CEAM009302

Operation & Maintenance Manual

KOMATSU®

WA380-5L

WHEEL LOADER

SERIAL NUMBERS WA380-5L A52001 and up

ENGINE 6D114E-2

April 2016

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OPERATION

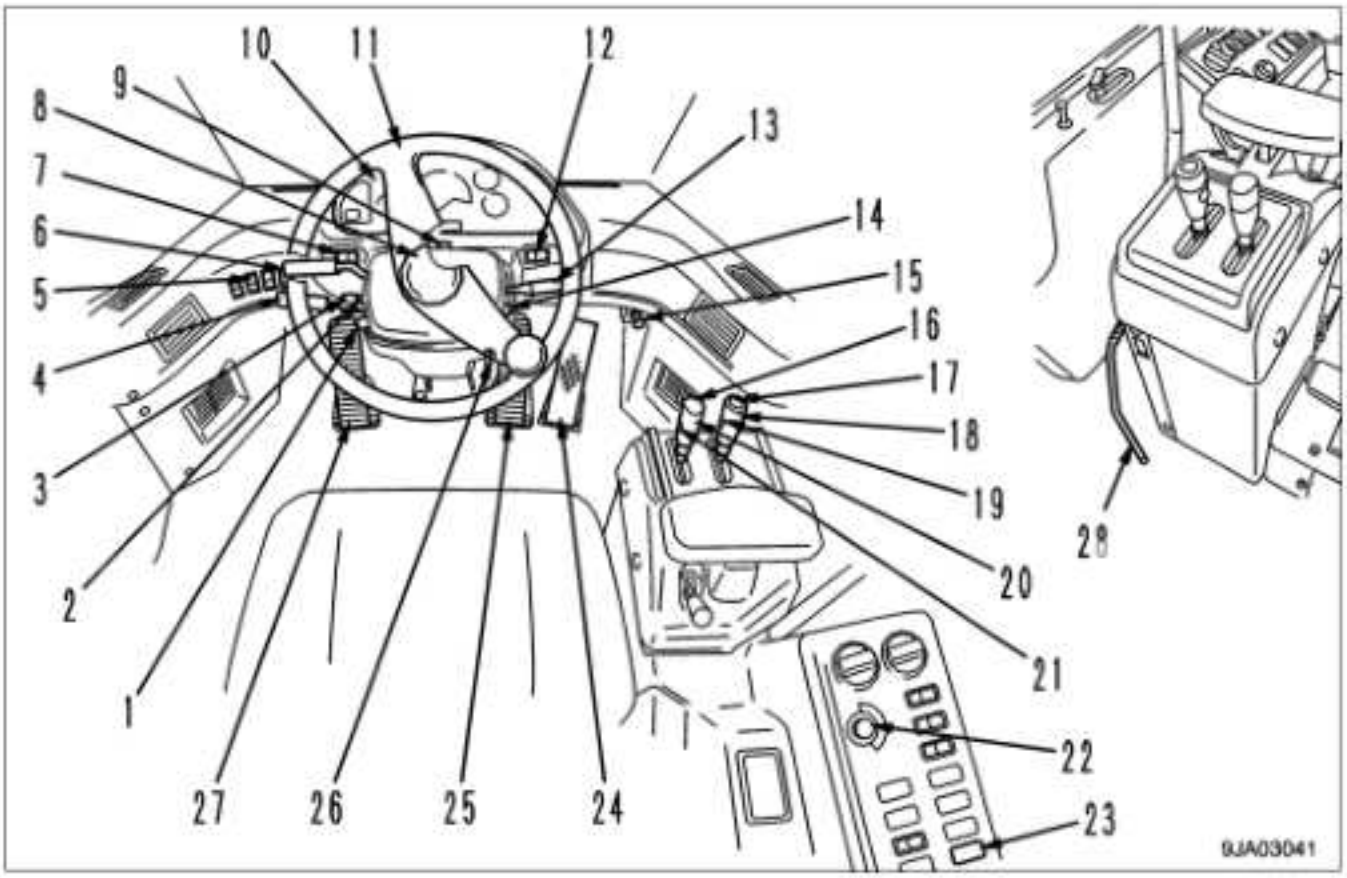
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INSIDE VIEW OF THE CAB



1. Directional lever stopper
2. Rear wiper switch
3. Front wiper switch
4. Speed control lever
5. Front switch panel
6. Directional lever
7. E.C.S.S. switch
8. Horn switch
9. Hazard lamp switch
10. Machine monitor
11. Steering wheel
12. Transmission cut-off switch
13. Lamp switch, Turn signal lever, Dimmer switch
14. Parking brake switch
15. Cigarette lighter
16. Load meter cancel switch (if equipped)
17. Kickdown switch
18. Lift arm control lever
19. Hold switch
20. Bucket control lever
21. Load meter subtotal switch (if equipped)
22. Ignition switch
23. Right switch panel
24. Accelerator pedal
25. Right brake pedal
26. Steering tilt lock lever
27. Left brake pedal
28. Safety lock lever

