

C50, C60, C70, C80, C90 and C100 Tractors

Service Manual Don 7-70900

Table of Contents

	Section	Pub. No.
1 GENERAL		
Loctite Product Chart		8-98902
Safety Rules, General Information and Torque Specifications.....	1001	8-86531
General Specifications and Torques	1002	7-70920
Special Tools	1005	7-70930
2 REMOVAL AND INSTALLATION	2001	7-70940
4 ELECTRICAL		
Electrical Troubleshooting and Schematics.....	4001	7-70960
5 STEERING		
Steering Hand Pump	5001	7-70990
Steering Cylinder - 2WD Tractors.....	5002	7-71290
Front Axle - 2WD Tractors.....	5003	7-72000
6 TRANSMISSION		
Engine Clutch	6001	7-71000
Separating the Tractor (Between Engine and Speed Transmission)	6002	7-71010
Range Transmission Removal	6003	7-71020
Speed Transmission Removal.....	6004	7-71030
Speed Transmission Servicing	6005	7-71040
Powershift Transmission	6006	7-71060
Range Transmission - MFD Tractors	6009	7-71140
Rear Axle	6012	7-71160
Differential	6013	7-71180
PTO	6016	7-71260
Shiftable PTO	6017	7-72010
8 HYDRAULICS		
Hydraulic Troubleshooting and Schematic	8001	7-71070
Hydraulic Hitch Adjustments.....	8005	7-71080
Multi Control Valve and Hydraulic Pump	8010	7-72020
Unloading and Flow Control Valve	8015	7-71300
Hydraulic Housing Servicing.....	8035	7-71320
Hydraulic Housing Removal	8040	7-71340
9 CHASSIS AND MOUNTED EQUIPMENT		
Pedal, Lever and Switch Adjustment.....	9001	7-71090
Seat Platform and Fenders.....	9008	7-71100

Reprinted




Section 1001

1001

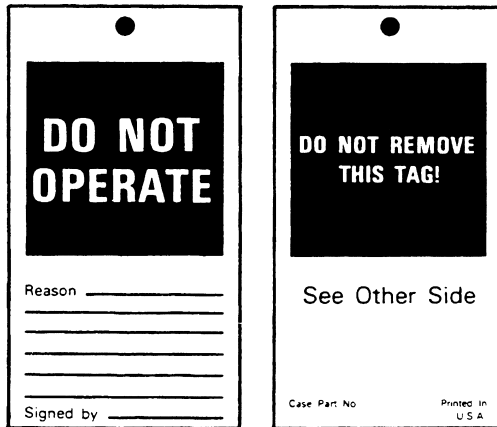
SAFETY, GENERAL INFORMATION
AND TORQUE SPECIFICATIONS


SAFETY


 **This symbol means ATTENTION! BECOME ALERT! YOUR SAFETY IS INVOLVED. The message that follows the symbol contains important information about safety. Carefully read the message. Make sure you fully understand the causes of possible injury or death.**


To prevent injury always follow the Warning, Caution and Danger notes in this section and throughout the manual.


Put the warning tag shown below on the key for the key switch when servicing or repairing the machine. One warning tag is supplied with each machine. Additional tags Part Number 331-4614 are available from your service parts supplier.





 **WARNING: Before starting engine, study Operator's Manual safety messages. Read all safety signs on machine. Clear the area of other persons. Learn and practice safe use of controls before operating.**
It is your responsibility to understand and follow manufacturers instructions on machine operation, service, and to observe pertinent laws and regulations. Operator's and Service Manuals may be obtained from you J.I. Case dealer.


 **WARNING: If you wear clothing that is too loose or do not use the correct safety equipment for your job, you can be injured. Always wear clothing that will not catch on objects. Extra safety equipment that can be required includes hard hat, safety shoes, ear protection, eye or face protection, heavy gloves and reflector clothing.**


 **WARNING: Read the operators manual to familiarize yourself with the correct control functions.**

 **WARNING: When working in the area of the fan belt with the engine running, avoid loose clothing if possible, and use extreme caution.**

 **WARNING: Operate the machine and equipment controls from the seat position only. Any other method could result in serious injury.**

 **WARNING: When doing checks and tests on the equipment hydraulics, follow the procedures as they are written. DO NOT change the procedure.**

 **WARNING: This is one a man machine, no riders allowed.**

 **WARNING: When putting the hydraulic cylinders on this machine through the necessary cycles to check operation or to remove air from a circuit, make sure all people are out of the way.**



WARNING: Use insulated gloves or mittens when working with hot parts.



CAUTION: Lower all attachments to the ground or use stands to safely support the attachments before you do any maintenance or service.



CAUTION: Pin sized and smaller streams of hydraulic oil under pressure can penetrate the skin and result in serious infection. If hydraulic oil under pressure does penetrate the skin, seek medical treatment immediately. Maintain all hoses and tubes in good condition. Make sure all connections are tight. Make a replacement of any tube or hose that is damaged or thought to be damaged. **DO NOT** use your hand to check for leaks, use a piece of cardboard or wood.



CAUTION: When removing hardened pins such as a pivot pin, or a hardened shaft, use a soft head (brass or bronze) hammer or use a driver made from brass or bronze and a steel head hammer.



CAUTION: When using a hammer to remove and install pivot pins or separate parts using compressed air or using a grinder, wear eye protection that completely encloses the eyes (approved goggles or other approved eye protectors).



CAUTION: Use suitable floor (service) jacks or chain hoist to raise wheels or tracks off the floor. Always block machine in place with suitable safety stands.



CAUTION: When servicing or repairing the machine. Keep the shop floor and operator's compartment and steps free of oil, water, grease, tools, etc. Use oil absorbing material and or shop cloths as required. Use safe practices at all times.



CAUTION: Some components of this machine are very heavy. Use suitable lifting equipment or additional help as instructed in this Service Manual.



DANGER: Engine exhaust fumes can cause death. If it is necessary to start the engine in a closed place, remove the exhaust fumes from the area with an exhaust pipe extension. Open the doors and get outside air into the area.



DANGER: When the battery electrolyte is frozen, the battery can explode if (1), you try to charge the battery, or (2), you try to jump start and run the engine. To prevent that battery electrolyte from freezing, try to keep the battery at full charge. If you do not follow these instructions, you or others in the area can be injured.



DANGER: Batteries contain acid and explosive gas. Explosions can result from sparks, flames or wrong cable connections. To connect the jumper cables correctly to the battery of this machine see the Operator's Manual. Failure to follow these instructions can cause serious injury or death.

GENERAL INFORMATION

Cleaning

Clean all metal parts except bearings, in mineral spirits or by steam cleaning. Do not use caustic soda for steam cleaning. After cleaning dry and put oil on all parts. Clean oil passages with compressed air. Clean bearings in kerosene, dry the bearings completely and put oil on the bearings.

Inspection

Check all parts when the parts are disassembled. Replace all parts that have wear or damage. Small scoring or grooves can be removed with a hone or crocus cloth. Complete visual inspection for indications of wear, pitting and the replacement of parts necessary will prevent early failures.

Bearings

Check bearings for easy action. If bearings have a loose fit or rough action replace the bearing. Wash bearings with a good solvent or kerosene and permit to air dry. **DO NOT DRY BEARINGS WITH COMPRESSED AIR.**

Needle Bearings

Before you press needle bearings in a bore always remove any metal protrusions in the bore or edge of the bore. Before you press bearings into position put petroleum jelly on the inside and outside diameter of the bearings.

Gears

Check all gears for wear and damage. Replace gears that have wear or damage.

Oil Seals, O-Rings And Gaskets

Always install new oil seals, o-rings and gaskets. Put petroleum jelly on seals and o-rings.

Shafts

Check all shafts that have wear or damage. Check the bearing and oil seal surfaces of the shafts for damage.

Service Parts

Always install genuine Case service parts, when ordering refer to the Parts Catalog for the correct part number of the genuine Case replacement items. Failures due to the use of other than genuine Case replacement parts are not covered by warranty.

Lubrication

Only use the oils and lubricants specified in the Operators or Service Manual. Failures due to the use of non specified oils and lubricants are not covered by warranty.

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