SEBM019M0207

SHOP MANUAL

KOMATSU®

D475A-2

MACHINE MODEL SERIAL No.

D475A-2 10201 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.

- D475A-2 mount the SA12V140-1 engine.
  For details of the engine, see the 12V140-1 Series Engine Shop Manual.

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●	Page to be replaced	Replace
( )	Page to be deleted	Discard

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RESERVOIR	KIND OF FLUID	AMBIENT TEMPERATURE	CAPACITY (ℓ)	
		−22 −4 14 32 50 68 86 104°F −30 −20 −10 0 10 20 30 40°C	Specified	Refill
Engine oil pan	Engine oil	SAE 30 / SAE 10W / SAE 10W-30 / SAE 15W-40	80	72
Power train oil pan (incl. torque converter, transmission and bevel gear cases)	Engine oil	SAE 30 / SAE 10W	410	210
Damper case	Engine oil	SAE 30	2.4	2.4
Recoil spring	Engine oil	SAE 30	145	145
Pivot shaft (each)	Engine oil	SAE 30	34	34
Hydraulic system	Engine oil	SAE 10W / SAE 10W-30 / SAE 15W-40	310	140
Final drive case (each)	Engine oil	SAE 30	75	75
Idler (each)	Gear oil	SAE 140	2.0 – 2.2	2.0 – 2.2
Track roller (each)	Gear oil	GO-140B	2.25 – 2.45	2.25 – 2.45
Carrier roller (each)	Gear oil	GO-140B	1.120 – 1.225	1.120 – 1.225
Fuel tank	Diesel fuel	ASTM D975 No. 2 / *	1,520	–
Cooling system	Coolant	Add antifreeze	193	–

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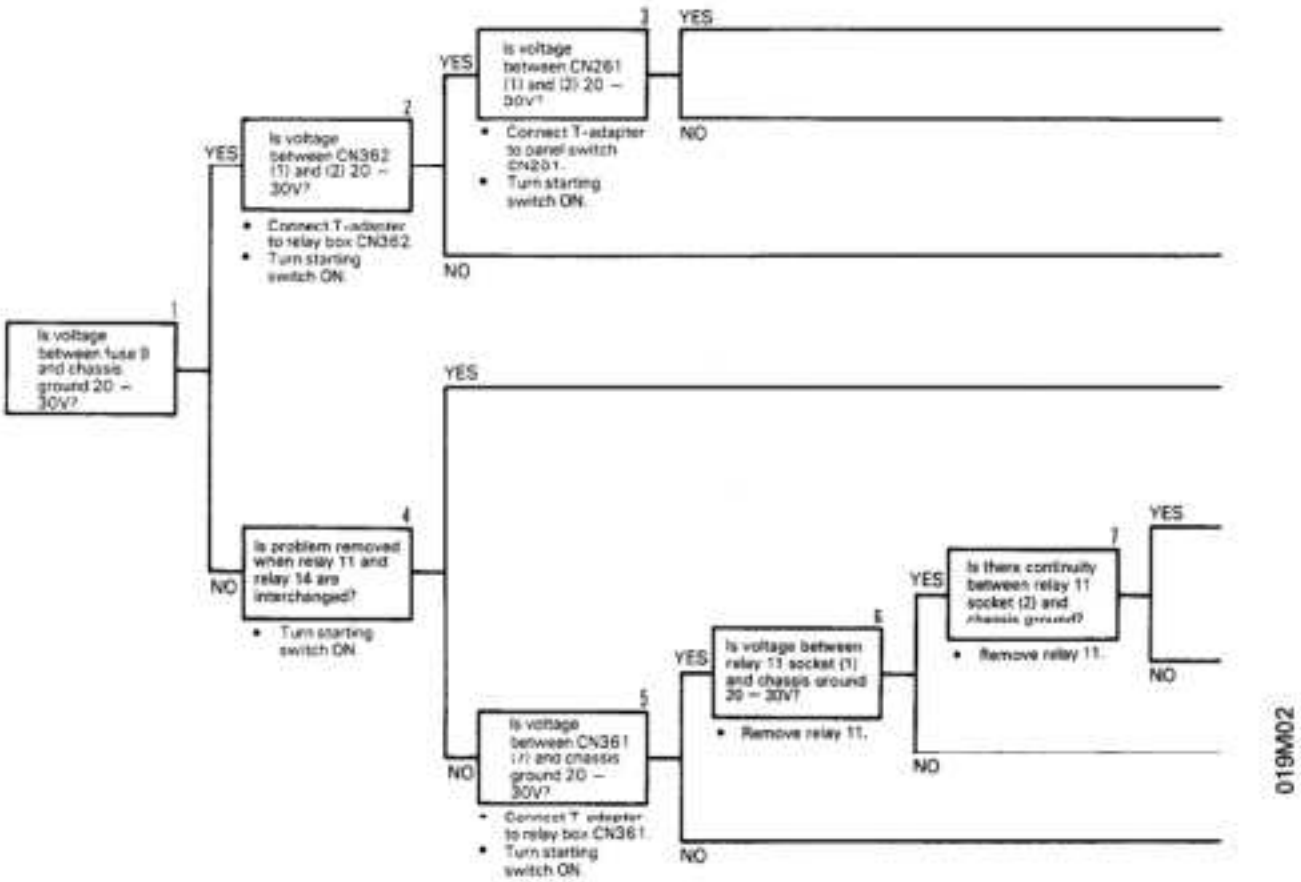
※ ASTM D975 No. 1