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USING WIRE ROPE

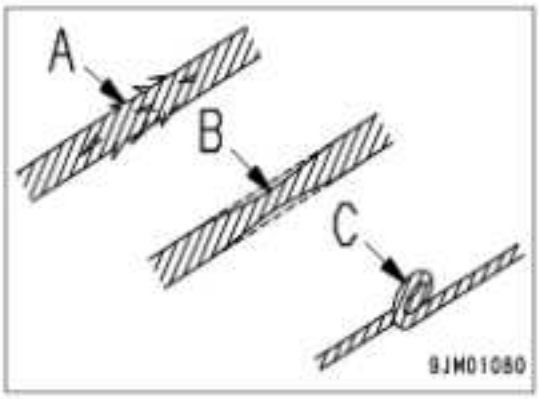
⚠ WARNING

- **When lifting the machine, if the wire rope is not installed correctly on the machine, the machine may fall and cause serous injury or even death. Raise the machine 100 to 200 mm (3.9 to 7.9 in) from the ground, check to be sure the machine is horizontal, level and that there is no slack in the wire rope, then continue to lift the machine.**
- **Before lifting the machine, always stop the engine and lock the brakes. Lock front frame and rear frame with safety bar.**
- **Lifting operations using a crane must be carried out by a qualified operator.**
- **Never raise the machine with any personnel on it.**
- **Always make sure that the wire rope used for lifting the machine is of ample strength for the weight of the machine.**
- **When carrying out the lifting operation, please contact your Komatsu distributor.**

The lifting procedure applies to machines with standard specifications.The method of lifting differs according to the attachments and options actually installed. In such cases, contact your **Komatsu** distributor for information.

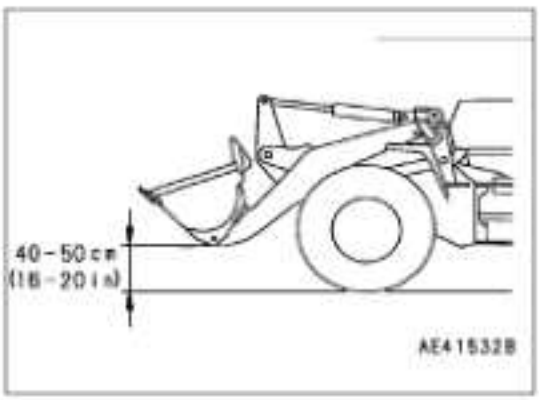
For details of the weight. See "WEIGHT TABLE" on page (2-79)

Never use a wire rope which has cut strands (A), reduced diameter (B), or kinks (C). There is danger that the rope may break during the lifting process.



PRE LIFTING PROCEDURES

1. Start the engine and raise the work equipment to the travel height and roll the bucket back. Be sure the bucket is empty.



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GREASE

- Grease is used to prevent twisting and noise at the joints.
- The grease fittings not included in the MAINTENANCE section are grease fittings for overhaul, so they do not need grease.
- If any part becomes stiff or makes noise after being used for long time, apply grease.
- Always wipe off all of the old grease that is pushed out when greasing.
- Be particularly careful to wipe off the old grease in places where sand or dirt sticking in the grease would cause wear of the rotating parts.

PERFORMING KOWA (KOMATSU OIL WEAR ANALYSIS)

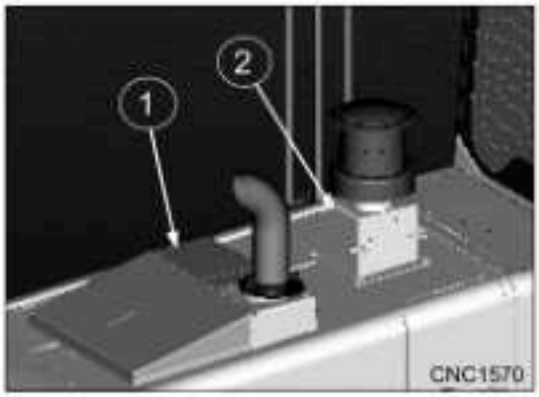
KOWA (Komatsu Oil Wear Analysis) is a maintenance service that makes it possible to prevent machine failures and down-time. With KOWA, the oil is periodically sampled and analyzed. This enables early detection of wear of the machine drive parts and other abnormalities.

