Operation & Maintenance Manual

SEAM021403T

GD825A-2

MOTOR GRADER

SERIAL NUMBERS GD825A-12107 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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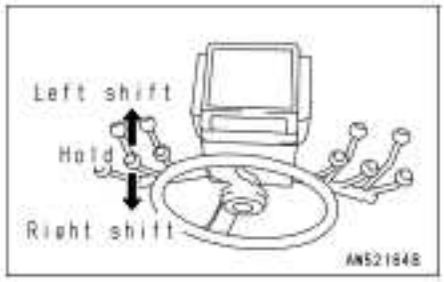
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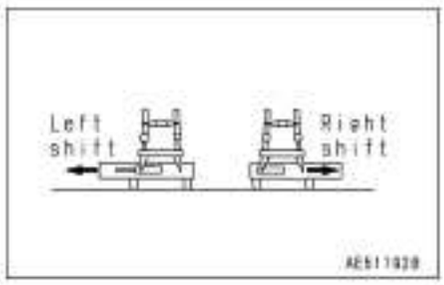
OPERATING BLADE SIDE SHIFT

Operate blade side-shift control lever ③ as follows.

Pull BACK to shift blade to RIGHT

Push FORWARD to shift blade to LEFT



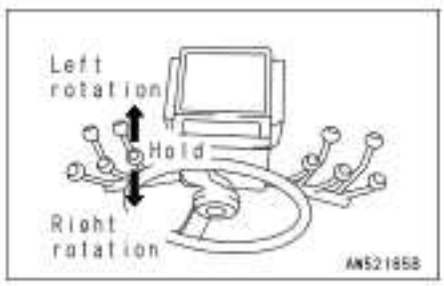


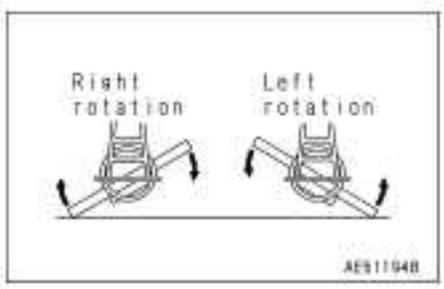
OPERATING BLADE ROTATION

Operate blade rotation control lever ④ as follows.

Pull BACK to rotate blade to RIGHT

Push FORWARD to rotate blade to LEFT



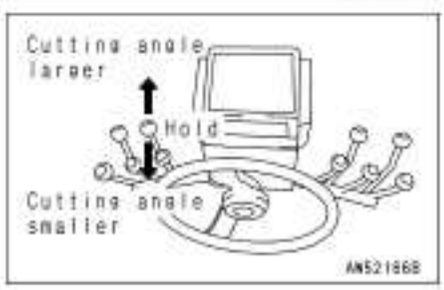


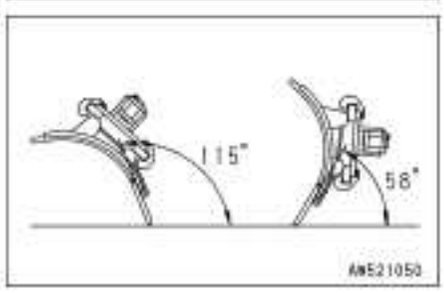
CHANGING BLADE CUTTING ANGLE

Operate power tilt control lever ⑤ as follows.

Pull BACK to make cutting angle SMALLER

Push FORWARD to make cutting angle LARGER





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23. MAINTENANCE SCHEDULE CHART

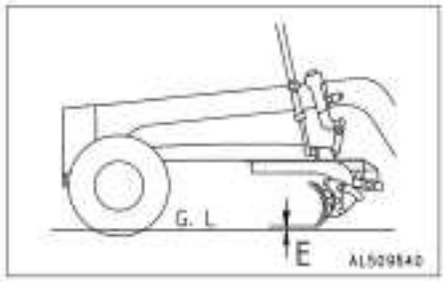
23.1 MAINTENANCE SCHEDULE CHART

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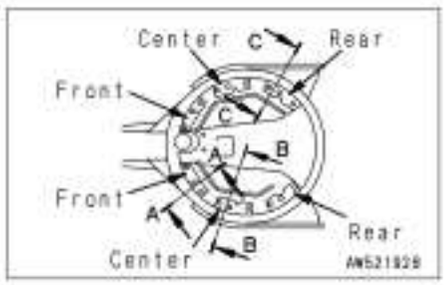
Adjustment

