Operation & Maintenance Manual

VEAM190200

WA480-5H

WHEEL LOADER

SERIAL NUMBERS H60409 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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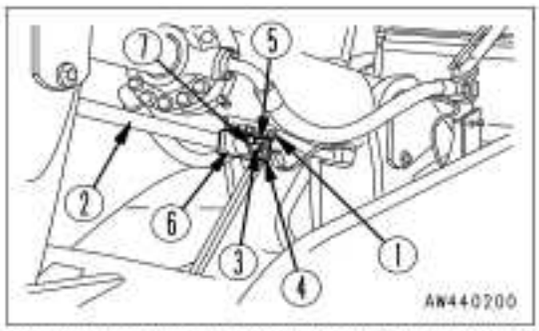
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ADJUSTING BUCKET POSITIONER

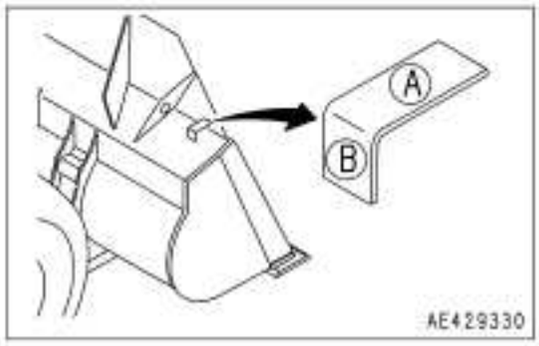
1. Lower the bucket to the ground, set to the desired digging angle, return the bucket control lever to the HOLD position, then lock the work equipment control lever with the safety lock lever and stop the engine.
2. Loosen 2 bolts (1), adjust the position of mounting bracket (4) of the proximity switch so that the rear tip of bar (2) is in line with the center of the sensing surface of proximity switch (3), then tighten bolts to hold the bracket in position.
3. Loosen 2 bolts (5), adjust so that the clearance between bar (2) and support (6) is 0.5 to 2 mm ((0.020 to 0.079 in)), then tighten bolts (5) to hold in position.



4. Loosen 2 nuts (7), adjust so that the clearance between bar (2) and the sensing surface of proximity switch (3) is 3 to 5 mm ((0.118 to 0.197 in), then tighten the nuts to hold in position.
   Tightening torque:17.2 ± 2.5 N²m (1.75 ± 0.25 kgf²m, 12.7 ± 1.8 lbft))
5. After adjusting, start the engine and raise the lift arm. Operate the bucket control lever to the DUMP position, then operate it to the TILT BACK position and check that the lever is automatically returned to the HOLD position when the bucket reaches the desired digging angle.

BUCKET LEVEL INDICATOR

(A) and (B) at the top rear of the bucket are the level indicators, so the bucket angle can be checked during operations.
(A): Parallel with cutting edge
(B): 90 degrees to cutting edge



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SERVICE PROCEDURE

INITIAL 250 HOURS SERVICE

Carry out the following maintenance only after the first 250 hours.

- CHANGE TRANSMISSION OIL FILTER CARTRIDGE
- REPLACE HYDRAULIC FILTER ELEMENT

For details of the method of replacing or maintaining, see the section on EVERY 1000 HOURS and 2000 HOURS SERVICE.

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LIMIT VALUES FOR SLOPES

Maximum slope angle for machine operation

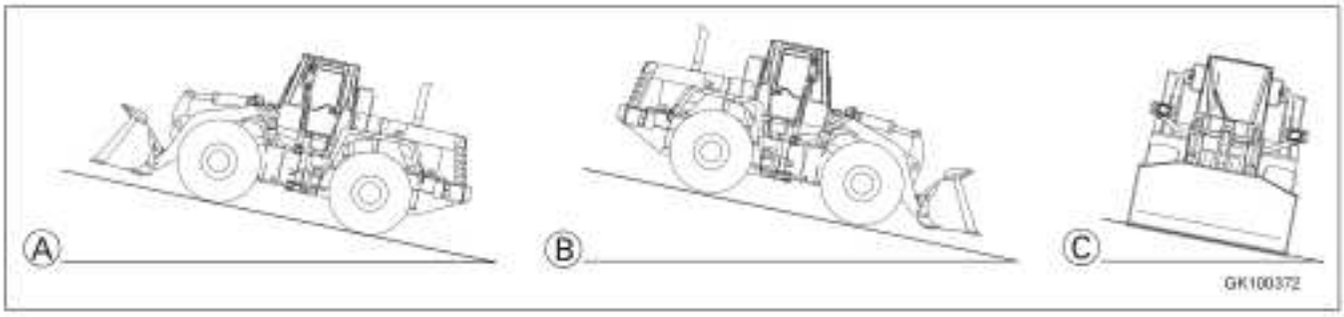
If operating the machine on a slope, its angle must not exceed 35° uphill, downhill or sideways. If you angle the machine at more than 35° during operation, the motor, transmission, hydraulic system or axles, will not be supplied with sufficient oil and can be damaged.

A	uphill	26°
B	downhill	35°
C	sideways	15°

Tilt angle

The tipping angle is a calculated value. This states the angle at which the machine at rest can stand on a slope without tipping over. You must not work with the machine at these angles as the motor, transmission, hydraulic system or axles, will not be supplied with sufficient oil and can be damaged. The specified angle refers to the transport position. The angle changes if you raise or lower the work unit.

A	uphill with operating load	61,9°
	uphill without operating load	50,6°
B	downhill with operating load	35,2°
	downhill without operating load	56°
C	lateral with operating load	40,7°
	lateral without operating load	42°



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