3210, 3220, 3230, 4210, 4220, 4230 and 4240 Tractors

Don 9-24844

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⚠ SAFETY ⚠

Before operating, read and comply with the operators manual and safety instructions.

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 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.*** M171B

INTENDED USE

This Case 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 specificed by the manufacturer also constitutes essential elements for the intended use.

This Case 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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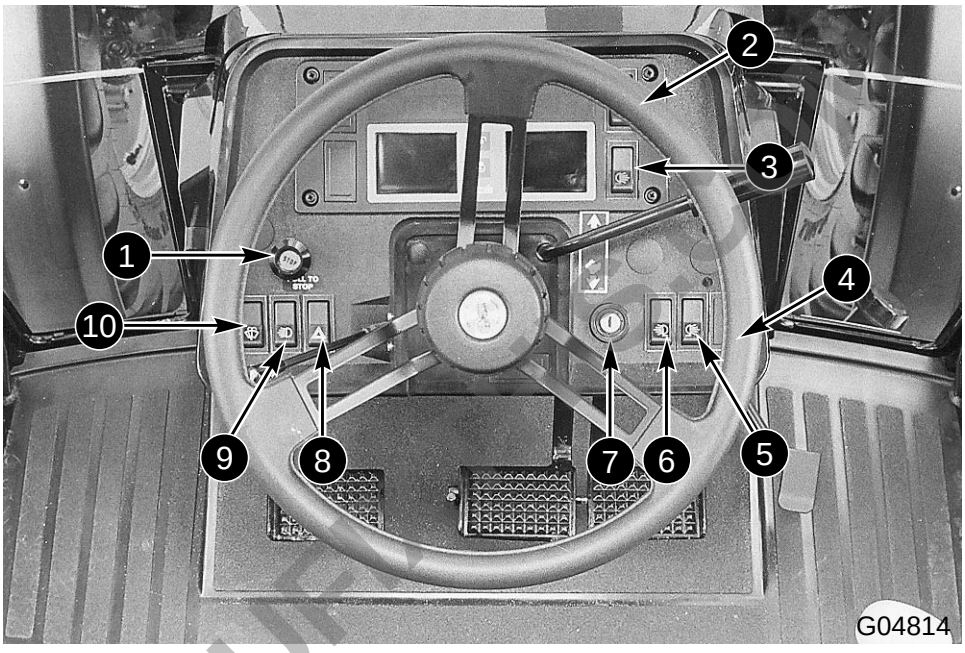
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OPERATING CONTROLS
(XL Cab, LP Cab, Platform)

Instrument Panel



1. ENGINE STOP CONTROL - Pull the control fully out to stop the engine. The control must be pushed fully in for the engine to start.
2. FRONT PTO SWITCH (If Equipped) - Press the rear of the switch down, push the switch lock rearwards and at the same time press the rear of the switch again and release to operate the front PTO.
3. HEADLAMP CHANGE OVER SWITCH (If Equipped) - This switch is to be used when an implement is mounted to the front hitch restricting the main head lamps. Press the rear of the switch down to illuminate the cab mounted head lamps and the main head lamps will go off.
4. ROTATING BEACON SWITCH (If Equipped) - Press down the bottom of this switch to illuminate the rotating beacon.
5. REAR WORK LAMP SWITCH - Press down the bottom of this switch to illuminate the rear work lamps.
6. FRONT WORK LAMP SWITCH - Press down the bottom of this switch to illuminate the front work lamps.

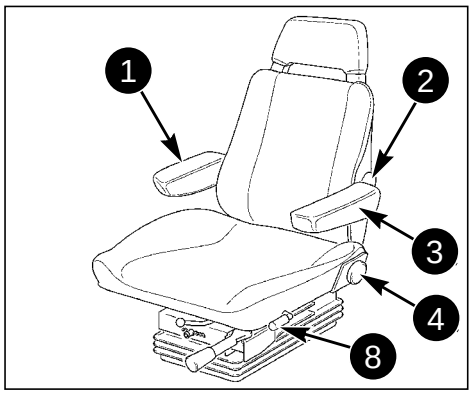
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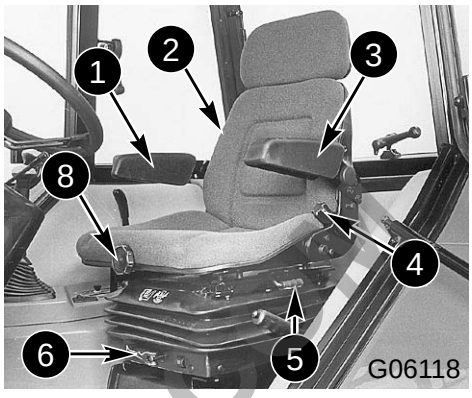
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SEAT D

