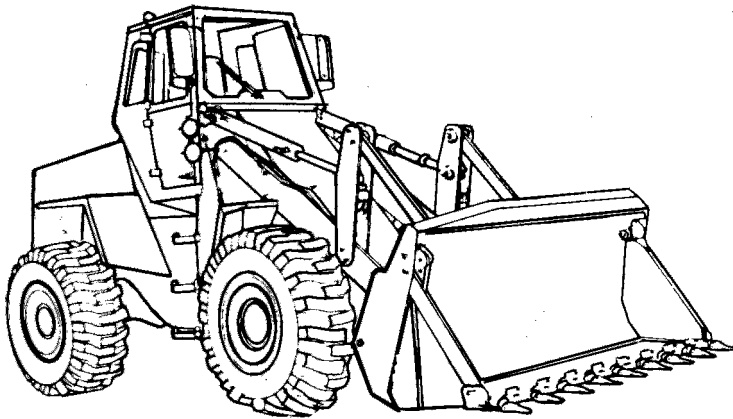


**TECHNICAL MANUAL  
ORGANIZATIONAL MAINTENANCE**



**LOADER, SCOOP TYPE, DED  
4x4, ARTICULATED FRAME STEER,  
2-1/2 CUBIC YARD  
(J.I.CASE MODEL MW24C)  
(NSN 3805-01-150-4814)**

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**WARNING**

## EXHAUST GASES CAN BE DEADLY

Exhaust gases can produce symptoms of headache, dizziness, loss of muscular control, or coma. Permanent brain damage or death can result from severe exposure. You can insure your safety by following these rules: DON'T operate the heater or engine in an enclosed area unless it is properly ventilated. DON'T drive with any of the loader's inspection plates, cover plates, or the hood off unless necessary for maintenance. If you notice exhaust odors or exposure symptoms, IMMEDIATELY VENTILATE the area.

If symptoms persist, remove the affected people and treat them:

- Expose them to fresh air.
- If necessary, give artificial respiration.
  - Keep them warm.
- DON'T permit physical exercise.

Refer to FM 21-11, First Aid for Soldiers, for first aid treatment of injured personnel.

**WARNING**

## ROTATING FAN BLADES

Before working in area between radiator and engine, be sure engine is turned off. Failure to do so could cause serious injury to fingers or hand by rotating fan blade. If you injure your fingers or hand, obtain medical aid immediately.

**WARNING**

## OIL UNDER PRESSURE

Hydraulic reservoir is pressurized. Shut off engine and operate hydraulic control valves before removing hydraulic reservoir fill cap. Failure to do so could cause serious injury or death.

**WARNING**

## RETAINING/SNAP RINGS UNDER SPRING TENSION

Exercise care when removing retaining/snap rings. Some of these parts are under spring tension. Severe injury may result by the part striking your eye if you don't observe this precaution. If your eye is struck by a foreign object, seek medical aid immediately.

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**Best wishes.**

**WARNING**

Toxic /FLAMMABLE

Dry cleaning solvent P-D-680 used to clean parts is toxic and flammable. Wear protective goggles and gloves and use only in a well ventilated area. Avoid contact with skin, eyes and clothes and don't breathe vapors. Do not use near open flame or excessive heat and don't smoke when using it. Failure to do so could cause serious injury. If you become dizzy while using cleaning solvent, get fresh air and medical attention immediately. If contact with skin or clothes is made, flush with large amounts of water. If contact with eyes is made, wash eyes with water and get medical aid immediately.

Starting fluid is toxic and highly flammable. Container is pressurized to act as an expellent. Don't heat container and don't discharge starting fluid in confined areas or near open flame. Don't discard used container in an open flame. To do any of the above will cause an explosion. Don't breathe ether vapor or allow ether to come in contact with your skin. To do so will cause severe injury or death.

**WARNING**

ELECTRICAL SHOCK HAZARD

Always disconnect battery ground cable before working on electrical components of this equipment. Death or severe injury may result if you fail to observe this precaution. If you receive an electrical shock, seek medical aid immediately.

**WARNING**

HIGH VELOCITY AIR

Compressed air used for cleaning purpose will not exceed 30 psi. Use only with effective chip guarding and personal protective equipment (goggles/shield, gloves, etc). Failure to do so could cause serious injury to eyes and possible blindness. If you hurt your eyes or if a foreign object is blown into your eyes, seek medical attention immediately.

**WARNING**

FALLING EQUIPMENT

When using chain hoist to remove or install parts, be sure chain hoist is securely fastened to the part and that all slack in chain is taken up. Failure to do so could cause serious injury due to the part falling on you. If you are injured by falling equipment, obtain medical aid immediately.

**WARNING**

## NOISE HAZARD

Noise level exceeds 85 dB when operating loader with cab windows open or performing maintenance with engine operating. All personnel shall wear a hearing protective device when operating loader with windows open or performing loader maintenance with engine operating to prevent hearing loss.

**WARNING**

## EXPLOSIVE HAZARD

Don't use jumper cables connected to battery terminals to start engine or charge batteries. Always use slave receptacle. Failure to do so could cause serious injury due to batteries exploding caused by improper connection of jumper cables to battery terminals.

**WARNING**

## STEAM UNDER PRESSURE

Remove radiator cap slowly to relieve pressure before completely removing when engine is hot. Failure to do so could cause severe burns due to hot steam scalding you. If you are scalded by hot steam, seek medical aid immediately.

**WARNING**

## TIRE INFLATION

Check that tire is correctly mounted before inflating tire. Failure to do so may result in severe injury or death due to explosive separation of the tire and rim parts. If necessary, remove tire and install in a tire inflation cage. Always stand behind tire tread when inflating tire.

Do not inflate tire more than 40 psi. To do so may result in severe injury or death due to explosive separation of tire and rim parts. Stand behind tire tread and be sure personnel are not standing at side of tire before adding air. Failure to do so could cause severe injury or loss of life due to explosive separation of tire and rim parts.

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