1130-1140 Tractor

Operators Manual

9-19570

CASE

Reprinted

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

GENERAL TABLE OF CONTENTS

Safety/Decals ..... 4~18

Specifications ..... 19~34

Instruments/Controls ..... 35~51

Operating Instructions ..... 52~79

Field Operation ..... 80~96

Tires/Wheels/Spacing/Ballast ..... 97~121

Lubrication/Filters/Fluids ..... 122~151

Maintenance/Adjustments ..... 152~158

Electrical System ..... 159~171

Storage ..... 172~173

Detail Index ..... 174~176

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SAFETY

Understand that your safety and the safety of other persons is measured by how you service, and operate this machine. Know the positions and operations of all controls before you try to operate. MAKE SURE YOU CHECK ALL CONTROLS IN A SAFE AREA BEFORE STARTING YOUR WORK.

READ THIS MANUAL COMPLETELY and make sure you understand the controls. All equipment has a limit. Make sure you understand the speed, brakes, steering, stability, and load characteristics of this machine before you start to operate.

The safety information given in this manual does not replace safety codes, insurance needs, federal, state and local laws. Make sure your machine has the correct equipment needed by the local laws and regulations.

CASE CORPORATION is continuing to work for your safety by making tractors with better protection and by giving these rules for safe operation.



THIS SAFETY ALERT SYMBOL INDICATES IMPORTANT SAFETY MESSAGES IN THIS MANUAL. WHEN YOU SEE THIS SYMBOL, CAREFULLY READ THE MESSAGE THAT FOLLOWS AND BE ALERT TO THE POSSIBILITY OF PERSONAL INJURY OR DEATH. M171A

Safety Rules

Before starting the engine, be sure all operating controls are in neutral. This will eliminate accidental movement of the machine or start up of power driven equipment. R108C

Operate controls only when sealed in the Operators seal. R137

Securely fasten your seat belt. Your tractor is equipped with a ROPS frame for your protection. The seat belt can help insure your safety if it is used and maintained. Nover wear a seat belt loosely or with slack in the belt system. Never wear the belt in a twisted condition or pinched between the seat structural members. R271

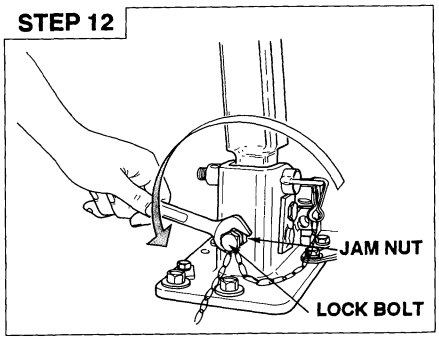
A frequent cause of personal injury or death is persons falling off and being run over. Do not permit others to ride. Only one person - the operator - should be on the machine when it is in operation. R115A

Before leaving the tractor, stop the engine, put all controls in NEUTRAL and apply the park brake.

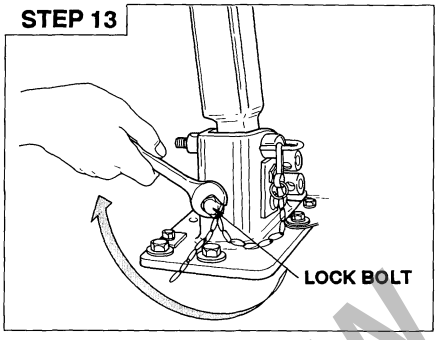
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

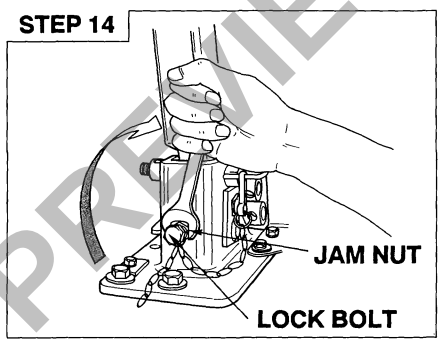
STEP 11
For tractors without a sunshade and for operators who frequently fold the ROPS for low clearance tractor operation, continue to STEP 15.



