

INTRODUCTION

This Workshop Manual is composed of three sections.

■ **First section**

Servicing information for the F2000 Kubota front mower.

■ **Second section**

Servicing information for the F2000-II and F2400 Kubota front mowers. Please note, however, that the servicing information for the F2000 which applies also to the F2000-II and F2400 is not repeated in this section.

■ **Third section**

Servicing information for the F2400B Kubota front mowers. Please note, however, that the servicing information for the F2400 which applies also to the F2400B is not repeated in this section.

Please make full use of this workshop manual to service Kubota front mowers and ensure your customers' complete satisfaction

April. '91

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TO THE READER

This Workshop Manual has been prepared to provide servicing personnel with information on the mechanism, service and maintenance of KUBOTA Front Mower F2000. It is divided into two parts, "Mechanism" and "Servicing".

■ Mechanism

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

■ Servicing

Under the heading "General" comes general precautions, check and maintenance and special tools. For each section, there are troubleshooting, servicing specification lists, checking and adjusting, disassembling and assembling, and servicing which cover procedures, precautions, factory specifications and allowable limits.

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.

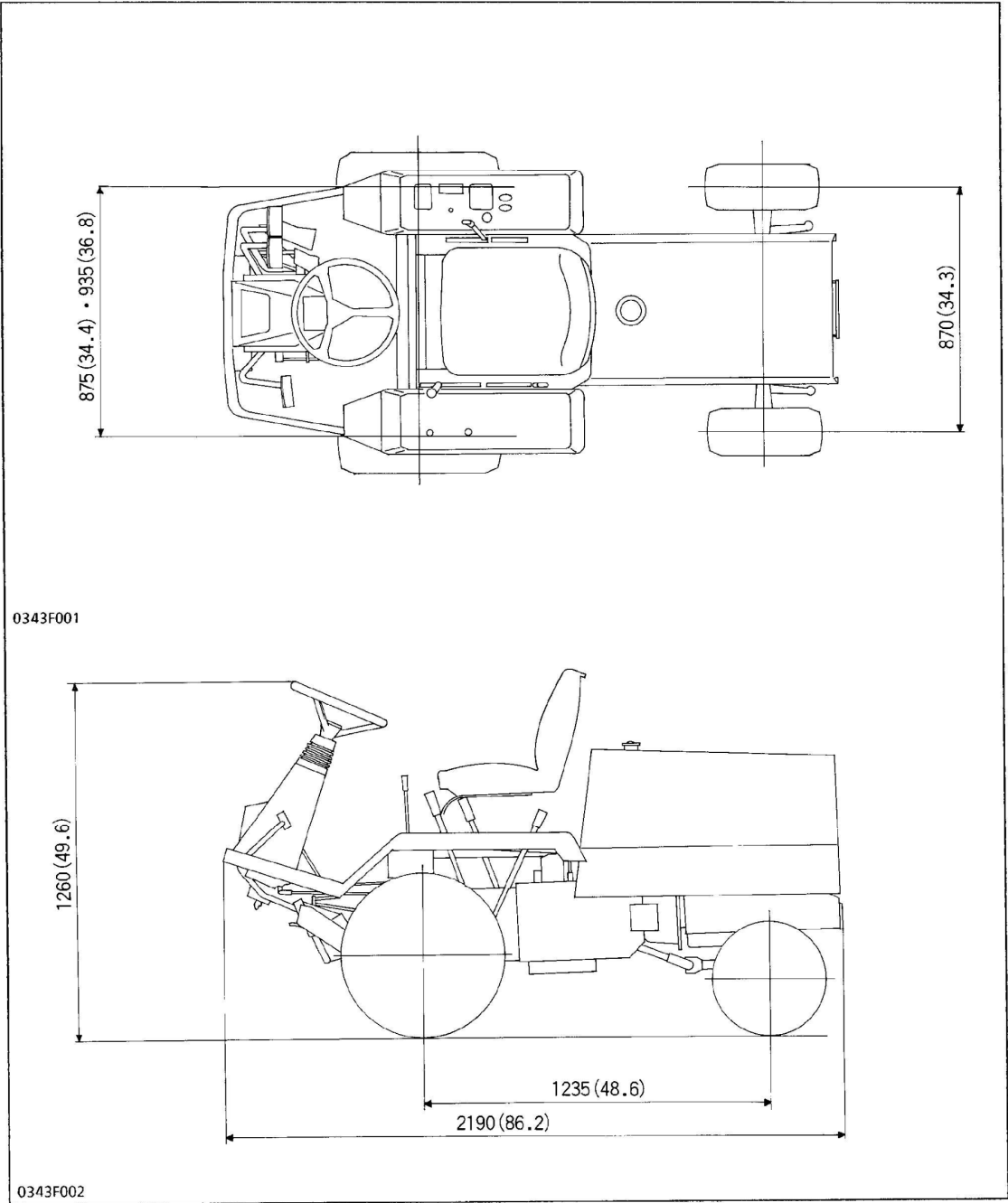
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SPECIFICATIONS

