

INSTRUCTIONS O.S. PET-II .09 GLOW ENGINE

INTRODUCTION

Entirely new engine intended for beginners. An inexpensive, reliable and easy-starting engine, ideally suited to the needs of the newcomer to power models.

You are advised to read carefully the following brief instructions before running your engine. In this way you will, if you are a beginner, avoid difficulties and possible damage to the engine.

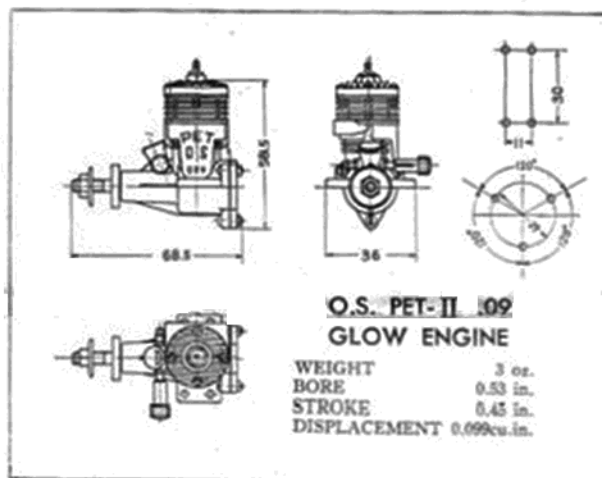
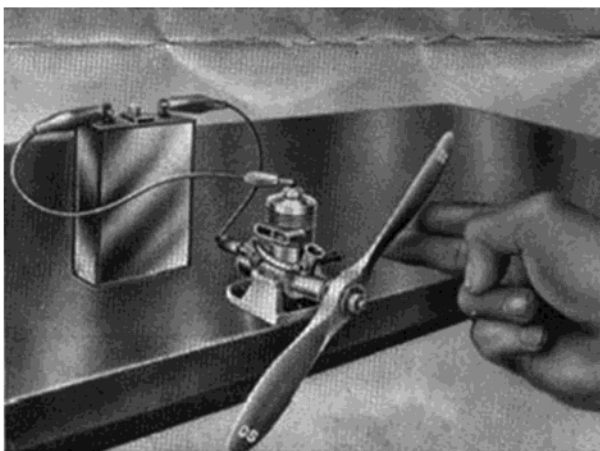
BREAK IN

With your Pet-II .09 Engine, about 30 minutes' with a fuel containing 28% castor-oil and 72% methanol is all that will be required to ensure long life and for the best performance.

An 8 in. dia. 4 in. pitch propeller is recommended for break-in.

STARTING

1. Mount your engine on rigid wooden bearers or on a test stand, and fill the tank.
Do not grip in a vice, as this may distort or crack the crankcase.
2. Connect the battery to the glow plug and note whether the filament of the plug is properly heated to a bright reddish colour.
If the filament glows just a dull red, the voltage of the battery is too low. If the filament is a brilliant yellow or white, the voltage is too high. In the latter case, reduce the voltage by using long, thin battery leads.
Use a heavy-duty 1½V dry battery, such as a bell-cell, or a 2V accumulator (wet storage battery).
3. Screw the plug into the cylinder-head firmly and fill the tank.
4. Open the needle-valve 3-4 turns and prime the cylinder with few drops of fuel through the exhaust port, and also the carburettor port, or alternatively, choke the intake with a finger and turn the propeller a couple of times to draw fuel to the carburettor.
5. Connect the battery leads to the engine; one lead to the glow-plug centre-post and the other to the crankcase or any part of the engine.



6. Now, flick the propeller anticlockwise. The engine should fire within a few flicks. If it does not, disconnect the battery, re-prime the cylinder and try again.
7. If the engine starts but does not continue running, open the needle-valve extra one turn and repeat the starting procedure.
8. As soon as the engine is running properly, disconnect the battery after closing the valve until a slight running speed is available.
9. Now close the needle-valve gradually to a point where the engine is running fast and evenly. Closing the needle-valve beyond this point will cause the overheat and stop.

SPECIFICATION O.S. ERT-II .09

Type	2-cycle Shaft-rotary, Glow
Weight	3 oz.
Max. R.P.M.	17,000
Bore	0.53 in.
Stroke	0.45 in.
Displacement	0.099 cu. in. (1.62c.c.)
Compression-Ratio	1 : 9