Loosen the jam nut on the lock bolts.

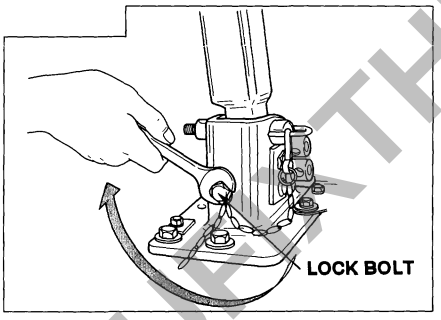


Tighten the lock bolts to a torque of 33 to 40 lb ft (44 to 54 Nm).

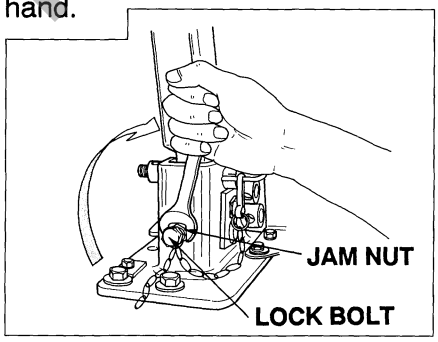


Tighten the jam nut on the lock bolts to a torque of 33 to 40 lb ft (44 to 54 Nm). Continue to STEP 17.

STEP 15
For tractors with a sunshade, STEP 12, STEP 13 and STEP 14 must be followed for using the lock bolts. On tractors without a sunshade, it is recommended that STEP 12, STEP 13 and STEP 14 be used, however, if ROPS is folded frequently for low clearance tractor operation, the following setup may be used:



Tighten the lock bolt only enough to remove the looseness of the hinge joint. Push the ROPS bar forward to permit the position pin to be rotated and removed by hand.



Tighten the jam nut on the lock bolts to a torque of 33 to 40 lb ft (44 to 54 Nm).

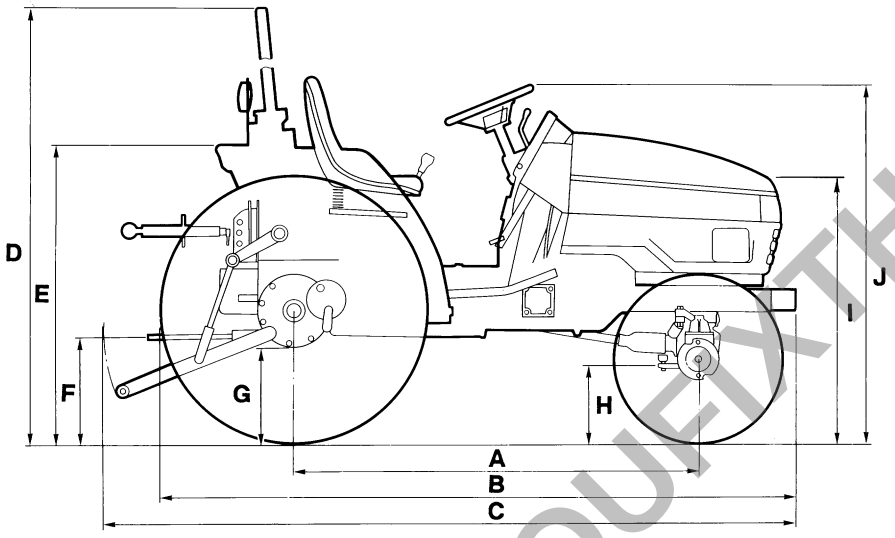
STEP 16
Check the assembly. If the position pins are too tight or loose, repeat STEP 15.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

APPROXIMATE MEASUREMENTS AND WEIGHTS

1140 (GEAR DRIVE) MFD Tractor with 2 Post ROPS



TIRE AND WHEEL EQUIPMENT FOR DATA SHOWN BELOW.

