



Onan Service, Part, & Operator's Manual Generator Set

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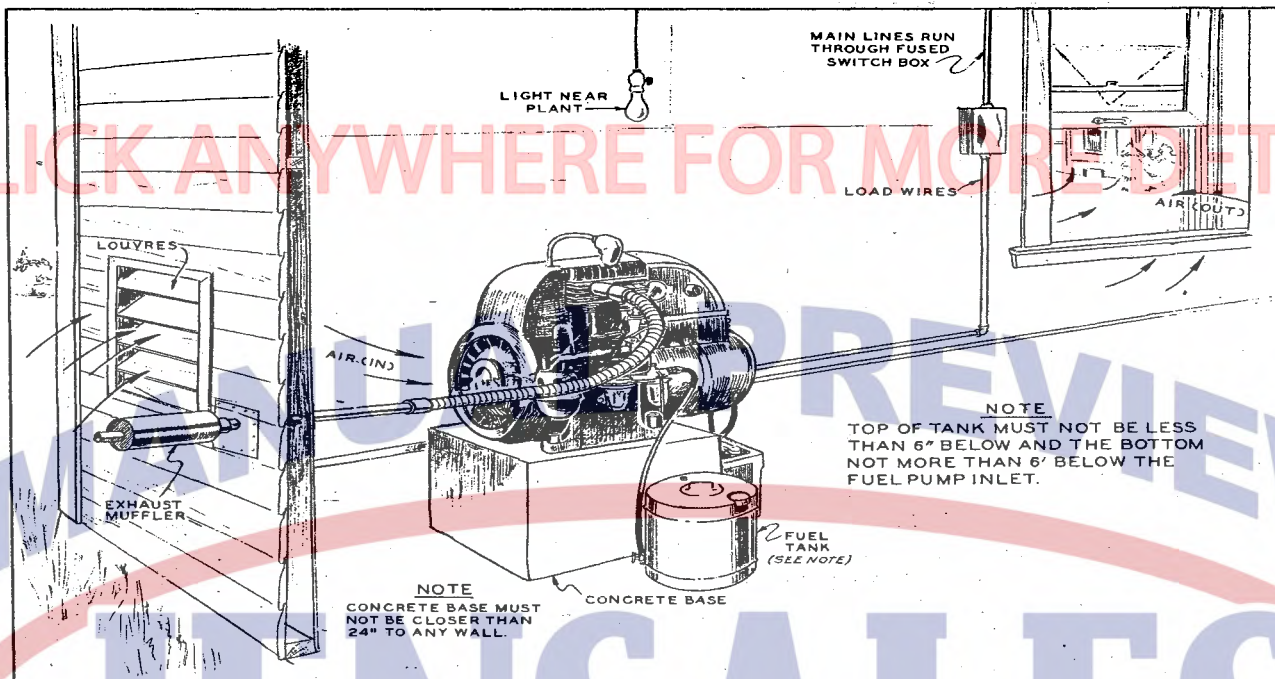
ON-SOP-10L+

