TEN00612-05

Operation & Maintenance Manual

WHEEL LOADER **WA320-7**

SERIAL NUMBERS 80001 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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MAX. TRACTION SWITCH (WA320-C7L1-043-K-00-A)

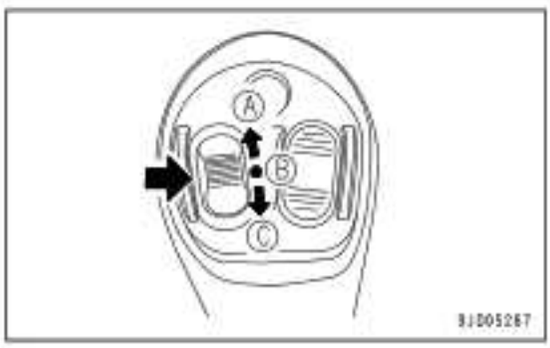
Use this switch (21) to cancel the traction control or S mode.
Use the traction control switch to select traction control ON or S mode.
When the traction control ON or S mode selection is active, if switch (21) pressed, the traction control or S mode is cancelled and the maximum traction becomes larger. At the same time, the traction control operation pilot lamp or S mode operation pilot lamp on the machine monitor goes out.
To return to the traction control ON or S mode state, press switch (21) again or change the position of the directional lever.



REMARK
Use this function for scooping-up operations or other operations where the maximum traction is desired.

PCS (Proportional Control Switch) (WA320-PTDV-100-K-00-A)

(if equipped)
This switch (22) is used to operate the attachment.
Position (A): Expand left cylinder (retract right cylinder)
Position (B): HOLD
Position (C): Expand right cylinder (retract left cylinder)

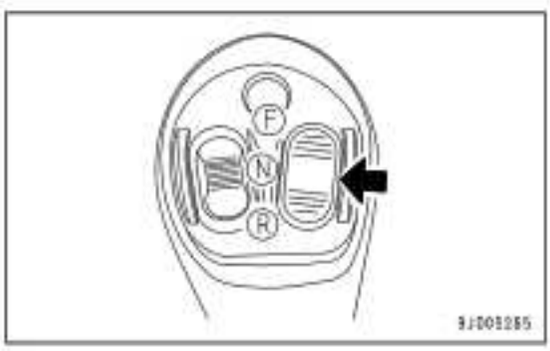


DIRECTIONAL SELECTOR SWITCH (WA320-C7N1-043-K-00-A)

This switch (23) is used to set the travel direction to forward, neutral, and reverse.
Position (F): Forward
Position (N): Neutral
Position (R): Reverse
Before operating this switch, check that the condition is as follows.

- Directional lever is at N
- Directional selector switch actuation switch is at ON

If the condition is not as above, the switch will not work.
For detail, see "SHIFT BETWEEN FORWARD AND REVERSE (PAGE 3-181) ".



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TRANSPORTATION (ALL-0000-810-K-00-A)

When transporting the machine, observe all related laws and regulations, and be careful to assure safety.

TRANSPORTATION PROCEDURE (WA320-0000-813-K-00-A)

When transporting the machine, select the transportation method in reference to the weight and dimensions shown in "SPECIFICATIONS (PAGE 5-2) ".
Note that the "machine specifications (weight and dimension)" vary depending on the type of tire and bucket.

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EVERY 500 HOURS MAINTENANCE (ALL-33C0-015-A-05-A)

Maintenance for every 50, 100 and 250 hours should be carried out at the same time.

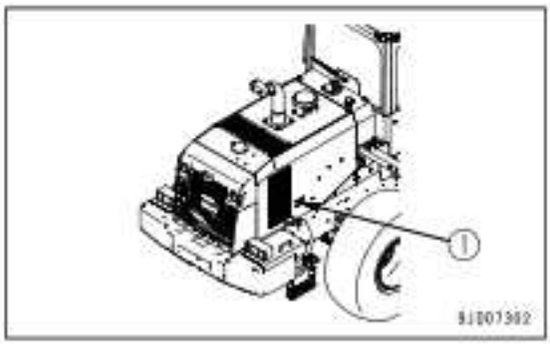
CHANGE OIL IN ENGINE OIL PAN, REPLACE ENGINE OIL FILTER CARTRIDGE (WA320-AB02-923-K-00-A)

⚠ WARNING

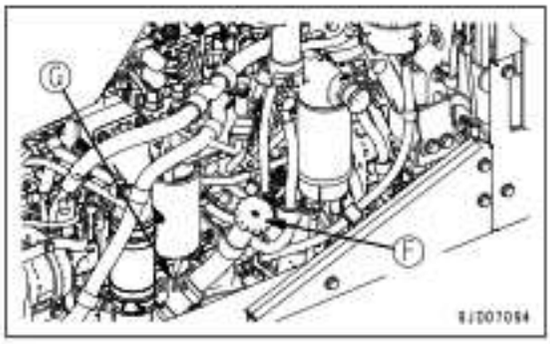
- **Immediately after the engine is stopped, its parts and oil are still very hot, and may cause burn injury. Accordingly, wait until they have cooled down before starting the work.**
- **When removing the oil filler cap, the oil may spout out. Turn it slowly to release the internal pressure, then remove it with care.**

- Refill capacity: 23 liters (6.08 US gal)
- Prepare a filter wrench

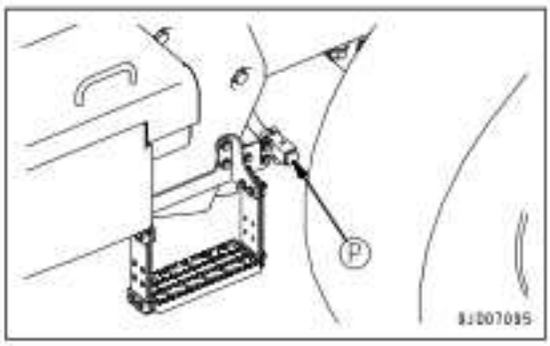
1. Open the engine side cover (1) on the right side of the machine.



2. Open engine oil filler (F).



3. Place a container directly under drain plug (P) to catch the drained oil.
4. Loosen drain plug (P) to drain the oil.
5. Check the drained oil, and if there are excessive metal particles or foreign material, contact your Komatsu distributor.
6. Tighten drain plug (P).



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