Front – 6.70 × 15 R1		Rear – 11.2 × 24 R1	
A.	67.0 Inch (1700 mm)	F.	16.3 Inch (415 mm)
B.	103.0 Inch (2615 mm)	G.	14.2 Inch (360 mm)
C.	115.0 Inch (2920 mm)	H.	12.8 Inch (325 mm)
D.	84.3 Inch (2140 mm)	I.	44.1 Inch (1120 mm)
E.	49.8 Inch (1265 mm)	J.	58.7 Inch (1490 mm)

Turning Radius Without Brake Assistance ..... 110 Inch (2800 mm)
Turning Radius With Brake Assistance ..... 98 Inch (2500 mm)

Approximate Tractor Weight

Approximate Weight Equipped as Noted ..... Front 970 lbs (440 kg)
Rear 1488 lbs (675 kg)
Total 2458 lbs (1115 kg)

NOTE: *Weight is based on tractor equipped with most common optional equipment, minimum fuel, no iron or liquid ballast and no operator.*

Maximum Recommended Operating Weights

Maximum Front Axle Load ..... 2975 lb (1350 kg)
Maximum Rear Axle Load ..... 2975 lb (1350 kg)
Maximum Tractor Operating Weight ..... 4850 lb (2200 kg)

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

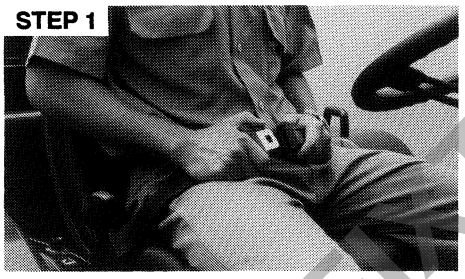
SEAT BELT

IMPORTANT: *For maximum safety, always use the seat belt when the ROPS is in the upright position.*

From time to time, carefully inspect the seat belts for worn areas and replace belt when needed.

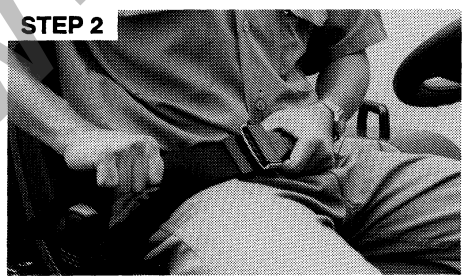
Seat Belt Adjustment

STEP 1



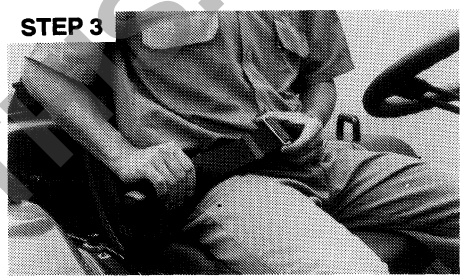
Adjust the seat to your need. Keep your back straight in the seat. Put the belt across your body as LOW ON YOUR BODY AS POSSIBLE.
Any other belt position can result in injury. Push the metal eye into the open end of the buckle until you hear the buckle fasten.

STEP 2



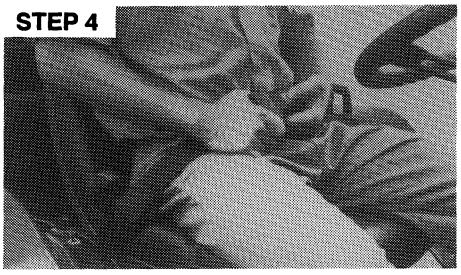
To prevent sliding under the belt, pull the end of the belt until the belt is tight.

STEP 3



To adjust the seat belt for more length, put the metal eye at a right angle to the belt.

STEP 4



To release the seat belt, push the button in the center of the buckle and separate the buckle and metal eye.

Never wear a seat belt loosely or with slack in the belt system. Never wear the belt in a twisted condition or pinched between the seat structural members. M121A

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Service After First 50 Hours

1. Engine Oil

   Drain all the oil from the crankcase while the engine is warm and refill with new oil to the F (Full) mark on the engine oil dipstick. See Engine Oil Change in this manual.

