CEAM001302

Operation & Maintenance Manual

KOMATSU®

WA180-3
WA180L-3

WHEEL LOADER

SERIAL NUMBERS WA180-3 A80001 and up
WA180L-3 54001 and up

ENGINE 6D102E-1

April 2016

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PRODUCT PUBLICATIONS INFORMATION

VARIOUS PRODUCT PARTS & SERVICE PUBLICATIONS ARE AVAILABLE TO ALL **KOMATSU** CONSTRUCTION EQUIPMENT OWNERS, INCLUDING OPERATION & MAINTENANCE MANUALS, PARTS BOOKS AND SHOP MANUALS.

SPECIAL PUBLICATIONS SUCH AS SERVICE TOOL, AIR CONDITIONING, AND TURBOCHARGER SHOP MANUALS ARE ALSO AVAILABLE AS WELL AS SELECTED OPERATION & MAINTENANCE AND SHOP MANUALS IN FOREIGN LANGUAGES.

THE PUBLICATIONS LISTED BELOW ARE AVAILABLE FOR THIS PARTICULAR MACHINE(S).

DESCRIPTION	FORM NUMBER
PARTS BOOK - PAPER:	
Engine and Chassis	BEPB002100
PARTS BOOK - MICROFICHE:	
Engine and Chassis	BEPM002100
OPERATION & MAINTENANCE MANUAL:	
Chassis	CEAM001300
SHOP MANUAL:	
Chassis	CEBM001100
Engine	SEBM010002
SAFETY MANUAL	WLT70-1

PARTS AND SERVICE PUBLICATIONS CAN *ONLY* BE ACQUIRED BY AUTHORIZED KOMATSU DISTRIBUTORS, USING THE KOMATSU AMERICA INTERNATIONAL COMPANY PARTS INVENTORY PROCESSING SYSTEM (PIPS).

IF THE PIPS SYSTEM IS NOT AVAILABLE AT THE DISTRIBUTOR LOCATION, THEN THE FOLLOWING REQUISITION FOR TECHNICAL SERVICE PUBLICATIONS AND SERVICE FORMS CAN BE USED. FORM KDC91D IS SHOWN ON THE REVERSE SIDE OF THIS PAGE.

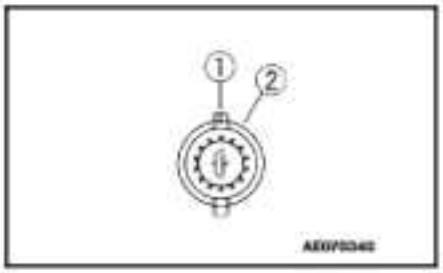
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2. TRANSMISSION CUT-OFF SWITCH

⚠ WARNING

If the machine has to be stared on a slope, always turn the transmission cut-off switch to OFF and depress the left brake pedal. Then depress the accelerator pedal while releasing the left brake pedal to start the machine off slowly.

Normally, put this switch in ON position.
Position (1) (OFF) Acts as a normal brake (like right brake pedal).
Position (2) (ON): Acts as normal brake, but also switches transmission to NEUTRAL.
If the switch is ON, the transmission cut-off pilot lamp will light up.

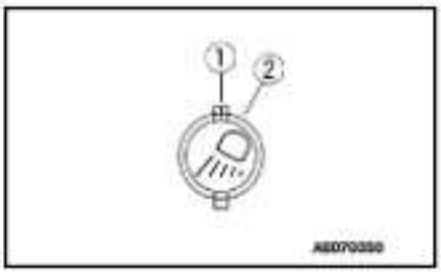


3. WORKING LAMP SWITCH

⚠ WARNING

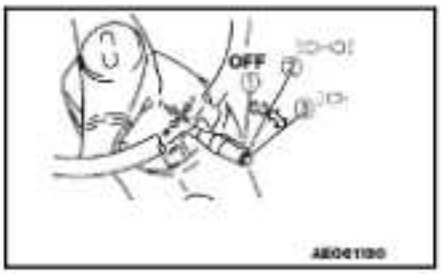
Always turn the working lamp off before traveling on public roads.

When the working lamps are turned ON, the pilot lamp lights up.
Position (1): OFF
Position (2): Lights up



