

Boom Raising Procedure

16000 SERIES 5

Boom No. 58BRS

Recommended boom raising and lowering procedure.

16000 SERIES 5 must be equipped with 368,000 lb (166 920 kg) crane counterweight, 41,300 lb (18 730 kg) auxiliary crane counterweight and 120,000 lb (54 430 kg) carbody counterweight. Refer to boom rigging assembly **No. 81016771** for boom make-up of inserts, straps, boom suspension, boom raising cylinder setup and operation and miscellaneous parts, etc. Refer to Operator's Manual for set-up and installation. Ground should be prepared to within a 1% (0.573 degree) levelness during raising and lowering of boom.

Raising:

With boom fully supported by blocking including directly underneath the intermediate suspension, and upperworks oriented over front of blocked crawlers, attach boom lifting assist frame **No. 81016757** to boom raising cylinder. Refer to boom rigging assembly **No. 81016771** for intermediate suspension location, attachment and length. If the assist pad reaches the ground prior to the intermediate suspension engaging the suspension beam latch, use an assist crane to pull up on the suspension. Before raising the boom, ensure that the correct boom information has been entered into the RCI configuration. Extend boom raising cylinder until contact with the ground. Refer to Operator's Manual for crane control usage during boom raising. The boom raising cylinder will leave the ground at approximately 38 degrees, continue booming up. Fully retract the cylinder at minimum operating boom angle and before swinging boom or traveling.

Lowering:

With crane upperworks oriented over front of blocked crawlers and load block on the ground, lower boom to the minimum operating boom angle. Extend the boom raising cylinder. Refer to Operator's Manual for crane control usage during boom lowering. Lower the boom onto blocking.

WARNING: If incorrect boom length information has been entered boom into RCI configuration, crane may tip.

CAUTION: When not operating within load chart, load block(s) should be on the ground and upperworks should be orientated over front of blocked crawlers.

WARNING: Do not under any condition attempt to raise or lower the boom below the minimum operating boom angle without the upperworks orientated over front of blocked crawlers and the use of the boom raising system cylinder.

Ground Bearing Preparation
Lifting assist outrigger pad requires ground to be capable of supporting 240 psi (170 t/m ²)