2. Engine Oil Filter

   Replace the engine oil filter. See Engine Oil Filter in this manual.

3. Transmission & Hydraulic System

   (1) Transmission Oil

   Check the level of the transmission oil. Add CASE HY-TRAN® PLUS fluid as needed to maintain proper level. See Transmission Oil Level in this manual.

   (2) Hydrostatic filter (Hydrostatic Drive)
   Replace the filter with a new one. See hydrostatic filter in this manual.

   (3) Hydraulic filter

   Replace filter with a new one. See Hydraulic filter in this manual.

4. Differential Housing Lubricant (MFD)

   Change the Oil. See FRONT AXLE LUBRICATION (MFD) in this manual.

5. Radiator Core

   Inspect the radiator core and clean if necessary.
   See COOLING SYSTEM in this manual.

6. Hoses and Connections between Air Cleaner and Manifold

   Inspect for loose fit or leakage. See AIR INDUCTION SYSTEM in this manual.

7. Water Pump, Fan and Alternator Belt Tension

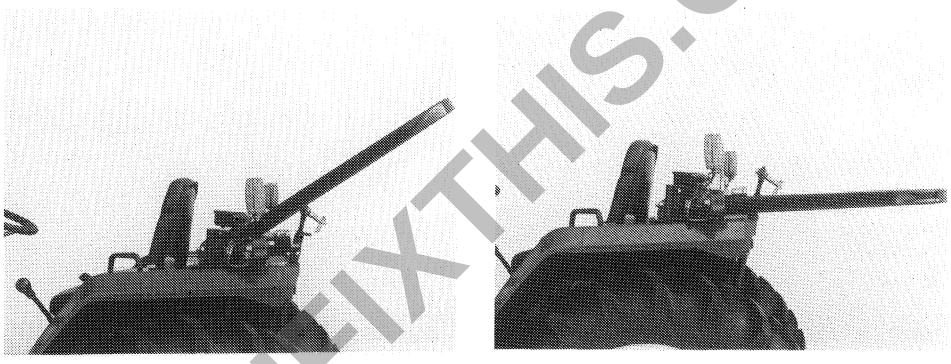
   Check the belt for tension, replace if necessary. See Fan Belt Adjustment in this manual.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Low Clearance Positions

For low clearance operation, such as operating in buildings, orchards or vineyards, the ROPS can be lowered and secured in the down position. No rollover protection is provided in the lowered positions and the seat belt should not be fastened. When the low clearance operation is completed, return the ROPS to the secured upright position for all other tractor uses and transport.



IMPORTANT: *When the ROPS frame is in the lowered position, make sure there is clearance between the frame and hitch mounted equipment. Slowly raise the hitch to maximum height to check for necessary clearance. For drawbar attached and/or PTO driven equipment, check for clearance including turning corners.*

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Tire Liquid Weight

Use liquid tire ballast as needed to provide safe and efficient tractor operation. When liquid ballast is used, inflate the tires 2 PSI (14 kPa) more than the recommended pressure. This will compensate for aeration that occurs when the tire is in motion.

The weight table in this section gives the liquid weight each tire will hold when 75 percent filled (filled to Valve Level), with water or calcium chloride and water solution. The calcium chloride keeps the water from freezing.

1. Water will become solid at 32° F (0° C).
2. The 3.5 lbs (1.5 kg) calcium chloride solution will stay liquid to −12° F (−24° C) and will become solid at −52° F (−47° C).
3. The 5 lbs (2.27 kg) calcium chloride solution will stay liquid to −52° F (−47° C) and will become solid at −62° F (−52° C).

