedure tells you how to fill the grease reservoir in machines that use red Mobil SHC007 grease.




On machines that use red Mobil SHC007, the grease reservoir [1] does not have a pressure gauge on it and the grease is red [2]. **DO NOT** use this grease in machines that use Haas Liquid Grease [3].

 **Caution:** When you do maintenance or repair on CNC machines and their components, you must always follow basic safety precautions. This decreases the risk of injury and mechanical damage.

Do these steps before you do work in the machine or in the control cabinet:

- Set the main circuit breaker to the **[OFF]** position.
- Use an approved lock with an approved safety tag. Always follow lock-out procedures in accordance to local government rules.
- After turning off the machine, wait at least 5 minutes before working in the control cabinet, to allow power to dissipate. Wait for the voltage indicator LED on the vector drive to go off completely.
- Always turn off the main air supply when you work on any part of the pneumatic system.
- Make sure to rest the spindle head on a block of wood when work is done on a vertical axis. This will prevent any unintended movement that could result in the axis falling.
- Never alter any safety circuits on the machine.

You should not do machine repair or service procedures unless you are qualified and knowledgeable about the processes. Serious damage to the machine components can result in costly repairs. The service technicians at your Haas Factory Outlet (HFO) have the training and experience, and are certified to do these tasks safely and correctly. The repair and service work performed by your HFO is protected with a limited warranty.


 **Danger:** Some service procedures can be dangerous or life-threatening. DO NOT attempt a procedure that you do not fully understand. If you have any doubts about doing a procedure contact your Haas Factory Outlet (HFO) and schedule a service visit.

Prerequisites

If the reservoir for the liquid grease has a pressure gauge and the grease is purple, do not use red SHC007 grease. This grease will cause the system to become clogged. Do the [Axis Lubrication System - Grease Reservoir - Haas Liquid Grease - Refill](#) procedure.

If you get an **Empty Grease Reservoir** alarm, you must prime the grease delivery system after the reservoir is filled. Do the "Axis Lubrication System - Grease Reservoir - SHC007 - Prime and Test" at the end of this procedure.

 **Note:** When you replace MOBILUX EP O with MOBIL SCH007, the removal of the MOBILUX EP O is not necessary.

 **Caution:** Do not operate the machine without a correctly primed and purged grease system. Damage to the ballscrews and guideways is possible without correct lubrication.

 **Caution:** Use only grease specified for the machine.

Machine Compatibility

Do this procedure for these machines:

- All machines.

Parts Included



[A] 93-1933A QTY: 1
GREASE, REFILL MOBIL SHC 007 - 1
QT

Axis Lubrication System - Grease Reservoir - SHC007 - Refill

STEP 1



Press **[POWER OFF]**.

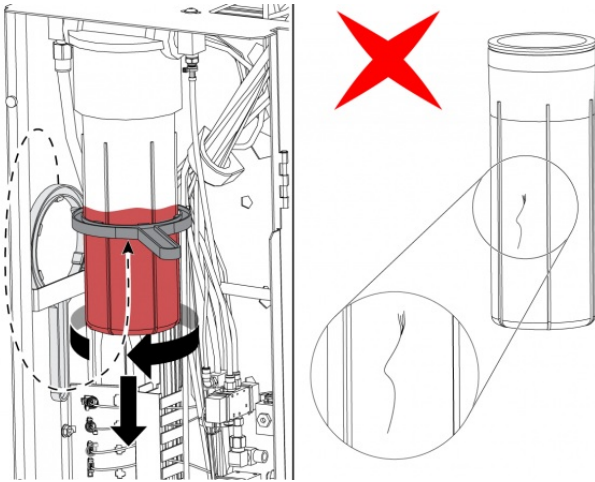
Set the main circuit breaker to the OFF position. Lock the main circuit breaker.

Use an approved lock with an approved safety tag.

Close the primary air valve. This stops the air supply to the machine.

Pull the ring on the pressure relief valve on the air and lubrication manifold. This releases the air pressure from the system.

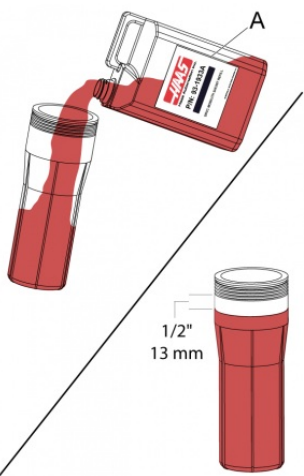
STEP 2



Use the supplied wrench to loosen and remove the grease reservoir.

Inspect the reservoir for cracks or damage. Replace the reservoir if it is damaged, chipped, or cracked.

STEP 3



Pour the MOBIL SHC 007 **[A]** into the reservoir to about 1/2" (13 mm) below the threads on the reservoir.



Note: It can be necessary to fill the reservoir again after you remove air from the system.

Install the reservoir and tighten it with the wrench.



Caution: The reservoir head has a stop. When you tighten the reservoir, do not try to tighten the reservoir after you feel it stop.

Set the main circuit breaker to the ON position.



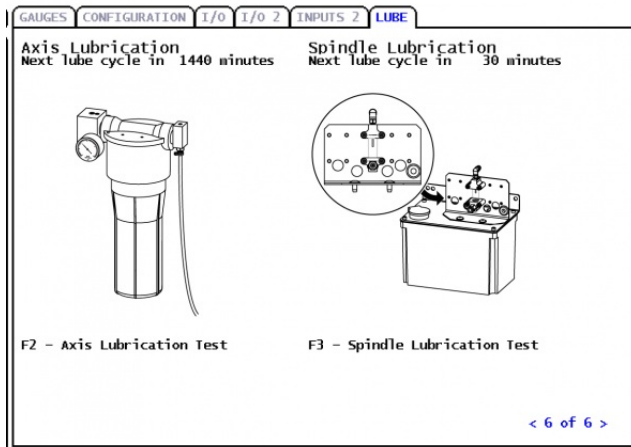
Push **[POWER ON]**.

Open the primary air valve.


Axis-Lubrication System - Grease Reservoir - Prime and Test

This procedure tells you how to prime the axis lubrication system.


STEP 1



If the machine has a Classic Haas Control, do these steps:

- Press [**PARAMETER DIAGNOSTIC**] (2) times to show the diagnostics page.
- Press [**CANCEL**].
- Go to the **LUBE** tab.
- Press [**WRITE/ENTER**].
-  Press [**F2**] to start the Axis-Lubrication Test.

If the machine has a Next Generation Control, do these steps:

- Press [**DIAGNOSTICS**].
- Go to the **Maintenance** tab.
-  Press [**F2**] to start the Axis-Lubrication Test.

STEP 2

Do the Axis-Lubrication Test again until you no longer get axis lubrication alarms. Wait a minimum of (1) minute between Axis-Lubrication Test cycles.

Check the level of the grease in the reservoir.

If the grease lines were nearly empty, it may be necessary to refill the axis-lubrication reservoir after you purge the lines of air. Pour the grease into the reservoir: to about 1/2" (13 mm) below the threads on the reservoir.

Conclusion

If air is in the axis lubrication system, alarms can occur. This is not a problem. Alarms can occur for several lubrication cycles after you fill the grease reservoir.