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SACKETT material handling SYSTEMS, INC
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DESIGN & MANUFACTURE OF MATERIAL HANDLING EQUIPMENT

Conversion from Vacuum to Magnet Extraction System

Centurion HHA

Converting requires removal of the vacuum cup assemblies and vacuum lines from the operator compartment located 4-way solenoid valve. Conversion will take approximately four man-hours to complete.

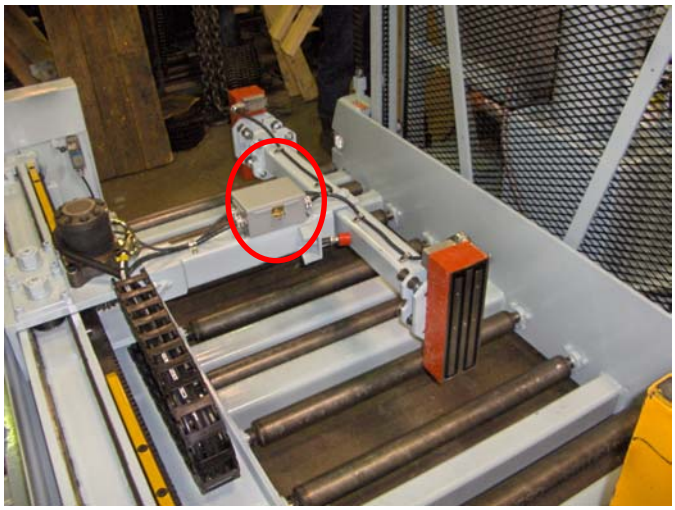
Conversion Kit

PN	Description	Qty
807500B-CENT	KIT, CENTURION HHA MAGNET ASSEMBLY, 500W 4x12" 1/2" MOUNT	1

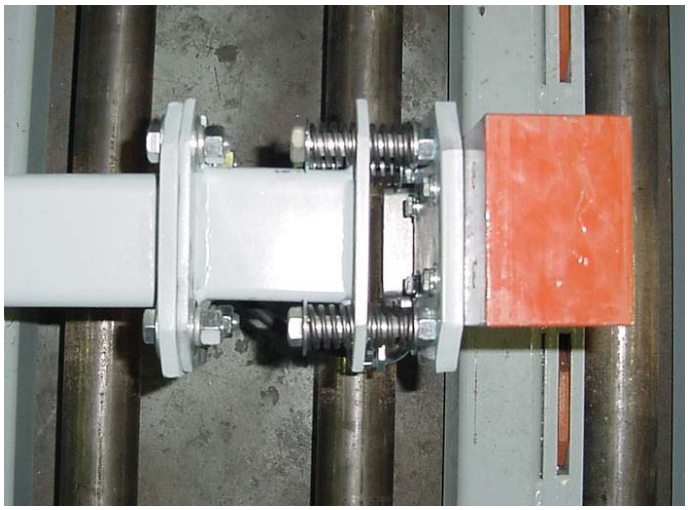
Magnet specific Extractor Cam are required

Selection dependent on use of fixed extractor arm extension on either left or right side, 4" extension's can't be used due to interference with double spring hardware kit A804672B, use the 5" Extension C800880I. Cams must be changed due to magnet assembly being thicker than vacuum, failure to change cam may result in damage to equipment or property.

PN	Description
806908M	EXTENSION LIMIT CAM PROX SW, MAGNETS SD EXTRACTOR, NO EXT
806908M-5L	EXTENSION LIMIT CAM PROX SW, MAGNETS SD EXTRACTOR 5" LH EXT
806908M-5R	EXTENSION LIMIT CAM PROX SW, MAGNETS SD EXTRACTOR 5" RH EXT



Junction Box Mounting



Double Spring Detail

1. Remove vacuum pump and solenoid valve from compartment to left of operator console.
2. Mount power supply and relay 69 in place of vacuum pump and solenoid.
3. Mount junction box to extractor arm.
4. Connect wiring per schematic.

Magnet Power Supply and Relay 69 Detail

- Power to the magnet controller (115VAC) should be run through relay 68 normally OPEN contact, which will be CLOSED when the operator console magnet selector switch is in the leftmost and rightmost positions and OPEN in the center position.

- Power to the coil of relay 68 (115VAC) should be run through PLC output 02 and come from fused terminal 0682, which will be ENERGIZED when the operator console magnet selector switch is in the leftmost and rightmost positions and OFF in the center position.

- Power to the coil of relay 69 (115VAC) should be run through PLC output 03 and come from fused terminal 0692, which will be ENERGIZED when the operator console magnet selector switch is in the leftmost and rightmost positions and OFF in the center position.

- Power to the left magnet (24VDC) is run through the normally CLOSED contact of relay 69, which will be CLOSED in the leftmost and center positions and OPEN in the rightmost position of the operator console magnet selector switch.

- Power to the right magnet (24VDC) is run through the normally OPEN contact of relay 69, which will be OPEN in the leftmost and center positions and CLOSED in the rightmost position of the operator console magnet selector switch.