SEBM016503

SHOP MANUAL

KOMATSU®

avance

WA30-5

MACHINE MODEL

WA30-5

SERIAL NUMBER

22005 and up

- This shop manual may contain attachments and optional equipment that are not available in your area. Please consult your local Komatsu distributor for those items you may require. Materials and specifications are subject to change without notice.

- WA30-5 mount the 3D84E-3D and 3D84E-5X engine.
  For details of the engine, see the 68E-88E Series Engine Shop Manual.

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STRUCTURE AND FUNCTION

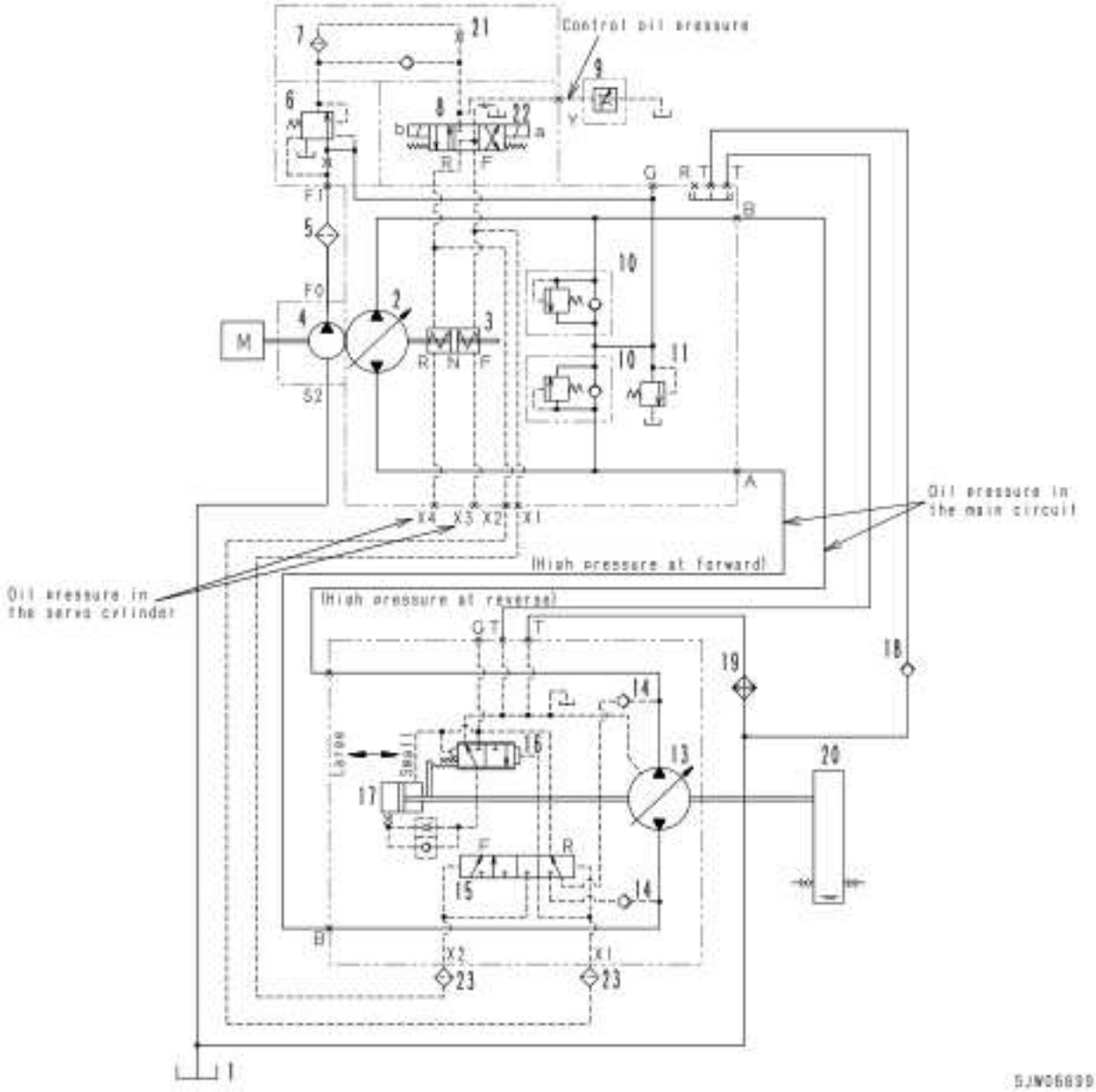
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TESTING AND ADJUSTING

