UEAM004904

Operation & Maintenance Manual

PC210-8
PC210LC, PC210NLC-8
PC230NHD-8
PC240LC, PC240NLC-8

HYDRAULIC EXCAVATOR

SERIAL NUMBER

PC210, PC210LC, PC210NLC-8	- K50001 and up
PC230NHD-8	- K50001 and up
PC240LC, PC240NLC-8	- K50001 and up
PC240LC, PC240NLC-8	- 10001 and up

WARNING

Unsafe use of this machine may cause serious injury or death. Operators and maintenance personnel must read this manual before operating or maintaining this machine. This manual should be kept near the machine for reference and periodically reviewed by all personnel who will come into contact with it.

NOTICE

Komatsu has Operation & Maintenance Manuals written in some other languages. If a foreign language manual is necessary, contact your local distributor for availability.

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CONTENTS

FOREWORD

FOREWORD 1-4

SAFETY INFORMATION 1-5
- NOISE (PC210,210LC,210NLC, PC230NHD) 1-7
- NOISE (PC240LC,240NLC) 1-8
- VIBRATION LEVELS 1-9
  - GUIDE TO REDUCE VIBRATION LEVELS ON MACHINE 1-9

INTRODUCTION 1-11
- DIRECTIONS OF MACHINE 1-11
- BREAKING-IN THE NEW MACHINE 1-12

PRODUCT INFORMATION 1-13
- PRODUCT IDENTIFICATION NUMBER (PIN)/MACHINE SERIAL NO. PLATE 1-13
- ENGINE SERIAL NUMBER PLATE AND ITS LOCATION 1-13
- SERVICE METER LOCATION 1-14
- TABLE TO ENTER SERIAL NO. AND DISTRIBUTOR 1-14
- MACHINE SERIAL PLATES 1-15
  - STANDARD SERIAL PLATE 1-15

SAFETY

SAFETY INFORMATION 2-2

SAFETY LABELS 2-4
- LOCATION OF SAFETY LABELS 2-4
- SAFETY LABELS 2-5

SAFETY INFORMATION 2-12
- SAFETY RULES 2-12
- IF PROBLEMS ARE FOUND 2-12
- WORKING WEAR AND PERSONAL PROTECTIVE ITEMS 2-12
- FIRE EXTINGUISHER AND FIRST AID KIT 2-12
- SAFETY EQUIPMENT 2-13
- KEEP MACHINE CLEAN 2-13
- KEEP OPERATOR'S COMPARTMENT CLEAN 2-13
- LEAVING OPERATOR'S SEAT WITH LOCK 2-13
- HANDRAILS AND STEPS 2-14
- MOUNTING AND DISMOUNTING 2-15
- NO PERSONS ON ATTACHMENTS 2-15
- DO NOT GET CAUGHT IN ARTICULATED PORTION 2-15
- BURN PREVENTION 2-15

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ACTION IF FIRE OCCURS 2-17
WINDSHIELD WASHER FLUID 2-17
FALLING OBJECTS, FLYING OBJECTS AND INTRUDING OBJECTS PREVENTION 2-17
ATTACHMENT INSTALLATION 2-17
ATTACHMENT COMBINATIONS 2-18
CAB WINDOW GLASSES 2-18
UNAUTHORIZED MODIFICATIONS 2-18
SAFETY AT JOBSITE 2-18
WORKING ON LOOSE GROUND 2-18
DISTANCE TO HIGH VOLTAGE CABLES 2-19
ENSURE GOOD VISIBILITY 2-19
VENTILATION FOR ENCLOSED AREA 2-20
SIGNALMAN'S SIGNAL AND SIGNS 2-20
EMERGENCY EXIT FROM OPERATOR'S CAB 2-20
ELECTROMAGNETIC INTERFERENCE 2-20
ASBESTOS DUST HAZARD PREVENTION 2-21

