1120
Tractor

Operators Manual

9-19560

Reprinted

CASE

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TO THE OWNER

Read this manual before you start the engine or operate your tractor. If you need more information, see your dealer.

Your dealer can give you assistance with CASE CORPORATION approved service parts. Your dealer has technicians with special training that know the best methods of repair and maintenance for your tractor.

Call your dealer if you need any assistance or information.

MODEL 1120 TRACTOR



NOTE: *When you are in the tractor seat looking forward, the right hand (RH) and left hand (LH) of the tractor are the same as your right hand and left hand.*

Rac 9-19560
March, 1991

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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 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.

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 seat. 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. 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. 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

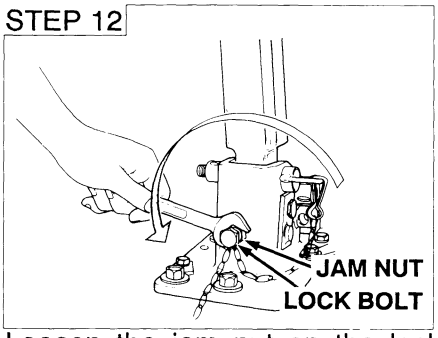
Before leaving the tractor, stop the engine, put all controls in NEUTRAL and apply the park brake.

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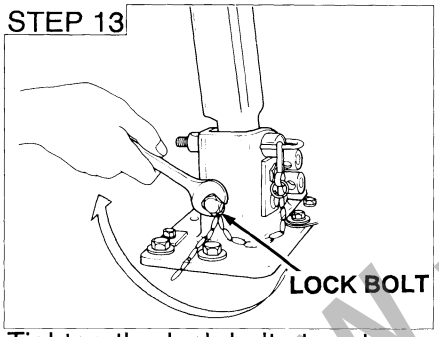
STEP 11
For tractors without a sunshade and for operators who frequently fold the ROPS for low clearance tractor operation, continue to STEP 15.

STEP 12



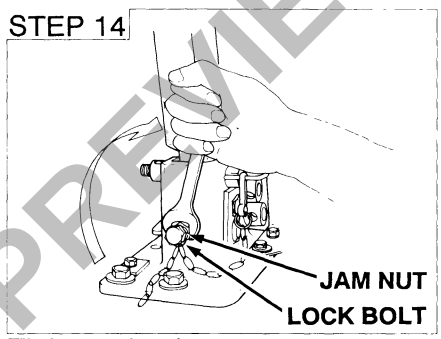
Loosen the jam nut on the lock bolts.

STEP 13



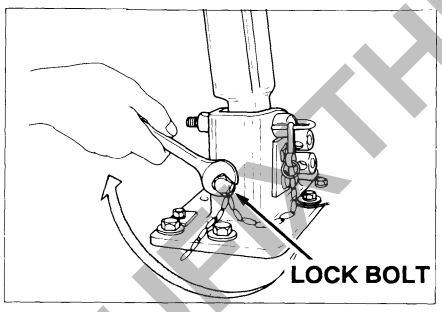
Tighten the lock bolts to a torque of 33 to 40 lb ft (44 to 54 Nm).

STEP 14

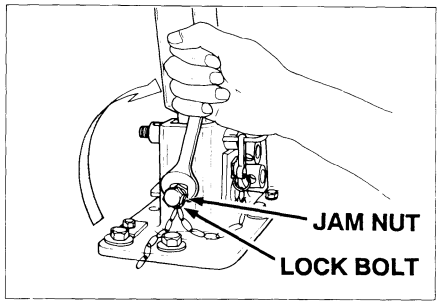


Tighten the jam nut on the lock bolts to a torque of 33 to 40 lb ft (44 to 54 Nm). Continue to STEP 17.

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).

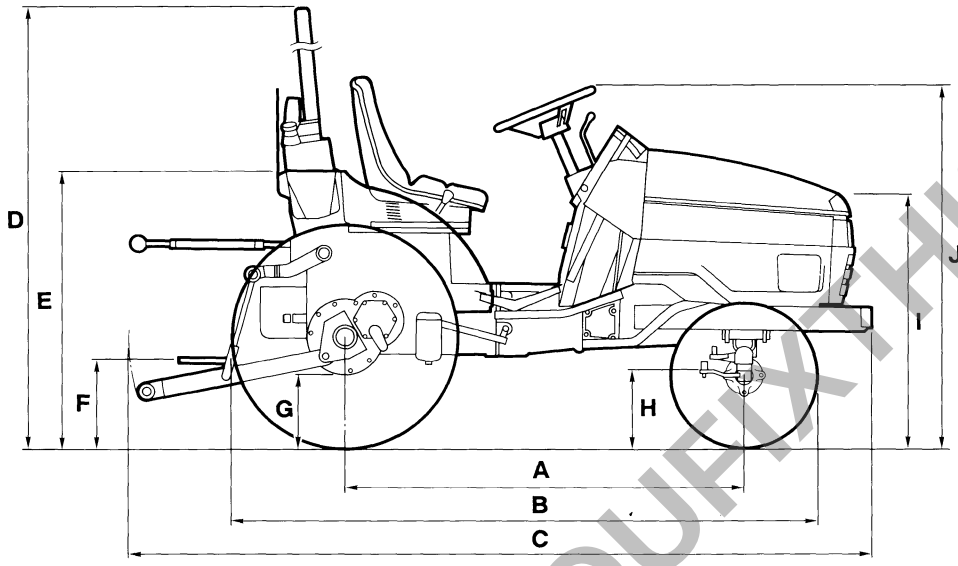
STEP 16
Check the assembly. If the position pins are too tight or loose, repeat STEP 15.

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APPROXIMATE MEASUREMENTS AND WEIGHTS

1120 (Hydrostatic Drive) 2WD Tractor with 2 Post ROPS



TIRE AND WHEEL EQUIPMENT FOR DATA SHOWN BELOW	
Front – 4.00 × 12 F2	Rear – 9.5 × 16 R1
A. 57.9 Inch (1470 mm)	F. 12.2 Inch (310 mm)
B. 85.0 Inch (2160 mm)	G. 10.4 Inch (265 mm)
C. 106.5 Inch (2705 mm)	H. 11.6 Inch (295 mm)
D. 78.9 Inch (2005 mm)	I. 36.8 Inch (935 mm)
E. 40.2 Inch (1020 mm)	J. 53.0 Inch (1345 mm)

Turning Radius Without Brake Assistance ..... 98.4 Inch (2500 mm)
Turning Radius With Brake Assistance ..... 86.6 Inch (2200 mm)

Approximate Tractor Weight

Approximate Weight Equipped as Noted ..... Front 694 lbs (315 kg)
Rear 1058 lbs (480 kg)
Total 1752 lbs (795 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 ..... 2315 lb (1050 kg)
Maximum Rear Axle Load ..... 1985 lb (900 kg)
Maximum Tractor Operating Weight ..... 3200 lb (1450 kg)

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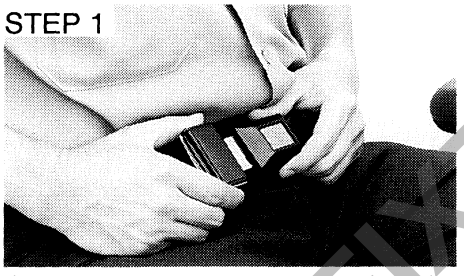
SEAT BELT

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.

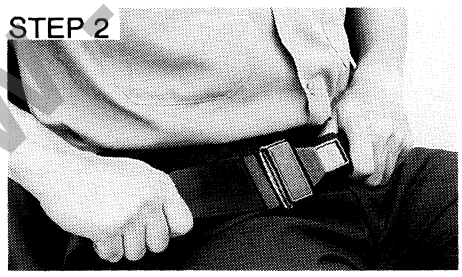
Seat Belt Adjustment

STEP 1



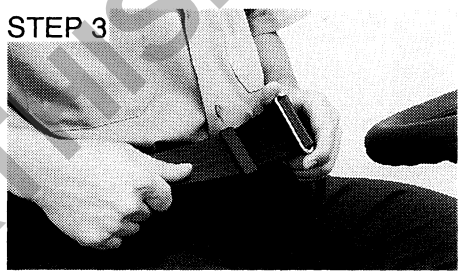
Adjust the seat to your need. Keep your back straight in the seat. Put the belt across your body as LOW ON YOUR BODY AS POSSIBLE.
Any other belt position can result in injury. Push the metal eye into the open end of the buckle until you hear the buckle fasten.

