110 and 112 Lawn and Garden Tractors Serial No. (100,001 - 250,000)





SERVICE MANUAL

110 and 112 Lawn and Garden Tractors Serial No. (100,001 - 250,000)

SM2088 (01NOV69) English



John Deere Lawn & Grounds Care Division SM2088 (01NOV69)

> LITHO IN U.S.A. ENGLISH



·				·	
					er er
					<u> </u>
					· · · · · · · · · · · · · · · · · · ·

Service Manual 110 AND 112 LAWN AND GARDEN TRACTORS (Serial No. 100,001-)

CONTENTS

SECTION 10 - GENERAL

Group 5 - Tractor Identification

Group 10 - Specifications

Group 15 - Tune-Up and Adjustment

Group 20 - Fuel and Lubricants

SECTION 20 - ENGINE

Kohler Engines

Group 5 - General Information

Group 10 - Cylinder Head, Valves and Breather

Group 15 - Piston, Crankshaft, Main Bearings and Flywheel

Group 20 - Camshaft, Tappets and Gover-

Tecumseh Engine

Group 25 - General Information

Group 30 - Cylinder Head, Valves and Breather

Group 35 - Piston, Crankshaft, Main Bearings and Flywheel

Group 40 - Camshaft, Tappets and Governor

SECTION 30 - FUEL SYSTEM

Group 5 - General Information

Group 10 - Carburetor

Group 15 - Air Cleaner

Group 20 - Sediment Bowl, Fuel Strainer and Gas Tank

Group 25 - Fuel Pump (112 Kohler Only)

SECTION 40 - ELECTRICAL SYSTEM

Group 5 - General Information

Group 10 - Cranking System

Group 15 - Ignition System (Magneto)

Group 20 - Ignition System (Battery)

Group 25 - Ignition System (Solid State)

Group 30 - Charging System

SECTION 50 - POWER TRAIN

Group 5 - General Information

Group 10 - Clutch, Brake and Variable Speed Drive

Group 15 - 4-Speed Transaxle

SECTION 60 - HYDRAULIC SYSTEM

Group 5 - General Information

Group 10 - Control Valve

Group 15 - Pump

Group 20 - Cylinder

SECTION 70 - MISCELLANEOUS

Group 5 - Steering Linkage

Group 10 - Front Wheels and Axles

Group 15 - Lift Linkage

INTRODUCTION



Service Manual

This service manual contains service and maintenance information for John Deere 110 and 112 Lawn and Garden Tractors (Serial No. 100,001-).

The manual is divided into sections. Each section pertains to a certain component or operational system of the tractor. The information is divided into groups within each section.

Emphasis is placed on diagnosing malfunctions, analysis and testing. Diagnosing malfunctions includes possible troubles, their causes and how to correct them. Under specific components these troubles are analyzed to help you understand what is causing the problem. In this way, you can eliminate the cause

rather than just replace parts and have the same problem keep recurring.

Specifications and special tools are found at the end of the Groups for easy reference.

This manual can be kept in its own cover, or it can be removed and filed in your service manual rack or placed behind the service manual tab in your Lawn and Garden Parts and Service Binder.

Whenever new or revised pages are provided, insert them into your manual as soon as you receive them. Your service manual will always be up-to-date and be a valuable asset in your service department.

Section 10 GENERAL

Group 5 TRACTOR IDENTIFICATION

TABLE OF CONTENTS

P	Page		Page			
GROUP 5 - TRACTOR IDENTIFICATION		GROUP 15 - TUNE-UP AND ADJUSTMENT				
Serial Numbers	5-2	Preliminary Engine Testing	15-1			
Vintage Information	5-2	Minor Tune-Up Guide	15-1			
Serial Number Plates	5-3	Major Tune-Up Guide				
Identification Codes						
		GROUP 20 - FUEL AND LUBRICANTS				
GROUP 10 - SPECIFICATIONS		Fuel	20-1			
Engine Specifications	0-1	Lubricants	20-1			
Electrical System10	0-1	Capacities				
Capacities	0-1	Type of Lubricant				
Fuel and Lubricant	0-2	Service Intervals				
Transmission and Axle	0-2	Changing Crankcase Oil				
Brakes, Clutch and Steering	0-2	Changing Transaxle Oil				
Curb Weights10	0-2	Grease Fitting Locations				
Tire Specifications and Tractor Dimensions 10	0-3	Repack PTO Clutch Bearing				
Bolt Torque Chart		· •				
Set Screw Seating Torque Chart 10	0_4					



Thank you very much for your reading.

Please click here to get more information.