



SETTING ADAPTER KIT FOR DUAL BORE RSB PACKER 7" X 5.000" X 4.000"

Manual No:
DL-269-7000-1105

Revision: **A**

Revision Date:
02/22/2018

Authored by: *J.Anderson*

Approved by: *K.Riggs*

A) DESCRIPTION

The Setting Adapter Kit for Dual Bore Retrievable Seal Bore (RSB) Packer is used set the packer on a hydraulic setting assembly. The kit is designed to be used on a hydraulic setting assembly or any setting assembly with the same configuration.

The Setting Adapter Kit 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) 7" X 5.000" X 4.000" Large 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
7	5.813	#20 BAKER E-4	26970X

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 the setting adapter kit to the packer and the pressure setting assembly. Run the assembly to the desired depth. Follow the pressure setting assembly manufacturer's procedures for setting equipment. The kit 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 RSB 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) Unscrew and remove upper seal bore from RSB Packer.

H-2) Install top adapter (4) and upper seal bore of RSB Packer onto lower end of pressure setting assembly.

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

H-3) Screw outer adapter (3) onto pressure setting assembly. Make up wrench tight.

H-4) Screw set screws (7) into outer adapter (3).

H-5) Assemble inner adapter assembly and install:

H-5-.1) Screw inner adapter (2) onto inner adapter mandrel (1).

H-5-.2) Screw set screws (5) into inner adapter (2).

H-5-.3) Screw inner adapter mandrel (1) onto pressure setting assembly.

H-5-.4) Screw set screws (6) into inner adapter mandrel (1).

H-6) Install and make up RSB Packer to pressure setting assembly:

H-6-.1) Grease seal bore of RSB Packer.

H-6-.2) Install mandrel of RSB Packer onto inner adapter (2).

H-6-.3) Align holes in mandrel of RSB Packer with holes in inner adapter (2). Install Driv-Lok pins (8) into mandrel until flush with OD surface of top sub.

H-6-.4) Slide upper seal bore of RSB Packer downwards and screw onto packer.

H-6-.5) Slide top adapter (4) downwards and screw onto outer adapter (3) until top adapter (4) makes contact with upper seal bore of RSB Packer (**NOTE5:** Make up hand tight only).

H-6-.6) Screw set screws (6) 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 (6) from top adapter (4).
- I-2) Unscrew and remove top adapter (4) from outer adapter (3).
- I-3) Unscrew and remove set screws (7) from outer adapter (3).
- I-4) Unscrew and remove outer adapter (3) from pressure setting assembly.
- I-5) Unscrew and remove set screws (5) from inner adapter (2).
- I-6) Unscrew and remove inner adapter (2) from inner adapter mandrel (1).
- I-7) Unscrew and remove set screws (6) from inner adapter mandrel (1).
- I-8) Unscrew and remove inner adapter mandrel (1) from pressure setting assembly.

J) PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL	PART NUMBER
1	1	INNER ADAPTER MANDREL	DLMS110	26970X460
2	1	INNER ADAPTER	DLMS110	26970X461
3	1	OUTER ADAPTER	DLMS110	97120102
4	1	TOP ADAPTER	DLMS110	97371X470
5	3	SET SCREW 1/4-20 UNC X 3/8	STEEL	SSS025C037
6	3	SET SCREW 5/16-18 UNC X 1/2	STEEL	SSS031C050
7	2	SET SCREW 1/4-20 UNC X 1/4	STEEL	SSS025C025
8	10	DRIV-LOK PIN (4800#) 5/16 X 1"	4140	DLP031100

REDRESS KIT (RDK)		26970X050
ASSEMBLED WEIGHT		82 LBS



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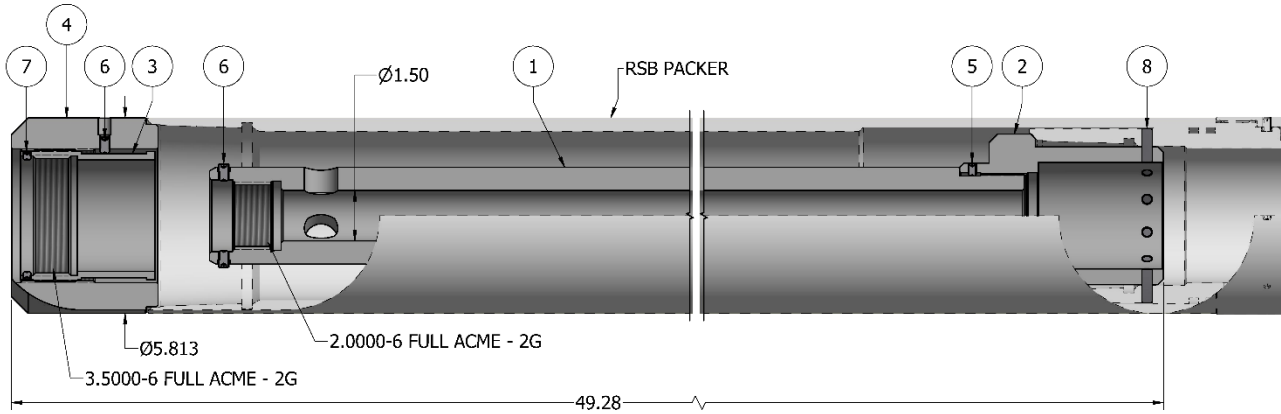
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K) TECHNICAL ILLUSTRATION



L) REVISION HISTORY

DATE	REVISION	DECIPTION OF CHANGES	REVISED BY	APPROVED BY
02/22/2018	A	Created new manual	-	-