

# **Shop Manual**

# **PC360LC-10**

# **PC390LC-10**

## **HYDRAULIC EXCAVATOR**

**SERIAL NUMBERS**    **PC360LC-10 A32001** and up  
                              **PC360LC-10 K64001** and up  
                              **PC390LC-10 A30001** and up

**ENGINE**                    **6D114E-5**

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# SAFETY

## Safety Notice

### Important Safety Notice

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

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

### General Precautions

Mistakes in operation are extremely dangerous. Read the OPERATION & MAINTENANCE MANUAL carefully BEFORE operating the machine.

1. Before performing any greasing or repairs, read all the precautions given on the decals which are fixed to the machine.
2. When performing any operation, always wear safety shoes and helmet. Do not wear loose work clothes, or clothes with buttons missing.
  - Always wear safety glasses when hitting parts with 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 perform the work. When performing welding work, always wear welding gloves, apron, glasses, cap and other clothes suited for welding work.



**WARNING!** Never modify, weld, cut, or drill on any part of a ROPS structure. Doing so may weaken the structure which could lead to possible failure in a rollover situation.

4. When performing 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. Only qualified workers must perform the work and operation which require license or qualification.
6. Keep all tools in good condition and learn the correct way to use them. Before starting work, thoroughly check the tools, machine, forklift truck, service car, etc.
7. 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.
8. Before starting work, warm up your body thoroughly to start work under good conditions. Avoid continuous work for long hours and take rests at proper intervals to keep your body in good condition. Take rests in specified safe places.

**Safety Points**

1	Good arrangement
2	Correct work clothes
3	Following work standard
4	Making and checking signs
5	Prohibition of operation and handling by unlicensed workers
6	Safety check before starting work
7	Wearing protective goggles (for cleaning or grinding work)
8	Wearing shielding goggles and protectors (for welding work)
9	Good physical condition and preparation
10	Precautions against work which you are not used to or work with which you are too familiar