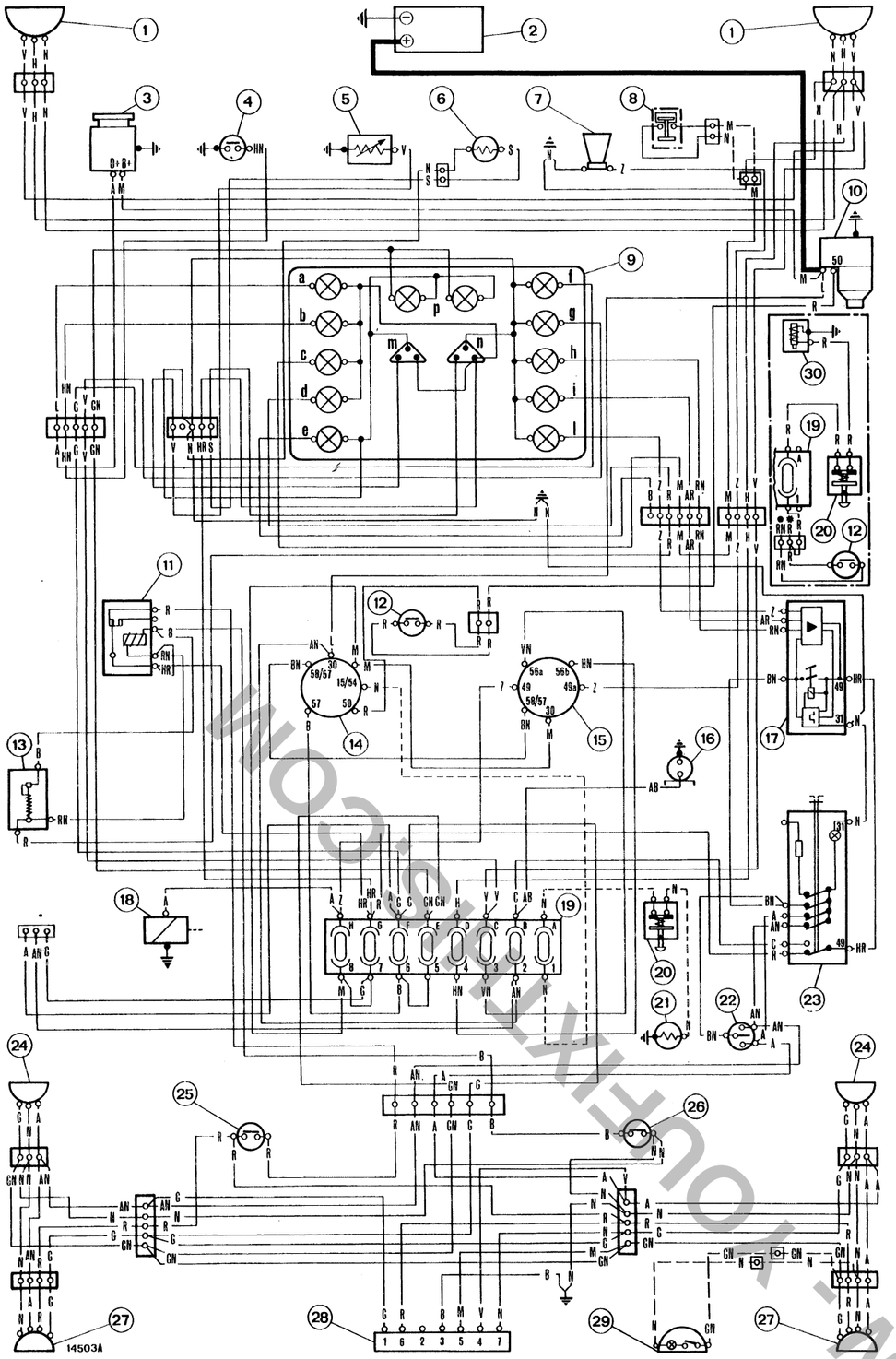


WIRING DIAGRAM (INCLUDING ACCESSORIES)

Note: Inset shows start-pilot device which may be fi an alternative to thermostarter.

* To starter connection 50

● To starter switch connection 50.

