SERVICE MANUAL

ROLLER

JCB116, JCB116D, JCB116DD, VM116

EN - 9813/7700 - ISSUE 3 - 09/2017

This manual contains original instructions, verified by the manufacturer (or their authorized representative).

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Foreword

The Operator's Manual

> ⚠
> You and others can be killed or seriously injured if you operate or maintain the machine without first studying the Operator's Manual. You must understand and follow the instructions in the Operator's Manual. If you do not understand anything, ask your employer or JCB dealer to explain it.

Do not operate the machine without an Operator's Manual, or if there is anything on the machine you do not understand.

Treat the Operator's Manual as part of the machine. Keep it clean and in good condition. Replace the Operator's Manual immediately if it is lost, damaged or becomes unreadable.

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01 - Machine

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Table 30. Engine - Starts Then Stops

Cause	Remedy
No fuel in supply tank.	Check the level in the fuel tank, use sight gauge or dipstick. Replenish as required.
Engine starting under load.	Check for added loading from malfunctioning accessories or driven units, brakes dragging and other changes in vehicle loading. Disengage the hydraulic controls.
Air intake or exhaust system blocked.	Visually check the air intake and exhaust system for blockage or obstruction - remove as required. Check the air filter elements for signs of blocking - replace as required.
Fuel is aerated.	Check the fuel system for loose connections and possible air ingress points. Rectify and bleed the fuel system.
Fuel lift pump not operating correctly (fuel supply inadequate).	Check that the lift pump is operating and delivering fuel to the injection pump.
Fuel is waxing due to extremely cold weather.	Verify by inspecting the fuel filter. Clean the system and use acclimatised fuel.
Fuel is contaminated or incorrect grade diesel fuel used.	Stop the engine. Replace the fuel filters. Operate the engine with a temporary supply of the correct grade of clean fuel. Monitor the engine performance. Dirty fuel will cause damage to the high pressure fuel pump and injectors.
Fuel filter(s) blocked, fuel supply restricted.	Check/replace the fuel filter(s). Check fuel lines for restriction.
Fuel drain return line blocked, not connected properly.	Verify that the fuel return lines are not obstructed and connected to the top of the fuel tank.
Electrical sensor fault.	Check the electrical connections at the sensors.

Table 31. Engine - Poor Running

Cause	Remedy
Condition only occurs at idle.	For possible poor running at idle faults. See Also: Table 32. Engine - Poor Running at Idle
Engine is cold, coolant temperature sensor fault.	Check the electrical connection at the coolant sensor. Check the correct electrical wires for open or short circuits.
Fuel injection lines leaking.	Replace defective fuel lines. Do not repair defective fuel lines. If there is a fuel leak remove and discard the necessary components and install new ones.
Fuel is aerated.	Check the fuel system for loose connections and possible air ingress points. Rectify and bleed the fuel system
Fuel lift pump not operating correctly (fuel supply inadequate).	Check that the lift pump operates and delivers fuel to the high pressure fuel pump. Check the correct electrical wires for open or short circuits. Check fuses.
Fuel filter(s) blocked, fuel supply restricted.	Check/replace the fuel filter(s). Check fuel lines for restriction.
Fuel is contaminated or incorrect grade diesel fuel used.	Stop the engine. Replace the fuel filters. Operate the engine with a temporary supply of the correct grade of clean fuel. Monitor the engine performance. Dirty fuel will cause damage to the high pressure fuel pump and injectors.
Engine is cold - Thermostat fault.	Drain Coolant, Remove and replace Thermostat.

