585, Tractor

Operator's Manual

9-11263

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SAFETY
Safety Rules

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.

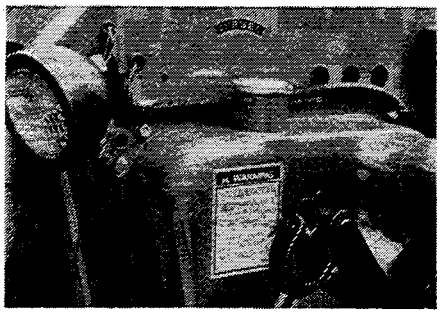
J I Case is continuing to work for your safety: by making tractors with better protection and by giving these rules for safe operation.



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

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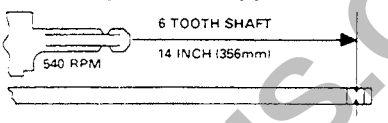


⚠ WARNING

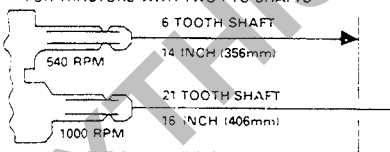
TO AVOID CLOTHING ENTANGLEMENT AND INJURY, PTO SHIELD MUST BE POSITIONED FOR SHAFT BEING USED. KEEP DRIVELINE SHIELDS IN PLACE.

DRAWBAR MUST BE SET AND LOCKED TO PREVENT BOTTOMING OR SEPARATION OF DRIVELINE.

FOR TRACTORS WITH ONE PTO SHAFT



FOR TRACTORS WITH TWO PTO SHAFTS

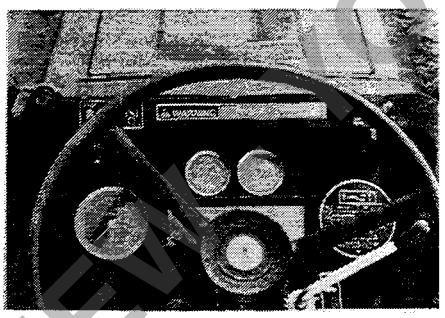


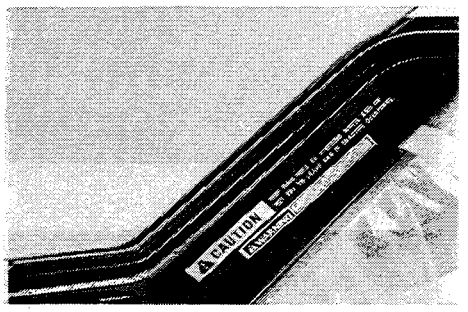
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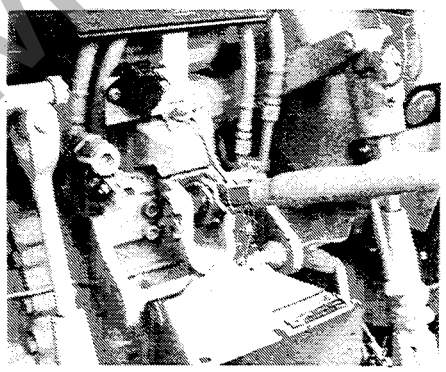
⚠ WARNING

PTO MACHINES MAY FAIL IF OPERATED OVER RATED SPEEDS. AVOID INJURY. LIMIT RPM TO 600 OR LESS FOR 540 RPM MACHINES AND 1100 OR LESS FOR 1000 RPM MACHINES. COS

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⚠ WARNING

Power drive system safety shields must be kept in place.

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Power Steering

Type . . . . . Hydrostatic
Power Supply . . . . . Gear Pump, Part of Hydraulic System
Capacity, Flow Divider Controlled . . . . Approx. 2.5 U.S. GPM (9.5 Litre /min)
Steering Pump . . . . . Hydrostatic Type, Actuated by the Steering Wheel
Steering Cylinder . . . . . Double Action Cylinder

Hitch System

Type Hitch . . . . . Three Point, Category II
Type of Sensing . . . . . Torsion Bar, Upper Link
Type of Control . . . . . .Three Levers
for Draft, Position and Raise /Drop Response
Type Valve . . . . . Four Position, Lift, Hold, Lower, and Float
Draft Arms
Standard: . . . . . Rigid, Swing Type, Manual Float Adjustment
Optional: . . . . . .Telescopic
Lateral Control . . . . . Inside or Outside Check Chains and Stabilizers

Remote Hydraulic System

Pump . . . . . Gear Type
Pump Capacity at Rated Engine Speed of 2300 RPM
Standard Pump . . . . . 15.1 U.S. GPM (57.2 Litre/min)
Optional Pump . . . . . 17.3 U.S. GPM (65.5 Litre/min)
Type of Remote Valves . . . . . Open Center, Lever Control

NOTE: *Flow to the remote couplers is reduced by 2.5 U.S. GPM (9.5 Litre/min) by Steering System.*

Maximum System Pressure . . . . . 2500 PSI (17 237 kPa) (172.37 bar)
Couplings . . . . . ISO Standard, Fast Removal, Break Away Type

Drawbar

Standard . . . . . Adjustable Slide and Swing Type

Power Takeoff

PTO Type . . . . . Independent of Transmission
Type Clutch . . . . . Hydraulically Actuated
Rotation . . . . . Clockwise, from Rear of Tractor
PTO Speed . . . . . Standard: 540 RPM
Optional: 540/1000 RPM
Engine Speed at 540 RPM PTO Speed . . . . . 2139 RPM
Engine Speed at 1000 RPM PTO Speed . . . . . 2190 RPM
Number of Shaft Splines . . . . . 540, Upper Shaft, 6
1000, Lower Shaft, 21
Spline Diameter . . . . . 1 3/8 inch (34.9 mm)

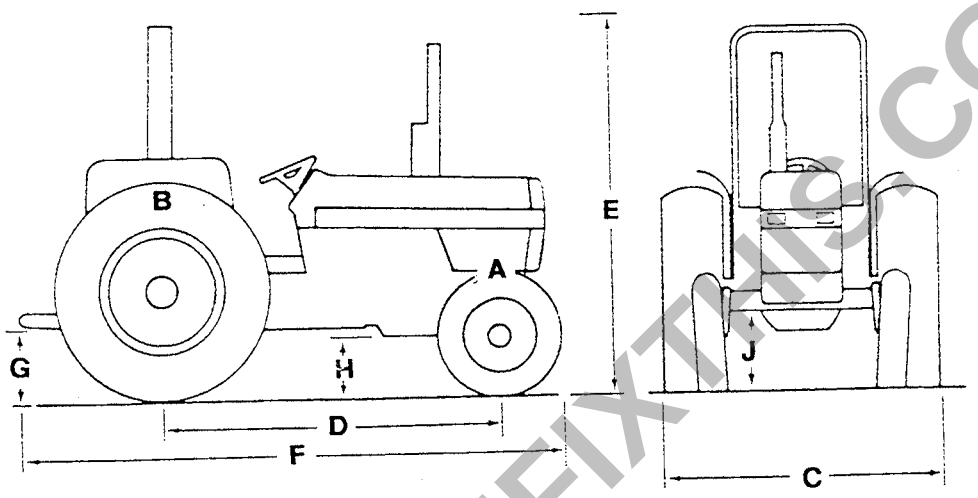
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APPROXIMATE MEASUREMENTS AND WEIGHTS

Row Crop and Low Profile ROPS Tractors

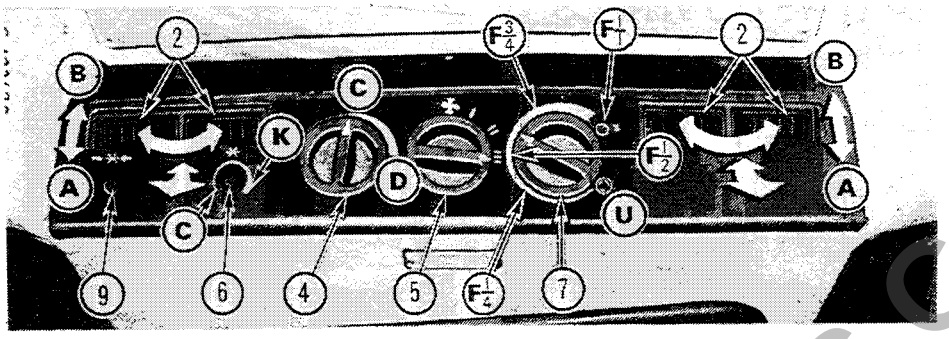
Measurements



	ROW CROP ROPS 2WD	ROW CROP ROPS MFD	ROW CROP ROPS 2WD WITH TOBACCO AXLE	LOW PROFILE ROPS 2WD
A	6.00 - 16	9.5 - 24	7.50 - 16	9.00 - 10
B	16.9 - 30	16.9 - 30	16.9 - 30	18.4 - 16.1
C	75 inch (1 905 mm)	88 inch (2 235 mm)	75 inch (1 905 mm)	82.8 inch (2 103 mm)
D	84.5 inch (2 146 mm)	88 inch (2 235 mm)	84.5 inch (2 146 mm)	84.3 inch (2 243 mm)
E	96.5 inch (2 451 mm)	93.5 inch (2 375 mm)	93.5 inch (2 375 mm)	88.9 inch (2 258 mm)
F	142 inch (3 607 mm)	145.6 inch (3 510 mm)	142.3 inch (3 614 mm)	139.2 inch (3 536 mm)
G	15.5 inch (394 mm)	15.5 inch (394 mm)	15.5 inch (394 mm)	9.1 inch (231 mm)
H	17.3 inch (439 mm)	17.3 inch (439 mm)	17.3 inch (439 mm)	10.3 inch (262 mm)
J	26.7 inch (678 mm)	14.5 inch (368 mm)	29.4 inch (747 mm)	17.5 inch (445 mm)

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A - Open
B - Closed
C - Off
D - Maximum Heat
F 1/4 - 1/1 Fresh Air Selection
K - Max. Cooling
U - Recirculation

NOTES

1. Close all doors, windows and hatches. However if the tractor has been exposed to strong sunlight for some time, open the windows after switching on the air conditioning until hot air is expelled. During operation con-densation may appear from the front cab struts. If warning light (11) lights up see your CASE service sation. Probable cause: Loss of refrigerant, ingress of moisture or contamination of condenser.

2. Turn control knob (9) to "Recirculation.". Direct defroster louver (3) against windshield.

3. Control (9) should only be switched fully to recirculation if outside air is polluted by smoke, fumes, insecticide, etc. Otherwise a regular supply of fresh air is advisable.

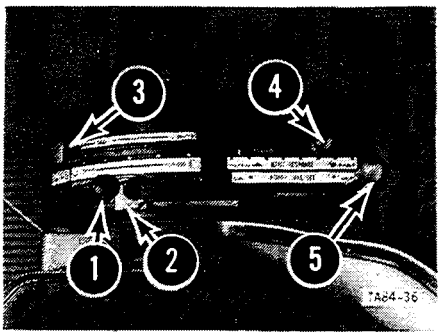
WARNING: ***Cab air filters remove dust in the air, but are not capable of removing chemicals used in spraying crops or in weed control. Many chemicals used for these purposes are toxic when improperly used, and can be hazardous to operators and others in the area. Follow the instructions of manufacturers of both the equipment and the chemicals regarding prohibitions against inhalation of dust or spray, personal hygiene practices, and other precautions noted by the manufacturers.***

Comfort Condition	Fan Control (7)	Heat Control (6)	Air Conditioning Control (8)	Air Vents (2)	Recirculation Control (9)	See Notes
Pressurize	III	As Required	As Required	A	F 1/1	
Cool	III	C	K	A	F 1/4	1
Heat	I - II	D	C	A	F 1/4	
Defrost	III	D	C	B	U	2
Dehumidify	I	As Required	K	A	F 1/4	
Recirculate	As Required	As Required	As Required	A	U	3

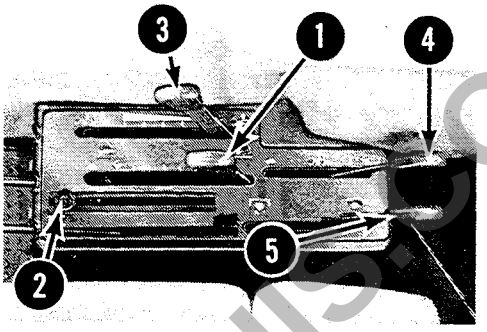
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HITCH SYSTEM CONTROLS



ROPS Tractor



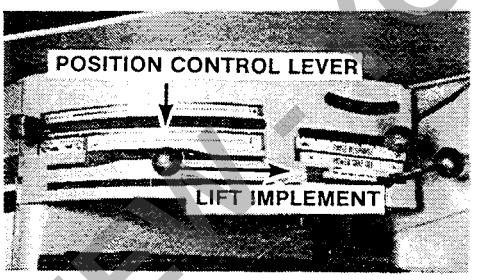
Cab Tractor

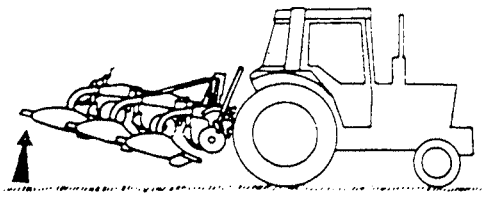
1. Position Lever
2. Adjustable Stop
3. Draft Lever
4. Raise Response Lever
5. Power Take Off Lever

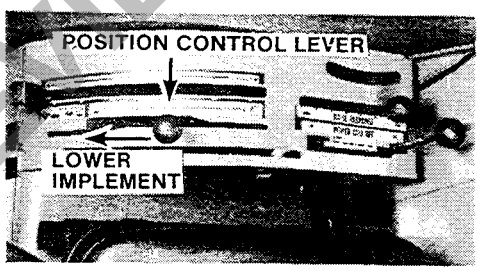
Figure 45

Position Control

This controls the three point linkage (and mounted equipment) between the transport and working positions. Moving the lever rearward in the slot will raise the three point linkage. Moving the lever forward in the slot will lower the three point linkage.







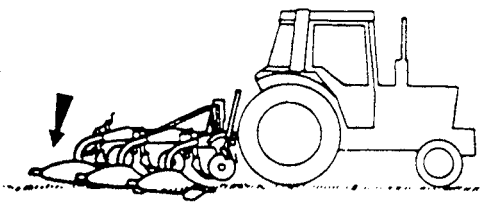


Figure 46

CAUTION: ***Do not park the tractor with the equipment raised. If the position control lever is moved the equipment will lower even when the engine is stopped.***

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THREE POINT HITCH

The Case three point hitch system gives position and draft control of soil engaging implements. The tractor is fitted with Category II links, which can be converted to Category I with 3 reducer bushings, available from your Case dealer. Utility, MFD and Low Profile Tractors are equipped with,outside check chains,stabilizers and fixed lower links. Row Crop Tractors have inside check chains and fixed lower links. Telescopic lower links are available for Category II implements only.

Implement Identification Dimensions are:

	Category I Implement	Category II Implement
Diameter of hitch pins	7/8 inches (22.3mm)	1-1/8 inches (28.6mm)
Distance between shoulders of hitch pin	26-7/8 inches (682.6mm)	32-1/4 inches (819mm)
Gap in top of implement mast	1-3/4 inches (44.5mm)	2-1/16 inches (52.4mm)
Diameter of holes in top of implement mast	3/4 inches (19.1mm)	1 inch (25.4mm)

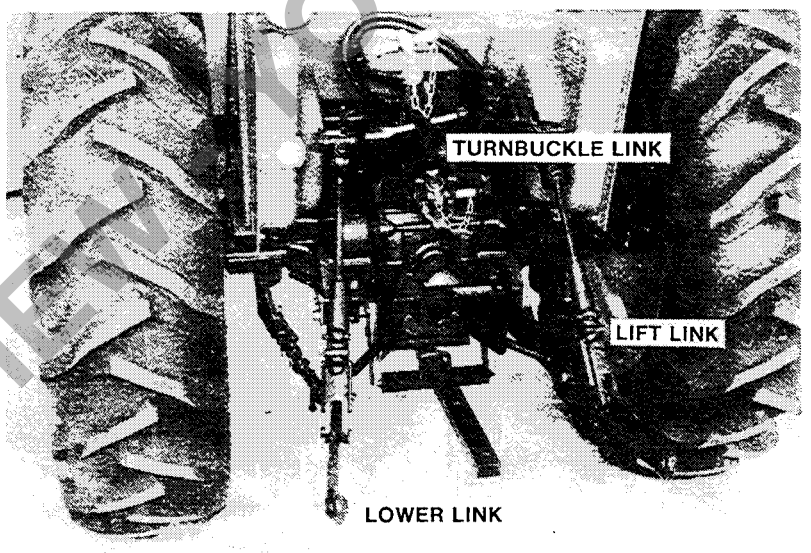


Figure 65

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

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Lubrication Schedule

REF. NUMBER	SERVICE POINTS	NO. OF POINTS	APPLY GREASE	CHECK	CHANGE	FREQUENCY
1	Front Axle King Pins	2	▒			10 HOURS ○
2	Steering Arm Pivot	1	▒			
3	Front Axle Pivot	2	▒			
4	Steering Cylinder Pivot and Clevis	2	▒			
5	Front Axle Universal Joints (MFD)	2	▒			
6	Front Axle Swivel Pins (MFD)	4	▒			
7	Three Point Linkage	3	▒			
8	Engine Oil Level	1		▒		
9	Transmission/Hydraulic Oil Level	1		▒		
10	Brake Pedal Shaft (ROPS Tractor)	1	▒			200 HOURS △
11	Differential Lock Pedal (Cab Tractor)	1	▒			
12	Differential Oil Level (MFD)	1		▒		
13	Front Hubs Oil Level (MFD)	2		▒		
14	Engine Oil	1			▒	
15	Engine Oil Filter	1			▒	
16	Transmission/Hydraulic Filter	1			▒	
17	Front Wheel Bearings (2WD)	2	▒			800 HOURS ⬡
18	Transmission/Hydraulic Oil	3			▒	
19	Front Hubs Oil (MFD.)	2			▒	
20	Front Differential Oil (MFD)	2			▒	

Occasionally lubricate engine, transmission and hydraulic control linkages with engine oil. Apply lubricant to the threads of the three point linkage levelling screw.

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Transmission/Hydraulic Oil Change

1. Move the tractor onto level ground and remove the drain plugs. On tractors with MFD, remove the drive shaft shield to get to the front drain plug.

2. Install and tighten the plugs when the oil has drained .

3. Remove the filler plug and pour in, 36 US Quarts (34 Litres) of oil for 2WD or 38.6 U.S.Quarts (36.5 Litres) for MFD.

4. Operate the engine for three minutes at 1600 rpm.

5. Stop the engine and immediately check the level with the dipstick.

6. Add oil if necessary then operate the hydraulic and steering systems, with the range and gear levers in neutral, to remove air.

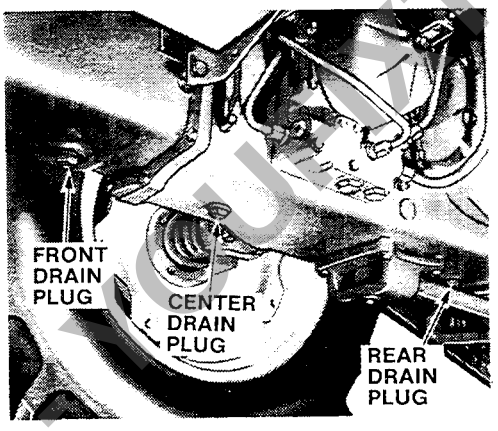


Figure 94
Tractor without MFD

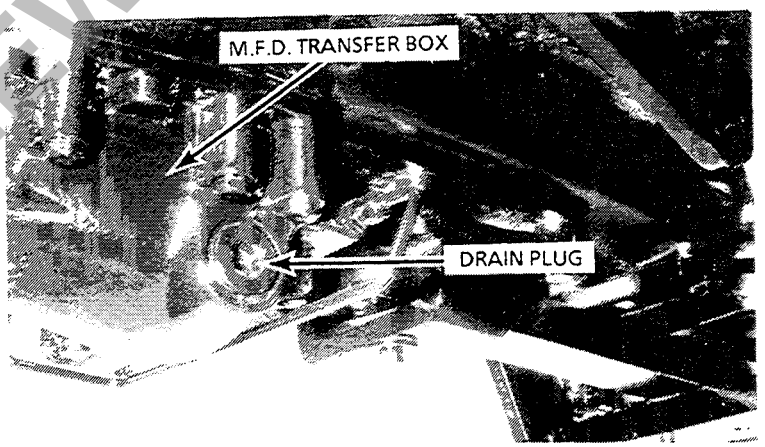
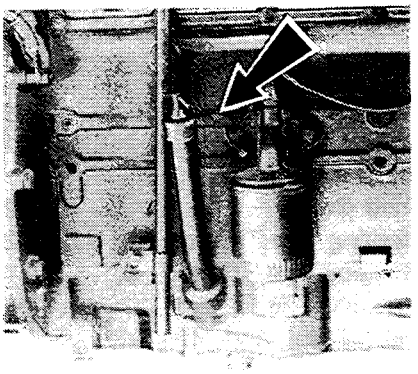


Figure 95
Tractor with MFD

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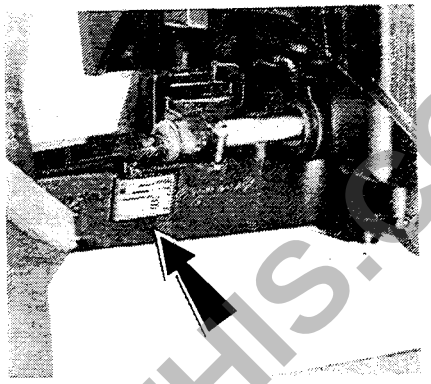
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ENGINE SERIAL NUMBER



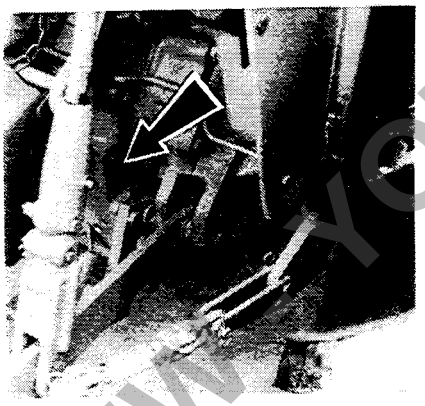
On right hand side of engine.

MFD AXLE SERIAL NUMBER



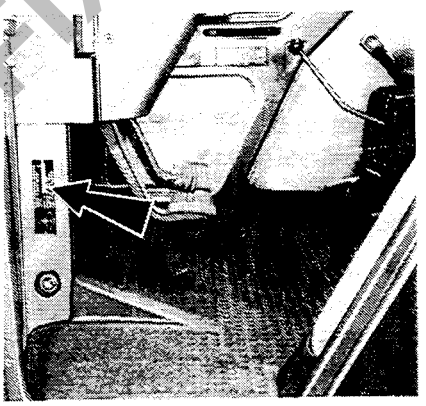
On rear left hand of housing.

TRANSMISSION SERIAL NUMBER



On right hand rear of transmission

CAB SERIAL NUMBER



Inside cab, left ,lower front

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