



Model: See Affected Models

Serial #: N/A

Oct. 13, 2020

Product Bulletin # TDS-226 v 1.0

Rotary Manifold Pressure Pads Securement

Background

- Link support of the rotary manifold assembly is supported by two counterbalance hydraulic cylinders. The counterbalance cylinder rods rest on the pressure pads which are fastened to the outer sleeve by 3/4" socket head (Grade 8) fasteners.
- For current Canrig production units, the pressure pads are secured using a 1/8" wire rope and ferrules to minimize the potential for dropped object. Refer to Figure 1.

Issue

If the pressure pads are installed incorrectly or if the fasteners become loose, there is a risk that they would become detached and fall.

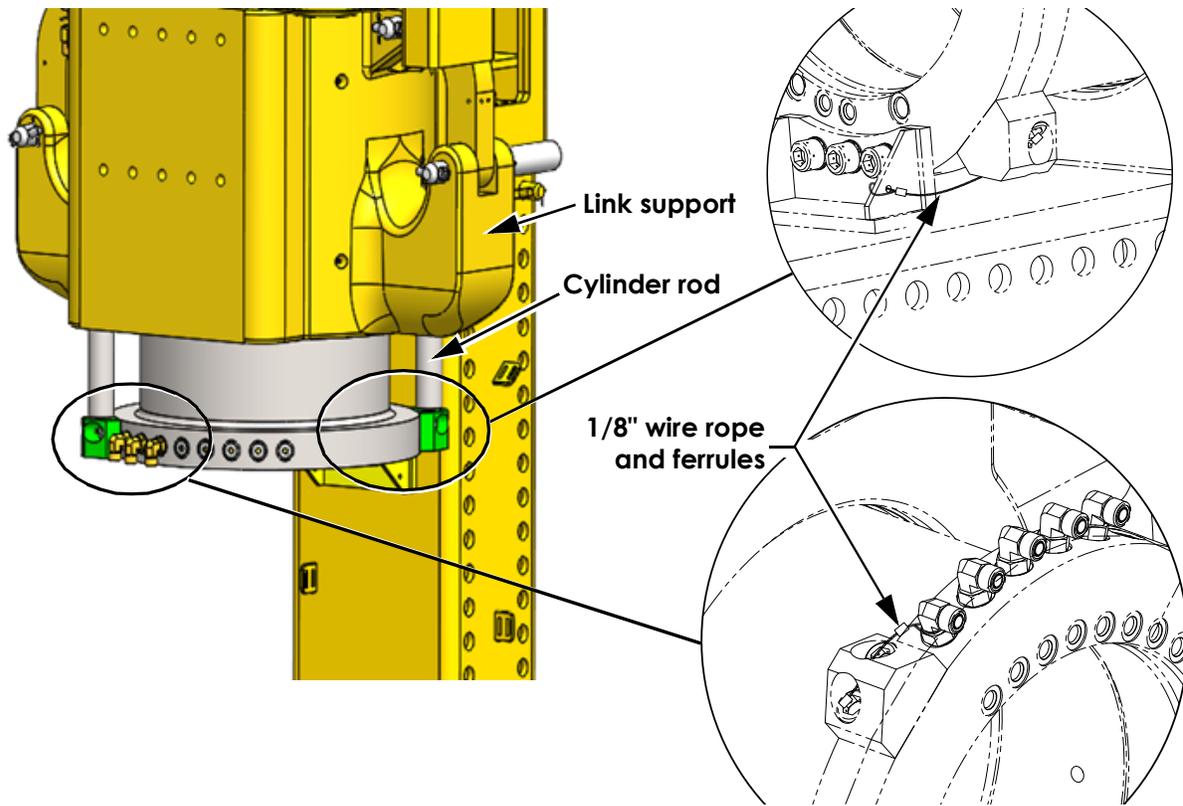


Figure 1: Secured Pressure Pads on Rotary Manifold Assembly



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Affected Models

Canrig Top Drive models: 1275AC, 1250AC, 1235AC, 6027AC.

Recommendation

1. Include the pressure pad in your regular dropped object inspections. At least once a week, check the pressure pads for damage and proper installation. If any damage is found, inspect the bolts to ensure it is intact and free of any cracks. Replace the bolt if any thread damage or cracks are found.
2. The pressure pads have been recently updated to allow the installation of safety securement. To apply this update to an existing top drive, the pressure pads would require a hole to be drilled to allow for installation of the safety securement. Refer to "Safety Securement for the Pressure Pads" for the drilled hole location and securement for the pressure pads.



Note: Any new pressure pads ordered from Canrig will already include the drilled hole for adding the safety securement.

Safety Securement for the Pressure Pads

1. If the pressure pads do not have drilled holes for securement, then drill 1/4" holes into both pressure pads as shown in Figure 2.