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09 - Front Drum

Technical Data

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Table 122. Technical Data

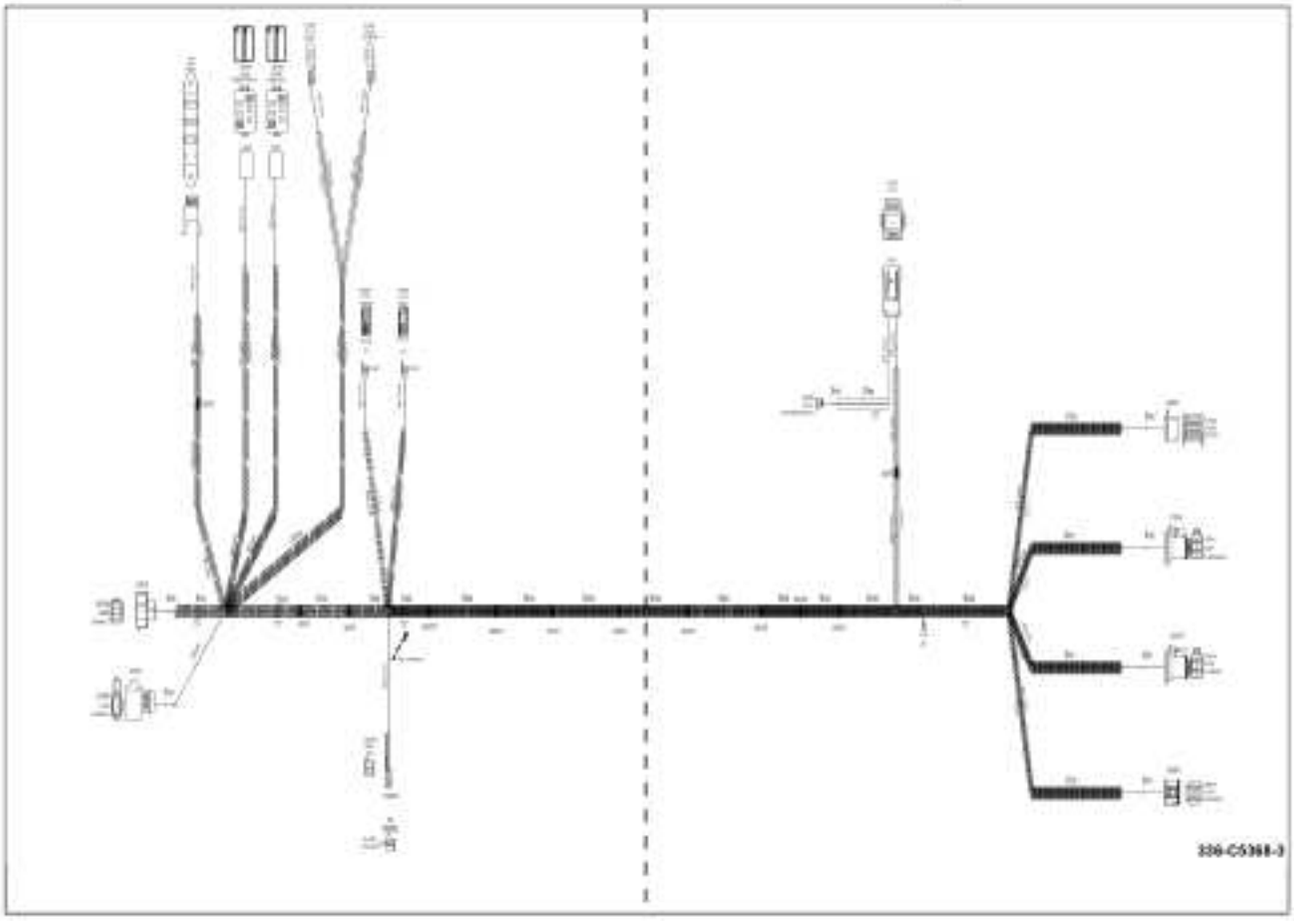
Description	Value
Type	Gearbox with brake and hydraulic motor adaptor
Application	Soil compacter, Drum traction drive
Gearbox type	Planetary
Gear ratio	1:79.4
Input speed	1279-2929RPM (Revolutions Per Minute)
Gear output torque	16,247–5,290N·m
Gear box output speed	16.1-39.9RPM
Dry weight	113kg
Oil quantity	2litre

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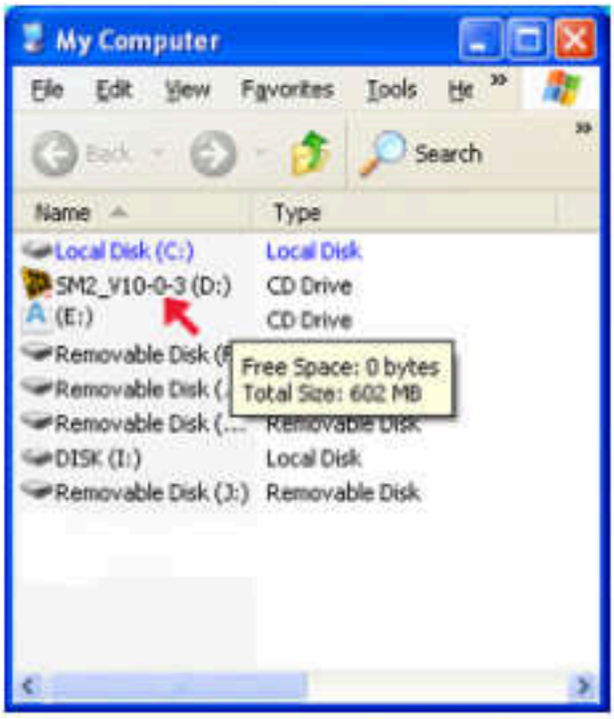
Figure 392. 336/C5368 Issue 3 Sheet 1 Cabin Fuse and Relay Harness

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Figure 491.



4. Select and open the "Setup.exe" application.
5. A new window "JCB Servicemaster Setup" will appear on the screen.
   5.1. Click the "Install V10.0.3" option to start the setup application. Refer to Figure 492.

Figure 492.



6. A new window "Select Setup Language" will appear on the screen. Refer to Figure 493.
   6.1. Use the drop down option to select the suitable language.
   6.2. Click the "OK" option to confirm selected language.

Figure 493.



7. A warning message window will appear on the screen. Refer to Figure 494.
   7.1. Click the "OK" option.

Figure 494.



8. A new window "JCB Servicemaster Installation Wizard" will appear on the screen. Refer to Figure 495.
   8.1. Click the "Next" option to proceed.

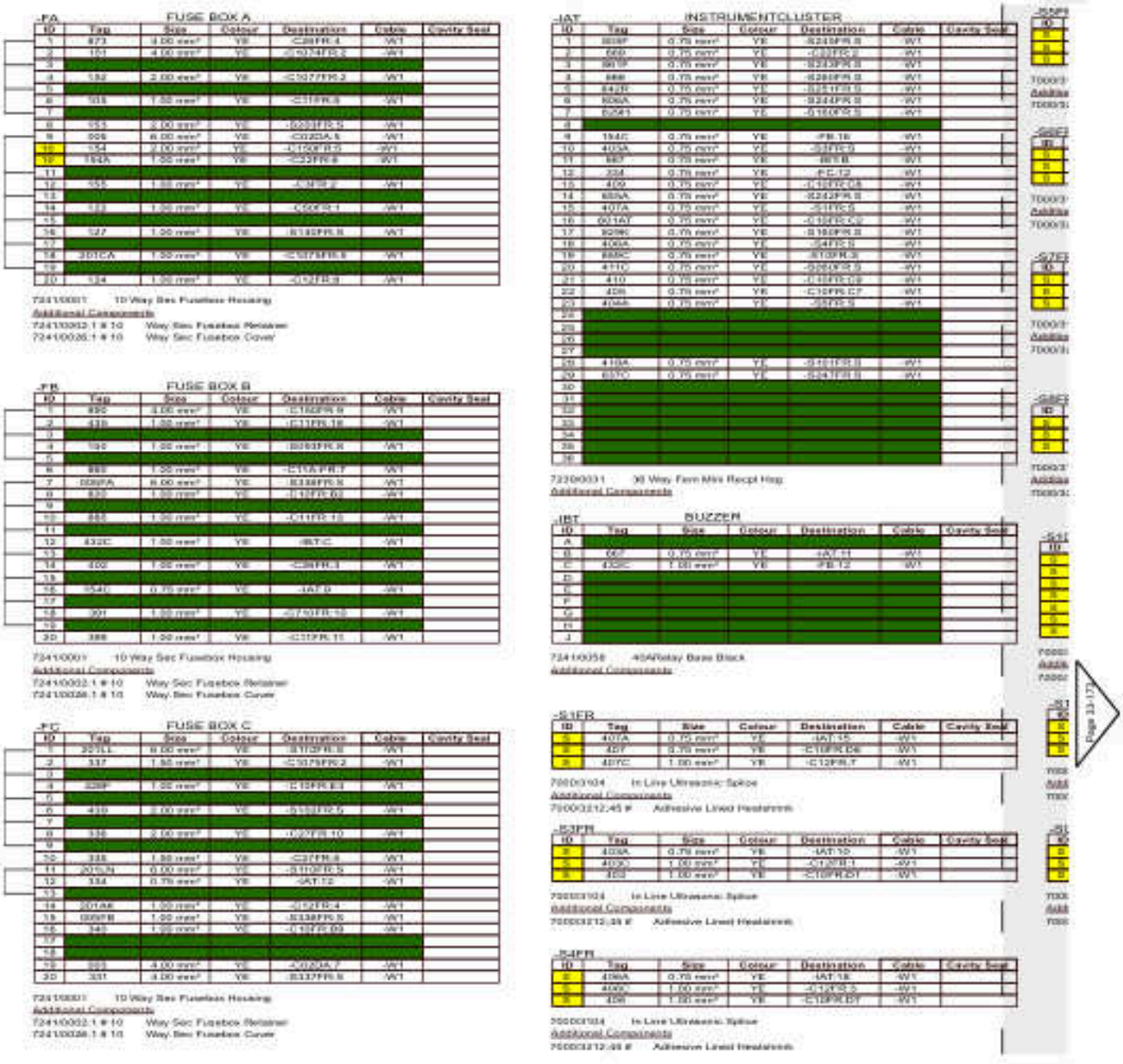
Figure 495.



9. Put "User Name" and "Organization" details into the "Customer Registration" screen. Refer to Figure 496.
   9.1. Click the "Next" option when you inserted details.

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Figure 408. (Part 1 of 2)



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