1. Headlamps.
2. Battery.
3. Alternator.
4. Low engine oil pressure indicator sending unit.
5. Water temperature gauge sending unit.
6. Fuel gauge sending unit.
7. Horn.
8. Air cleaner restriction indicator sending unit.
9. Multiple gauge (13 function).
   - **a.** Battery charge indicator.
   - **b.** Low engine oil pressure indicator.
   - **c.** Air cleaner restriction indicator.
   - **d.** Parking brake indicator.
   - **e.** Not used.
   - **f.** Parking lights indicator.
   - **g.** High beams indicator.
   - **h.** Tractor turn signal indicator.
   - **i.** Second trailer turn signal indicator.
   - **l.** Second trailer turn signal indicator.
   - **m.** Engine water temperature gauge.
   - **n.** Fuel gauge.
   - **p.** Panel lighting.
10. Starter.
11. Parking brake indicator sending unit and sto change over relay.
12. Starter inhibitor switch.
13. Parking brake indicator flasher.
14. Starter switch.
15. Lighting switch and horn button.
16. Single pole power point.
17. Hazard warning and turn signal flasher.
18. Engine shut-off solenoid.
19. Fuses.
20. Thermostarter or start-pilot control button.
21. Thermostarter.
22. Turn signal switch.
23. Hazard warning button and indicator.
24. Front parking and turn signal lights.
25. Stop light switch.
26. Parking brake indicator sending unit.
27. Tail, rear turn signal, stop and number plate lig
28. Seven pole power point.
29. Work light/switch.
30. Start-pilot.

CABLE COLOR CODE

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

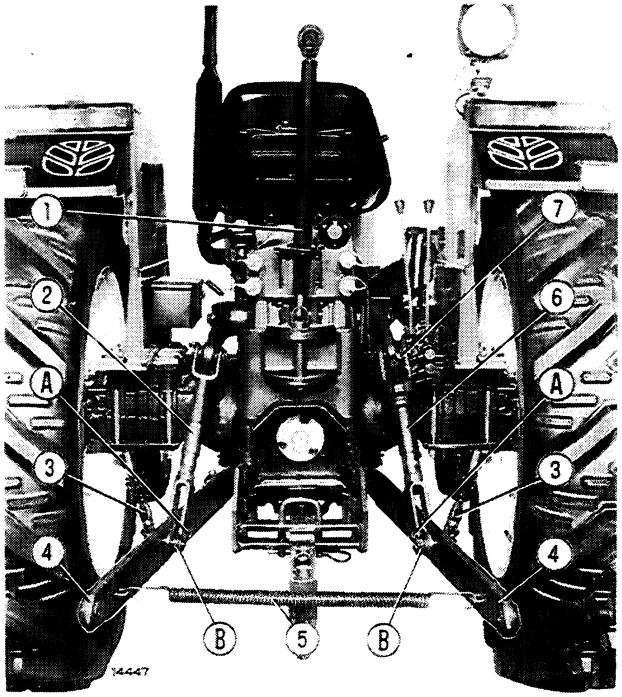
Print N. 603.64.190.00R2

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Lower link stroke:

— Lifting rods fully out and connected to holes **A** . . . . . 720 mm or 29 in

— Lifting rods fully out and connected to holes **B** . . . . . 620 mm or 25 in



Maximum lift capacity with lower links horizontal throughout stroke (lifting rods connected to holes **B** and top link **1** at top hole on support):

— At lower link swivel bushings . . . . 2,120 kg (4,675 lb)

— Center of gravity 610 mm or 24 in from swivel bushings . . . . . 1,630 kg (3,594 lb)

— Center of gravity 970 mm or 38.5 in from swivel bushings . . . . . 1,420 kg (3,131 lb)

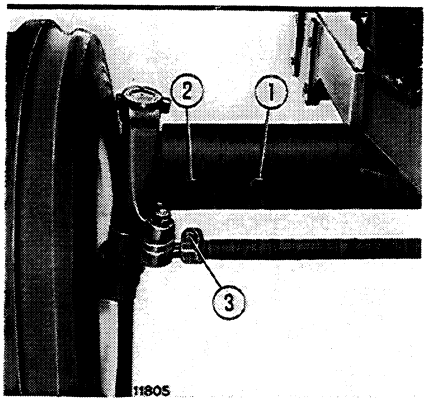
A. Front lifting rod mounting holes.

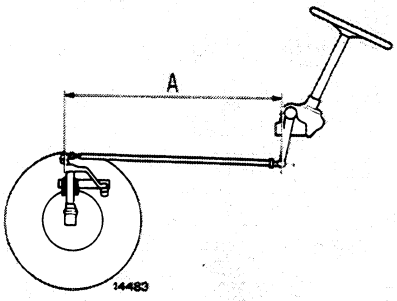
B. Rear lifting rod mounting holes.

1. Adjustable top link. **2.** Left lifting rod. **3.** Check chains (implement coupled). **4.** Lower links. **5.** Check spring (for transfer without implement). **6.** Right lifting rod. **7.** Levelling box handle with spring.

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Track Adjustment

FRONT

To adjust, proceed as follows:

— Raise front end of tractor applying jack to underside of axle beam.

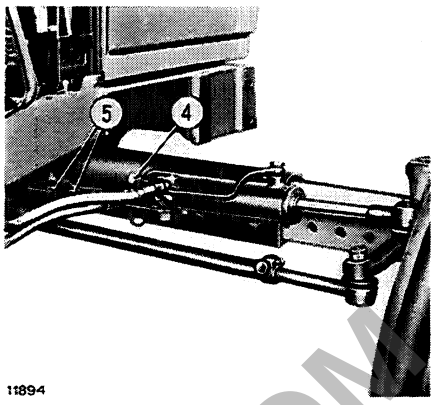
— Unclamp the two beam extensions by removing clamp bolts **1** and **2** (torqued at 220 N.m, 22.5 kgm or 163 ft.lb).

— Remove clamps bolt **3** (torqued at 39 N.m, 4 kgm or 29 ft.lb) and adjust track rod length.

— Adjust track to one of six settings (1300 mm or 4 ft 3 in, 1400 mm or 4 ft 7 in, 1500 mm or 4 ft 11 in, 1600 mm or 5 ft 3 in, 1700 mm or 5 ft 7 in, 1800 mm or 5 ft 11 in)

1870 mm or 6 ft 2 in maximum track width is obtainable by inverting wheel position on hub.

Maximum track should only be used where strictly necessary.



Wheel nuts are torqued at 147 N.m, 30 kgm or 108 ft lb.

NOTE: For front tread adjustment on DT version turn to page 65.

NOTE

*For optimum steering angle adjust drag link length **A** as follows:*

— *1052 mm (42 in) for 1300 to 1600 mm settings.*

— *1080 mm (43 in) for 1700 and 1800 settings.*

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POSITION CONTROL

— Move draft control lever **C**, fully forward.

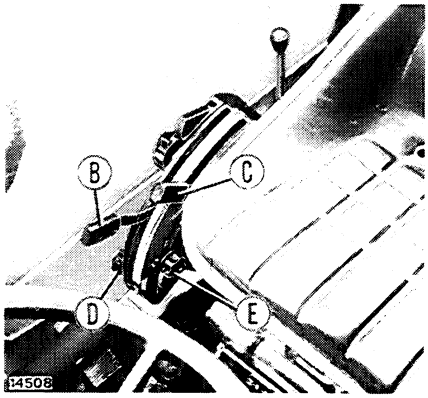
— Set implement position below or above ground by moving lever **B** forward to lower and backward to lift. Implement movement will be proportional to lever travel.

B. Position Control Lever.

C. Draft Control Lever.

D. Stop for Lever B.

E. Stop for Lever C.



— To raise and lower implement at the beginning and end of each pass, actuate Lift-O-Matic only.

DRAFT CONTROL

— Move position control lever **B** fully forward.

— Move lever **C** progressively forward to bring the implement to the desired depth. Implement depth will be proportional to draft as determined by ground consistency. In this condition the lift keeps the tractive effort steady automatically.

— To raise implement at the end of each pass simply actuate Lift-O-Matic.