4. LAMP SWITCH

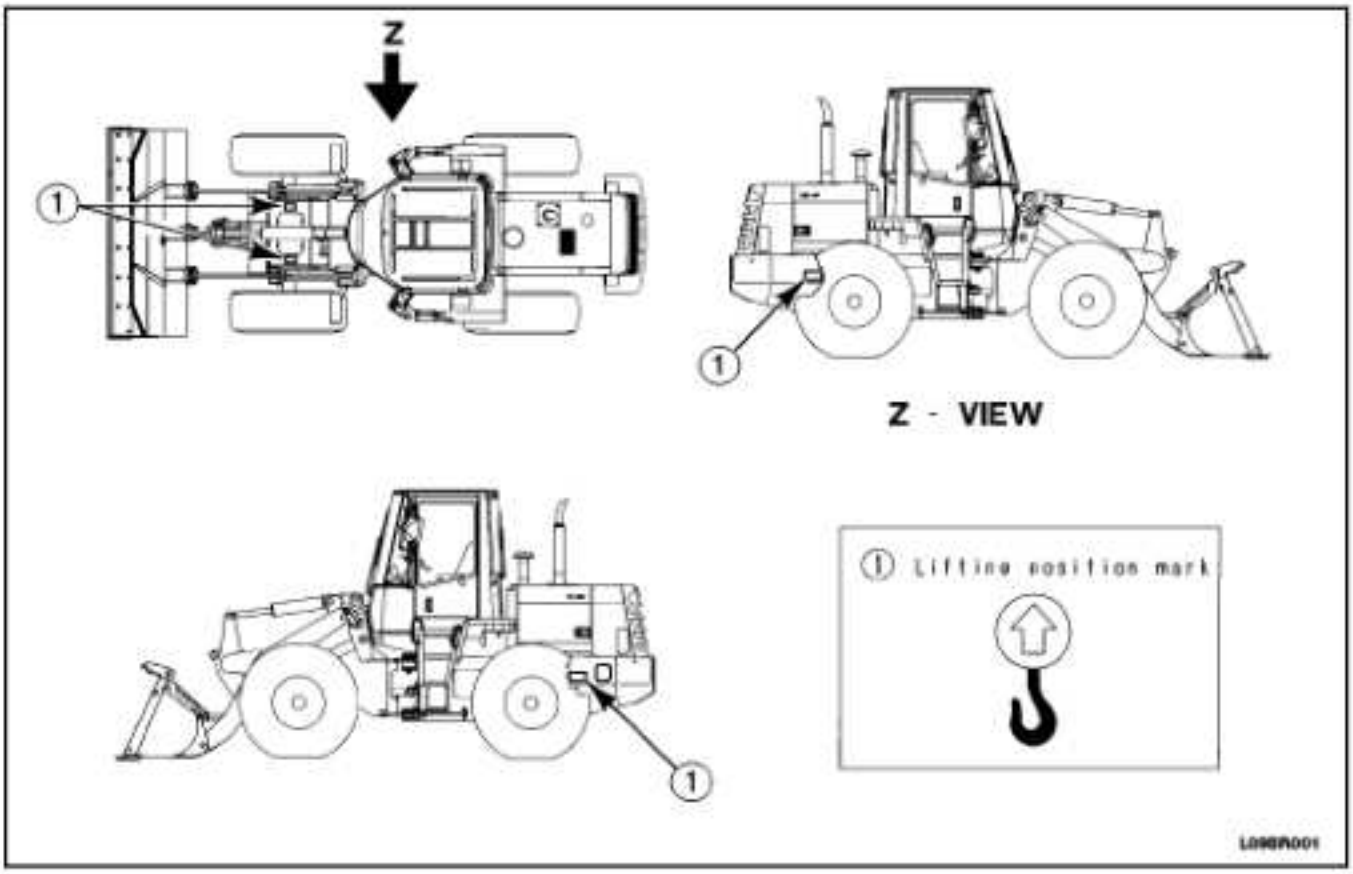
This is used to light up the head lamps, side clearance lamps, tail lamps, and instrument panel lighting.
(1) OFF
(2) position: Side clearance lamp, tail lamps, and gauge lighting light up
(3) position: Head lamps light up in addition to lamps at ②position



REMARKS
The lamp switch can be operated regardless of the position of the lever.

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13.3.1 THE LOCATION OF DECALS REFERRING TO LIFTING POSITIONS

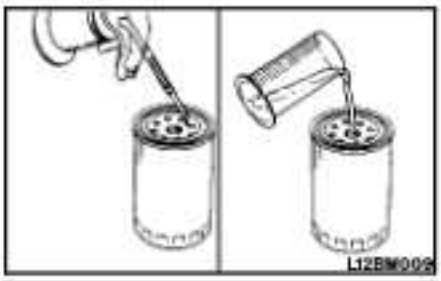


13.3.2 WEIGHT LIST

	VEHICLE WEIGHT	FRONT AXLE WEIGHT	REAR AXLE WEIGHT	POSITION OF THE CENTER OF GRAVITY (FROM FRONT AXLE)
wA180-3	8750 kg	3460 kg	5290 kg	1632 mm

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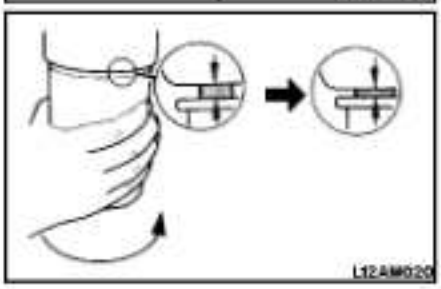
5. Fill the new filters with clean diesel fuel. Then, apply a thin coat of clean engine oil to the seal of the filter.



6. Install the filters on the filter header until the filter seal contacts the seal surface of the filter header and then, turn the filter an additional 1/2 to 3/4 turn by hand.

   Do not over tighten the filter or damage may result to the filter seal or threads.

   Use genuine filters.



7. After replacing the filters, start the engine and idle it for a few minutes. Check the filters for possible fuel leakage.

8. Close the engine hood.

NOTE: Controlled venting is provided at the injection pump through the fuel drain manifold. Small amounts of air introduced by changing the filters or injection pump supply line will be vented automatically, if the fuel filter is changed in accordance with the instructions.

However, manual bleeding will be required if:

- The fuel filter is not filled prior to installation.
- The injection pump is replaced.
- High pressure fuel lines are replaced.

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