



# WIRELINE ADAPTER KIT

FOR VSI-X AND VSI-X HT PACKER  
8-5/8" THROUGH 10-3/4" X 4-1/2"

Manual No:  
**DL-971-8625-546**

Revision: **A**

Revision Date:  
**03/12/2013**

Authored by: J.Anderson

Approved by: D.Hushbeck

## 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 D&L 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.

**NOTE<sub>1</sub>:** 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.

**NOTE<sub>2</sub>:** Stinger sold separately.

## B) SPECIFICATION GUIDE

CASING SIZE (INCHES)	TUBING OD (INCHES)	TOOL OD (INCHES)	PRESSURE SETTING TOOL	PART NUMBER
8-5/8 – 10-3/4	4-1/2	6.000	#20 BAKER E-4	97196

## 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

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

**NOTE<sub>3</sub>:** Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order and orientation.

E-1) Install setting sleeve assembly (3) over lower end of pressure setting assembly.

**NOTE<sub>4</sub>:** Pressure setting assembly is not part of WLAK and is not shown.

E-2) With setting sleeve assembly (3) slid up and out-of-the-way, screw outer adapter (1) onto pressure setting assembly.

E-3) Screw set screws (4) into outer adapter (1).

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



# WIRELINE ADAPTER KIT

FOR VSI-X AND VSI-X HT PACKER  
8-5/8" THROUGH 10-3/4" X 4-1/2"

Manual No:  
**DL-971-8625-546**

Revision: **A**

Revision Date:  
**03/12/2013**

Authored by: J.Anderson

Approved by: D.Hushbeck

## E) ASSEMBLY (cont'd)

- E-4) Screw inner adapter assembly (2) onto pressure setting assembly.
- E-5) Screw set screws (5) into inner adapter assembly (2).
- E-6) With stinger (ST) installed in top of packer, slide stinger (ST) into bottom of inner adapter assembly (2). Fit pins on stinger (ST) into slots in lower part of inner adapter assembly (2).
- E-7) Align threaded holes of inner adaptor (2) with groove in stinger (ST). Screw shear screws (SS) into inner adapter assembly (2). Tighten until shear screws (SS) make contact with stinger (ST). Back shear screws (SS) out 1/4 turn.
- E-8) Slide setting sleeve assembly (3) down over outer adapter (1). Screw setting sleeve assembly (3) onto outer adapter (1) until bottom of setting sleeve assembly (3) contacts spring cage cap of packer.
- E-9) Screw set screws (6) into setting sleeve assembly (3).

## F) DISASSEMBLY

**NOTE<sub>4</sub>:** Pressure setting assembly is not part of WLAK and is not shown.

- F-1) Unscrew and remove set screws (6) from setting sleeve assembly (3).
- F-2) Unscrew setting sleeve assembly (3) from outer adapter (1). Move setting sleeve assembly (3) up and out-of-the-way.
- F-3) Unscrew and remove shear screws (SS) from inner adapter assembly (2).
- F-4) Unscrew and remove set screws (5) from inner adapter assembly (2).
- F-5) Unscrew and remove inner adapter assembly (2) from pressure setting assembly.
- F-6) Unscrew and remove set screws (4) from outer adapter (1).
- F-7) Unscrew and remove outer adapter (1) from pressure setting assembly.
- F-8) Remove setting sleeve assembly (3) from pressure setting assembly.

## G) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	P/N 97196
1	1	OUTER ADAPTER	P-110	97120102
2	1	INNER ADAPTER ASSEMBLY	L-80	60195460
3	1	SETTING SLEEVE ASSEMBLY	1018	60195470
4	2	SET SCREW 1/4-20 UNC X 3/16	STEEL	SSS025C018
5	2	SET SCREW 5/16-18 UNC X 3/8	STEEL	SSS031C037
6	2	SET SCREW 5/16-18 UNC X 1"	STEEL	SSS031C100
SS	8	SHEAR SCREW (5500#) 1/2-13 UNC X 7/16	BRASS	Refer to Packer technical manual
ST	1	4-1/2" STINGER	-	51045XXX*

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

ASSEMBLED WEIGHT	119 LBS <sup>†</sup>
------------------	----------------------

<sup>†</sup>Assembled weight does not include stinger.