IMPORTANT: *Always add calcium chloride to water, NEVER add water to calcium chloride. If you do, there will be a violent reaction. When correctly mixed, the liquid will increase in temperature. Allow the liquid to cool before adding to the tire. See your Dealer for details.*

LIQUID BALLAST PER TIRE (75% FULL) – U.S. VALUE

TIRE SIZE	WATER ONLY		3.5 LB $CaC\ell_2$ PER GALLON OF WATER			5 LB $CaC\ell_2$ PER GALLON OF WATER		
	CAPACITY (GAL)	WEIGHT (LB)	WATER (GAL)	$CaC\ell_2$ (LB)	TOTAL WT (LB)	WATER (GAL)	$CaC\ell_2$ (LB)	TOTAL WT (LB)
9.5 – 24 R1	19.3	161	17.2	62	205	16.4	82	218
11.2 – 24 R1	26.4	220	23.8	84	282	22.5	112	300

LIQUID BALLAST PER TIRE (75% FULL) – METRIC VALUE

TIRE SIZE	WATER ONLY		0.42 Kg $CaC\ell_2$ PER LITRE OF WATER			0.60 Kg $CaC\ell_2$ PER LITRE OF WATER		
	CAPACITY (LITRES)	WEIGHT (Kg)	WATER (LITRES)	$CaC\ell_2$ (Kg)	TOTAL WT (Kg)	WATER (LITRES)	$CaC\ell_2$ (Kg)	TOTAL WT (Kg)
9.5 – 24 R1	73	73	65	28	93	62	37	99
11.2 – 24 R1	100	100	90	38	128	85	51	136

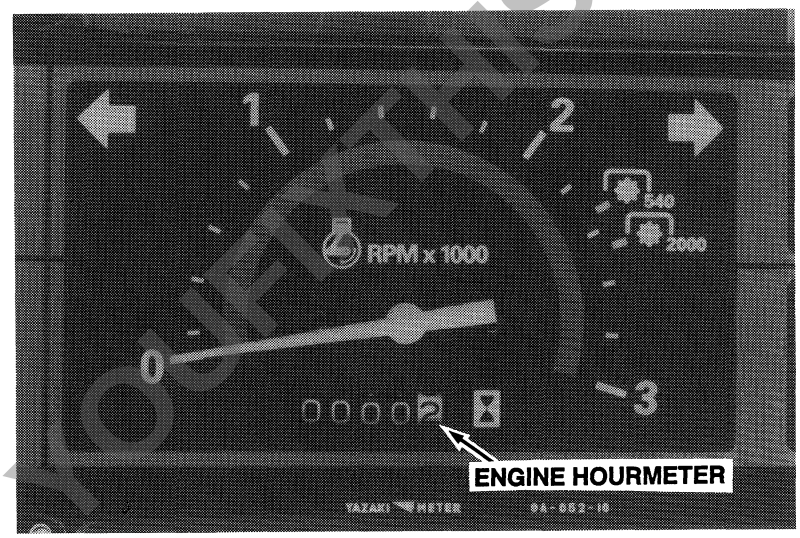
PREVIEW YOUFIXTHIS.COM

Download full manual at youfixthis.com

SERVICE HOUR INTERVAL

Service your tractor at the intervals and locations given on the Lubrication and Service Chart. When you service your tractor, use only high quality lubricants.

Engine Hourmeter



The engine hourmeter shows the amount of actual hours the tractor has operated at an average RPM. The first number to the right displays tenths of an hour and is a black number on a white surface. The remaining numbers are white on black. Use the hourmeter along with the lubrication Chart to service your tractor at the correct time periods.

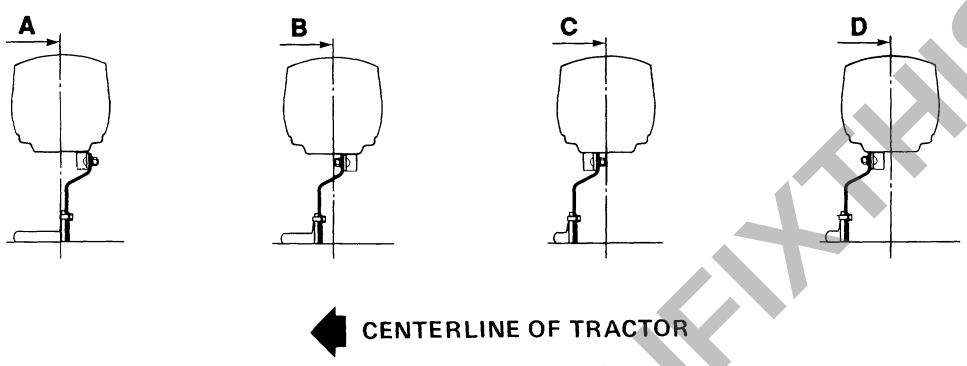
PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Adjustable Wheels – 1140 Tractor

Adjustable type wheels are available for this tractor, and the tread width can be adjusted by changing the rim and disc.

11.2 – 24, R1



TIRE SIZE	REAR WHEEL TREAD WIDTHS			
	A	B	C	D
11.2 – 24 R1	42.5 INCH (1080 mm)	46.9 INCH (1190 mm)	50.8 INCH (1290 mm)	55.1 INCH (1400 mm)

IMPORTANT: *Make sure tires are installed for correct rotation direction to obtain proper traction.*

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

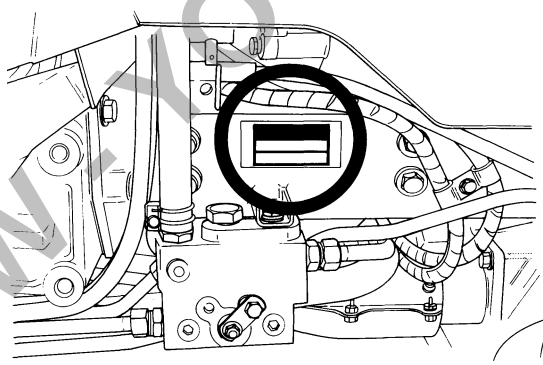
PRODUCT IDENTIFICATION AND SERIAL NUMBERS

Write your machine Model Number, Product Identification Number (P.I.N.), and Serial Numbers of major components on the lines provided. If needed, give these numbers to your dealer when you need parts or information for your machine.

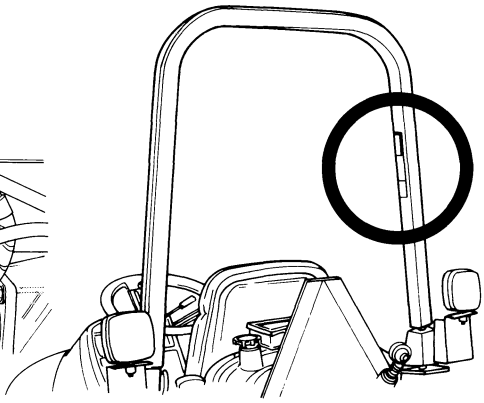
1. **TRACTOR MODEL NUMBER**_____
2. **PRODUCT IDENTIFICATION NUMBER**_____
3. **ENGINE SERIAL NUMBER**_____
4. **ROPS SERIAL NUMBER**_____

IDENTIFICATION NUMBER LOCATIONS

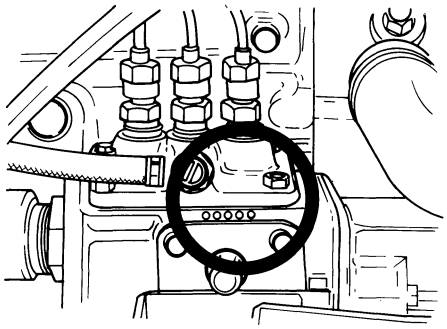
TRACTOR MODEL NUMBER AND PRODUCT IDENTIFICATION NUMBER PLATE



ROPS PRODUCT IDENTIFICATION NUMBER PLATE



ENGINE SERIAL NUMBER



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 180 pages

The full manual includes:

- All 180 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Case IH 1130, 1140, 1130-1140 Tractor Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual