CEAM023502

Operation & Maintenance Manual

WA470-6

WHEEL LOADER

SERIAL NUMBERS WA470-6 A46001 and up

ENGINE 6D125E-5

March 2016

KOMATSU®

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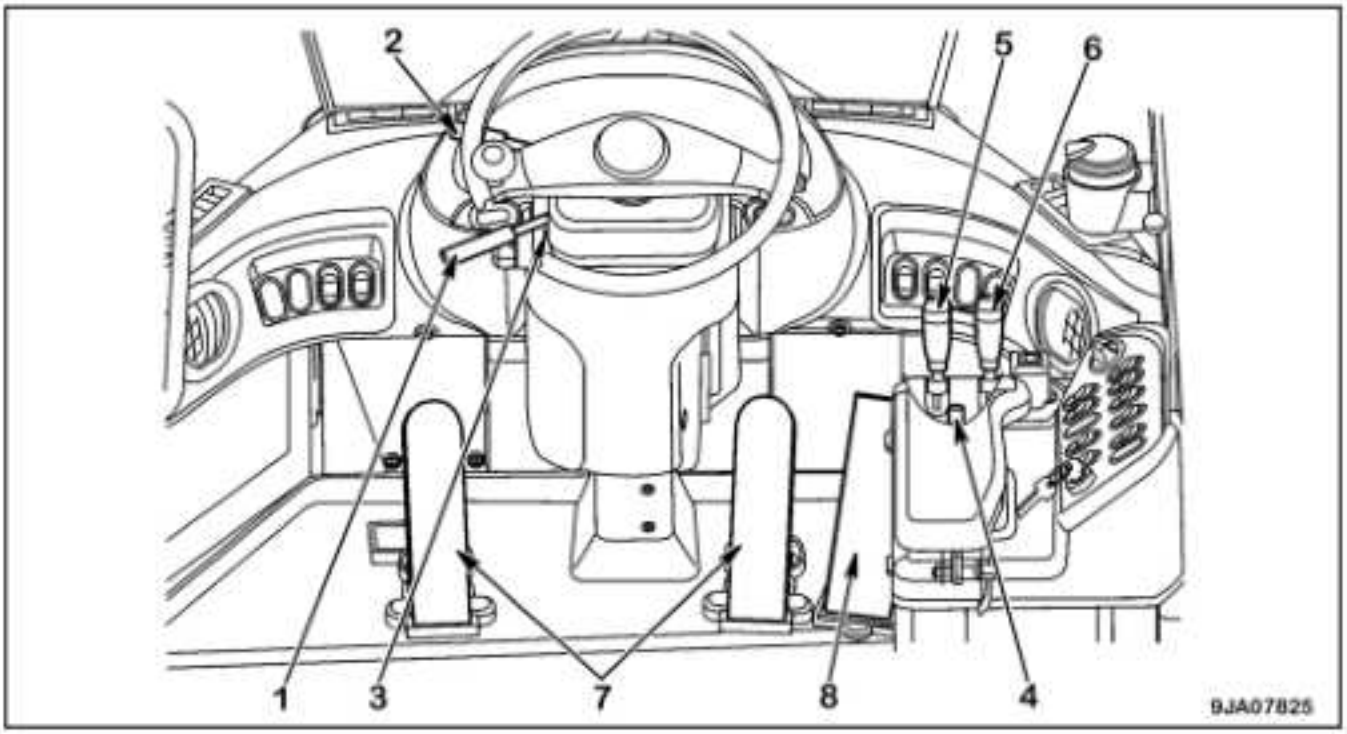
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CONTROL LEVERS, PEDALS

General View



1. Gearshift lever
2. Directional lever
3. Gearshift lever stopper
4. Work equipment lock lever
5. Bucket control lever
6. Lift arm control lever
7. Brake pedals
8. Accelerator pedal

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LIFTING MACHINE

WARNING

- **The person using the crane to carry out lifting operations MUST be a qualified crane operator.**
- **Never carry out lifting operations if any person is on the machine being lifted.**
- **Always use a wire rope that has ample strength for the weight of the machine being lifted.**
- **Keep the machine horizontal when lifting it.**
- **Never enter the area under or around a raised machine. There is danger that the machine may lose its balance.**
- **Before lifting the machine, do the following steps to prevent the machine from moving unexpectedly.**
  - **Set the parking brake switch to the ON position.**
  - **Set the work equipment lock lever to the LOCK position.**
  - **Set the frame lock bar to the LOCK position.**
- **When lifting the machine, the wire rope must be fitted correctly or the machine may fall and cause serious injury or even death.**

Remark

The lifting procedure applies to machines with standard specifications.

