CEAM003001

Operation & Maintenance Manual

KOMATSU®

WA600-3

WHEEL LOADER

SERIAL NUMBERS **WA600-3L - A52001** and up

August 1998

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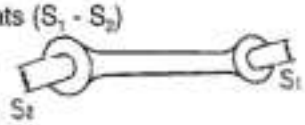
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21. STANDARD TIGHTENING TORQUE FOR NUTS AND BOLTS

21.1 INTRODUCTION OF NECESSARY TOOLS

The following tools are needed when carrying out maintenance.

No.	Name of tool	Part No.	Remarks
1	Wrench set	09000-30006	Applicable width across flats (S_1 - S_2) 8 mm - 10 mm 12 mm - 14 mm 13 mm - 17 mm 19 mm - 22 mm 24 mm - 27 mm 30 mm - 32 mm 
2	Socket wrench set	09020-10284	
3	Screwdriver	09033-00190	Cross head/flat head interchangeable type
4	Wrench	09014-10200	
5	Pliers	09036-00150	
6	Wrench	09001-03600	36 jaw
7	Filter wrench	09019-08035	For filter cartridge
8	Bar	424-98-11130	
9	Tire gauge	09289-00000	
10	Grease pump	07952-80002	For greasing work
11	Nozzle	07951-11400	Hose nozzle for grease pump
12	Grease cartridge	07950-90403	(Lithium base grease: 400 g)
13	Thickness gauge	09054-00009	
14	Hammer	09039-00150	
15	Socket	09084-04157	For bucket teeth
16	Plate	09963-03000	Warning tag

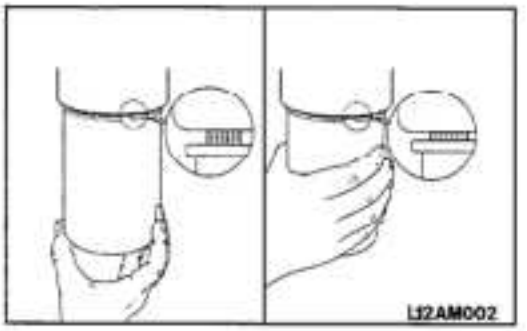
If any of the above tools are broken, please order them from your distributor.

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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 ½ to 3/4 turn by hand.

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

   Use only genuine replacement filters.



7. After replacing the filters, start the engine and allow it to run at idle for a few minutes. Check for leaks at the filters.

8. Close the engine side access cover.

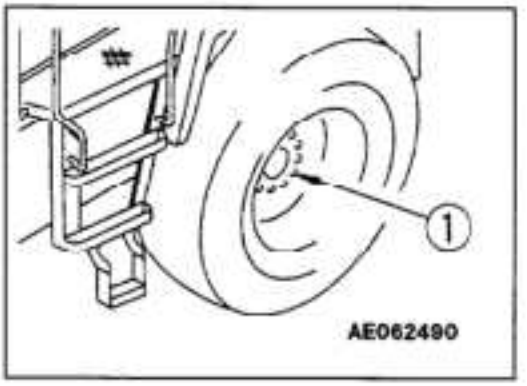
24.6.3 CHECK FOR LOOSE WHEEL HUB NUTS, TIGHTEN

If wheel hub nuts (1) are loose, tire wear will be increased and accidents could happen. If any nuts are loose, tighten them to the specified torque.

Torque: 470 ± 49 N•m (48 ± 5 kgm, 347 ± 36 lb ft)

If any stud is broken, replace all studs for that wheel.

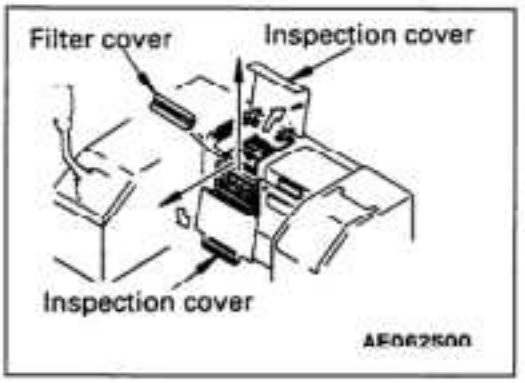
Always rotate in the direction of tightening when checking for loose nuts.



24.6.4 CLEAN ELEMENT IN AIR CONDITIONER RECIRCULATION FILTER

1. Open the filter inspection cover, remove the filter cover, then remove the filter in the direction of the arrow. When removing the filter to the side, put your weight on the seat, and push down.

