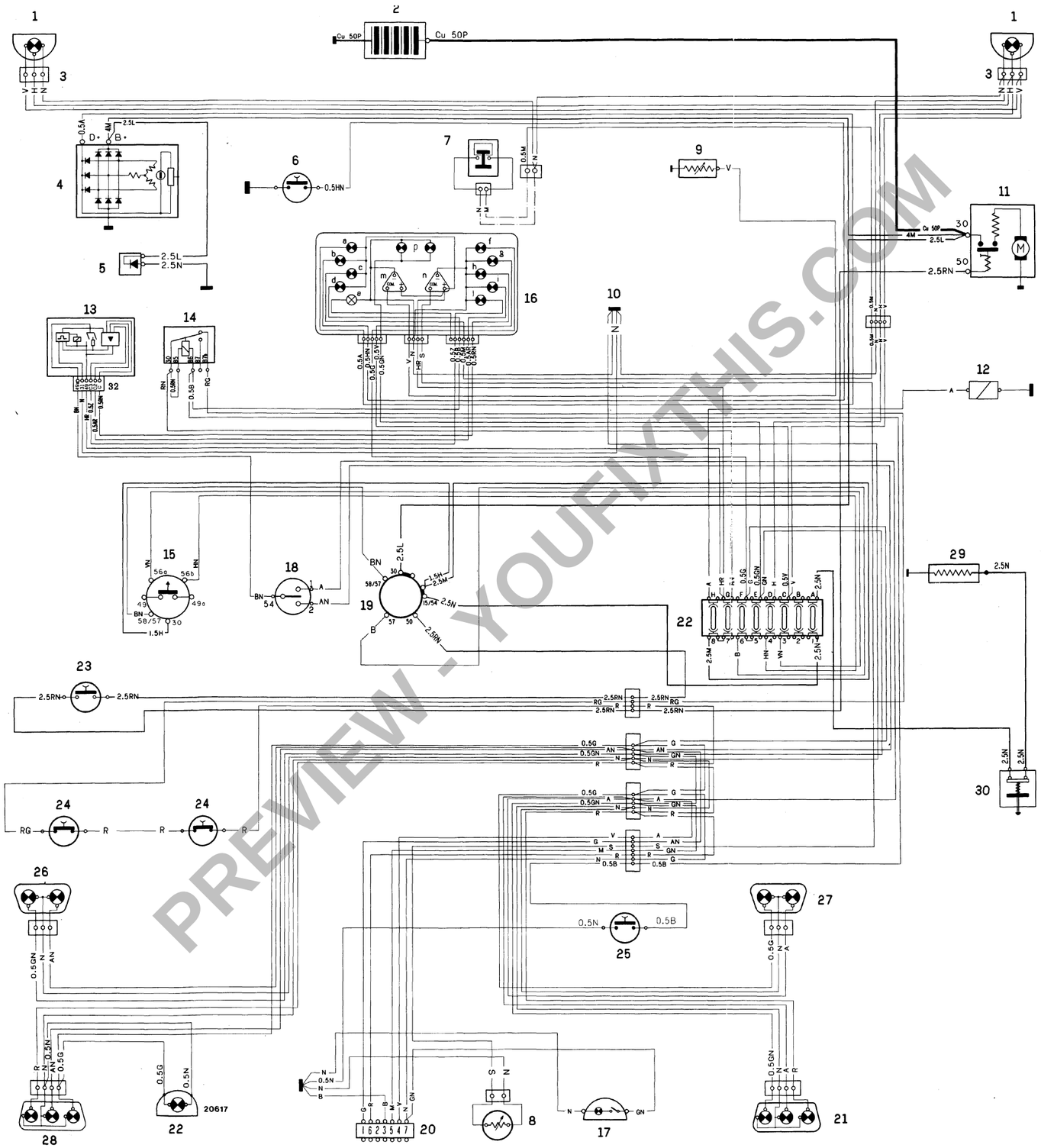


ELECTRIC PLANT WIRING DIAGRAM
(Operator's Manual Print no 603.64.259.00)

