TEN00301-03

Operation & Maintenance Manual

WHEEL LOADER **WA1200-3**

SERIAL NUMBERS 50075 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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CHECK ELECTRIC WIRING

WARNING

- **If fuses are frequently blown or if there is a short circuit in the electrical wiring, locate the cause and repair or contact your Komatsu distributor.**
- **Accumulation of flammable material (dead leaves, twigs, grass, etc.) around the battery may cause fire, so always check and remove such material.**
- **Keep the top surface of the battery clean and check the breather hole in the battery cap. If it is clogged with dirt or dust, wash the battery cap to clear the breather hole.**

Check for damage, wrong fuse capacity, and any sign of disconnection or short circuit in the electric wiring. Also, check and tighten any loose terminals.
Particularly, check the wiring of the "battery", "starting motor" and "alternator" carefully.
When checking around the battery, make sure there is no accumulation of flammable material. Remove all flammable material.
Please contact your Komatsu distributor for investigation and correction of the cause.

CHECK PARKING BRAKE

Check that the parking brake works properly.
If there is any abnormality in the operation of the parking brake or the brake does not provide the proper braking effect, please contact your Komatsu distributor for adjustment.

CHECK BRAKE

Drive the machine forward and check the effect of the brakes.
If there is any problem in the actuation of the brakes, please contact your Komatsu distributor to have the brakes adjusted.

CHECK INFLATION PRESSURE OF TIRES

Measure the inflation pressure with a tire pressure gauge, while the tires are cool, before starting work.
Check for damage or wear to the tires and the rims.
Check for loose wheel hub nuts (bolts).
The proper inflation pressure is shown below.

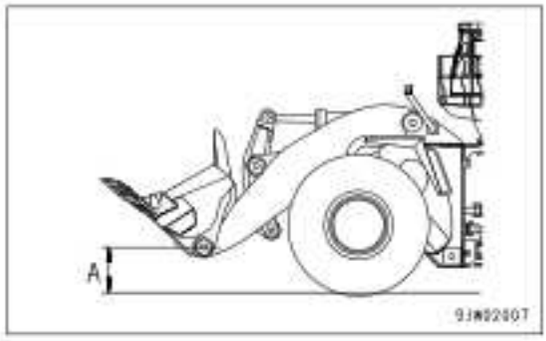
Size	Inflation pressure
55.5/80-57-68PR(L5) (Standard)	0.59 MPa {6.0 kg/cm^2, 85.2 PSI}
65/65-57-62PR(L5) (If equipped)	0.49 MPa {5.0 kg/cm^2, 71.0 PSI}
60/80R57★(L5) (If equipped)	Front wheel: 0.63 MPa {6.4kg/cm^2, 90.9 PSI} Rear wheel: 0.50 MPa {5.1kg/cm^2, 72.4 PSI}

NOTICE

The optimum inflation pressure differs according to the type of work. For details, see "HANDLING THE TIRES (PAGE 3-124)".

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3. Operate lift arm control lever (3) to set the work equipment to the travel posture shown in the diagram on the right.
(A)=110 to 120cm (43 to 47 in)

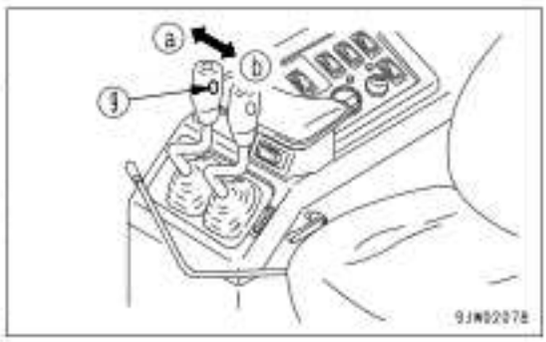


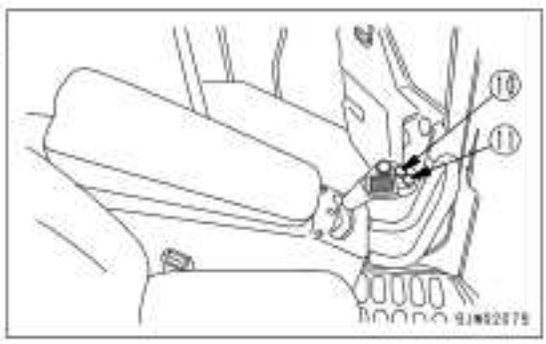
4. Depress right brake pedal (8) and turn parking brake switch (7) to the OFF (RELEASE) position to release the parking brake. Keep right brake pedal (8) depressed.