WARNING

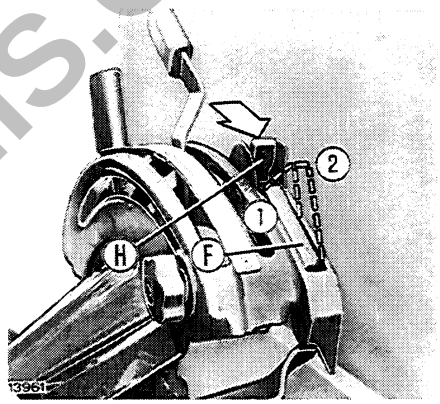
When using Lift-O-Matic controlled mounted implements connected to PTO, adjust lifting rods to max. length to prevent drive shaft damage.

F. Lift-O-Matic (link raising/lowering button).

1. Links down.

2. Links up.

To raise implement quickly without altering the position of levers **B** and **C** pull back control **H** as shown. Control **F** is released in the process and the implement will raise fully. To restore working position press control **F**.



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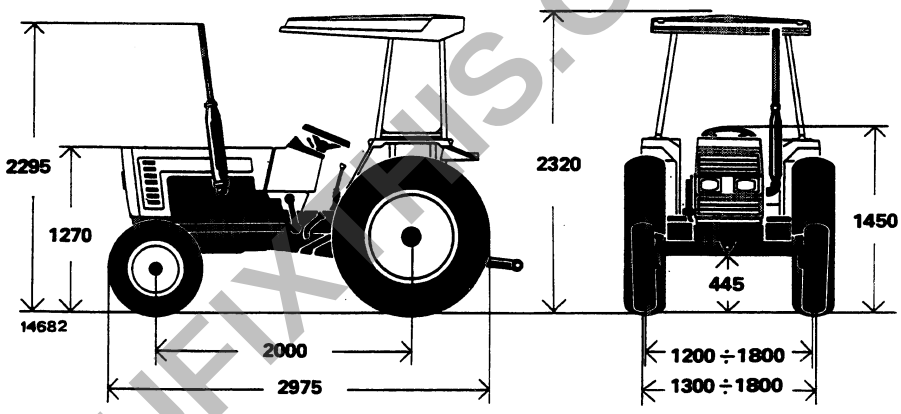
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WEIGHTS
Operating weight with 5.50-16 and 12.4/11-28 tires, lift with implement attachment . . . **1810 kg or (3982 lb)**
— As above with front weights (3 plates) and 4 rings on rear wheels ..... **2100 kg (4620 lb)**

SPEEDS
Speeds given are at governed engine speed.

Gear	Rear tires					
	12.4/11-28		13.6/12-28		12.4/11-32	
	kph	mph	kph	mph	kph	mph
1st Low	1.3	0.81	1.3	0.81	1.4	0.99
2nd »	2.1	1.30	2.1	1.30	2.2	1.37
3rd »	2.6	1.61	2.7	1.68	2.8	1.74
4th »	4.2	2.61	4.4	2.73	4.5	2.80
1st Normal	3.3	2.05	3.5	2.17	3.6	2.24
2nd »	5.3	3.29	5.5	3.42	5.8	3.60
3rd »	6.8	4.22	7.1	4.41	7.3	4.53
4th »	10.8	6.71	11.2	6.96	11.7	7.27
1st High	8.5	5.28	8.9	5.53	9.3	5.78
2nd »	13.6	8.45	14.2	8.82	14.7	9.13
3rd »	17.3	10.75	18.0	11.18	18.7	11.62
4th »	27.5	17.07	28.7	17.83	29.9	18.58
1st Reverse	3.5	2.17	3.7	2.30	3.8	2.36
2nd »	5.6	3.48	5.9	3.66	6.1	3.79
3rd »	7.2	4.47	7.5	4.66	7.8	4.85
4th »	11.4	7.08	11.9	7.40	12.4	7.71

DIMENSIONS
Front size 5.50 - 16 and rear tire size 12.4/11-28.