1. Asymmetrical head-lamps with hi-and low-beam head-lights.
2. Battery.
3. 3-way connection.
4. Alternator.
5. Over voltage protection device.
6. Switch, low engine oil pressure warning.
7. Dry air cleaner clogging indicator.
8. Fuel level indicator control.
9. Transmitter, engine cooling fluid temperature indicator.
10. Ground.
11. Starter motor.
12. Engine stop solenoid.
13. Flasher, turn signal lights.
14. Microswitch, 1 exchange contact.
15. Lights switch.
16. Multiple gauge board, comprehensive of:
    - *a.* battery charging plant ineffective (red);
    - *b.* low engine oil pressure;
    - *c.* dry-air cleaner clogged;
    - *d.* parking brake engaged;
    - *e.* not utilized;
    - *f.* parking lights on;
    - *g.* hi-beam headlights on;
    - *h.* tractor turn lights on;
    - *i.* 1st trailer turn signals;
    - *l.* 2nd trailer turn signals;
    - *m.* engine cooling fluid temperature;
    - *n.* fuel level gauge;
    - *p.* panel lighting.
17. Rear floodlight.
18. Switch, turn lights.
19. Engine starting switch.
20. Seven-pole connector.
21. Rear lamps, parking, turn and stop (R.H. side) lights.
22. Number plate light.
23. Engine starting safety switch.
24. Switch, stop lights indicator.
25. Hand brake indicator switch.
26. Front L.H. side parking and turn lamp.
27. Front R.H. side parking and turn lamp.
28. Rear L.H. Side parking, turn and stop lamp.
29. Thermostart.
30. Thermostart push-button control.

CABLE COLOUR CODE

- ***A*** = Light blue
- ***B*** = White
- ***C*** = Orange
- ***G*** = Yellow
- ***H*** = Grey
- ***L*** = Blue
- ***M*** = Brown
- ***N*** = Black
- ***R*** = Red
- ***S*** = Pink
- ***V*** = Green
- ***Z*** = Violet

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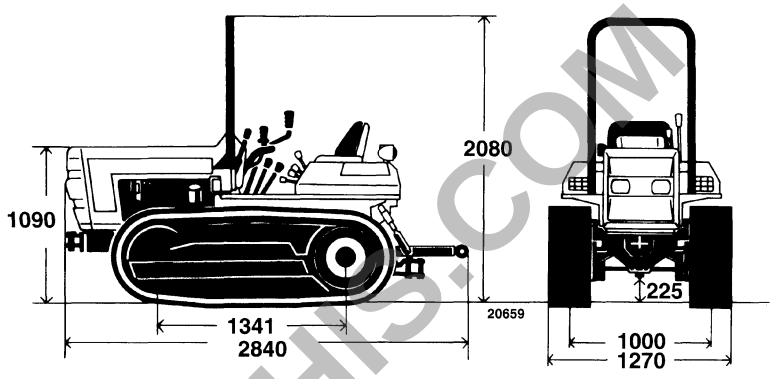
SPECIFICATIONS

DIMENSIONS (Model 55-85)

WEIGHT (Model 55-85)

Operating weight with lift and implement attachment, towing attachments, street plates, operator and full tank ..... ***2970 kg (6549 lb)***

— As above with ballast weights (3 plates) ..... ***3060 kg (6747 lb)***

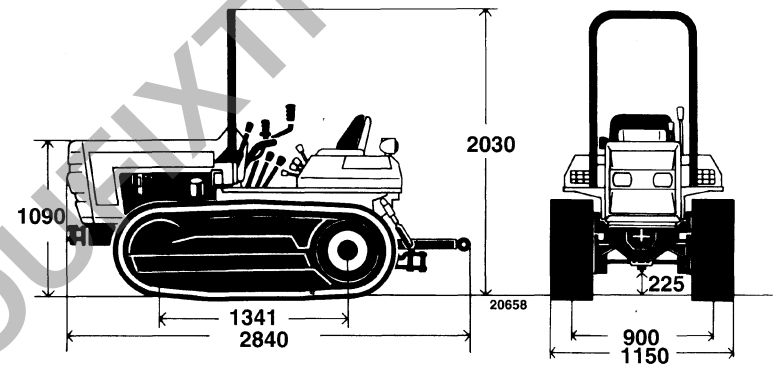


DIMENSIONS (Model 60-85V)

