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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 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 and load characteristics of the machine before you start to operate.

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

J I Case 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.

⚠ INTENDED USE ⚠

This Case I H tractor is designed solely for use in customary agricultural or similar operation (“intended use”).

Use in any other way is considered as contrary to the intended use. The manufacturer accepts no liability for any damage or injury resulting from this misuse and these risks must be born solely by the user.

Compliance with and strict adherance to the conditions of operation, service and repair as specified by the manufacturer also constitute essential elements for the intended use.

This Case I H tractor should be operated, serviced and repaired only by persons familiar with all its particular characteristics and acquainted with the relevant safety rules (accident prevention).

The accident prevention regulations, all other generally recognised regulations on safety and occupational medicine and the road traffic regulations must be observed at all times.

Any arbitrary modifications carried out on the tractor will relieve the manufacturer of all liability for any resulting damage or injury.

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GENERAL SPECIFICATIONS

Specifications for each machine are under individual headings which follow these GENERAL SPECIFICATIONS.

Capacities

Fuel tank	8.8 gal (40 litre)
Auxiliary fuel tank	6.6 gal (30 litre)
Hydraulic lift housing	2.6 gal (12 litre)
Differential (MFD)	1 gal (4.5 litre)
Final drive (MFD)	1 pint (0.5 litre)
Mechanical steering gear box	0.6 pints (0.36 litre)

NOTE: *These capacities are only a guide to the quantities. Always use the dipstick or level plug to make sure that units are filled to the correct level. All gallons and pints shown are imperial UK.*