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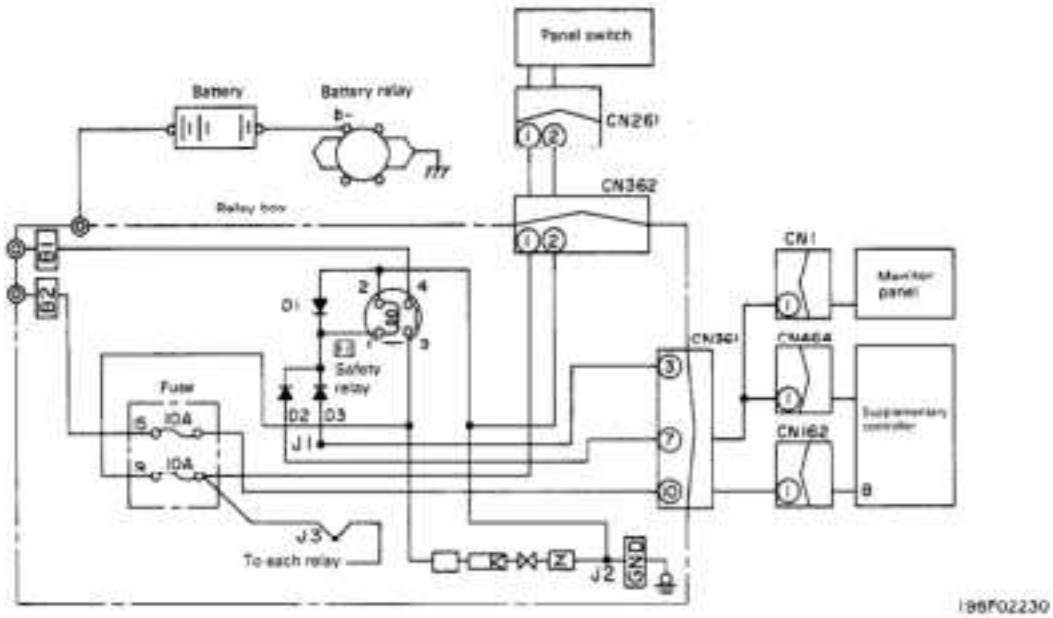
TABLE OF FAILURE MODES AND CAUSES
(ELECTRICAL, HYDRAULIC, MECHANICAL SYSTEMS)

| | Parts causing problem / Failure mode | Electrical system: Wiring harness | Coolant temperature sensor | Oil temperature sensor | Heater relay | Preheating relay | Monitor, supplementary controller | Panel switch | Alternator electrical system | Timer (preheat) | Intake air heater | Torque converter: Rotation sensor | Transmission oil pressure sensor | Lock-up controller | Lock-up solenoid | Lock-up selector switch | Torque converter oil temperature sensor | Pin puller | Pin puller solenoid | Selector switch | Auto fan: Fan controller | Fan solenoid | Hydraulic system: Power train pump | Power train oil level | Power train: Clutch valve | Brake valve | Main relief valve | Transmission valve | Torque converter valve | Hydraulic pump | Hydraulic tank oil level | Strainer | Hydraulic cylinder | Work equipment: Hydraulic control valve | Main relief valve | Ripper Hi valve | Ripper Lo valve | Control valve | Auto fan: Fan motor | Relief valve | Solenoid valve | Mechanical system: Linkage | Steering clutch (disc, plate, etc.) | Brake clutch (disc, plate, etc.) | Internal parts of transmission | Internal parts of torque converter | Bevel gear shaft (bevel, transfer) | Final drive | Engine | Radiator core | Fan belt, pulley | Coolant level | Fuel system | Cooling system | Looseness of pipe clamps, air in oil, oil leakage | Torque converter lock-up clutch | Troubleshooting | |
|---|---|---