WEIGHT (Model 60-85V)

Operating weight with lift and implement attachment, towing attachments, street plates, operator and full tanks ..... ***2860 kg (6306 lb)***

— As above with ballast weights (3 plates) ..... ***2950 kg (6505 lb)***



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MAINTENANCE
Servicing Schedule

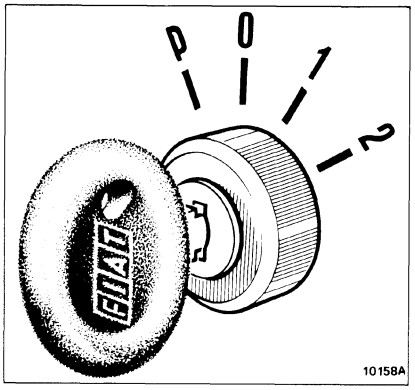
(Operation numbers correspond to those of operations listed in the "Servicing Chart" attached to this book).

Maintenance Schedule	Op. No.	Maintenance Operation	Fluid level check	Adjustments	Greasing	Cleaning	Filter replacement	Lube change
FLEXIBLE SERVICING	1	Engine sump	●					
	2	Air cleaner (valve)				●		
	3	Battery	●					
	4	Radiator	●					
	5	Steering clutches	●					
	6	Fan belts		●				
	7	Master clutch		●				
	8	Engine PTO clutch		●				
	9	Track rollers and wheels	●					
	10	Tracks		●				
	11	Dry air cleaner (outer cartridge)				●		
	12	Brakes		●				
AFTER EVERY 50 HOURS WORK	13	Front leaf spring pivot (1 nipple)			●			
	14	Rear support bars (2 nipples)			●			
	15	Fuel filter				●		
	16	Master clutch throw-out sleeve (1 nipple)			●			
	17	Brakes (4 nipples)			●			

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OPERATION
Starting and Stopping



Starter Switch

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

1. ON: engine starting circuit, warning indicators, gauges and users energized.

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 or indoors.*

— *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 the 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 clutch lever 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 the engine fires.

ATTENTION

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

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INSTRUMENTS AND CONTROLS

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

2. ***Steering Clutch Control Levers:***
   — left turn:
   L.H. side lever;
   — right turn:
   R.H. side lever.

3. ***Master Clutch Control Lever:***
   — Forward = Clutch applied;
   — Back = Clutch released.

CAUTION

To engage master clutch move lever fully forward to stroke end.

4. ***Splitter Control Lever*** (see page 19).

5. ***Left Brake Pedal.***

6. ***P.T.O. Clutch Control Lever*** (see page 24).

7. ***P.T.O. Control Lever*** (see page 24).

8. ***Right Brake Pedal.***

9. ***Tool Box.***

10. ***Hydraulic Lift Levers*** (see page 26).

11. ***Remote Control Valve Levers*** (see page 33).

12. ***Parking Brake Lever:***
    — Up = applied;
    — Down = released.

ATTENTION

To release parking brake lever ***12*** *depress button.*

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

14. ***Control Board*** (see pag. 18).

