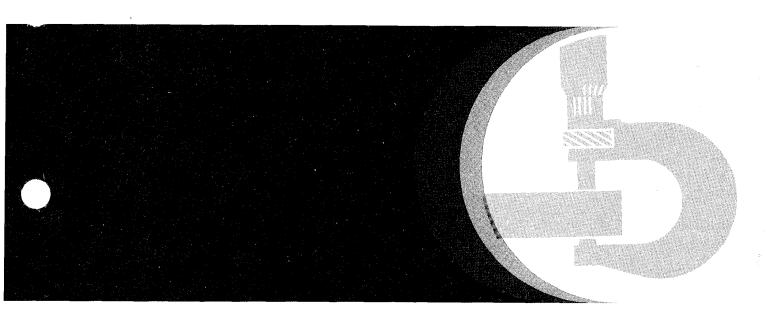
### John Deere JD750 Crawler Bulldozer





### **TECHNICAL MANUAL**

John Deere Dubuque Works TM-1136 (Mar-84)



Litho in U.S.A.

### SECTION AND GROUP CONTENTS OF THIS MANUAL

SECTION I - GENERAL INFORMATION	SECTION 5 - ENGINE AUXILIARY SYSTEMS
Group 1 - Contents and Index	Group 0505 - Cold Weather Starting Aids
Group II - Introduction and Safety Information	Group 0510 - Engine Cooling System
Group III - General Specifications	Group 0515 - Speed Controls
Group IV - Predelivery, Delivery and After-Sale Ser-	Group 0520 - Intake System
vices	Group 0530 - External Exhaust Systems
Group V - Fuels and Lubricants	Group 0540 - Mounting Frame
	Group 0560 - External Fuel Supply System
SECTION 1 - TRACKS	Group 0599 - Specifications and Special Tools
Group 0130 - Track Systems	
Group 0199 - Specifications and Special Tools	SECTION 8 - TRANSFER DRIVE
	Group 0841 - Housing and Covers
SECTION 2 - AXLES AND SUSPENSION	Group 0851 - Gears, Shafts, Bearings
SYSTEMS	Group 0899 - Specifications and Special Tools
Group 0201 - Drive Axle Housing	
Group 0250 - Axle Shaft, Bearings and Reduction	SECTION 11 - PARKING-EMERGENCY BRAKE
Gears	Group 1111 - Active Elements
Group 0299 - Specifications and Special Tools	Group 1115 - Controls Linkage
	Group 1160 - Parking Brake Hydraulics
SECTION 3 - TRANSMISSION	Group 1199 - Specifications and Special Tools
Group 0315 - Controls	
Group 0325 - Input Drive Shafts and U-Joints	SECTION 15 - EQUIPMENT ATTACHING
Group 0360 - Transmission Hydraulics	Group 1511 - Drawbar
Group 0370 - Clutch Disconnect and Controls	Group 1512 - Towbar
Group 0399 - Specifications and Special Tools	
	SECTION 16 - ELECTRICAL SYSTEMS
SECTION 4 - ENGINE	Group 1671 - Batteries, Supports and Cables
Group 0400 - Engine Removal and Installation	Group 1672 - Alternator, Regulator and Charging
Group 0401 - Crankshaft and Main Bearings	System Wiring
Group 0402 - Camshaft and Valve Actuating Means	Group 1673 - Lighting System
Group 0403 - Connecting Rods and Pistons	Group 1674 - Wiring Harness and Switches
Group 0404 - Cylinder Block	Group 1699 - Specifications and Special Tools
Group 0407 - Engine Oiling System	
Group 0408 - Ventilating System	SECTION 17 - FRAME, CHASSIS OR
Group 0409 - Cylinder Head and Valves	SUPPORTING STRUCTURE
Group 0410 - Exhaust Manifold	Group 1741 - Main Frame
Group 0413 - Fuel Injection System	Group 1746 - Frame Bottom Guards
Group 0416 - Turbocharger	OFOTION 40 OPERATORIO OTATIONI
Group 0417 - Water Pump	SECTION 18 - OPERATOR'S STATION
Group 0418 - Thermostats, Housings and Piping	Group 1806 - Safety Equipment
Group 0419 - Engine Oil Cooler	Group 1808 - Comfort and Convenience Items
Group 0420 - Fuel Filter	Group 1810 - Operator Enclosure
Group 0421 - Fuel Transfer Pump	Group 1821 - Seat
Group 0422 - Starting System	Group 1823 - Instruments and Indicators
Group 0433 - Flywheel, Housing and Fasteners	Group 1824 - External Engine Speed Control
Group 0499 - Specifications and Special Tools	Group 1830 - Heating and Air Conditioning
	Group 1899 - Specifications and Special Tools

### SECTION AND GROUP CONTENTS OF THIS MANUAL—Continued

SECTION 19 - SHEET METAL AND STYLING

Group 1910 - Hood or Engine Enclosure

Group 1921 - Grille and Grille Housing

SECTION 32 - DOZER

Group 3201 - Blade

Group 3215 - Controls Linkage

Group 3242 - Sub Frame

Group 3243 - Movable Frames

Group 3260 - Dozer Hydraulics

Group 3299 - Specifications and Special Tools

SECTION 42 - GROUND CONDITIONING TOOL

Group 4201 - Blade, Teeth, Shanks

Group 4215 - Controls Linkage

Group 4260 - Hydraulic System

SECTION 90 - SYSTEM TESTING

Group 9005 - General Information - Seven Basic Steps of Diagnosis and Testing and

Operational Checkout Procedure

Group 9010 - Engine

Group 9015 - Electrical System

Group 9020 - Power Train

Group 9025 - Hydraulic System (Flow Meter)

Group 9025A - Hydraulic System (Analyzer)

Group 9026 - Hydrostatic System

Group 9030 - Miscellaneous Components

Group 9031 - Heating and Air Conditioning

Group 9035 - Specifications and Special Tools

## MAINTENANCE WITHOUT ACCIDENT WORK SAFELY



This safety alert symbol is used for important safety messages. When you see this symbol, the possibility of personal injury exists if safety message is not followed.

# EVERY EMPLOYER HAS A SAFETY PROGRAM. KNOW WHAT IT IS!

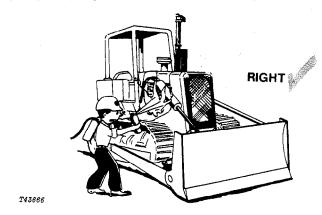


Consult your shop supervisor for specific instructions on a job, and the safety equipment required.

For instance, you may need: Hard hat, safety shoes, safety goggles, heavy gloves, reflector vests, ear protectors, respirators.



**ALWAYS AVOID** loose clothing or any accessory—flopping cuffs, dangling neckties and scarves, or rings and wrist watches—that can catch in moving parts and put you out of work.



### **BE ALERT!**

Plan ahead — work safely — avoid accidental damage and injury. If a careless moment does cause an accident or fire, react quickly with the tools and skills at hand — know how to use a first aid kit and a fire extinguisher — and where to get aid and assistance. In an emergency, split-second action is the key to safety.



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Specific safety procedures should always be observed, whether servicing or making repairs on the crawler. Remembering these—in time!—can prevent an injury...or save your life....

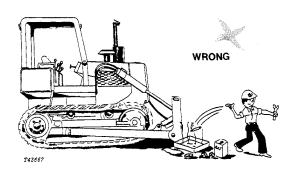
#### AVOID FIRE HAZARDS-

### Fuel is Dangerous!

Don't smoke while refueling.

Don't smoke while handling highly flammable material.

Engine should be shut off when refueling. Use care in refueling if the engine is hot.



Don't use open pans of gasoline or diesel fuel for cleaning parts. Good commercial, nonflammable solvents are preferred.

### **Battery Gas Is Highly Flammable!**

Provide adequate ventilation when charging batteries.



Don't check battery charge by placing metal objects across the posts.

Don't allow sparks or open flame near batteries. Don't smoke near battery.

### Flame Is Not a Flashlight!

Never check fuel, battery electrolyte or coolant levels with an open flame.

Never use an open flame to look for leaks anywhere on the equipment.

Never use an open flame as a light anywhere on or around the equipment.

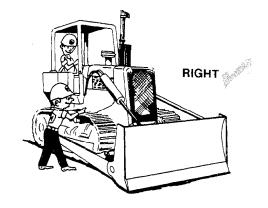
#### KNOW WHERE FIRE EXTINGUISHERS ARE KEPT!

### UNDER ALL MAINTENANCE CONDITIONS—

Do not perform any work on the crawler unless authorized to do so. Then be sure you understand the services required. Follow recommended procedures.



Never service the equipment while it is being operated.

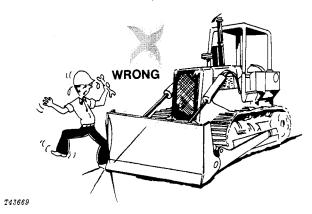


Avoid working on equipment with the engine running. If it is necessary to make checks with the engine running, ALWAYS USE TWO SERVICE TECHNICIANS—one, the operator, at the controls, the other checking in view of the operator. Also, put the transmission in neutral, set the parking brake, and apply any safety locks provided. KEEP HANDS AWAY FROM MOVING PARTS.



Before servicing, adjusting, or repairing crawlers which have attachments such as blades, etc.—
LOWER attachments to the ground—or, if necessary to raise them for access to certain parts, SECURELY SUPPORT by external means. DO NOT rely on controls to support or position attachments for maintenance.

Never allow **ANYONE** to walk under equipment that is raised and not properly blocked.

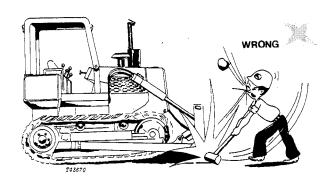


Avoid working directly under raised and blocked equipment unless absolutely necessary.

If the crawler is on an incline, block it securely.

Use hoisting equipment for lifting heavy parts. **TAKE CARE! WATCH OUT FOR OTHER PEOPLE IN THE VICINITY.** 

Use extreme caution in removing radiator caps, drain plugs, grease fittings, or hydraulic pressure caps.



Wear safety glasses when drilling, grinding, or hammering metal.

Make sure the maintenance area is adequately vented.

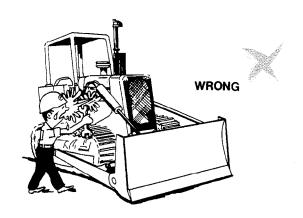
Keep maintenance area CLEAN AND DRY. Oily and wet floors are slippery; greasy rags are a fire hazard; wet spots are dangerous when working with electrical equipment.

Store starting aids in a cool and well-ventilated place, out of the reach of unauthorized personnel.

### SERVICING PRECAUTIONS

Stop the engine before cleaning or lubricating the crawler

Lower blade and ripper to the ground carefully.



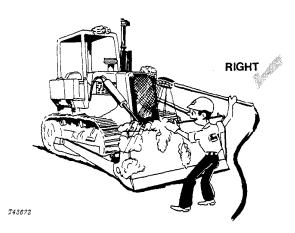
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Engine coolant gets hot! Don't remove the radiator cap until coolant temperature is below the boiling point. Then turn cap slightly to relieve pressure before removing.

Exhaust gases are dangerous! Periodically check exhaust system for excessive leakage.

Don't forget a hydraulic system may be pressurized! To relieve system pressure, stop engine, lower blade and ripper and operate blade and ripper control levers until system fails to respond.

When checking hydraulic pressure, be sure to use the correct test gauge for the pressure in the particular system.



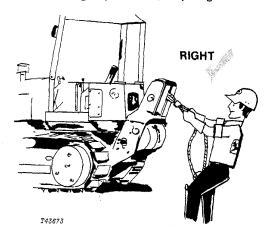
Keep ALL components free of dirt and oil. This attention will minimize fire hazards and facilitate spotting of loose or defective parts.

When preparing engine for storage, remember that inhibitor is volatile and therefore dangerous. Seal and tape openings after adding the inhibitor. Keep container tightly closed when not in use.

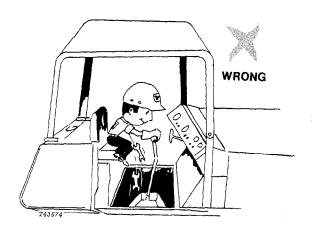
### **ADJUSTING PRECAUTIONS**

....for Operating Adjustments

Before making adjustments, stop engine.



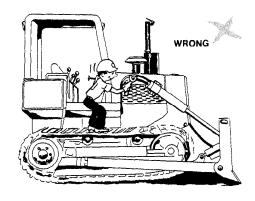
Always wear gloves when handling cable.



Before removing any housing covers, stop engine. Take all objects from your pockets which could fall into the opened housings. Don't let adjusting wrenches fall into opened housings.

....for Maintenance Adjustments

Don't attempt to check belt tension while the engine is running.

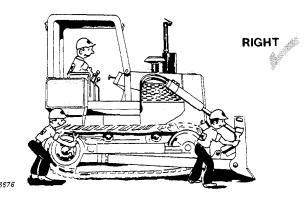


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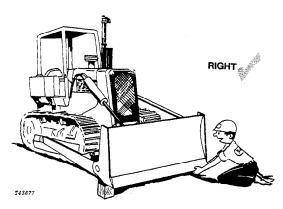
Don't adjust the fuel system while the machine is in motion.

### PRECAUTIONS DURING REPAIR

Before working on the engine fuel system—close fuel shutoff valve.



Before repairing the electrical system, or performing a major overhaul, make sure the batteries are disconnected. Stop the engine and securely block the blade.



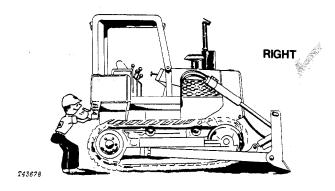
Never let your bare hands come in contact with sharp edges. WEAR GLOVES.

### KNOW EQUIPMENT IS READY!

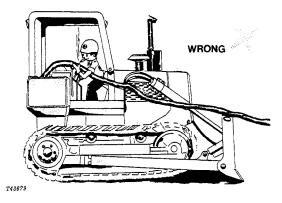
Check guards, ROPS, safety bars-all protective devices installed on the crawler. Every one should be in place and secure.

#### **CHECK IT OUT!**

- □ GUARDS
- ☐ SHIELDS
- □ PROTECTIVE DEVICES
- □ ROLL-OVER PROTECTIVE STRUCTURES
- □ SEAT BELTS
- ☐ FIRE EXTINGUISHER, ETC.

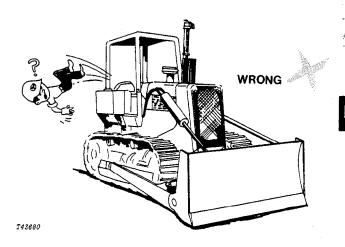


Carefully inspect equipment for visual defectsleaks in fuel, lubrication, and hydraulic systems. Do not search for pressurized fluid leaks with your hands. Use cardboard or wood to search for leaks.



Check levels of fuel, coolant, hydraulic fluid, and lubricating oil. If fuel must be added-FIRST, PUT **OUT THAT CIGARET.** 

Check and secure all caps and filler plugs for fuel, oils, radiator, etc.



Be sure to clean any oil, grease or mud accumulation from floor of operator's compartment, stepping points, and grab rails to minimize the danger of slip-

In freezing weather beware of snow or ice deposits on stepping points, grab rails, and floor.

Remove loose bolts, tools, or other objects from floor of operator's compartment.

Although it is impractical to try to cover every possible maintenance situation, the safety precautions recommended here should serve to develop and promote safe maintenance procedures.

The information contained in this manual is not intended to replace safety codes, insurance requirements, federal, state, and local laws, rules and regulations. In particular, your service area or jobsite activities may be subject to state safety rules and/or federal regulation under the Occupational Safety and Health Act (OSHA). Familiarize yourself with all regulations applicable to your situation in order to avoid possible safety violations.

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