Model			F2000
Maximum P.T.O. power			16.5 HP (12.3 kW)
Engine gross H.P. (SAE)			20 HP (14.9 kW)
Engine	Model		D950-FM
	Type		Vertical, water cooled, 4-cycle diesel
	Number of cylinders		3
	Bore and stroke		75 mm x 70 mm (3.0 in. x 2.8 in.)
	Total displacement		927 cm ³ (56.6 cu.in.)
	Rated revolution		2600 rpm (43.3 r/s)
	Combustion chamber		Spherical Type
	Fuel injection pump		Bosh type K mini pump (NP-PFR3KD50/2 NP4)
	Governor		Centrifugal ball mechanical governor
	Injection nozzle		"Throttle" type (ND-DN12 SD12)
	Injection timing		20° to 22° before top dead center
	Injection order		1-2-3
	Injection pressure		13.73 MPa (140 kgf/cm ² , 1991 psi)
	Compression ratio		22
	Lubricating system		Forced lubrication by trochoidal pump
	Cooling system		Water with pressurized radiator
	Lubricating oil		MIL-L-2104B or MIL-L-2104C, quality better than CC class (API)
	Starting system		Electric starter with battery, glow plug, 12V, 0.8 kW
	AC dynamo		12 V (150 W)
	Battery		12 V (65 Ah)
	Fuel		Diesel fuel No.2-D [No.1 diesel fuel, if temperature is below -10°C (15°F)]
	Weight (Dry)		105 kg (232 lbs)
Capacities	Fuel tank		34 ℓ (9.0 U.S. gals.)
	Engine crankcase		3.1 ℓ (3.3 U.S. qts.)
	Engine coolant		3.7 ℓ (3.9 U.S. qts.)
	Transmission case		12.7 ℓ (13.4 U.S. qts.)
	Rear axle diff. case		1.5 ℓ (1.6 U.S. qts.)
	Rear axle gear case		0.5 ℓ (0.5 U.S. qts.)
Tires	Front		23 x 10.50-12 (4PR) Turf
	Rear		16 x 6.50-8 (4PR) Turf
Traveling speeds	Forward	Low	0 to 7.4 m/h (4.6 mph)
		High	0 to 15.2 m/h (9.5 mph)
	Reverse	Low	0 to 4.4 m/h (2.8 mph)
		High	0 to 9.0 m/h (5.6 mph)
Dimensions	Overall length		2190 mm (86.2 in.)
	Overall width		1140 mm (44.9 in.)
	Overall height		1260 mm (49.6 in.)
	Wheel base		1235 mm (48.6 in.)
	Minimum ground clearance		175 mm (6.9 in.)
	Treads	Front	875 mm (34.4 in.) 935 mm (36.8 in.)
		Rear	870 mm (34.3 in.)
Weight			625 kg (1380 lbs) w/o mower deck
PTO shaft			Transmission case front
Front PTO			Kubota 10 tooth involute spline, 2 speeds (1130 and 2550 rpm at 2600 engine rpm) (18.9 and 42.5 r/s at 43.3 engine r/s)
Clutch			Dry single
Steering			Power, hydrostatic
Transmission			Main-hydrostatic transmission, High-Low gear shift (2 forward, 2 reverse)
Minimum turning radius m (feet)			LH 0.53 m (1.7 feet) w/o brake
Brake			Internal expanding type, right and left independent with interlocking device
Differential			Bevel gear

DIMENSIONS

mm (in.)



M MECHANISM

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