CEAM014701

Operation & Maintenance Manual

PC270LL-7L

HYDRAULIC EXCAVATOR

SERIAL NUMBERS PC270LL-7L A86001 and up

ENGINE 6D102E-2

March 2016

KOMATSU®

MidWestTech | Komatsu PC270LL-7L Hydraulic Excavator Operation & Maintenance Manua... Order the manual at mid-west-tech.com >

TABLE OF CONTENTS

INTRODUCTION

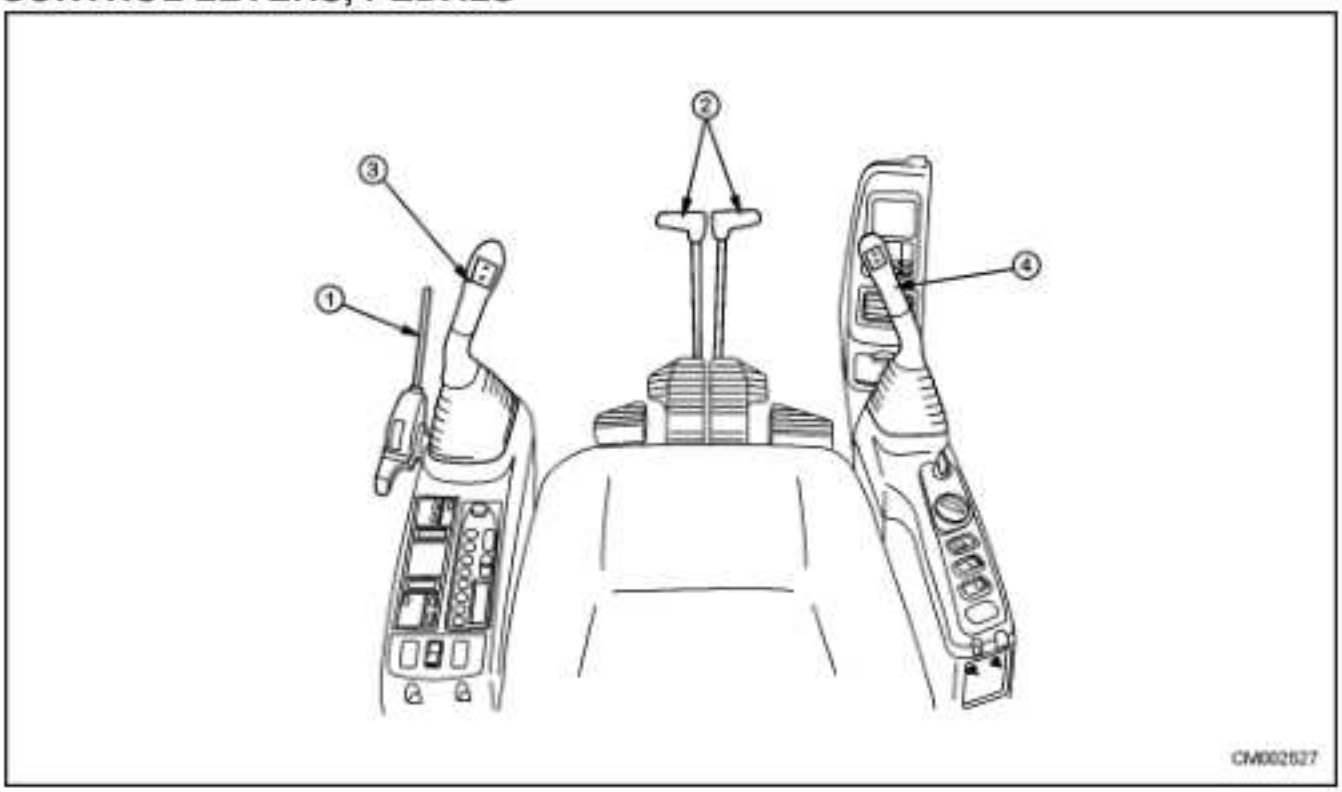
FOREWORD 0-2
SAFETY INFORMATION 0-3
SIGNAL WORDS 0-3
OTHER SIGNAL WORDS 0-3
INTRODUCTION 0-4
INTENDED USE 0-4
DIRECTIONS OF MACHINE 0-4
BREAKING IN THE MACHINE 0-4
PRODUCT INFORMATION 0-5
MACHINE SERIAL NUMBER PLATE AND ITS LOCATION 0-5
ENGINE SERIAL NUMBER PLATE AND ITS LOCATION 0-5
SERVICE METER LOCATION 0-6
YOUR MACHINE SERIAL NUMBERS AND DISTRIBUTOR 0-6
TABLE OF CONTENTS 0-7