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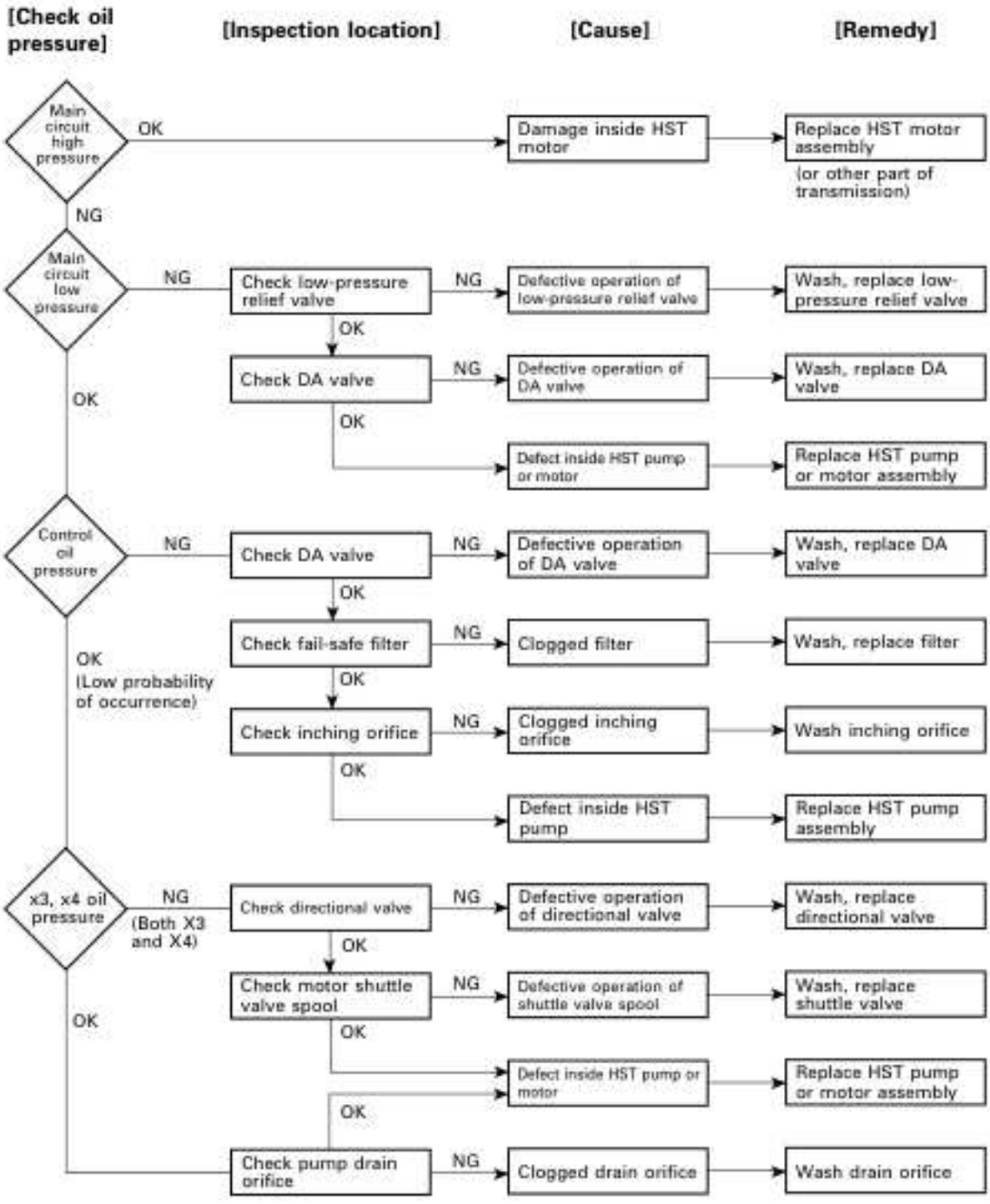
HST HYDRAULIC CIRCUIT DIAGRAM



1. Hydraulic tank
2. Main piston pump
3. Servo cylinder
4. Charge pump
5. Oil filter
6. Speed related valve (DA valve)
7. Last chance filter
8. Directional selector valve
9. Inching valve
10. High pressure relief valve
11. Low pressure relief valve
12. —
13. Piton motor
14. Check valve
15. Directional shuttle valve
16. Servo valve
17. Servo cylinder
18. Check valve
19. Oil cooler
20. Transfer
21. Orifice (inching)
22. Orifice (drain)
23. Last chance filter

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H-1 Impossible to travel in either direction (FORWARD or REVERSE)

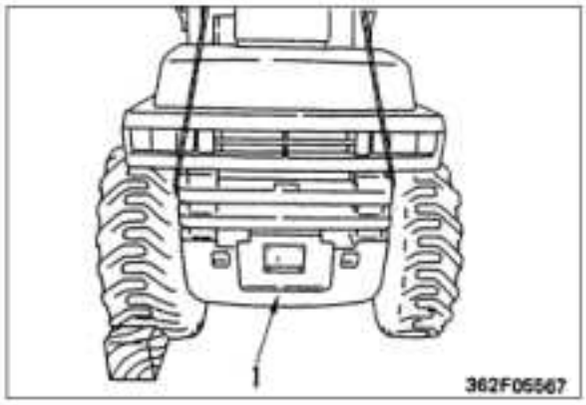


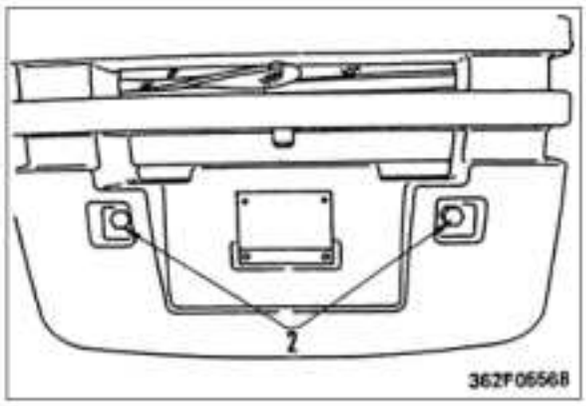
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REMOVAL OF COUNTER-WEIGHT

⚠ Stop the vehicle on level ground and install the safety bar to the frame, then lower the bucket to the ground. Stop the engine and apply the parking brake and put blocks under the wheels to prevent the vehicle from moving.

1. **Counterweight**
   Sling counterweight (1) temporarily, and remove mounting bolts (2). [*1]
   ★ If the counterweight is lowered too much it will interfere with the muffler stack. Accordingly, do not lower it too mach.
   Counter weight: **400 kg**





INSTALLATION OF COUNTER-WEIGHT

- Carry out installation in the reverse order to removal.

