



Model: See Affected Units
Serial #: N/A

Oct. 18, 2024

Product Bulletin # TDS-257 Rev 1

BUW Telescoping Tubing Guard Improvement

Issue

The Back-up Wrench (BUW) is subjected to impacts when handling drill pipe during drilling operations. This can cause damage to the rear of the BUW, particularly, the telescoping tubing guards. In an effort to prevent dropped objects, Canrig has improved the BUW telescoping tubing guards to provide more resistance to impacts.

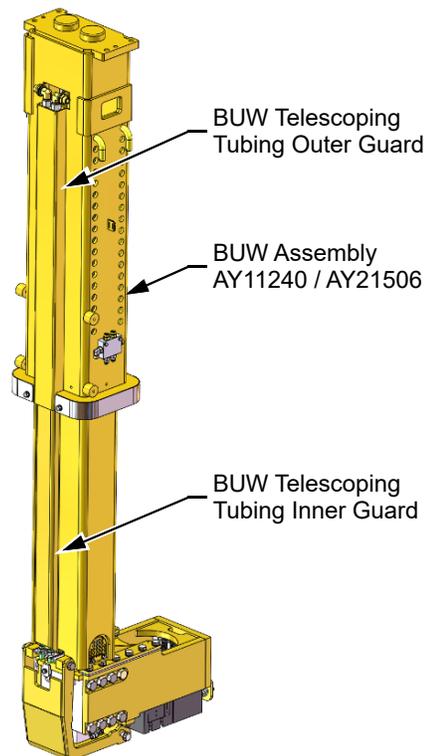


Figure 1: Top Drive Back-up Wrench

Affected Units

- C500-681
- C500-865
- C750-681
- C750-865



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Modification Procedure

Removal of Existing Inner and Outer Telescoping Tubing Guard Components

1. With the BUW in the extended position, (LOTO) lock and tag out the HPU as well as the BUW positioner and BUW Gripper functions.
2. After LOTO is performed, disconnect the telescoping tubing and BUW Gripper hoses from the bulkhead fittings.
3. Remove the bulkhead fittings.

NOTICE

Place bulkhead fittings in a secure location for re-use.

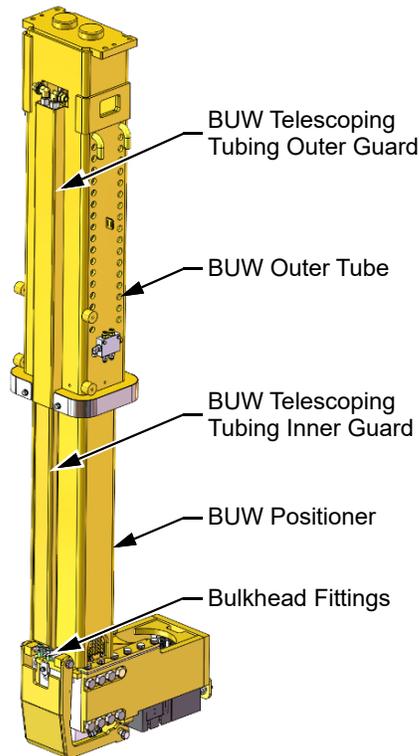


Figure 2: BUW Bulkhead fittings



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4. Remove the BUW telescoping tubing inner guard with BUW bulkhead mount from the BUW positioner shown in Figure 3.

NOTICE

Discard the fasteners as they will not require re-use.

