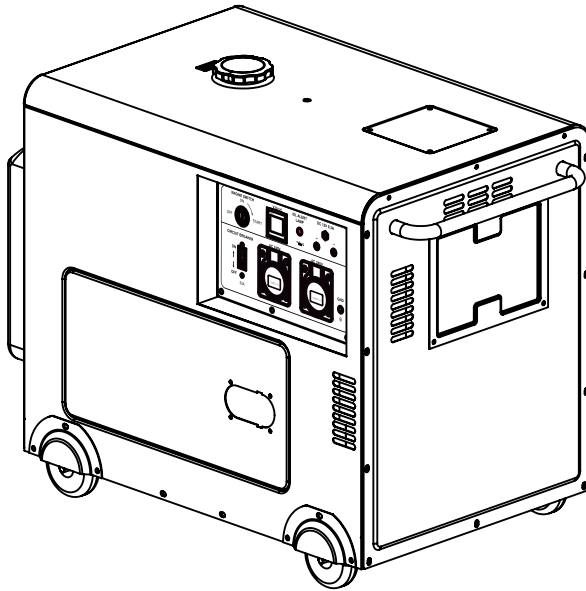




**REM
POWER**[®]
Rheinland Elektro Maschinen

LYNX

GSEm 7000 TDE



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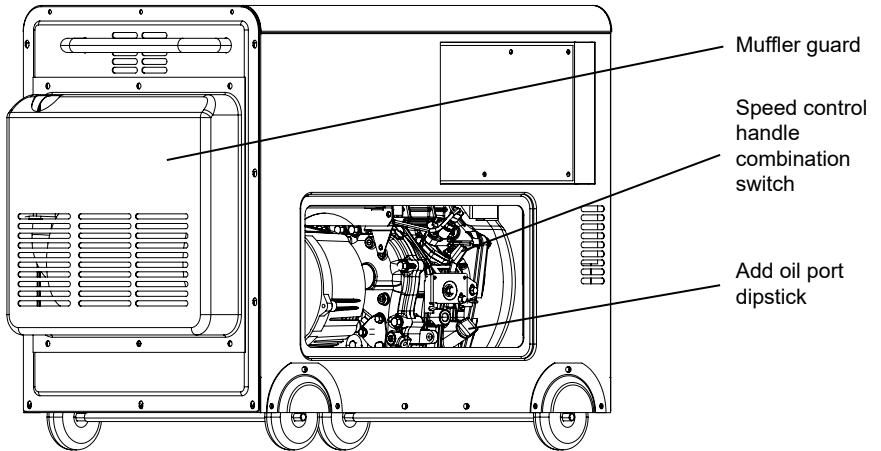
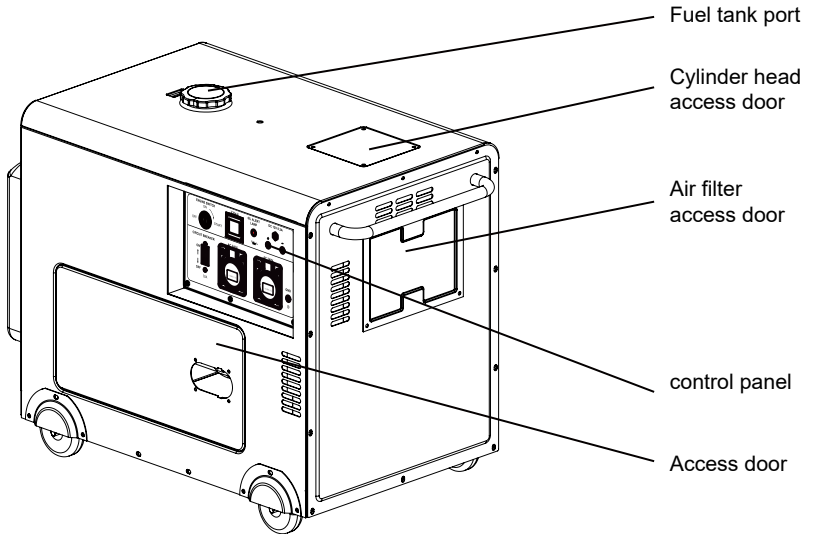
DIESEL GENERATOR
OPERATION MANUAL

Chapter 1 Parameter Table

Model	GSEm 7000 TDE
Phase	Single/Three/Equal power
Frequency/Hz	50
Max. power/KW	6.5
Rated power/KW	6.0
AC voltage/V	230/400
Engine model	192FE
Rotating speed/rpm	3000
Bore×stroke/mm	92×75
Displacement/CC	498
Lubrication method	Pressure and splash compound type
Oil volume/L	1.65
Fuel type	Diesel (summer 0#/winter -10#)
Fuel tank volume/L	12.5
Working temperature/℃	≤40
Noise level/dB@7m	72-75
Gross weight/kg	175-180
Package outer diameter/mm	970×580×810(Pallet height 100)

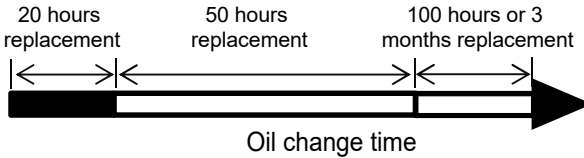
The specific parameters are subject to update without notice.

Chapter 2 Main Operating Parts and Location



6.1.1 Change the oil regularly

Change the oil after the first 20 hours or the first month, then every 50 hours, and after three times, every 100 hours or three months.

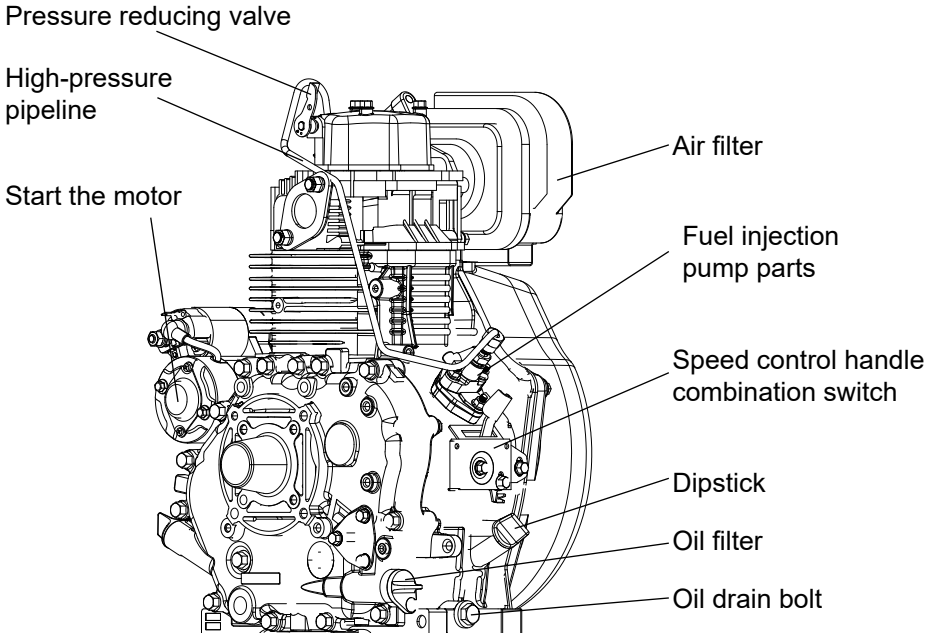


Unscrew the oil dipstick, loosen the oil bolt when the diesel engine is not completely cooled, and drain the old oil. Tighten the oil drain bolt, add new oil, and tighten the oil dipstick.

6.1.2 Cleaning the oil filter

Loosen the locking bolts, take out the oil filter and clean it with gasoline or kerosene.

Oil filter	Clean every 5 months or 250 hours, replace if necessary
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6.1.3 Clean and replace the air filter element

Do not use detergent to clean the element of the air cleaner. Use a soft brush or air gun to remove dust on the outer surface of the filter element.

Replacement time	Every 3 months or 100 hours
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⚠ Note: Do not start the diesel engine when there is no filter element or the filter element is damaged.

6.1.4 Wash and replace the fuel filter

The fuel filter must be cleaned frequently to ensure that the diesel engine has the maximum output power.

(1) Drain fuel from the fuel tank.

(2) Loosen the clamp on the fuel pipe, remove the filter, and clean it thoroughly with diesel.

Cleaning time	Clean every 6 months or 500 hours. If the diesel has more impurities, the cleaning cycle will be shortened
Replacement time	Replace every 1 year or 1000 hours. If the diesel has more impurities, the replacement cycle will be shortened

6.1.5 Tighten the cylinder head bolts (see the diesel engine manual for details)

Tightening the cylinder head bolts requires special tools, do not try casually.

6.1.6 Check the fuel injector, high-pressure fuel pump, etc.

⚠ Note: Do not expose your skin to the fuel spray during operation. Fuel is harmful to the skin; when testing the atomization state of the fuel injector, the exposed skin and eyes must be kept away from the fuel injector.

6.1.7 Adjust the clearance of intake and exhaust valves.

6.1.8 Replace the piston ring.

6.1.9 Battery

Before starting the 12V battery used by the unit, check whether the battery is damaged and check the battery voltage. If it is damaged, replace the battery; if the voltage is insufficient, fully charge the battery to start normally.

Normal battery voltage	12V-14V
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6.2 Maintenance for long-term storage

If your generator needs to be stored for a long time, you must do the following:

6.2.1 Run the generator set for about 15 minutes and then shut down.

6.2.2 After stopping, when the diesel engine is still hot, discharge the old diesel engine oil, and then add new engine oil to the specified height.

6.2.3 Unscrew the cylinder head cover bolts, add 2ml lubricating oil, and then tighten the bolts in the same place.

6.2.4 Maintenance of the starting part

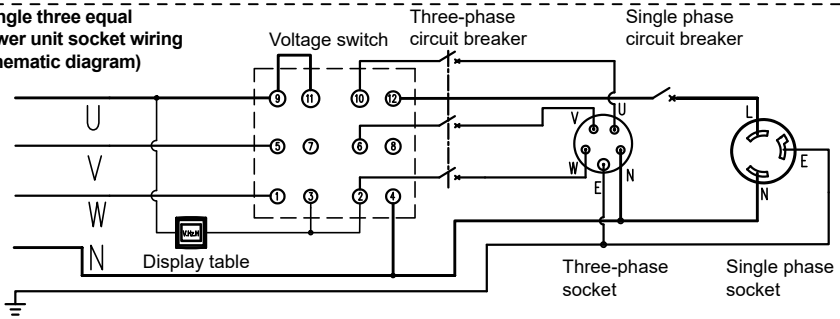
Turn the start key to the "start" position, and let the diesel engine run for 2-3 seconds (no need to start), then turn the key to the "off" position and pull out the key.

6.2.5 Remove the battery from the generator for monthly charging and maintenance. Keep the battery voltage between 12V-14V during storage. Do not store the battery when the battery voltage is lower than 10.8V to avoid damage. Keep the battery storage place away from sunlight, fire and children to avoid property damage and personal injury.

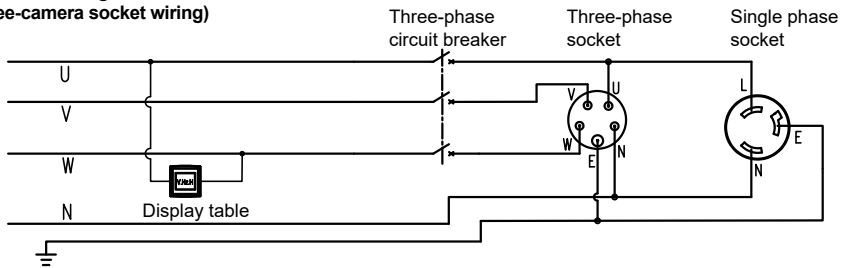
6.2.6 Wipe the generator set clean, store it in a dry and stable place, and lock the wheels.

Attachment: electrical schematic diagram

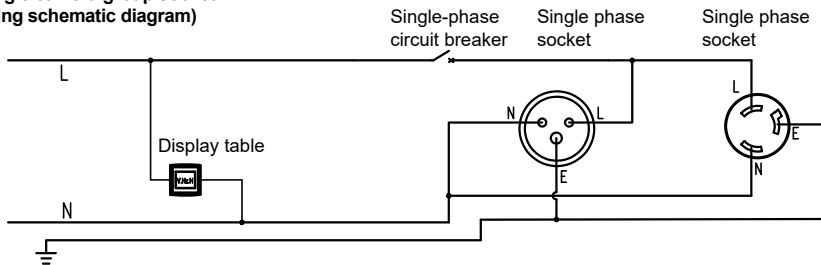
(Single three equal power unit socket wiring schematic diagram)



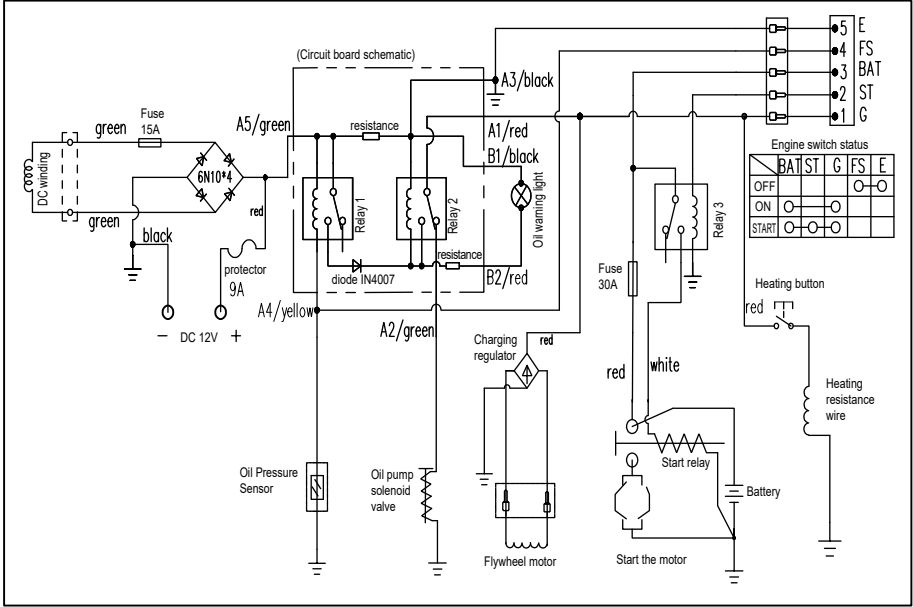
(Schematic diagram of three-camera socket wiring)



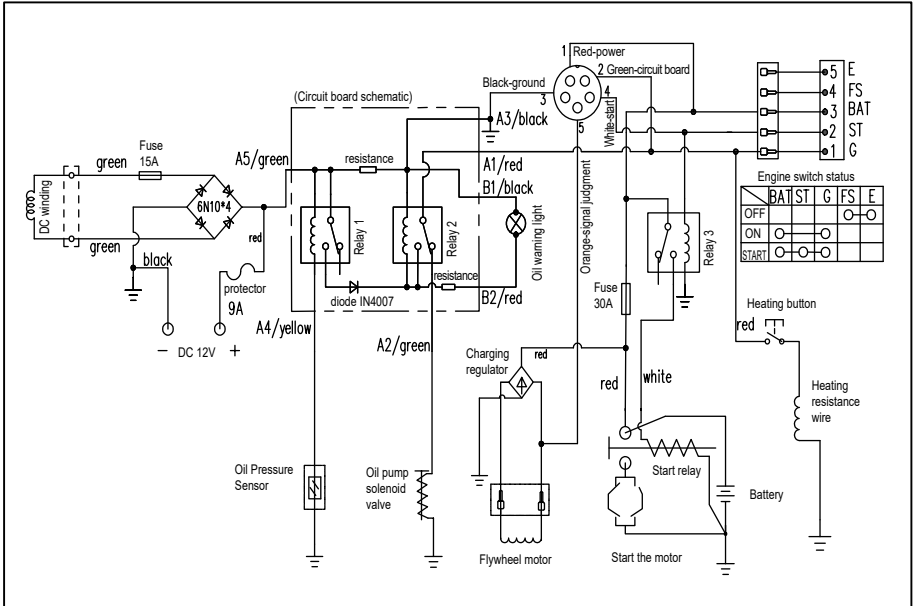
(Single camera group socket wiring schematic diagram)



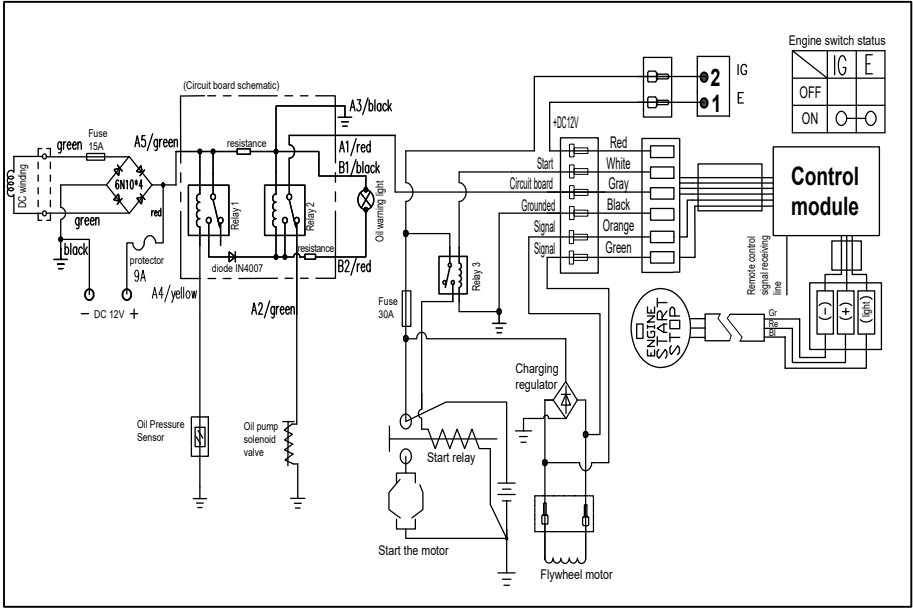
(Conventional electronic lock flameout-control circuit schematic diagram)



(ATS-control circuit schematic diagram)



(Remote control plus one-key start and stop-schematic diagram of control circuit)



(Lock plus one key start and stop-control circuit schematic diagram)