SAFETY MACHINE OPERATION 2-22
STARTING ENGINE 2-22
CHECKS BEFORE STARTING ENGINE 2-22
SAFETY RULES FOR STARTING ENGINE 2-23
STARTING ENGINE IN COLD WEATHER 2-23
OPERATION 2-24
CHECKS BEFORE OPERATION 2-24
SAFETY RULES FOR CHANGING MACHINE DIRECTIONS 2-24
SAFETY RULES FOR TRAVELLING 2-25
TRAVELLING ON SLOPES 2-26
OPERATIONS ON SLOPES 2-27
PROHIBITED OPERATIONS 2-27
OPERATIONS ON SNOW 2-29
PARKING MACHINE 2-29
TRANSPORTATION 2-30
LOADING AND UNLOADING 2-30
SHIPPING THE MACHINE 2-31
BATTERY 2-32
STARTING ENGINE WITH BOOSTER CABLES 2-33
TOWING 2-34
SAFETY RULES FOR TOWING 2-34
LIFTING OBJECTS WITH BUCKET 2-35
SAFETY RULES FOR LIFTING OBJECTS 2-35

SAFETY MAINTENANCE INFORMATION 2-36
WARNING TAG 2-36
KEEP WORK PLACE CLEAN AND TIDY 2-36
APPOINT LEADER WHEN WORKING WITH OTHERS 2-36
STOP ENGINE BEFORE CARRYING OUT MAINTENANCE 2-37
TWO WORKERS FOR MAINTENANCE WHEN ENGINE IS RUNNING 2-38
PROPER TOOLS 2-38

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ACCUMULATOR 2-39
HANDLING GAS SPRING 2-39
PERSONNEL 2-40
ATTACHMENTS 2-40
WORK UNDER THE MACHINE 2-40
NOISE 2-41
WHEN USING HAMMER 2-41
WELDING WORKS 2-41
REMOVING BATTERY TERMINALS 2-41
SAFETY FIRST WHEN USING HIGH-PRESSURE GREASE TO ADJUST TRACK TENSION 2-42
DO NOT DISASSEMBLE RECOIL SPRINGS 2-42
SAFETY RULES FOR HIGH-PRESSURE OIL 2-42

OPERATION

MACHINE VIEW ILLUSTRATIONS 3-2
OVERALL MACHINE VIEW 3-2
CONTROLS AND GAUGES 3-3

DETAILED CONTROLS AND GAUGES 3-4
MONITORING SYSTEM 3-4
BASIC OPERATION OF MACHINE MONITOR 3-5
BASIC CHECK MONITORS 3-9
CAUTION MONITORS 3-11
EMERGENCY MONITORS 3-14
METER DISPLAY PORTION 3-16
MONITOR SWITCHES PORTION 3-23
HANDLING FUNCTION SWITCHES 3-32
SWITCHES 3-68
CONTROL LEVERS AND PEDALS 3-73
CEILING WINDOW 3-76
WINDSHIELD 3-76
EMERGENCY ESCAPE HAMMER 3-82
DOOR LOCK 3-82
CAP WITH LOCK 3-83
DRINK BOX 3-85
MAGAZINE BOX 3-85
ASHTRAY 3-85
AIR CONDITIONER CONTROLS 3-86
AIR CONDITIONER CONTROL PANEL 3-86
METHOD OF OPERATION 3-91
USE AIR CONDITIONER WITH CARE 3-98
AIR CONDITIONER MAINTENANCE 3-98
RADIO 3-99
CONTROL PANEL 3-99
CONTROLS OF RADIO 3-101
USE RADIO WITH CARE 3-103

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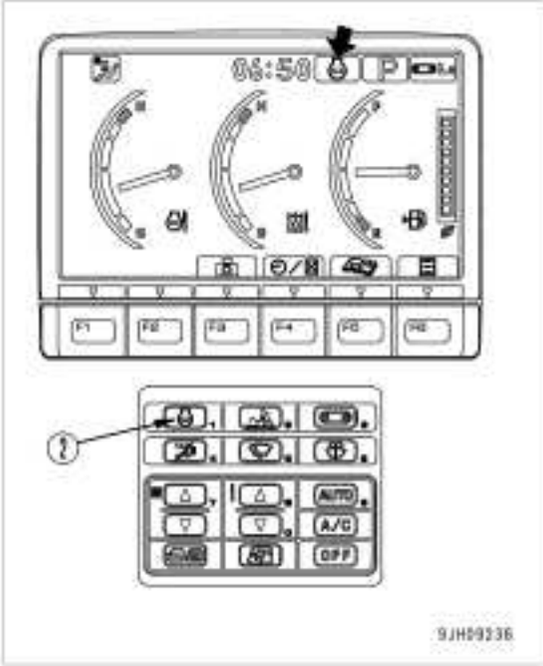
Auto-deceleration Switch

If the control levers are at neutral, this switch (2) automatically lowers the engine speed and turns on the function to reduce fuel consumption.

