SERVICE MANUAL

**225, 225T, 260, 260T,
280, 300, 300T, 320T, 330**

EN - 9813/2300 - ISSUE 2 - 07/2015

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

Copyright 2015 © JCB SERVICE
All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any other means, electronic, mechanical, photocopying or otherwise, without prior permission from JCB SERVICE.

www.jcb.com

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.

Contents

01 - Machine

03 - Attachments

06 - Body and Framework

09 - Operator Station

12 - Heating, Ventilating and Air-Conditioning (HVAC)

15 - Engine

18 - Fuel and Exhaust System

21 - Cooling System

24 - Brakes

27 - Driveline

30 - Hydraulic System

33 - Electrical System

72 - Fasteners and Fixings

75 - Consumable Products

78 - After Sales

MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track Load... Order the manual at mid-west-tech.com >

01 - Machine

Contents **Page No.**

01-03 Safety
- 01-03-03 Safety - Yours and Others 01-3
- 01-03-06 Safety Warnings 01-4
- 01-03-09 General Safety 01-5
- 01-03-12 Maintenance Safety 01-6
- 01-03-18 Operating Safety 01-8
- 01-03-21 Worksite Safety 01-10
- 01-03-24 Risk Assessment 01-11
- 01-03-27 Maintenance Positions 01-12

01-09 Description
- 01-09-12 Main Component Locations 01-17

MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >

03 - Safety

Contents **Page No.**

01-03-03 Safety - Yours and Others 01-3
01-03-06 Safety Warnings 01-4
01-03-09 General Safety 01-5
01-03-12 Maintenance Safety 01-6
01-03-18 Operating Safety 01-8
01-03-21 Worksite Safety 01-10
01-03-24 Risk Assessment 01-11
01-03-27 Maintenance Positions 01-12

MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >

03 - Attachments

Contents **Page No.**

03-00 General
- 03-00-00 General 03-3

03-09 Lift Arm Quickhitch
- 03-09-00 General 03-7
- 03-09-03 Mechanical Quickhitch 03-9
- 03-09-09 Electronic Quickhitch 03-11

