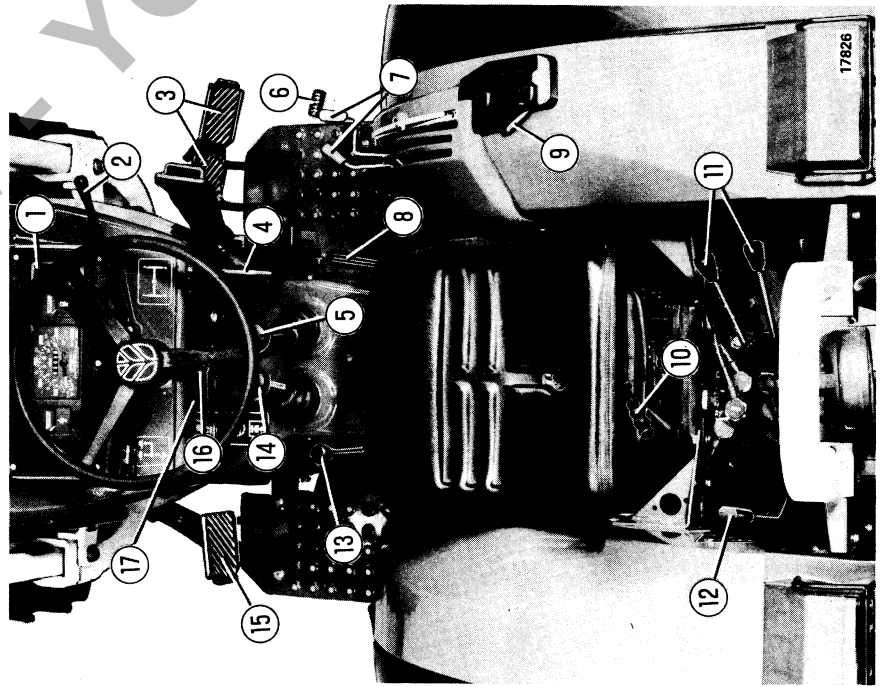
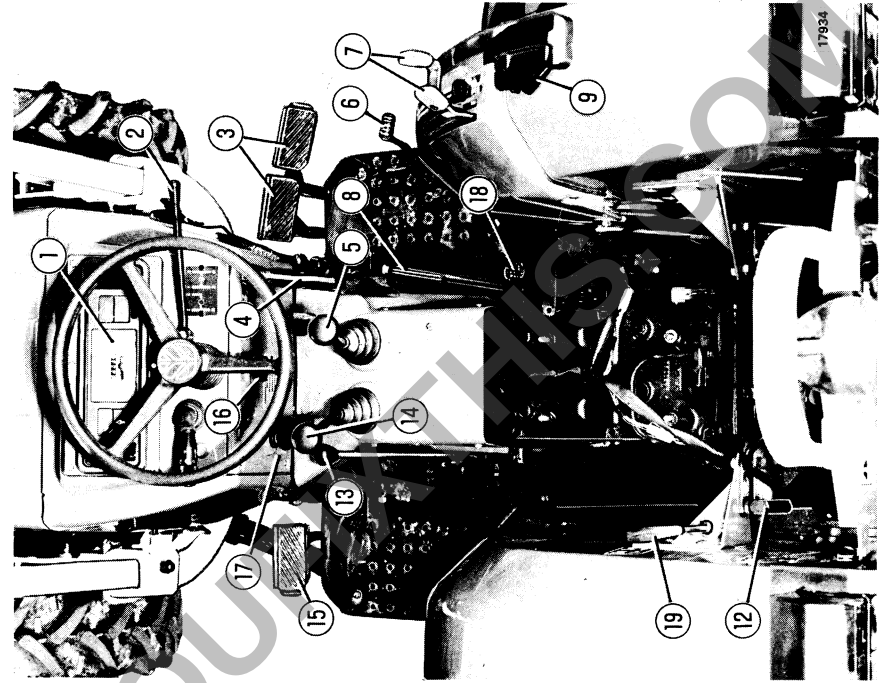