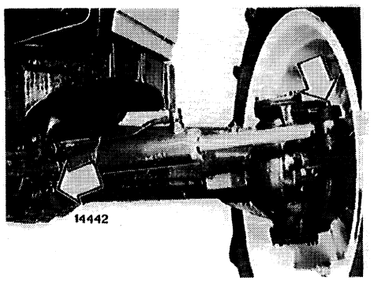
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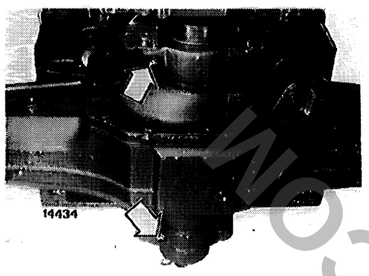
45-66 45-66DT - SERVICING CHART

(Supplement to Operator's Manual Print no. 603.64.190.00R2)

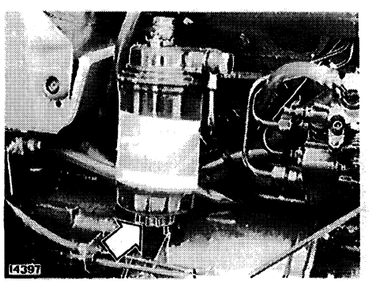
50 Hours



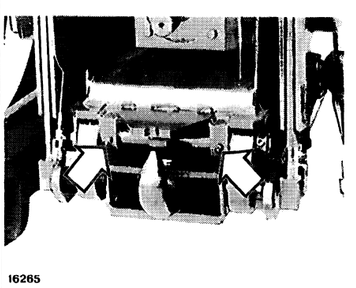
20 STEERING (DT VERIONS) - Lubricate (2 points) using Fiat TUTELA G9 grease.



21 FRONT AXLE PIVOT (DT Version) - Lubricate using Fiat TUTELA G9 grease.

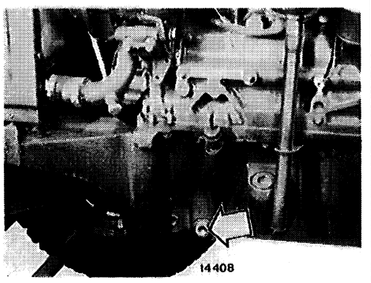


22 FUEL FILTER - Drain weekly by backing off bottom screw through 3 to 4 turns and stroking fuel supply pump lever.

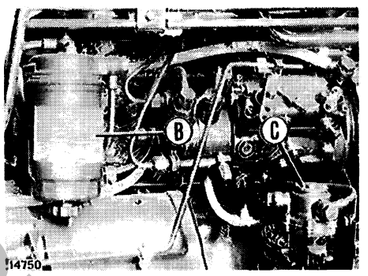


23 HYDRAULICALLY CONTROLLED TOW HOOK - Inject Fiat TUTELA G9 grease (two lube points).

Every 200 Hours



24 ENGINE SUMP - Remove plug, drain and refill (see Capacities and Op. 1).

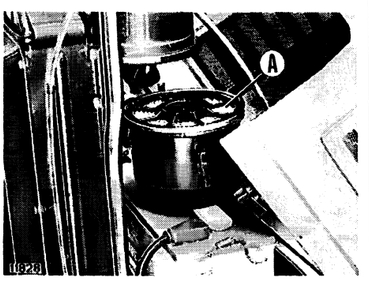


25 FUEL FILTER - Replace cartridge B. Bleed system as directed on page 48.

IMPORTANT

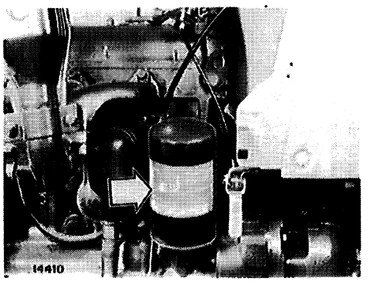
Cartridge replacement may be delayed to 250 hours.

