

No.	DESCRIPTION
1	CONTACT BOLT
2	O-RING (7.5MM X 1.5)
3	PLUNGER
4	SPRING
5	WIPER
6	BODY
7	O-RING (23.6MM X 2.65)
8	COLLET ASSY
9	SPRING
10	SPRING
11	RETAINER
12	O-RING (28.5MM X 2)
13	O-RING (-026)
14	BREATHER
15	BONDED SEAL
16	O-RING (6.8MM X 1.9)
17	MANIFOLD PLUG
18	O-RING (-015)
19	PISTON
20	O-RING (6.7MM X 1.8)
21	PLUG
22	BASE
23	WASHER
24	SHCS

TOOL LIST

- 11mm & 13mm Open End Wrench
- 2.5mm & 3mm Hex Key
- 32mm Socket

INSTALLATION INSTRUCTIONS



VEKTEK, INC.
 1334 E. SIXTH AVE. P.O. BOX 625
 EMPORIA, KS. 66801 U.S.A.

D	3849	RELEASE	MJUST	7/3/19
REV	IN ACCORDANCE WITH ECN	EFFECTIVE DATE	REVISED BY	DATE
DRW BY:	N. KARRAS	DRAWING STATUS: Released		
DATE:	3/11/14	PRODUCTION APPROVED FOR RELEASED STATUS ONLY		

ASSEMBLIES AFFECTED
LI-0415-00H
LI-0415-00L
LI-0615-00H
LI-0615-00L

INSTRUCTION SHEET, WS, TWPo, CW/BM, FA, S.5kN	
SIZE A	ISL1006
REV D	

Read all instructions before disassembly
Refer to the illustration on page 1 for component part numbers and tool list


Disassembly
Model Number L1-0415-00H & L1-0415-00L

1. Using a 32mm socket, unscrew work support from fixture or base (22). Wipe clean to remove external contaminants.
2. Remove O-ring (18) from retainer (11) s'face or cavity. Be careful not to damage retainer (11) face.
3. Remove O-ring (13) from fixture or base (22) cavity.
4. With 13mm wrench at plunger (3) and 11mm wrench at contact bolt (1), unscrew contact bolt (1) from plunger (3). Remove O-ring (2) from contact bolt (1).
5. Remove contact spring (4) from inside plunger (3).
6. Insert 3mm hex key into piston (19) from bottom of work support to prevent turning. Insert 2.5mm hex key into cap screw (24) inside plunger (3) and unscrew cap screw (24). Remove cap screw (24) and washer (23) from inside plunger (3). NOTE: PISTON (19) IS LOOSE AND NO LONGER FASTENED TO THE ASSEMBLY.
7. Remove piston (19) and return spring (10) from inside retainer (11). Remove O-ring (20) from piston (19). CAUTION: RETURN SPRING (10) AND CONTACT SPRING (4) ARE NOT INTERCHANGEABLE, NOTE LOCATION AND KEEP SEPARATE FOR REASSEMBLY
8. Gently slide plunger (3) out from top of work support.
9. Remove wiper (5) from top of body (6). Be careful not to damage wiper bore or bore below wiper (5). To assist holding body (6) during wiper (5) removal, body (6) may be threaded into base (22) or fixture, be careful not to damage the body (6) or retainer (11) face.
10. Thoroughly clean contact bolt (1), contact spring (4), plunger (3), cap screw (24), washer (23), piston (19), return spring (10) and set aside to dry.
11. Wipe clean retainer (11) face located on bottom of work support. Wipe clean wiper bore located in body at top of work support.
12. Wipe clean work support cavity in fixture.

Model Number L1-0615-00H & L1-0615-00L

13. Remove work support base (22) from fixture and complete disassembly steps 1-11.
14. If work support hydraulics or vent is manifold fed from fixture, remove O-ring (16) from manifold s'face on base (22) mounting face (2 places).
15. If work support hydraulics or vent is not manifold fed, insert 3mm hex key into plug (17) located at base (22) mounting face and unscrew plug (17) (2 places). Remove bonded seal (15) from plug (17).
16. Thoroughly clean base (22), plugs (17) and set aside to dry.

Caution: Do not expose work support clamping mechanism (8) located above retainer (11) to any type of cleaning solutions. Removal of retainer (11) or clamping mechanism (8) terminates product warranty.

		
VEKTEK, INC. 1334 E. SIXTH AVE. P.O. BOX 625 EMPORIA, KS. 66801 U.S.A.		
INSTRUCTION SHEET, WS, TWPo, CW/BM, FA, S.5&N		
SIZE A	ISL1006	REV D
FORM FEG041-1S.AS1ZE, REV. B		

1

2

Assembly

Model Number L1-0415-00H & L1-0415-00L

1. Lubricate new O-rings (2),(13),(18),(20) and outside diameter of new wiper (5) with clean hydraulic oil (Vektek 65-0010-01 or equivalent). Also, apply light film of hydraulic oil to outside surface of plunger (3)
2. Press wiper (5) into top of body (6) taking extra care to install squarely without excess force. CAUTION: IMPROPER INSTALLATION COULD DAMAGE WIPER (5) CAUSING EXCESS WIPER DRAG.
3. Gently install plunger (3) into work support through wiper (5) taking care not to damage wiper (5). Plunger (3) should move freely without binding. Lightly push plunger (3) downward until bottoms.
4. Install O-ring (20) onto piston (19).
5. Slide return spring (10) onto piston (19) and insert piston (19) and return spring (10) into retainer (11) bore. Insert 3mm hex key into piston (19) and push inward to compress return spring (10). While holding piston (19) and return spring (10) in compressed position place washer (23) onto cap screw (24) and drop thread side down into hole through top of plunger (3). Insert 2.5mm hex key into cap screw (24) and torque to 2.5 N-m (20 in-lb). CAUTION: RETURN SPRING (10) AND CONTACT SPRING (4) ARE NOT INTERCHANGEABLE, NOTE LOCATION AND KEEP SEPARATE FOR REASSEMBLY.
6. Insert contact spring (4) into hole through top of plunger (3). Contact spring (4) will pilot onto cap screw (24).
7. Install O-ring (2) onto contact bolt (1).
8. Screw contact bolt (1) into top of plunger (3). With 13mm wrench at plunger (3) and 11mm wrench at contact bolt (1) torque to 9 N-m (80 in-lb).
9. Install O-ring (18) into retainer (11) s'face.
10. Install O-ring (13) into bottom of fixture cavity.
11. Using 32mm socket, screw work support into fixture cavity. Torque to 40 N-m (30 ft-lb).

Model Number L1-0615-00H & L1-0615-00L

12. Complete assembly steps 1 - 9.
13. Install O-ring (13) into bottom of base (22) cavity.
14. Using 32mm socket, screw work support into base (22) cavity. Torque to 40 n-m (30 ft-lb).
15. If work support hydraulics or vent is manifold fed from fixture, install new O-ring (16) into manifold s'face on base (22) mounting face (2 places).
16. If work support hydraulics or vent is not manifold fed, install bonded seal (15) onto plug (17), insert 3mm hex key into plug (17) and torque to 3 N-m (25 in-lb) (2 places).



VEKTEK, INC.
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INSTRUCTION SHEET, WS, 7MPo, CW/BM, FA, 5.5kN

SIZE
A

ISL1006

REV
B

1

2

FORM FEG041-1S-ASIZE, REV. B

SHEET 3 OF 3