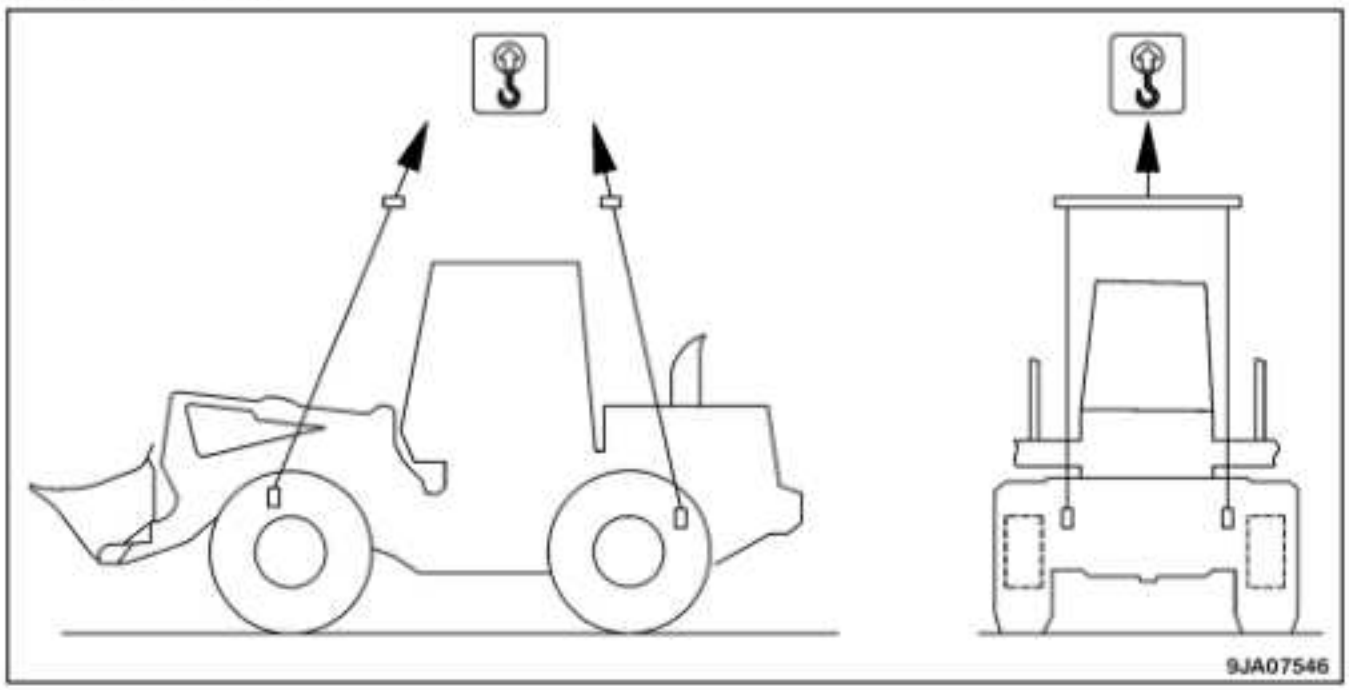
The method of lifting may differ depending on the attachments and options installed.

For details about lifting a machine that does not conform to standard specifications, contact your Komatsu distributor.

Remark

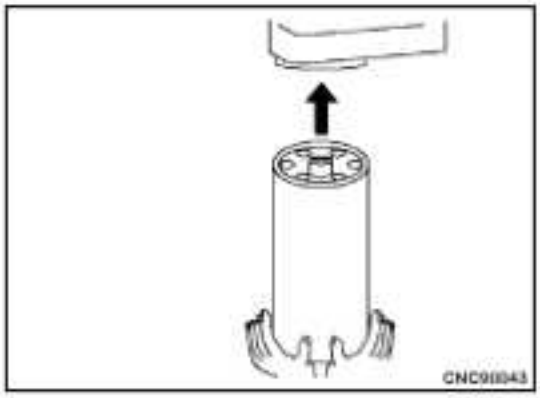
For details about the weight of the machine, see "SPECIFICATIONS" on page 4-2.

