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MANUAL PREVIEW

J.I. Case

Operator's Manual

1150B

Crawler

Operator's Manual

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SAFETY



SAFETY RULES

Your safety and the safety of those around you is highly dependent upon the care and good judgment you exercise in the use of this equipment. Know the positions and functions of all controls before attempting to operate. **BE SURE TO CHECK ALL CONTROLS IN A SAFE OPEN AREA BEFORE STARTING YOUR WORK.**

READ THIS MANUAL THOROUGHLY and make sure you understand its contents. All equipment has limitations. Be sure you understand, for example, the speed, braking, steering, stability and load characteristics of this machine before starting to operate.

The safety information presented in this manual is not intended to replace safety codes, insurance requirements, federal, state and local laws, rules and regulations. Know the regulations and laws that apply to your area and be sure that your machine is properly equipped to meet such laws and regulations.

It is recommended that the following safety rules be posted on the job site.

NOTE: Items followed by an asterisk (*) can be purchased from your Authorized Case Dealer.

Pre-Starting

Clean or replace all decals* if they can't be read.

Wear the proper safety equipment -- avoid loose clothing. Request additional safety equipment when you feel your safety is in doubt. A hard hat, safety glasses, ear plugs, etc., may be required.

Visually check out the machine for leaks and broken, missing or malfunctioning parts. Be sure all caps, dip sticks, battery covers, etc. are secure before starting.

Be sure the operator's area is free of oil, loose objects or ice. During operation take time to clean the operator's area as required.

Be thoroughly familiar with location of underground gas lines, water mains, cables, etc.

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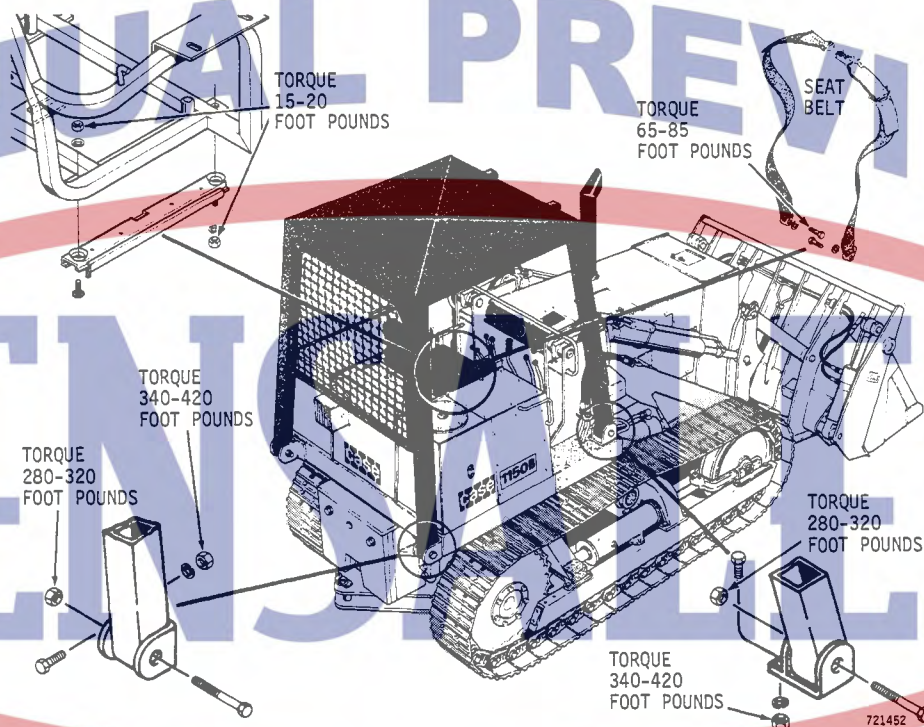
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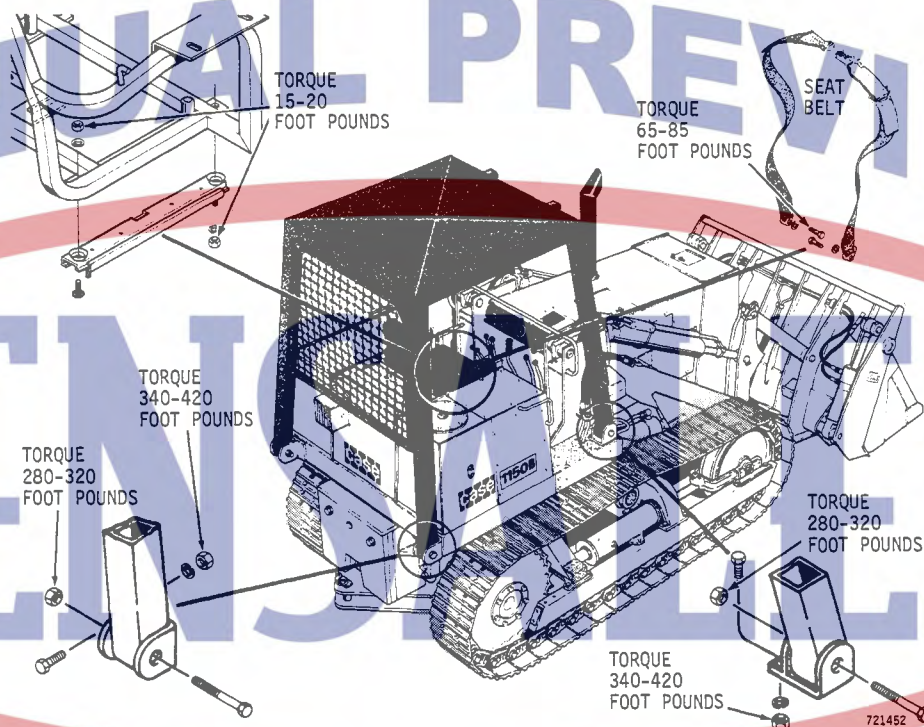
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INTRODUCTION TO THE OWNER