**NOTE<sub>5</sub>:** Wireline pressure setting assembly sold separately by other manufacturer.

**NOTE<sub>6</sub>:** Shear screws sold with Packer and Packer Redress Kit.



# WIRELINE ADAPTER KIT

FOR VSI-X AND VSI-X HT PACKER  
8-5/8" THROUGH 10-3/4" X 4-1/2"

Manual No:  
**DL-971-8625-546**

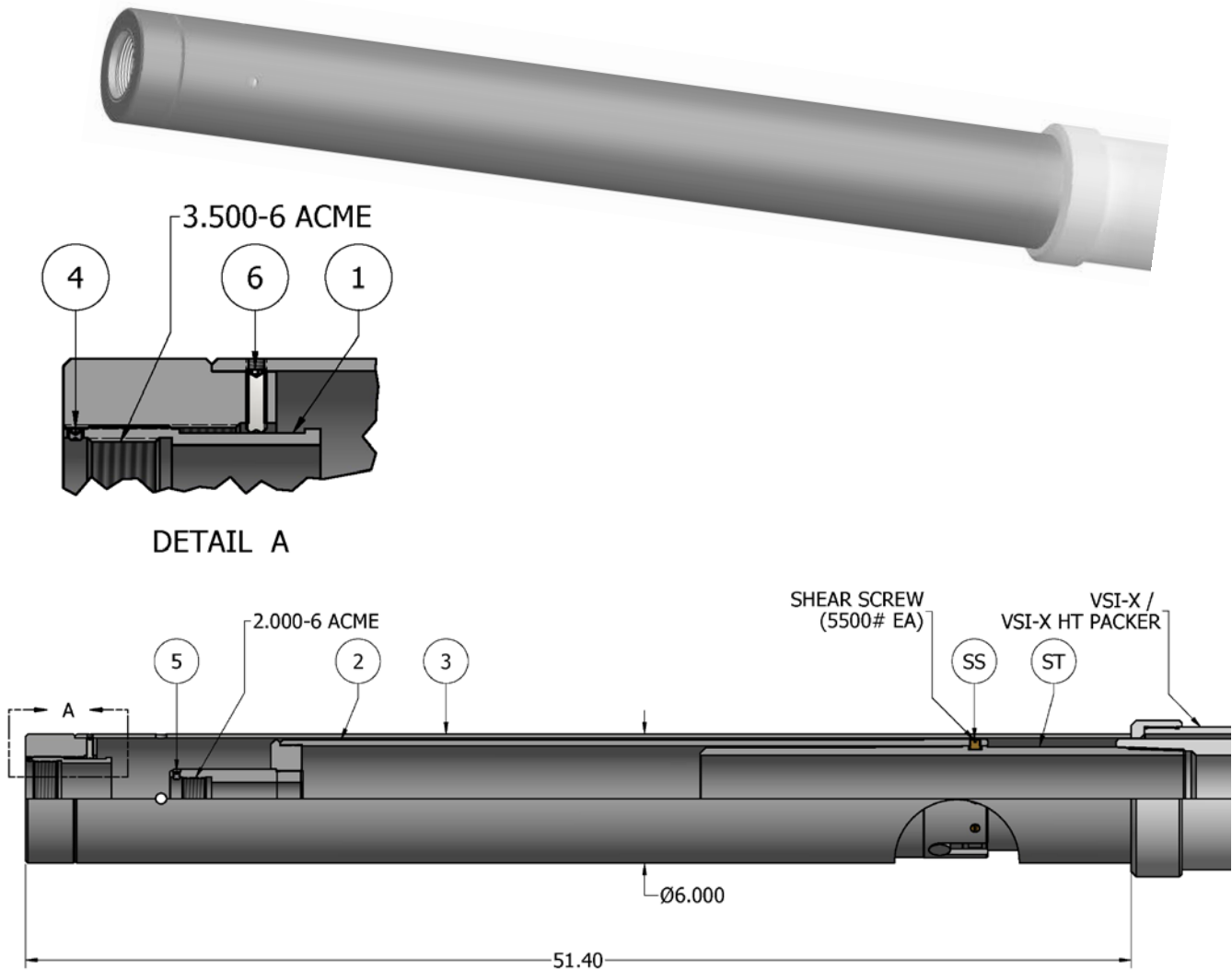
Revision: **A**

Revision Date:  
**03/12/2013**

Authored by: J.Anderson

Approved by: D.Hushbeck

## H) TECHNICAL ILLUSTRATION



## I) REVISION HISTORY

DATE	REVISION	DESCRIPTION OF CHANGES	REVISED BY	APPROVED BY
03/12/13	A	Created new technical manual;	J.Anderson	D.Hushbeck