CONTROLS AND INSTRUMENTS

1. **Hand Throttle Lever.**

2. **P.T.O. Clutch Lever** (see page 23).

3. **Accelerator Pedal.**

4. **Brake Pedals.**

5. **Remote Control Valve Lever** (see page 32).

6. **Hydraulic Lift Control Lever** (see page 26).

7. **Differential Lock Pedal.**

8. **Hydraulic Lift Selector Lever** (see page 27).

9. **Suspension Ride Control** (see pages 36 and 37).

10. **Parking Brake Lever** (with release button):
    - Up = On.
    - Down = Off.

NOTE

Depress lever button to release parking brake lever 10.

11. **P.T.O. Control Lever** (see page 22).

12. **Range Change Lever** (see page 19).

13. **Gear Lever** (see page 19).

14. **Master clutch control pedal.**

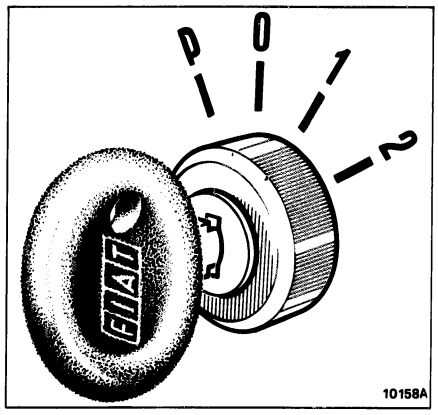
15. **Control Board** (see page 18).

16. **Instrument Panel** (see page 16).

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

OPERATION
Starting and Stopping



Starter Switch

0. Off. (key removable).
Engine shut-off: automatic fuel cut-off.

1. On.

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

P. Parking 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.*

— *Switch 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 driving on the road, 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 climates, prime the fuel pump through twenty strokes and run engine for 5 to 10 seconds with injection pump in stop position.

b. Disengage the gear lever (13, page 15) to deactivate the starter inhibitor switch.

c. Move throttle lever to mid stroke.

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

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

SPEEDS

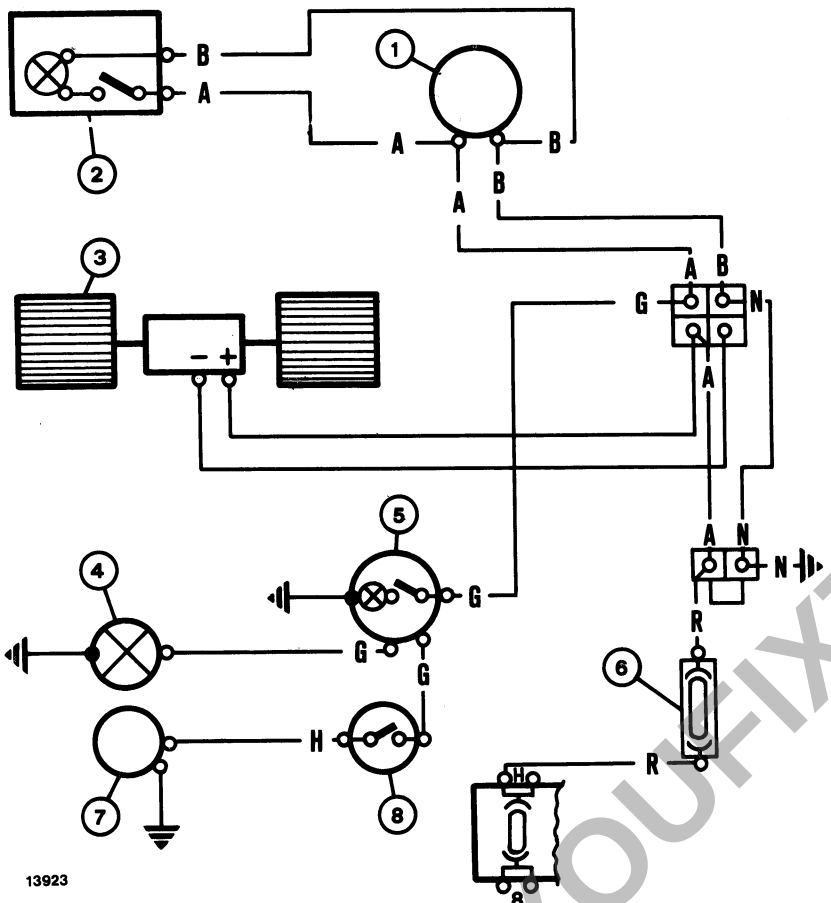
At full load engine rpm.

