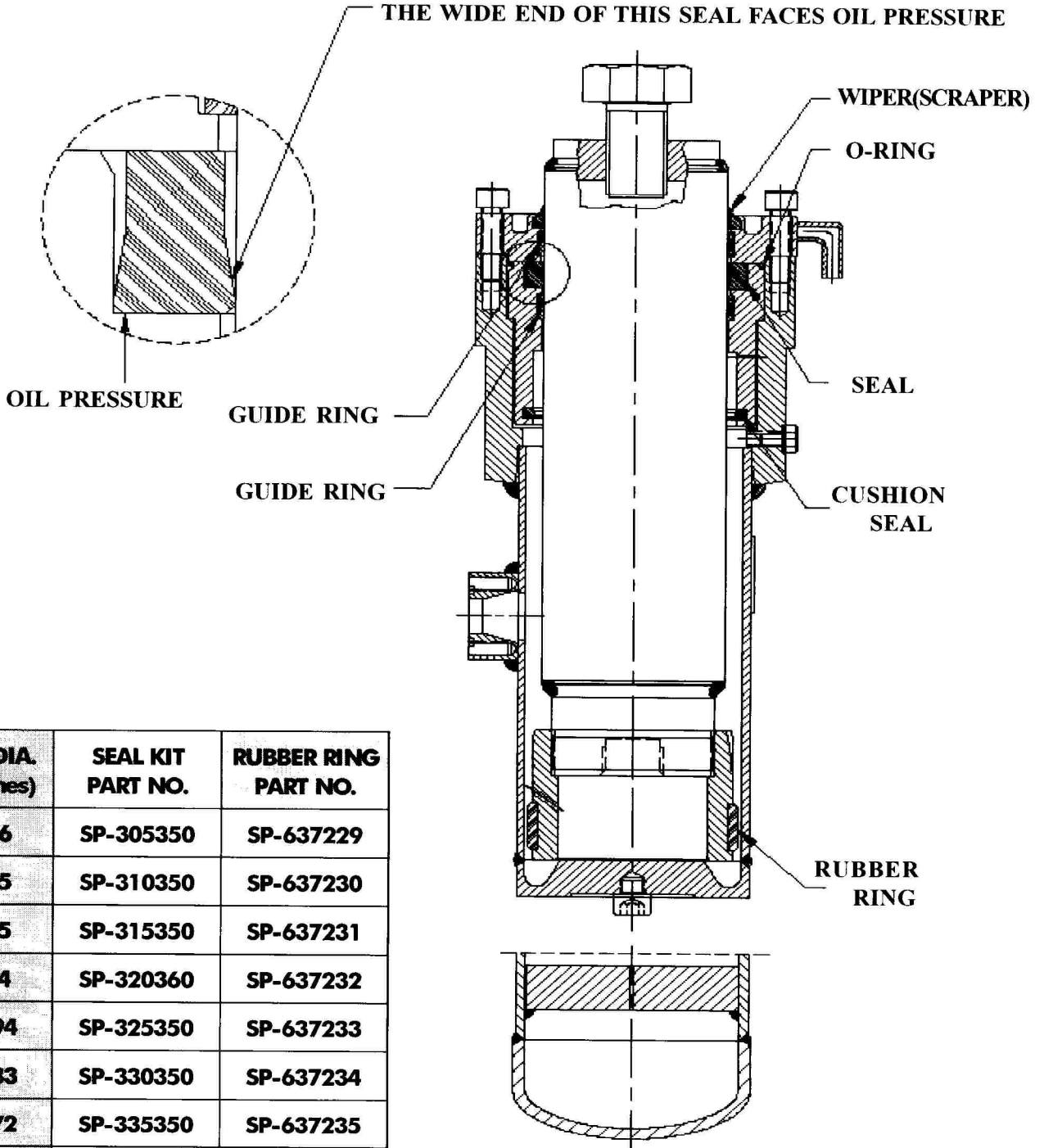


PLEASE NOTE SEAL ARRANGEMENT:
THE WIDE END OF THIS SEAL FACES OIL PRESSURE



PISTON DIA. (mm/inches)	SEAL KIT PART NO.	RUBBER RING PART NO.
60/2.36	SP-305350	SP-637229
70/2.75	SP-310350	SP-637230
80/3.15	SP-315350	SP-637231
90/3.54	SP-320360	SP-637232
100/3.94	SP-325350	SP-637233
110/4.33	SP-330350	SP-637234
120/4.72	SP-335350	SP-637235
130/5.12	SP-340350	SP-637236
140/5.50	SP-350350	SP-637278
150/5.90	SP-345350	SP-637237
180/7.08	SP-300280	SP-637273
200/7.87	SP-300281	SP-637274
238/9.37	SP-300282	SP-637275

INCLUDED IN SEAL KIT:

- 1-SEAL
- 1-WIPER
- 2-GUIDE RINGS
- 1-O-RING
- 1-CUSHION SEAL

RUBBER RING SOLD SEPARATELY

SEAL KIT ARRANGEMENTS FOR SINGLE STAGE JACKS

Data Sheet 4.26
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SCOPE: SINGLE STAGE JACKS
60 mm to 238 mm 1:1 Direct and 2:1 Indirect

IMPORTANT NOTES

1. Two mechanics must be present at all times when changing seals, one fully qualified elevator mechanic and one mechanic helper.
2. The following instructions are a guide only. It is the responsibility of the mechanics to perform this procedure safely.
3. Pressure must be evacuated from the system prior to changing seals.
4. Adequate blocking or suspension of car shall be made to ensure a safe work place.

INSTRUCTIONS

STEP 1

Inspect piston (ram) for any damage, scratches, score marks or slight nicks. The damage must be removed prior to changing seals, using a 12" smooth flat file, 180 and 240 grit emery cloth. Bad damage can be removed using file on a 45 degree angle to the center line of piston, finish the surface with emery cloth.

STEP 2

Block or suspend car making a safe work place. Clamp sheave to rail for 2:1 indirect systems. Locate car in a convenient location for changing seals.

STEP 3

Disconnect piston from car or sheave and lower piston from car or sheave using manual lowering until piston is fully collapsed.

STEP 4

Remove pressure from the system by pressing manual down valve.

STEP 5

Remove flange head screws with the appropriate allen wrench as detailed below:

Piston Diameters 60mm 70mm 80mm allen wench size 6 mm

Piston Diameters 90mm 100mm 110mm allen wench size 8 mm

Piston Diameters 120mm 130mm 140mm 150mm allen wrench size 10 mm

STEP 6

Flange can now be removed. A flat screwdriver may be required to help in removing the flange.

STEP 7

Clean flange and remove scraper and guide ring from flange.

(FOR DIAGRAM SEE DATA SHEET 4.30)

SEAL REPLACEMENT PROCEDURE FOR SINGLE STAGE JACKS

Data Sheet 4.28
April 17 2006

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