



**Manitowoc Boom Trucks**

Manitowoc Boom Trucks, Inc.  
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Model No. \_\_\_\_\_  
 Serial No. \_\_\_\_\_  
 Date: \_\_\_\_\_

# FUNCTIONAL CHECK LIST

For Dealer mounted MBT Crane Kits

## HYDRAULIC SYSTEM

Inspection Item	S	U	N	Resolution / Comments
Hydraulic reservoir oil level				
Power take-off control functions properly				
Engine speed set properly, matched to PTO				
Relief valves set per the hydraulic schematic.				
Hydraulic gauge indicates the proper pressures				
Inspect for proper hose routings, harmful interferences				
Inspect for oil leaks at pto, pump, oil tank, gate valve				
Filter element replaced with spare (supplied)				

## ELECTRICAL SYSTEM

Inspection Item	S	U	N	Resolution / Comments
Horn switch functions properly				
Engine stop switch functions properly				
Engine start switch functions properly				
Outrigger/stabilizer alarm functions properly				
Stabilizer directional switch functions properly				
Anti-two block system functions properly				

## CAPACITY ALERT SYSTEM

Inspection Item	S	U	N	Resolution / Comments
LMI functioning properly				
LMI consoles functioning properly				
LMI indicating proper boom angle				
LMI indicating proper radius				
LMI indicating proper boom length				
Alarms and Shut-off functions operate properly				

CODES S-Satisfactory, U-Unsatisfactory, N-Not Applicable

**CAPACITY ALERT SYSTEM (Continued)**

Inspection Item	S	U	N	Resolution / Comments
HYCAS System Calibrated				
High load setting verified				
Low load setting verified				
Alarms and Shut-off functions operate properly				
Inspect for oil leaks				

**OUTRIGGERS AND STABILIZERS**

Inspection Item	S	U	N	Resolution / Comments
Outriggers function properly				
Stabilizers function properly				
Grease applied to outriggers and stabilizers				
Inspect for oil leaks				
Loose or missing fasteners, covers, or decals				

**BOOM AND WINCH**

Inspection Item	S	U	N	Resolution / Comments
Grease applied to all slider pads and boom sections				
Lubricate all grease fittings				
Boom hoist functions properly				
Boom telescopes properly				
Boom straight when extended, shimmed properly				
Boom angle indicator reads proper angles				
Proper jib alignment				
Winch oil level				
Winch functions properly				
Winch 2-speed functions properly				
Inspect for oil leaks				
Loose or missing fasteners, cover, or decals				

**ROTATION GROUP**

Inspection Item	S	U	N	Resolution / Comments
Swing reducer oil level				
Lubricate all grease fittings, grease ring teeth				
All slewing rig bolts torqued to specifications				
Swing functions properly				
Rotate boom to verify swing stops				
Inspect for oil leaks				
Loose or missing fasteners, guards, covers, decals				

CODES S-Satisfactory, U-Unsatisfactory, N-Not Applicable

**PEDESTAL AND CONTROL CONSOLE**

Inspection Item	S	U	N	Resolution / Comments
Level gauge indicates proper machine level (Check against master)				
Crane control linkages moves freely				
Foot throttles operate porperly				
Inspect for oil leaks				
Loose or missing fasteners, covers, or decals				

**MOUNTING**

Inspection Item	S	U	N	Resolution / Comments
Pedestal mounting bolts torqued to specifications				
Stabilizer mounting bolts torqued to specifications				
Frame stiffeners installed properly				
Subframe centering channels welded into place on bottom of subframe				
Completed Crane Truck Axle Weights				
Stability Test Completed and Passed				

**TRUCK**

Inspection Item	S	U	N	Resolution / Comments
Tire pressure				
Owner's manual & certificate of completion in cab				
Engine oil and engine coolant level				
Transmission fluid level				
Air leaks				
All lights function properly				
Request for delayed warranty start date form completed. (applies to truck chassis only)				
Perform truck safety & maintenance checks per truck manual.				
Final Stage Manufacturer Decal				

**DECALS AND APPEARANCE**

Inspection Item	S	U	N	Resolution / Comments
Correct Load Chart Installed				
Serial Number palte Installed, Model & S/N legible				
Paint and overall appearance				
Decals installed as per applicable drawing				
Wash truck and crane				
Clean truck interior				

CODES S-Satisfactory, U-Unsatisfactory, N-Not Applicable



Dealer shall return this form in its entirety to Manitowoc Boom Trucks upon installation of crane. This form shall serve as proof of final checks performed by the Dealer and any corrective action taken to ensure that the crane is mounted in a manner consistent with MBT requirements and quality standards.

Complete and submit this form (MBT-DMFT1), Certification and Agreement form (MBT-CA1) and Worksheet for Evaluation of Dealer or Customer supplied Trucks (MBT-KDM1) to the MBT Product Support Department. These forms must be on file at MBT for each Dealer mounted crane kit when the Warranty Registration form is submitted.

Crane warranty will not be validated unless all forms are on file at MBT. Refer to your Service Policy Manual for details regarding Dealer responsibilities for filing Warranty forms.

Dealer to retain a copy, for his crane file, of all forms returned to MBT.

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Dealer Name (Please Print)

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Signature

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Date Completed