[*1]
- Width across flats of mounting bolt: 30 mm

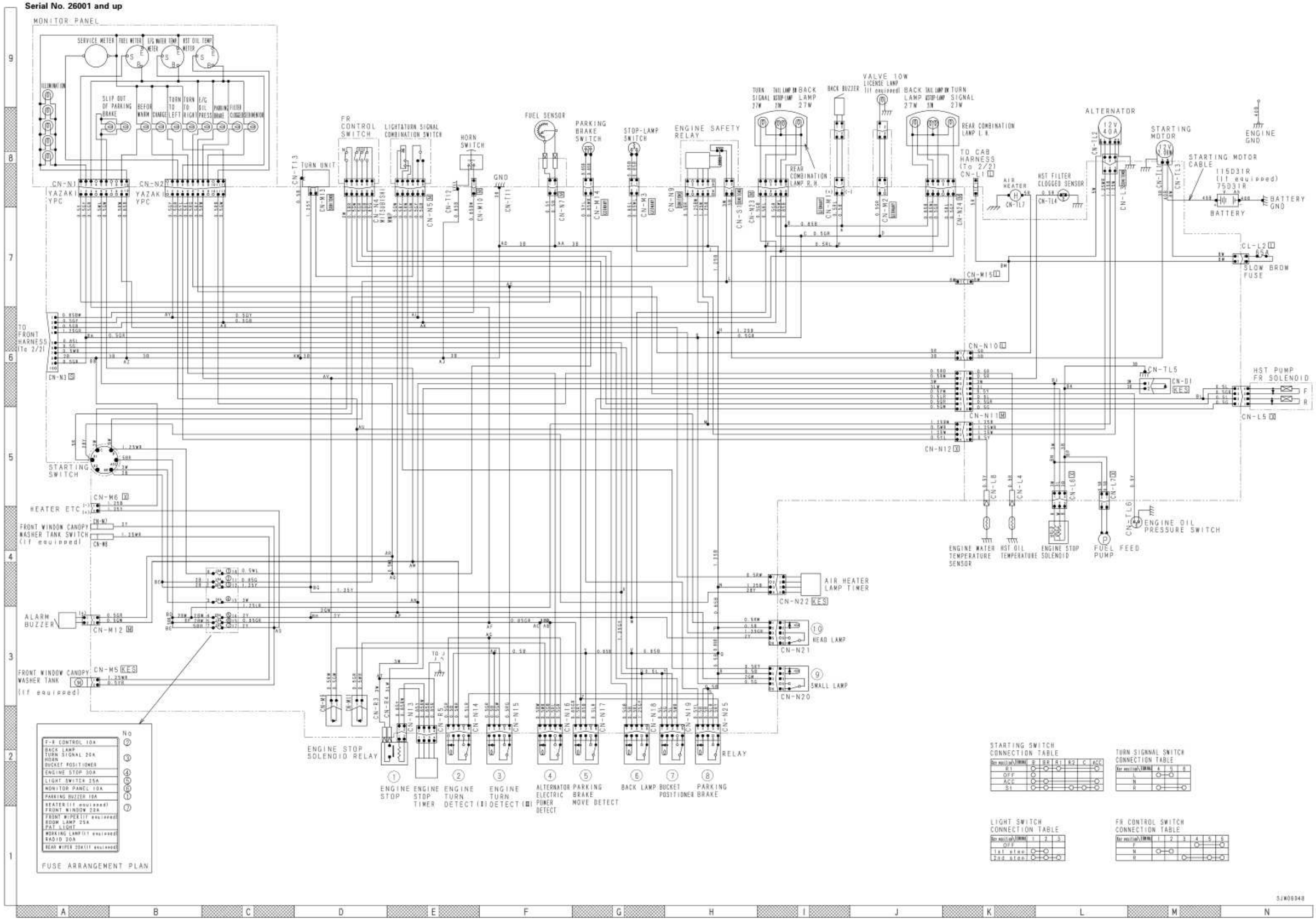
Mounting bolt:
Adhesive (LOCTITE 262)

Mounting bolt:
549.0 ± 58.8 Nm {56 ± 6 kgm}

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ELECTRIC CIRCUIT DIAGRAM (1/2)

Serial No. 26001 and up



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