SERVICE MANUAL

Dozer Crawlers DC70 - DC80 - DC100
Includes LGP



NEW HOLLAND
CONSTRUCTION

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SECTION 0

GENERALITIES

TABLE OF CONTENTS

TOPIC	PAGE
SAFETY RULES	I - VIII
TECHNICAL DATA TABLES	1 - 29
GENERAL INSTRUCTIONS	30 - 34
DIAGNOSTIC CHECKS	35
UNITS OF MEASURE	36
CLASSIFICATION OF STANDARD PARTS FOR TORQUE DETERMINATION	36

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SECTION 2

TRANSMISSION

TABLE OF CONTENTS

ITEM	TOPIC	PAGE
2.1	GENERAL DESCRIPTION	1
2.1.1	Adjusting the travelling speed	1
2.1.2	Up shifting	1
2.1.3	Choosing the travelling direction	1
2.1.4	Forward and backward travelling	1
2.1.5	Steering	1
2.1.6	Reversing	1
2.1.7	Working brake	2
2.1.8	Parking brake	2
2.2	INSTALLATION	5
2.3	TROUBLESHOOTING	9
2.4	HYDRAULIC MOTOR	11
2.4.1	Disassembly	11
2.4.2	Reassembly	12
2.4.3	Disassembly	13
2.4.4	Hydraulic two-position control	14
2.5	TRAVELLING HYDRAULIC PUMP	39
2.5.1	General description	39
2.5.2	Disassembly/Reassembly	42
2.5.3	Tightening torques	63
2.5.4	Safety rules	64
2.5.5	Adjustment instructions	65
2.5.6	Machine towing	68
2.6	TRAVELLING CHARGING AND SERVONTROLS GEAR PUMP	69
2.6.1	Uncoupling	69
2.6.2	Pump overhaul	70
2.6.3	Reassembly	71
2.6.4	Flow testing	71
2.7	LEFT CONTROL TRAVELLING JOYSTICK STD	72
2.7.1	General description	72
2.7.2	Technical data	73
2.7.3	Disassembly/Reassembly	74
2.7.4	Friction for left control travelling joystick (optional)	75
2.8	PROPORTIONAL PRESSURE REDUCTION VALVE	76
2.8.1	General description	76

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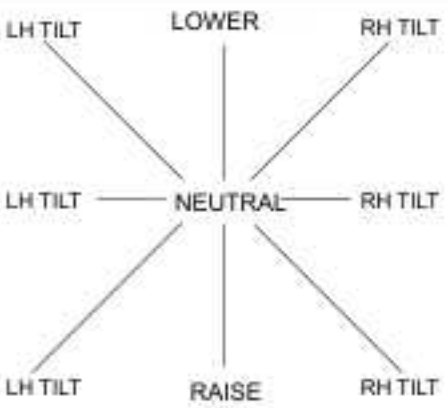
SECTION 3

FINAL DRIVES AND SPROCKET

TABLE OF CONTENTS

ITEM	TOPIC	PAGE
3.1	DESCRIPTION	1
3.2	DISASSEMBLY	2
3.3	INSPECTION OF SPROCKETS	4
3.4	GEARBOX DISASSEMBLY	5-7
3.4.1	Description of the components	6-8
3.4.2	Lifetime seal check	20
3.4.3	Instructions for the installation of the half seals	21
3.4.4	Brake check	36
3.4.5	Installation of the gearbox to the machine	37-38-39
3.4.6	Connection of the brake pipe	40
3.4.7	Gearbox lubrication	40
3.4.8	Oil filling	40
3.4.9	Start up	40
3.4.10	Maintenance	41
3.4.11	Oil replacement and routine checks	41
3.5	HYDRAULIC MOTOR	46
3.5.1	Longitudinal section	46
3.5.2	Disassembly	47
3.5.3	Reassembly	48
3.6	FEATURES AND DATA	49-50-51

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IMPLEMENTS HYDRAULIC SYSTEM	IMPLEMENTS HYDRAULIC PUMP	Type	Gear type
		Capacity at governed speed	54 l/min - 14.26 gal/min
		Relief valve pressure	210 bar / 21000 kPa
	MAIN CONTROL VALVE	Type	Three spools Lower - raise Blade left and right tilt control Tilt blade control
		Specifications	Tandem circuit Capacity 70l/min (nominal), safety valves on each circuit.
	FRONT IMPLEMENT JOYSTICK	*Functions	
	HYDRAULIC TANK	Type	Box type
	HYDRAULIC FILTERS	Return	Out of tank, microfiber type and 25 micron filter capacity with by-pass (pressure cal. 0.3 bar).
	LIFT CYLINDERS	Type	Double acting
		Cylinder bore	80 mm / 3.14 in
		Piston stroke	423 mm / 16.6 in
		Outside diameter of piston rod	45 mm / 1.77 in
		Max distance between pins	1158 mm / 45.59 in
		Min distance between pins	735 mm / 28.9 in

* The angle has an electrical button and can be operated in any position.