STEP 2



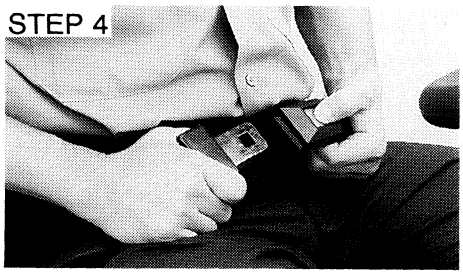
To prevent sliding under the belt, pull the end of the belt until the belt is tight.

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

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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 becomes 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.*

NOTE: *33 × 12.50 − 15 TURF tire can not be filled with water or calcium chloride and water solution.*

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)
9.5-16 R1	13.2	110	11.1	40	132	10.8	53	143

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)
9.5-16 R1	50	50	42	18	60	41	24	65

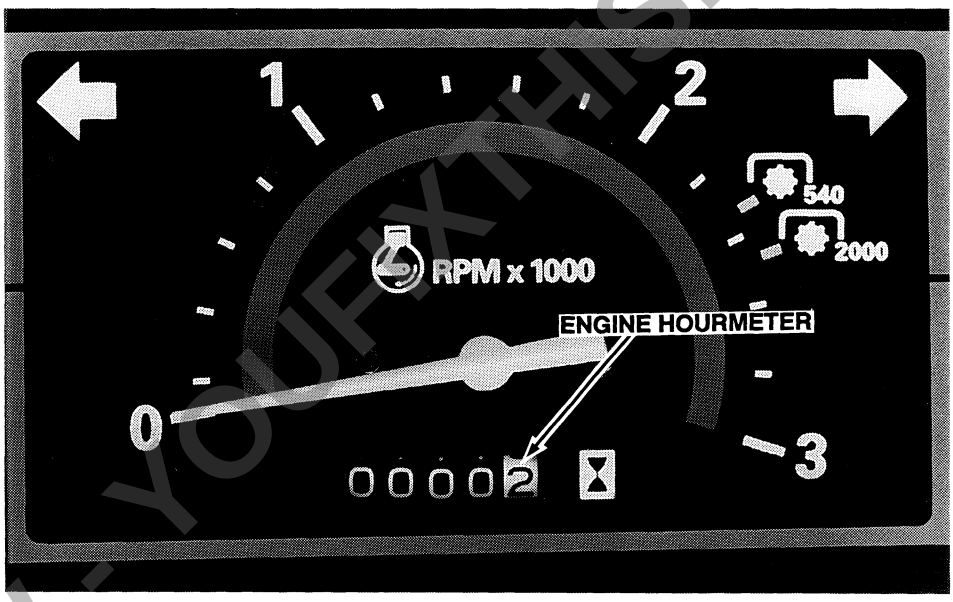
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SERVICE HOUR INTERVAL

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.

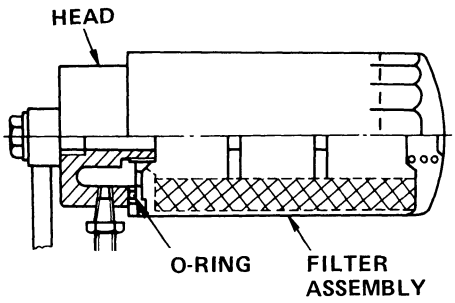
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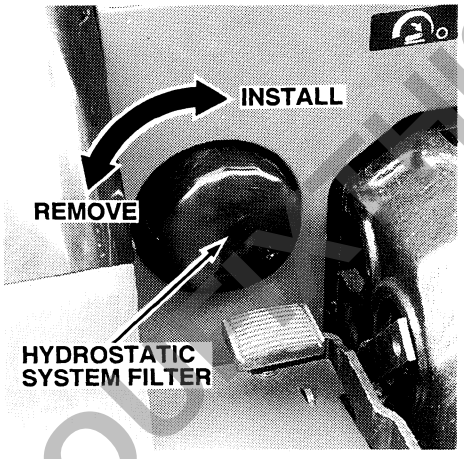
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Hydrostatic System Filter (Hydrostatic Drive)

