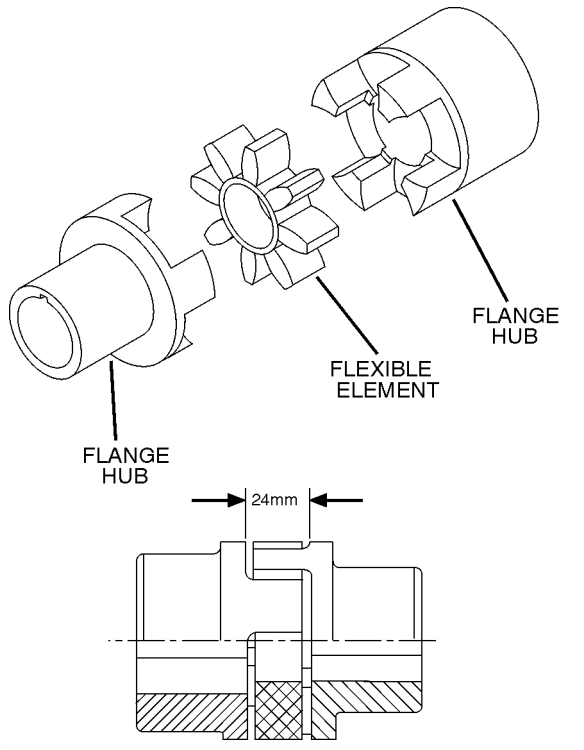


Section 8 MAINTENANCE

Figure 8-6 Hub Separation



wrenches. All ES-8 compressors are flange-mounted to the motor making them self-aligning, eliminating the need for alignment procedures. Proper hub separation is shown in Figure 8-6.

INLET CONTROL VALVE

Refer to Figure 8-7. The inlet control valve normal maintenance requires only the replacement of the o-rings. Use repair kit no. 02250050-614 and follow the procedure below for proper disassembly and assembly procedures.

⚠ WARNING

Before doing compressor maintenance, disconnect compressor from power source and lock out power source. Isolate compressor from line pressure by closing recommended discharge shut-off valve and releasing all internal pressure from compressor.

⚠ WARNING

Assure that line pressure gauge on compressor indicates "ZERO" pressure before any work is done. Failure to comply can cause injury.

1. Remove the two (2) rear access panels which cover the inlet valve assembly.
2. Identify and tag the plastic lines connected to the blowdown valve and disconnect.

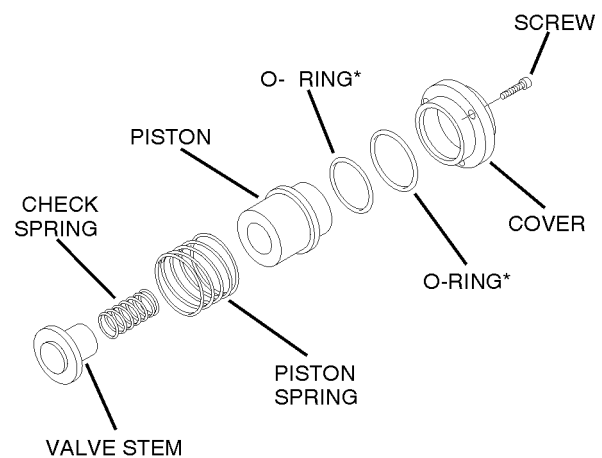
3. Remove the 3 capscrews from the inlet valve cover.
4. Remove cover (with blowdown valve attached) and o-rings.
5. Remove piston, piston spring, check spring and valve stem.
6. Inspect and clean all parts.
7. Assemble valve stem, check spring, piston spring and piston into inlet valve housing.
8. Lubricate new o-rings and install the inner and outer o-rings onto cover.
9. Position cover in inlet valve housing and install capscrews. Tighten capscrews to 6 ft.-lbs. (8.1Nm).
10. Reconnect the plastic lines to the appropriate fittings on the valve.
11. Assemble two (2) rear access panels on the compressor.
12. Start compressor and check for leaks.

CONTROL SYSTEM ADJUSTMENT- ELECTRO-MECHANICAL

Refer to Figure 8-8. Prior to adjusting the Control System, it is necessary to determine the desired operating pressure range and also the maximum pressure at which your compressor is to operate. The pressure must not exceed the maximum operating pressure which is stamped on the compressor serial number nameplate. The following explanation applies to a typical installation with a desired operating range of 100 to 110 psig (6.9 to 7.6 bar). This information will apply to a compressor with any other operating range excepting the stated pressures.

Remove the cover of the pressure switch. With the shut-off valve closed (or slightly cracked open) start the compressor. Observe the line pressure gauge and pressure switch contacts. When the line pressure reaches 110 psig (7.6 bar), the pressure switch contacts should open. If the pressure switch con-

Figure 8-7 Inlet Control Valve



* Repair Kit P/N 02250050-614

ILLUSTRATIONS AND PARTS LIST

10.1 PROCEDURE FOR ORDERING PARTS

Parts should be ordered from the nearest Sullair Representative or the Representative from whom the compressor/dryer was purchased. If for any reason parts cannot be obtained in this manner, contact the factory directly at the addresses, phone or fax numbers below.

When ordering parts always indicate the **Serial Number** of the compressor/dryer. This can be obtained from the Bill of Lading for the compressor/dryer or from the Serial Number Plate located on the compressor/dryer.

The genuine Sullair service parts listed meet or exceed the demands of this compressor. Use of replacement parts other than those approved by Sullair Corporation may lead to hazardous conditions over which Sullair Corporation has no control. Such conditions include, but are not limited to, bodily injury and compressor failure.

SULLAIR ASIA, LTD.
Sullair Road, No. 1
Chiwan, Shekou
Shenzhen, Guangdong PRV.
PRC POST CODE 518068
Telephone: 755-6851686
Fax: 755-6853473

SULLAIR EUROPE, S.A.
Zone Des Granges BP 82
42602 Montbrison Cedex, France
Telephone: 33-477968470
Fax: 33-477968499

SULLAIR CORPORATION
3700 East Michigan Boulevard
Michigan City, Indiana 46360 U.S.A.
Telephone: 1-219-879-5451
Fax: (219) 874-1273
Fax: (219) 874-1835 (Parts)
Fax: (219) 874-1288 (Service)

10.2 RECOMMENDED SPARE PARTS LIST

DESCRIPTION	KIT NUMBER	QUANTITY
repair kit for fluid filter 250026-982	02250050-602	1
repair kit for air/fluid separator	02250106-791	1
repair kit for air filter 02250107-327	043334	1
repair kit for shaft seal	02250061-961	1
tool kit, shaft seal	001932-005	1
replacement element for thermal valve	045764	1
replacement kit for coil 250028-809	250028-387	1
repair kit for pressure regulator valve 250017-280	250019-435	1
repair kit for inlet control valve	02250050-614	1
replacement coil for solenoid valve 250030-164	250035-292	1
repair kit for solenoid valve 250030-164	250038-849	1
repair kit for minimum pressure/check valve	02250050-612	1
repair kits for separator filter 02250052-689		
Sauto drain kit	250031-245	2
Ssight glass kit	250024-295	2
So-ring kit	02250056-270	2
repair kit for MPF filter 250024-361	250024-427	1
replacement element for coupling 250042-728	02250048-344	1
fluid, Sullube (five gallons)	250022-669	1
manual, Sequencing & Protocol (I)	02250057-696	1

(I) This document is required to program your personal computer to communicate with the Supervisor II panel.

PLEASE NOTE: WHEN ORDERING PARTS, INDICATE SERIAL NUMBER OF COMPRESSOR