



WIRELINER ADAPTER KIT

FOR SMALL BORE RSB PACKER

9-5/8" X 4.750"

Manual No:
DL-259-9625-756

Revision: **B**

Revision Date:
11/17/2022

Authored by: J.Anderson

Approved by: K.Riggs

A) DESCRIPTION

The Wireline Adapter Kit (WLAK) for Small Bore Retrievable Seal Bore (RSB) Packer is used set the packer on electric wireline or with a compatible 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.

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

NOTE1: Refer to applicable RSB Packer technical manual(s) for packer specific technical information including operating procedures and packer disassembly.

B) RELATED TOOLS (sold separately)

B-1) 9-5/8" X 4.750" Small Bore RSB Packer (P/N varies)—refer to applicable technical manual.

C) SPECIFICATION GUIDE

CASING SIZE (INCHES)	TOOL OD (INCHES)	PRESSURE SETTING TOOL	PART NUMBER
9-5/8	8.01	#20 BAKER E-4	25995

D) PRE-INSTALLATION INSPECTION PROCEDURES

CAUTION1: D&L ships tool connections made-up **HAND TIGHT**—labeled with hand-tight tape on the tool (Fig. 1)—unless stated otherwise. Tighten/torque all connections properly before operating tool.



Fig. 1

GENERAL THREAD CONNECTION TORQUE RECOMMENDATIONS			
STUB ACME / ACME THREADS	INTERNAL TAPERED TUBING THREADS		PREMIUM THREADS
	UP TO 2-3/8"	GREATER THAN 2-3/8"	
600 – 800 FT-LBS	600 – 800 FT-LBS	800 – 1,200 FT-LBS	Consult thread manufacturer's recommendations.

GENERAL SCREW TORQUE RECOMMENDATIONS									
SCREW SIZE (INCHES)	#6	#8	#10	1/4	5/16	3/8	7/16	1/2	5/8 and larger
TORQUE RANGE (INCH-POUNDS)	5 – 8	10 – 15	18 – 25	25 – 40	50 – 80	90 – 135	160 – 210	250 – 330	450 - 650

Before first use, D&L recommends disassembly and inspection of the tool unless stated otherwise. Ensure parts have not been damaged during shipping. Replace damaged parts with D&L replacement parts. Contact D&L sales for replacement part information.

Re-assemble the tool after inspection. Install parts in the correct order and orientation. Properly tighten connections.

Before re-using the tool, D&L recommends disassembly and inspection of the tool. Clean parts and ensure parts are in good working condition. Replace worn or damaged parts with D&L replacement parts.

When redressing the tool, D&L recommends replacement of all shear pins, etc. Contact D&L sales for replacement part information.

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



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E) 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.

F) STORAGE RECOMMENDATIONS

When preparing the tool for storage, follow the Pre-Installation Inspection Procedures. Re-assemble the tool with connections hand-tight only and in running position if applicable.

Store the tool, if possible, in an enclosed, temperature and humidity controlled environment. Avoid excessively high temperatures over long periods of time. Keep tool dry and protected from condensation. Do not store in contact with or near volatile or corrosive chemicals. Do not store near ozone generating equipment or operations such as welding.

G) 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

H) ASSEMBLY ONTO PRESSURE SETTING ASSEMBLY AND PACKER

NOTE2: Clean and inspect all parts. Replace all worn and damaged parts. Install parts in proper order, and orientation and tighten/torque all connections properly.

H-1) Install setting sleeve (1) onto pressure setting assembly.

H-2) Screw outer adapter (3) onto pressure setting assembly. Move setting sleeve (1) upwards on setting assembly as necessary to access threaded connection.

H-3) Screw set screws (5) into outer adapter (3).

H-4) Assemble inner adapter assembly and install into RSB packer:

H-4.1) Screw inner adapter flange (4) onto inner adapter mandrel (2).

H-4.2) Screw set screws (7) into inner adapter mandrel (2).

H-4.3) Unscrew and remove setting sleeve of RSB packer from packer.

H-4.4) Install inner adapter flange (4) into top sub of RSB packer.

H-4.5) Align holes in inner adapter flange (4) with holes in top sub of packer and install driv-lok pins (9).

H-4.6) Screw setting sleeve of RSB packer back onto packer.

H-5) Makeup WLAK and RSB packer assembly onto pressure setting assembly:

H-5.1) Screw inner adapter mandrel (2) onto pressure setting assembly.

H-5.2) Screw set screws (6) into inner adapter mandrel (2).

H-5.3) Slide setting sleeve (1) down on pressure setting assembly and screw onto outer adapter (3) until setting sleeve (1) shoulders up against upper seal bore of RSB packer.

H-5.4) Screw set screws (8) into setting sleeve (1).



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I) DISASSEMBLY FROM PRESSURE SETTING ASSEMBLY

NOTE₃: Pressure setting assembly is not part of WLAK and is not shown.

I-1) Unscrew and remove set screws (8) from setting sleeve (1).

I-2) Unscrew and remove setting sleeve (1) from pressure setting assembly.

I) DISASSEMBLY (cont'd)

I-3) Unscrew and remove set screws (7) from inner adapter flange (4).

I-4) Unscrew and remove inner adapter flange (4) from inner adapter mandrel (2).

I-5) Unscrew and remove set screws (6) from inner adapter mandrel (2).

