

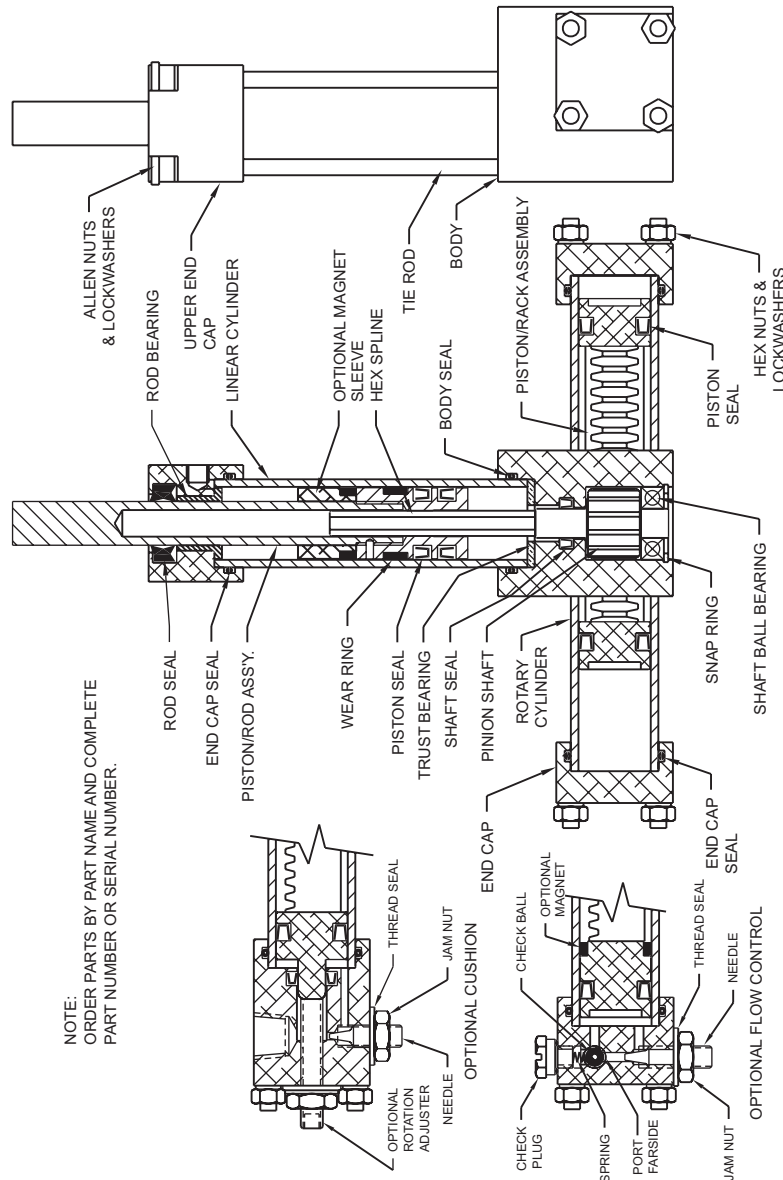
SEAL REPAIR KITS AND SEAL OPTIONS

PART NUMBERS FOR SEAL REPAIR KITS

SRK - [PA01] - [F] - [C] - [A] - [V] - [T]
 SERIES FLOW CUSHIONS ROTATION FKM PRETENSIONED
 CONTROL ADJUSTERS TYPE SEALS

EXAMPLES:
 SEAL KIT FOR PA01-90-A4-3C2-1A-3RL-WA4 = SRK-PA01-CA
 SEAL KIT FOR PA01-180-B2-2F1-WA1 = SRK-PA01-F
 SEAL KIT FOR SPECIAL, SUCH AS PA01-B004 = SRK-PA01-B004
 IF PART NUMBER IS NOT KNOWN, PROVIDE UNIT SERIAL NUMBER FROM LABEL
 OR STAMPED INTO BODY UNDER LABEL.

