TEN00296-02

Operation & Maintenance Manual

WHEEL LOADER **WA600-6**

SERIAL NUMBERS 60436 and up

ecot3

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.

KOMATSU®

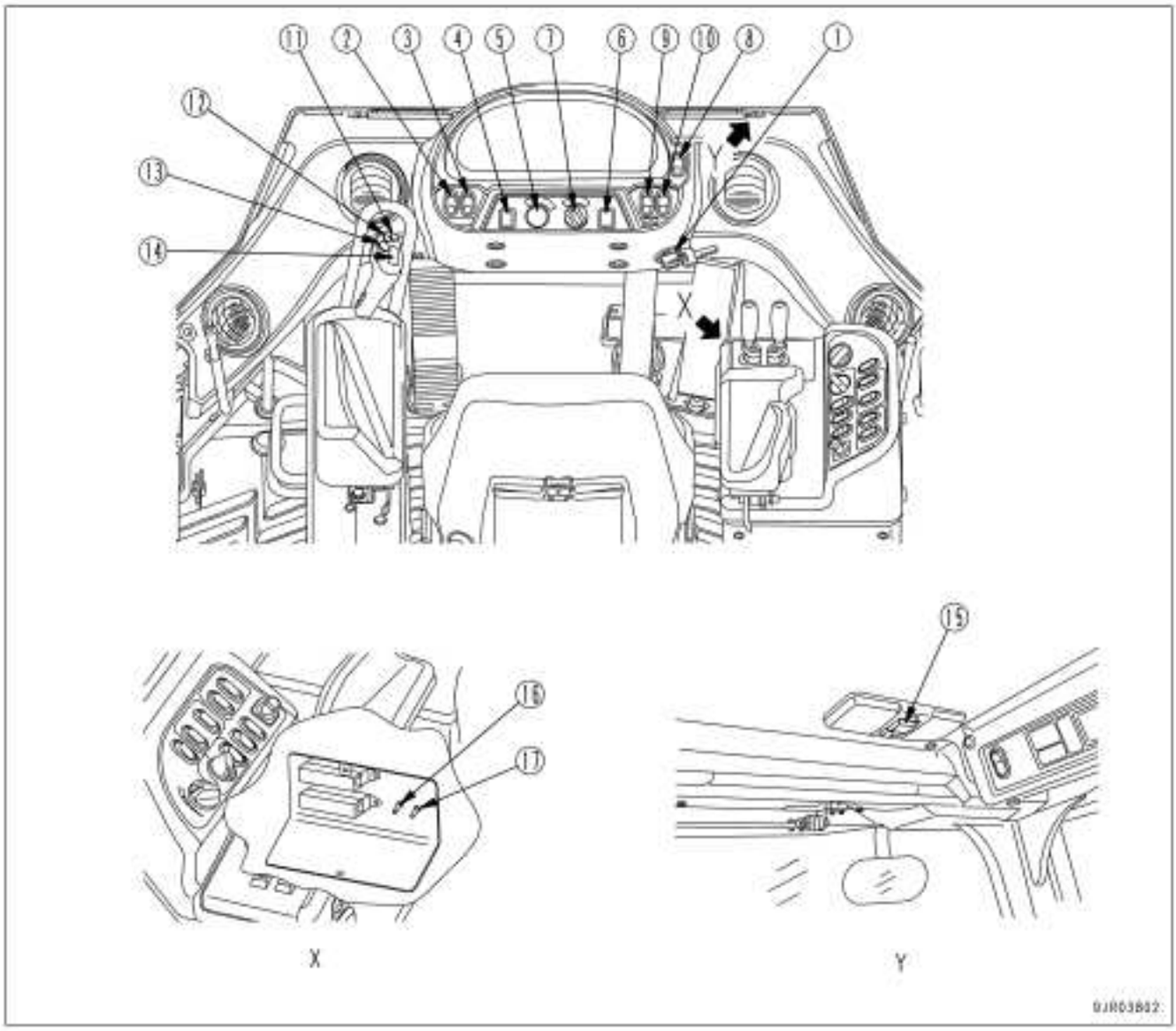
MidWestTech | Komatsu WA600-6 Wheel Loader Operation & Maintenance Manual | Publi... Order the manual at mid-west-tech.com >