Pilot monitor on monitor display ON: Auto-acceleration ON

Pilot monitor on the monitor display OFF: Auto-acceleration OFF

Each time the switch is pressed, the auto-deceleration is switched between actuated and canceled.



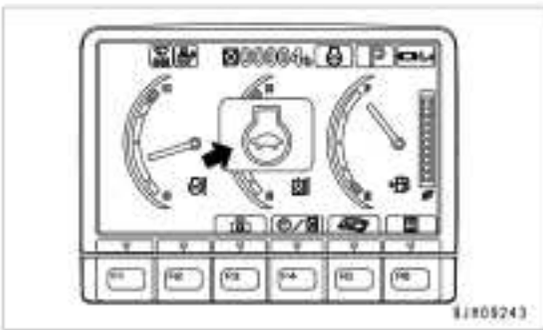
- Auto-deceleration function

  When the auto-deceleration function is ON, if the work equipment and travel levers are returned to the N position, the engine speed will drop after 4 seconds from the operating speed to idling speed.

  This makes it possible to reduce fuel consumption.

  If any lever is operated when the machine is in this condition, engine speed will return to the previous operating speed to make it possible to perform operations.

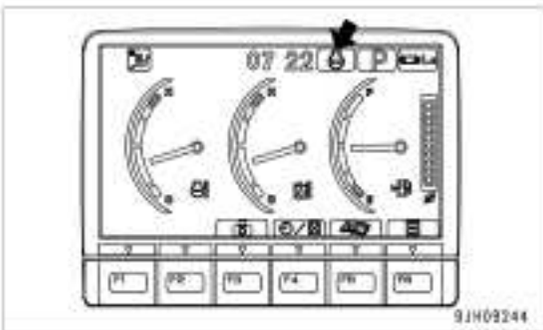
1. When auto-deceleration switch (2) is pressed and the auto-deceleration function is turned ON, the mode is displayed in the center of the monitor display, and after two seconds, the screen returns to the standard screen.



2. The pilot monitor of the monitor display for the standard screen is lighted up.

   On the standard screen, the pilot monitor lights up.

   (When the auto-deceleration is OFF, it does not light up.)



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EVERY 1000 HOURS MAINTENANCE

Maintenance for every 250 and 500 hours service should be carried out at the same time.

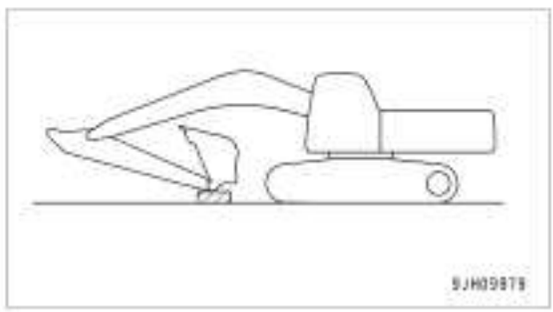
REPLACE HYDRAULIC OIL FILTER ELEMENT

⚠ WARNING

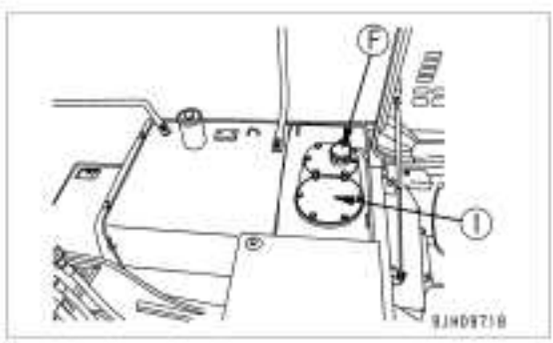
- **The parts and oil are at high temperature immediately after the engine is stopped, and may cause burns. Wait for the temperature to go down before starting the work.**
- **When removing the oil filler cap, turn it slowly to release the internal pressure, then remove it.**

NOTICE
If the machine is equipped with a hydraulic breaker, the hydraulic oil will deteriorate much faster than during normal bucket operations. For details, see "MAINTENANCE INTERVAL FOR HYDRAULIC BREAKER (4-20)"when carrying out maintenance.

