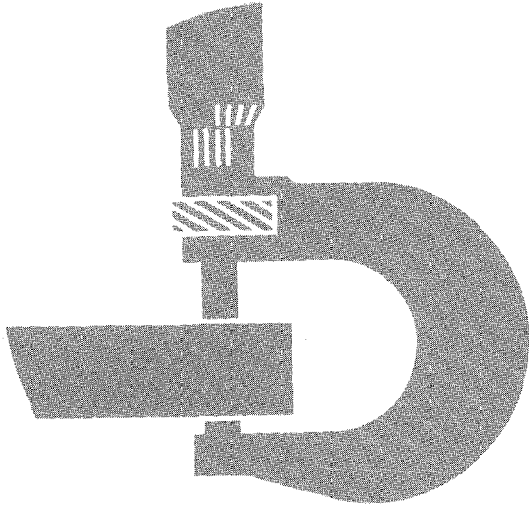


John Deere JD740 Grapple Skidder



TECHNICAL

PDF



DOWNLOAD



TM-1101

Litho in U.S.A. (T) New

JD740 GRAPPLE SKIDDER

Technical Manual
TM-1101 (Jan-80)

SECTION AND GROUP CONTENTS OF THIS MANUAL

- Section I - General Information
 - Group I - Contents and Index
 - Group II - Introduction and Safety Information
- Section 10 - GENERAL
 - Group 5 Specifications
 - Group 10 Predelivery, Delivery, and After-Sale Services
 - Group 15 Lubrication
- SECTION 20 - ENGINE
 - Group 5 Engine Removal and Installation
 - Group 10 Basic Engine
 - Group 15 Engine Lubrication System
 - Group 20 Engine Cooling System
 - Group 25 Fuel System
 - Group 30 Speed Control Linkage
 - Group 35 Air Intake System
 - Group 40 Specifications and Special Tools
- Section 30 - ELECTRICAL SYSTEM
 - Group 5 Batteries
 - Group 10 Charging System
 - Group 15 Starting System
 - Group 20 Lighting and Accessory Components
 - Group 25 Specifications and Special Tools
- Section 40 - POWER TRAIN
 - Group 5 Engine Disconnect Clutch
 - Group 10 Drive Shafts
 - Group 15 Power Shift Transmission
 - Group 20 Axle Assemblies
 - Group 25 Differential
 - Group 30 Specifications and Special Tools
- Section 50 - HYDRAULIC SYSTEM
 - Group 5 Hydraulic Pumps
 - Group 10 Rotate Motor
 - Group 15 Steering Valve
 - Group 20 Brake Valve
 - Group 25 Hydraulic Rotary Joint
 - Group 30 Miscellaneous Control Valves
 - Group 35 Filters, Oil Cooler, Accumulators, and Sump
 - Group 40 Cylinders, Lines, and Fittings
 - Group 45 Specifications and Special Tools
- Section 60 - MISCELLANEOUS COMPONENTS
 - Group 4 Separation
 - Group 5 Winch (-218191)
 - Group 6 Main Winch (218192-)
 - Group 10 Boom and Grapple
 - Group 15 Frames
 - Group 16 Fire Suppression System
 - Group 17 Fire Extinguisher
 - Group 20 Blades
 - Group 25 Log Arch
 - Group 30 Specifications and Special Tools
- Section 70 - SYSTEM TESTING
 - Group 5 General Information
 - Group 10 Engine
 - Group 15 Electrical System
 - Group 20 Power Train
 - Group 25 Hydraulic System
 - Group 26 Hydraulic System (Analyzer)
 - Group 30 Miscellaneous Components
 - Group 35 Specifications and Special Tools

The specifications and design information contained in this manual were correct at the time this machine was manufactured. It is John Deere's policy to continually improve and update our machines. Therefore, the specifications and design information are subject to change without notice. Wherever applicable, specifications and design information are in accordance with SAE and ICED standards.

Copyright © 1974
DEERE & COMPANY
Moline, Illinois
All rights reserved

A-00

ALPHABETICAL INDEX

A	D		
Accessory components	30-20-4	Damper, vibration	20-10-16
Accumulator, brake	50-35-10	Dash lamps	30-20-1
Accumulator, C1, C2	50-30-34	Deglazing cylinder liners	20-10-11
Accumulator, emergency steering	50-35-12	Delivery service	10-10-18
After-sale inspection	10-10-18	Diagnosis and testing	70-5-2
Air cleaner	20-35-1	Differential	40-25-1
Air intake system	20-35-1	Differential lock valve	50-30-4
Alternator, 22 amp, without cab	30-10-1	Disconnect clutch, engine	40-5-2
Alternator, 42 amp (all units)	30-10-17	Drive shafts	40-10-1
Alternator, 55 amp (with cab)	30-10-11		
Ammeter	30-20-3	E	
Analyzer testing	70-26-1	Electrical system testing	70-15-1
Axle assemblies	40-20-1	Block diagram	70-15-6, 70-15-11
Axle housing	40-20-5	Component location	70-15-10
		Component wire routing	70-15-16
B		Diagnosing malfunctions	70-15-8
Basic engine	20-10-1	Precautions	70-15-6
Batteries	30-5-2	Schematic diagram	70-15-6, 70-15-13
Bearings, main	20-10-15	Testing and adjustment	70-15-25
Blade control valves	50-30-6	Theory of operation	70-15-1
Blade lift cylinder	50-40-1	Visual inspection	70-15-7
Blade tilt cylinder	50-40-4	Emergency steering accumulator	50-35-12
Blades	60-20-1	Emergency steering low pressure warning switch	50-35-15
Bleeding brake valve	50-20-3	Emergency steering warning system	30-20-4
Bleeding fuel injection pump	20-25-6	Engine and equipment frames separation	60-4-6
Boom	60-10-1	Engine components	20-10-1
Boom and arch cylinder	50-40-5	Camshaft	20-10-6
Brake accumulator	50-35-10	Connecting rods	20-10-11
Brake, parking (-210081)	40-10-8	Coolant heater	20-20-6
Brake, parking (210082-)	40-10-12	Crankshaft	20-10-14
Brake valve	50-20-1	Cylinder block	20-10-9
		Cylinder head	20-10-2
C		Cylinder liners	20-10-12
Cab separation	60-4-4	Flywheel	20-10-14
Camshaft	20-10-6	Main bearings	20-10-15
Canopy (ROPS) separation	60-4-3	Piston rings	20-10-10
Charge pump, transmission	50-5-5	Pistons	20-10-12
Circuit breaker, starting system	30-20-3	Rocker arm assembly	20-10-2
Clutch disconnect	40-5-2	Valves	20-10-1
Connecting rods	20-10-11	Engine coolant heater	20-20-6
Coolant heater	20-20-6	Engine, cooling system	20-20-1
Cold weather starting aids	20-35-11	Engine frame	60-15-1
Cooling system, engine	20-20-1	Engine fuel system	20-25-1
Crankshaft	20-10-14	Engine lubrication system	20-15-1
Cylinder block	20-10-9	Engine oil cooler	20-15-2
Cylinder head	20-10-2	Engine oil filter	20-15-1
Cylinder liners	20-10-12	Engine oil pressure gauge	30-20-1
Cylinder liners, deglazing	20-10-11	Engine oil pump	20-15-4
Cylinders	50-40-1		



Thank you very much
for your reading.
Please click here
to get more information.