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2.13 HYDRAULIC SCHEMATIC

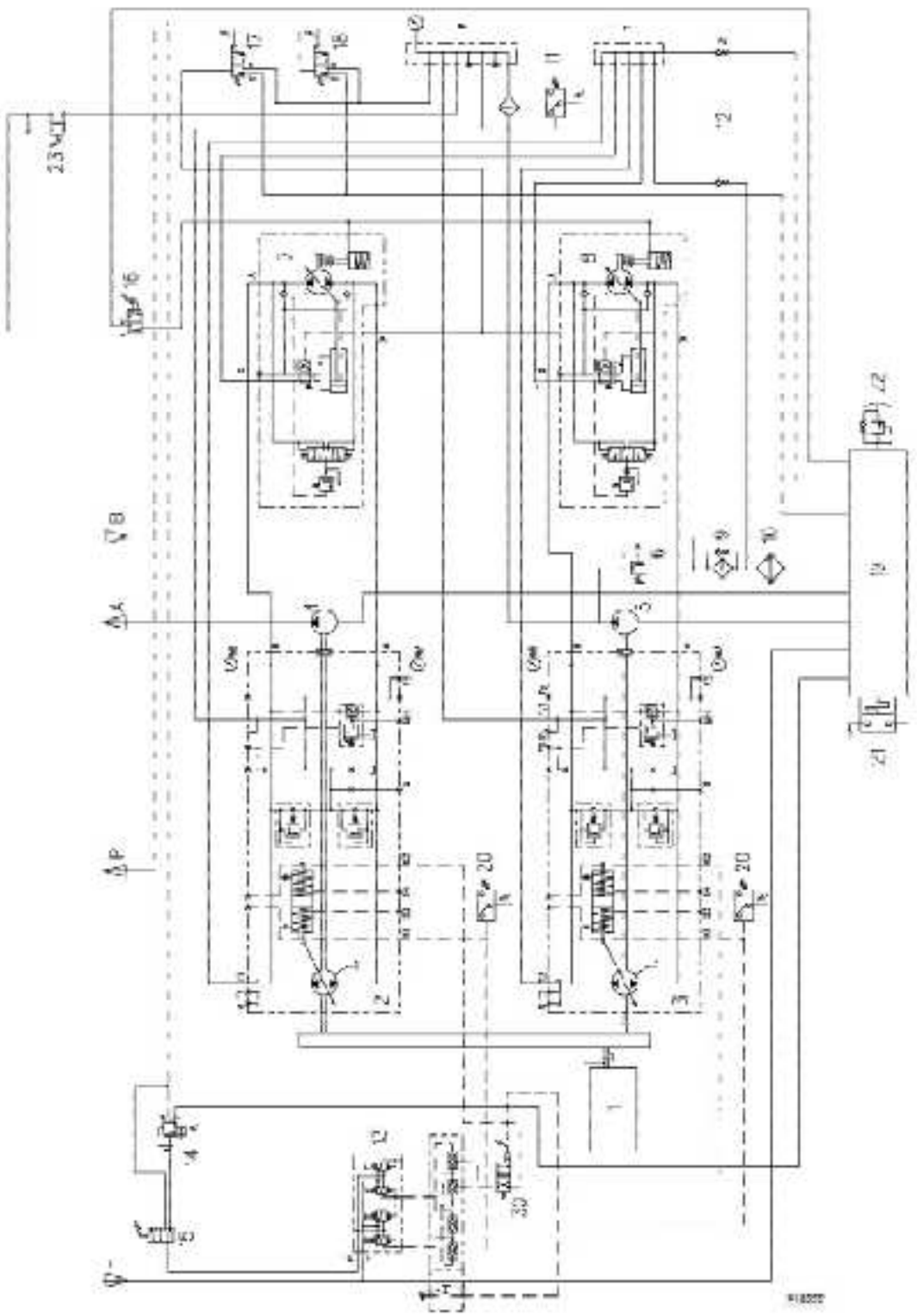


Fig. 2-93

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4.7 TRACK CARRIER ROLLERS DC100

WARNING

Lift and handle all heavy components with equipment of appropriate capacity. Ensure that the components are held by appropriate slings and hooks. Use the lifting eyes provided for this purpose. Beware of persons in the vicinities of the load to be lifted.

