TEN00533-01

Operation & Maintenance Manual

WHEEL LOADER **WA50-6**

SERIAL NUMBERS 60925 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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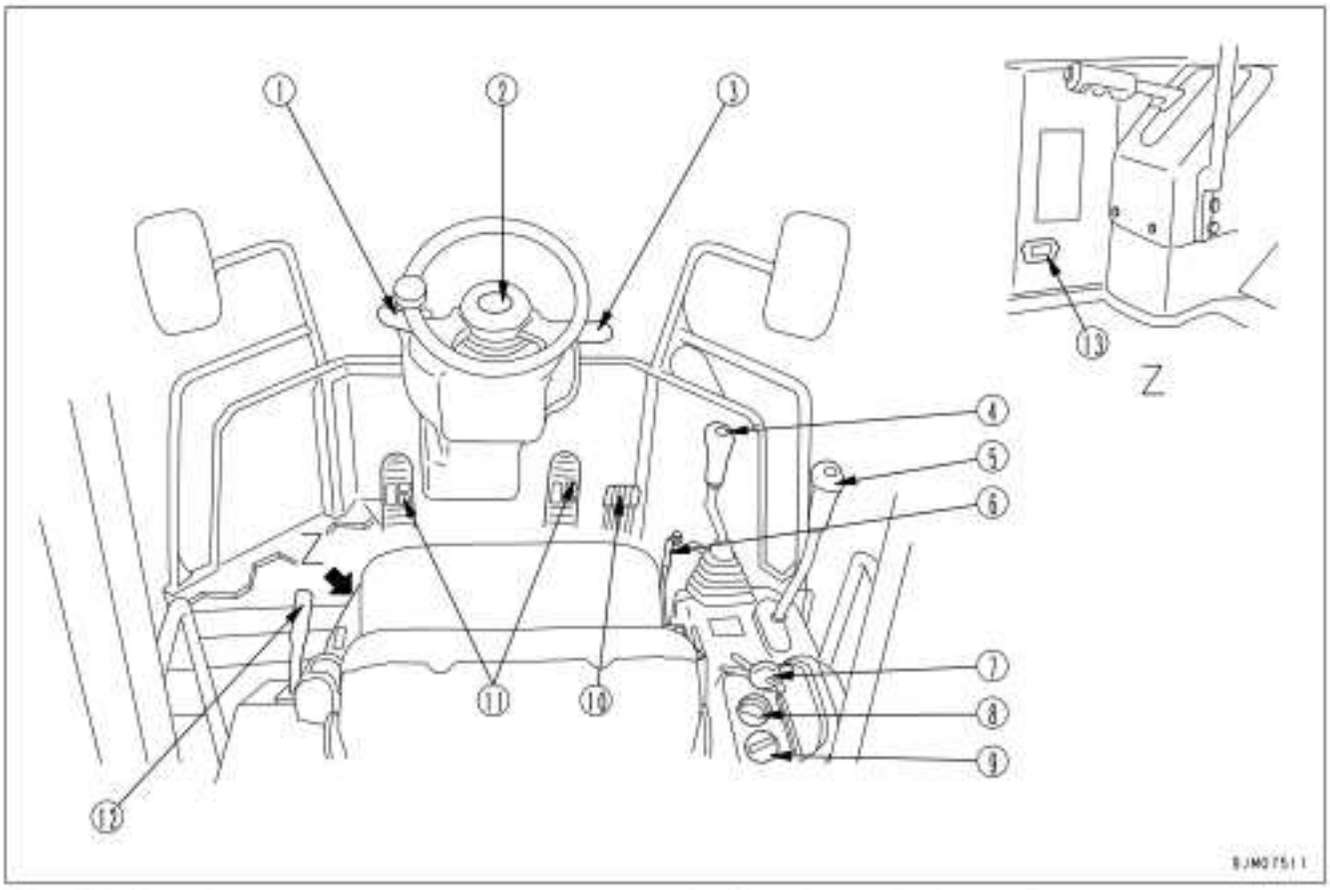
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GENERAL VIEW OF CONTROLS AND GAUGES



(1) Directional lever
(2) Horn button
(3) Lamp switch,Turn signal lever
(4) Work equipment control lever
(5) Attachment control lever
(6) Work equipment lock lever
(7) Starting switch
(8) Travel speed adjustment dial
(9) Mode selector dial
(10) Accelerator pedal
(11) Brake pedal
(12) Parking brake lever
(13) Service meter