03-30 Shovel
- 03-30-00 General 03-15

MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >

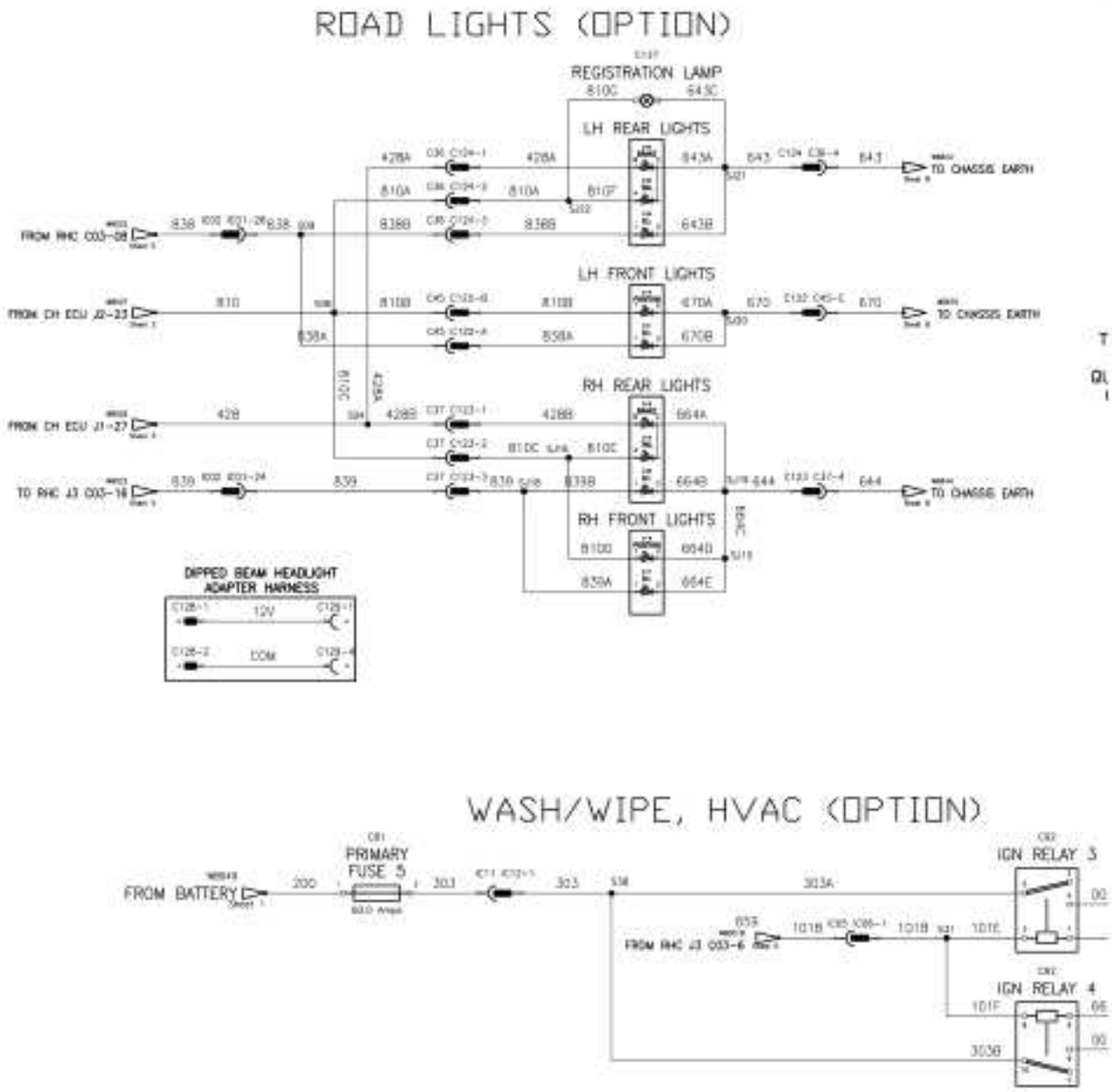
Technical Data

Table 56. Rocker Levers, Rocker Shafts and Tappets Data

Valve clearances measured at the valve bridge piece tip of the rockers (measured cold):	
- Inlet	0.19–0.27mm
- Exhaust	0.56–0.64mm
Rocker clearances measured at the adjusting screw tip of the rockers (measured cold):	
- Inlet	0.15–0.2mm
- Exhaust	0.43–0.5mm
Rocker lever bore diameter	
- min	26.058mm
- max	26.092mm
Rocker shaft diameter	
- min	26.003mm
- max	26.021mm
Tappets stem diameter	
- min	19.975mm
- max	19.985mm
Tappet bore diameter	
- min	20mm
- max	20.021mm
Tappet height (maximum)	55.25mm

MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >

Figure 622. (Part 1 of 2)

