

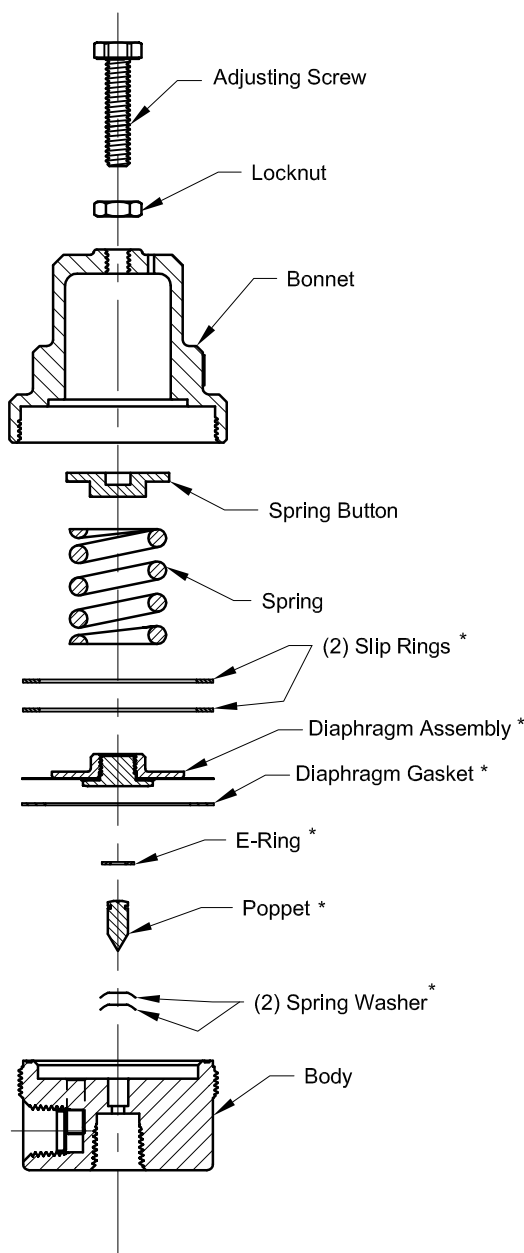
REGO IS A LEADING MANUFACTURER OF GAS AND CRYOGENIC VALVES, REGULATORS AND RELIEF VALVES FOR GAS AND CRYOGENIC STORAGE/DISTRIBUTION SYSTEMS.

ECL-80 Repair Kit

for ECL Cryogenic Economizers

WARNING: Only qualified personnel may perform installation, disassembly, repair and maintenance. All gas must be safely evacuated from the system before starting repairs.

CAUTION: Avoiding the inhalation of, or skin contact with compressed and cryogenic gases is advised. Many of these gases can cause asphyxiation, serious injury, or death. See MSDS for specific information regarding the safe handling of the service gas. Evacuation of gas should take place in a well ventilated area to ensure dispersion. Keep gases far away from open flames or other sources of ignition to prevent fire or explosion.



* Included in Repair Kit ECL-80 and ECL-80A.

Disassembly and Repair Procedure:

CAUTION: Economizer must be removed from system before starting repairs. Economizers must never be repaired while installed in the system. All repaired economizers must be properly bench tested for performance and leakage before being placed back in operation. Do not repair any economizer if proper bench testing is not available. All parts included in the repair kit must be used, and the instructions followed. Failure to use all parts, follow all instructions and bench test the repaired economizer will probably result in faulty performance.

Disassembly:

1. Clamp wrenching flats of economizer body securely in vise with bonnet facing upward.
2. Loosen locknut on adjusting screw and loosen tension on adjusting screw.
3. Using a 1 1/2" wrench, remove bonnet from body by turning counterclockwise. Save for reassembly.
4. Remove spring button, spring, slip rings, diaphragm assembly, and diaphragm gasket. Discard diaphragm assembly, slip rings and gasket save other parts for reassembly.
5. Remove and discard poppet assembly and spring washers.

CAUTION: Do not scratch or mar internal surfaces of economizer. Inspect valve body and clean if necessary. Be sure interior is free of dirt, residue, and foreign particles. Be sure assembly is in good repair.

Reassembly:

1. Place spring washers over center hole of body cavity. Orient so that the high points are parallel with 2 inlet holes.
2. Press E-ring into recessed area of poppet.
3. Place poppet assembly in center hole through spring washers. Position assembly so that sides of E-ring are supported by high points of spring washer.
4. Align new gasket, new diaphragm, and new slip rings onto top of body.
5. Place spring on top of assembly followed by spring button with extrusion down into spring.
6. Carefully, not disturbing alignment, screw bonnet clockwise hand tight.
7. Tighten bonnet onto body with a 1 1/2" wrench to 45-50 ft-lbs torque.

Economizer repairs are now complete, but economizer **MUST** be bench tested for performance and leakage before it is allowed to be placed back in operation.

NOTICE: RegO® does not recommend field repair of economizers. Factory equipment, trained personnel and technical supervision which should be employed are rarely available for field repairs. More economy and safety will result from replacing old, worn out economizers with newly manufactured products.