7210 and 7410 Tractors

John Deere Waterloo Works
OMAR162572 Issue F9
(This manual replaces OMAR162572 K8)
Export Edition
LITHO IN U.S.A.
ENGLISH

Introduction

READ THIS MANUAL carefully to learn how to operate and service your machine correctly. Failure to do so could result in personal injury or equipment damage. This manual and safety signs on your machine may also be available in other languages. (See your John Deere dealer to order.)

THIS MANUAL SHOULD BE CONSIDERED a permanent part of your machine and should remain with the machine when you sell it.

MEASUREMENTS in this manual are given in both metric and customary U.S. unit equivalents. Use only correct replacement parts and fasteners. Metric and inch fasteners may require a specific metric or inch wrench.

RIGHT-HAND AND LEFT-HAND sides are determined by facing in the direction the implement will travel when going forward.

WRITE PRODUCT IDENTIFICATION NUMBERS (P.I.N.) in the Specification section. Accurately record all the numbers to help in tracing the machine should

it be stolen. Your dealer also needs these numbers when you order parts. File the identification numbers in a secure place off the machine.

WARRANTY is provided as part of John Deere's support program for customers who operate and maintain their equipment as described in this manual. The warranty is explained on the warranty certificate which you should have received from your dealer.

This warranty provides you the assurance that John Deere will back its products where defects appear within the warranty period. In some circumstances, John Deere also provides field improvements, often without charge to the customer, even if the product is out of warranty. Should the equipment be abused, or modified to change its performance beyond the original factory specifications, the warranty will become void and field improvements may be denied. Setting fuel delivery above specifications or otherwise overpowering machines will result in such action.

THE TIRE MANUFACTURER'S warranty applicable to your machine may not apply outside the U.S.



RX7010WEXP, IFC -19-21AUG96



John Deere Waterloo Works

Deere Customer:

Congratulations on the purchase of your John Deere tractor and, if you are a new customer, welcome to the John Deere family. We believe you will find your new tractor meets your expectations.

Of course, the tractor is just one aspect of the John Deere ownership experience. A great deal of your satisfaction also depends on the performance of the people who represent the care and service of John Deere products. From your dealer sales representative, to the service department, to the parts department, the people of John Deere will strive to make your ownership experience truly exceptional.

This operator's manual provides information for the safe operation of your tractor. Recommendations for service and maintenance are also included.

The Technical Publications Group, and the entire team at John Deere Waterloo Works, would like to confirm our commitment to your satisfaction. Our goal is to assure your John Deere tractor brings you many years of satisfactory service.

Technical Publications
John Deere Waterloo Works

Contents

Page	Page
Safety	
	Starting the Engine
Safety Signs	Stopping the Engine
Controls and Instruments	Auxiliary Heaters
Command Console	Booster Battery
Function Indicators	·
Single Lever Control	Operating the Tractor
Instrument Panels	Foldable ROPS
Analog	Avoid Pesticides
Digital	Creeper
Display Functions	Headland Management
Calibrating Tire Size-With Radar 15-10	Reverser
Performance Monitor	Hydraulic System Warm-up
1 toda	Mechanical Front-Wheel Drive
Lights Operating Lights	Brakes
Open Station	
Cab	Hitch
Hazard	Components and Controls 40-1
Turn Signals, Horn, and Head Lights 20-3	Hitch Operation
Seven-Terminal Outlet	Sway Blocks
Owensten Station	Attaching and Detaching Implements 40-8
Operator Station Seats	Adjusting Implement Level 40-11
Step Removal	Adjusting Lift Links
Heater/Air Conditioner	Lateral Float 40-12 Hitch Conversion 40-13
Windshield Wiper	Tillian Conversion
Steering Wheel	Remote Hydraulic Cylinders
Radio	Cylinder Hoses
Cassette	SCV Operation
Mobile Radio	Detent Relief Setting
Accessory Electrical Outlet	Relief Valve Manual Lowering
Power Strip	Hydraulic Motor Return
	Power Beyond
Operating the Engine	Remote Cylinders 45-12
Emissions	• "
rie-starting checks	Continued on next page

All information, illustrations and specifications in this 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.

