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SEAMA4260100

# Operation & Maintenance Manual

# WA600-1L

## WHEEL LOADER

SERIAL NUMBERS **WA600–1L :A10033** and up

KOMATSU®

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### Circuit breaker I

| No. | Breaker capacity | Circuit |
|---|---|---|
| ① | 20A | Starting switch |
| ② | 10A | Hazard lamp |
| ③ | 10A | Left head lamp |
| ④ | 10A | Right head lamp |
| ⑤ | 20A | Left side clearance lamp |
| ⑥ | 10A | Right side clearance lamp |

### Circuit breaker II

| No. | Breaker capacity | Circuit |
|---|---|---|
| ① | 20A | Head lamp, parking lamp<br>Clearance lamp, Tail lamp |
| ② | 10A | Turn signal lamp |
| ③ | 10A | Brake lamp, Back up lamp |
| ④ | 10A | Transmission control valve |
| ⑤ | 10A | Horn, Parking brake |
| ⑥ | 10A | – |

### Circuit breaker III

| No. | Breaker capacity | Circuit |
|---|---|---|
| ① | 20A | APS (automatic priming system) |
| ② | 10A | APS (automatic priming system) |
| ③ | 10A | Monitor panel |
| ④ | 10A | Bucket positioner<br>Boom kick-out |
| ⑤ | 10A | Rear working lamp |
| ⑥ | 10A | Front working lamp (If equipped) |

### Circuit breaker IV

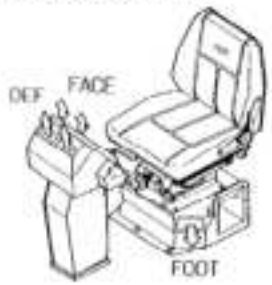
| No. | Breaker capacity | Circuit |
|---|---|---|
| ① | 20A | Air conditioner (Fan outside room)<br>(If equipped) |
| ② | 10A | Air conditioner (Fan inside room)<br>(If equipped) |
| ③ | 10A | Radio (If equipped), Room lamp<br>(If equipped) |
| ④ | 10A | Cigarette lighter (If equipped) |
| ⑤ | 10A | Rear wiper (If equipped)<br>Rear washer (If equipped) |
| ⑥ | 10A | Front wiper (If equipped)<br>Front washer (If equipped) |



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## METHOD OF OPERATION

### SELECTING AIR VENT




| Purpose \ Vent | FACE | FOOT | DEF |
|---|---|---|---|
| Cooling | Open | Open or closed | Closed |
| Heating | Open or closed | Open | Open or closed |
| Defrosting | Closed | Open or closed | Open |
| Ventilation | Open | Open | Open |

★ The effectiveness of the air conditioning system can be increased by selecting the most suitable vent.

★ Do not turn the fan switch on when all the vents are closed.

### OPERATION OF CONTROL PANEL

| Purpose \ Lever, switch | | Fan switch | Air conditioner switch | Temperature control lever | Air selector lever |
|---|---|---|---|---|---|
| Cooling | Quick | H | ON | COOL (moved fully to COOL side) | REC |
| | Normal | H – L | ON | COOL – Middle | FRE |
| Dehumidifying, heating | | H – L | ON | Middle – WARM | FRE |
| Heating | Quick | H | OFF | WARM (moved fully to WARM side) | REC |
| | Normal | H – L | OFF | Middle – WARM | FRE |
| Defrosting | | H | ON | Middle – WARM (to remove frost quickly or to prevent the window from misting up, move the lever to the top) | FRE |
| Ventilation or pressurizing | | H – L | OFF | COOL (move fully to COOL side) | FRE |

★ If the outside air is extremely dusty, set the fan switch to the H position. This will pressurize the cab and prevent the dust from entering.



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| No. | ITEM | SERVICE | PAGE |
|---|---|---|---|
| | (EVERY 1000 HOURS SERVICE) | | |
| -6 | Upper drive shaft | Lubricate 2 points | 113 |
| -7 | Parking brake linkage | Lubricate 2 points | 113 |
| d | Turbocharger various fasteners | Check and retighten | 113 |
| e | Fuel strainer | Check and clean | 113 |
| f | Corrosion resistor | Replace cartridge | 114 |
| | EVERY 2000 HOURS SERVICE | | |
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| b | Axle (Front and rear) | Change oil | 116 |
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| d | Hydraulic tank breather | Replace element | 118 |
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| f | Engine breather | Clean element | 119 |
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| h | Turbocharger rotor | Check play | 120 |
| i | Turbocharger | Check and clean | 121 |
| j | Alternator and starting motor | Check | 121 |

| No. | ITEM | SERVICE | PAGE |
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| l | Brake disc | Check and repair | 121 |
| m | Bucket hinge pin and bucket link pin | Change oil | 121 |
| | | | |
| | EVERY 4000 HOURS SERVICE | | |
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| | | | |
| | WHEN REQUIRED | | |
| a | Cooling system | Clean | 123 |
| b | Air cleaner element | Check, clean or replace when required | 126 |
| c | Transmission | Check and supply | 128 |
| d | Radiator fins | Clean | 129 |
| e | Axle oil | Check and supply | 129 |
| f | Lubricating | | 130 |
| -1 | Work equipment control valve linkage | Lubricate 2 points | 130 |



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