

Names: \_\_\_\_\_ & \_\_\_\_\_ Engine # \_\_\_\_\_

/12



## 4-stroke Internal Combustion Engine



### Job – Engine Identification

When servicing an engine it is important to know exact details about its construction. To provide the servicer with these details, engine manufacturers use identification numbers. Identification numbers are located in different places depending on the engine type and manufacturer. Your Briggs & Stratton engine has its identifying number stamped into the engine's shroud, either on its top or its side.

Find your engine's identifying number and record it below:

Engine's Identifying number: \_\_\_\_\_

/1

This number is pretty much meaningless to the average person, but if you have the proper reference material (a service manual) you can 'crack the code' to learn quite a bit about the engine.

In the next few sections, use the attached reference sheet to crack your engine's code. To do this we will be breaking the identifying number into its three distinct parts, **Model**, **Type** and **Date Code**.

The first 5 digits of your engine's identifying number make up its **Model Code**. Write these in the spaces to the right where indicated and then use the attached reference sheet to determine exactly what each digit means.

*Model Code's Meaning*

1 <sup>st</sup> digit	
2 <sup>nd</sup> digit	
3 <sup>rd</sup> digit	
4 <sup>th</sup> digit	
5 <sup>th</sup> digit	

/5

The next 6 digits of your engine's identifying number make up its **Type Code**. Using the attached reference sheet, explain what the Type Code tells us, or tells the parts person that we may be consulting.

/2

The final 8 digits of the identifying number make up the **Date Code**. Using these numbers and the attached reference sheet determine where and when it was made.

Exact date your engine was made: \_\_\_\_\_

The assembly line it was made on: \_\_\_\_\_

/2



Why is it that when calling a parts supplier to order a part you should be sure to have close at hand the identification number for the engine that you are working on?

/2

## YOUR KEY TO THE WORLD'S FINEST ENGINES

This chart explains the unique Briggs & Stratton numerical model designation system. It is possible to determine most of the important mechanical features of the engine by merely knowing the model number. Here is how it works:

- A. The first one or two digits indicate the approximate CUBIC INCH DISPLACEMENT.
- B. The first digit after the displacement indicates the BASIC DESIGN SERIES, relating to cylinder construction, ignition, general configuration, etc.
- C. The second digit after the displacement indicates ORIENTATION OF CRANKSHAFT.
- D. The third digit after the displacement indicates TYPE OF BEARINGS, and whether or not the engine is equipped with REDUCTION GEAR or AUXILIARY DRIVE.
- E. The last digit indicates the TYPE OF STARTER.

### BRIGGS & STRATTON MODEL NUMBERING SYSTEM

A	FIRST DIGIT AFTER DISPLACEMENT B	SECOND DIGIT AFTER DISPLACEMENT C	THIRD DIGIT AFTER DISPLACEMENT D	FOURTH DIGIT AFTER DISPLACEMENT E
CUBIC INCH DISPLACEMENT	BASIC DESIGN SERIES	CRANKSHAFT ORIENTATION	PTO BEARING, REDUCTION GEAR, AUXILIARY DRIVE, LUBRICATION	TYPE OF STARTER
2	0	0 to 4 - Horizontal Shaft	0 - Plain Bearing/DU Non-Flange Mount	0 - Without Starter
5	1	5 to 9 - Vertical Shaft	1 - Plain Bearing Flange Mounting	1 - Rope Starter
6	2	A to G - Horizontal Shaft	2 - Sleeve Bearing Flange Mounting Splash Lube	2 - Rewind Starter
8	3	H to Z - Vertical Shaft	3 - Ball Bearing Flange Mounting Splash Lube	3 - Electric Starter Only 110 or 230 Volt Gear Drive
9	4		4 - Ball Bearing Flange Mounting Pressure Lubrication	4 - Electric Starter/110 or 230 Volt Gear Drive with Alternator
11	5		5 - Plain Bearing Gear Reduction (6 to 1) CCW Rotation Flange Mounting	5 - Electric Starter Only 12 or 24 Volt Gear Drive
12	6		6 - Ball Bearing Gear Reduction (2 to 1) CCW Rotation	6 - Alternator Only
13	7		7 - Plain Bearing Pressure Lubrication	7 - Electric Starter 12 or 24 Volt Gear Drive with Alternator
15	8		8 - Plain Bearing Auxiliary Drive (PTO) Perpendicular to Crankshaft	8 - Vertical Pull Starter or Side Pull Starter
16	9		9 - Plain Bearing Auxiliary Drive Parallel to Crankshaft	9 - Mechanical Starter
18	A to Z		A - Plain Bearing Pressure Lubrication Without Oil Filter	A - Electric Starter 12 or 24 Volt Gear Drive with Alternator and Inverter
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61				

EXAMPLE - To identify Model 303447:

<u>30</u>	<u>3</u>	<u>4</u>	<u>4</u>	<u>7</u>
30 Cubic Inch	Design Series 3	Horizontal Shaft	Ball Bearing Flange Mounting Pressure Lubrication	Electric Starter 12 or 24 Volt Gear Drive with Alternator

**TYPE 1234-01**, The type number identifies the engines mechanical parts, color of paint, decals, governed speed, and Original Equipment Manufacturer.

**CODE 01061201**, The code is the manufacturing date and is read as follows:

YEAR	MONTH	DAY	ASSEMBLY LINE AND MANUFACTURING PLANT
01	06	12	01