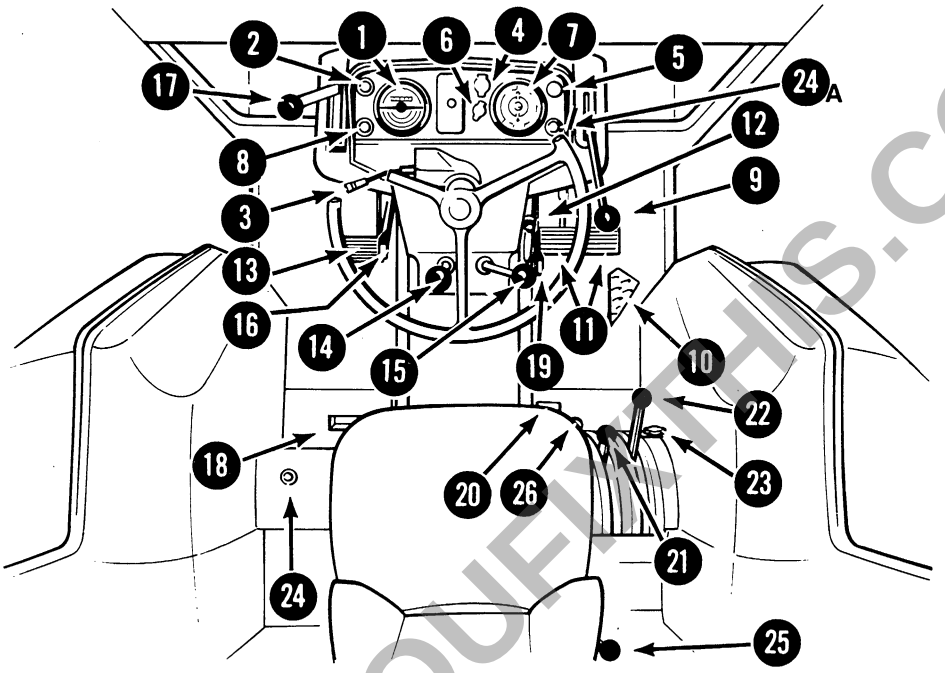
Electrical System

Type of system	12 volt negative ground
Battery reserve capacity (Rating IEC/BS)	145 minute
Battery cold cranking amperes (Rating IEC/BS)	395 ampere
Standard alternator	33 ampere
Head lamps (2)	12 volt, 60/55 watt halogen prefocus cap
Side lamps (2)	12 volt, 10 watt small bayonet cap or 12 volt, 5 watt festoon
Stop lamps (2)	12 volt, 21 watt small bayonet cap
Tail lamps (2)	12 volt, 10 watt small bayonet cap or 12 volt, 5 watt festoon
Work lamps	12 volt, 35 watt halogen or 12 volt, 55 watt halogen
Registration number plate lamp	12 volt, 10 watt small bayonet cap or 12 volt, 5 watt festoon
Direction indicator lamps (2)	12 volt, 21 watt small bayonet cap
Instrument warning lamps	12 volt. 2 watt small bayonet cap or 12 volt, 3 watt small bayonet cap
Tractormeter lamp	12 volt, 2 watt miniature bayonet cap or 12 volt, 3 watt miniature bayonet cap
MFD switch lamp	12 volt, 1.2 watt capless wedge

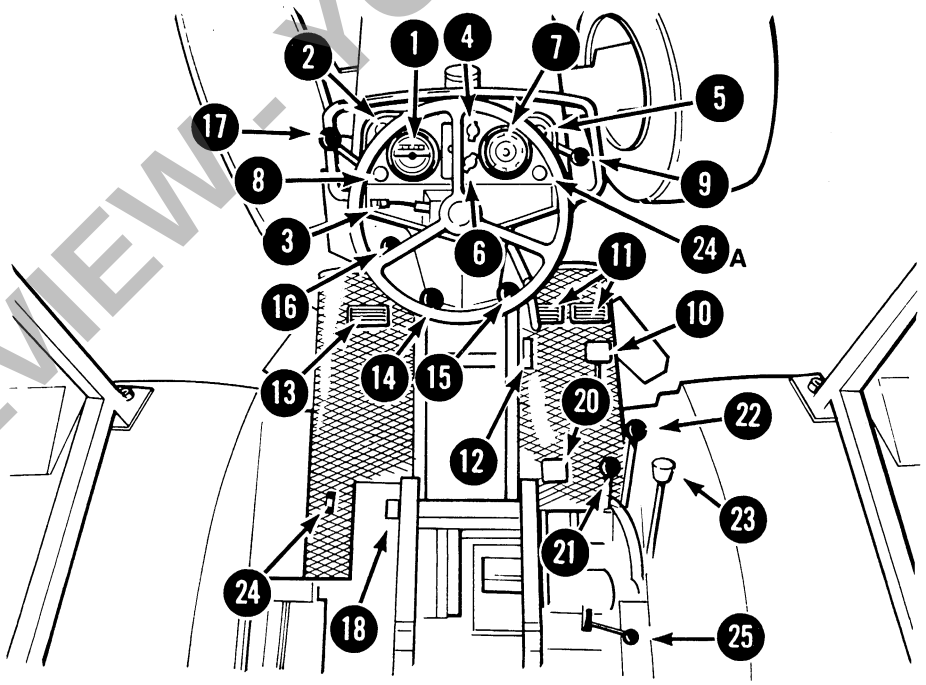
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INSTRUMENTS AND CONTROLS



Tractors with Silent 85 Cab or Low Profile Cab.



Tractors with Combi-Cab or without Cab

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TRACTOR OPERATION

Run-in Procedure

If run-in instructions for a new engine are not followed, you can cause damage to the engine.

Load

During the first eight hours of operating the tractor in the field, operate in one gear range lower than normal. During the next 12 operating hours, DO NOT "lug" the engine. To prevent "lugging" put the transmission in a lower gear range. A new engine must be "lugged" below the rated RPM (see specifications).

No Load

Do not run the engine at idle speed. When not operating the engine with a load, you can keep the correct engine operating temperature if you run the engine at approximately 1500 RPM.

Engine Oil

Change the engine oil after the first 200 hours of operation. Remove the oil while the engine is hot. Install new oil of the correct rating as given on the Lubrication Chart. Refer to Engine Oil Change in this manual.

Engine Oil Filter

After the first 200 hours of operation, change the engine oil filter. Refer to Engine Oil Filter in this manual.

