

Conversion from Vacuum to Magnet Extraction System

Standard 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.

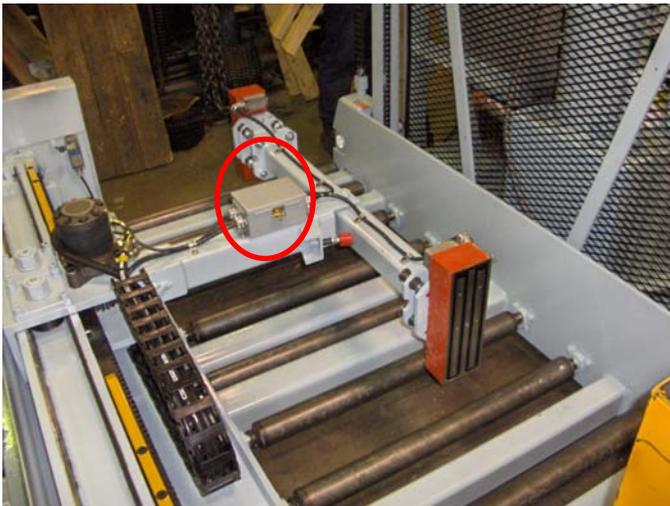
Conversion Kit

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

Magnet specific Extractor Cam are required

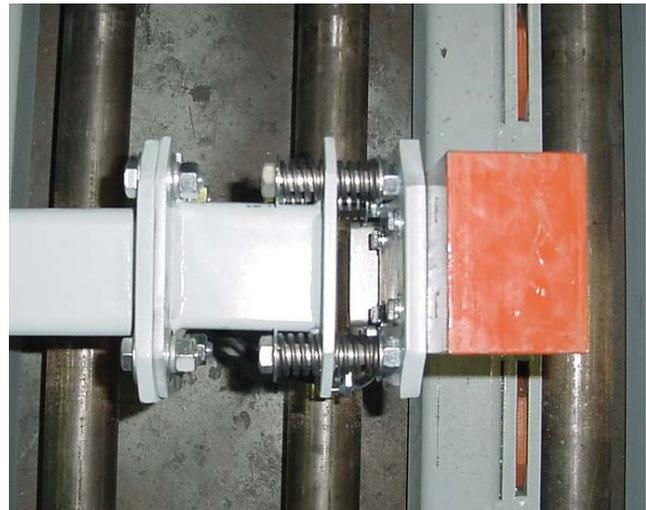
Selection dependent on use of fixed extractor arm extension on either left or right side, 4" extension's can't be used due to interference with double spring hardware kit A804672B, use the 5" Extension C800880I. Cams must be changed due to magnet assembly being thicker than vacuum, failure to change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

PN	Description
A801415LM	EXTENSION LIMIT CAM LEFT-SUPER DUTY EXTRACTOR , NO EXT
A801415LM-5	EXTENSION LIMIT CAM LH USE W/5" EXTENSION
A801415RM	EXTENSION LIMIT CAM RIGHT-SUPER DUTY EXTRACTOR , NO EXT
A801415RM-5	EXTENSION LIMIT CAM RH USE W/5" EXTENSION



