KOMATSU

PC250-6 PC250LC-6

MACHINE MODEL

SERIAL NUMBER

PC250-6 PC250LC-6

10001 and up 10001 and up

- This shop manual may contain attachments and optional equipment that are not available
 in your area. Please consult your local Komatsu distributor for those items you may
 require. Materials and specifications are subject to change without notice.
- PC250, 250LC-6 mount the SA6D102 engine.
 For details of the engine, see the 102 Series Engine Shop Manual.

CONTENTS

		No. of page
01	GENERAL	. 01-1
10	STRUCTURE AND FUNCTION	. 10-1
20	TESTING AND ADJUSTING	. 20-1
30	DISASSEMBLY AND ASSEMBLY	. 30-1
40	MAINTENANCE STANDARD	. 40-1
90	OTHERS	90-1

00-2 PC250-6

SAFETY SAFETY NOTICE

SAFETYSAFETY NOTICE

IMPORTANT SAFETY NOTICE

Proper service and repair is extremely important for safe machine operation. The service and repair techniques recommended by Komatsu and described in this manual are both effective and safe. Some of these techniques require the use of tools specially designed by Komatsu for the specific purpose.

To prevent injury to workers, the symbol is used to mark safety precautions in this manual. The cautions accompanying these symbol should always be followed carefully. If any dangerous situation arises or malpolishly arise, first consider safety, and take the necessary actions to deal with the ituation.

GENERAL PRECAUTIONS

Mistakes in operation are extremely dangerous. Read the Operation and Mainte and Manual carefully BEFORE operating the paper in a.

- 1. Before carrying out an graing or repairs, read all the precautes yet on the decals which are fixed to the machine.
- 2. When carry is out any operation, always wear safety s' or s and helmet. Do not wear loose with othes, or clothes with buttons missing.
 - An and wear safety glasses when hitting parts vith a hammer.
 - Always wear safety glasses when grinding parts with a grinder, etc.
- 3. If welding repairs are needed, always have a trained, experienced welder carry out the work. When carrying out welding work, always wear welding gloves, apron, hand shield, cap and other clothes suited for welding work.
- 4. When carrying out any operation with two or more workers, always agree on the operating procedure before starting. Always inform your fellow workers before starting any step of the operation. Before starting work, hang UNDER REPAIR signs on the controls in the operator's compartment.
- 5. Keep all tools in good condition and learn the correct way to use them.

6. Decide a place in the repair workshop to keep tools and removed parts. Always keep the tools and parts in their correct places. Always keep the work area clean and make sure that there is no dirt or oil on the floor. Smoke only in the areas provided for smoking. Never smoke while working.

PREPARATIONS FOR WORK

- Before adding oil or making any repairs, park the machine on hard, level ground, and block the wheels or tracks to prevent the machine from moving.
- 8. Before starting work, lower blade, ripper, bucket or any other work equipment to the ground. If this is not possible, insert the safety pin or use blocks to prevent the work equipment from falling. In addition, be sure to lock all the control levers and hang warning signs on them.
- When disassembling or assembling, support the machine with blocks, jacks or stands before starting work.
- 10. Remove all mud and oil from the steps or other places used to get on and off the machine. Always use the handrails, ladders or steps when getting on or off the machine. Never jump on or off the machine. If it is impossible to use the handrails, ladders or steps, use a stand to provide safe footing.

SAFETY SAFETY NOTICE

PRECAUTIONS DURING WORK

11. When removing the oil filler cap, drain plug or hydraulic pressure measuring plugs, loosen them slowly to prevent the oil from spurting out.

Before disconnecting or removing components of the oil, water or air circuits, first remove the pressure completely from the circuit.

12. The water and oil in the circuits are hot when the engine is stopped, so be careful not to get burned.

Wait for the oil and water to cool before carrying out any work on the oil or water circuits.

- 13. Before starting work, remove the leads from the battery. Always remove the lead from the negative (–) terminal first.
- 14. When raising heavy components, use or crane.

Check that the wire rope, chains and hours are free from damage.

Always use lifting equip not which has ample capacity.

Install the lifting economic that the correct places. Use a hoise or crane and operate slowly to prevent the component from hitting any other. Do not work with any part still railed by the hoist or crane.

- 15. When proceed ving covers which are under internal pressure or under pressure from a spring, always leave two bolts in position on opposite sides. Slowly release the pressure, then slowly loosen the bolts to remove.
- 16. When removing components, be careful not to break or damage the wiring. Damaged wiring may cause electrical fires.
- 17. When removing piping, stop the fuel or oil from spilling out. If any fuel or oil drips onto the floor, wipe it up immediately. Fuel or oil on the floor can cause you to slip, or can even start fires.
- 18. As a general rule, do not use gasoline to wash parts. In particular, use only the minimum of gasoline when washing electrical parts.

19. Be sure to assemble all parts again in their original places.

Replace any damaged parts with new parts.

- When installing hoses and wires, be sure that they will not be damaged by contact with other parts when the machine is being operated.
- 20. When installing high pressure hoses, make sure that they are not twisted. Damaged tubes are dangerous, so be extremely careful when installing tubes for high pressure circuits. Also, check that connecting parts are called.
- 21. We en ssembling or installing parts, always to be specified tightening torques. When in talling protective parts such as guards, or parts which vibrate violently or rotate at high speed, be particularly careful to check that they are installed correctly.
- 22. When aligning two holes, never insert your fingers or hand. Be careful not to get your fingers caught in a hole.
- 23. When measuring hydraulic pressure, check that the measuring tool is correctly assembled before taking any measurements.
- 24. Take care when removing or installing the tracks of track-type machines.

When removing the track, the track separates suddenly, so never let anyone stand at either end of the track.

FOREWORD GENERAL

FOREWORD

GENERAL

This shop manual has been prepared as an aid to improve the quality of repairs by giving the serviceman an accurate understanding of the product and by showing him the correct way to perform repairs and make judgements. Make sure you understand the contents of this manual and use it to full effect at every opportunity.

This shop manual mainly contains the necessary technical information for operations performed in a service workshop. For ease of understanding, the manual is divided into the following chapters; these chapters are further divided into the each main group of components.

STRUCTURE AND FUNCTION

This section explains the structure and function of each component. It serves not only to give an understanding of the structure, but all serves as reference material for troubleshooting. In addition, this section may contain hydraulic circuit diagrams, electric circuit diagrams, and maintenance standards.

TESTING AND ADJUSTING

This section explains che ks, be made before and after performing repairs, as well as adjustments to be made it completion of the checks and repairs.

Troubleshooting controllers "Problems" with "Causes" are also included in this section.

DISASSEMBLY AND A SEMBLY

This section englains the procedures for removing, installing, disassembling and assembling each court out, as well as precautions for them.

MAINTEN CE STANDARD

his section gives the judgment standards for inspection of disassembled parts.

The contents of this section may be described in STRUCTURE AND FUNCTION.

OTHERS

This section mainly gives hydraulic circuit diagrams and electric circuit diagrams. In addition, this section may give the specifications of attachments and options together.

NOTICE

The specifications contained in this shop manual are subject to change at any time and without any advance notice. Use the specifications given in the book with the latest date.

Buy now

<u>Komatsu Hydraulic Excavator PC250-6, PC250LC-6 Shop Manual PDF</u>

<u>With Instant Download</u>