

# SERVICE MANUAL

## E33C Mini Excavator

**Part number 48139718**  
English  
May 2017





# **SERVICE MANUAL**

**E33C Canopy - Tier IV final engine**

# Contents

---

## INTRODUCTION

Engine.....	10
[10.001] Engine and crankcase .....	10.1
[10.106] Valve drive and gears .....	10.2
[10.101] Cylinder heads .....	10.3
[10.105] Connecting rods and pistons.....	10.4
[10.103] Crankshaft and flywheel.....	10.5
[10.216] Fuel tanks .....	10.6
[10.206] Fuel filters .....	10.7
[10.218] Fuel injection system.....	10.8
[10.202] Air cleaners and lines .....	10.9
[10.501] Exhaust Gas Recirculation (EGR) exhaust treatment.....	10.10
[10.400] Engine cooling system .....	10.11
[10.414] Fan and drive .....	10.12
[10.304] Engine lubrication system.....	10.13
Hydraulic systems.....	35
[35.000] Hydraulic systems.....	35.1
[35.300] Reservoir, cooler, and filters.....	35.2
[35.106] Variable displacement pump .....	35.3
[35.359] Main control valve.....	35.4
[35.357] Pilot system .....	35.5
[35.355] Hydraulic hand control .....	35.6
[35.356] Hydraulic foot control.....	35.7
[35.352] Hydraulic swing system .....	35.8
[35.353] Hydraulic travel system .....	35.9
[35.354] Hydraulic central joint .....	35.10
[35.736] Boom hydraulic system .....	35.11

[35.737] Dipper hydraulic system.....	35.12
[35.738] Excavator and backhoe bucket hydraulic system.....	35.13
[35.734] Tool quick coupler hydraulic system .....	35.14
[35.360] Hammer and rotating bucket hydraulic system .....	35.15
[35.739] Swing arm hydraulic system .....	35.16
[35.741] Dozer blade cylinders .....	35.17
<b>Frames and ballasting .....</b>	<b>39</b>
[39.140] Ballasts and supports .....	39.1
<b>Tracks and track suspension.....</b>	<b>48</b>
[48.130] Track frame and driving wheels.....	48.1
[48.100] Tracks .....	48.2
[48.134] Track tension units .....	48.3
[48.138] Track rollers .....	48.4
<b>Electrical systems .....</b>	<b>55</b>
[55.000] Electrical system .....	55.1
[55.100] Harnesses and connectors.....	55.2
[55.525] Cab engine controls.....	55.3
[55.015] Engine control system.....	55.4
[55.201] Engine starting system .....	55.5
[55.301] Alternator.....	55.6
[55.302] Battery.....	55.7
[55.011] Fuel tank system .....	55.8
[55.014] Engine intake and exhaust system.....	55.9
[55.012] Engine cooling system .....	55.10
[55.013] Engine oil system .....	55.11
[55.512] Cab controls.....	55.12
[55.524] Cab controls (Lift arm, Boom, Dipper, Bucket).....	55.13
[55.404] External lighting .....	55.14

[55.405] External lighting switches and relays .....	55.15
[55.408] Warning indicators, alarms, and instruments .....	55.16
<b>Booms, dippers, and buckets .....</b>	<b>84</b>
[84.910] Boom .....	84.1
[84.912] Dipper arm .....	84.2
[84.100] Bucket.....	84.3
<b>Dozer blade and arm.....</b>	<b>86</b>
[86.110] Dozer blade .....	86.1
<b>Platform, cab, bodywork, and decals .....</b>	<b>90</b>
[90.160] Cab interior trim and panels.....	90.1
[90.114] Operator protections .....	90.2
[90.120] Mechanically-adjusted operator seat.....	90.3
[90.100] Engine hood and panels .....	90.4

It's a preview. You can download the full file by clicking the link below.

<https://shopservicemanual.com/>

Service Manuals from 2\$