SAFETY

SAFETY LABELS 1-2
POSITION FOR ATTACHING SAFETY LABELS 1-2
UNIQUE SAFETY DECALS FOR LOG LOADER AND ROAD BUILDER EXCAVATORS . 1-8
SAFETY INFORMATION 1-14
SAFETY RULES 1-14
IF ABNORMALITIES ARE FOUND 1-14
WORKING WEAR AND PERSONAL PROTECTIVE ITEMS 1-14
FIRE EXTINGUISHER AND FIRST AID KIT 1-14
SAFETY EQUIPMENT 1-14
KEEP MACHINE CLEAN 1-15
KEEP OPERATOR'S COMPARTMENT CLEAN 1-15
LEAVING OPERATOR'S SEAT WITH LOCK 1-15
HANDRAILS AND STEPS 1-16
MOUNTING AND DISMOUNTING 1-16
NO PERSONS ON ATTACHMENTS 1-16
BURN PREVENTION 1-17
HOT COOLANT 1-17
HOT OIL 1-17
FIRE PREVENTION AND EXPLOSION PREVENTION 1-17
FIRE CAUSED BY FUEL OR OIL 1-17
FIRE CAUSED BY ACCUMULATION OF FLAMMABLE MATERIAL. 1-18
FIRE COMING FROM ELECTRIC WIRING 1-18
FIRE COMING FROM HYDRAULIC LINE 1-18
EXPLOSION CAUSED BY LIGHTING EQUIPMENT 1-18
ACTION IF FIRE OCCURS 1-18
WINDSHIELD WASHER FLUID 1-18
FALLING OBJECTS, FLYING OBJECTS AND INTRUDING OBJECTS PREVENTION ... 1-18
PROTECTION AGAINST FALLING OR FLYING OBJECTS 1-19

MidWestTech | Komatsu PC270LL-7L Hydraulic Excavator Operation & Maintenance Manua... Order the manual at mid-west-tech.com >

CONTROL LEVERS, PEDALS



1. Safety lock lever
2. Travel levers
3. Left work equipment control lever
4. Right work equipment control lever

SAFETY LOCK LEVER

WARNING

When leaving the operator's compartment, set the safety lock lever securely to the LOCK position. If the safety lock lever is not at the LOCK position and the control levers are touched by mistake, it may lead to serious personal injury.

If the safety lock lever is not placed securely at the LOCK position, the control lever may move and cause a serious accident or injury. Check that the condition of the lever is as shown in the diagram.

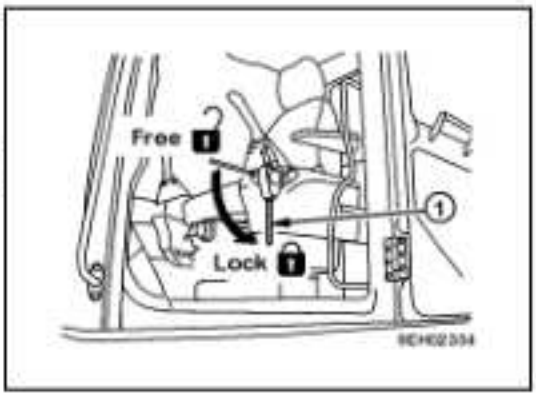
When pulling the safety lock lever up, be careful not to touch the work equipment control lever.

When pushing the safety lock lever down, be careful not to touch the work equipment control lever.

Lever (1) is a device, which locks the work, swing, and travel equipment, and attachment (if equipped) control levers.

Pull the lever up to apply the lock.

This lock lever is a hydraulic lock, so even if it is in the lock position, the work equipment control lever and travel lever will move, but the work equipment, travel motor, and swing motor will not work.



MidWestTech | Komatsu PC270LL-7L Hydraulic Excavator Operation & Maintenance Manua... Order the manual at mid-west-tech.com >

WEAR PARTS LIST

Wear parts such as the filter element, bucket tooth, etc. are to be replaced at the time of periodic maintenance or before their abrasion limits.

The wear parts should be changed as scheduled in order to use the machine economically.

For part change, Komatsu genuine parts should be used (excellent quality).

When ordering parts, please check the part number in the parts book and write them in the table below.