4.7.1 DISASSEMBLY

Remove screws (**1**, fig. 4-44) securing roller to support and remove the roller from the machine. Block the roller in a vice using fixture. Then proceed as follows (fig. 4-47):

- remove screws (**16**) and extract cover (**14**);
- remove screws (**3**) and extract ring (**5**);
- remove snap ring (**12**) and extract hub (**10,**), seal (**8+9**) and seal (**13**);
- remove the axle roller (**2**) using an extractor (fig. 4-44);
- remove bearings (**6**) using an extractor (fig. 4-45);

4.7.2 REASSEMBLY (fig. 4-47)

- Reinstall one bearing (**6**) on the roller axle (**2**) on the side of seal (**8+9**);
- insert the roller axle (**2**) in the roller body;
- place then the roller horizontally over the already assembled bearing. Fill oil into the roller body, quantity of lubricant is 0.16 kg / 0.35 pounds;
- insert the second bearing on the shaft, pushing it to the face of the roller;
- reinstall cover (**5**) with screws, tighten at 50 Nm / 36.8 ft-lb;

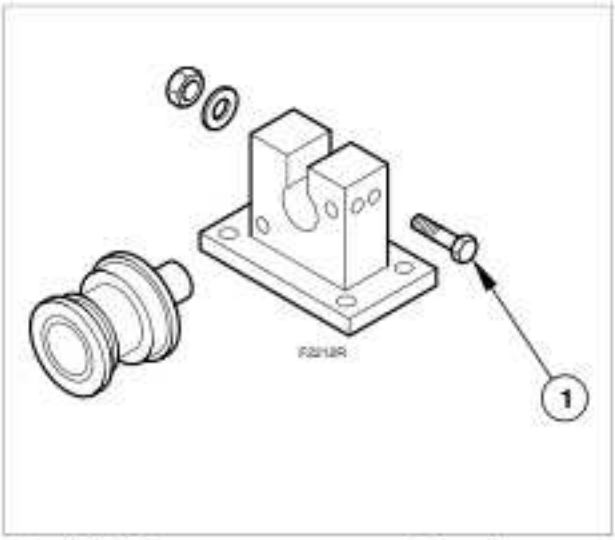


Fig. 4-44 **Remove screws securing roller**

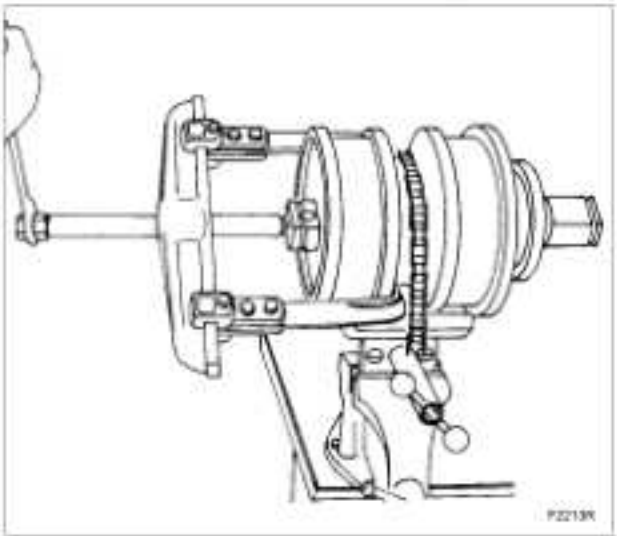


Fig. 4-45

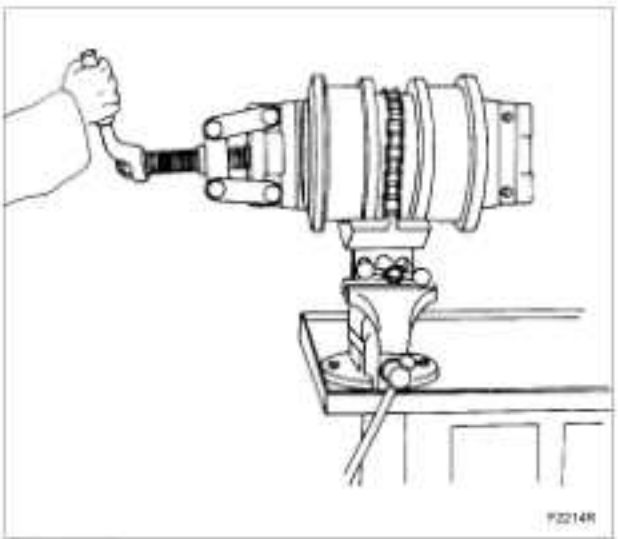


Fig. 4-46

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- press switch (fig. 6-15) and keep it pressed;



Fig. 6-15

- after about 3 seconds the warning light (fig. 6-16) located on the dashboard starts blinking;



Fig. 6-16

- since the warning light starts blinking, it is necessary to gradually pull the throttle lever (fig. 6-17) backward within 30 seconds, until the engine max. speed is reached;



Fig. 6-17

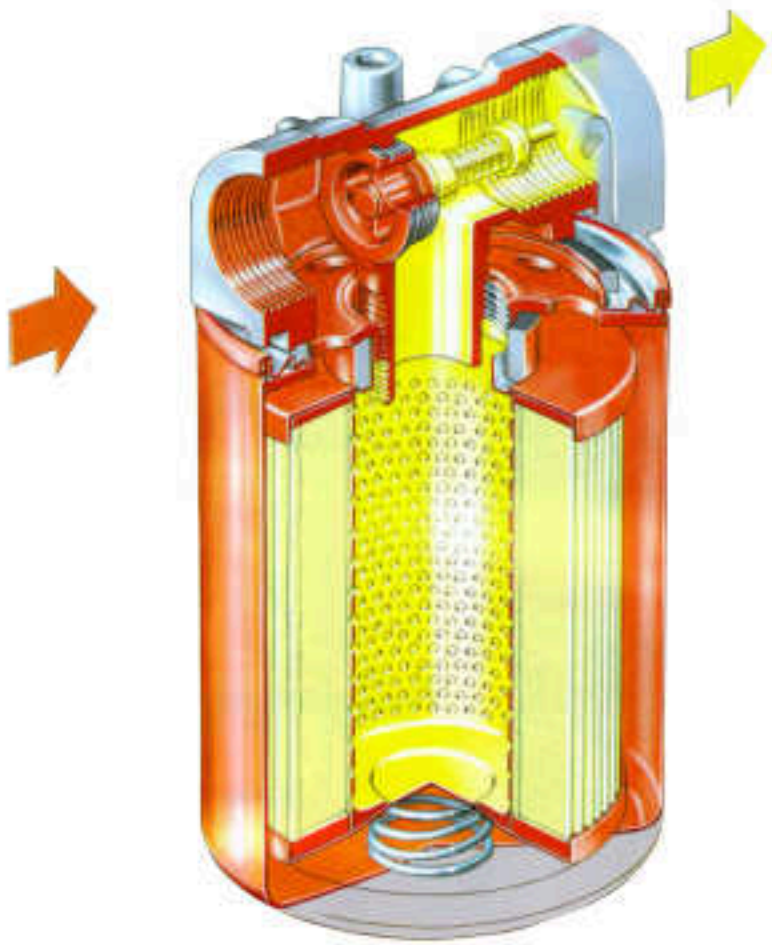
- release the switch (fig. 6-15) to light off the warning light on the dashboard.

Now control unit setting has been completed. The throttle lever (fig. 6-14) can return to the desired position. Stop the machine.

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5.8 EQUIPMENT OIL FILTER

5.8.1 TECHNICAL DATA



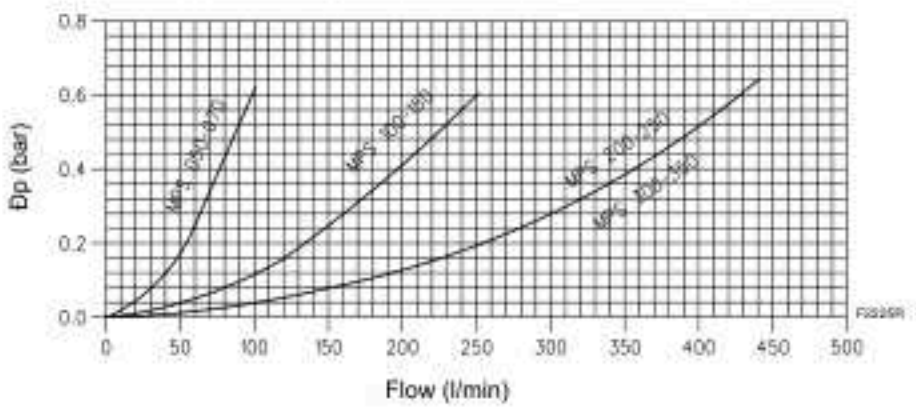


Fig. 5-13

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6.3 ELECTRICAL SYSTEM DIAGRAM