Wheel Nuts and Bolts

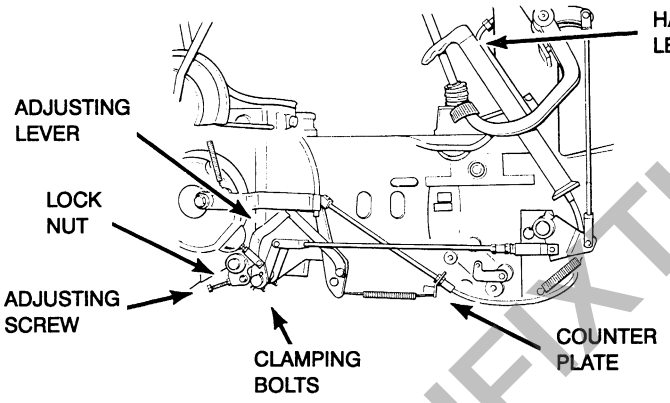
After the first 10 of operation, check the wheel bolts. Tighten all wheel bolts to the torque given in the WHEEL TREAD POSITIONS section of this manual. Check the torque every 50 hours until torques remain constant.

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Parking Brake Adjustment

The tractor can be equipped with a parking brake, acting on the linkage of the regular service brake, or with an independent parking brake. The combined parking brake does not need separate adjustment as this is done when adjusting the service foot brake.



Adjustment of the independent parking brake becomes necessary when the hand lever can be pulled up 3.9 inch (100 mm) 15 clicks or more easily.

To adjust independent parking brake push the hand brake lever fully down. Loosen lock nut, and clamping bolts, turn adjusting screw approximately two to three turns in and check the operating range of hand lever.

When properly adjusted the hand brake must start to grip lightly after 3 to 4 clicks.

In the released position the brake must be completely free.

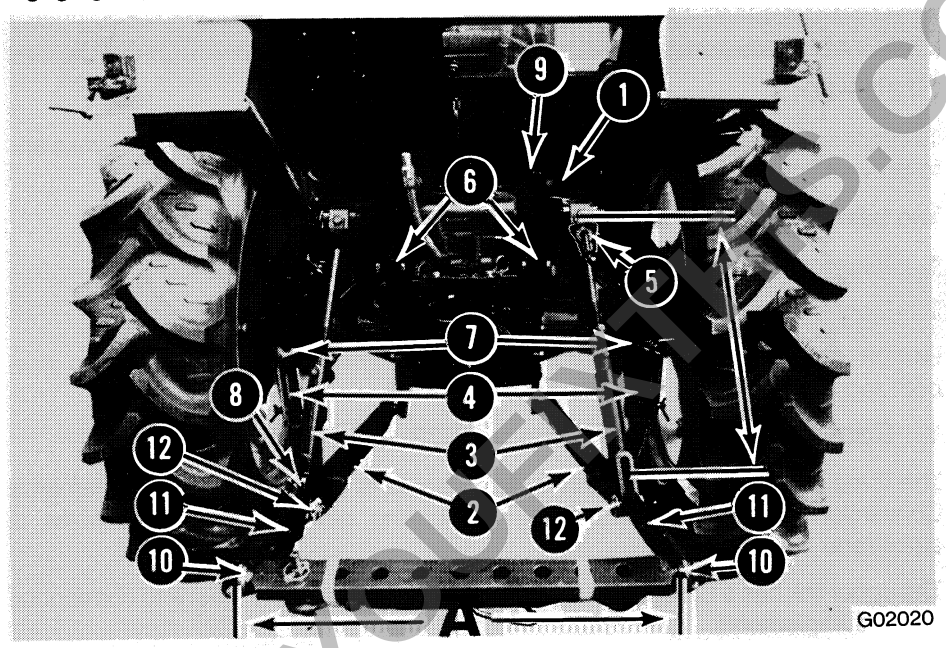
Tighten the lock nut and bolts after completing the adjustment.

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THREE POINT HITCH SYSTEM

The Case three point hitch system gives position control and draft control of soil engaging implements.



A. Lower link spread: 26.9 inch(683 mm) for Category I.
32.4 inch (824 mm) for Category II.

B. Lift rod length, basic adjustment:
Installed in front hole (11) 533 = 25.6 inch (650 mm)
633/733/833/933 = 27.6 inch (700 mm)
Installed in rear hole (12) for increase of power
533 = 26.4 inch (670 mm)
633/733/833/933 = 30.1 inch (765 mm)

1. Upper link
2. Lower links
3. Lifting rods
4. Stabilizers
5. Levelling crank
6. Lifting rod brackets for rigid suspension
7. Side brackets
8. Lifting rod fork, LH
9. Upper link holder
10. Lower link balls
11. Front holes
12. Rear holes

The three point linkage hitch is available in two versions:
1. Conventional ball type connections on the lower links
2. Fast hitch type connections.

