

SERVICE MANUAL

E57C Mini Excavator

Part number 51452095
English
March 2018





SERVICE MANUAL

E57C Cab - 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 |
| [10.254] Intake and exhaust manifolds and muffler | 10.10 |
| [10.501] Exhaust Gas Recirculation (EGR) exhaust treatment..... | 10.11 |
| [10.400] Engine cooling system | 10.12 |
| [10.414] Fan and drive | 10.13 |
| [10.304] Engine lubrication system..... | 10.14 |
| 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 |
| Pneumatic system | 36 |
| [36.100] Pneumatic system..... | 36.1 |
| Frames and ballasting | 39 |
| [39.140] Ballasts and supports | 39.1 |
| Tracks and track suspension | 48 |
| [48.100] Tracks | 48.1 |
| [48.130] Track frame and driving wheels..... | 48.2 |
| [48.134] Track tension units | 48.3 |
| [48.138] Track rollers | 48.4 |
| Cab climate control | 50 |
| [50.100] Heating..... | 50.1 |
| [50.200] Air conditioning..... | 50.2 |
| Electrical systems | 55 |
| [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 |
| [55.640] Electronic modules..... | 55.12 |
| [55.512] Cab controls..... | 55.13 |
| [55.036] Hydraulic system control | 55.14 |
| [55.524] Cab controls (Lift arm, Boom, Dipper, Bucket)..... | 55.15 |
| [55.518] Wiper and washer system..... | 55.16 |
| [55.404] External lighting | 55.17 |
| [55.514] Cab lighting | 55.18 |
| [55.408] Warning indicators, alarms, and instruments | 55.19 |
| [55.DTC] FAULT CODES..... | 55.20 |
| Booms, dippers, and buckets | 84 |
| [84.910] Boom | 84.1 |
| [84.912] Dipper arm | 84.2 |
| [84.100] Bucket..... | 84.3 |
| Dozer blade and arm..... | 86 |
| [86.110] Dozer blade | 86.1 |
| Platform, cab, bodywork, and decals | 90 |
| [90.150] Cab..... | 90.1 |
| [90.120] Mechanically-adjusted operator seat..... | 90.2 |
| [90.105] Machine shields and guards | 90.3 |

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

<https://shopservicemanual.com/>

Service Manuals from 2\$