Service, Part, & Operator's Manual

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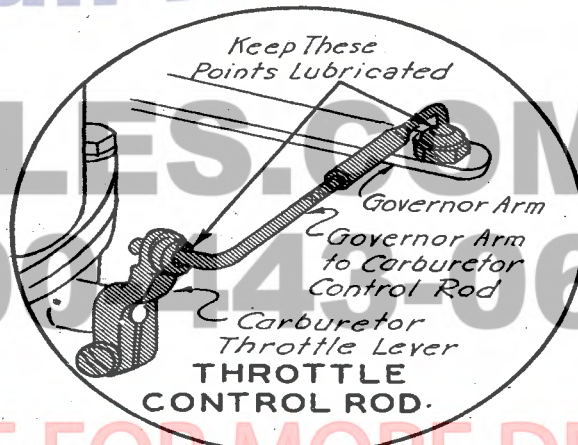
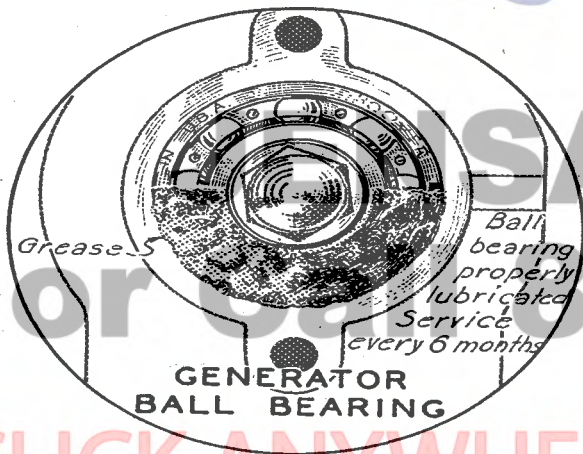
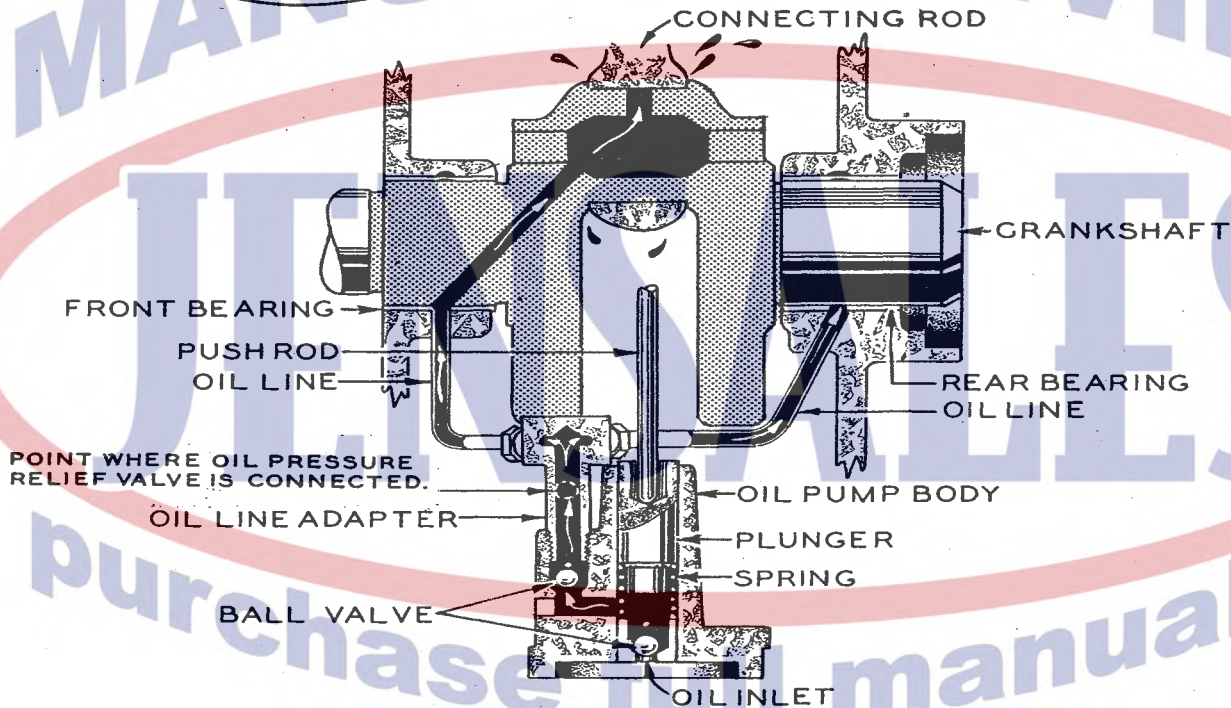
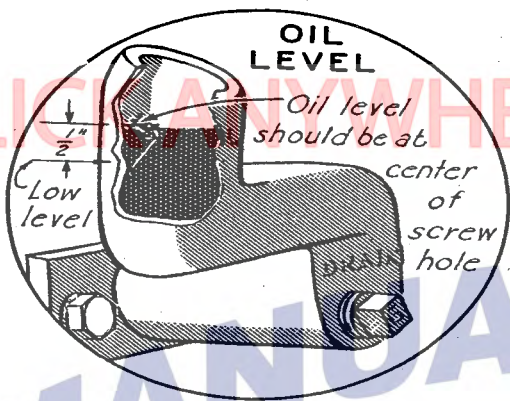
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CLICK ANYWHERE FOR MORE DETAILS



TYPICAL INSTALLATION -REMOTE CONTROL PLANT





LUBRICATION

PREPARATION

PREPARATION FOR OPERATION.— Before the plant is operated it is necessary to supply it with proper oil and fuel. Comply with the following instructions.

LUBRICATION.— The high oil level for the remote control plants is the top of the hole in the boss in the oil filler neck. The high level for the manual plants is the top of the threads in the oil filler hole. Refer to the illustration on Lubrication. The use of a good detergent type oil in the engine crankcase greatly increases the life of the piston and piston rings. Its use is strongly recommended. Fill the crankcase to the applicable high level with 2-1/2 quarts of heavy duty detergent type oil of the proper SAE number according to the lowest temperature to which the plant will be exposed, as indicated in the following table. Do not overfill as the connecting rod may strike the oil causing it to foam, interfering with proper lubrication. Too high an oil level may also cause leakage.

LOWEST TEMPERATURE

SAE NUMBER

Above 90°F. or
Above 32°C.

No. 40

Between 40°F. and 90°F. or
Between 5°C. and 32°C.

No. 30

Between 0°F. and 40°F. or
Between -18°C. and 5°C.

No. 10

Below 0°F. or
Below -18°C.

No. 10 or 10W diluted
with 10% kerosene

Do not put diluted oil into the engine until ready to start it. Mix well just before pouring into the engine.

NOTE

If a change is made to detergent oil after using non-detergent oil in this plant, allow only 1/3 the normal operating hours before changing oil for each of the next two change periods. Change at the same intervals as for non-detergent oil thereafter.

Place a drop of oil on each joint of the throttle to governor arm link. Fill the air cleaner to the level indicated thereon with oil of the same SAE number as used in the crankcase. Applies only to oil wash types.

FUEL.— Fill the tank nearly full with clean, fresh, unleaded gasoline of 68 to 74 octane rating. See that the vent in the fuel tank is open.

After all of the foregoing instructions have been carefully complied with, the plant is ready to be started. However, before starting the plant, study the paragraphs under the headings OPERATION and ABNORMAL OPERATING CONDITIONS.

OPERATION

The voltage should be slightly above the nameplate rating when there is no load on the plant, slightly below the nameplate rating when there is a full load on the plant, if the governor is properly adjusted.

4. Make the final adjustment of the governor and the gas adjustment valve after the plant reaches normal operating temperature.

GASOLINE OPERATION

If it becomes necessary or desirable to operate the plant on gasoline, the following steps should be followed.

1. Shut off the natural gas or butane-propane vapor supply.
2. Turn the float stop screw all the way in (clockwise) until it seats.
3. Make sure the choke is free to operate.
4. Open the gasoline shutoff valve.
5. Start the engine, following the applicable instructions given in this section. The carburetor has fixed jets and is therefore not adjustable for gasoline operation. If the engine speed and generator voltage are unsteady, it may be necessary to adjust the governor or to remove and clean the fixed jets and jet passages of the carburetor. To change back to natural gas operation, reverse the above procedure.



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