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Safety Alert

Backbone Safety Hazard on Magnus VLF CL and Magnus VLF MCU Devices

Potential Hazard

A safety hazard exists where a person's hand can get caught between the leading edge backbone and the unload table when the backbone is moving towards the unload table. This scenario is possible when the rear hood has been opened and the Safety Interlock Override key switch has been switched to the Interlock Override position. Take extreme care in this condition to keep your hands and other objects away from any moving parts while servicing the device. Always keep personal safety in mind when working on or around output devices.

Emergency Recovery

If your hand gets trapped by the backbone, immediately press the red E-Stop switch and then the black backbone release switch. The backbone release switch will release the air pressure in the backbone cylinders when pressed. With the air pressure released, you will be able to pull the backbone away from the unload table to release the hand that is trapped.



Warning: Do not use a cheater Omron key to override the safety circuit. If your hand gets trapped with a cheater key in place, the backbone release switch will not be active and the air will not be released from the cylinders even if the backbone release switch is pressed.

Safety Alert

Testing the Backbone Release Switch

The backbone release switch may not be functional on some devices. Use the following as a guideline:

- Devices MT023 and before do not have the backbone release switch installed.
- Devices MT024 to MT137 have the backbone release switch installed, but the supporting cables are not installed.
- Devices MT138 and later should have the backbone release switch and supporting cables installed and the switch should be functional.

If you are unsure about the operation of the backbone release switch on a device, perform the following test:

1. Open the rear hood. Type >>`door unlock` .
2. Turn the Safety Interlock Override key switch to the **Interlock Override** position.
3. Move the backbone to the horizontal unload position. Type >>`backbone horizontalunload` .
4. Press the E-Stop button and then press the backbone release switch alongside it.
   If you are able to move the backbone away from the unload table, then the air has been released from the cylinders and the backbone release switch is functional. If you are unable to move the backbone, then the backbone release switch is not functional and the relative FCO must be implemented.

Implementing the FCO

For devices MT024 and later, install FCO CA06631. To install this FCO, order kit 512-00261A and procedure 719-00468A. Included in the FCO kit is a backbone release switch label that must be applied to the sheet metal bracket alongside the backbone release switch. The label will then identify that the release mechanism has been implemented and is functional.



For devices MT023 and earlier, a FCO will be released soon for installing the backbone release switch and supporting cables on those devices. The release of this FCO will be announced in the Product Support News.