



WIRELINE ADAPTER KIT

FOR VSI-X AND VSI-X HT PACKER

5-1/2" X 2-7/8"

Manual No:
DL-971-5500-631

Revision: **B**

Revision Date:
12/12/2018

Authored by: J.Anderson

Approved by: B.Oligschlaeger

A) DESCRIPTION

The Wireline Adapter Kit (WLAK) for VSI-X Packers and VSI-X HT Packers is used with a stinger to set VSI-X Packers and VSI-X HT Packers on electric wireline or with a hydraulic setting assembly on tubing. The WLAK is designed to be used on a Baker E-4 wireline powder charge, hydraulic setting assembly or any setting assembly with the same configuration.

When used with a Profile Stinger, the plug-in-place design allows the running of a profile blanking plug to be run in place to convert the packer to a temporary Bridge Plug. Use of a profile blanking plug also reduces debris build-up and eliminates the need to run Profile Nipples or Pump-Out Plugs below the packer.

The WLAK automatically disconnects from the packer during packer setting to be easily retrieved and prepared to run again.

NOTE₁: Refer to applicable VSI-X Packer and VSI-X HT Packer technical manuals for packer specific technical information including operating procedures and packer disassembly and assembly.

NOTE₂: Stinger sold separately.

B) SPECIFICATION GUIDE

CASING SIZE (INCHES)	TUBING OD (INCHES)	TOOL OD (INCHES)	PRESSURE SETTING TOOL	PART NUMBER
5-1/2	2.875	4.400	#20 BAKER E-4	97151

C) OPERATING PROCEDURES

Assemble WLAK to packer and pressure setting assembly. Run assembly to the desired depth. Follow pressure setting assembly manufacturer's procedures for setting equipment. The WLAK disconnects from the packer as part of the setting procedure. After setting packer, retrieve setting assembly and disassemble.

NOTE₂: Ensure J-pin on packer is positioned on tension shoulder of J-slot on packer prior to running tool.

D) RECOMMENDED HAND TOOLS

- VISE
- GLOVES
- ALLEN WRENCHES
- TAPE MEASURE
- O-RING PICK
- BAR
 - 1/2-INCH
 - 3/4-INCH
- PAINT BRUSH, 2-INCH
- PIPE WRENCH, 3-FT (2 EA)
- "CHEATER" PIPE, 4-FT LONG
- ADJUSTABLE WRENCH, 12-INCH
- CORDLESS DRILL, 18V
- SNAP RING SPREADER PLIERS
- ALIGNING PUNCH
- SCREWDRIVER SET, FLAT-TIPPED
- SOCKET SETS
 - 3/8-INCH DRIVE
 - 1/2-INCH DRIVE
- HAMMERS
 - SLEDGE
 - BALL PEEN
 - DEAD BLOW

D & L OIL TOOLS
P.O. BOX 52220 TULSA, OK 74152
PHONE: (800) 441-3504 www.dloiltools.com



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E) ASSEMBLY ONTO PRESSURE SETTING ASSEMBLY AND VSI-X AND VSI-X HT PACKER

NOTE₄: Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order and orientation.

E-1) Install setting sleeve (2) over lower end of pressure setting assembly.

NOTE₅: Pressure setting assembly is not part of WLAK and is not shown.

E-2) With setting sleeve (2) slid up out-of-way, screw outer adapter (1) into pressure setting assembly.

E-3) Screw set screws (6) into outer adapter (1)

E-4) Screw inner adapter (3) into pressure setting assembly.

E-5) Screw set screws (5) into inner adapter (3).

E-6) Screw stinger (ST) into top sub of packer.

E-7) With stinger (ST) installed in packer, stab stinger (ST) into bottom of inner adapter (3) with pins on stinger (ST) sliding into slots in lower part of inner adapter (3).

E-8) Align threaded holes of inner adaptor (1) with groove in stinger (ST). Screw shear screws (7) into inner adapter (3). Tighten until shear screws (7) contact stinger (ST). Back shear screws (7) out 1/4 turn.

E-9) Slide setting sleeve (2) down over outer adapter (1). Screw setting sleeve (2) onto outer adapter (1) until bottom of setting sleeve contacts spring cage of packer.

E-10) Screw set screws (4) into setting sleeve (2).

NOTE₂: Ensure J-pin on packer is positioned on tension shoulder of J-slot on packer prior to running tool.

F) DISASSEMBLY

NOTE₄: Pressure setting assembly is not part of WLAK and is not shown.

