

LEarNeR 7 Parts List

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Referring to FIG. 19

2. Heat Exchanger Block (ENGINE BLOCK)

a. Metal block with holes drilled through and around 5"OD x 2.5"L. Purpose is to hold fuel chambers and IR heating elements. Block holes are to pass coolant through.

5. Collector Distribution Manifold (EXHAUST MANIFOLD)

b. Metal block with holes drilled through and around 3.625"OD x 1.25"L. Purpose is to collect several gradients of coolant and distribute them into separate ports to exit the reactor. The manifold also distributes hydrogen gas into the multiple LENR fuel chambers.

6. Inlet Manifold (INTAKE MANIFOLD)

c. Metal block with holes drilled through and around 3.625"OD x 1.25"L. Purpose is to intake coolant and distribute it into multiple coolant ports going through the engine block and into the exhaust manifold.

15. Heating Element (GLOW PLUG)

d. A dc current conductor causing thermal heat, Autolite 1110-L5. Purpose is to regulate heat transfer to and from LENR fuel chambers and coolant ports. Also used for nano powder fuel.

17. LENR Fuel Chamber (REFLECTOR CHAMBER)

e. An elongated hollow copper tube to contain LENR fuel, 3"L x .3125"OD x .1875"ID the length and the diameter ID can be sized to hold more fuel and the volume can be changed by changing the size dimensions of the reflector chamber.

18. Hydrogen Distributor (MANIFOLD)

f. Distributes hydrogen gas to fuel chambers.

19. Fittings that are to allow hydrogen gas to be regulated into the manifold.

20. Coolant Outlet gathers heated coolant fluid from the outer cooling ports of the engine block.

21. Coolant Inlet distributes cooling fluid into the outer cooling ports of the engine block.

22. Intake manifold fastener, is a bolt with a hollow bore to allow cooling fluid to

flow through and the bolt to secure the intake manifold to the engine block.

23. Exhaust manifold fastener, is a bolt with a hollow bore to allow cooling fluid to flow through and the bolt to secure the exhaust manifold to the engine block.

24. Fuel Rod Guide/Insulator (Outer). See FIG(s). 18 and 21. This centrally aligns the fuel rods for each reflector chamber (8) and insulates them from contacting the inner bore of the reflector chamber.

25. Fuel Core, (LENR FUEL) see FIG. 21 and consisting of eight pieces of ISOTAN 44 x 5"L x .008"D and welded onto a pin that is bored to fit the copper conductor of the Aircraft LENR fuel connector (Single).

26. Fuel Rod Tension/Insulator (Inner). Made from high temp crystal type material to keep fuel rods separated from touching one another and shorting out together. Also presses on fuel rod pin and retains a specific tension onto the fuel rods.

27. Fuel Rod Contact/Seal (Common) See FIG. 18

28. Exhaust Deck Spacer/Gasket (Solid)

29. Intake Deck Spacer/Gasket (Solid)

30. Ball Shim Pressure Seal (Solid) variable sizes to set fuel rod tension.