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POWER OUTLET

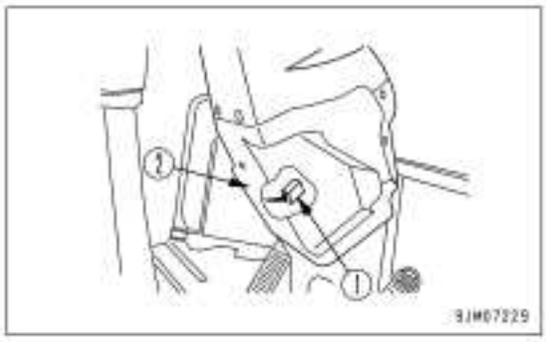
NOTICE

When installing electrical not supplied by Komatsu, use 12V specification with a maximum of 120W (equivalent to 10A). If equipment is to be installed with a capacity greater than this, please contact your Komatsu distributor.

Connector (1) for electrical power supply for options is at the following place.

Remove the cover(2)under the steering wheel and power connectors(1)are in the right so use as power source.

(+) positive: Yellow wire
(-) negative: Black wire
The maximum electric current is 10A (120W).



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GREASE

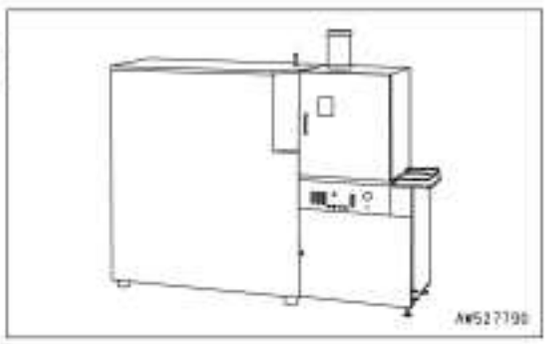
- Grease is used to prevent seizure and noises at the joints.
- This construction equipment is used under heavy-duty conditions. Always use the recommended grease and follow the change intervals and recommended ambient temperatures given in this Operation and Maintenance Manual.
- Grease fittings not included in the maintenance section are grease fittings for overhaul, so they do not need grease.
  If any part becomes stiff after being used for long time, add grease.
- Always wipe off all of the old grease that is pushed out when greasing.
  Be particularly careful to wipe off the old grease in places where sand or dirt sticking in the grease would cause wear of the rotating parts.

CARRYING OUT KOWA (Komatsu Oil Wear Analysis)

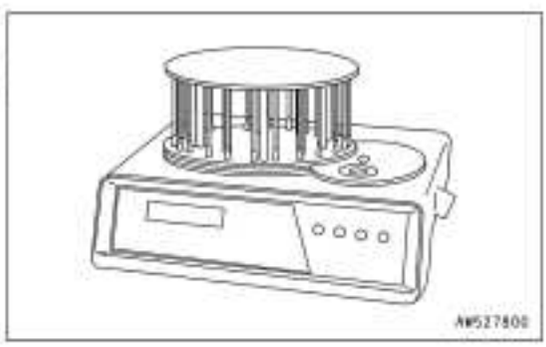
The oil clinic samples the oil periodically and analyzes it. This is a preventive maintenance service, which provides early discovery of abnormal parts and wear of the drive parts of the machine. This then makes it possible to ensure prevention of failures and reduction in downtime.
Komatsu's long years of experience and rich supply of accumulated data make it possible to accurately determine the condition of your machine. This enables us to locate the problems and to recommend suitable and timely repair methods.
The oil clinic charges the customer only the actual costs, and provides an immediate report of the results of the analysis and recommendations for action to take. This low-cost service can save you high costs and inconvenience in the future, so we strongly recommend you to avail yourself of this service.

KOWA ANALYSIS ITEMS

- Measurement of density of metal wear particles
  This uses an ICP (Inductively Coupled Plasma) analyzer to measure the density of iron, copper, and other metal wear particles in the oil.



- Measurement of quantity of particles
  This uses a PQI (Particle Quantifier Index) measurer to measure the quantity of iron particles of 5μm or more, enabling early detection of failures.



- Others
  Measurements are made of items such as the ratio of water in the oil, density of the COOLANT, ratio of fuel in the oil, and dynamic viscosity, enabling a highly precise diagnosis of the machine's health.

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