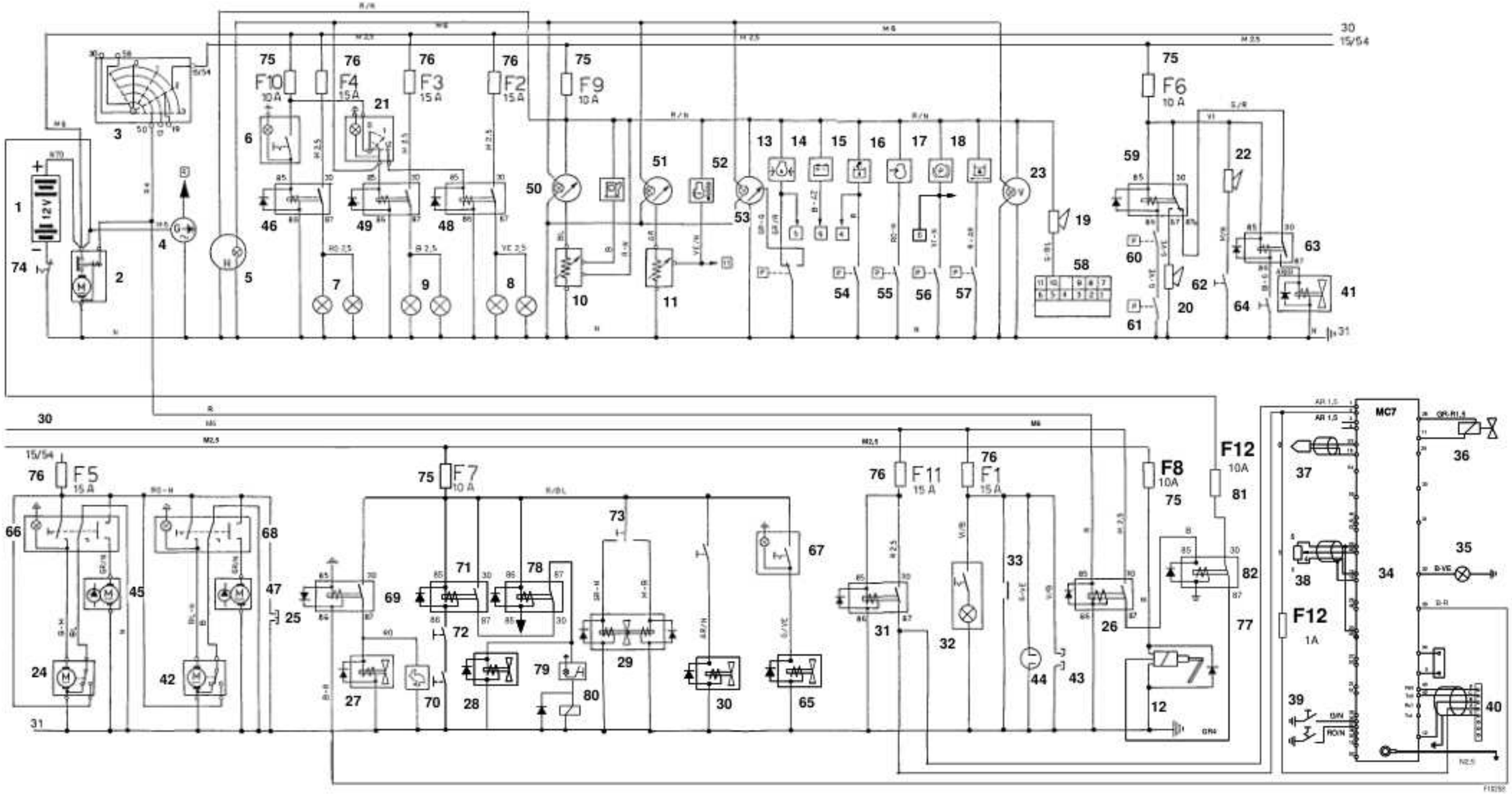


Fig. 6-5

ELECTRIC WIRES COLORATION

M	Brown	VE	Green	B	White	N	Black
VI	Violet	BL	Blue	R	Red	A	Orange
G	Yellow	RO	Pink	AZ	Azure	GR	Grey

NOTE: Wires coloration is indicated with the above abbreviations: G/VE Yellow / Green (transversal coloration) - G-VE Yellow - Green (horizontal coloration)

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