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Small Engines Parts

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| **Across**  **3.** Mechanical starter that commonly consists of a rope, pulley and return spring used to manually rotate the crankshaft to start an engine  **4.** Rotating part of an electric motor consisting of an iron core or magnet  **7.** Where the products of burned gas leave the engine  **9.** Converts linear motion of the piston into rotary motion  **12.** Houses and supports the crankshaft  **13.** A graduated rod for measuring the depth of a liquid, especially oil in an engine  **14.** A sliding rod, intermittently struck by the cam, for moving another part, as a valve.  **15.** Transfers motion from the piston to the crankshaft and functions as a lever arm  **17.** Subdues noise produced from exhaust gases exiting the combustion chamber  **19.** Part of engine that contains the cylinder bore and valve train components  **20.** Allows air-fuel mixture to be drawn into the combustion chamber | **Down**  **1.** Acts as a pivoting device for opening and closing overhead valves  **2.** Provides the required air-fuel mixture to the combustion chapter based on engine operating speed and load  **5.** A storage device to hold fuel for an engine.  **6.** Includes the cam gear, cam lobes and bearing surfaces  **8.** Maintains a desired engine speed regardless of the load applied to the engine  **10.** Cylindrical component that slides back and forth in the cylinder bore by forces produced during the combustion process  **11.** Isolates the electricity induced in the secondary windings and directs a high voltage charge to the spark gap at the tip of the spark plug  **16.** Expandable split ring used to provide a seal between the piston and the cylinder wall  **18.** Mounted at one end of the crankshaft to provide inertia for the engine |

   Flywheel       Governor       Muffler       Armature       Carburetor       Fuel Tank       Dipstick       Piston Rings       Piston       Cylinder Block       Tappet       Connecting Rod       Crankcase       Rewind Starter       Rocker Arm       Spark Plug       Intake Valve       Exhaust Valve       Crankshaft       Camshaft