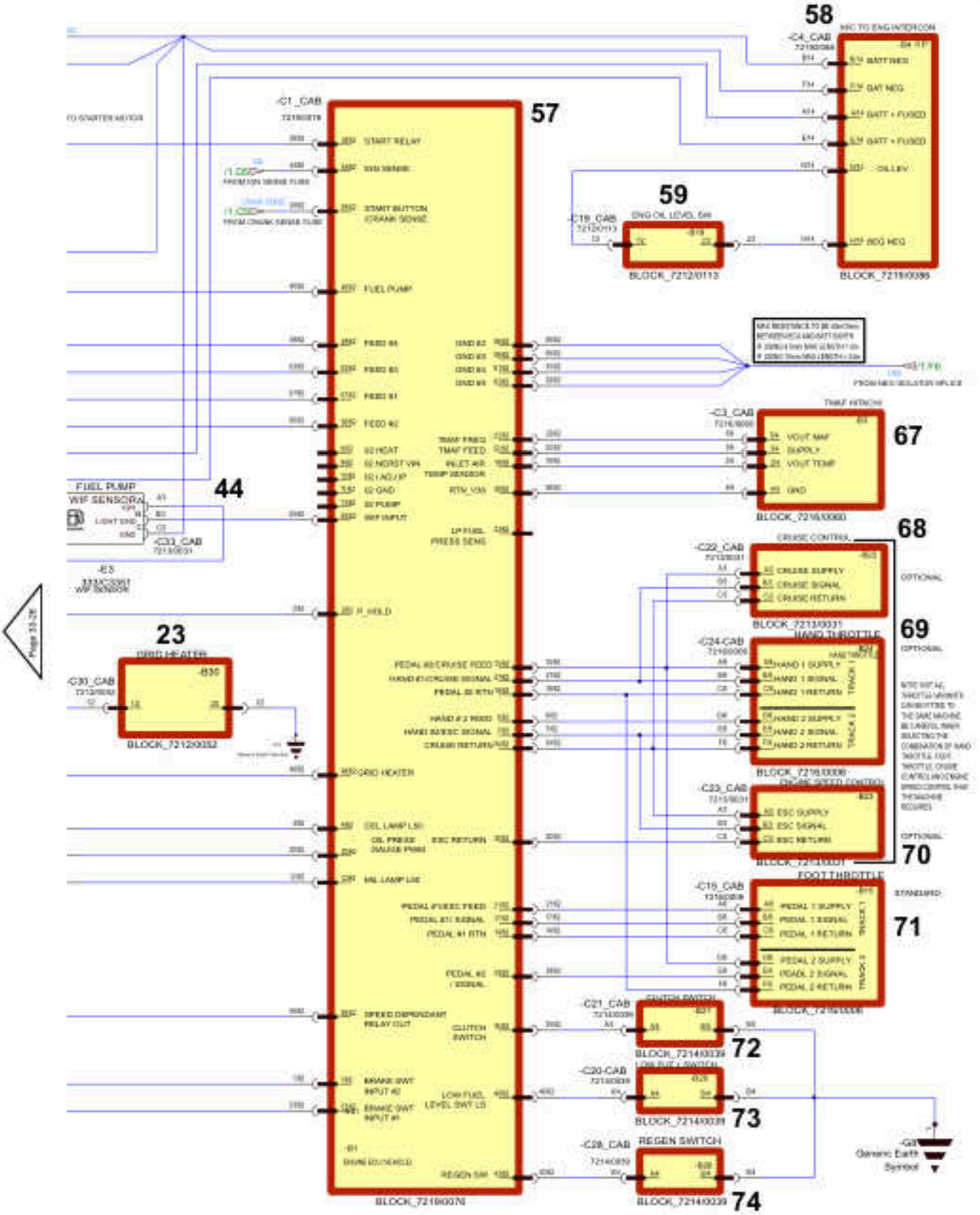


MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >

Fault Code	Cause	Remedy
C131	Short circuit to positive connection at Quick Hitch B	Check Quick Hitch B
C134	Short circuit to positive connection at SRS Solenoid 1	Check SRS Solenoid 1
C135	Short circuit to positive connection at Two-Speed Solenoid	Check Two-Speed Solenoid
C136	Short circuit to positive connection at LH Turn signal	Check LH Turn signal
C137	Short circuit to positive connection at RH Turn signal	Check RH Turn signal
C140	Short circuit to positive connection at Transmission Pilot Solenoid	Check Transmission Pilot Solenoid
C141	Short circuit to positive connection at Crowd Solenoid	Check Crowd Solenoid
C142	Short circuit to positive connection at Dump Solenoid	Check Dump Solenoid
C143	Short circuit to positive connection at Float Transducer	Check Float Transducer
C144	Short circuit to positive connection at Lower Solenoid	Check Lower Solenoid
C145	Short circuit to positive connection at Transmission X1F Solenoid	Check Transmission X1F Solenoid
C146	Short circuit to positive connection at Park brake Transducer	Check Park brake Transducer
C147	Short circuit to positive connection at Transmission X2F Solenoid	Check Transmission X2F Solenoid
C150	Short circuit to positive connection at Raise Solenoid	Check Raise Solenoid
C151	Short circuit to positive connection at Transmission X1R Solenoid	Check Transmission X1R Solenoid
C152	Short circuit to positive connection at Transmission X2R Solenoid	Check Transmission X2R Solenoid
C156	Short circuit to positive connection at Starter relay	Check Starter relay
C157	Short circuit to positive connection at Reverse Alarm	Check Reverse Alarm
C158	Short circuit to positive connection at Brake Light	Check Brake Light