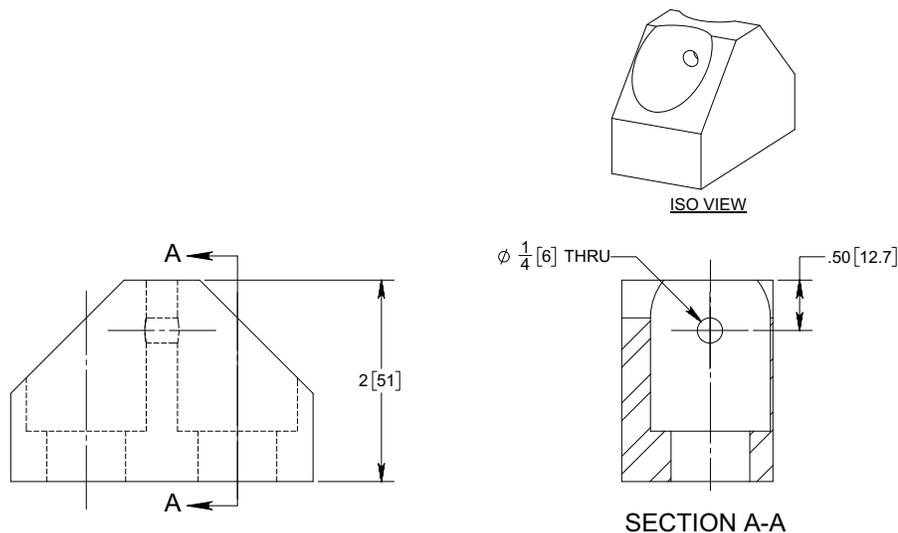


Figure 2: Drilling Holes on Pressure Pads

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- To secure the pressure pad, use 1/8" wire rope and ferrules. Run a wire rope through hole in pressure pad and tie-off to the bracket (between the outer sleeve and back-up wrench). Keep the slack as minimum as possible (no more than one inch). Refer to Figure 3.

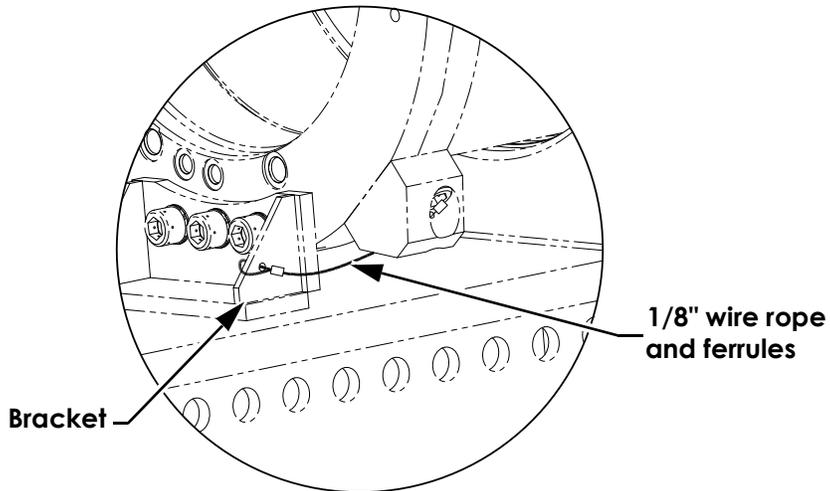


Figure 3: Pressure Pad securement

- To secure the pressure pad, use 1/8" wire rope and ferrules. Run a wire rope through hole in pressure pad and tie-off to the hydraulic fitting. Keep the slack as minimum as possible (no more than one inch). Refer to Figure 4.

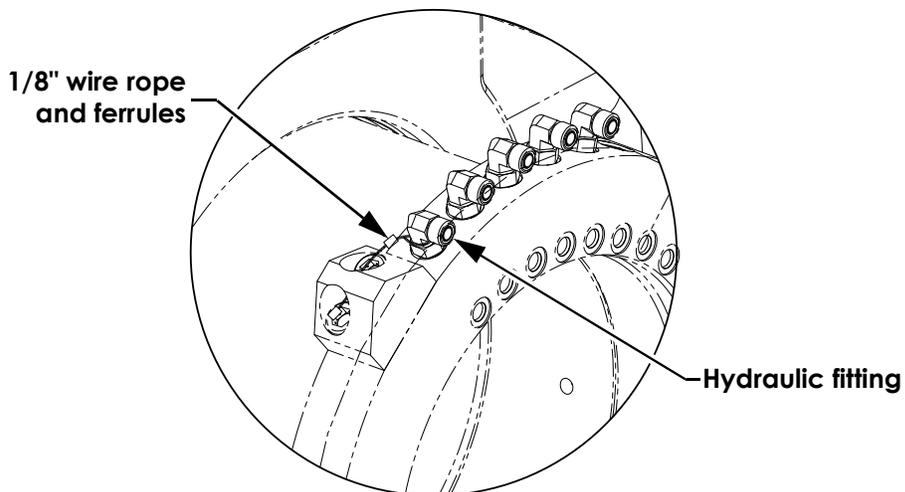


Figure 4: Pressure Pad Securement