TEN00368-01

Operation & Maintenance Manual

MOTOR GRADER **GD655-5**

SERIAL NUMBERS 55001 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.

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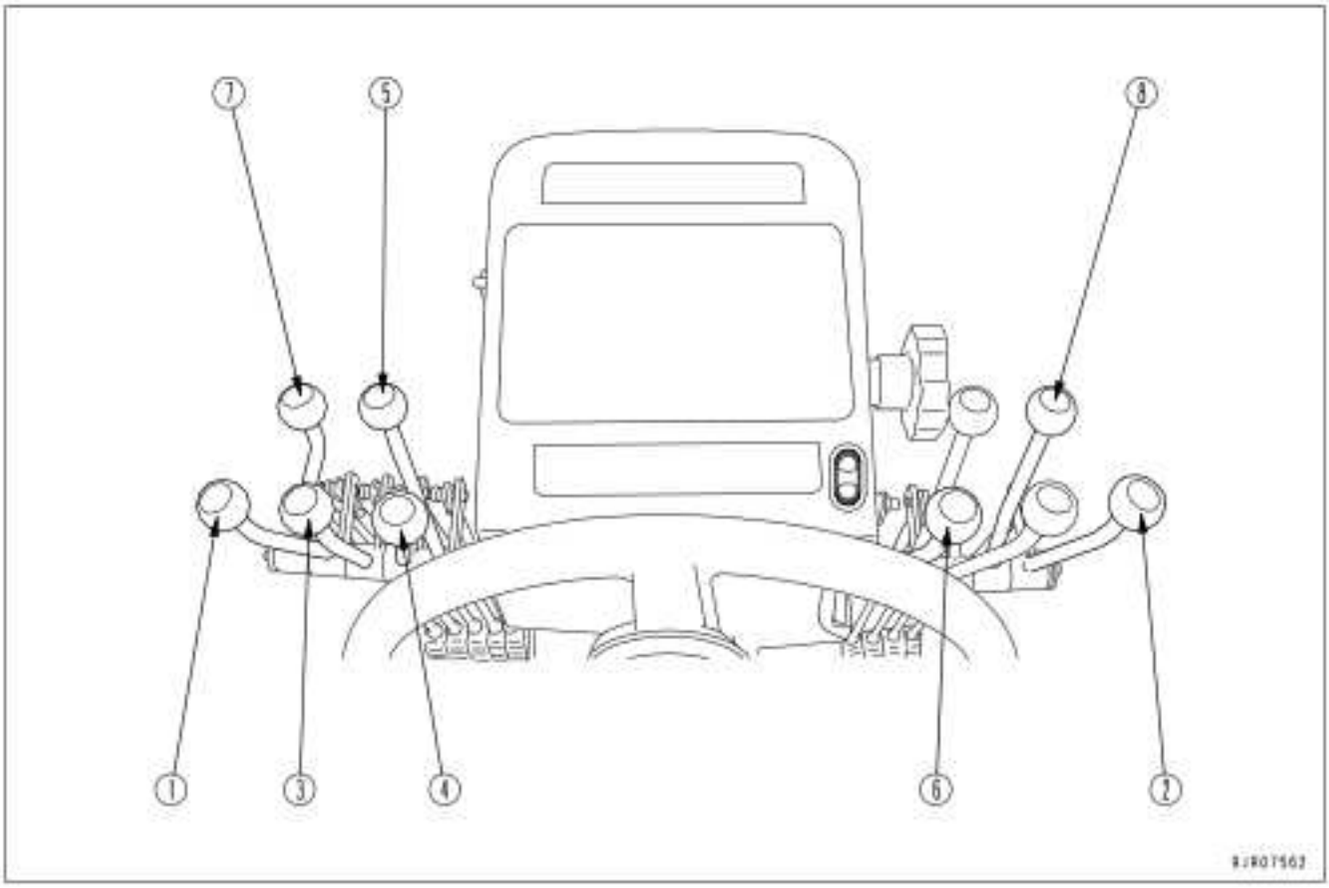
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OPERATING WORK EQUIPMENT



(1) Left blade lift cylinder control lever
(2) Right blade lift cylinder control lever
(3) Blade side shift control lever
(4) Blade rotation control lever
(5) Power tilt control lever
(6) Drawbar side shift control lever
(7) Ripper/Scarifier control lever (if equipped)
(8) Front attachment control lever (if equipped)

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EVERY 250 HOURS SERVICE

Maintenance for every 50 hours service should be carried out at the same time.

