

Manitowoc

TRADITIONAL CRANE PARTS MANUAL

This manual has been prepared for and is considered part of

4100

Model

41325

Serial Number

- GROUP A** = *Rotating Structure* (Includes rotating bed, operator's cab, cases, fuel tanks, transfer pump, counterweights, guards, platforms, catwalks, machinery enclosure, horn)
- GROUP B** = *Upperworks Machinery* (Includes front, rear, and auxiliary drums, boom hoist, swing and drive shafts, hand levers, foot pedals, control linkage, rotation indicators, upperworks hydraulic components, hydraulic piping, hydraulic oil reservoir, lubrication pump and piping, blowers)
- GROUP C** = *Air Components & Electrical* (Includes control console, air piping, electric wiring, auxiliary light plant and lighting, TV monitoring, compressor and air tank)
- GROUP D** = *Power Components - Upperworks* (Includes engine or motor, radiator, auxiliary power plant, take off converters and piping, controls, VICON power lowering, torque limiter, hydraulic pumps and piping, fuel piping, battery box)
- GROUP E** = *Lower Structure & Control* (Includes carbody, crawlers, travel shafts and control, steering travel locks, hydraulic travel, travel power outriggers, carrier, pedestal, lowerworks hydraulic piping, RINGER components, barge mounting and machinery, spud drums)
- GROUP F** = *Attachments* (Includes booms, jibs, masts, tower, wire rope guides, equalizer, gantry, fairlead, timber guards, boom angle indicator, block-up limit, tag line, hook block, weight ball, upper and lower boom point, wind speed indicator, crowd and retract dipper sticks, dippers,)
- O-NUMBER SECTION** = (Includes lacing drawings and purchased component parts drawings referenced in sections A through F)

This manual is arranged in sections as listed above. Sections A through F are arranged by group numerical order with an index after each section tab. An alphabetical index for groups A through F combined is located after the O-number Section. The O-number section is arranged in numerical order by O-number. Following this cover page are the Basic Specifications, Warranty Information, Tool List (if applicable) Outline Dimensions, Weights, and Dealer Listing.

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Lloyd's Register



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Construction Equipment Management for Engineers, Estimators, and Owners Douglas D. Gransberg, Jorge A. Rueda- Benavides, 2020-05-31 Construction Equipment Management for Engineers Estimators and Construction Managers Second Edition has been extensively rewritten to not only bring it up to date with the state of current practice but also to serve as a textbook for university courses in construction engineering and management The authors advanced the previous edition s practical hands on approach and added material on the future of construction equipment fleet management which they believe will require a new technology based skillset to maximize the cost effectiveness of construction equipment operations As such the book covers the latest construction equipment technologies Features Examines emergent technologies in the field including automated machine guidance systems intelligent compaction operations and equipment related civil integrated management tools Provides information on how to reduce an equipment fleet s environmental impact decreasing greenhouse gas emissions through enhanced equipment management and optimization practices Discusses estimating equipment ownership operating costs economic life and optimal replacement timing Demonstrates how to maximize profit by determining the optimum equipment mix and estimating productivity Illustrates the use of production based linear scheduling and stochastic simulations to maximize project cost and schedule certainty This new edition will serve as an essential textbook for students as well as a valuable reference for a wide range of professionals within the construction architecture and engineering industries

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