AD0345 Rev A
Applies to machines built from:
July, 1998

Chip Conveyor - Motor - Replacement

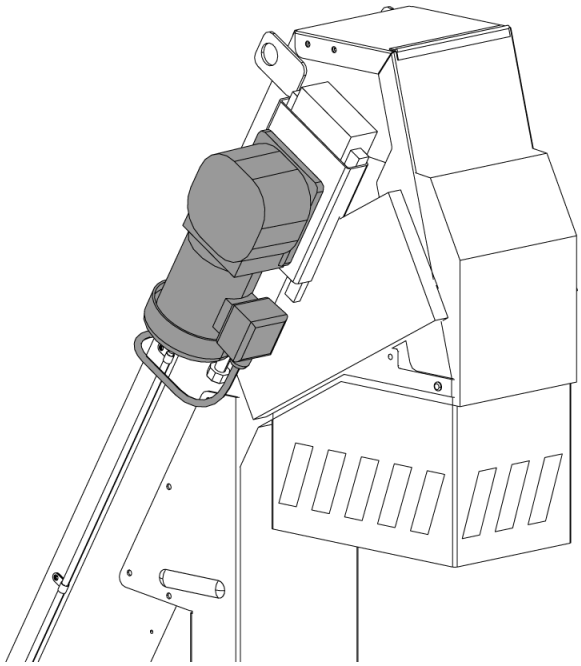
Scan code to get the latest version of this document

Translation Available

VMC, HMC, Lathe - Chip Conveyor - Motor - Replacement - Introduction

This procedure tells you how to install and wire a replacement motor for a conveyor. When you receive the replacement motor, the cable for the motor will have one of these circumstances:

- The cable may match your existing electrical cable. In this circumstance, no modification is necessary.
- The cable may not match your existing electrical cable. In this circumstance, you have (2) options:
  - You can bypass the extension cable on the machine and connect the new motor cable directly to the I/O PCB.
  - You can take the cable off of the old motor and install it onto the new one. This procedure shows you how to make that modification.



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

Use P/N 93-1224B for vertical mills and lathes. Use P/N 93-2381 for horizontal mills.

Machine Compatibility

This procedure applies to all single phase chip conveyors supplied by Haas.

Parts Included

[A] 93-1224B QTY: 1
MOTOR, CHIP CONVEYOR 1/8HP
50/60HZ 240:1 W/CABLE 30FT 8PIN

[A] 93-2381 QTY: 1
MOTOR, CHIP CONVEYOR 1/8HP
50/60HZ 120:1 W/CABLE 13FT

VMC, HMC, Lathe - Chip Conveyor - Motor - Replacement

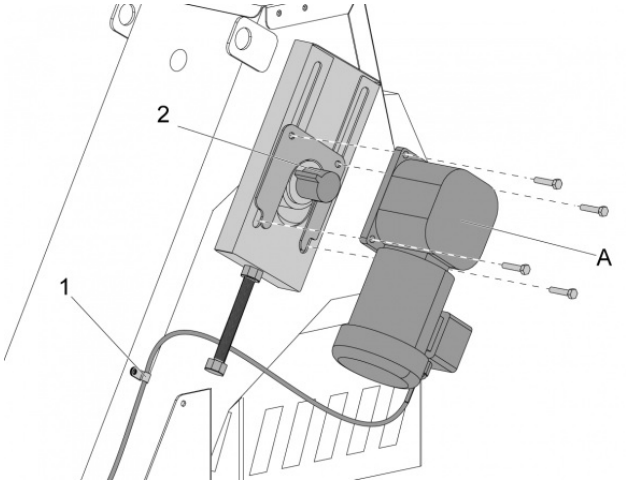
STEP 1

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



Remove the cable clamps [1].

Remove the used motor.

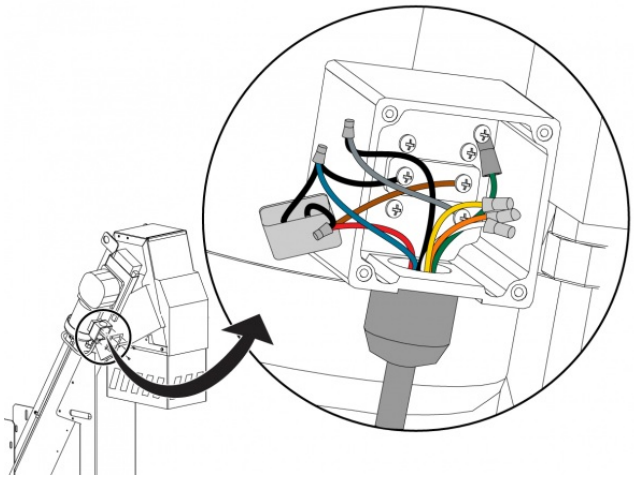
Press the CHIPC MOTOR 1/8HP 235V 50/60HZ [**A**] onto the conveyor shaft. Align the slot in the motor shaft with the key [2] on the conveyor shaft.

Attach the motor to the conveyor head.

Install the cable clamps [1].

Connect the electrical cable.

STEP 3



Do this step if you must modify the cable that came with the motor.

Cable Wire	Connect to:
Blue	Capacitor/motor black
Red	Capacitor/motor brown
Black	Motor gray
Green	Ground
Yellow	Cap off - no connection
Orange	Cap off - no connection
White	Cap off - no connection


Power on the machine.


Push **[CHIP FWD]**.

If the motor is wired correctly, the chip conveyor moves forward.


Push **[CHIP REV]**.

If the motor is wired correctly, the chip conveyor moves backward.