**Models 45-76 vineyard and 55-76 vineyard**



**Model 55-76 orchard**



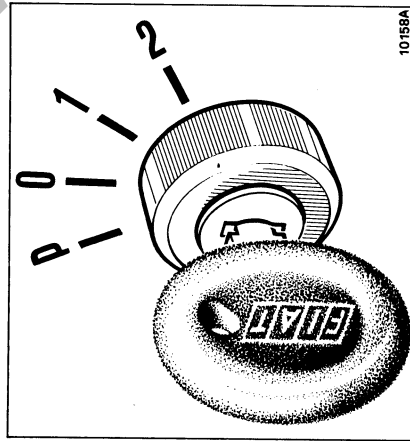
# OPERATION



## ENGINE STARTING

- 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.

- a. After extended inactivity or when starting in cold weather, prime fuel pump through 20 strokes and run engine for 5 to 10 seconds with injection pump with fuel shut-off.
- b. Declutch to de-activate starter inhibitor switch.
- c. Move throttle lever to mid-stroke.
- d. Turn key to position **2** and release as soon as engine fires.



### 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).

# MAINTENANCE

## Maintenance schedule (45-76 vineyard, 55-76 vineyard and 55-76 orchard)

(Numbers correspond to those of operations listed in the "Servicing Chart" attached)

### ◇ ADJUSTMENTS

3. Master clutch. Pedal free travel 25 mm (1 in).
7. Brakes. Pedal free travel 40 mm (1.6 in).
4. Parking brake control.
12. Fan belt. Deflection: 10 to 11 mm (0.39 - 0.43 in) or ½ in, applying a 78 to 98 N (8 to 10 kg or 18 to 22 lb) load.
13. Master clutch. Outer release lever pin free travel 4.5 mm (0.18 in).
39. Engine valves:  
Warm and cold clearance:  
— for intake 0.25 mm(0.010 in)  
— for exhaust 0.35 mm(0.014 in)
40. Fuel injectors. Release pressure 230 to 238 bar (235 to 243 cm<sup>2</sup>) (3336 to 3452 psi).
46. Starter.

### △ LEVEL CHECKS

1. Engine sump.
5. Power steering fluid reservoir.
6. Battery (see page 50).
9. Radiator.
26. Front wheel drives DT (models 45-76 vineyard, 55-76 vineyard).
30. Transmission and lift.
33. Front wheel drive DT (model 55-76 orchard).
35. Front final drives (DT).
15. Steering and axle pivot (3 off).
16. Steering (1 off).
17. DT steering (1 off).
18. Front axle pivot (DT) (2 off).
20. Lift and 3-point linkage (vineyard model) (3 off).
21. Front axle pivot (DT) (vineyard model).
22. Front axle transmission shaft (vineyard model).
27. Front axle pivot (DT) (4 off) (vineyard model).
36. Front axle pivot (DT) (4 off) (model 55-76 orchard).
37. Front wheel hubs.

### ○ GREASING POINTS (*grasso*fiat TUTELA G9)

10. Real wheel hubs.
14. Lift and 3-point linkage, model 55-76 vineyard (3 off).



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## Safety Precautions

### THIS SYMBOL IS YOUR SAFETY ALERT SIGN

It signals the presence of a possible danger to the operator health or safety and puts into evidence the precautions to follow in order to work safely. It means:



**WARNING - DANGER YOUR SAFETY IS INVOLVED**



Read and heed all safety instructions carrying the signal words **WARNING** and **DANGER**.

#### GENERAL

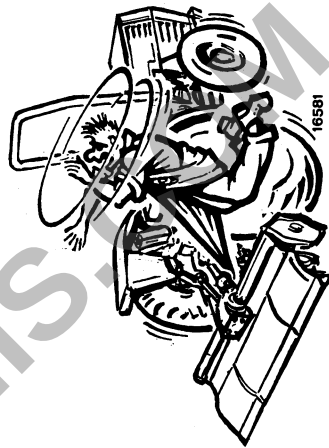
■ Your tractor was designed keeping in mind your safety. However, there is no real substitute for caution and attention in preventing accidents. Once an accident has happened, it is too late to think about what you should have done.

