

Product: B-Rig & S-Rig PACE Power House Version: N/A	October 4, 2012
Product Bulletin # ÚPĚF	

Inadvertent Tripping of #1 Air Compressor Circuit Breaker

The #1 Air Compressor circuit breaker trips on overcurrent, normally on cold starts. The circuit breaker for the Air Compressor has a 100 amp trip.

The 75 hp motor for the air compressor normally draws 96 amps running and the 100 amp breaker is inadequate for cold starts.

The cable for the air compressor is #2 AWG and rated for 130 amps. Increasing the circuit breaker rating to 125 amps will allow for the cold starts and reduce nuisance trips.

Recommendations

1. Have an electrician perform an inspection of the MCC section 7D for #1 Air Compressor on B-07 through B-28 and 887 through 893. Determine if the compressor feeder breaker is a 125 amp breaker.
2. If the installed feeder breaker is not a 125 amp breaker, order the replacement breaker, E15704, from Canrig and replace the breaker at the earliest convenience. Contact RigLine 24/7™ Support to order the kit.

CANRIG Part Number	Description	Qty
E15704	CIRCUIT BKR, 125A, 3P, 480V, H FRAME	1

Actions



Only qualified personnel should perform any work in the MCC. Take proper precautions and follow correct lockout/tagout procedures when working in the MCC.

1. Ensure repairs are coordinated with Rig Manager and Driller.
2. Before upgrading MCC feeder breaker, obtain permission from Driller for operational consideration.



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3. Install the 125 amp breaker (E15704) and ensure that breaker is connected correctly.
4. Verify proper operation of the feeder breaker by restoring power and shutting the breaker when rig operations will support. Monitor breaker operations and report any abnormal issues or occurrences to Canrig.
5. Return the 100 amp breaker bucket to Canrig for disposition. Obtain a RMA number from Canrig prior to shipping materials in return.