

VariStroke I Silver Level Service Program

Announcement

Woodward Authorized Independent Service Facilities (AISFs) can now apply to be an authorized VariStroke I Silver Level Service Facility, which allows the AISFs to fully repair and overhaul the VariStroke I. The qualification certification has been obtained after Gold unit validation overhaul and test verified to Woodward's production test procedure and specifications and an online test for the AISFs technicians. These certifications allow the AISFs to purchase all Woodward VariStroke I repair kits going forward.

Program Authorization Procedure

To become authorized as a VariStroke I Silver Level Service Facility:

1. Contact your account manager to request access to the Silver Level Service Folder on the Woodward Collaboration SharePoint Site
2. Purchase a VariStroke I Silver Repair/Overhaul Tool Kit 8923-2375
 - a. Provide your Woodward customer service representative (CSR) with shipping address for Tool Kit 8923-2375
3. Utilizing VariStroke I Silver Repair/Overhaul Tool Kit 8923-2375 to disassemble, reassemble and calibrate a VariStroke I Gold unit according the various steps in the CMM. Contact your account manager to request a Gold unit test, unit will be supplied by Woodward. Repair kits to perform the certification service will be issued by Woodward. Parts removed during the certification service will be returned by the AISF for use in other certification service processes.
 - a. During the Gold unit verification the AISF has to use CD-REPAIR in E-Business for the serial number transaction, service type and upload the repair report created for this overhaul.
 - b. Send the overhauled and calibrated VariStroke I Gold unit to Rik Bergman @ 1041 Woodward Way, Fort Collins CO 80524, USA
 - c. Woodward's VariStroke I product support team will then validate and verify the Qualification VariStroke I Gold unit to Woodward's production test procedure and specifications.
4. When the VariStroke I Gold unit passes Woodward's qualification/production tests then Woodward will send AISF a formal VariStroke I Silver Level Service Facility Qualification letter.
5. When the AISFs technicians have successfully completed the on-line technician test, Woodward will send AISF a formal VariStroke I Silver Level Service Technician Qualification Certificate for each technician and AISF will be allowed to purchase all VariStroke I Repair Kits going forward.

Required VariStroke I Test Stand Capabilities

Required Hydraulic Flow Skid Capability:

- Pressure Output Range: 10 – 34.5 bar (145 – 500 psi)
- Maximum Flow Rate: 30 L/min (8 gpm)
- Pressure Stability at flow point: ± 0.35 bar (5 psi) (low end), ± 0.67 bar (10 psi) (high end)
- Oil Viscosity 20-100 Centistokes
- Supply Oil Temperature 32-49 C

Required Electrical Power Supply Capability (to power VariStroke I): 24Vdc, and 8A

Required Variable Current Source Capability: 4-20mA

REPAIR/OVERHAUL TOOL Kit: 8923-2375

Repair/Overhaul Tool Kit: 8923-2375 includes:

- Upper bearing and sleeve assembly tool
- Stator guide
- Rotor installation tool
- Spool support plate
- Lip seal installation tool
- Sleeve installation tool
- Sleeve insert pusher (3x)
- Magnet protector
- Lip seal pusher
- Lower bearing sleeve bullet tool
- Quick release pins
- Servo leak test

Service Software and latest firmware are available on the SharePoint site

Available VariStroke I Repair Kits

The following VariStroke I repair kits are available for purchase:

Kit Description	Kit Part Number
Replacement PCBA Kit – Integrated Version	8935-1212
Replacement Stator Kit	8935-1258
Replacement Spool and Sleeve Kit (Including 8934-1214)	8935-1213
Replacement Soft Components Kit	8935-1214
Replacement Servo Valve and Manifold kit – Integrated Version	Varies per size*
Replacement Servo Valve Kit – Remote Version	Varies per size*
Replacement Cylinder Seal Kit	Varies per size*
Replacement Cylinder Position Sensor Kit	Varies per size*
Replacement Torsional spring kit	Varies per size*

*See *Bronze Kits* for size appropriate for your VariStroke I

Contact your account manager or Rik Bergman at Rik.Bergman@woodward.com for related questions or concerns.



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**Woodward has company-owned plants, subsidiaries, and branches,
as well as authorized distributors and other authorized service and sales facilities throughout the world.**

Complete address / phone / fax / email information for all locations is available on our website.