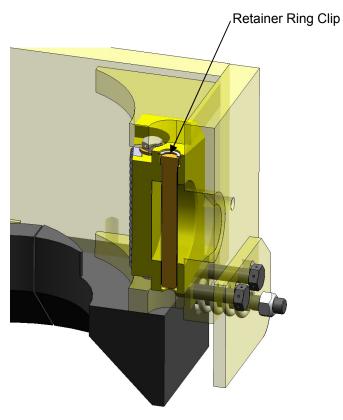


DATE: 23-Aug-05

SUBJECT:	Top Drive Backup Wrench Pin Retention
SERIAL NUMBERS:	All
DISCUSSION:	It has been reported that inserting and removing the clip ring that retains the pin holding the die block in place is a difficult task, especially when the proper tools are not available. CANRIG has created an upgrade kit that resolves this issue.
RECOMMENDATION:	
А.	Inspect the Gripper Die Blocks as follows to ensure the pin is properly retained.
	 Pin Retention uses a clip on the retainer to hold the pin in place. Ensure that the pin is installed the Die Block. Install the clip on the retainer pin.



- B. To make the retention of the Die Block more user friendly, CANRIG designed new Die Blocks and Die Block Retrofit Retainer Kits (AY12954 & AY12955). The new design Die Blocks include parts that are easier to handle and install. The new Die Blocks can be used on all BUW, but Top Drives presently in the field, will need the retrofit kit (DT14656) as well.
 - Wrench Die Blocks uses a retainer plate to hold the pin in place. (New Retainer Plate DT14335)

1.	The new design for Pin Retention to be used on all new Back-up
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Old Die Block	Size	New Die Block
DT13716	5.75-9.00 DIA	DT14330
DT13717	3.75-7.00 DIA	DT14331
DT13718	2.50-5.75 DIA	DT14332
DT13719	3.25-6.50 DIA	DT14333
DT13734	4.50-7.00 DIA	DT14590

2. The hole on top of the Retainer Plate is to verify that the retainer pin is installed.

C. Installation of new design Die Blocks in the field is performed as follows:

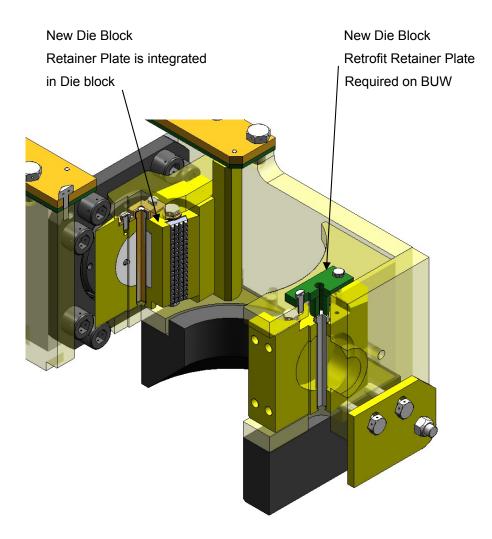
Stationary Die Block:

- 1. Modify the Back-up Wrench by drilling 2 tap holes on the location specified by Drawings AY12954 (see attached).
- 2. Insert the New Die Block Assy (AY12689).
- 3. Place the Die Block Retrofit Pin Retainer (P/N DT14656) on top of the Back-up Wrench aligning with the new tap holes.
- 4. Tighten, secure and wire the fasteners.

Moving Die Block:

- 1. Insert the New Die Block Assy (AY12689).
- 2. Install New Retainer Plate DT14335

NOTE: On the moveable side - no Retrofit Pin Retainer is required.



Proper operation of the Top Drive is the best way to prevent incidents of falling parts.

Should you have any questions or concerns, please do not hesitate to contact your CANRIG representative or the Field Operations Manager listed below.

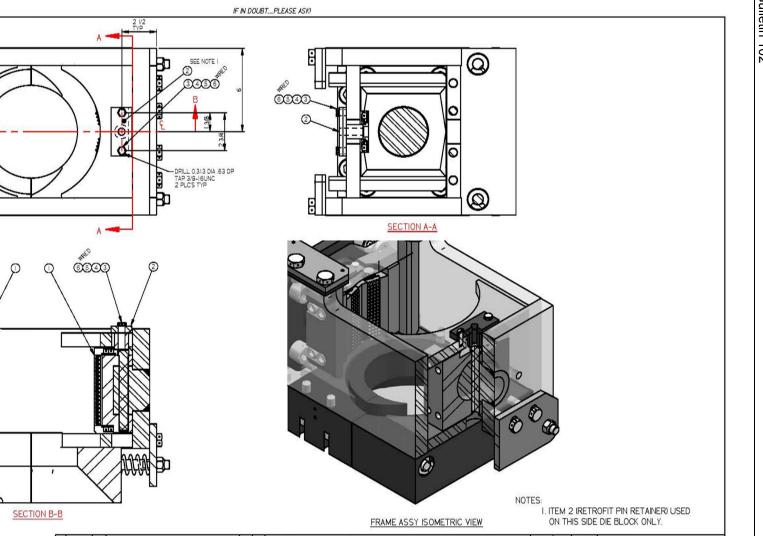
INFORMATION:

For further information contact:

Field Operations Manager Canrig Drilling Technology Ltd. 14703 FM 1488 Magnolia, Texas 77354 Phone: 281.259.8887 Fax: 281.259.8158

Attachment:

AY12954 (PDF)



Г	Т						WELDING PROCEDURE AS	PER CANRIG SPECIFICATION - ENG 704.	UNLESS NOTED C		DRAWN CHECKED	JSC	05/07/18	1882	6		
	-						HIS PAIR SALE AND ALL REPORT AND ALL ALL AND ALL ALL AND ALL A	CASTING ± 1/16	C 24° ± 1/16° * to 60° ± 1/3° * to 120° ± 3/16° 0° to 280° ± 1/4° 0° & CVER ± 1/2° BRICATING IMETRICI TO 610 mm ± 1 mm	DECIMAL X = 0.30" .xx = 0.05" .xx = 0.05" .xxx = 0.05" .ANGULAR	APPRVD MATERIAL	<u>: :</u>		Canrig CANRIG DRILLIN TECHNOLOGY LT KIT, RETAINER, PIN, DIE BLOCK, 575-900			GY LTD
	No.	Y/M/D	BY	REVISION	снк.а	APVD	AND INVENTION ARE RESERVED BY CANRIG DRILLING TECHNOLOGY LTD.	MACHINED SURFACES 125 MIN. RADIUS UNLESS SHOWN - 0.03 MAX. 71	0 TO 1525 ± 3 mm 25 TO 3048 ± 5 mm 48 TO 7112 ± 7 mm 12 & OVER ± 13 mm		EST. WEIGH	T SCAL	12	PROJECT		AYI2954	REV (

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Top Drive Product Bulletin

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