F-1) Unscrew and remove set screws (4) from setting sleeve (2).

F-2) Unscrew setting sleeve (2) from outer adapter (1). Move setting sleeve (2) up and out-of-way.

F-3) Unscrew and remove shear screws (7) from inner adapter (3).

F-4) Unscrew and remove set screws (5) from inner adapter (3).

F-5) Unscrew and remove inner adapter (3) from pressure setting assembly.

F-6) Unscrew and remove set screws (6) from outer adapter (1).

F-7) Unscrew and remove outer adapter (1) from pressure setting assembly.

F-8) Remove setting sleeve (2) from pressure setting assembly.



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G) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	P/N 97151
1	1	OUTER ADAPTER	DLMS110	97120102
2	1	SETTING SLEEVE	P-110/1026	60151470
3	1	INNER ADAPTOR	STEEL, MILD	60156460
4	2	SET SCREW 5/16-18 UNC X 5/16	STEEL	SSS031C031
5	2	SET SCREW 5/16-18 UNC X 3/8	STEEL	SSS031C037
6	2	SET SCREW 1/4-20 UNC X 3/16	STEEL	SSS025C018
7	8	SHEAR SCREW (5500#)	DLM360BRS	BSSSLT050C043
ST	1	2-7/8" STINGER	-	51027XXX*

*Stinger sold separately. Actual P/N varies depending on customer requirements.

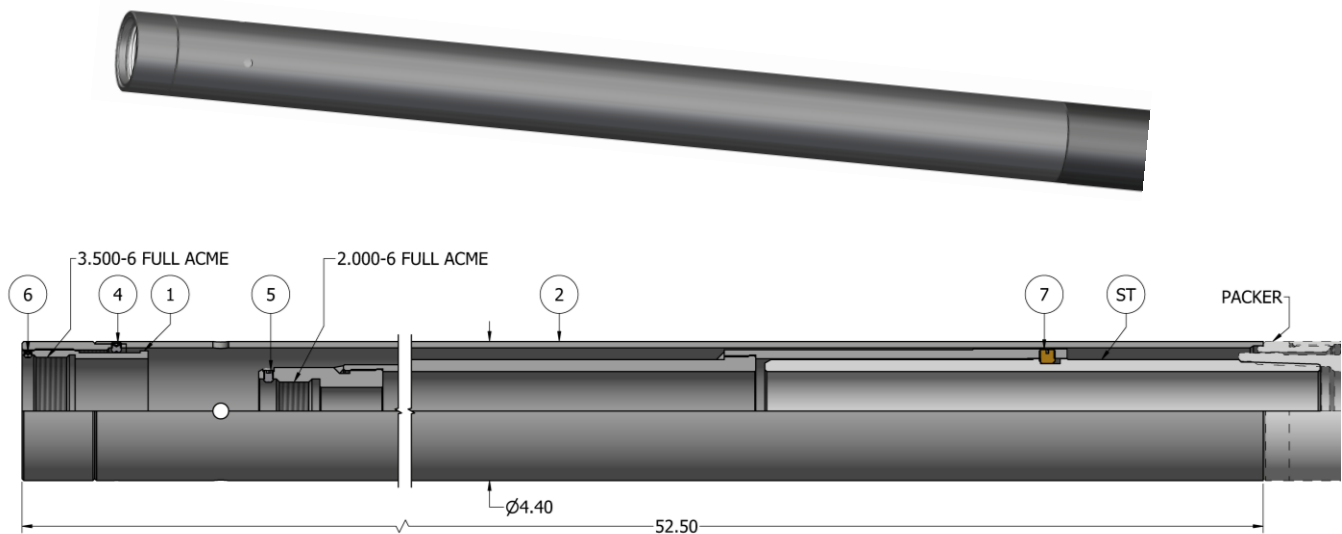
ASSEMBLED WEIGHT	79 LBS [†]
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[†]Assembled weight does not include stinger.

NOTE₆: Wireline pressure setting assembly sold separately by other manufacturer.

NOTE₇: Shear screws sold with Packer and Packer Redress Kit.

H) TECHNICAL ILLUSTRATION





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I) REVISION HISTORY

DATE	REVISION	DECEIPTION OF CHANGES	REVISED BY	APPROVED BY
12/12/2018	B	Added P/N BSSSLT050C043	J.Anderson	D.Hushbeck
10/31/2013	A	Created new manual	-	-