

Service Manual

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KOMATSU

P R E F A C E

This Service Manual is intended to assist and instruct experienced construction machinery service engineers to carry out repairs and adjustments to our machines. The working procedures and technical descriptions contained in this manual are explicitly written so that the disassembling and re-assembling of the various components, also the carrying out of adjustments to these components, can be completed without any difficulty. These working procedures and technical descriptions are supported by appropriate photographs, illustrations and drawings.

The service engineer should possess a fundamental knowledge in the operation and repair of construction machinery and, if possible, should attend a seminar at our training centre before attempting to diagnose defects and before attempting to tackle the not so simple repair and adjustment work. It should also be obvious to him that the special service tools which are available from us must be used whenever their use is recommended or necessary.

As a supplement to this manual, we recommend the Service Training and Workshop Handbook for the machine in question or the appropriate microfiche. This Service Training and Workshop Handbook principally contains construction and functional descriptions, adjustment and technical data, electrical wiring and other circuit diagrams etc. (for availability, see the latest issue of the Technical Literature List in the PSK microfiche).

All technical data, descriptions, photographs and drawings are valid at the time of this manual going to press and do not claim to be entire as far as the various equipment possibilities are concerned.

In accordance with the company's policy of continuous improvement to its machines, alterations in the specifications of machines may be made without prior notice and the company accepts no responsibility for any discrepancies which may occur between the specifications of its machines and the specifications contained in this manual.

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S A F E T Y P R E C A U T I O N S

GENERAL

Accidents can be avoided by a few seconds thought and a more careful approach when working on the machine.

Your co-operation is essential to the success of an effective management policy on safety when at work. For example, you can avoid many accidents by observing certain precautions and insist that people working with you do the same.

As a guide the following are a few examples of safety precautions to be observed when working on the machine:

Never start the engine whilst standing beside the machine. Always start the engine when sitting in the driver's seat.

Never get on or off the machine whilst it is in motion.

Never carry out repairs, loosen or tighten hydraulic hoses or fittings when the system is under pressure or the engine running.

When checking the engine coolant, always remove the radiator filler cap very slowly and with care, especially when the engine is hot.

Do not exceed the lift capacities of hoists, cranes, jacks and slings.

If work is to be carried out underneath the machine, ensure that the machine is adequately supported, i.e. the weight is taken off the jack by using suitable blocks.

Ensure rules regarding flammable materials and other harmful substances are observed

When working on fuel or electrical systems, ensure fire fighting equipment is available for immediate use and you know how to use it.

Know the correct and safe way of doing the job, avoid dangerous working practices.

Observe caution when carrying out adjustments near moving parts when the engine is running, e.g. shafts, belts, pulleys and gears.

When carrying out road or equipment performance tests, observe the safety precaution given in the appropriate operator's manual.

These safety precautions are for your guidance and should be read and interpreted in conjunction with safety regulations valid in your country.

Remember 'SAFETY' is only a word until it is put into practice.



Carefully read and observe all safety instructions in this handbook which are accompanied by this symbol and the word 'WARNING'.

Where this symbol is found on machine mounted instruction and warning plates, it is used to identify important instructions and potential hazards which could result in property damage, personal injury or even death if not heeded.

Komatsu Crawler Loader L600d Shop Manual 2

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