I-6) Unscrew and remove inner adapter mandrel (2) from pressure setting assembly.

I-7) Unscrew and remove set screws (5) from outer adapter (3).

I-8) Unscrew and remove outer adapter (3) from pressure setting assembly.

J) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	PART NUMBER
1	1	SETTING SLEEVE	P-110	26796470
2	1	INNER ADAPTER MANDREL	P-110	26795462
3	1	OUTER ADAPTER	P-110	26795102
4	1	INNER ADAPTER FLANGE	P-110	97095460
5	2	SET SCREW 1/4-20 UNC X 1/2	STEEL	SSS025C050
6	2	SET SCREW 5/16-18 UNC X 5/16	STEEL	SSS031C031
7	2	SET SCREW 3/8-16 UNC X 3/8	STEEL	SSS037C037
8	3	SET SCREW 5/16-18 UNC X 3/4	STEEL	SSS031C075
9	12	DRIV-LOK PIN (4800#) 5/16 X 1"	4140	DLP031100

ASSEMBLED WEIGHT	90 LBS
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NOTE₄: Wireline pressure setting assembly sold separately by other manufacturer.



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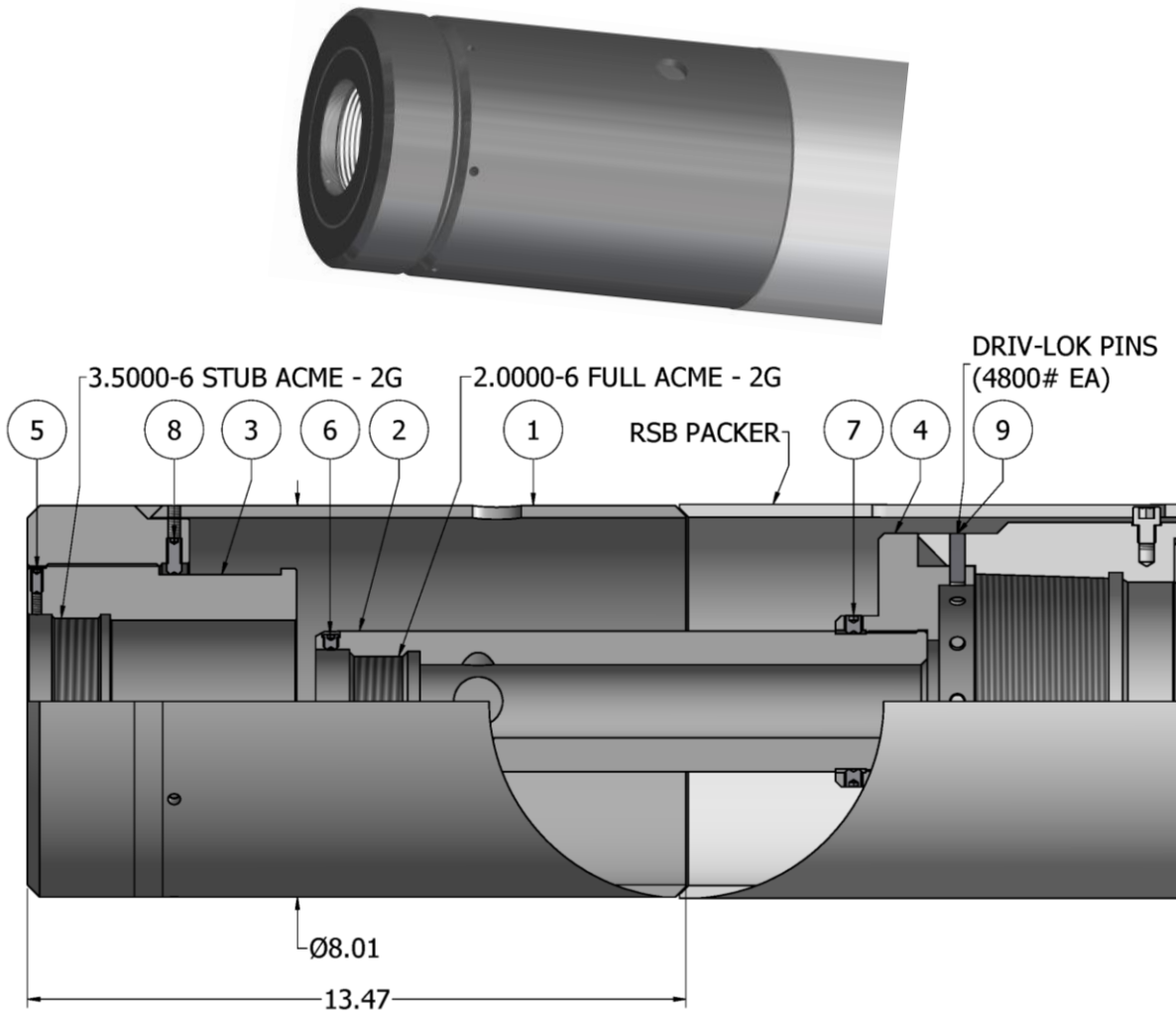
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K) TECHNICAL ILLUSTRATION



L) REVISION HISTORY

DATE	REVISION	DESCRIPTION OF CHANGES	REVISED BY	APPROVED BY
11/17/2022	B	Added P/N, material for Driv-Lok pins, screw torque recommendations	J.Anderson	
10/02/14	A	Created new manual	-	-