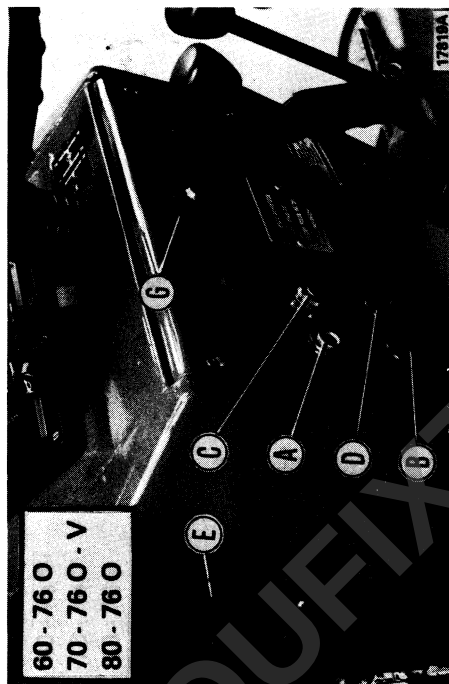
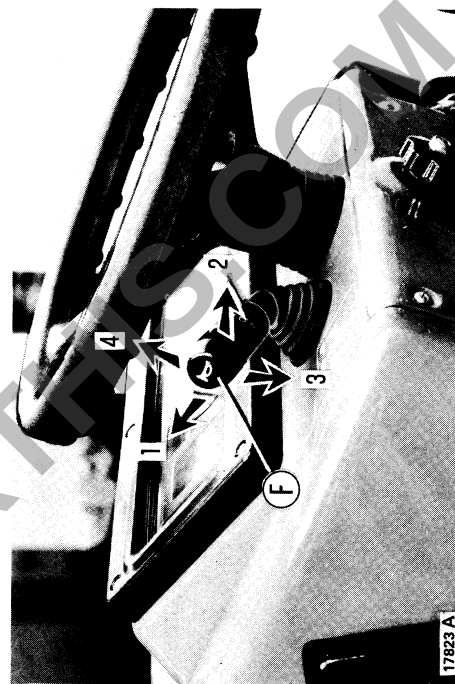
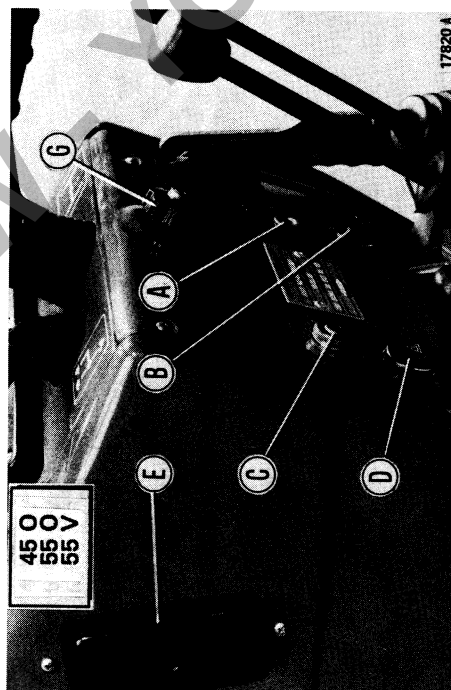
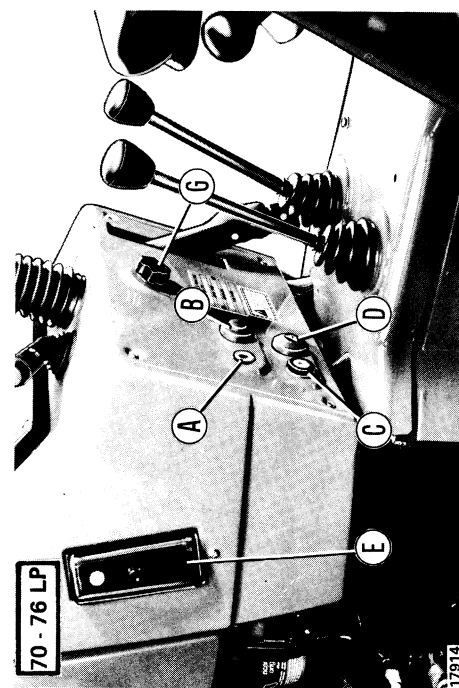
■ Remember that your tractor has been designed exclusively for agricultural use. Any other application must first be authorized by the manufacturers.

