Service Manual

VMS 71

Section 1 - General Information

Section 2 - Care and Safety

Section 3 - Routine Maintenance

Section A - Attachments

Section C - Electrics

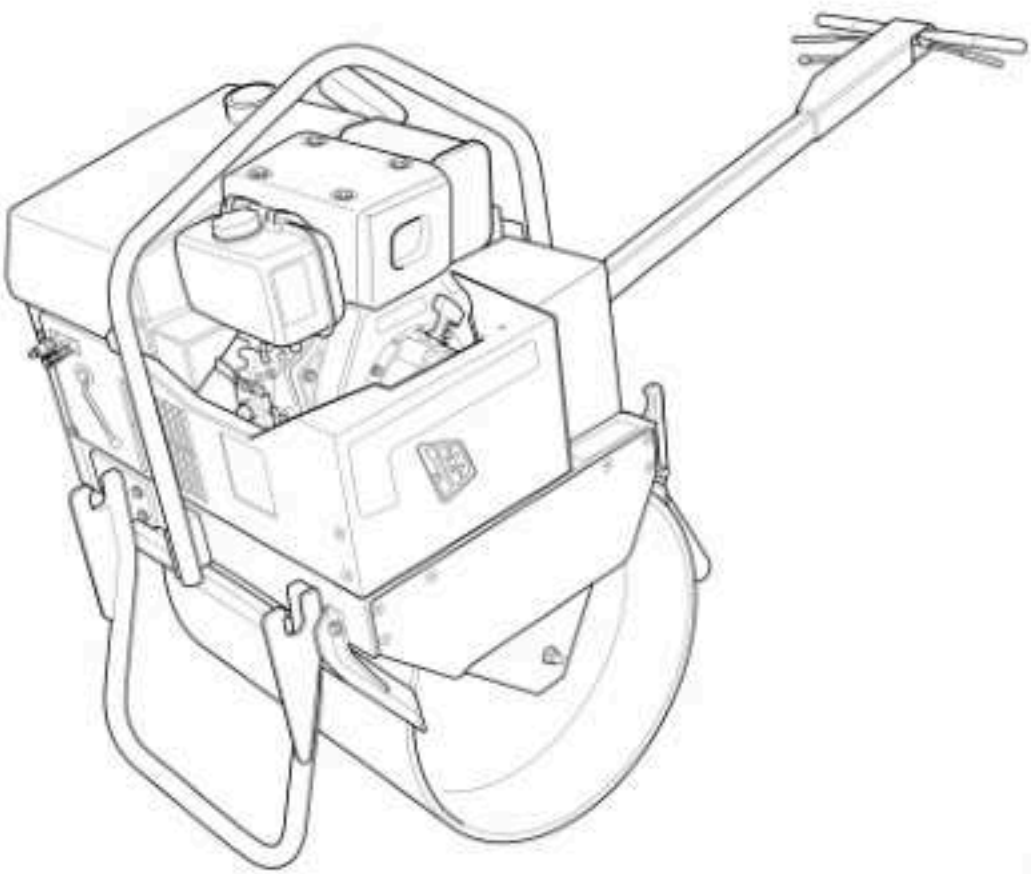
Section E - Hydraulics

Section F - Transmission

Section G - Brakes

Section K - Engine

Section L - Vibration



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Schematic Circuit

Electrical Schematic - All Machines

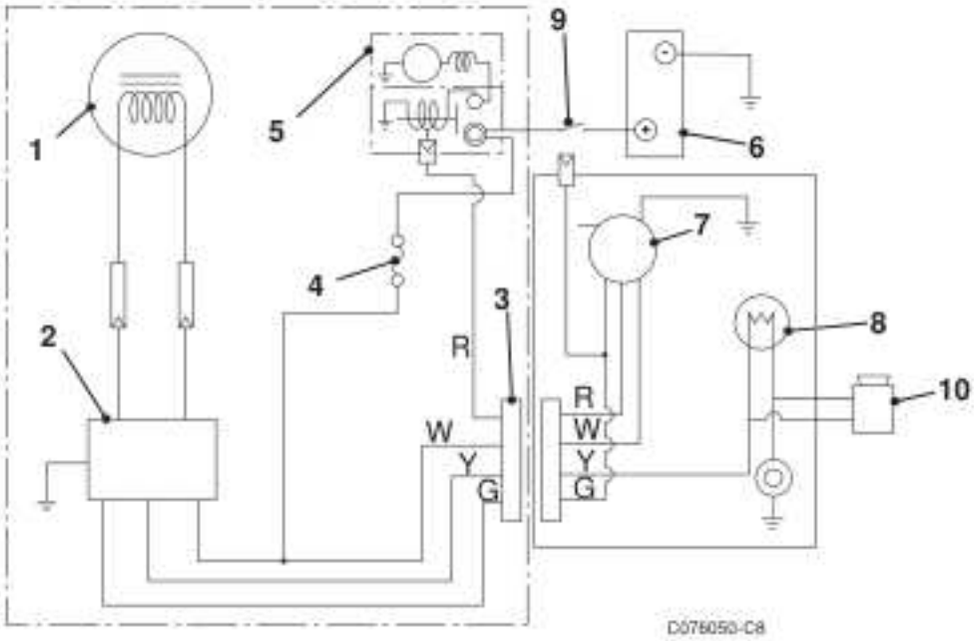


Fig 1.

Table 1.

Item	Description
1	Alternator
2	Regulator
3	Block Connector
4	Fuse 15 A
5	Starter Motor 0.8 kW
6	Battery 12 V
7	Starting Switch
8	Charge Warning Lamp
9	Battery Isolator Switch
10	Buzzer
R	Red wire
W	White Wire
Y	Yellow Wire
G	Green Wire

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Hydraulic System

The purpose of this section is to help you trace a particular fault. The tables identify possible causes and give a suggested action with specific tests where applicable.

1 Before you begin fault finding, read the fault finding safety information at the beginning of this section. Make sure you also read ***Section 2, Care and Safety.***

2 Make any relevant electrical checks before moving on to the hydraulics.

3 Make simple checks before say, stripping a major hydraulic component.

4 Make sure that the hydraulic fluid is at the correct working temperature (50°C, 122°F).

5 If hydraulic contamination is found, be sure to remove ALL debris, and if possible identify its origin. It may be part of a component from elsewhere in the hydraulic circuit.

6 What ever the fault, check the condition of the hydraulic fluid. Drain and replace if necessary.

7 Renew any seals such as O-rings when re-assembling hydraulic components.

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Yanmar L70 Engine

Table 3.

Engine variant	Yanmar L70
Fuel	Diesel
Weight (dry)	39 kg (86 lb)
Number of cylinders	1
Bore size	78 mm (3.071 in)
Stroke	62 mm (2.441 in)
Cylinder arrangement	Vertical
Cycle	4
Cooling	Forced air cooling by flywheel fan
Displacement	296 cc (18.06 cu in)
Compression ratio	19.5:1
Direction of rotation (viewed from PTO shaft end)	Anticlockwise
Combustion System	Direct Injection System
Lubrication	Forced via pump; splash for valve rocker arm chamber.
Output -Continuous	4.4 kW (6.0 hp)
Output - Maximum	4.9 kW (6.7 hp)
Lubricating Oil Capacity	1.1 Litres (0.24 gal)

For further information about the Yanmar engine, refer to the Yanmar engine service manual.

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