



WIRELINE ADAPTER KIT

FOR VSI-X AND VSI-X HT PACKER

3-1/2" X 1.315"

Manual No:
DL-971-3500-549

Revision: **A**

Revision Date:
04/15/2013

Authored by: J.Anderson

Approved by: H.Bringham

A) DESCRIPTION

The D&L 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 or 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
3-1/2	1.315	2.500	#5 BAKER E-4	97137

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.

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.dlmfg.com



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

NOTE₃: Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order and orientation.

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

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

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

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

E-4) With stinger (ST) installed in top of packer, slide stinger (ST) into bottom of inner adapter (3) with pins on stinger fitting into slots in lower part of inner adapter (3).

E-5) Align threaded holes of inner adaptor (1) with pocket holes in stinger (ST). Screw shear screws (SS) into inner adapter (3). Tighten until shear screws (SS) make contact with stinger (ST). Back shear screws (SS) out 1/4 turn.

E-6) Slide setting sleeve assembly (2) down over outer adapter (1). Screw setting sleeve assembly (2) onto outer adapter (1) until bottom of setting sleeve contacts spring cage of packer.

E-7) Screw set screws (4) into setting sleeve assembly (2).

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 assembly (2).

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

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

F-4) Unscrew and remove inner adapter (3) from pressure setting assembly.

F-5) Unscrew and remove outer adapter (1) from pressure setting assembly.

F-6) Remove setting sleeve assembly (2) from pressure setting assembly.

G) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	P/N 97137
1	1	OUTER ADAPTER	P-110	97105102
2	1	SETTING SLEEVE ASSEMBLY	1018/1026	60136470
3	1	INNER ADAPTER ASSEMBLY	-	60136460
4	2	SET SCREW 1/4-20 UNC X 3/8	STEEL	SSS025C037
SS	4	SHEAR SCREW (3000#)	BRASS	Refer to Packer technical manual
ST	1	1.315" STINGER	-	51013XXX*

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

ASSEMBLED WEIGHT	21 LBS [†]
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[†]Assembled weight does not include stinger.

NOTE₅: Wireline pressure setting assembly sold separately by other manufacturer.

NOTE₆: Shear screws sold with Packer and Packer Redress Kit.



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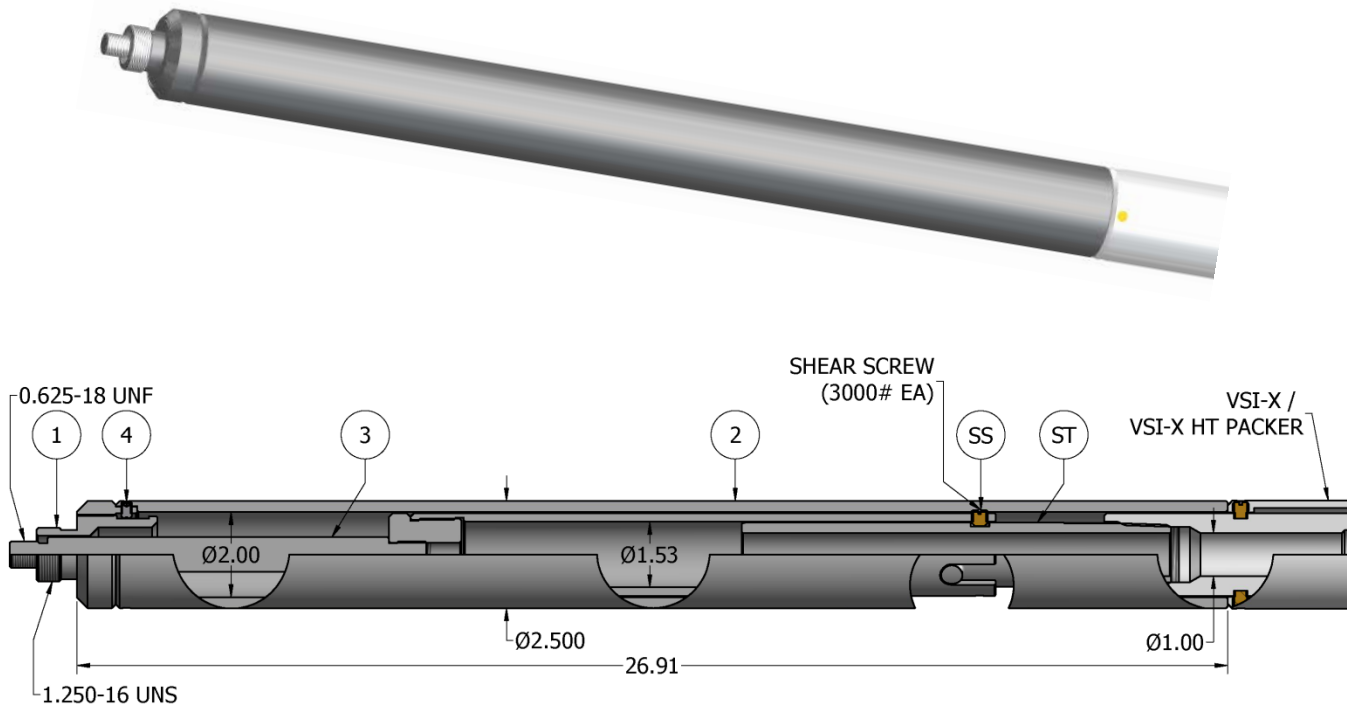
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H) TECHNICAL ILLUSTRATION



I) REVISION HISTORY

DATE	REVISION	DESCRIPTION OF CHANGES	REVISED BY	APPROVED BY
04/15/13	A	Created new technical manual;	J.Anderson	H.Bringham