SERVICE MANUAL

COMPACT EXCAVATOR

15C-1, 16C-1, 18Z-1, 19C-1, 19C-1 PC

EN - 9813/7900 - ISSUE 2 - 05/2018

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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Table 23. Warning YELLOW light turn on

Cause	Remedy
ECM (Engine Control Module)has detected malfunctions	Contact JCB Service

Table 24. The engine does not start

Cause	Remedy
Sulphated/corroded battery terminals	Clean the battery terminals
Battery voltage too low	Recharge or replace the battery
Low fuel level	Refuel
Frozen fuel	Contact JCB Service
Clogged fuel filter	Replace the filter
Air suction in fuel system	Contact JCB Service
Clogged air filter	Replace the filter
Clogged pipes	Contact JCB Service
Open fuse	Replace with a new fuse, if the problem persists, contact JCB Service
Intake or exhaust system clogged	Contact JCB Service

Table 25. Engine starts but stops

Cause	Remedy
Inefficient electrical connections	Clean the electrical contacts, if the problem persists, contact JCB Service
Sulphated battery terminals	Clean the battery terminals
Clogged fuel filter	Replace the filter and clean the tank
Clogged fuel pipes	Contact JCB Service

Table 26. RPM (Revolutions Per Minute) instability at idle speed

Cause	Remedy
Clogged fuel pipes	Contact JCB Service

Table 27. Low idle speed

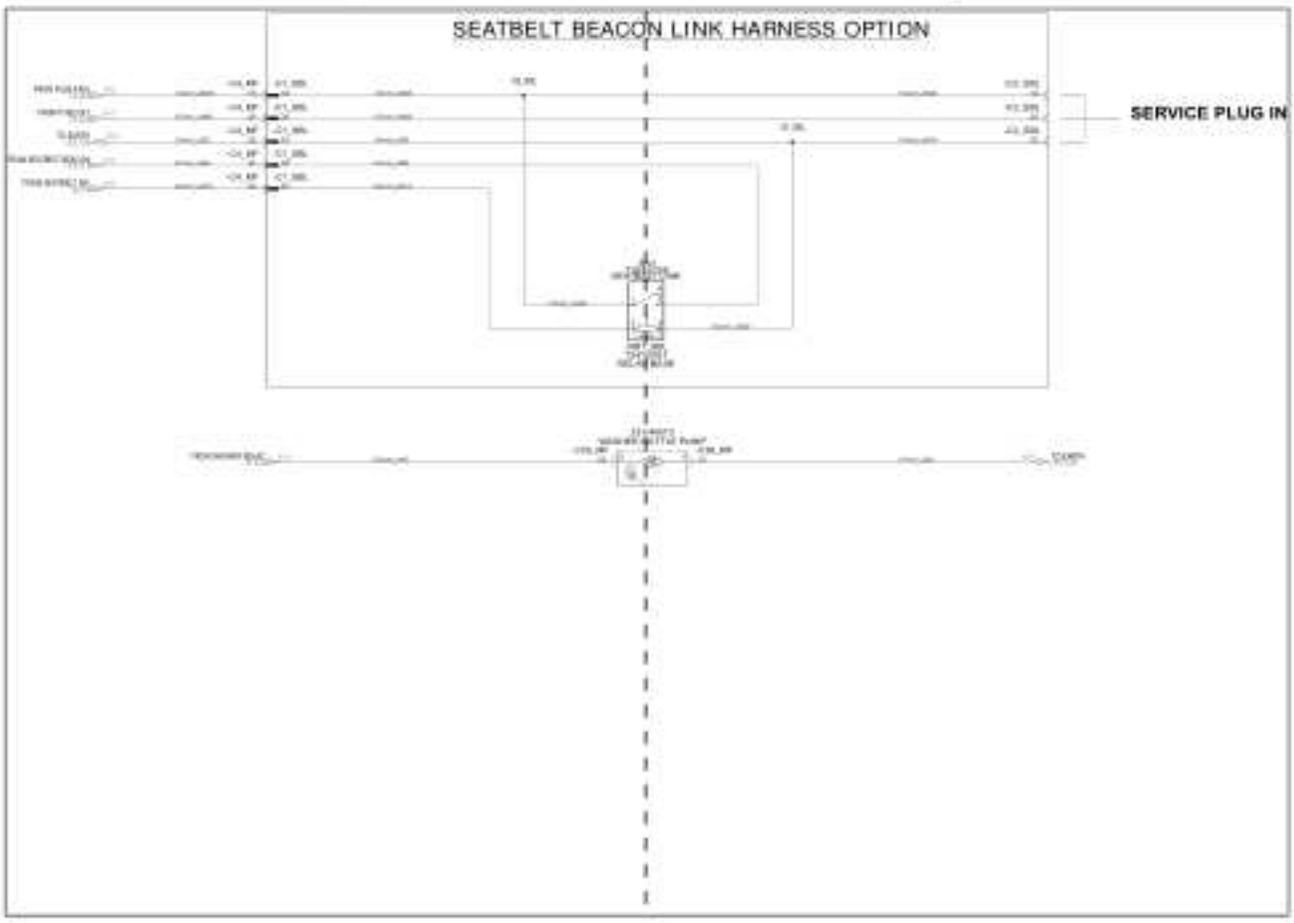
Cause	Remedy
Clogged fuel pipes	Contact JCB Service
Poor quality fuel	Clean the tank and refuel with quality fuel