26 FUEL SUPPLY PUMP - Remove cover C (see Op. 25) and clean inner filter.

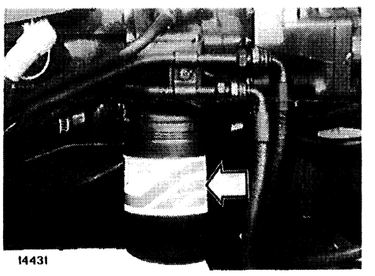


27 OIL BATH AIR CLEANER - Remove element A, wash with kerosene and drain. Oil before installing.

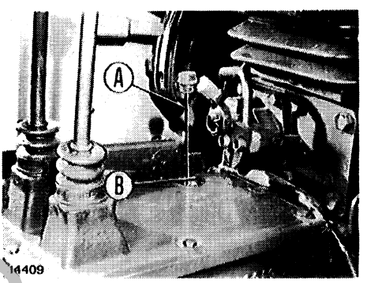
Every 400 Hours



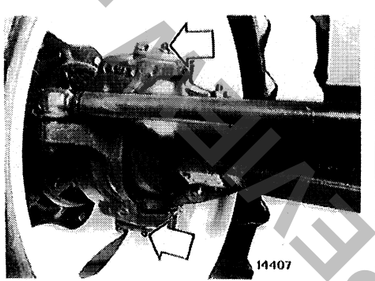
28 ENGINE OIL FILTER - Replace cartridge, oil the seal, spin on cartridge to contact block and tighten by hand through a turther ¾ turn.



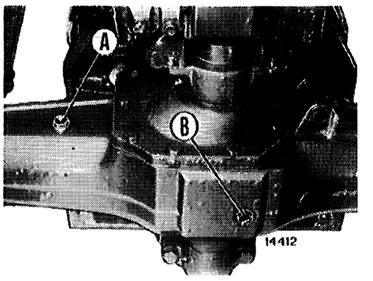
29 LIFT FILTER - Replace cartridge, oil the seal, spin on cartridge to contact block and hand tighten through a further ¾ turn. Top up using fresh oil (see Op. 30).



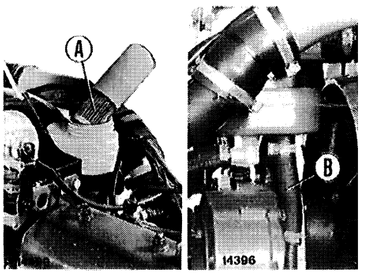
30 DRIVE HOUSING AND LIFT - Check that oil level reaches max mark on dipstick A with tractor level, engine shut off, lift arms lowered and dipstick plug screwed fully in. Top up through hole B.



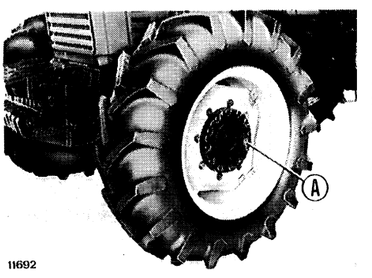
31 KING PINS (DT) - Inject Fiat TUTELA G9 grease at least twice a year (2 points on each side).



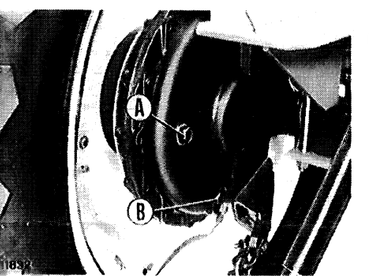
32 FRONT AXLE HOUSING (DT version) Check that oil level is up to hole of plug A and top up as necessary (see "Capacities").