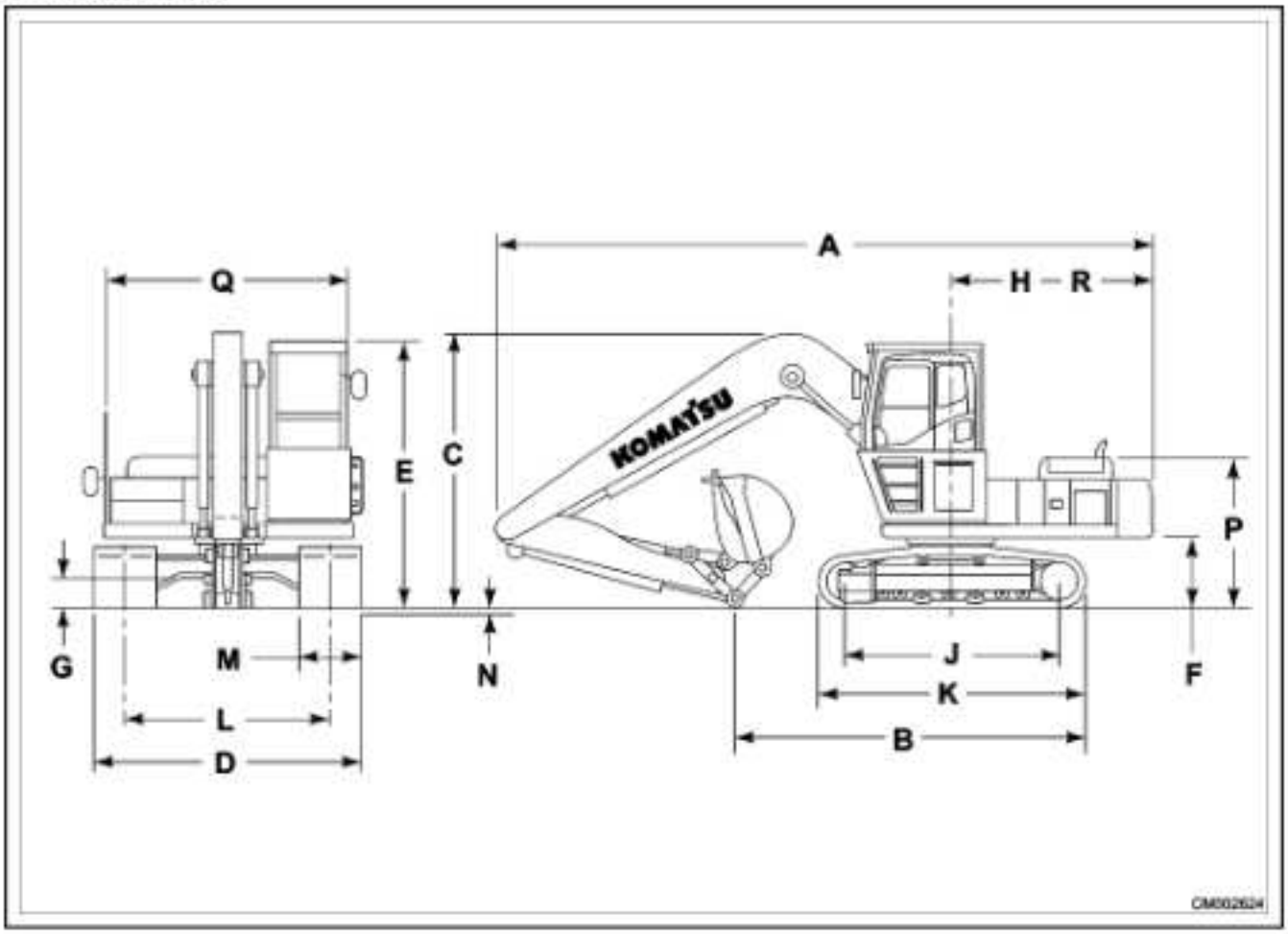
The parts in parentheses are to be replaced at the same time.

Item	Part No.	Part Name	Q'ty	Replacement frequency
Engine oil filter		Cartridge	1	Every 500 hours service
Fuel filter		Cartridge	1	Every 500 hours service
Additional fuel tank breather (Option)	07030-00252	Breather	1	Every 500 hours service
Hydraulic tank breather		Element	1	Every 500 hours service
Hydraulic oil filter		Element (O-ring)	1 (1)	Every 1000 hours service
Air cleaner		Element assembly	1	—
Additional filter for breaker (if equipped)		Element (O-ring)	1 (1)	—
Electric heater		Gasket	2	—

MidWestTech | Komatsu PC270LL-7L Hydraulic Excavator Operation & Maintenance Manua... Order the manual at mid-west-tech.com >

SPECIFICATIONS

DIMENSIONS



MidWestTech | Komatsu PC270LL-7L Hydraulic Excavator Operation & Maintenance Manua... Order the manual at mid-west-tech.com >