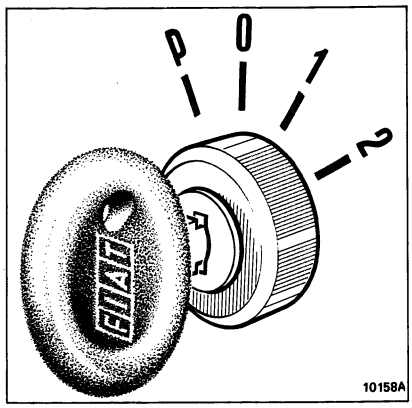


Starter switch

0. Off (key removable). Engine stopping. Automatic activation of injection pump fuel shut-off device.

1. On. Engine starting energized. Warning indicators and instruments activated. Various users energized.

2. Starting (when released, key springs back to position ***1***).

P. Parking lights, instrument lights (key removable).

⚠ *CAUTION* ⚠

— *Never start or run tractor in a closed area.*

— *Ensure all controls are in neutral position before starting.*

— *Operate controls from operator's seat only.*

— *Shut off engine before carrying out any service or maintenance operations.*

— *Use steps and grab handles for getting on and off the tractor.*

— *Ensure that guards are correctly mounted.*

— *When roading, always signal when stopping, turning or reducing speed.*

— *Use appropriate slow moving vehicle signs when operating on public roads.*

ENGINE STARTING

a. After extended inactivity or when starting in cold weather, prime fuel pump through about 20 strokes and run engine for 5 to 10 seconds with injection pump on "stop" position.

b. Declutch to de-activate starter inhibitor switch.

c. Move throttle lever to about mid-stroke.

d. Turn key to position ***2*** and release as soon as engine fires.

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CONTROLS AND INSTRUMENTS

1. ***Instrument panel*** (see page 16).

2. ***Hand throttle.***

3. ***Brake pedals.***

4. ***PTO clutch lever*** (see page 24).

5. ***Gear lever*** (see page 23).

6. ***Accelerator pedal.***

7. ***Hydraulic lift controls*** (see page 31).

8. ***Parking brake lever*** (with release button):
   — up = brake on;
   — down = brake off.

ATTENTION

Depress lever button to release parking brake lever.

9. ***Lift-O-Matic*** (see page 31).

10. ***Seat suspension ride adjustment*** (see page 38).

11. ***Remote control valve levers*** (see page 41).

12. ***PTO lever*** (see page 24).

13. ***Reverser lever*** or ***creeper lever.***

14. ***Range change control lever*** (see page 23).

15. ***Master clutch pedal.***

16. ***Steering wheel height adjusting knob.***

17. ***Control board*** (see page 19).

18. ***Differential lock pedal*** (see page 29).

19. ***DT engagement handle or lever.***

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MAINTENANCE

Maintenance schedule (50-86 V, 55-86 V-O, 60-86 V-O and 70-86 V

(Numbers correspond to those of operations listed in the "Servicing Chart" attached).
V = Vineyard version **O** = Orchard version

FLEXIBLE SERVICING

Fluid level checks

1. Engine sump.

5. Power steering fluid reservoir.

6. Battery.

9. Radiator.

Cleaning

2. Cleaner dust ejector valve.

8. Transmission vent.

11. Dry air cleaner outer element.

Adjustments

3. Master clutch. Pedal free travel = 25 mm (1 in).

4. Brakes. Pedal free travel = 55 to 60 mm (2.16 to 2.36 in).

7. Parking brake control.

12. Fan belt. Deflection: 10 to 11 mm (.39 - .43 in) under an applied load of 78 to 98 N (8 to 10 kg or 18 to 22 lb).

13. Master clutch. Outer release pin free travel = 4.5 mm (.18 in).

AFTER EVERY 50 HOURS WORI

Greasing

14-20. Lift and 3-point linkage. Thre nipples.

15-16. Steering and axle pivot. Tw nipples.

