

2940 Tractor



TECHNICAL MANUAL

2940 Tractor

TM1220 (01MAR83) English



John Deere Tractor Works TM1220 (01MAR83)

> LITHO IN U.S.A. ENGLISH



2940 TRACTOR TECHNICAL MANUAL TM-1220 (MAY-82)

CONTENTS

SECTI	ON	10 -	GENERAL
-------	----	------	----------------

Group 00 - Specifications and Special Tools

Group 05 - Predelivery, Delivery, and After-Sales Inspections

Group 10 - Lubrication and Service

Group 15 - Tune-Up

Group 20 - Tractor Separation

SECTION 20 - ENGINE

Group 00 - Specifications and Special Tools

Group 05 - General Information, Diagnosing Malfunctions

Group 10 - Cylinder Head, Valves and Camshaft

Group 15 - Cylinder Block, Liners, Pistons and Rods

Group 20 - Crankshaft, Main Bearings and Flywheel

Group 25 - Timing Gear Train

Group 30 - Engine Lubrication System

Group 35 - Engine Cooling System

SECTION 30 - FUEL SYSTEM

Group 00 - Specifications and Special Tools

Group 05 - General Information, Diagnosing Malfunctions

Group 10 - Fuel Tank, Transfer Pumps, and Filter

Group 15 - Roto Diesel Fuel Injection Pump

Group 20 - Fuel Injection Nozzles

Group 25 - Ether Starting Aids

Group 30 - Speed Control Linkage

Group 35 - Air Intake System

SECTION 40 - ELECTRICAL SYSTEM

Group 00 - Specifications and Special Tools

Group 05 - Description and Diagnosing

Malfunctions

Group 10 - Wiring Harnesses

Group 15 - Controls and Instruments

Group 20 - Lighting System

Group 25 - Wiring Diagram

Group 30 - Starting Motor

Group 35 - Alternator

SECTION 50 - POWER TRAIN

Group 00 - Specifications and Special Tools

Group 05 - Description, Operation and Lubrication System

Group 10 - Clutch Operating Assemblies

Group 15 - Engine Clutches

Group 20 - Hi-Lo Shift Unit

Group 25 - Transmission Shift Linkage

Group 30 - Synchronized Transmission and Transmission Oil Pump

Group 35 - Differential

Group 40 - Final Drive

Group 45 - Independent PTO

Group 50 - Mechanical Front Wheel Drive

SECTION 60 - STEERING SYSTEM AND BRAKES

Group 00 - Specifications and Special Tools

Group 05 - Steering System

Group 10 - Brakes

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

COPYRIGHT® 1982
DEERE & COMPANY
Moline, Illinois
All rights reserved
Previous Edition
Copyright® 1980 Deere & Company

CONTENTS - Continued

SECTION 70 - HYDRAULIC SYSTEM

Group 00 - Specifications and Special Tools

Group 05 - Hydraulic System Operation

and Tests

Group 10 - Oil Reservoir, Filter, Valves and

Oil Cooler

Group 15 - Hydraulic Pump

Group 20 - Rockshaft

Group 25 - Selective Control Valve and

Breakaway Coupler

Group 30 - Remote Cylinder

SECTION 80 - MISCELLANEOUS

Group 00 - Specifications

Group 05 - Front Axle

Group 10 - Front and Rear Wheels

SECTION 90 - OPERATOR'S STATION

Group 00 - Specifications and Special Tools

Group 05 - Air Conditioning System

Group 10 - Cab Ventilation and Heating

Group 15 - Seats

Group 20 - Sound Gard Body

Group 25 - Roll-Gard Protective Structure

Section 10 **GENERAL**

CONTENTS OF THIS SECTION

		Page	•	Page
G	ROUP 00 - SPECIFICATIONS AND SPEC	CIAL	GROUP 05 - PREDELIVERY, DELIVERY A AFTER-SALES INSPECTION	
	Specifications	10-00-3	Tractor Storage	10-05-1
	Serial Numbers	10-00-3	Predelivery Inspection	10-05-2
	Model Numbers	10-00-3	Delivery Inspection	10-05-8
	Engine	10-00-3	After-Sales Inspection	10-05-9
	Engine Clutch	10-00-4		
	Cooling System	10-00-4	GROUP 10 - LUBRICATION AND SERVICE	Έ
	Fuel System	10-00-4	Lubrication and Service	10-10-1
	Electrical System	10-00-4		
	Synchronized Transmission	10-00-4	GROUP 15 - TUNE-UP	
	Hi-Lo Shift Unit	10-00-4	Preliminary Engine Testing	10-15-1
	Differential and Final Drives	10-00-5	Dynamometer Test	10-15-1
	Differential Lock	10-00-5	Testing Compression Pressure	10-15-2
	PTO	10-00-5	Tune-Up	10-15-3
	Mechanical Front Wheel Drive	10-00-5	Checking Tractor Operation	10-15-8
	Hydrostatic Steering	10-00-6	Standard Torques	10-15-9
	Foot Brakes	10-00-6		
	Handbrake	10-00-6	GROUP 20 - TRACTOR SEPARATION	
	Hydraulic System	10-00-6	Separating between Engine and	
	Capacities	10-00-6	Tractor Front End	10-20-1
	Travel Speeds	10-00-6	Removal and Installation of Engine	10-20-5
	Front and Rear Wheels	10-00-6	Removal and Installation of	
	Dimensions and Weights	10-00-6	Clutch Housing	10-20-7
	Predelivery, Delivery and		Removal and Installation of	
	After-Sales Inspections	10-00-7	Final Drives	10-20-9
	Lubrications and Service	10-00-8	Removal and Installation of	
	Tune-up	10-00-9	Rockshaft	
	Tractor Separation	10-00-10	Removal of Sound-Gard Body	10-20-13
		10-00-11	Installation of Sound-Gard Body	10-20-17
	Special Tools	10.00.12		



Thank you very much for your reading.

Please click here to get more information.