15. ***Throttle Lever.***

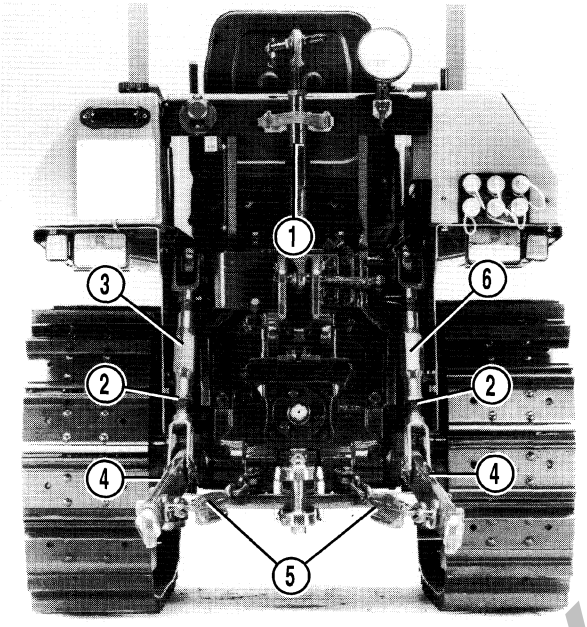
16. ***Seat spring adjustment lever*** (see page 23).

17. ***Lift-O-Matic push-button*** (see page 27).

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Implement Attachment



20645

Lower link max stroke:

— Lifting rods fully extended ..... 670 mm (27 in)
— Lifting rods full retracted ..... 570 mm (22 in)

1. Adjustable top link.

2. Lifting rod adjustment sleeve nuts.

3. Adjustable left lifting rod.

4. Lower links.

5. Lower link check chains (for on-road transfers without implements).

6. Adjustable right lifting rod.

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SPEEDS

At full load engine rpm.

Gear	kph	mph
1st Low	1.5	0.9
2nd »	2.0	1.2
3rd »	2.5	1.5
4th »	3.5	2.2
1st High	4.4	2.8
2nd »	5.9	3.7
3rd »	7.6	4.7
4th »	10.5	6.6
1st Reverse	2.8	1.7
2nd »	3.7	2.3
3rd »	4.8	3.0
4th »	6.7	4.1

ENGINE

Model 55-85

FIAT Code:

— BOSCH pump 8035.06.222
— CAV pump 8035.06.323
Type: Diesel, 4-stroke, direct injection.
Number of cylinders 3
Bore and stroke ..... mm 100 × 115 (3.937 × 4.528 in)
Displacement ..... 2,710 cc
Compression ratio ..... 17 to 1
Power output
DGM/DIN .... 40 kW (55 metric HP)
Full load speed ..... 2,500 rpm
Full torque speed ..... 1,400 rpm

Model 60-85

FIAT Code:
— BOSCH pump 8035.05.208
— CAV pump 8035.05.309
Type: Diesel, 4-stroke, direct injection.
Number of cylinders 3
Bore and stroke ..... 104 × 115 mm (4.094 × 4.528 in)
Displacement ..... 2,931 cc
Compression ratio ..... 17 to 1
Power output
DGM/DIN .... 44 kW (60 metric HP)
Full load speed ..... 2,500 rpm
Full torque speed ..... 1,500 rpm

Timing gear

Valves overhead:

— Intake { opens: 12° B.T.D.C.
closes: 31° A.B.D.C.

— Exhaust { opens: 50° B.B.D.C.
closes: 16° A.T.D.C.

— Valve clearance (for timing check) ..... 0.45 mm or 0.018 in
— Valve clearance, normal (hot or cold):
— Intake
— Exhaust
} 0.30 ± 0.05 mm (.012 ± .005 in)

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Maintenance Schedule	Op. No.	Maintenance Operation	Fluid level check	Adjustments	Greasing	Cleaning	Filter replacement	Lube change
AFTER EVERY 200 HOURS WORK	18	Engine sump						●
	19	Fuel filter					●	
	20	Fuel feed pump				●		
	21	Steering clutches				●		
AFTER EVERY 400 HOURS WORK	22	Final drives	●					
	23	Transmission and lift	●					
	24	Dry air cleaner (inner cartridge)					●	
	25	Steering clutches				●		
	26	Engine oil filter					●	
	27	Lift oil filter					●	
	28	Track carrier rollers	●					
	29	Track frame rollers						●
	30	Idler wheels						●
AFTER EVERY 800 HOURS WORK	31	Dry air cleaner (outer and inner cartridges)					●	
	32	Fuel tank				●		
	33	Fuel injectors		●				
	34	Engine valves		●				
	35	Steering clutches						●

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