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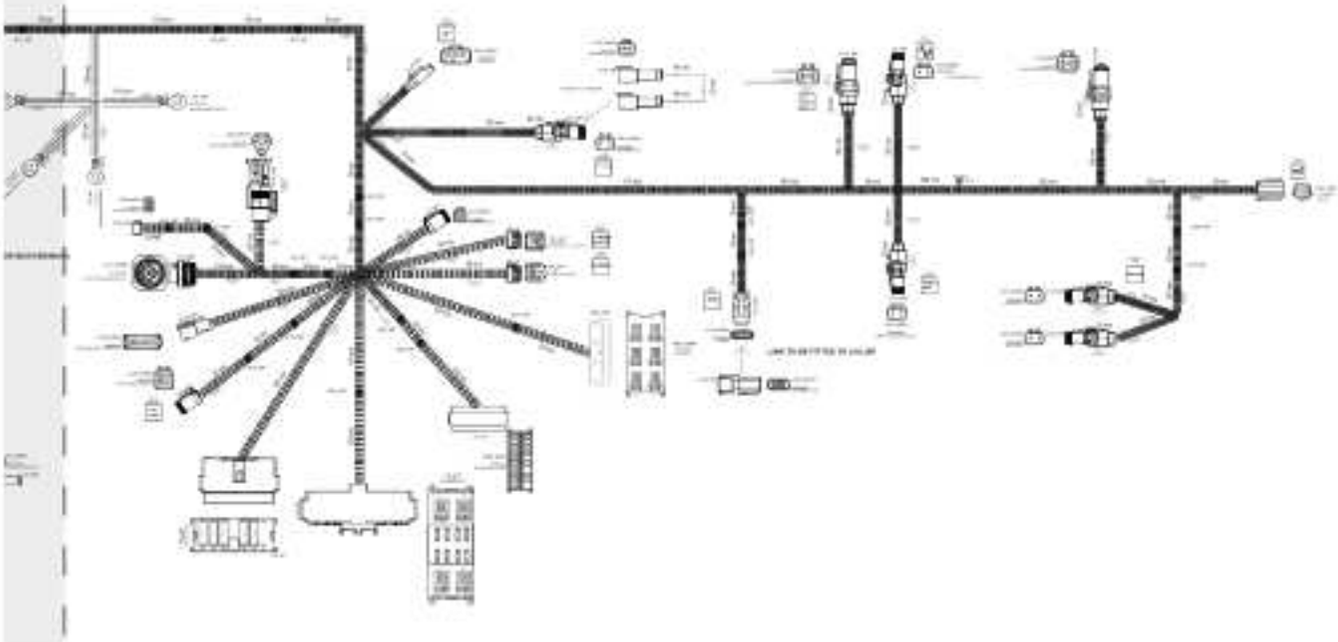
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Remove and Install

For: 18Z-1 [T3], 18Z-1 [T4F], 19C-1 PC [T3], 19C-1 [T3], 19C-1 [T4F] ..... Page 06-14
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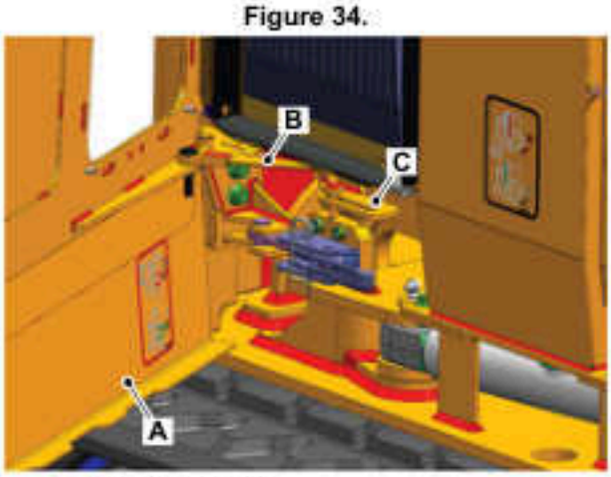
(For: 18Z-1 [T3], 18Z-1 [T4F], 19C-1 PC [T3], 19C-1 [T3], 19C-1 [T4F])

Right Side Cover

Remove

1. Make the machine safe.
   Refer to: PIL 01-03.
2. Open the right hand side cover.
3. Disconnect the right side cover stay bar.