PA01 ACTUATOR PARTS LOCATION

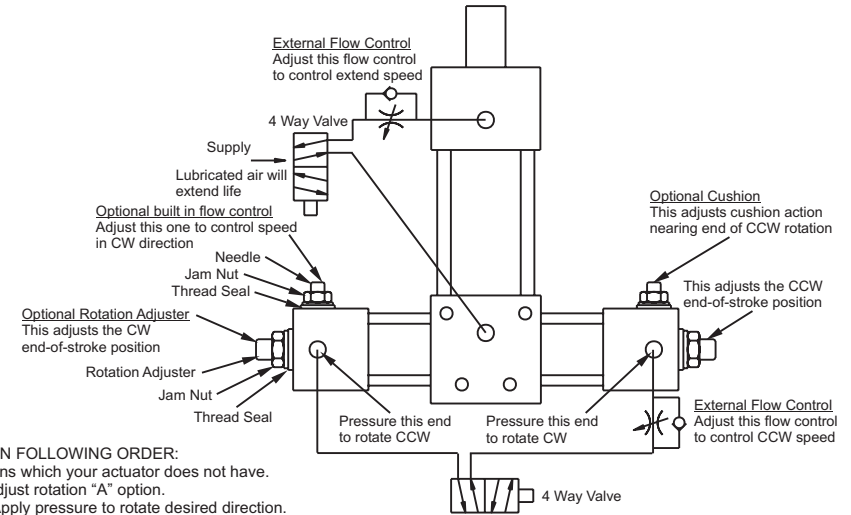


NOTE:
 ORDER PARTS BY PART NAME AND COMPLETE
 PART NUMBER OR SERIAL NUMBER.



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PA01 PICK & PLACE ACTUATOR INSTALLATION AND SETUP

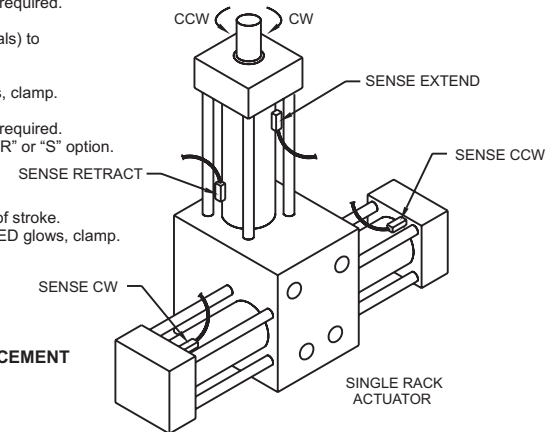


ADJUST IN FOLLOWING ORDER:

Skip options which your actuator does not have.

- 1) To adjust rotation "A" option.
 1. Apply pressure to rotate desired direction.
 2. Loosen jam nut using the correct size wrench.
 3. Adjust position using hex key wrench in rotation adjuster.
 4. Tighten jam nut while holding rotation adjuster steady.
- 2) ROTARY SECTION: Adjust magnetic switch, "R" or "S" option.
 1. DISABLE AUTOMATIC CONTROL. KEEP CLEAR OF SHAFT AND SHAFT MOUNTED PARTS!
 2. Apply voltage to switch only, place switch at end cap, cable toward body.
- 2a) For signal at end of rotation.
 1. Drive unit to end of rotation.
 2. Move switch toward body until LED glows, clamp.
 3. Set flow controls for low speed.
 4. Cycle to check operating point, adjust as required.
- 2b) For signal before end of rotation.
 1. Apply low pressure (5 psi for standard seals) to cylinder being set.
 2. Position shaft to switching point.
 3. Move switch toward body until LED glows, clamp.
 4. Set flow controls for low speed.
 5. Cycle to check operating point, adjust as required.
- 3) LINEAR SECTION: Adjust magnetic switch, "R" or "S" option.
 1. Adjust linear speed with external flow controls or reduce line pressure.
- 3a) For signal at end of stroke.
 1. Remove air pressure & place rod at end of stroke.
 2. Adjust switch inward from end cap until LED glows, clamp.
- 3b) For intermediate point of signal.
 1. Follow above procedure with load positioned at desired operating point.
 2. Cycle to check operating point, adjust as required.

ACTUATOR SWITCH PLACEMENT



- 4) To adjust speed "F" option.
 Flow controls may be built in ("F" option) or external (not supplied by Rotomation, Inc.)
 To adjust built in controls:
 1. Loosen jam nut.
 2. Tighten needle to reduce speed, loosen to increase speed. Make small adjustments.
 3. Tighten jam nut while holding needle steady.
- 5) Adjust Cushion "C" option.
 1. Loosen jam nut.
 2. Tighten needle to increase stiffness of cushion, loosen to decrease. If cushion causes bounce, loosen needle.
 3. Tighten jam nut while holding needle steady.

SWITCH LEADS

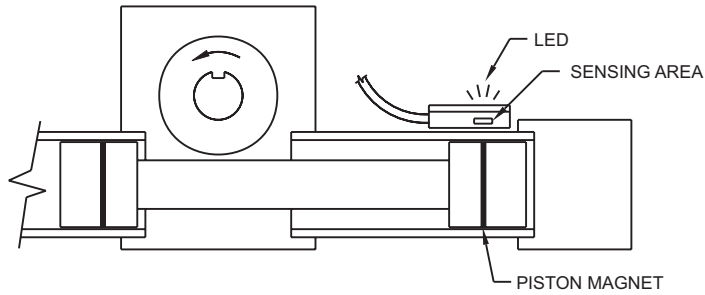
	OPTION	LEAD
Standard Lead	RL, SL	9", end stripped
Connection option	RC, SC	6" pigtail with male connector

EXTENSION CABLES (PURCHASE SEPARATELY)

PART NUMBER	DESCRIPTION
CC2	2 m cable, female connector one end, stripped other end.
CC5	5 m cable, female connector one end, stripped other end.

- KEEP MAGNETIC MATERIAL AWAY -

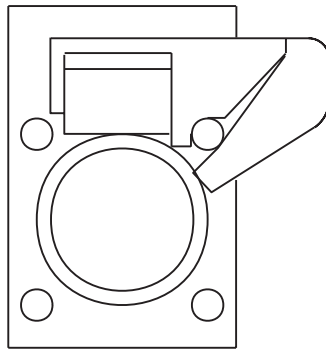
SENSING



APPROACHING PISTON MAGNET ACTIVATES SENSOR, OPERATES SWITCH AND LED.
PLACE SWITCH AS CLOSE AS POSSIBLE TO END CAP FOR CORRECT OPERATING POSITION.

SWITCH MOUNTING

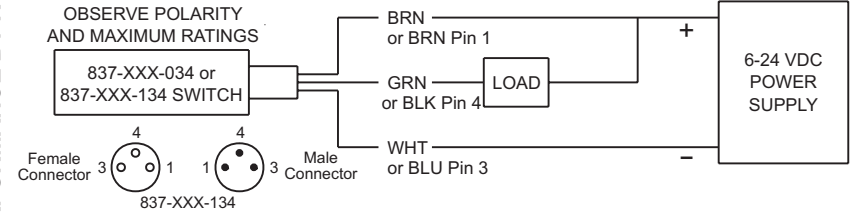
TIE ROD CLAMP



SERIES PA01
ROTARY AND LINEAR

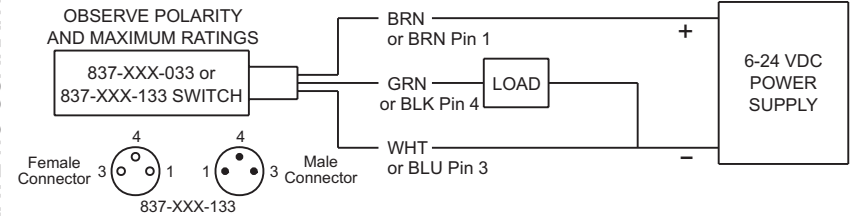
ROTOMATION SINKING (NPN) SWITCH - OPTION R

DESCRIPTION AND RATING
NO, sinking (NPN), LED
Switching voltage 6 to 24 VDC
Switching current .5 a, max.
Switching power 12 w, max.
Voltage drop .5 V
Temperature range -30 to +80C
Environment Resistant to moisture, dust, oil



ROTOMATION SOURCING (PNP) SWITCH - OPTION S

DESCRIPTION AND RATING
NO, sourcing (PNP), LED
Switching voltage 6 to 24 VDC
Switching current .5 a, max.
Switching power 12 w, max.
Voltage drop .5 V
Temperature range -30 to +80C
Environment Resistant to moisture, dust, oil



ROTOMATION TESTS ALL SWITCHES FOR PROPER FUNCTION BEFORE SHIPMENT AND CANNOT REPLACE THEREAFTER.
SWITCHES OF OTHER MANUFACTURE HAVE NO GUARANTEE OF COMPATIBLE PERFORMANCE BY ROTOMATION, INC.