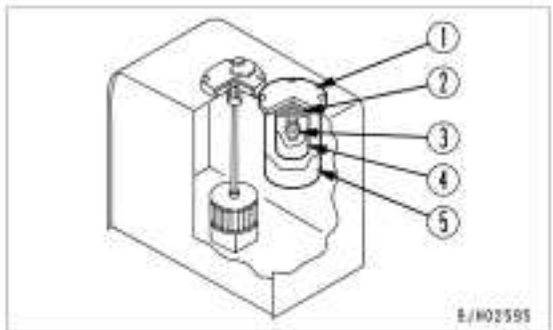
1. Set the work equipment on the hard and flat ground in the maintenance posture as shown in the figure, then lower it to the ground and stop the engine.



2. Remove the cap from oil filler (F), and release the internal pressure.
3. Loosen 6 bolts, then remove cover (1). When doing this, the cover may fly out under the force of spring (2), so hold the cover down when removing the bolts.
4. After removing spring (2), valve (3) and strainer (4), take out element (5).
   - Inspect the bottom of the filter case for dirt, and remove it, if any. Take good care then not to let fall the dirt into the hydraulic tank.



5. Clean the removed parts in diesel oil.
6. Install the new element in the place where old element (5) was installed.
7. Set valve (3), strainer (4) and spring (2) on top of the element.
8. Set cover (1) in position, push it down by hand, and install the cover with the mounting bolts.



9. Screw in the oil filler cap and install the cover.
10. To bleed the air, start the engine according to "STARTING ENGINE (3-123)" and run the engine at low idle for 10 minutes.
11. Stop the engine.

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	L	A / B	kg									
			MAX		7.5m		6.0m		4.5m		3.0m	
PC210	2.9m	7.5m	•2650	•2650			•4650	4350				
		6.0m	•2450	2450	•3700	2700	•5150	4300				
		4.5m	•2400	2000	4000	2650	•5450	4100	•6750	•6750		
		3.0m	•2450	1800	3900	2500	5750	3800	•9050	6150		
		1.5m	•2650	1700	3800	2350	5500	3450	8800	5400		
		0.0m	•2850	1700	3650	2250	5200	3200	8300	4950	•5900	•5900
		-1.5m	3150	1900	3600	2200	5050	3100	8100	4800	•8750	•8750
		-3.0m	3750	2300			5100	3100	•8000	4850	•8750	•8750
	2.4m	7.5m	•4250	3900			•4950	4150	•6650	•6650		
		6.0m	•3950	2800			•5450	4200	•6900	•6900		
		4.5m	3550	2250	4000	2600	•5800	4000	•7900	6600	•9550	•9550
		3.0m	3200	2000	3900	2450	5650	3700	9200	5900		
		1.5m	3100	1900	3750	2350	5400	3400	8600	5250		
		0.0m	3200	1950	3650	2250	5150	3200	8200	4900		
		-1.5m	3500	2150	3600	2200	5100	3100	8100	4850	•9350	•9350
		-3.0m	•3850	2700			•5150	3200	•7100	4950		
	1.8m	7.5m	•4750	•4750					•7400	7000		
		6.0m	•4300	3300			•5900	4050	•7600	6900		
		4.5m	4050	2600			5850	3900	•8800	6400	•10500	•10500
		3.0m	3650	2300	3850	2450	5600	3650	9100	5700		
		1.5m	3500	2200	3750	2350	5400	3400	8450	5100		
		0.0m	3650	2250	3700	2300	5200	3200	8200	4900		
		-1.5m	4100	2550			5200	3200	8200	4950		
		-3.0m										

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