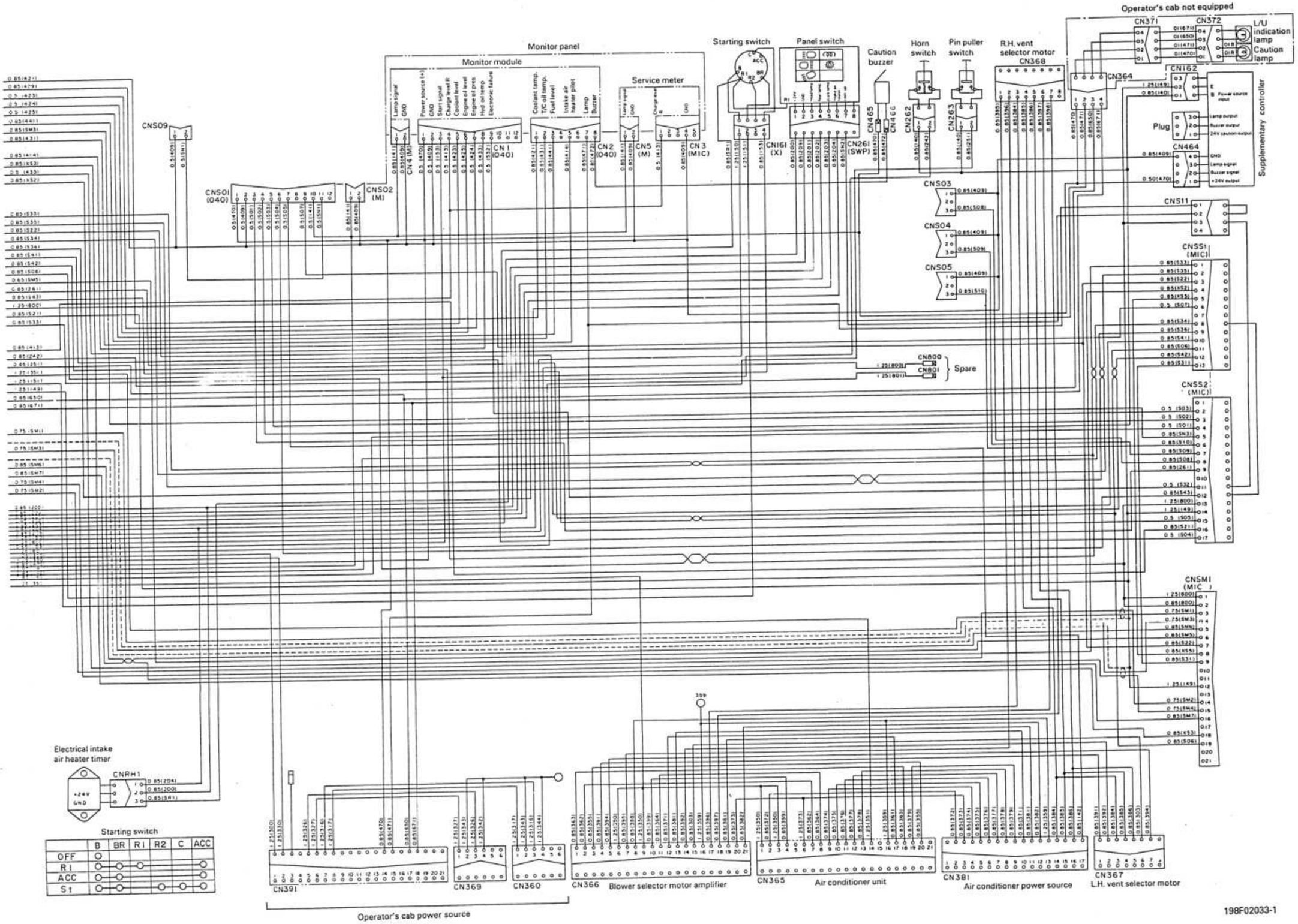
e) When monitor panel is working (fuse 9 normal)



E-9. Related electrical circuit diagram



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