■ Tractors should be operated only by responsible persons suitably trained and duly authorized.

■ Keep a first aid kit handy.

■ Do not work with loose garments that could get caught in moving parts. Check that all rotating parts connected to the PTO shaft are properly protected.





### G. Response control knob.

- increase (clockwise)
- decrease (counter-clockwise).

#### NOTE

When driving on road with implements attached, back off knob **G** and keep lever **B** (page 37) up to lock implements in desired position.

### FLOAT

### COMBINED DRAFT AND POSITION CONTROL

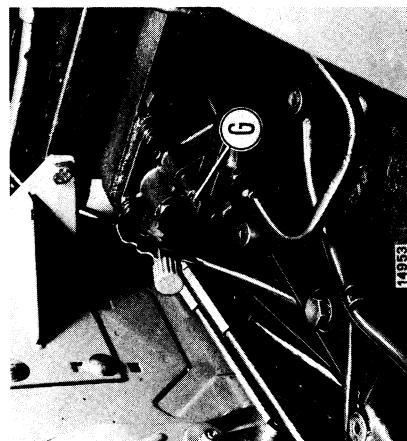
- Move levers **B** and **C** (page 37) fully forward to enable links to swing free along full stroke.
- Sink the implement to the desired depth as described for draft control.

- When the implement stabilizes at the desired depth, progressively move position control lever **B** back until the lift arms tend to rise. Lift operates in draft control but at the same time prevents the implement from sinking excessively in the event of a decrease in soil resistance, which could cause unsuitable soil to be brought to the surface.

- Raise and lower the implement at the end of each pass and the start of the next, operating Lift-O-Matic (page 37) only.

#### NOTE

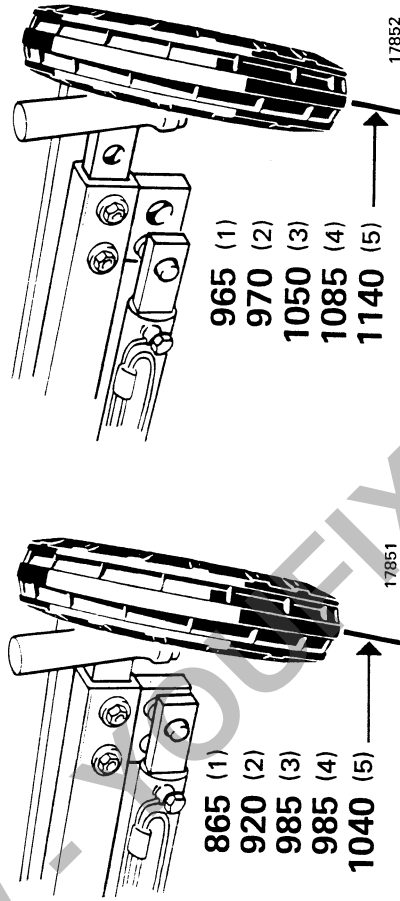
Do not use levers **B** and **C** to raise and lower implements, so as not to change the previously set utilization conditions.



