

WSM

WORKSHOP MANUAL **TRACTOR**

**M4500(A/AC), M5500(A/AC),
M7500(A/AC)**

Кубота

TO THE READER

This Workshop Manual has been prepared to provide servicing personnel with information on the mechanisms, service and maintenance of Kubota Tractor M4500(DT)-A(AC), M5500(DT)-A(AC) and M7500(DT)-A(AC). It is divided into two parts, "Mechanism" and "Disassembly and Servicing."

■ Mechanism

Information on construction and functions are included for each tractor section. This part should be understood before proceeding with troubleshooting, disassembly and servicing.

■ Disassembly and Servicing

Under the heading "General" comes general precautions, troubleshooting, and lists of servicing reference values and periodic inspection items. For each tractor section, there are "Checking and Adjustment", "Disassembly and Assembly", and "Servicing" which cover procedures, precautions, reference values and allowable limits.

For a detailed engine description, for D3000-A and V4000-A engines, refer to "Kubota Diesel Engine Workshop Manual D3000-B · D3200-B · V4000-B · V4300-B" (Code No. 97897-00740), and for S2600-A engine, refer to "Kubota Diesel Engine Workshop Manual S2200-B · S2600-B · S2800-B (Code No. 97897-00770).

All information, illustrations and specifications contained in this manual are based on the latest production information available at the time of publication. The right is reserved to make changes in all information at any time without notice.

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M MECHANISM

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GENERAL

[1] SPECIFICATIONS

Model				M4500-A(AC) (2WD)		M4500DT-A(AC) (4WD)	
Maximum PTO power				36.55kW (49.7PS, 49HP) *			
Engine	Model			S2600—A			
	Type			Vertical, water-cooled, 4-cycle diesel engine			
	Number of cylinders			6			
	Total displacement			2598cm ³ (158.5 cu.in.)			
	Bore and stroke			82 x 82mm (3.23 x 3.23 in.)			
	Engine gross power			41.4kW (56.3PS, 55.5HP)			
	Rated revolution			2600 rpm			
	Maximum torque			158N·m (16.2kgf·m, 117.6ft·lbs)/1400 rpm			
	Battery			12V 150Ah			
	Fuel			Diesel fuel No.1-D [below −10°C (15°F)] Diesel fuel No.2-D [above −10°C (15°F)] (ASTM D975)			
	Fuel tank capacity			54ℓ (57.0 U.S. qts., 47.5 Imp. qts.)			
	Engine crankcase capacity			12ℓ (13.0 U.S. qts., 10.6 Imp. qts.)			
	Engine coolant capacity			8.4ℓ (8.9 U.S. qts., 7.4 Imp. qts.)			
Dimensions	Overall length			3365mm (132.5 in.)		3495mm (137.6 in.)	
	Overall width			1685mm (66.3 in.)		1785mm (70.3 in.)	
	Overall height			2260mm (89.0 in.)		2290mm (90.2 in.)	
	Wheel base			1985mm (78.1 in.)		2020mm (79.5 in.)	
	Tread	Front	1280 to 1880mm (50.4 to 74.0 in.)		1420mm (55.9 in.)		
		Rear	with extension steps	1500 to 1900mm (59 to 75 in.)			
			without extension steps	1300 to 1900mm (51 to 75 in.)			
	Minimum ground clearance			395mm (15.6 in.)		340mm (13.4 in.) (at the bottom of front differential case)	
Weight				1920kg (4233 lbs)		2200kg (4850 lbs)	
Traveling system	Tire size	Front tires		6.00—16—6PR (AG)		8.3/8—24—6PR (AG)	
		Rear tires		14.9/13—28—6PR (AG)			
	Clutch		Dry, single plate				
	Steering		Power steering				
	Transmission		16 forward and 4 reverse (AC type) 8 forward and 2 reverse (A type) F: 1st. 2nd constant mesh 3rd. 4th Synchronized mesh R: Constant mesh				
	Brake		Multiple wet discs operated by two foot pedals				
Hydraulic system	Differential		Bevel gears (with differential lock)				
	Hydraulic control system		Position control, draft control and mixed control				
	Pump-up capacity		35ℓ/min (37.0 U.S. qts./min, 30.8 Imp. qts./min)				
	Three-point hitch		Category I-II				
Maximum lifting force		1700kg (3740 lbs)					
PTO	Live PTO (A type AC type)			Independent			
		Direction of turning		Clockwise, viewed from tractor rear			
		PTO speed		540 rpm at 2193 engine rpm (1000 rpm at 2521 engine rpm according to specifications)			
	Ground PTO (AC type)	Direction of turning		Clockwise, viewed from tractor rear			
		PTO speed		1.59 turns/m (0.48 turns/ft) (with 14.9 —28 tires)			
Traction system				Swing drawbar, adjustable in direction and height			

Note: *Maximum PTO horse power in Official Test.

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