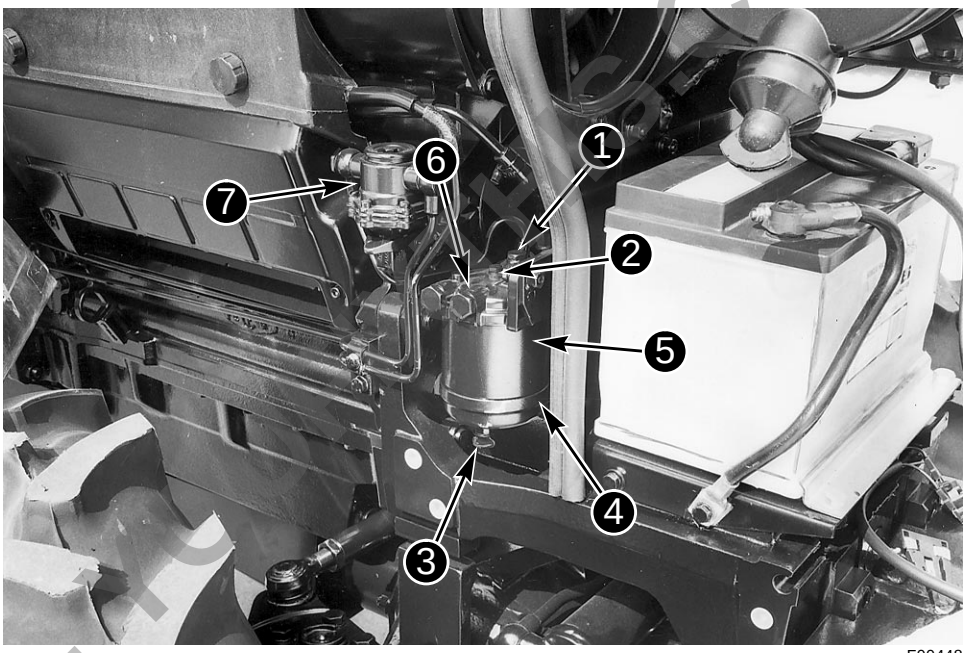
EVERY 300 HOURS

Fuel Filter Replacement

Clean filter head, elements and area around the filter.

Remove the filter element by loosening the screw (2). Fit the new filter, making sure that the two seats at the ends of the elements are in good condition. Bleed the supply circuit.



F00448

FUEL FILTER

1. BLEEDER SCREWS
2. FILTER RETAINING SCREW
3. CUP RETAINING SCREW
4. WATER AND IMPURITY TANK
5. FILTER CARTRIDGE
6. FILTER HOLDER
7. FUEL PUMP

Draining Water From The Filter

Whenever any water is found to have accumulated on the bottom of the glass cup, operate the fuel pump, loosen the bleeder vent screw in the upper casing and wait until the fuels flows out free from bubbles of water.

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Maximum Dynamic Axle Loadings

For Road Operation at 30 km/h

Vineyard Models

2WD Front Axle at 880 mm tread ..... 1380 kg
MFD Front Axle at 952 mm tread ..... 1380 kg
Rear Axle at 730 mm tread ..... 3220 kg

Narrow Models

2WD Front Axle at 1000 mm tread ..... 1380 kg
MFD Front Axle at 1090 mm tread ..... 1380 kg
Rear Axle at 990 mm tread ..... 3220 kg

Maximum Permissible Tractor Weight ..... 4600 kg

Special Torque Values

2WD Tractor, Front Wheel Bolts ..... 175 Nm
2WD Tractor, Front Axle Extension Bolts ..... 150 Nm
MFD Tractor, Front Wheel to Axle Nuts ..... 300 Nm
MFD Tractor, Front Wheel Rim to center Nuts ..... 200 Nm
Rear Wheel, Rim to Center Nuts ..... 230 Nm
Rear Wheel to Axle Nuts ..... 400 Nm

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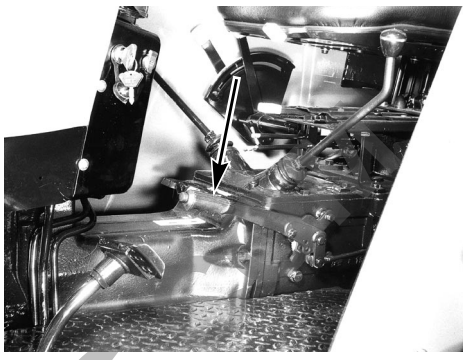
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Starting The Engine

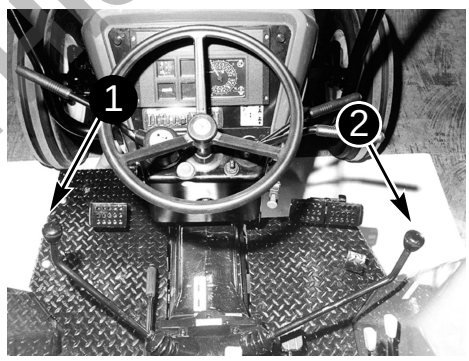
1. Make sure the parking brake is applied.



DP98B230

PARKING BRAKE APPLIED

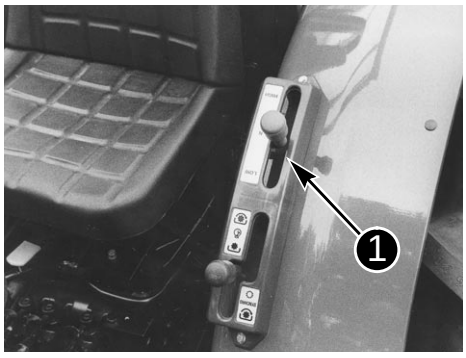
2. Make sure speed and range levers are in neutral.



DP98B224

1. RANGE LEVER
2. SPEED LEVER

3. Make sure the HI/LO lever is in neutral (if fitted).



DP98G041

1. HI/LO LEVER

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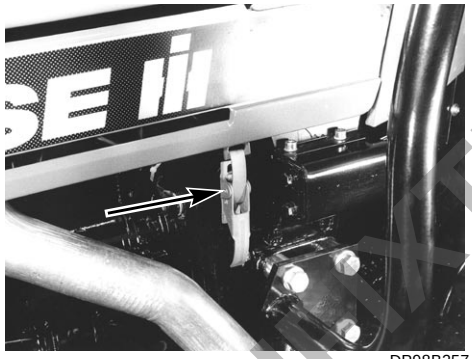
PREVENTIVE MAINTENANCE

Hood

It is necessary to raise the hood to do some maintenance operations in the engine area.

To Raise the Hood

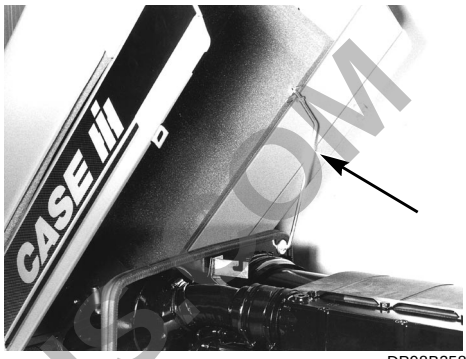
STEP 1



DP98B257

Release the 2 side fasteners.

STEP 2



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Lift the hood and secure by support rod.

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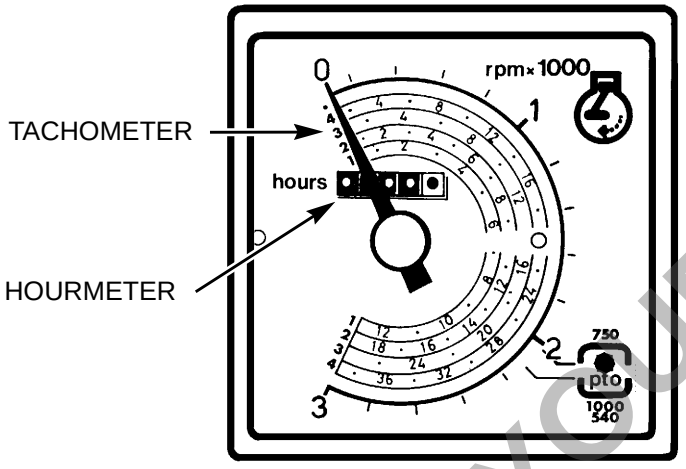
HOURMETER

Service the tractor at the intervals shown in the following pages. Use only high quality lubricants when servicing.

The engine hourmeter shows the actual hours the tractor has worked. The first number to the right displays tenths of an hour and is a black number on a white background.

The remaining numbers are white on a black background.

Use the hourmeter to service the tractor at the correct periods.



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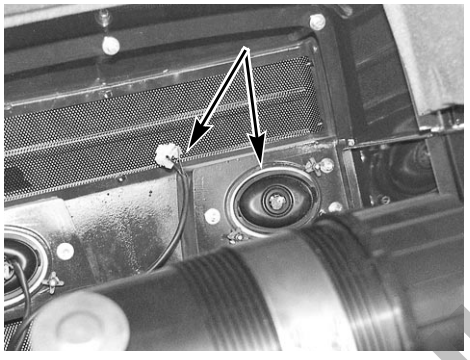
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ELECTRICAL SYSTEM

HEAD LAMPS

STEP 1

Open the hood and Pull the connector off the bulb terminals.



AT85

STEP 2

Remove the rubber cover.

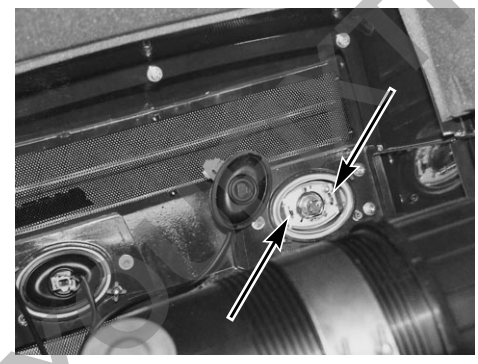
STEP 3

Turn the bulb retaining clip counterclockwise and remove the bulb.

STEP 4

Install a new bulb. Turn the retaining clip clockwise to retain the bulb.

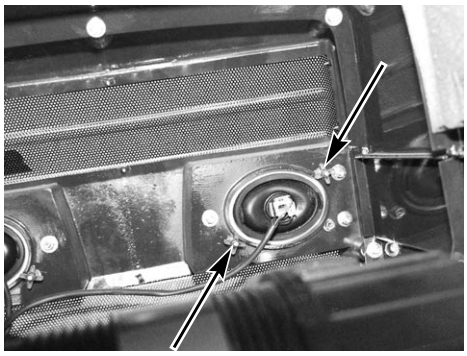
NOTE: *Do not touch the glass of a Halogen bulb with your hands. If the glass is touched, it must be cleaned with suitable cleaner or alcohol.*



AT89

Install the rubber cover and push the connector onto the bulb terminals.

Use the two adjuster nuts to adjust head lamp alignment.



AT90

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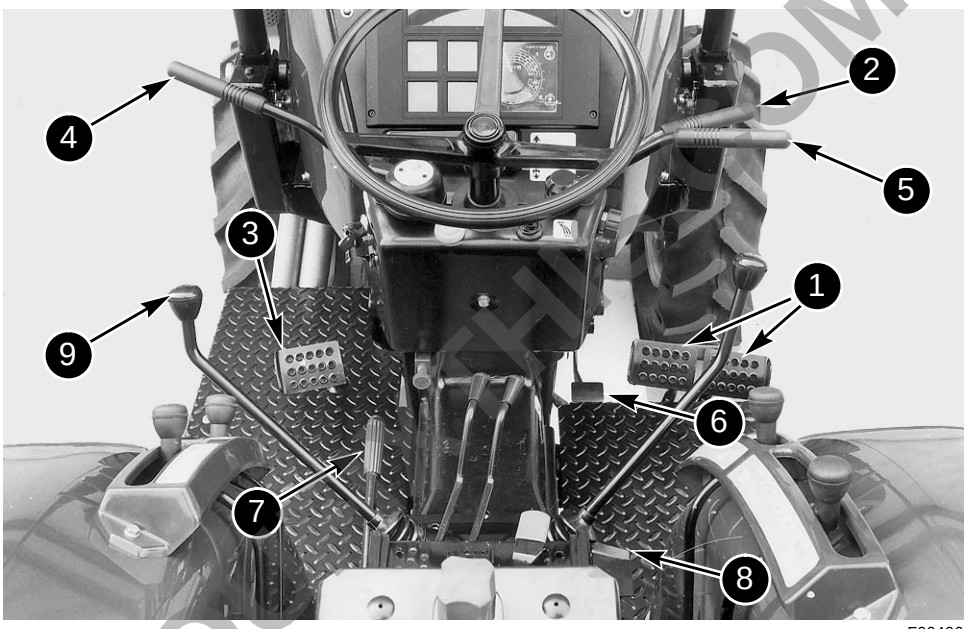
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INSTRUMENTS/CONTROLS

OPERATING CONTROLS

Levers and Pedals



F00406

1. BRAKE PEDALS - The left Pedal stops the Left Rear tractor wheel and the Right pedal stops the Right Rear tractor wheel. For safe operation the pedals must be applied at the same time with the pedal interlock so that both brakes can be applied at the same time. Use the pedals separately only for making sharp Left or Right turns in the field.

CAUTION: *Brake pedals must be locked together for road travel. This will insure uniform brake application and maximum stopping ability.*

WARNING: *Extra weight and bad traction conditions such as mud or ice increase you stopping your distance. Remember that liquid in the tires, weight on the machine or wheels, tanks filled with fertilizer, herbicides or insecticides all these add weight and increase the distance you need in which to stop.*

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OPERATING INSTRUCTIONS

Run-In Procedure

During the first 50 working hours you must follow the instructions below:

- it is not necessary for the engine to run gently; it can be used immediately at full power (but without overloading) as soon as the working temperature has been reached.