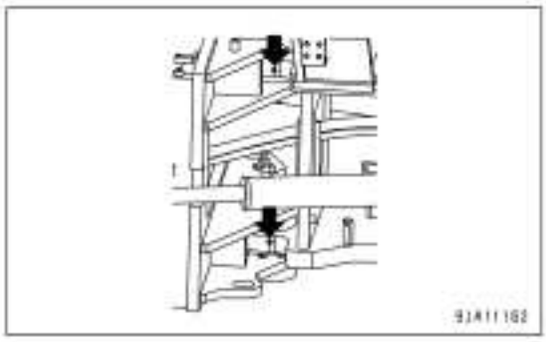
LUBRICATING

WARNING

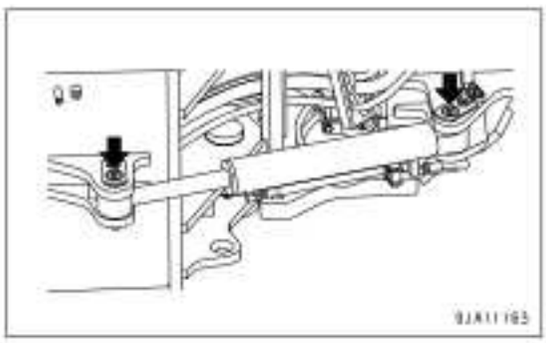
- **Set the gear shift lever to the P (Parking) position and fix the front and rear frames by using the articulate lock pin.**
- **Lower the work equipment to the ground and stop the engine.**
- **Grease on flat ground.**

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.

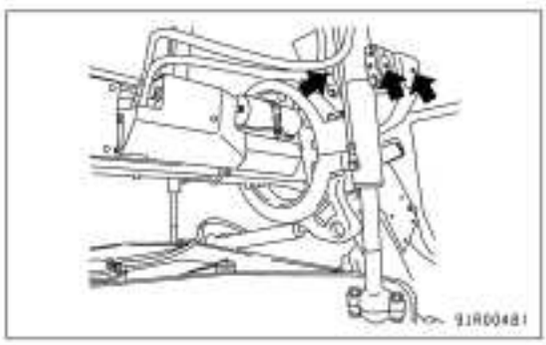
Articulate pin (2 places)



Articulate cylinder pin (4 places)



Blade lift cylinder yoke (6 places)



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CHECK CIRCLE GUIDE CLEARANCE, ADJUST

⚠ WARNING

- If there is no clearance between the root of the teeth (or the tip of the teeth) of the pinion gear of the circle rotator and the tip of the teeth (or the root of the teeth) of the circle gear after maintenance has been carried out, replace the guide.
- When raising the blade, do not raise it higher than necessary.

NOTICE

If the condition remains as below even after maintenance is carried out, replace the circle guide.

- When there is no clearance (R) between the circle and circle guide.
- When there is no clearance between the root of the teeth (or the tip of the teeth) of the pinion gear of the circle rotator and the tip of the teeth (or the root of the teeth) of the circle gear.

- Prepare the following:
  Feeler gauge
- Shims (thickness: 1 mm (0.039 in), 0.5 mm (0.020 in); 2 types)

CHECKING

1. Raise the blade and use a feeler gauge to measure clearance (P) between the bottom face of the drawbar and the top face of the swing circle as shown in the diagram. The standard clearance is 1.5 ± 0.5 mm (0.059 ± 0.020 in).
2. Keep the blade raised and use a feeler gauge to measure clearance (Q) F (front), (Q) C (center), and (Q) R (rear) between the circle and circle guide as shown in the diagram when force is applied at the rear.
   Standard clearances (Q) F, (Q) C, and (Q) R are as follows.
   (Q) F = 0 mm, (Q) C = 0.7 mm (0.028 in), (Q) R = 1.5 mm (0.059 in), or (Q) F = (Q) R = 1 mm (0.039 in)

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