1. Raise the blade so that the drawbar is parallel to the ground surface, then set dimension E between the ground surface and the end of the blade edge to approx. 30 mm (1.2 in).



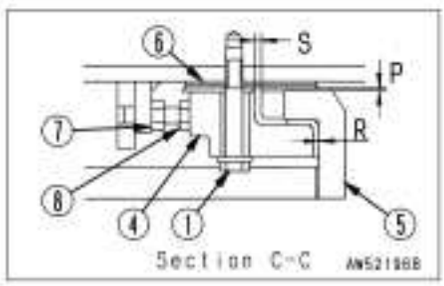
2. Loosen bolt ①, put portions F, C, and R of circle ⑤ and circle guide ②, ③, and ④ in contact, then adjust shim ⑥ so that clearance P between the top face of the circle and bottom face of the drawbar is 1 – 2 mm (0.039 – 0.079).

3. Loosen locknut ⑦, then tighten pushing bolt ⑧ of rear circle guide ④ to move the whole circle to the rear and adjust to give dimension H of 35.9 – 56.0 mm (1.4 – 2.2 in) between machined surface ⑨ of the case at the bottom of the pinion gear and the circle and circle guide contact surface ⑩.

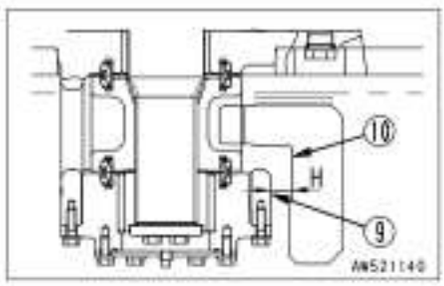


REMARK

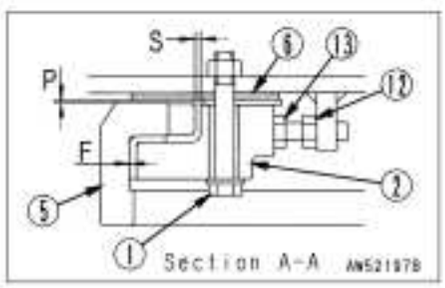
When not using circle guide pusher bolt ⑧ to carry out the movement, use a lever block.



4. Loosen locknut ⑫, tighten pushing bolt ⑬ of front circle guide ② to maintain clearance H between machined surface ⑨ of the case at the bottom of the pinion gear and the circle and circle guide contact surface ⑩, then tighten locknut ⑫.

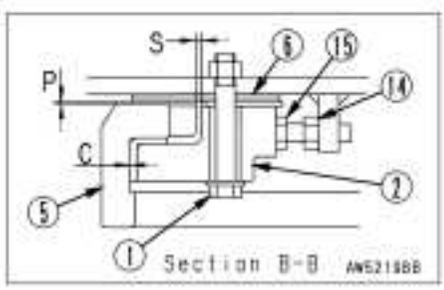


5. Check clearance H between machined surface ⑨ of the case at the bottom of pinion gear and the circle and circle guide contact surface ⑩ again. Then loosen locknut ⑭, tighten pusher bolt ⑮ of center circle guide ③, set clearance C between center circle guide ③ and circle ⑤ to 0.7 mm (0.028 in), then tighten locknut ⑭.



6. Adjust pusher bolt ⑧ so that clearance R between rear circle guide ④ and circle ⑤ is 1.5 mm (0.059 in), then tighten locknut ⑦.

7. Tighten bolt ① and locknuts ⑦, ⑫, and ⑭.



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