

★ 4000 Series ★

The Pioneer Edge:

- Patented "X" type outrigger design for superior stability
- 500 degree rotation with 22-degree compromise over the front
- Walk-across bridge and excellent operator vision field
- Exclusive 20' to 44' offset jib (straight or offset 15 and 30 degrees) allows operator to work further "up-and-over"
- Fast-speed hydraulic boom extension system

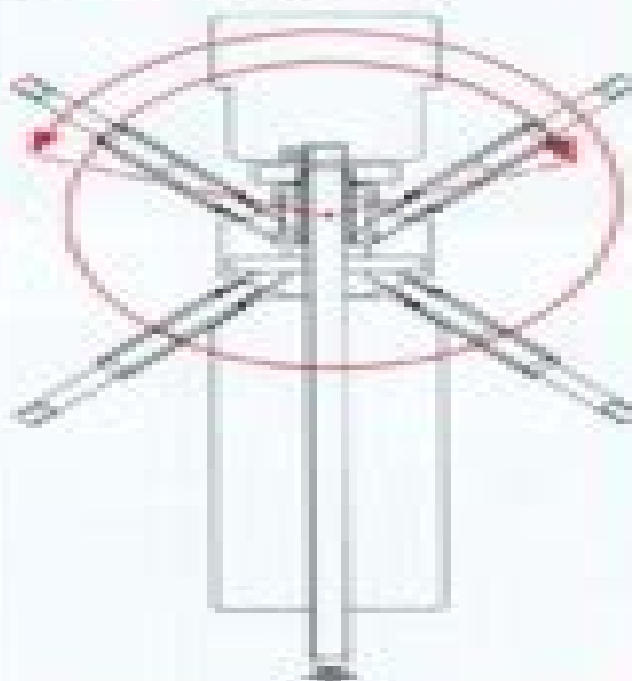
The Pioneer Details:

- 55,000 lb. capacity
- 4-section, 94 ft. proportional boom
- 204" 10" maximum shear height
- With standard two-stage jib, 148" maximum shear height

Additional Standard Equipment:

- Dial-a-Speed rotation speed control for maximum fine-tuning
- Radio ATB System
- Capacity Alert System with indicator gauge at each control station
- Chisel air-actuated foot shovels
- Air Shift PTO
- Winch cable tension roller
- Rear underdrive bumper
- 100 gallon hydraulic reservoir
- 3-shear boom tip
- Pioneer installation of your crane

Pioneer Engineering's patented "X" outrigger design gives the crane operator something not previously available in the 50 year history of this industry... full stability over the sides, back, and most important, over the front of the crane... and the outriggers never leave the ground. Pioneer achieves this full degree "work sure" without a fourth transporter outrigger. With Pioneer, you need just one crane to get maximum work ability!



Pioneer Engineering utilizes the "X" outrigger design and goes one step further. Instead of just 175 degrees of rotation, Pioneer gives the operator a full 500 degree boom rotation. This truly allows working over the front of the unit with 22-degree compromise. Compared to other manufacturers, Pioneer gives you full stability and total access to the job site. It's a high combination to beat.

PIONEER ENGINEERING

Pioneer Boom Trucks Operation Manual

Emilie Sanchez



Pioneer Boom Trucks Operation Manual:

Technical Manual United States. War Department, 1944 Manuals Combined: U.S. Army M813 M813A1 M814 5 Ton Cargo Truck - Repair Operator Parts Tech Pubs , Over 5 100 total pages CONTENTS Operator Manual 414 pages June 14 1985 w Changes 1 4 TM 9 2320 260 10 TO 36A12 1C 481 Depot Repair Manual Vol 1 653 pages July 1 1994 TM 9 2320 260 34 1 TO 36A12 1C 1122 1 Depot Repair Manual Vol 2 865 pages June 1 1994 TM 9 2320 260 34 2 TO 36A12 1C 1122 2 Unit Repair Manual 1339 pages April 1 1995 TM 9 2320 260 20 TO 36A12 1C 491 Parts List Vol 1 696 pages September 1 2003 TM 9 2320 260 24P 1 TO 36A12 1C 382 1 Parts List Vol 2 1020 pages September 1 2003 TM 9 2320 260 24P 2 TO 36A12 1C 382 2 Transportability Guidance 78 pages July 17 1986 w Change 1 TM 55 2320 260 15 1 Hand Receipt 20 pages January 31 1979 TM 9 2320 260 10 HR Lubrication Order 35 pages November 4 1983 TM 9 2320 260 12 The manuals cover the following U S Army vehicles M812A1 Truck Chassis Rocket Launcher 2320 00 050 9040 M813 Truck Cargo 2320 00 050 8902 2320 00 050 8890 M813A1 Truck Cargo 2320 00 050 8913 2320 00 050 8905 M809 Series Trucks Diesel 5 Ton 6x6 M810 Truck Chassis 2320 00 051 0586 2320 00 051 0585 M814 Truck Cargo 2320 00 050 8988 2320 00 050 8987 M815 Truck Bolster Logging 2320 00 050 8927 M816 Truck Wrecker Medium 2320 00 051 0489 M817 Truck Dump 2320 00 050 8970 2320 00 051 0589 M818 Truck Tractor 2320 00 050 8984 2320 00 050 8978 M819 Truck Tractor Wrecker 2320 00 050 9004 M820A1 Truck Van Expansile 2320 00 050 9007 M820A2 Truck Van Expansile 2320 00 050 9010 M821 Truck Stake Bridge Transporting 2320 00 050 9015 NHC 250 Cummins 6 Cylinder Diesel Engine M820 Truck Van Expansile 2320 00 050 9006 Operator's, Organizational, DS, and GS Maintenance Manual for Mobile Audio Visual Unit AN/MSQ-85A , 1991

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