Filter Change Interval ..... Every 200 hours (See NOTE)

NOTE: *Change the filter after the first 50 hours of operation and every 200 hours of operation thereafter. Replace the filter more frequently when operating under unusual dirt and dust conditions. Your Dealer has approved CASE filters. Do not use other type filters.*





When the transmission fluid filter needs changing, change the filter as follows:

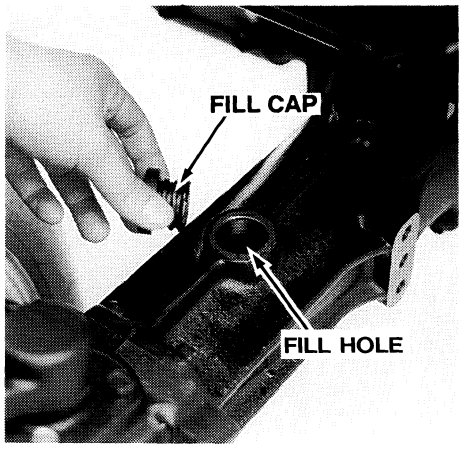
1. Drain the transmission oil.
2. Remove the hydrostatic system filter by turning it counterclockwise. Use a filter wrench, if necessary.
3. Apply clean oil to the O-ring on the new filter.
4. Install the new filter. Turn the filter clockwise until the O-ring comes in contact with the filter head surface. Tighten the filter an additional 2/3 turn by hand.
5. Add the transmission oil through the fill port and check the oil level.
6. Run the engine and check for leaks.
7. After stopping the engine, check the oil level. If it is low, add clean oil.

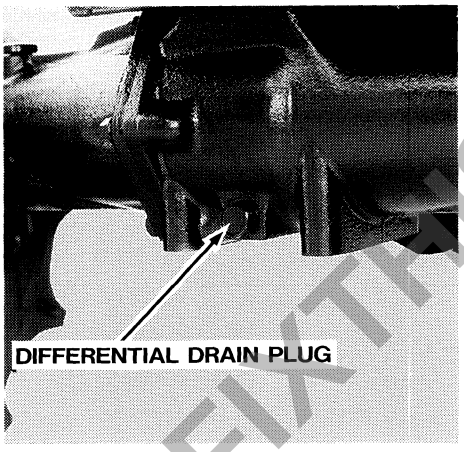
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Front Axle Oil Change

1. To change the front axle oil, put the tractor on level ground. Put the range lever in L, engage the park brake and stop the engine.





2. Remove the fill cap located on the axle housing, the differential drain plug located in the bottom of the housing and the gear case drain plugs located on the bottom of both gear cases to drain the oil.



NOTE: *For best results, drain the oil when the oil is warm.*

3. Install the differential drain plug and both gear case drain plugs. Remove the oil level plugs located on both gear cases. Add the recommended oil through the fill hole until the oil begins to flow out of the level plug holes. Install the oil level plugs and the fill cap.