17. DT steering (55-86O, 60-86 and 70-86V). One nipple.

18-21. Front axle pivot. One nippl

22. Front axle transmission sha One nipple.

Cleaning

19. Fuel filter.

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TRACTOR SPEED IN km/h, WITH PTO SPEED OF:
A = 540 rpm ***B*** = 750 rpm
Note - For conversion in mph: 1 km = 0.6214 miles. (Ex.: 1.1 KPH × 0.6214 = 0.68 MPH)
V = Vineyard version **O** = Orchard version

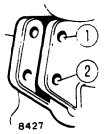
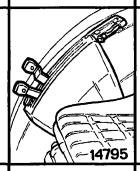
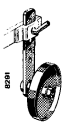
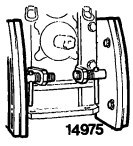
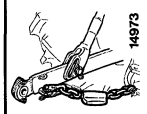
Gear	REAR TIRES															
	50-86 V 55-86 V 60-86 V						**55-86 O 60-86 O**				**55-86 O 60-86 O 70-86 V**				**70-86 V**	
	9.5-28		11.2-28		12.4-24		13.6-24		11.2-24		14.5-20		12.4-28		380.70-24	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
1st Low	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.2	1.1	1.1	1.1	1.1	1.3	1.3	1.2	1.2
2nd "	1.9	2.0	1.9	2.0	1.9	2.0	1.9	2.0	1.8	1.9	1.8	1.9	2.1	2.1	2.0	2.0
3rd "	2.4	2.5	2.4	2.5	2.3	2.4	2.4	2.5	2.2	2.3	2.2	2.4	2.5	2.7	2.4	2.5
4th "	3.7	3.9	3.9	4.1	3.7	3.9	3.8	4.0	3.5	3.7	3.6	3.8	4.0	4.3	3.8	4.0
1st Normal	3.0	3.2	3.1	3.3	3.0	3.2	3.1	3.3	2.8	3.0	2.9	3.1	3.2	3.4	3.1	3.3
2nd "	4.8	5.0	4.9	5.2	4.7	4.9	4.8	5.1	4.5	4.7	4.6	4.8	5.2	5.5	4.9	5.2
3rd "	6.1	6.4	6.3	6.6	6.0	6.3	6.3	6.6	5.7	6.0	5.8	6.1	6.6	7.0	6.2	6.6
4th "	9.7	10.2	9.9	10.5	9.5	10.0	9.9	10.4	9.1	9.6	9.3	9.8	10.5	11.1	9.9	10.4
1st High	7.7	8.9	7.9	8.4	7.6	8.0	7.8	8.3	7.2	7.6	7.3	7.8	8.3	8.7	7.9	8.3
2nd "	12.1	12.8	12.6	13.3	12.1	12.7	12.5	13.2	11.4	12.1	11.6	12.4	13.1	14.0	12.4	13.2
3rd "	15.4	16.3	16.0	16.9	15.3	16.2	15.8	16.7	14.6	15.4	14.9	15.7	16.8	17.8	15.9	16.8
4th "	24.6	25.9	25.5	27.0	24.4	25.8	25.3	26.7	23.2	24.6	23.7	25.0	26.7	28.3	25.3	26.8
1st Reverse	3.2	3.3	3.3	3.4	3.1	3.3	3.3	3.4	3.0	3.2	3.1	3.3	3.5	3.6	3.3	3.4
2nd "	5.0	5.3	5.2	5.5	5.0	5.3	5.0	5.5	4.8	5.0	4.9	5.1	5.5	5.8	5.2	5.5
3rd "	6.4	6.8	6.6	7.0	6.3	6.7	6.3	7.0	6.1	6.4	6.2	6.5	7.0	7.3	6.6	7.0
4th "	10.2	10.8	10.6	11.2	10.1	10.7	10.1	11.1	9.7	10.2	9.9	10.4	11.2	11.8	10.6	11.2

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Guide to lift operation

The following information is for guidance only, as working technique and implement and ground characteristics may necessitate solutions the best guide to which is practical experience.

MACHINE OR IMPLEMENT	Top link mounting holes (*)	Operation	Gauge wheels	Check blocks (•)	Check chains (1)	REMARKS
						
Moldboard Plows: — single-, double-, and treble-furrow (one-way or two-way) — four- and five-furrow	1-2	Draft or combined	No	Not locked	Not taut	Adjust check links so that max. lateral displacement of implements is 50-60 mm (or 1,97 to 3.36 in). When implement is up lateral displacement should not be excessive.
Disc Plows: — two-disc — three-disc — four-disc ***Harrows*** blade, tooth or disc ***Sub-soilers*** ***Ditchers***	1-2	Draft control	No	Not locked	Not taut	
Cultivators (all types)	1-2	Draft control	Yes/No	Not locked	Not taut	
Weeders, Ridgers, etc...	1-2	Float Draft control	Yes No	Locked Not locked	Taut Not taut	For wheeled implements, move lever to float.
Carried Seed Drills and Manure Spreaders	1-2	Position control	Yes/No	Locked	Taut	
Grader Blades, Augers, Scraper, Manure Forks, Rear Mounted Transport Boxes, etc.... ***Mower bars (side and rear mounted), Hay Rakes and Tedders, etc.***	1-2	Position control	No	Locked	Taut	Remote control valves needed.
Front Loaders, Dump Trailers, Hydraulically Controlled Towed Implements	—	—	—	—	—	
Tractor driven without implements ***To facilitate implement attachment***	— —	— —	— —	Locked Not locked	Taut Not taut	

(*) Mounting hole selection depends on height of implement - (•) Models 50-86V, 55-86V and 60-86V (optional for 55-86O and 70-86V) - (1) Models 55-86O, 60-86O and 70-86V.