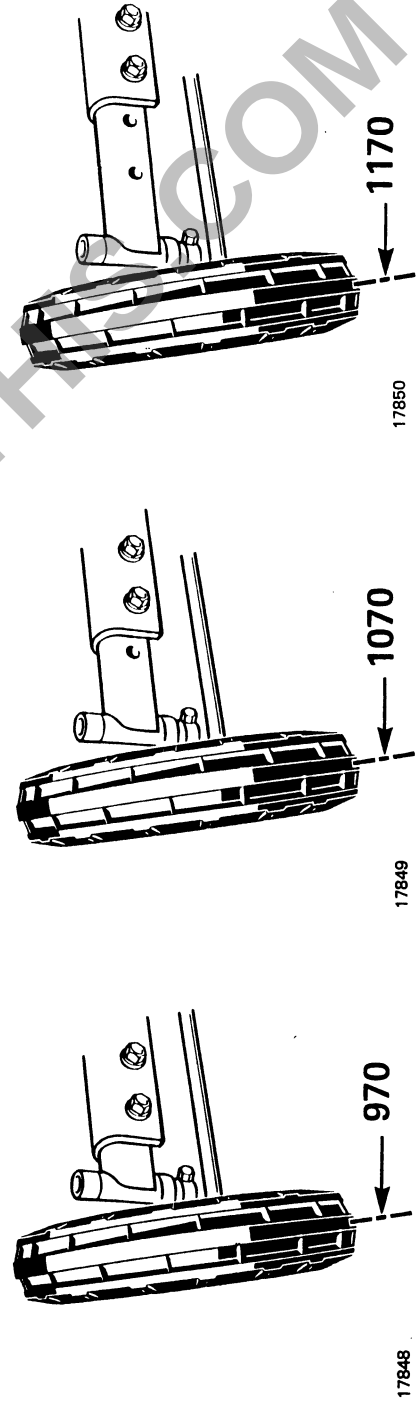
## FRONT TRACKS

**Models 45-76 vineyard, 55-76 vineyard, 55-76 orchard with tires:**

- 1) 4.00-15 models 45-76 vineyard, 55-76 vineyard;
- 2) 7.00-12;
- 3) 5.00-15 models 45-76 vineyard, 55-76 vineyard
- 4) 5.00-15 model 55-76 orchard;
- 5) 5.50-16 and 6.00-16 model 55-76 orchard.

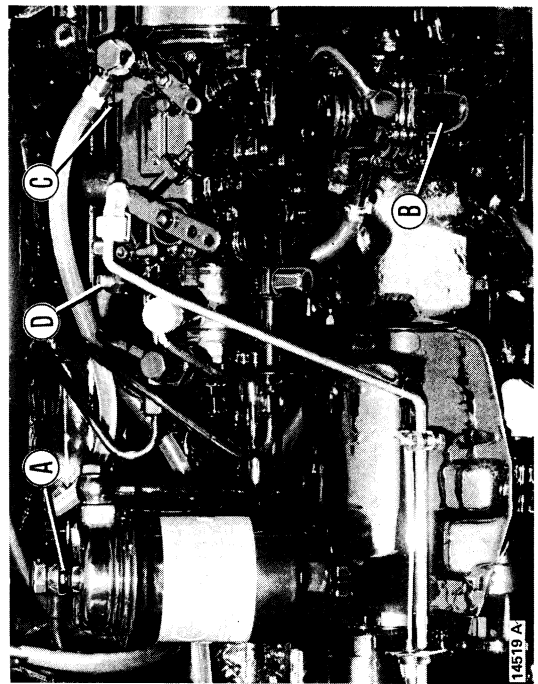


## FRONT TRACKS model 70-76 vineyard with tire 6.00-16



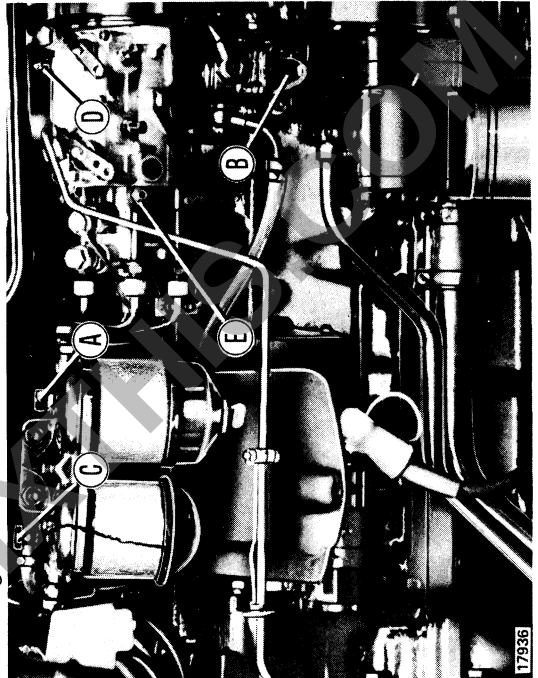
**CAV PUMP ENGINE**  
**Three-cylinder engine**

1. Back off plug **A** through two turns and pump lever **B** until fuel flowing from plug orifice is free from air bubbles.  
Retighten plug.
2. Back off screw **C** and screw inside hexagon **D** through two turns, fully slacken three injector connections and crank engine through starter until fuel flowing from fuel lines is free from air bubbles. Retighten screw inside hexagon **D** and injector connections, but not screw **C**.
3. Start engine and retighten screw **C** when fuel flowing through is free from air bubbles.