OPENING, CLOSING CAB DOORS, WINDOWS ---- 3- 86
HANDLING CAB WIPER ---- 3- 89
DUST INDICATOR ---- 3- 90
FUSE ---- 3- 91
CIRCUIT BREAKER ---- 3- 93
SLOW BLOW FUSE ---- 3- 94
LUNCH BOX TRAY ---- 3- 94
TOOL BOX ---- 3- 94
GREASE PUMP ---- 3- 94
LOCATION OF FIRE EXTINGUISHER ---- 3- 95
POWER OUTLET ---- 3- 95
AM/FM RADIO-CASSETTE STEREO ---- 3- 96
AIR CONDITIONER ---- 3-105
OPERATION ---- 3-120
CHECK BEFORE STARTING ENGINE, ADJUST ---- 3-120
STARTING ENGINE ---- 3-139
OPERATIONS AND CHECKS AFTER STARTING ENGINE ---- 3-141
STOPPING ENGINE ---- 3-144
CHECK AFTER STOPPING ENGINE ---- 3-144
MOVING THE MACHINE (DIRECTIONAL, SPEED), STOPPING THE MACHINE ---- 3-145
TURNING ---- 3-153
OPERATION OF WORK EQUIPMENT ---- 3-155
SEMI AUTO DIGGING OPERATIONS ---- 3-157
REMOTE POSITIONER ---- 3-158
WORK POSSIBLE USING WHEEL LOADER ---- 3-160
PRECAUTIONS FOR OPERATION ---- 3-180
REMOVAL AND INSTALLATION OF THE BUCKET ---- 3-183
PARKING MACHINE ---- 3-187
CHECKS AFTER COMPLETION OF OPERATION ---- 3-189
LOCKING ---- 3-189
HANDLING THE TIRES ---- 3-190
TRANSPORTATION ---- 3-193
TRANSPORTATION PROCEDURE ---- 3-193
LOADING, UNLOADING WORK ---- 3-193
METHOD OF SECURING MACHINE ---- 3-193
METHOD OF LIFTING MACHINE ---- 3-195
PRECAUTIONS WHEN DISASSEMBLY OR REASSEMBLING WORK EQUIPMENT ---- 3-198
COLD WEATHER OPERATION ---- 3-199
PRECAUTIONS FOR LOW TEMPERATURE ---- 3-199
PRECAUTIONS AFTER COMPLETION OF WORK ---- 3-200
AFTER COLD WEATHER ---- 3-200
WARMING-UP OPERATION FOR STEERING HYDRAULIC CIRCUIT IN COLD WEATHER ---- 3-201
LONG-TERM STORAGE ---- 3-202
BEFORE STORAGE ---- 3-202
DURING STORAGE ---- 3-202
AFTER STORAGE ---- 3-202
TROUBLESHOOTING ---- 3-203
WHEN MACHINE RUNS OUT OF FUEL ---- 3-203
METHOD OF TOWING MACHINE ---- 3-203
IF BATTERY IS DISCHARGED ---- 3-208

MidWestTech | Komatsu WA600-6 Wheel Loader Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

SWITCHES

FRONT PANEL, AJSS LEVER SWITCH, REAR BOX



(1) Starting switch
(2) Machine monitor mode selector switch 1
(3) Machine monitor mode selector switch 2
(4) Hazard lamp switch
(5) Front wiper switch
(6) Dimmer switch
(7) Lamp switch
(8) Parking brake switch
(9) Load meter mode selector switch (if equipped)
(10) Load meter display selector switch (if equipped)
(11) Shift-up switch
(12) Shift-down switch
(13) Horn switch
(14) Directional selector switch
(15) Room lamp switch
(16) Emergency parking brake cancel switch
(17) Emergency modulation clutch direct connection switch

MidWestTech | Komatsu WA600-6 Wheel Loader Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

REMOVAL AND INSTALLATION OF THE BUCKET

⚠ WARNING

- When pins are knocked in with a hammer, pieces of metal may fly and cause serious injury. When carrying out this operation, always wear goggles, hard hat, gloves, and other protective equipment.
- When the bucket is removed, place it in a stable condition.
- If pins are hit with a strong force, there is a hazard that the pin may fly out and injure people in the surrounding area. Make sure that there is no one in the surrounding area before starting the operation.
- When removing the pins, do not stand behind the bucket. In addition, be extremely careful not to put your foot under the bucket while standing at the side for the work.
- When removing or inserting pins, be extremely careful not to get your fingers caught.
- Never insert your fingers into the pin holes when aligning the holes.