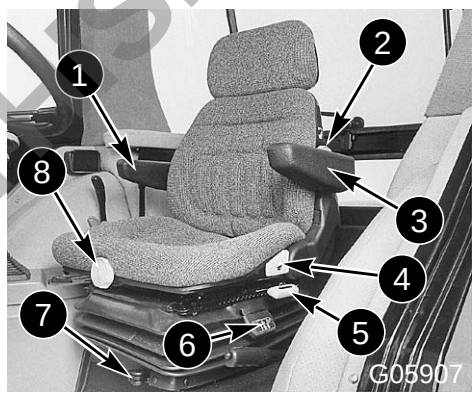


SEAT E

1. RIGHT ARM REST - (Seats D,E,F) - The right arm rest can be tilted up until even with back rest.

2. LUMBAR ADJUSTER - (Seats D,E,F) -Adjust for personal back comfort. Turn the knob clockwise to decrease support. Turn the knob counterclockwise to increase support.

3. LEFT ARM REST - (Seats D,E,F) - The arm rest can be tilted up until even with back rest.



SEAT F

4. BACK REST - (Seats D,E) - To adjust the back rest, turn the knob clockwise to move the back rest rearwards. Turn the knob counterclockwise to move the back rest forwards.

   BACK REST - (Seat F) - To adjust the back rest, lift the control and tilt the back rest to the needed position. Release the control to hold the back rest in the selected position.

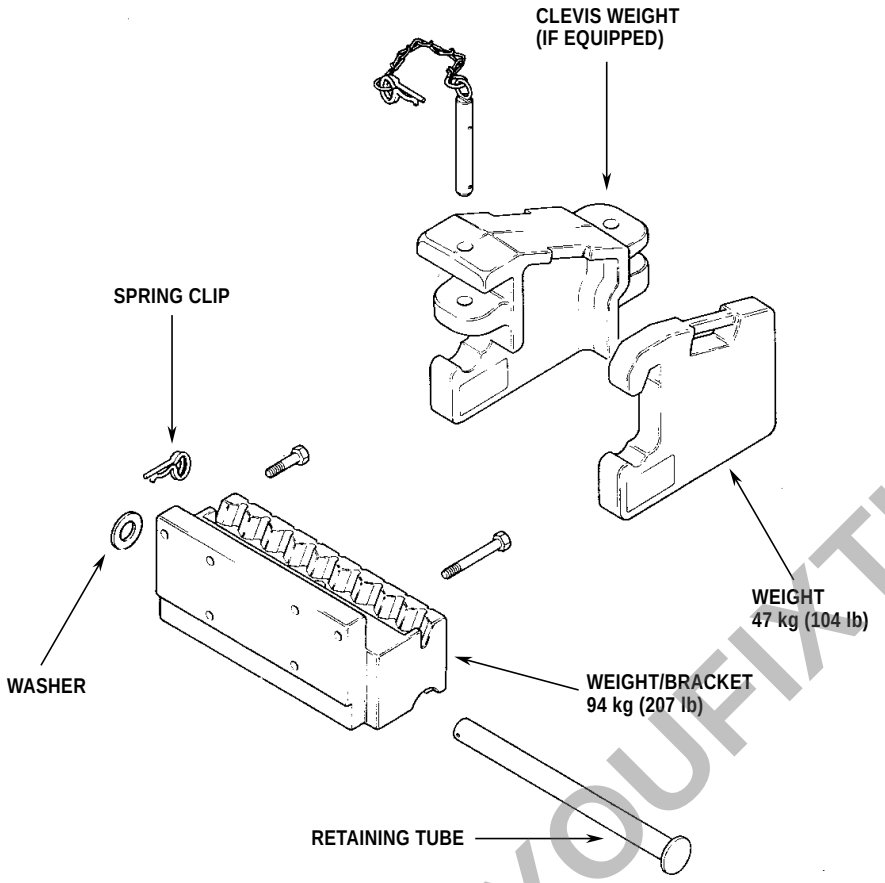
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OM51238

Total Weight Added

Weight/Bracket and 9 Weights ..... 517 kg (1140 lb)

Weight/Bracket and 7Weights ..... 423 kg (933 lb)

Weight/Bracket and 5 Weights ..... 329 kg (725 lb)

Weight/Bracket, 6 Weights and Clevis Weight ..... 458 kg (1010 lb)

Weight/Bracket, 4 Weights and Clevis Weight ..... 363 kg (800 lb)

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Number Plate Lamp

(XL Cab, LP Cab and Platform Tractors)

To replace the bulb:

1. Remove the screw which secures the lens and plastic surround.
2. Push the bulb down, turn and pull out.
3. Push a new bulb straight into the socket, turn and release.
4. Replace lens if damaged, or clean the lens. Install the lens and retaining screws.



(Non-Cab Tractors)

To replace the bulb:

1. Remove the screw which secures the lens and plastic surround.
2. Push the bulb down, turn and pull out.
3. Push a new bulb straight into the socket, turn and release.
4. Replace lens if damaged, or clean the lens. Install the lens and retaining screws.



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LUBRICATION/MAINTENANCE CHART

PAGE NO.	SERVICE POINTS	FREQUENCY IN HOURS				
		GREASE	DRAIN	CHECK	CLEAN	CHANGE
200	Differential Oil (MFD)			200		800
201	Plantetaries Oil (MFD)			200		800
180	Crankcase Breather				200	
179	Engine Oil					200
179	Engine Oil Filter					200
199	Transmission/Hydraulic Oil Filter					200
192	Engine Coolant Filter/Conditioner					400
175	MFD Drive Coupling	800				
202	Front Wheel Bearings (2WD)	800				
228	Valve Clearences			800		
	Coolant Leaks (See Note 1)			800		
	Fuel Leaks (See Note 1)			800		
119	Hose Couplers			800		
229	Electrical Connections			800		
183	Fuel Injectors				800	
204	Air Intake Elements (See Note 2)					800
188	Coolant (If Anti-Freeze is Not Used)					800
184	Fuel Filters		10			800
198	Transmission/Hydraulic Oil					800
188	Coolant (If Anti-Freeze is Used)					2000

NOTE 1: *Check the tractor for oil leaks, rubbing hoses, loose bolts and trash build up. Repair all oil leaks, hoses and tighten loose bolts before field operation.*

NOTE 2: *Clean air elements periodically or as shown by the restriction indicator. Change element annually or when cleaning is not effective. The safety (Secondary) element must be changed annually or after cleaning or changing the main (Primary) element or if the restriction light remains on.*

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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Mechanical Front Drive (MFD)

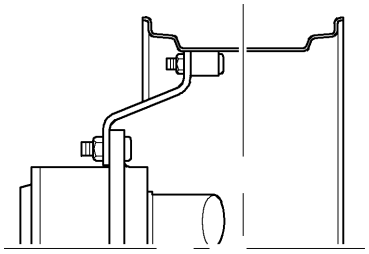
The front wheel tread widths (measured between tire centres) can be adjusted to eight different positions as needed for your operation.

IMPORTANT: *The steering stops on the axle must be installed in the correct position for the tread width and tire size being used. See Steering Stops in this section for the correct position of the steering stops for each tread width and tire size combination.*

The tread width can be adjusted by turning the wheel discs and/or the wheel rims in or out. The wheel disc can also be installed on either side of the mounting lugs on the rim. Install the wheel discs and rims in the position shown below for the wheel tread needed.

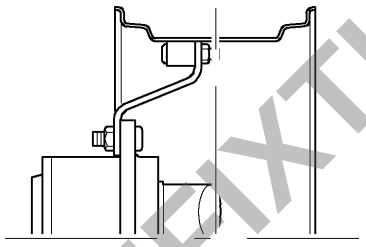
2 Piece Wheels

CENTER OF TRACTOR →



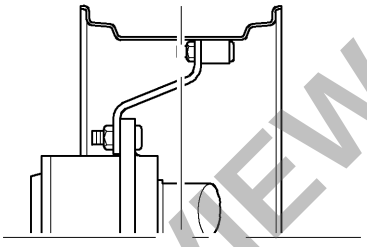
OM1449A

W7 x 24 - 1396 mm (55 in)
W11.2 x 24 - 1315 mm (51.8 in)
RIM OFFSET IN
"With Discs Turned In"



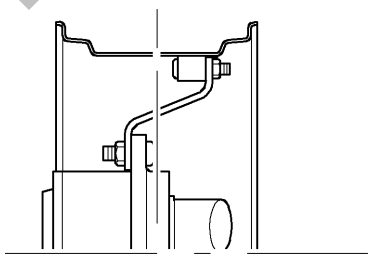
OM1449B

W7 x 24 - 1503 mm (59.2 in)
W11.2 x 24 - 1424 mm (56 in)
RIM OFFSET IN
"With Discs Turned In"



OM1449C

W7 x 24 - 1442 mm (56.8 in)
W11.2 x 24 - 1519 mm (59.8 in)
RIM OFFSET OUT
“With Discs Turned In”



OM1449D

W7 x 24 - 1550 mm (61 in)
W11.2 x 24 - 1627 mm (64.1 in)
RIM OFFSET OUT
“With Discs Turned In”

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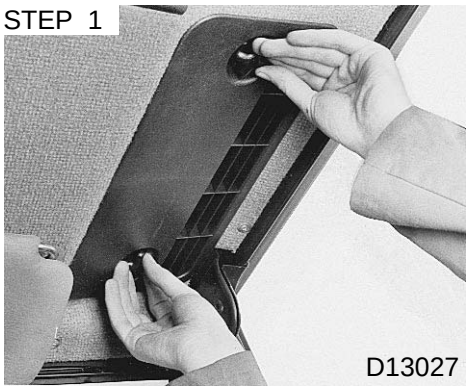
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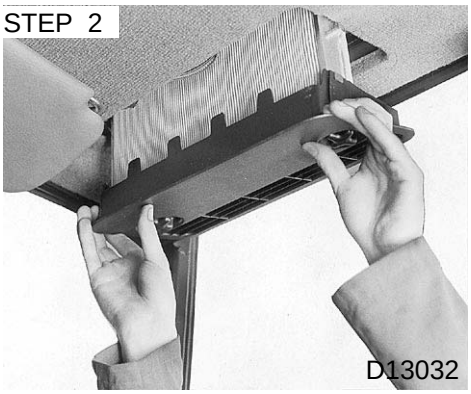
Remove and clean the filters as shown below:

STEP 1



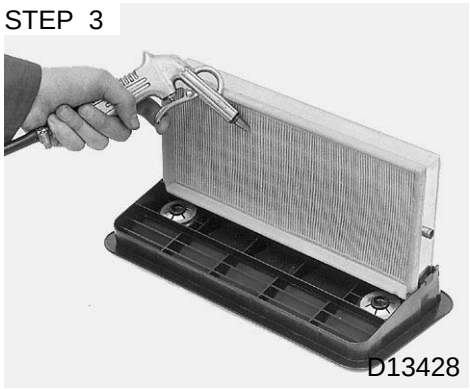
Loosen the two screws for the cab filter housing.

STEP 2



Lower the filter and housing from inside the cab roof.

STEP 3



Remove the filters, clean with compressed air.

IMPORTANT: *The nozzle pressure must be not more than 207 kPa (30 psi). Too much air pressure will cause damage to the air filter. Use an air hose with a safety ON/OFF control nozzle.*

STEP 4

Inspect the filter element for damage to the filter paper or the element seal.

Replace the element with a genuine CASE part if the element is found to be damaged.

NOTE: *Old filters MUST be placed in a sealed container and disposed of in accordance with local regulations. Be responsible for the environment.*

IMPORTANT: *Respiratory protection and protective clothing appropriate to the environment that the filter has been in contact with MUST be used during this procedure.*

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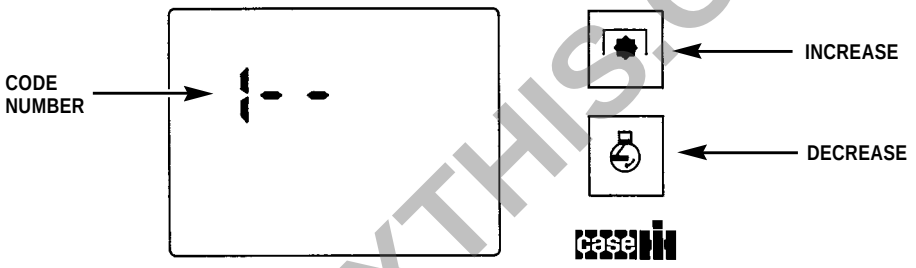
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2. While holding both touch buttons, turn the keyswitch to the ACC position, one position to the left from OFF. The programming mode will now be entered.

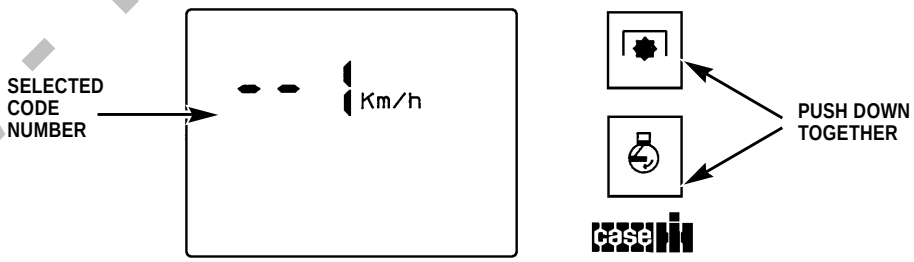
NOTE: *The engine must not be running. If the engine is running, the programming mode will not be entered. Normal operation will continue.*

3. The upper digital display will indicate the code number 1. (Display 1 --). The operator can select the correct programme by entering the correct code number. Press the PTO touch button to increase the code number. Press the Engine rpm touch button to decrease the code number.



OM0808C

4. Once the correct code number has been entered, press and hold both Engine rpm and PTO rpm touch buttons for two or more seconds, the correct code has now been entered. The upper digital display will now show the code number shifted to the right (Display --1). The old programmed value will now be shown in the lower digital display.



OM0808D

5. To exit the programming mode turn the keyswitch to the OFF position.

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For the safe operation of the PTO, follow these safe operating practices.

1. Hold the drawbar in the center location on the drawbar support with the drawbar bolts.

2. The drawbar clevis (if equipped) must be removed or mounted under the drawbar, to prevent possible interference between the clevis and the implement driveline.

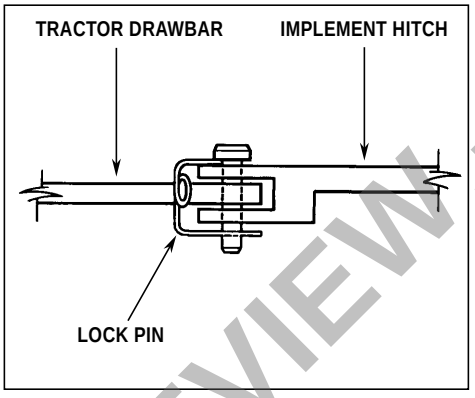
3. Connect the implement hitch to the drawbar with a hardened steel pin. Make sure the pin is securely held in place with a cotter pin or lock pin and does not make contact with the implement driveline.

4. Connect the implement hitch to the tractor drawbar before connecting the implement driveline to the power takeoff.

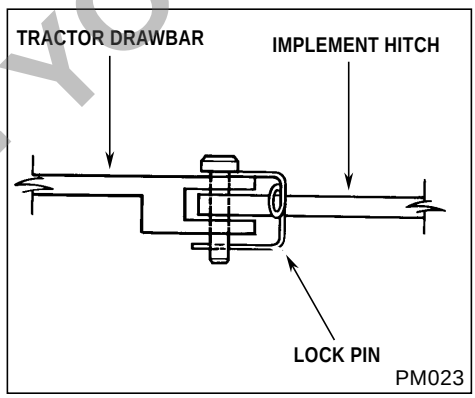
5. Connect the implement driveline to the tractor. Check the driveline for correct length and for free telescopic movement. The correct length is important to prevent the driveline from hitting bottom or from separating in any tractor or implement operating position.

6. When working with the drawbar raise the 3 Point Hitch as high as possible to prevent possible interference between the lower links and the implement.

IMPORTANT: *Follow the implement manufacturers recommendations in adjusting and aligning the implement and the implement driveline with the tractor.*



IMPLEMENT HITCH WITH CLEVIS



TRACTOR DRAWBAR WITH CLEVIS

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