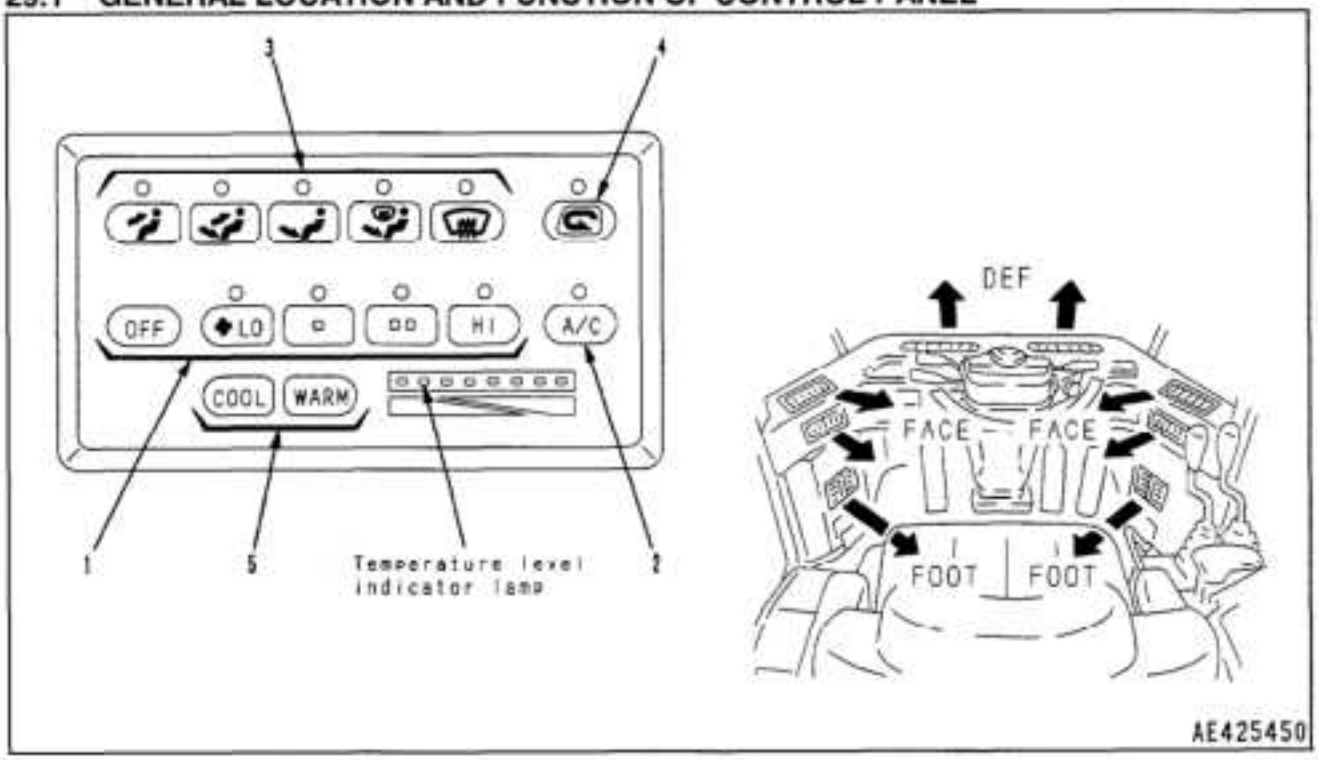
2. Direct compressed air (less than 7 kg/cm2 (100 psi)) to the filter from the inside along its folds, then direct it from the outside along its folds and again from the inside. Check the filter for damage and/or deterioration. If the filter is extremely dirty, rinse it in water. After rinsing the filter, dry it completely before installing it again.



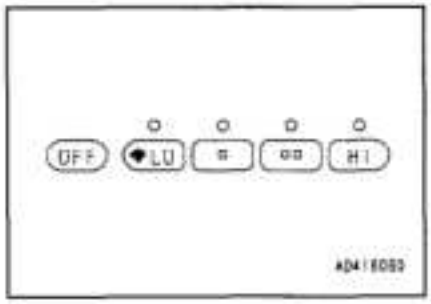
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29. AIR CONDITIONER

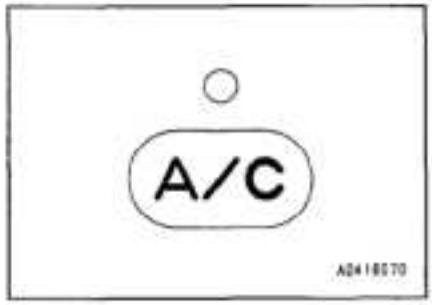
29.1 GENERAL LOCATION AND FUNCTION OF CONTROL PANEL



1. FAN SWITCH
This switch can be used to adjust the air flow to four stages. This switch also acts as the main switch for the air conditioner. When the switch is pressed, the indicator lamp above the switch lights up to indicate the air flow.



2. AIR CONDITIONER SWITCH
This switch is used to start or stop the cooling or dehumidifying function. When the fan switch is turned ON and the air conditioner switch is pressed, the indicator lamp above the switch lights up. When the switch is pressed again, the switch is turned OFF and the indicator lamp goes out.



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