C171	Short circuit to positive connection at Auxiliary Roller	Check Auxiliary Roller
C196	Short circuit to positive connection at SRS Solenoid 2	Check SRS Solenoid 2
C197	Short circuit to positive connection at SRS Solenoid 3	Check SRS Solenoid 3
C198	Short circuit to positive connection at Reversing Fan Solenoid	Check Reversing Fan Solenoid
C211	Short circuit to negative connection at Fuel Sender	Check Fuel Sender
C214	Short circuit to negative connection at Hydraulic Oil Temp Sender	Check Hydraulic Oil Temp Sender
C216	Short circuit to negative connection at Fan Solenoid	Check Fan Solenoid
C217	Short circuit to negative connection at High Flow Solenoid	Check High Flow Solenoid

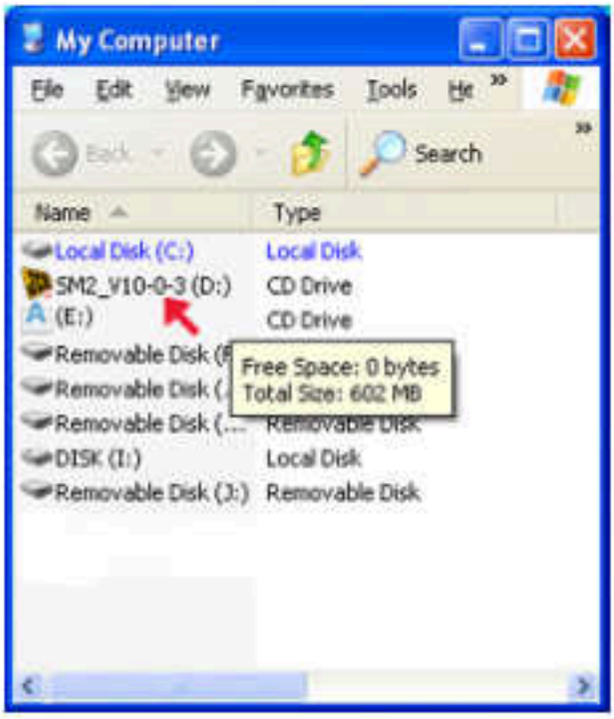
MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >

Figure 611. (Part 2 of 2)



MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >

Figure 757.



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 758.

Figure 758.



6. A new window "Select Setup Language" will appear on the screen. Refer to Figure 759.
   6.1. Use the drop down option to select the suitable language.
   6.2. Click the "OK" option to confirm selected language.

Figure 759.



7. A warning message window will appear on the screen. Refer to Figure 760.
   7.1. Click the "OK" option.

Figure 760.



8. A new window "JCB Servicemaster Installation Wizard" will appear on the screen. Refer to Figure 761.
   8.1. Click the "Next" option to proceed.

Figure 761.



9. Put "User Name" and "Organization" details into the "Customer Registration" screen. Refer to Figure 762.
   9.1. Click the "Next" option when you inserted details.

MidWestTech | JCB 225, 225T, 260, 260T, 280, 300, 300T, 320T, 330 Compact Track L... Order the manual at mid-west-tech.com >