Gear	Rear tires									
	Model 55-46				Model 65-46					
	13.6/12-28		14.9/13.28 12.4/11-32		14.9/13-30		16.9/14-30		12.4/11-36	
1st Low	2.5	1.5	2.6	1.6	2.4	1.5	2.5	1.5	2.6	1.6
2nd »	3.7	2.3	3.9	2.4	3.6	2.3	3.8	2.4	3.8	2.4
3rd »	5.2	3.2	5.7	3.5	5.3	3.3	5.6	3.5	5.6	3.5
4th »	7.0	4.3	7.4	4.6	6.9	4.3	7.2	4.5	7.3	4.5
1st High	8.9	5.5	9.3	5.8	8.7	5.4	9.1	5.6	9.2	5.7
2nd »	13.4	8.3	14.0	8.7	13.2	8.2	13.6	8.4	13.6	8.4
3rd »	19.5	12.1	20.5	12.7	19.3	12.0	20.1	12.5	20.3	12.6
4th »	25.2	15.6	26.5	16.5	24.9	15.5	26.0	16.2	26.2	16.3
1nd Rev.	3.5	2.2	3.7	2.3	3.5	2.2	3.6	2.2	3.7	2.3
2rd "	12.7	7.9	13.4	8.3	12.6	7.8	13.1	8.1	13.2	8.2

Engine	55-46	65-46
FIAT code		
— BOSCH pump	8035.06.306	8045.06.320
— CAV pump	8035.06.206	8045.06.220
Type: Diesel, 4-stroke direct injection	—	—
Number of cylinders	3	4
Bore and stroke	100x115 mm (3.937x4.527 in)	100x115 mm (3.937x4.527 in)
Displacement cc	2710	3613
Compression ratio	17 to 1	17 to 1
Power output DGM/DIN kW	40.4	47.8
Power output DGM/DIN HP	55	65
Full load speed rpm	2500	2500
Full torque speed rpm	1500	1500
Flyweight balancer	NO	YES

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com



WIRING DIAGRAM - Cab version

Differences from diagram on page 51.

1. Windshield wiper motor (single speed).
2. Cab interior light.
3. Fan-heater unit
4. Floodlight
5. Floodlight switch
6. **25A** fuse for windshield wiper, windshield washer, fan, cab light.
7. Washer pump.
8. Windshield washer switch.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

MAINTENANCE

55-46/65-46 Servicing Schedule

Operation numbers are identical with those given in Servicing Chart

FLEXIBLE MAINTENANCE

1. Oil sump.
2. Air cleaner exhaust valve.
3. Master clutch. Pedal free travel =25 mm (1 in).
4. Fan belt. Yield 10 to 11 mm or 0.39 to 0.44 in under 80 to 110 N (8 to 11 kg, 18 to 24 lb).
5. Power steering reservoir.
6. Battery (see page 48).
7. P.T.O. clutch - External lever pin travel 4,5 mm (0.176 in).
8. Brakes. Pedal free travel 50 mm or 1.97 in.
9. Oil bath air cleaner.
10. Radiator.
11. Cab.
    - Cab air filter.
    - Window washer reservoir.
12. Dry air cleaner outer cartridge.
13. Transmission breather.
14. Parking Brake.
15. Fuel sedimenter.

EVERY 50 HOURS

16. Lift and implement attachment (6 lube points).
17. Steering and axle articulation (4 lube points). (3 on power steering tractors).
18. Power steering (1 lube points).
19. Steering (DT) (2 lube points).
20. Fuel filter condensate drain (model 55-46).
21. First fuel filter condensate drain (model 65-46).
22. Front axle pivot (DT) (2 lube points).
23. Brake pedal shaft.
24 Remote control valve lever.

EVERY 200 HOURS

25. Oil sump.
26. Oil bath cleaner lower element.
27. First fuel filter (model 55-46).
28. First fuel filter (model 65-46).
29. Fuel pump filter

EVERY 400 HOURS

30. Engine oil filter.
31. Oil bath air cleaner. Clean all parts.
32. Lift oil filter.
33. Dry air cleaner inner cartridge.
34. Front final drive oil (DT version).