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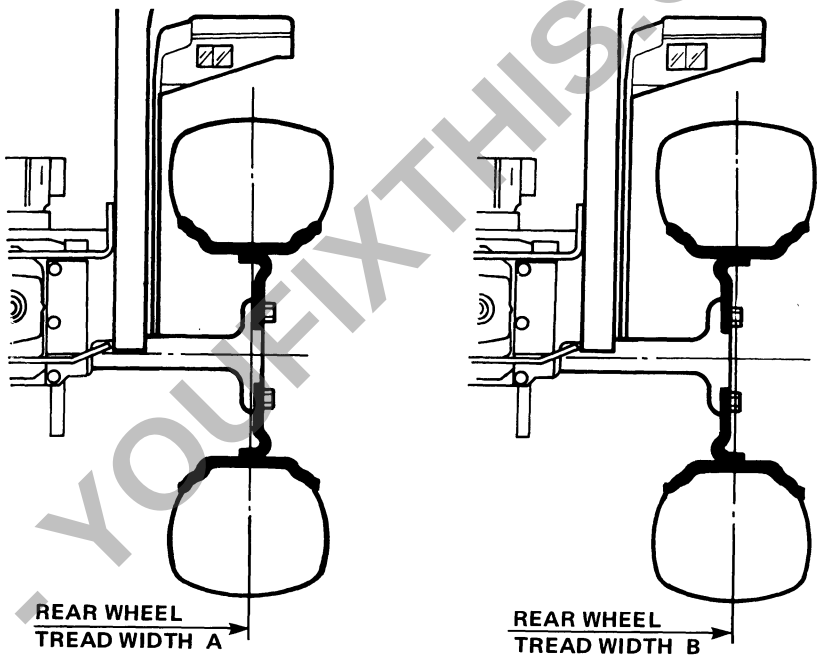
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REAR WHEEL TREAD POSITIONS

The rear wheel tread widths can be adjusted by installing the extension spacers. Measure the tread width between the centers of each tire.

Wheel Treads

One tread width is available.



	9.5 – 16, R1	33 × 12.50 – 15, TURF
Rear Wheel Tread Width A	**36.4 inch (925 mm)**	———
Rear Wheel Tread Width B	———	**39.4 inch (1,000 mm)**

NOTE: *The rear wheel tread position can not be adjusted for the tractor equipped with 9.5 – 16 R1 tires and 33 × 12.50 – 15 TURF tires.*

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

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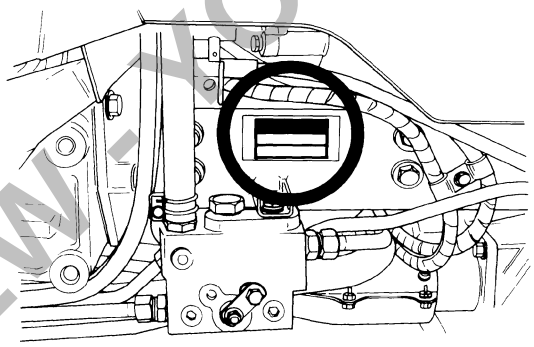
PRODUCT IDENTIFICATION AND SERIAL NUMBERS

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.

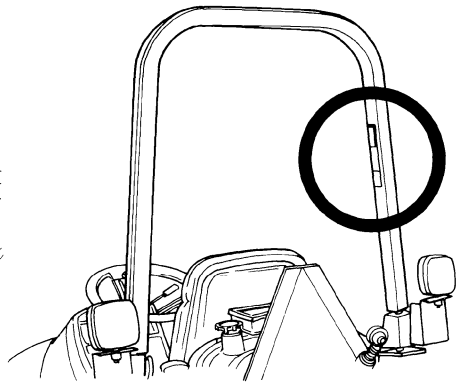
1. **TRACTOR MODEL NUMBER**_____
2. **PRODUCT IDENTIFICATION NUMBER**_____
3. **ENGINE SERIAL NUMBER**_____
4. **ROPS SERIAL NUMBER**_____

IDENTIFICATION NUMBER LOCATIONS

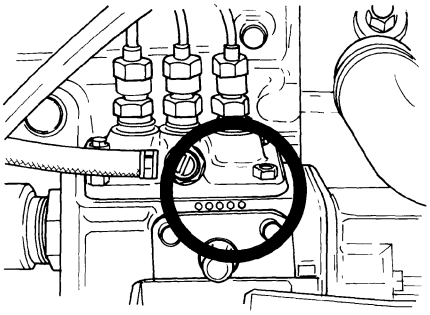
TRACTOR MODEL NUMBER AND PRODUCT IDENTIFICATION NUMBER PLATE



ROPS PRODUCT IDENTIFICATION NUMBER PLATE



ENGINE SERIAL NUMBER



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