- in cold weather, let the engine run at low idle speed for a few minutes after starting;

- the engine must never be permitted to idle for long periods; reduce the times in which the engine idles or works without load;

- after several hours of continuous operation, let the engine idle for a few minutes before switching off.

Engine Oil

Change the engine oil after the first 50 hours of operation. Remove the oil while the engine is hot. Install new oil of the correct grade as given on the Lubrication Chart. Refer to ENGINE OIL CHANGE in this manual.

Engine Oil Filter

After the first 50 hours of operation, change the engine oil filter. Refer to ENGINE OIL FILTER in this manual.

Transmission/Hydraulic Filter

FILTER IN SUPPLY LINE - Change this filter after the first 50 hours of operation. Refer to TRANSMISSION / HYDRAULIC OIL FILTERS in this manual.

Wheel Nuts and Bolts

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

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Approximate Tractor Speeds

At Maximum Engine Speed of 2350 r/min with 12 + 12 Super Creeper Transmission

RANGE (II I / III)		GEAR (1 3 / 2 4)	REAR TIRE 11.2-24 CIRCUMFERENCE 3236 mm		REAR TIRE 12.4-24 CIRCUMFERENCE 3393 mm		REAR TIRE 13.6-24 CIRCUMFERENCE 3518 mm		REAR TIRE 14.9-24 CIRCUMFERENCE 3707 mm		REAR TIRE 16.9-24 CIRCUMFERENCE 3895 mm	
			Km/h	MPH	Km/h	MPH	Km/h	MPH	Km/h	MPH	Km/h	MPH
FOWARD	I	1	0.40	0.24	0.42	0.26	0.43	0.27	0.45	0.28	0.48	0.30
		2	0.59	0.36	0.62	0.38	0.64	0.39	0.67	0.41	0.71	0.44
		3	0.86	0.53	0.91	0.56	0.94	0.58	0.99	0.61	1.04	0.64
		4	1.21	0.75	1.27	0.78	1.32	0.82	1.39	0.86	1.46	0.90
	1.46	1	1.86	1.15	1.95	1.21	2.03	1.26	2.14	1.32	2.24	1.39
		2	2.76	1.71	2.90	1.80	3.0	1.86	3.16	1.96	3.32	2.06
		3	4.04	2.50	4.24	2.63	4.40	2.73	4.63	2.87	4.87	3.02
		4	5.68	3.52	5.96	3.70	6.18	3.83	6.51	4.04	6.84	4.24
	III	1	8.09	5.02	8.48	5.26	8.79	5.46	9.27	5.75	9.74	6.04
		2	11.98	7.44	12.56	7.80	13.03	8.09	13.73	8.52	14.42	8.95
		3	17.53	10.88	18.38	11.41	19.06	11.83	20.08	12.47	21.10	13.10
		4	24.64	15.30	25.85	16.05	26.79	16.63	28.22	17.52	29.66	18.42
REVERSE	I	1	0.33	0.20	0.35	0.21	0.36	0.22	0.38	0.23	0.40	0.25
		2	0.49	0.30	0.52	0.32	0.54	0.33	0.57	0.35	0.59	0.36
		3	0.72	0.45	0.76	0.47	0.79	0.49	0.83	0.51	0.87	0.54
		4	1.02	0.63	1.07	0.66	1.11	0.69	1.17	0.72	1.23	0.76
	II	1	1.56	0.96	1.64	1.02	1.70	1.05	1.79	1.11	1.88	1.16
		2	2.32	1.44	2.43	1.51	2.52	1.56	2.65	1.65	2.79	1.73
		3	3.39	2.10	3.55	2.20	3.69	2.29	3.88	2.41	4.08	2.53
		4	4.77	2.96	5.0	3.10	5.18	3.21	5.46	3.39	5.74	3.56
	III	1	6.78	4.21	7.11	4.4	7.38	4.58	7.77	4.82	8.17	5.07
		2	10.05	6.24	10.54	6.54	10.92	6.78	11.51	7.14	12.10	7.51
		3	14.70	9.13	15.42	9.57	15.99	9.93	16.84	10.45	17.70	10.99
		4	20.66	10.83	21.67	13.45	22.46	13.95	23.67	14.70	24.87	15.44

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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.

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⚠ ***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 adherence to the conditions of operation, service and repair as specified 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 recognized 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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