PREVIEW - YOUFIXTHIS.COM

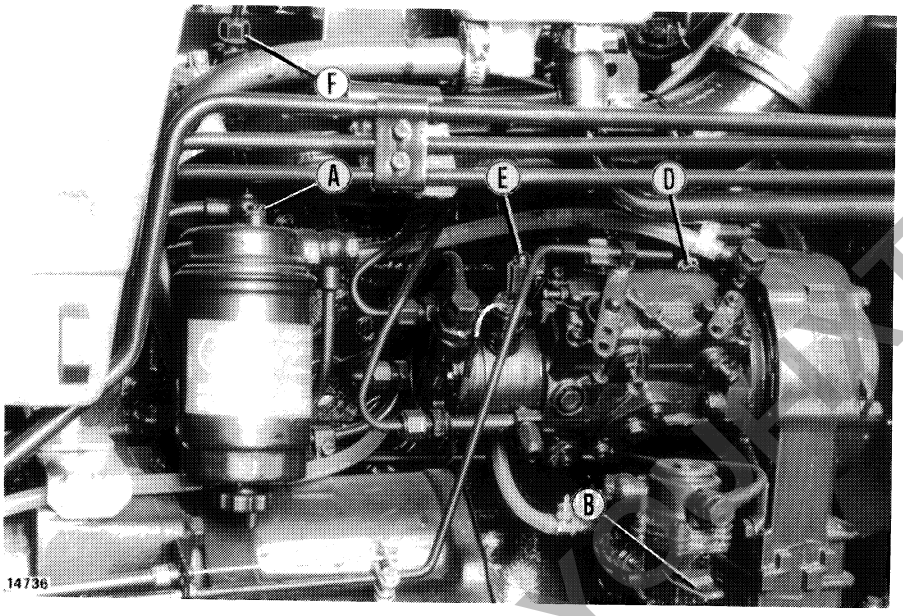
Download full manual at youfixthis.com

Fuel System Bleeding (model 55-46)

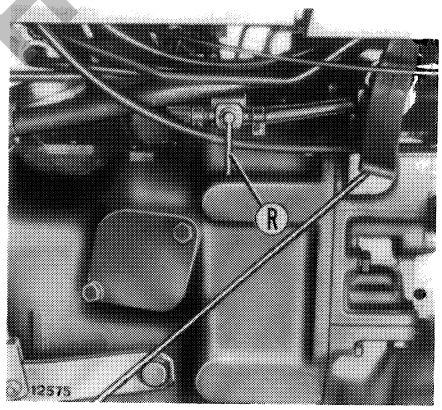
Air may enter fuel lines after tractor has been out of commission for some time, during filter removal and line disconnection, or if fuel tank is allowed to become empty. Air in fuel system makes for difficult engine starting and should be eliminated with a full tank and cock **R** open.

CAV PUMP

1. Back off plug **A** through two turns and pump lever **B** until fuel coming out of plug orifice is free from air bubbles. Retighten plug.



2. Back off screw **D** and the inner screw of **E** through two turns, fully slacken three connections **F** and crank engine through starter until fuel coming out of fuel lines is free from air bubbles. Retighten connections **F**, and the inner screw of **E** but not screw **D**.
3. Start engine and retighten screw **D** when fuel coming out is free from air bubbles.



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

Instrument Panel



Battery Charge Indicator (red). Should go off upon starting the engine.



Low Oil Pressure Indicator (red). Should go off soon after starting the engine.
If the light fails to extinguish itself stop the engine and trace the fault. When the engine is idling warm, the light may come on although this is not evidence of malfunction.

NOTE

During running, keep an eye on the warning lights and instruments. In case of abnormal operation stop the tractor without delay and remedy as necessary.



Dry Air Cleaner Condition Indicator (red).



Parking Brake Flasher (red).



Spare.



Engine Water Temperature Gauge.

— Green = Normal.
— White = Low.
— Red = High.
In case of overheating, return the engine to idle (do not stop) and if the trouble persists, inspect the cooling system.

Tractor Meter (centre instrument).
Techometer, hourmeter and 5-digit totalizer. Black background digits indicate working hours and red background digit (last to right) 10ths of an hour.
Green sector indicates rpm for standard PTO speed (540 rpm).

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

NOTE

Prior to starting in cold weather cover radiator to warm up coolant quickly. Subsequently, remove covering.

Also note the following points:

— Do not attempt repeated engine starts for more than 15 seconds unless the engine shows a tendency to start, in which case attempts may be protracted to 30 seconds;

— Wait at least one minute between attempts;

– To preserve battery charge, do not make more than six attempts.

STARTING THE ENGINE IN COLD CLIMATES

Thermostarter Operation

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

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

— Depress button **D** (page 18) and hold for 10 to 15 seconds.

— Turn starter switch to position **2** with button **D** held down for a further 10 to 15 seconds.

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

STARTING THE TRACTOR

— Depress master clutch pedal to disengage and shift gear and splitter levers as desired (see page 19).

— Increase engine speed.

— Release parking brake lever and release clutch pedal.

STOPPING THE TRACTOR

— Reduce engine speed.

— Declutch and apply brakes.

— When tractor comes to rest return gear and range-change levers to neutral, release clutch pedal and apply parking brake.

CAUTION

*To prevent Diesel fuel from waxing in freezing weather, mix fuel with **FIAT «Diesel Mix»** antifreeze (or similar product) as directed on container.*

***FIAT «Diesel Mix»** must be added before fuel waxes, as once this starts nothing can be done. Pour antifreeze into tank and then add fuel.*

***FIAT «Diesel Mix»** ensures optimum fuel supply without reducing performance even at temperatures below —20°C.*

STOPPING THE ENGINE

— Turn starter switch to position **0**.

— When the engine comes to rest return the starter switch to position **P** if the parking lights are to be left on.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 8 of 80 pages

The full manual includes:

- All 80 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Fiat 55-46, 65-46, Fiat 55-46, Fiat 65-46 Operator Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual