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PRODUCT: LWCV Actuators

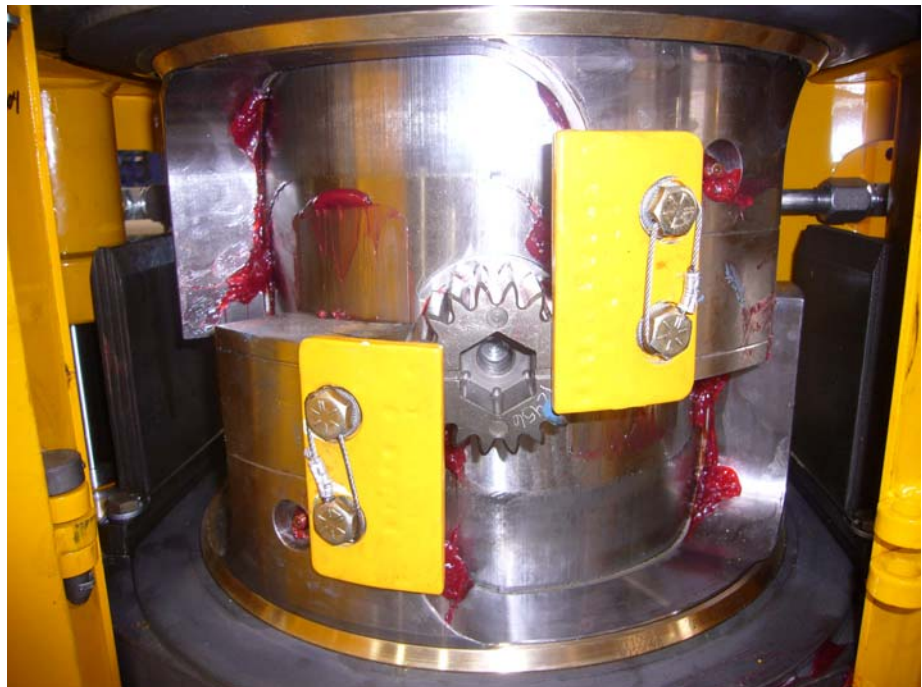
DATE: March 13, 2009

**SUBJECT:** Dropped Pinion Retainer and Bolts

**SERIAL NUMBERS:** All

**DISCUSSION:** There is a potential for the button head bolts on the pinion retainers to come loose and fall to the rig floor.

**RECOMMENDATION:** The button head bolts on the 3" and 4" LWCV actuators should be changed to hex head bolts and safety wires added to ensure that the bolts are properly secured (as shown in the picture below); thus preventing them from dropping to the rig floor:



In addition to the safety wiring, the bolts must be loctited and torqued to 40 ft-lb. A kit part number AY15364 was created to include the necessary bolts, washers and safety wires as shown on the attached bill of material. This kit will be used for both the 3" and 4" actuators.

For the 4" actuator, the lower (in the pinion area) hydraulic tube must be replaced in order for this tube to clear the newly added hex head bolts on the pinion retainers. The new tube part number is DT18042. After the pinion retainers are assembled and the bolts are secured, ensure that the actuator outer guard is assembled correctly.

**INFORMATION:**

For further information contact:

For a complete list of all bulletins go to [www.canrig.com](http://www.canrig.com)

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# Engineering Bill of Material

**Part:** AY15364  
**Description:** KIT, ACTUATOR LWCV, CDTL

**Eng ID:** 0  
**Drawing ID:** NO DRAWING

**Rev No:** 0

Item	Qty	Units	Part ID	Eng ID	Description
01	8.00	EA	HH-0375NC-0075-GR8-W		CAPSCR, HEX HD, 3/8-16UNC x 0.75, GR8, W
02	16.00	PAIR	LW-0375-NL		LOCKWASHER, 3/8 NORD-LOCK
03	4.00	FT	M21-2000-010		WIRE ROPE, 1/16" DIA
04	4.00	EA	M19-3006-010		FERRULE, 1/16, OVAL, ALUMINUM