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STARTING IN COLD WEATHER

Thermostarter tractors

Start as follows:

— Carry out operations ***a, b*** and ***c***, page 20.

— Turn starter switch to position ***1***.

— Press thermostarter button ***B*** (see page 18) and hold for 10 to 15 seconds.

— Turn starter switch to position ***2*** holding button depressed for a further 25 seconds.

— After firing, release both starter switch and button. If after two or three attempts engine fails to start and black smoke is exhausted, try again with the thermostarter off.

ATTENTION

When engine is started after prolonged stopovers DO NOT operate hydraulic system immediately. It is in fact essential to permit adequate lubrication of all moving parts before full load operation.

ATTENTION

To extend the life of tyres and of power train components, the tractor should not be used continuously at full power when working at speed below 7 KPH, particularly if the machine is heavily ballasted.
Moreover, the tractor should not be ballasted more than specified for towing very heavy loads at low speeds. To this end, follow the instructions provided under the sections on ballasting and drawbar.

ATTENTION

When the outdoor temperature is low or the engine is cold, before starting cover the radiator with suitable material to allow the engine coolant to reach operating temperature quickly.

Then remove the covering. Also consider the following:

— *Never turn the engine over when starting for more than 15 seconds; however if the engine seems about to start the attempt may be continued for a maximum of 30 seconds;*

— *If the attempt fails, turn the key on 0 and repeat the procedure - wait at least one minute between one attempt and the next;*

— *No more than six attempts should be made to avoid running down the battery.*

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Control board

A. Power point (single pole).

B. Thermostarter or Start-pilot control (see page 21).

C. Starter switch (see page 20).

D. Hazard warning control and indicator. Always on even with key removed from starter switch ***C***. Press to activate and press again to switch off.

E. Fuse box (see page 57).

F. Lighting switch and horn button (switch ***C*** to pos. ***1***, page 20). To obtain the different control functions, move lever and turn knob to bring index into alignment with their respective symbols as shown below:



Press in: horn.
Functional with knob and lever in all positions.



It is possible to activate turn signals and hi-beam flashing.



Parking lights and possibility to activate turn signals and hi-beam flashing.



Low-beam headlights and possibility to activate turn signals and hi-beam flashing.



Hi-beam headlights, permanent: with knob in low-beam lights position bring lever down on position ***3***. It is possible to activate turn signals.



Turn signals:
— ***1***, forward = right turn;
— ***2***, back = left turn.



Hi-beam lights flashing: push lever upwards, position ***4***.

G. Steering wheel height adjustment knob.

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AFTER EVERY 200 HOURS WORK

Cleaning

25. Fuel pump filter.

Fluid change

23. Engine oil sump.

Filter replacement

24. Fuel filter.

AFTER EVERY 400 HOURS WORK

Fluid level checks

26. Front axle case (50-86DTV, 55-86DTV and 60-86DTV).

30. Transmission and lift.

33. Front axle case (55-86DTO, 60-86DTO, 70-86DTV).

35. Front axle final drives (55-86DTO, 60-86DTO and 70-86DTV).

Filter replacement

28. Engine oil filter.

29. Lift oil filter.

31. Dry air cleaner (inside cartridge).

Greasing

27. Front DT axle pivots (50-86V, 55-86V and 60-86V).

36. Front DT axle pivots (55-86F, 60-86O and 70-86O).

37. Front wheels (2-wheel drive models).

Cleaning

32. Fuel tank.

34. Power steering filter.

AFTER EVERY 800 HOURS WORK

Filter replacement

38. Dry air cleaner (inside and outside elements).

Adjustments

39. Engine valves cold clearance:

— intake ..... 30 mm (.012 in)
— exhaust ..... 30 mm (.012 in)

40. Fuel injectors. Release pressure: 230 to 238 bar (235 to 243 kg/cm² or 3336 to 3452 psi BOSCH pumpe) or 260 to 268 bar (265 to 273 kg/cm² or 3766 to 3880 psi CAV pumpe).

Lube change

41. Power steering reservoir.

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