OMAR162572 F9-19-09JUN99

COPYRIGHT® 1999
DEERE & COMPANY
Moline, Illinois
All rights reserved
A John Deere ILLUSTRUCTION® Manual
Previous Editions
Copyright 1998 Deere & Company

Contents

Page	Pag	je
Drawbar and PTO Drawbar	Transmission-Hydraulic Oil	-9
Optimum Performance/Ballast	Axle Wheel Hub Oil	
Guidelines 55-1 Power Hop 55-3 Determining Ballast 55-6 Liquid Weight 55-8	Break-In Period Engine	
Rear Cast Iron Weights 55-10 740 Loader 55-11 Implement Codes 55-11 Quik-Tatch Weights 55-14	Service Service Reference Chart	-1 -2
Wheels, Tires, and Treads Guidelines	Service Interval Charts	-4
Tire Combinations 60-7 Wheel and Axle Bolts 60-8 Front Tread Settings 60-10 Standard 60-10 Extensions 60-11 Hi-Crop 60-12	Service/Daily or Every 10 Hours Engine Oil 85- Coolant 85- Transmission-Hydraulic Oil 85- Water Separator 85- Rear Axle Bearings 85-	-1 -2 -2
Front Axle Adjustment	Front Wheel Bearings 85- Front Axle 85- Front PTO 85- MFWD Axle 85- Hitch and Lift Linksa 85-	-3 -4 -4 -5 -5
Steering Atops 60-17 Adjust Fenders 60-20 Rear Wheel Adjustment 60-23 Steel 60-24	Service/250 Hours Engine Oil and Filter	-1 -2
Rear Wheel Tread Settings-Singles Flanged Axles	Fire Extinguisher 90- Batteries 90- Fuel Tank Sump 90- Wheel Bolts 90- Neutral Start System 90-	-3 -5 -6
Rear Wheel Tread Settings-Duals Dual Hub Extensions 60-33	Cab Air Filters	.9 .9
Transport Driving	MFWD Housing and Wheel Hub Oil 90-1 Hi-Crop Axle Housing Oil 90-1 Front PTO 90-1	0
Towing Tractor	Service/750 Hours Transmission Filter	
Fuels, Lubricants, and Coolant Fuel	Rear Axle Bearings	-2
Engine Coolant	Continued on next pag	je

Contents

Page	Page
Engine Idle Speeds	Hitch
Service/1500 Hours	Tractor Operation
Transmission-Hydraulic Oil	Storage
MFWD Housing and Wheel Hub Oil 100-2 Hi-Crop Axle Housing Oil 100-2	Specifications
Fuel Injection Nozzles	Specifications
Draft Link Support Shaft Bushing 100-3	Ground Speeds
Belt Tensioner	Identification Numbers
Front PTO	
	Lubrication and Maintenance Charts 145-1
Service/2000 Hours	Classer. 450.4
Engine Valve Clearance 105-1	Glossary
Service/Annual	Index
Air Cleaner	
PTO Shaft	
Service/Two Years	
Cooling System and Thermostat Service 115-1	
Service/As Required	
Transmission Filter	
Hydraulic Filter	
Fuel Prefilter	
Fuel Filter	
Fuel System Bleed	
Thermostat Test	
Brakes Bleed	
Engine Compartment	
Grille Screens, Radiator, and Condenser 120-6	
Air Cleaner	
Fan Belt	
Head Lights	
Light Replacement	
Fuses and Relays	
Air Conditioning	
Alternator Replacement 120-16	
Troubleshooting	
Troubleshooting Engine	
Transmission	
Hydraulic System	
Brakes	

Safety

RECOGNIZE SAFETY INFORMATION

This is the safety-alert symbol. When you see this symbol on your machine or in this manual, be alert to the potential for personal injury.

Follow recommended precautions and safe operating practices.



-19-29SEP98

T81389

UNDERSTAND SIGNAL WORDS

A signal word—DANGER, WARNING, or CAUTION—is used with the safety-alert symbol. DANGER identifies the most serious hazards.

DANGER or WARNING safety signs are located near specific hazards. General precautions are listed on CAUTION safety signs. CAUTION also calls attention to safety messages in this manual.

A DANGER

A WARNING

A CAUTION

DX,SIGNAL

-19-03MAR93

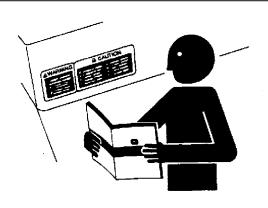
FOLLOW SAFETY INSTRUCTIONS

Carefully read all safety messages in this manual and on your machine safety signs. Keep safety signs in good condition. Replace missing or damaged safety signs. Be sure new equipment components and repair parts include the current safety signs. Replacement safety signs are available from your John Deere dealer.

Learn how to operate the machine and how to use controls properly. Do not let anyone operate without instruction.

Keep your machine in proper working condition. Unauthorized modifications to the machine may impair the function and/or safety and affect machine life.

If you do not understand any part of this manual and need assistance, contact your John Deere dealer.



