



# Work Light - 20W Thin LED - Magnetic-Mounted - Replacement

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Translation Available



## Work Light - 20W Thin LED - Magnetic-Mounted - Introduction

This procedure tells you how to replace an installed work light with a Magnetic-Mounted 20W Thin LED Work Light.




 **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.

### Parts Included

KIT PN: 93-2378, SERVICE KIT LAMP LED 20W. QTY: 1



**[A]** 32-0404 QTY: 1  
WORKLIGHT, LED LAMP ASSEMBLY  
SLIM 20W 7X7



**[B]** 76-2212 QTY: 4  
CRIMP TYPE WIRE NUT 22-12NYLON  
INSUL CLO



**[C]** 79-5803 QTY: 1  
C13 WORK LAMP POWER CBL 1 FT

### Tools Required



Crimp Plier/Wire Stripper

## Work Light - 20W Thin LED - Magnetic-Mounted - Replacement

### STEP 1

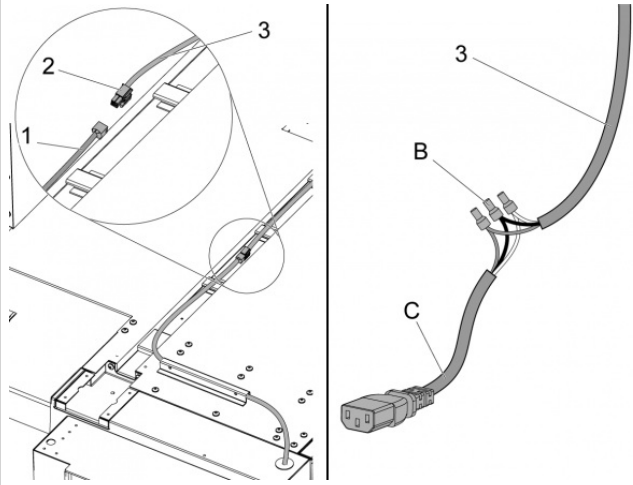


Push **[POWER OFF]**.


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



Disconnect the work light cable [1] from the power extension cable [3] that comes out of the control cabinet.

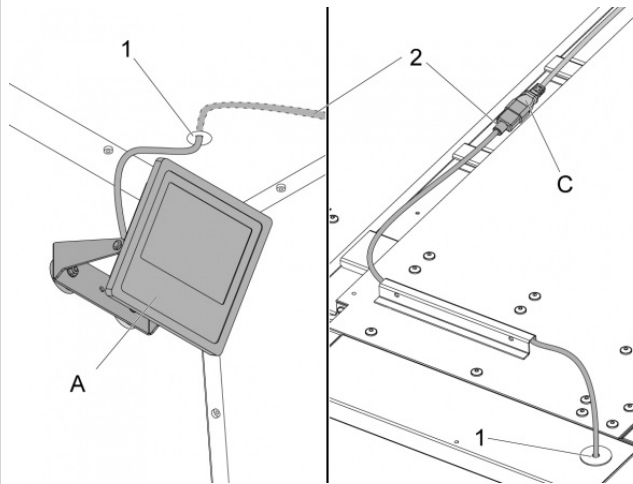
 **Note:** The power extension cable is in the cable channel on top of the machine. The path of the cable is not the same on all machines.

Remove the installed work light.

If the power extension cable has a Molex connector, do this:


- Remove the Molex connector [2] from the power extension cable [3].
- Connect the power extension cable [3] to the new female C13 WORK LAMP POWER CABLE [C]. Use the CRIMP WIRE NUTS [B].

## STEP 3



Attach the LED LAMP ASSEMBLY [A] to the machine at a position that fully illuminates the workpiece.

Put the male C14 cable [2] from the 20W LED work light through the hole in the top of the enclosure [1].

 **Note:** On some machines, the hole in the enclosure and grommet [1] is too small for the male C14 connector. Make the holes larger.

Install the male C14 cable [2] in the same cable channel as the removed work light cable.

Connect the male end of the work light C14 cable [2] to the female C13 WORK LAMP POWER CABLE [C].