Lifting Position



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9. Install the filter cartridge to the filter holder.
   - When installing the filter cartridge, tighten until the packing surface contacts the seal surface of the filter holder and then tighten it 3/4 of a turn.
   - If the filter cartridge is tightened too far, the packing will be damaged; this will lead to leakage of fuel. If the filter cartridge is too loose, fuel will leak from the packing. Always tighten the filter cartridge the correct amount.
   - ★ When tightening with a filter wrench, be extremely careful not to dent or damage the filter.



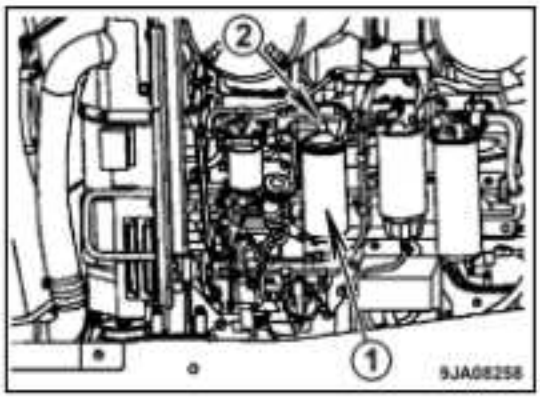
10. After replacing the fuel main filter cartridge, bleed the air from the fuel line.

Bleeding Air from Fuel Line

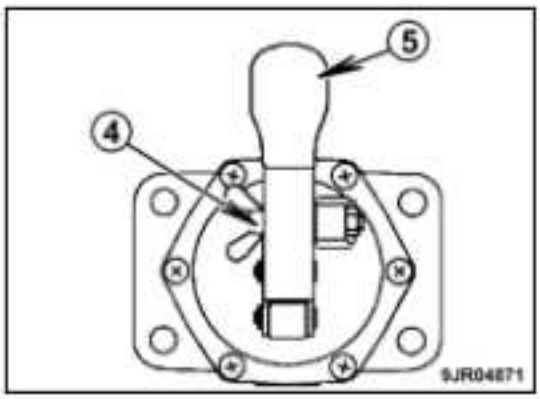
1. Fill the fuel tank with fuel.

   Fuel capacity: . . . . . 413 liters (109.10 US gal)

2. Open the engine side cover on the right side of the chassis.
3. After replacing filter cartridge (1), loosen air bleed plug (2).
   - ★ Do not loosen the plug at the filter stand of the fuel prefilter. If it is loosened, air is not bled.



4. Loosen wing bolt (4) which is fixing lever (5) of priming pump (3).
5. Move lever (5) up and down to let fuel flow out of air bleeding plug (2) until bubbles do not come out any more.

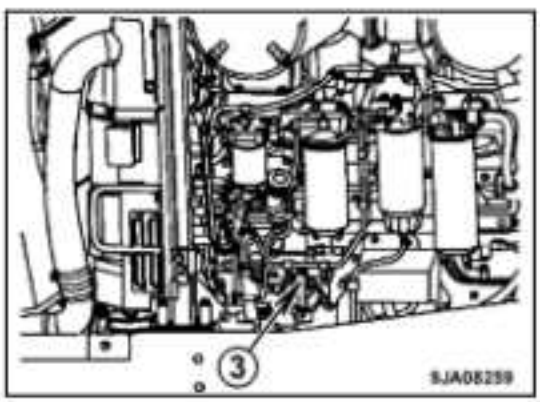


⚠ WARNING

Pressing by foot may cause the priming pump to break and fuel to leak.

Do not press the lever after finishing the air bleeding operation.

6. Tighten air bleeding plug (2) and then tighten wing bolt (4) of priming pump (3) securely to lock lever (5).
7. After completing the air bleeding, start the engine and check that there is no leakage of fuel from the filter seal surface.
   - If there is any leakage of fuel, check the tightening of the filter cartridge.
   - If there is still leakage of fuel, return to the Replace Fuel Main Filter Cartridge procedure and follow Steps 1 and 4 to remove the filter cartridge, then check the packing surface for damage or foreign material. If any damage or foreign material is found in the packing, replace the cartridge with a new part, then repeat Steps 5 - 10 to install the filter cartridge.



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