-UN-23AUG88

DX,READ



OPERATING THE TRACTOR SAFELY



TS213



Careless use of the tractor can result in unnecessary accidents. Be alert to hazards of tractor operation. Understand causes of accidents and take every precaution to avoid them. Most common accidents are caused from:

- · Tractor roll-over
- · Improper starting procedures
- · Crushing and pinching during hitching
- · Collisions with other motor vehicles
- Entanglement in PTO shafts
- Falling from tractor

Avoid accidents by taking the following precautions:

- · Put transmission in PARK before dismounting. Leaving transmission in gear with engine stopped will NOT prevent the tractor from moving.
- · Be sure everyone is clear of tractor and attached equipment before starting engine.
- · Never try to get on or off a moving tractor.
- · When tractor is left unattended, place in PARK, lower implements to the ground, stop the engine, and remove the key.
- · Never go near an operating PTO or an operating implement.
- · Always fasten your seat belt in a ROPS equipped tractor.

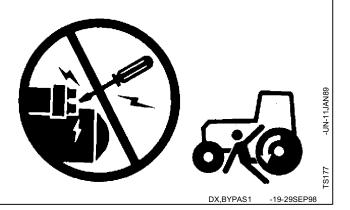


PREVENT MACHINE RUNAWAY

Avoid possible injury or death from machinery runaway.

Do not start engine by shorting across starter terminals. Machine will start in gear if normal circuitry is bypassed.

NEVER start engine while standing on ground. Start engine only from operator's seat, with transmission in neutral or park.

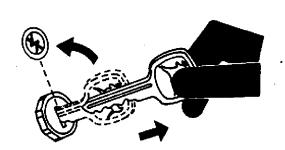


STOPPING AND PARKING TRACTOR

Tractor roll-over, collisions, runaway tractors, and people being crushed under machines and implements can happen when operators ignore safety.

To avoid these accidents, take some precautions:

- Signal before stopping, turning, or slowing down on public roads
- Pull over to side of road before stopping
- · Slow down before braking
- Pump brakes when stopping on slippery surfaces
- · Be careful when towing and stopping heavy loads
- · Shift to park or apply parking brake
- · Lower all equipment when leaving tractor
- Remove key



RX,STOP,PARK -19-21SEP92



USE ROPS AND SEAT BELT PROPERLY

If this tractor is equipped with a foldable ROPS, keep the ROPS in the fully extended and locked position. If the tractor is ever operated with ROPS folded (e.g., to enter a low building), drive with extreme caution. Do NOT use seat belt with the ROPS folded.

Return the ROPS to the raised, fully extended and locked position as soon as the tractor is operated under normal conditions. Always fasten your seat belt when the ROPS is fully extended and locked.

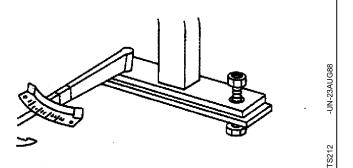


X,FOLDROPS -19-16APR92

KEEP ROPS INSTALLED PROPERLY

Make certain all parts are reinstalled correctly if the roll-over protective structure (ROPS) is loosened or removed for any reason. Tighten mounting bolts to proper torque.

The protection offered by ROPS will be impaired if ROPS is subjected to structural damage, is involved in an overturn incident, or is in any way altered by welding, bending, drilling, or cutting. A damaged ROPS should be replaced, not reused.



ROPS3 -19-03MAR93

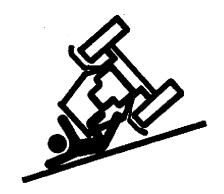


USE CAUTION ON HILLSIDES

Avoid holes, ditches, and obstructions which may cause tractor roll-over, especially on hillsides. Avoid sharp turns on hills.

Never drive near the edge of a gully or steep embankment.

Driving out of a ditch, mired condition, or up a steep slope could cause tractor to tip over rearward. Back out of these situations if possible.

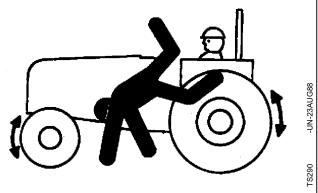


RX,HILL,SIDE1 -19-22SEP92

KEEP RIDERS OFF MACHINE

Only allow the operator on the machine. Keep riders off.

Riders on machine are subject to injury such as being struck by foreign objects and being thrown off of the machine. Riders also obstruct the operator's view resulting in the machine being operated in an unsafe manner.



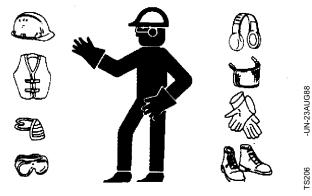
DX,RIDER

-19-03MAR93

WEAR PROTECTIVE CLOTHING

Wear close fitting clothing and safety equipment appropriate to the job.

Operating equipment safely requires the full attention of the operator. Do not wear radio or music headphones while operating machine.





Our support email: ebooklibonline@outlook.com