REMARK
If the parking brake is still actuated when parking brake switch (7) is at the OFF (RELEASE) position, turn the parking brake switch ON, then turn it OFF again.



5. Set to the desired speed range position.
Set the speed range position as follows.
   1) Use transmission auto shift/manual selector switch (9) to select auto shift or manual shift.
      Position (a): Auto shift mode
      In this position, the transmission is set to the final shift position used when previously using the auto shift mode.
      This shift position is displayed by the 1-2-3 speed indicator lamp under the main monitor.
      Position (b): Manual shift mode
      When shifting from auto shift mode to manual mode, the shift position used in the auto shift mode is retained in the manual shift mode.
   2) When setting to a speed range different from the range set in Step 1), shift the gear with shift up switch (11) or shift down switch (10) at the head of joystick steering lever (5).



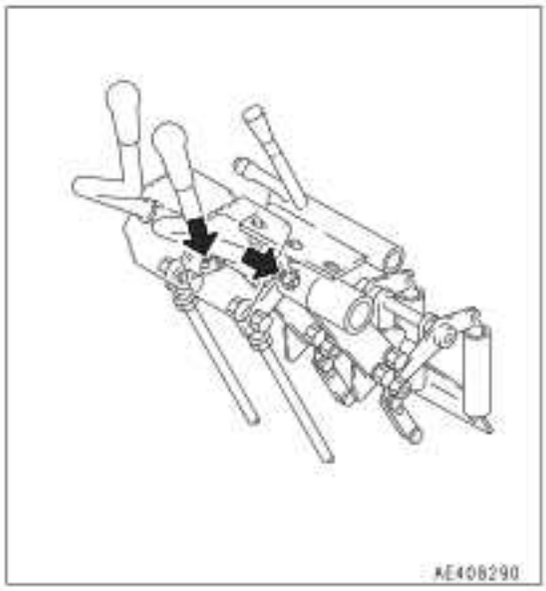


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LUBRICATING

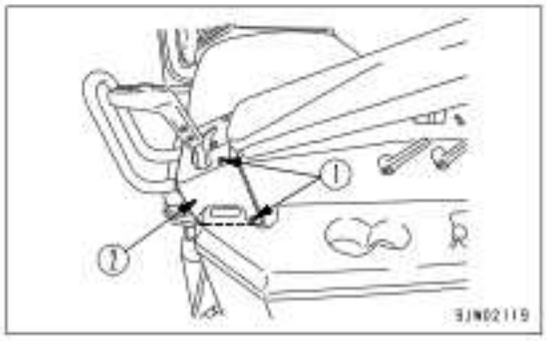
1. Using a grease pump, pump in grease through the grease fittings shown by arrows.
2. After greasing, wipe off any old grease that was pushed out.

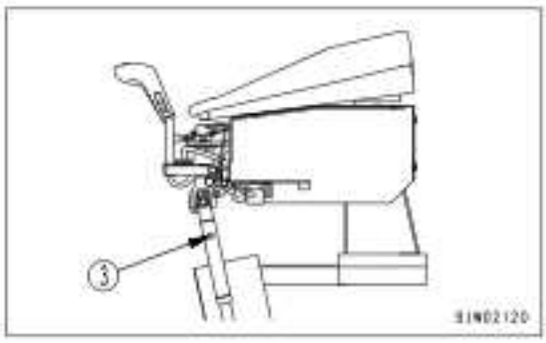
(1) Work equipment control valve linkage (2 places)
If the work equipment control lever is heavy or does not move smoothly, apply grease.



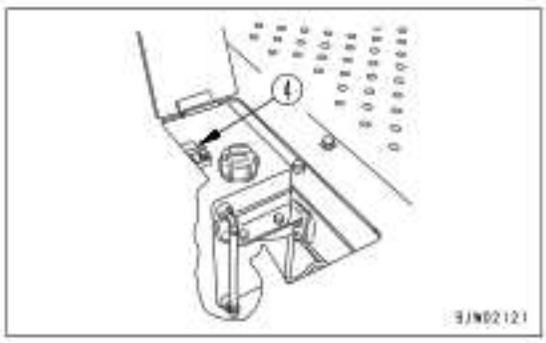
Joystick steering U-joint (2 points)
If the joystick steering is heavy or stiff when adjusted to the front or rear, lubricate the U-joints.

- Top (inside operator's compartment)
  Remove 4 bolts (1), open cover (2) to the front, then pump in grease through grease fitting (3).
  When doing this, be careful not to damage the grease nipple inside cover (2).





- Bottom (under floor)
  Add grease through grease fitting (4) installed to the top of the window washer tank.



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