33 POWER STEERING - Remove filter A (press down and move sideways) and wash in kerosene together with plug.



34 FRONT FINAL DRIVES (DT version) - Bring filler A horizontal and check oil level, topping up as necessary.



35 REAR FINAL DRIVES - Check that oil level is up to plug A and top up as necessary.

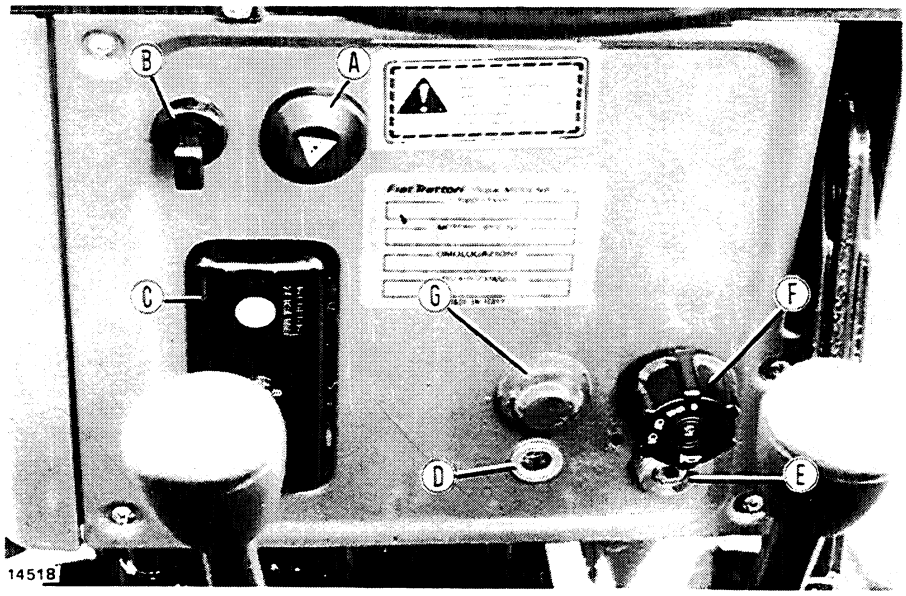
CAPACITIES

DESCRIPTION	CAPACITY (dm³) Liters	CAPACITY USA, Unit (Gals)	CAPACITY Imp. Unit (Gals)	FIAT LUBRIFICANTI RECOMMENDED FLUIDS	INTERNATIONAL DESIGNATION
Coolant	12	3.17	2½	Water and «**PARAFLU 11**» (see page 56)	—
Washer reservoir	2	0.5	2/5	Water and FIAT DP (1) fluid.	
Fuel	73	19.3	16	Diesel oil (settled and filtered)	—
Engine and filter oil	7.3	1.9	1 ½	**AMBRA SUPER**	Diesel engine oil to MIL-L-2104E and Service API CE
Sump oil	6.7	1.7	1 ⅓		
Oil bath air cleaner	0.55	0.14	⅛		
Power steering fluid	1.7	0.44	⅓	**TUTELA MULTI F**	Oil for transmission, drives, oil-bath brakes and lifts Meets FIATAGRI CAP 001 and service API GL4 specifications Viscosity grade:SAE 20W/30
Steering oil	0.9	0.8	¼ Gal		
Front axle oil — Axle housing	4.8	1.26	1		
Front axle oil — Final drive (each)	0.55	0.15	⅛		
Drive housing (including transmission final drives, bevel gear and brakes) and lift:					
— Model 45-66	22	5.8	4⅔		
— Model 45-66 DT	23	6.1	5		
Final drives (each)	2.3	0.6	½		
Front hub grease	—	—	—	**TUTELA G9**	Lithium-calcium base grease, NLGI 2
Lubricator grease	—	—	—		

(1) Anti-freeze detergent liquid effective down to -10°C in 50% - 50% mixture. For temperatures below - 10°C use DP1 neat.

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Control Board



A. Hazard Warning Control and Indicator. Always live even with key removed from starter switch **E**. Press to activate and press again to switch off.

B. Turn Signal Light Switch (switch **E** to **1**, see page 20).

C. Fuse Box (see page 51).

D. Power Point (single pole).

E. Starter Switch (see page 20).

F. Lighting Switch and Horn Push-button (switch **E** to **1**, see page 20).



OFF.

Parking.

Low Beams.

High Beams.

In-Horn

G. Thermostarter or Start-pilot Control (see page 21).

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CONTROLS AND INSTRUMENTS

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

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

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

4. **Master Clutch Pedal.**

5. **Seat Ride Control lever** (see page 39).

6. **PTO Control Lever** (see page 23).

7. **Tool Box.**

8. **Parking Brake Lever** (with release button):
   — Up = Applied
   — Down = Released

IMPORTANT

*Depress lever button to release parking brake lever **8.***

9. **Differential Lock Pedal.**

The differential is provided with a pedal-operated lock.

It is recommended that this lock be used in the following cases:

— In plowing, to prevent slipping of wheel outside the furrow.
— When one of the driving wheels tends to "spin" on adverse, muddy or slippery ground.

To lock: first slow down tractor, then depress pedal fully.
The differential lock will stay IN until the wheels find equal adhesion; should the lock not release automatically, brake one of the wheels rapidly and strongly.
To release lock while plowing, brake the wheel outside the furrow.

CAUTION

Do not keep differential locked if unnecessary: this would only cause waste of power, harmful stressing of drive line components, tire wear and steering difficulties.

10. **Remote Control Valve Levers** (see page 40).

11. **Lift-O-Matic** (see page 27).

12. **Accelerator Pedal.**

13. **Lift Controls** (see page 27).

14. **Brake Pedals.**

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

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

17. **Hand Throttle.**

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