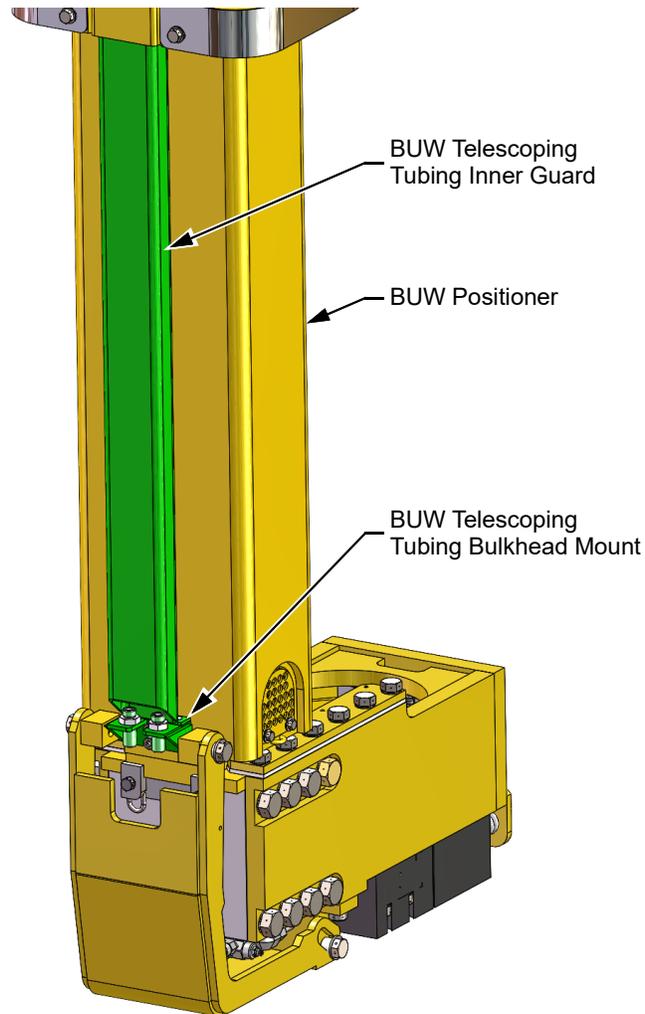


Figure 3: BUW Telescoping Tubing Inner Guard & Bulkhead Mount

5. Remove stitch welded joints adjoining the BUW telescoping tubing outer guard to the BUW outer tube and remove the telescoping tubing outer guard as shown in Figure 4.

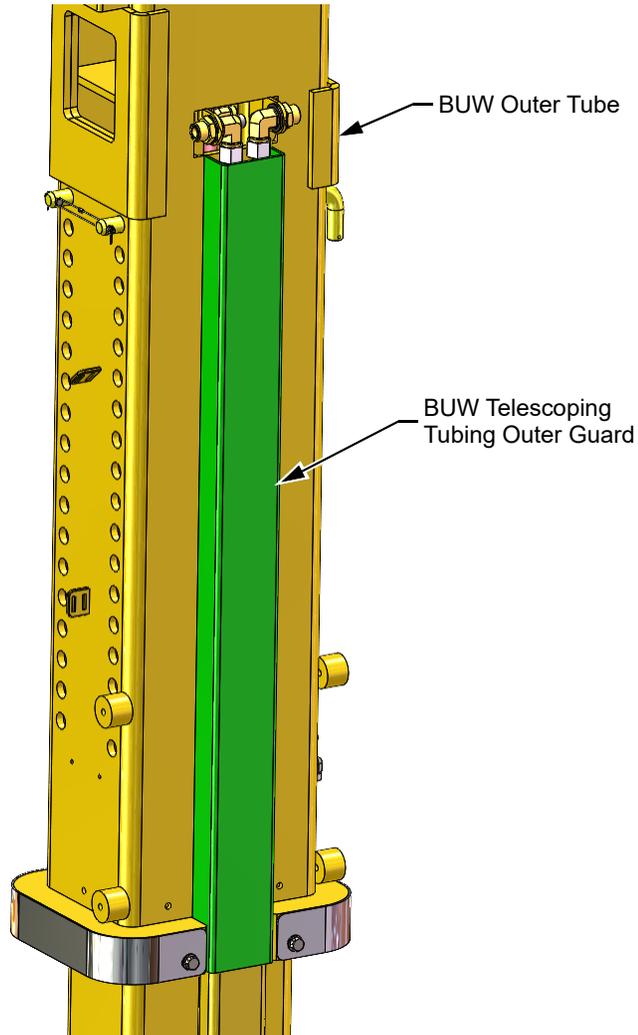


Figure 4: BUW Telescoping Tubing Outer Tube and Guard



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Table 1: AY28047 – KIT, MODIFICATION, TELESCOPING TUBING GUARD

Item	Qty	Canrig P/N	Description
1	1	DT27273	GUARD, OUTER, BUW TUBE, 43.25 STR
2	1	DT27218	GUARD, INNER SLEEVE, BUW TUBE, 43.25
3	2	SH-0500NC-0175-GR8-W	CAPSCR, HEX HD, 3/4-10UNC x 1.75, GR8-W
4	2	LW-0500-NL	LOCKWASHER, 1/2 NORD-LOCK
5	2	LN-0500-GR8	LOCKNUT, 1/2-13UNC, GR8, STOVER
6	1FT	M21-2000-010	WIRE ROPE, 1/16 IN, 7 x 7, SS
7	2	M19-3006-010	FERRULE, 1/16, OVAL, ALUMINUM
8	2FT	M10022	WIRE ROPE, 1/8, 7 X 19, STAINLESS
9	2	M19-3009-010	FERRULE, 1/8, OVAL, ALUMINUM

Installation of New Inner and Outer Telescoping Tubing Guard Components

1. Position and weld (Item 1) new BUW telescoping tubing outer guard as shown in Figure 5 to the BUW Outer Tube.

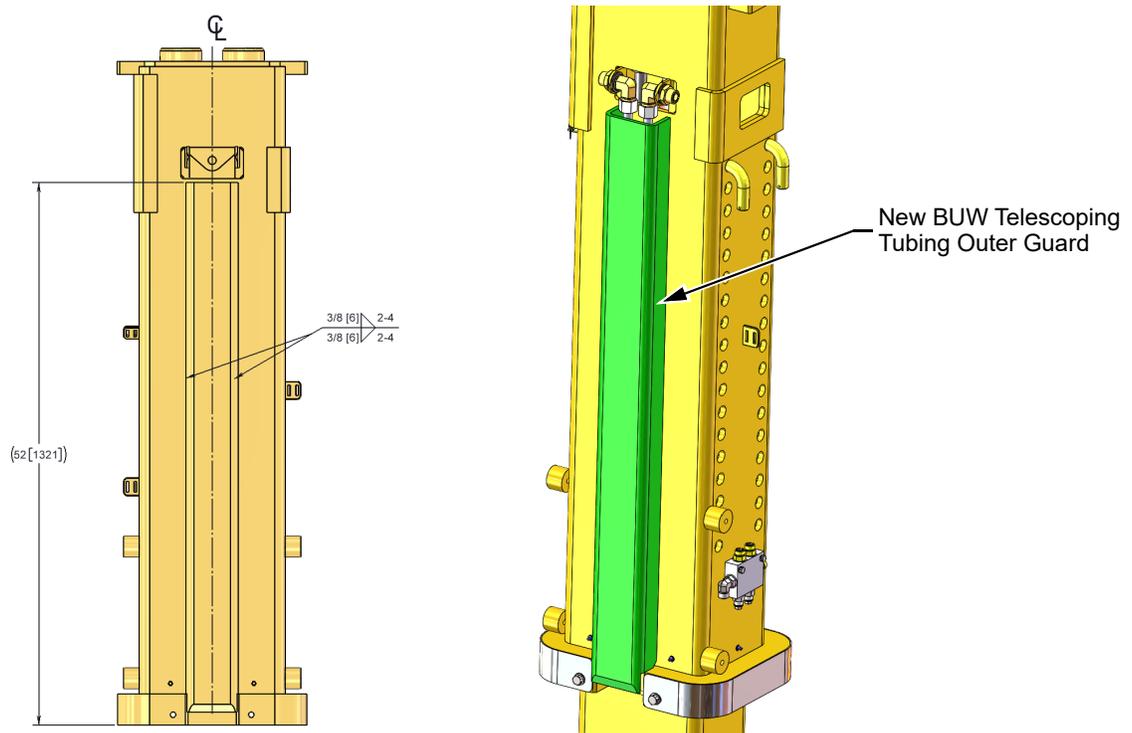


Figure 5: New BUW Telescoping Tubing Outer Guard



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2. Install (Item 2) new BUW telescoping inner tubing guard on the BUW positioner using (Item 3) fasteners, (Item 4) lockwashers and (Item 5) locknuts. Add safety securement to (Item 3) fasteners using (Item 6) 1/16" safety wire and (Item 7) 1/16" ferrules.

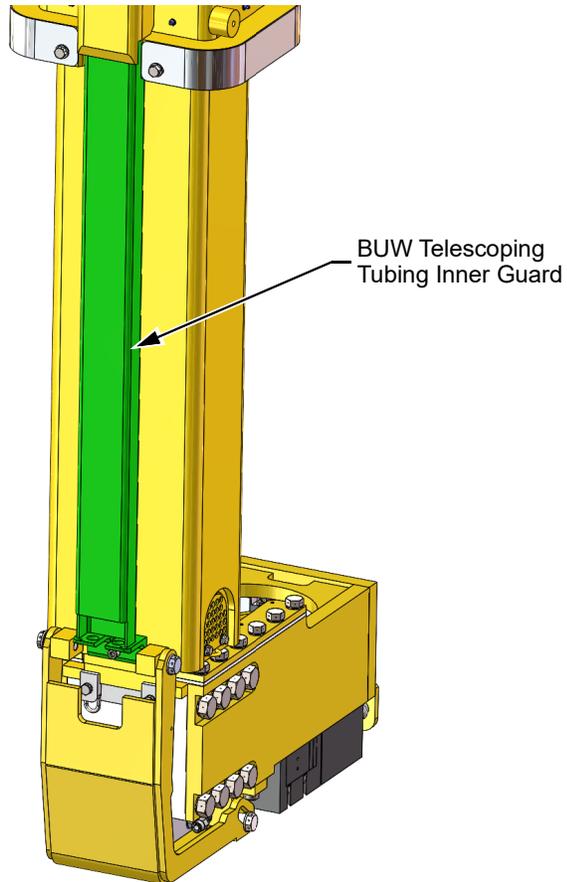


Figure 6: BUW Telescoping Inner Guard



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3. Re-install bulkhead fittings and reconnect the telescoping tubing and hoses as shown in Figure 7.

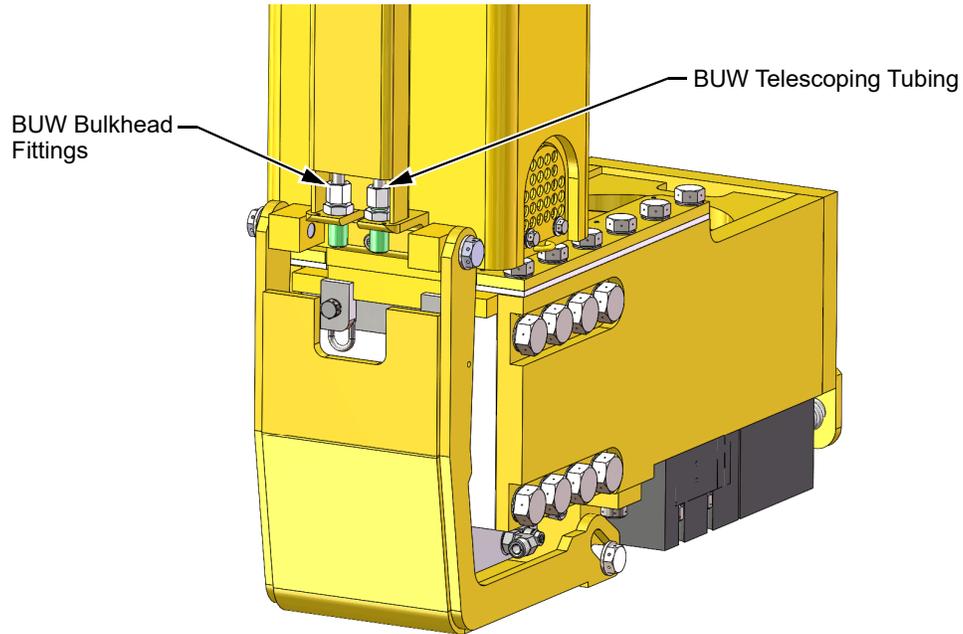


Figure 7: BUW Bulkhead Fittings and Telescoping Tubing



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- Secure Item 2 telescoping tube inner guard to BUW stop foot mount with (Item 8) safety wire and (Item 9) 1/8" ferrules.

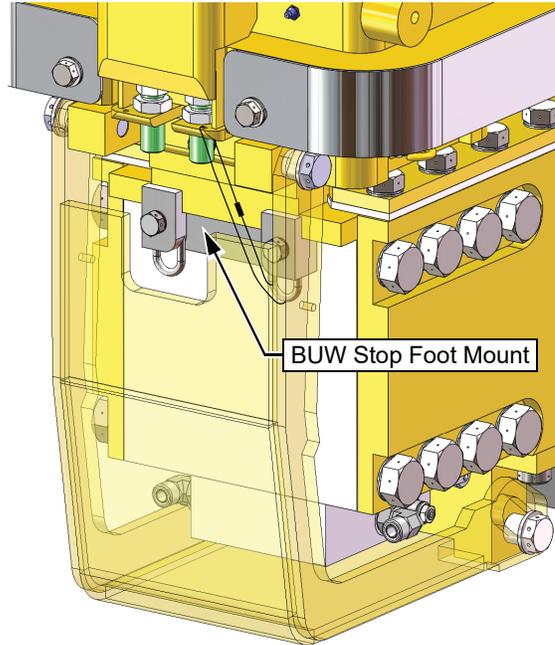


Figure 8: Secure Telescoping Tube Inner Guard with safety wire

Parts

For part ordering please contact Canrig Part Sales (part.sales@canrig.com).