

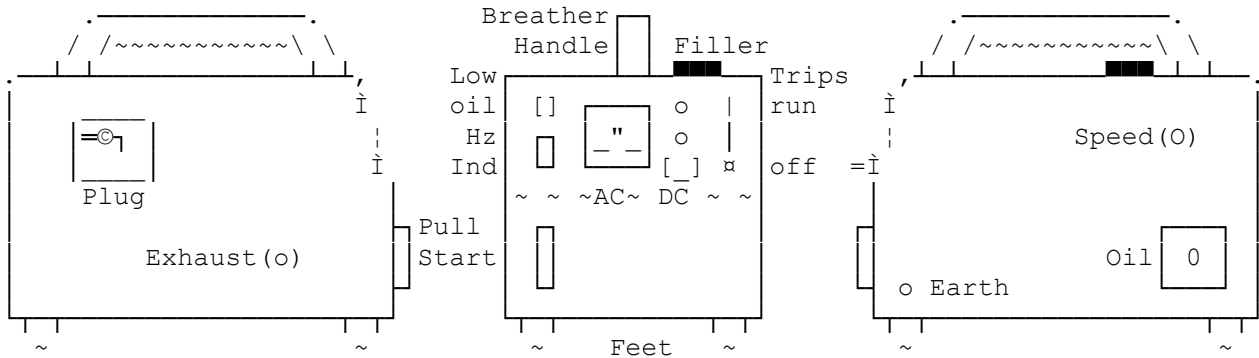
HONDA Generator EX500 info

By G8MNY

updated May 08)

(8 Bit ASCII graphics use code page 437 or 850)

A few years ago, I was given one of these small old 4 stroke petrol generators with no information. It would not start (hence it was given away less loads of screws!), but I managed to trace the cause to a completely blocked main carburettor jet, after a major strip down to get at the bits it now runs OK.



But when I laid it up for a while it can be difficult to start (carburettor not emptied), I found that putting a few CCs of petrol into the carburettor intake fixed that (or using a "Cold Start" ether spay), as dried up petrol is less volatile.

CONTROLS

It could not be simpler, the RUN /OFF leaver operates the engine kill switch & the double petrol & vet tap. There is a bimetallic operated choke, so nothing to do other than pull hard on the start cord handle. If the engine has low oil then the warning light lights.

RATING

In the low rev quiet & economy mode @ 50Hz it gives 330VA, 400VA MAX, or @ the noisier 60Hz it gives 400VA, 500VA MAX this is also the "Lamp" mode to reduce 25Hz 4 stroke flicker.

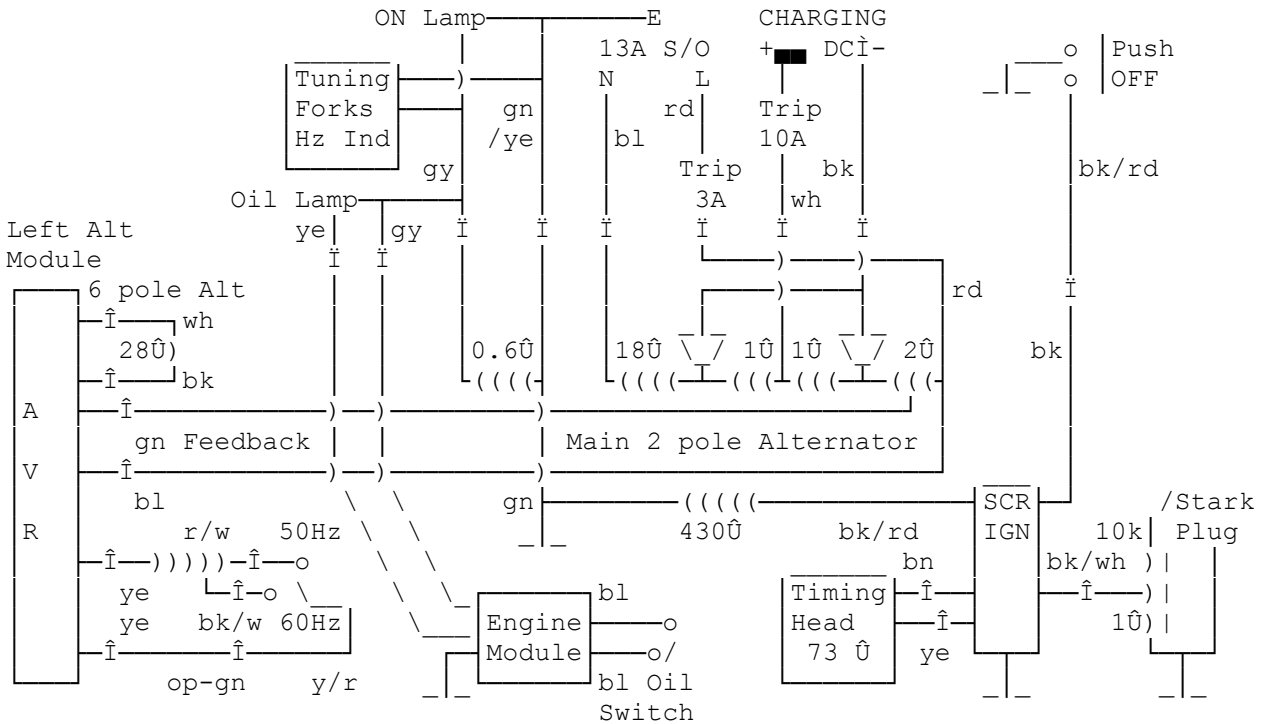
It also has 12V 100W charging output, which is 20V on no load, & 6-8A typical unregulated charge current.

ECONOMY

It is also VERY economical if you don't need high power. e.g. it can run some small fluorescent lamps, a rotator & float a 12V battery with 100W HF rig OK, for some 7 hours from 1 fill of its small 2.5L tank. So 1 gallon per day is feasible when /P for 14 hours/day operating.

CIRCUIT

I have reverse engineered the diagram & it is very complex for such a small unit!



i-hat or i-tilde are connectors.

DC USE

Note, the DC is connected to the 230V! So the 230V will no longer be floating safely if it is used with the DC output at the same time!

See my bul on "Regulating 12V genny output" for the circuit that I use with it.

MODS

From my long bul "Petrol generators for SSB use", I did the Rev up feed forward modification, & it did slightly improve voltage regulation under load. I also did the ignition QRM mods, & fully suppressed this generator.

Y Don't U send an interesting bul?

73 de John G8MNY @ GB7CIP