Unless stated otherwise, the following information applies to both versions.

WARNING: Be certain all hitch retaining pins are securely engaged in the implement lift pins and both lower link pins are fully engaged before transporting or pulling the implement.

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Adjusting Front Wheel Tread Positions

2 Wheel Drive Tractors

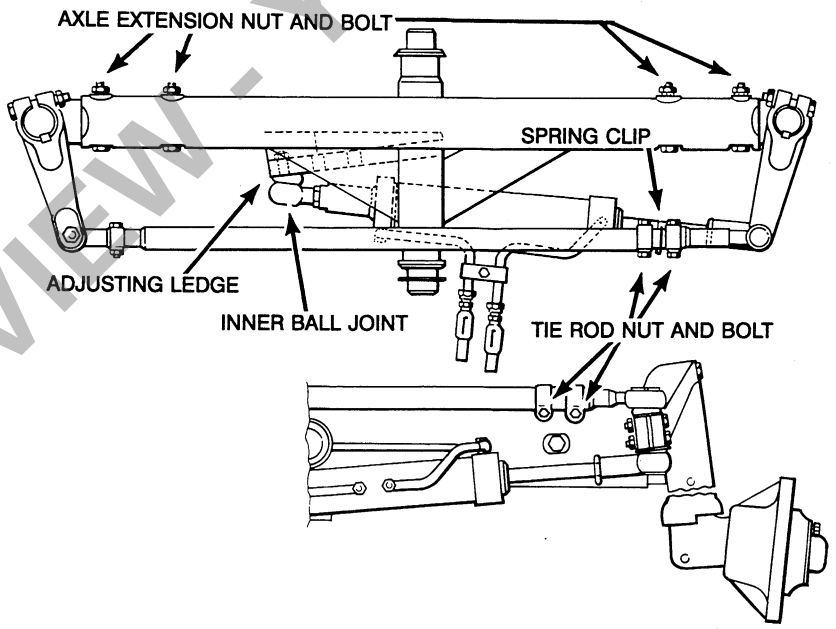
Put the tractor on level ground and turn the wheels to the straight ahead position and raise both wheels clear of the ground.

Remove the axle extension nuts and bolts.
Remove the spring clip.
Loosen the bolts on the tie rod.
Move the axle extensions in or out equally until the bolt holes align at the tread position needed.
Relocate the inner ball joint of the steering cylinder in the respective hole in the adjusting ledge.

NOTE: *The spacing of holes in the tie rod and adjusting ledge correspond with the locating holes in the axle extensions.*

Install the axle extension bolts and nuts and tighten to 184 lb ft (250 Nm).
Adjust the tie rod to the correct position.
Install the spring clip and tighten the tie rod bolts and nuts. Check torque after the first 10 hours of operation and then every 50 hours of operation until torques remain constant.
Lower the tractor to the ground.

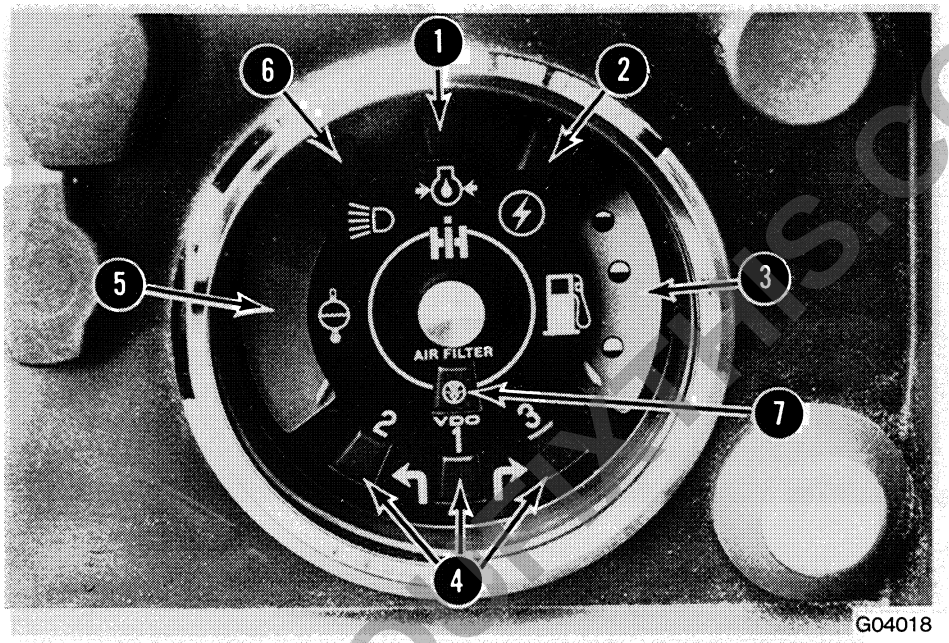
Adjust front wheel alignment (See Maintenance Section).



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WARNING LIGHTS AND GAUGES



1. Engine oil pressure warning light
2. Alternator warning light
3. Fuel contents gauge
4. Direction indicator warning lamp
5. Coolant temperature gauge
6. Headlight main beam warning light
7. Air cleaner restriction indicator light

1. ENGINE OIL PRESSURE WARNING LIGHT - This red light must be on when the keyswitch is turned to the first position clockwise but will go out as soon as the engine has started, indicating that the engine oil is circulating through the engine at the correct pressure.

   If the light does not go out immediately after the engine starts or if it comes on during operation, stop the engine and ask your CASE Dealer to find the cause.

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SERIAL NUMBERS

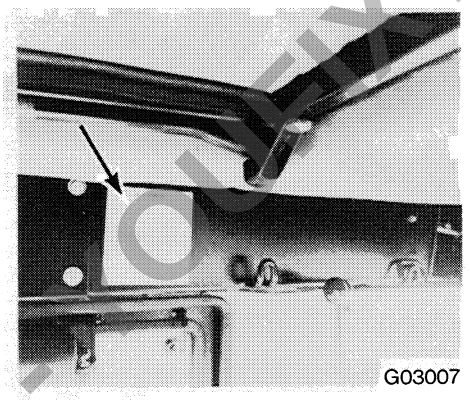
This manual gives the operating and maintenance instructions for the present 33 series of agricultural tractors.

When in need of service parts always quote the tractor, transmission unit, and engine serial numbers, including prefix and suffix letters.

For ready reference write the serial numbers of your machine in the chart below.

If information is required that is not available in this manual see the nearest Authorized Case Dealer.

Serial Number Location

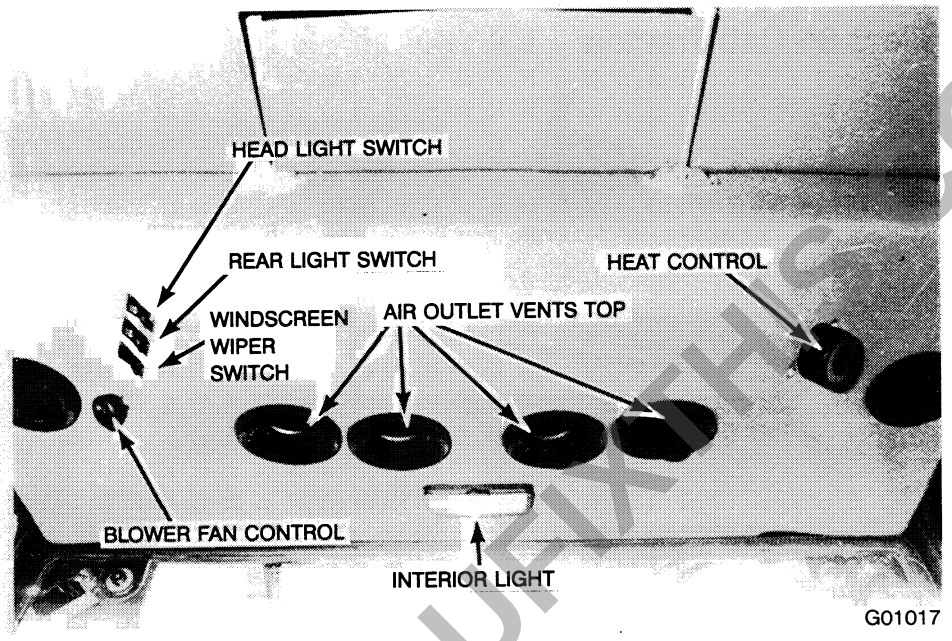

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GENERAL SERIAL PLATE

ENGINE No.		
HYDRAULICS No.		
TRANSMISSION No.		
CAB TYPE A. SERIAL No.		
TRANSMISSION:SPECIFICATION LIST No.		
FOUR WHEEL DRIVE	SERIAL No.	
	SPECIFICATION LIST No.	
FRONT DRIVE AXLE	TYPE	
	SERIAL No.	
	SPECIFICATION LIST No.	

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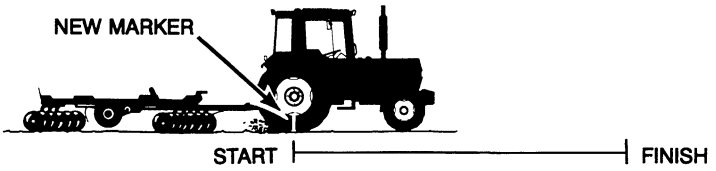


LOW PROFILE CAB TRACTOR

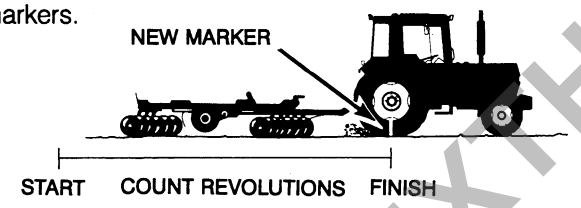
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5. Lift the implement out of the ground. Put the tractor in position and put a new reference mark on the rear tire aligned with the first ground marker.

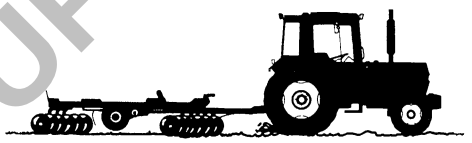


6. Operate the tractor, with the implement raised, from the first ground marker to the second ground marker. Count the number of wheel revolutions between the two ground markers.



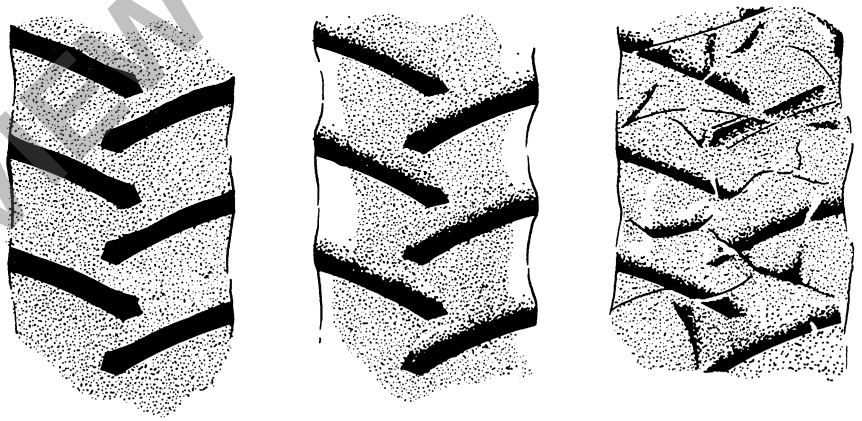
7. Find the percentage of slip as follows:

Wheel Revolutions	Slip (%)
9-½	5
9	10
8-½	15
8	20
7-½	25
7	30



IDEAL WHEEL SLIP 8-15%

NOTE: *When you have too much ballast installed on the tractor, you will see the clear shape of the tire tread in the ground which is an indication of no slippage. With too little ballast, the tire tread marks will not show because of the tire slippage.*



Too Much Ballast Correct Ballast Too Little Ballast

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