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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Small Engines Parts

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 2C |  |  |  |  |  |  |  |  E |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  | 3R |  E |  W |  I |  N |  D |  S |  T |  A |  R |  T |  E |  R |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  B |  |  |  |  |  |  |  |  R |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | 4A |  R |  M |  A |  T |  U |  R |  E |  |  |  | 5F |  |  M |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  E |  |  |  | 6C |  | 7E |  X |  H |  A |  U |  S |  T |  V |  A |  L |  V |  E |  |  |  |  |
|  |  |  |  |  |  |  |  |  T |  |  |  |  A |  |  L |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  O |  |  |  |  M |  |  T |  |  |  | 8G |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 9C |  R |  A |  N |  K |  S |  H |  A |  F |  T |  |  O |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  H |  |  N |  |  |  |  V |  |  | 10P |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 11S |  | 12C |  R |  A |  N |  K |  C |  A |  S |  E |  | 13D |  I |  P |  S |  T |  I |  C |  K |  |  |
|  |  |  |  |  |  |  |  |  P |  |  |  |  F |  |  |  |  |  |  R |  |  |  S |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 14T |  A |  P |  P |  E |  T |  |  | 15C |  O |  N |  N |  E |  C |  T |  I |  N |  G |  R |  O |  D |  |  |
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|  |  |  |  |  |  |  |  |  L |  |  S |  |  | 19C |  Y |  L |  I |  N |  D |  E |  R |  B |  L |  O |  C |  K |  |  |  |  |
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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