Periodic use of KOWA makes the following possible:

- It enables the accurate understanding of the machine condition by utilizing our long experience and accumulated data base.
- The report on the result of analysis and recommendation will be delivered to the customer soon at low cost (only the actual expenses will be charged). Use of this service is strongly recommended.

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★ Air Cleaner and Exhaust area



Inspect areas (1) and (2) for excessive build up of trash.

After cleaning grease the machine to push any water out of the pivot point connections.
Always reinstall all protective covers.

FAN SOLENOID VALVE

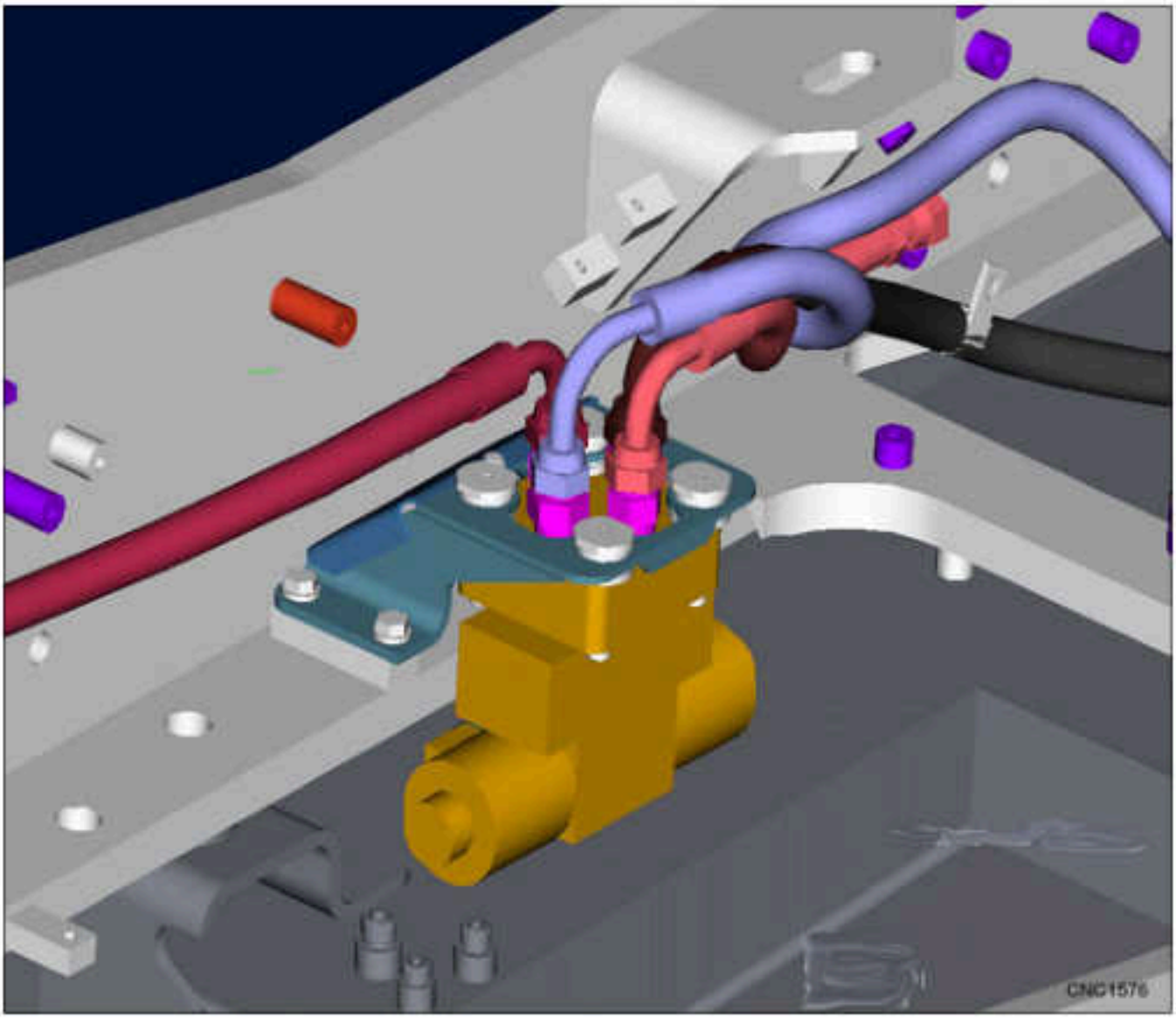
★ Waste Handler

When cleaning the machine, this area should be protected from high pressure water and soaps. Due to the location and design of the fan solenoid valve damage or premature failure may result if high pressure water or soaps come in contact with the solenoid valve assembly. Use only mild soaps and low pressure water to clean this valve.

Remark

This valve area should be cleaned every 250 hours of operation.

When washing around this area it is advised to protect this component with a plastic cover.



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