Haas Technical Documentation

Applies to machines built from:
October, 2013

High Intensity Lighting - Halogen Bulb Replacement

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Translation Available

High-Intensity Lighting - Bulb Replacement

This procedure tells you how to replace the bulb in a Haas High-Intensity Lighting (HIL) system.

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

Test the operation of the HIL system. Do the procedure that follows:

1. Set the main circuit breaker to the **ON** position.
2.  Push **[POWER ON]**.
3. Make sure that the ground-fault-circuit interrupt on the side of the control cabinet is not tripped.
4. Open the enclosure door.
5. Push the HIL button on the side of the pendant.
6. Make sure that both HIL lamps come on.
7. If one or both of the lamps do not come on, go to step 1.

Machine Compatibility

Do this procedure for these machines:

- Haas CNC machines made after October 1, 2013

Parts Included

87-0007 QTY: 1
LIGHT BULB, HALOGEN 200W
120VAC HIL

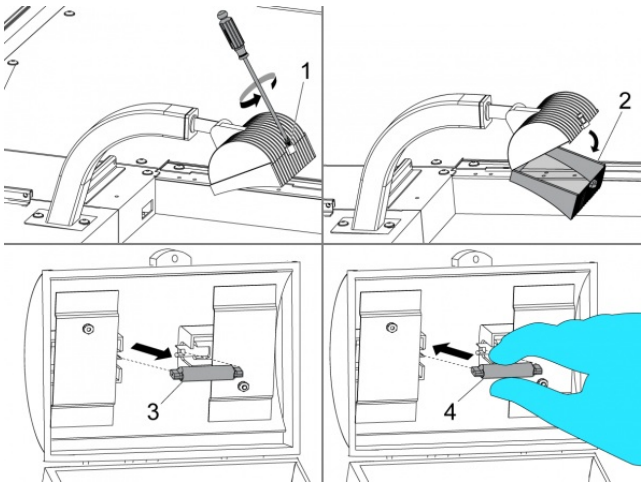
STEP 1

Push **[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.

STEP 2



Clean unwanted material from the lamp housing and lens.

Loosen the screw [1] on the top of the HIL lamp.

Open the lamp cover [2].

Remove the HIL bulb [3].

Use lens cleaner and a lint-free cloth to clean the lens and lamp housing.

Caution: Before you touch the HIL light bulb, put clean gloves on your hands. Oil from your hands or dirty gloves can contaminate the surface of the bulb. This causes damage to the bulb.

Install the new light bulb [4] in the socket.

Close the lamp cover.

Tighten the screw.

Conclusion

Do the operation test procedure again to make sure the HIL system operates correctly.

If the HIL lamps do not come on after you replace the bulbs, speak to your Haas Factory Outlet service center.