⚠ CAUTION

The length of the lift arm differs according to the capacity of the bucket. Always install a lift arm that matches the capacity of the bucket. If the bucket capacity is large but the lift arm is not of a suitable length, there is danger that the machine will lose its balance and tip over.
Please consult your Komatsu distributor for details of the combination of bucket and lift arm.

Combination of bucket and lift arm

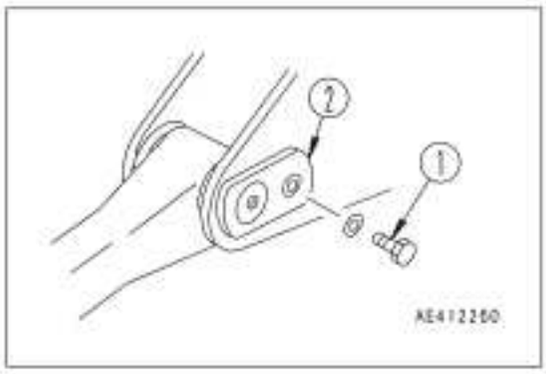
Bucket capacity / Lift arm length	6.4 m³ (8.1 cu.yd)	7.0 m³ (9.2 cu.yd)
3850 mm (12ft 8in)	X	O
3990 mm (13ft 1in)	O	X

Remove or install the bucket in the following manner, if so required for the convenience of transportation.

NOTICE
This method of removal and installation is applicable to the standard specification machine.
The method of removal and installation will differ according to the attachments and options that are installed.
For details of the procedure for machines that are not the standard specification, please consult your Komatsu distributor.

REMOVING THE BUCKET

1. Remove mounting bolt (1).



MidWestTech | Komatsu WA600-6 Wheel Loader Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >

GUIDES TO MAINTENANCE

Do not perform any inspection and maintenance operation that is not found in this manual.

CHECK SERVICE METER:
Check the service meter reading every day to see if the time has come for any necessary maintenance to be performed.

KOMATSU GENUINE REPLACEMENT PARTS:
Use Komatsu genuine parts specified in the Parts Book as replacement parts.

KOMATSU GENUINE OILS:
For lubrication of the machine, use the Komatsu genuine lubricants. Moreover use oil of the specified viscosity according to the ambient temperature.

ALWAYS USE CLEAN WASHER FLUID:
Use automobile window washer fluid, and be careful not to let any dirt get into it.

ALWAYS USE CLEAN OIL AND GREASE:
Use clean oil and grease. Also, keep the containers of the oil and grease clean. Keep foreign materials away from oil and grease.

CHECKING FOR FOREIGN MATERIALS IN DRAINED OIL AND ON FILTERS:
After oil is changed or filters are replaced, check the old oil and filters for metal particles and foreign materials. If large quantity of metal particles or foreign materials are found, always report to the person in charge, and carry out suitable action.

FUEL STRAINER:
If your machine is equipped with a fuel strainer, do not remove it while fueling.

WELDING INSTRUCTIONS:
- Turn off the engine starting switch.
- Do not apply more than 200 V continuously.
- Connect grounding cable within 1 m (3.3 ft) of the area to be welded. If grounding cable is connected near instruments, connectors, etc., the instruments may malfunction.
- If a seal or bearing happens to come between the part being welded and grounding point, change the grounding point to avoid such parts.
- Do not use the area around the work equipment pins or the hydraulic cylinders as the grounding point.
- Remove the negative (-) terminal of the battery to stop the flow of electric current.

DO NOT DROP THINGS INSIDE MACHINE:
- When opening inspection windows or the oil filler port of the tank to carry out inspection, be careful not to drop nuts, bolts, or tools inside the machine.
  If such things are dropped inside the machine, it may cause damage and/or malfunction of the machine, and will lead to failure. If you drop anything inside the machine, always remove it immediately.
- Do not put unnecessary things in your pockets. Carry only things which are necessary for inspection.

MidWestTech | Komatsu WA600-6 Wheel Loader Operation & Maintenance Manual |... Order the manual at mid-west-tech.com >