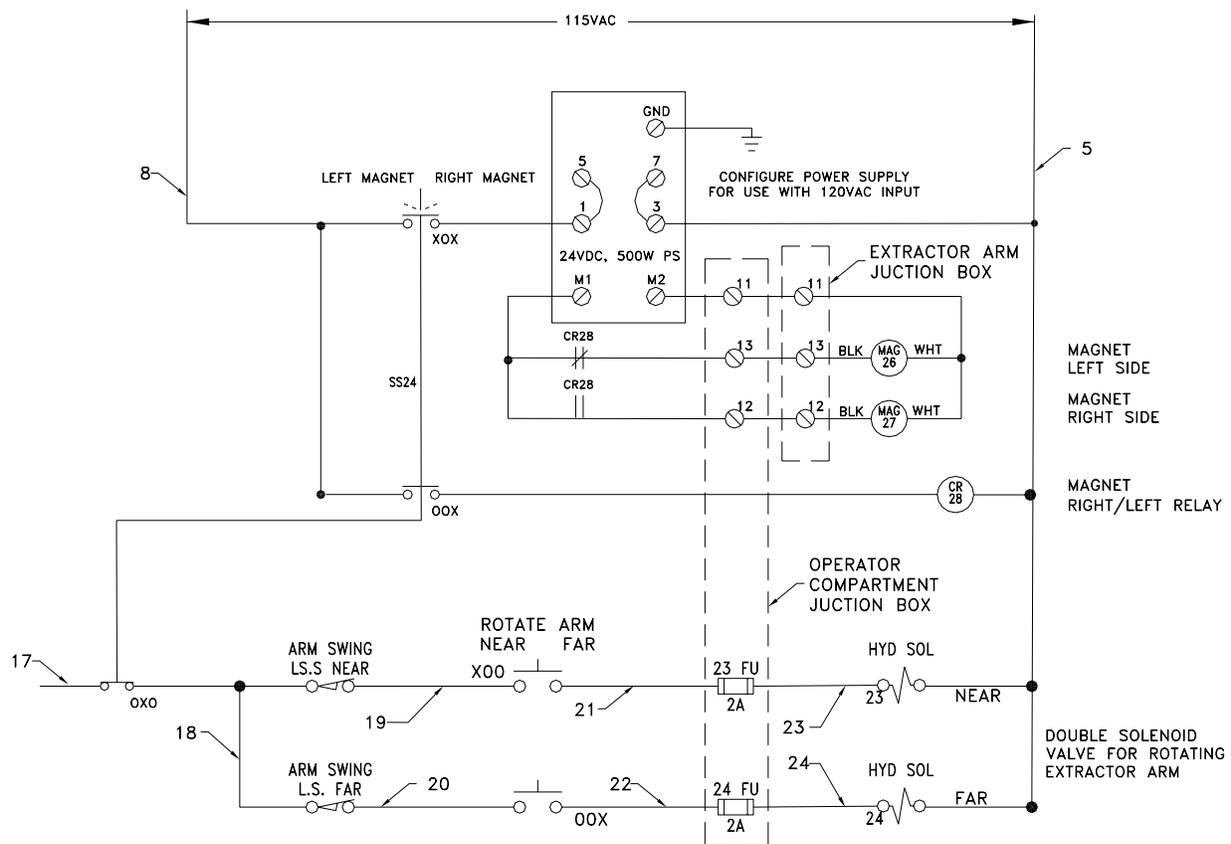
Junction Box Mounting

Cams are yellow bars shown along Extractor I-Beam



Double Spring and 5" Extension Detail

1. Replace current Vacuum Left-Right selector switch with three-position switch.
 2. Remove Vacuum Off-On switch and plug hole.
 3. Mount power supply and relay to operator compartment console enclosure, to the left of the extractor arm/power roller control valves.
 4. Mount junction box to extractor arm.
 5. Add terminals 10, 11, 12, 13 to operator compartment junction box.
 6. Connect wiring per schematic. Use high flex cable, PN 8600A between operator compartment and extractor arm junction boxes.
- Power to the magnet controller (115VAC) should be run through contact XOX, which will be CLOSED when the selector switch is in the leftmost and rightmost positions and OPEN in the center position. Operate the switch to verify which contact provides this function.
 - Power to the right/left relay (115VAC) is run through contact OOX, which will be OPEN in the leftmost and center positions and CLOSED in the rightmost position.
 - Power to the left magnet (24VDC) is run through the relay normally CLOSED contact, which will be CLOSED when selector switch is in the leftmost and center positions and OPEN in the rightmost position.
 - Power to the right magnet (24VDC) is run through the relay normally OPEN contact, which will be OPEN in the leftmost and center positions and CLOSED in the rightmost position.
 - Power to the swing arm circuit (115VAC) is run through contact OXO, which will be CLOSED in the center position and OPEN in the leftmost and rightmost positions. This prevents the arm from rotated if the magnet is ON.





Transformer and Relay installation location



Operator compartment junction box