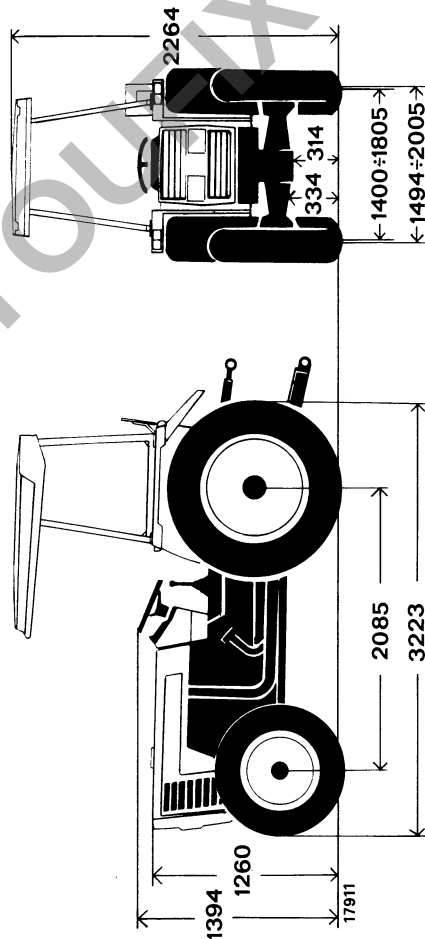


**CAV PUMP ENGINE**  
**Four-cylinder engine**

1. Back off plug **A** through two turns and pump lever **B** until fuel flowing from plug orifice is free from air bubbles.  
Retighten plug.
2. Let fuel flow from **C** plug orifice in the same way.
3. Back off screw **D** and screw inside hexagon **E** through two turns, fully slacken four injector connections and crank engine through starter until fuel flowing from fuel lines is free from air bubbles. Retighten screw inside hexagon **E** and injector connections, but not screw **D**.
4. Start engine and retighten screw **D** when fuel flowing through is free from air bubbles.



**DIMENSIONS (model 70-76 DT LP)**  
(Tire sizes: 11.2-20 at front and 16.9/28 at rear).



**TRACTOR WEIGHT**

Operating weight with tires 11.2-20 and 16.9/28, hydraulic lift with implement attachment, swinging drawbar and ROPS frame  
..... 2740kg (6041 lb)

As above, with front weights (8 plates) and 4 rings on rear wheels  
..... 3175kg (7000 lb)

**FRONT WHEEL DRIVE**

Type: center pivoting.  
Shafts and joints: coaxial, on tractor longitudinal centerline.  
Drive shaft: unjointed (excluded models 45-76 vineyard and 55-76 vineyard).  
Differential: two-pinion.  
Bevel gear ratio:  
— 9/41 (models 45-76 DT vineyard, 55-76 DT vineyard);  
— 10/36 (models 60-76 DT orchard, 70-76 DT orchard, 70-76 DT LP, 80-76 DT orchard);  
— 13/37 (model 55-76 DT orchard).  
Final drives: epicyclic in hubs (excluded models 45-76 vineyard and 55-76 vineyard).  
Transfer: spur gear, transmission mounted.

**Front wheels**

Separate rim and pressed steel disc.  
Track adjustment by changing the relative position of rims, discs and hubs. Total settings:  
— models 45-76 DT vineyard, 55-76 DT vineyard-orchard = 2;  
— models 60-76 DT orchard, 70-76 DT orchard, 80-76 DT orchard; 4;  
— model 70-76 DT LP: = 8.

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