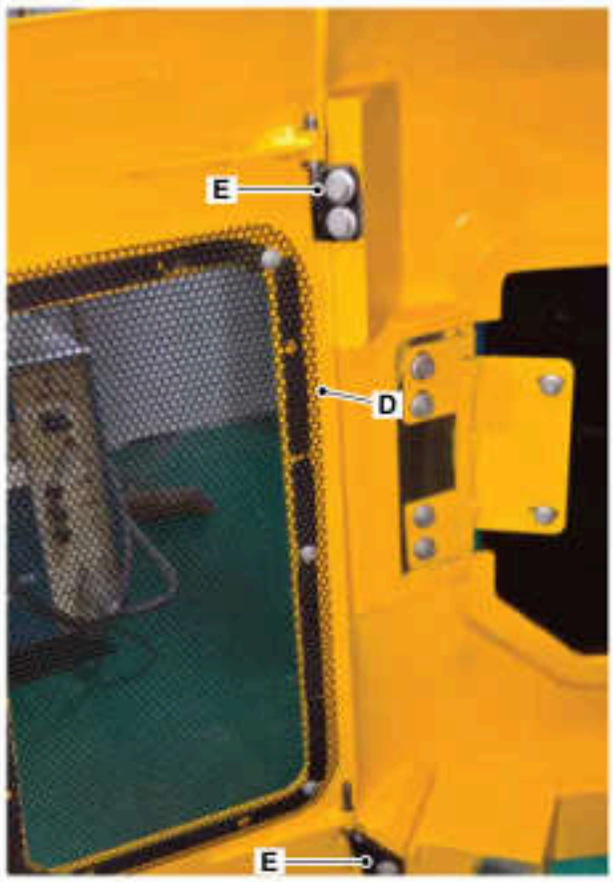
Figure 34.



A Right side cover
B Stay bar
C Stay bar retaining bracket

4. Lift the right side cover off the hinges and remove it from the machine.

Figure 35.



D Right side cover
E Hinges

Install

1. The installation procedure is the opposite of the removal procedure.

(For: 15C-1 [T3], 16C-1 [T3])

Right Side Cover

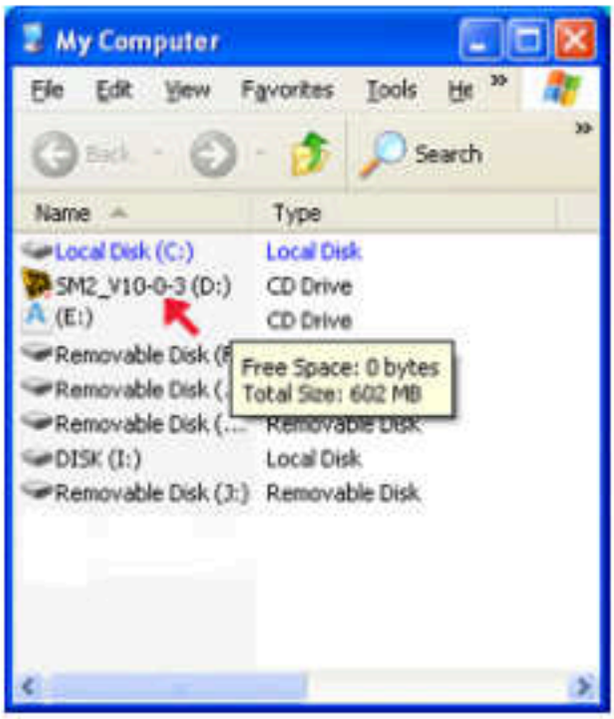
Remove

1. Make the machine safe.
   Refer to: PIL 01-03.
2. Open the right side cover.
3. Disconnect the right side cover stay bar.

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3. Select and open the "SM2_V10-0-3 (D:)" CD drive to explore its contents. Refer to Figure 685.

Figure 685.



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 686.

Figure 686.



6. A new window "Select Setup Language" will appear on the screen. Refer to Figure 687.

   6.1. Use the drop down option to select the suitable language.

   6.2. Click the "OK" option to confirm selected language.

Figure 687.



7. A warning message window will appear on the screen. Refer to Figure 688.

   7.1. Click the "OK" option.

Figure 688.



8. A new window "JCB Servicemaster Installation Wizard" will appear on the screen. Refer to Figure 689.

   8.1. Click the "Next" option to proceed.

Figure 689.



9. Put "User Name" and "Organisation" details into the "Customer Registration" screen. Refer to Figure 690.

   9.1. Click the "Next" option when you inserted details.

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