This manual is your guide to safe, productive operations. Read it carefully. It will help to reduce trial and error learning. It should also minimize damage and downtime caused by improper maintenance.

If you require additional information, contact us.



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Ether Injection

This starting aid electrically injects ether into the air intake system. To operate, turn the master switch on and engage the starter. At the same time, depress the starting aid button from 3 to 5 seconds. Ether will be injected as long as the button is depressed.

Starting Fluid



WARNING: Do not puncture or incinerate the starting fluid container. Starting fluid is highly flammable.

Case Starting Fluid aerosol cans are obtainable from your Authorized Case Dealer. Use the starting fluid as follows:

1. Engage parking brake and place transmission in neutral.
2. While the starter is cranking the engine, spray the ether starting fluid directly across the front of the air cleaner intake. Never spray the ether unless the engine is cranking.

CAUTION: Never use liquid ether as a starting aid. Severe engine damage can result.



WARNING

**WAIT 10 MINUTES BEFORE
USING STARTING FLUID IF
YOU HAVE ATTEMPTED TO
USE THE MANIFOLD HEATER**

**CRANK ENGINE 5 SECONDS
BEFORE ATTEMPTING TO USE
MANIFOLD HEATER IF YOU
HAVE USED STARTING FLUID.**



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Figure 7

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Coolant Heater

Cold weather starting can be further aided by use of the engine block coolant heater.



Figure 8

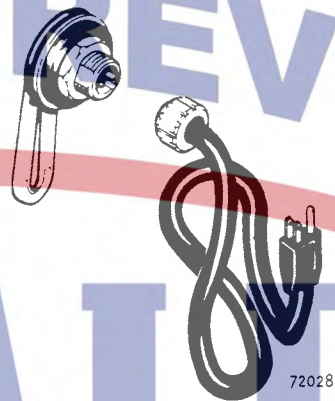


Figure 9

The engine block is provided with a freeze plug. This plug is removed when installing the coolant heater. The passage is located on the right-hand side of the engine slightly above and to the right of the engine serial number plate. The coolant heater kit can be purchased from your Authorized Case Dealer. See Figures 8 and 9.

To install the coolant heater, partially drain coolant from the cylinder block and radiator, remove the freeze plug by punching a hole in it and pulling the plug out. Do not use a drill on the plug. Follow the heater manufacturer's instructions for installation. Replace coolant.

Booster Batteries

Turn the master disconnect switch off before attaching the booster battery to the batteries on the crawler. Attach the negative cable from the booster to the negative terminal on the battery and attach the positive cable from the booster to the positive terminal on the battery. See Figure 37 on page 54.

If an auxiliary power unit is to be used, always check that the unit is set for 24 volts.

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DRIVING THE CRAWLER

Seat Adjustment

Before starting the day's operation, adjust the seat to the most convenient, comfortable position. Readjust the tool box lid as required.

The seat is adjusted for height as well as forward or rearward. Refer to Figure 10 for the height adjustment and Figure 6 for forward/rearward adjustment. Remove the seat frame and raise or lower each seat mounting frame by repositioning the four mounting bolts.

WARNING: Adjust the seat belt securely on ROPS equipped crawlers.



Figure 10

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MAINTENANCE

INTRODUCTION

Scheduled maintenance and lubrication are the normal operations required to provide safe and efficient operations. Following the maintenance chart is the easiest and most economical means of assuring the least amount of down time.

Hourly intervals have been established for servicing your loader. They are based on the number of hours the engine has run. The hour-meter, which operates when the engine is running, indicates the accumulated hours of operation.



Figure 16

RUN-IN PERIOD

The items listed in the run-in section are performed during the run-in period only.

SCHEDULED MAINTENANCE

The items listed in this section are separated into maximum hourly intervals. These intervals are based on "average" operating conditions. When operating under "severe" conditions, such as excessive heat, cold, dust, mud or water, shorten the interval.

The chart on the following two pages lists all components to be serviced, the interval of servicing and the page it is found on.

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