Appendix E – Engineering/Casting Numbers

Introduction

Ford maintained "Master Cross Reference Lists" for cross-referencing engineering part numbers with standard part numbers. The engineering part number looked much like the standard Ford part number, except that the fourth letter was always an "E." The importance of these engineering numbers was that they usually (although not always) related to the casting numbers. Furthermore, the first letter/number combination more accurately reflected the model year in which the part first saw production. For example, an engine block with a part number C5OZ-6010-B cross referenced to a C8ZE-6010-A engineering part number. Though the part number suggested a year of 1965, the engineering number indicated that 1968 was the first year this block assembly saw production. In reality, it also marked the first time the C5OZ-6010-B part number showed up in Ford's parts catalogs. (This block assembly happens to be a 1968 replacement for 1965 through 1967 289 HiPos.)

Besides a casting number, many parts also carried a date code as part of the casting. This date usually followed Ford's standard code of year, month, and day. For example, 4C21 represented March 21, 1964. However, other formats were used. The date codes were located in the following places:

- Cylinder Blocks - Above the starter motor.

  Cylinder Heads - In the rocker arm area. (A matched set of heads generally had dates within a few days of each other.)

- Intake Manifolds - Just behind the distributor.
- Exhaust Manifolds - On the outer side.

Aluminum castings did not have date codes, but did have year markings molded into the part, such as 61 or 67. These were calendar years and not production years. Aluminum castings included timing chain covers, early water pumps, thermostat housings, and carburetor spacers. (*See* Appendix C, *page C–22 for casting numbers of carburetor spacers.*)

While mentioning date codes, it should be pointed out that the entire engine assembly was also given an engine assembly date code stamping. This stamping was located just over the engine's left water pump passageway. Included in the coding was a trailing letter, which was an inspection code and of no date significance. The inspection code might be any letter between A and Z. The importance of the engine assembly date is that it should be later than any of the casting date codes found on the engine's individual components. (*See* Volume I, Chapter 3, Section A, *page 3–8, photo* **3A4** *for picture of the engine assembly date code.*)

Below is a list of the significant groups of parts that had distinguishing casting numbers and are covered in this section:

- Cylinder Blocks (6015)
- Timing Chain Covers (6059)
- Cylinder Heads (6090)
- Harmonic Dampers (6316)
- Water Pumps (8505)
- Thermostat Housings (8592 & 8594)
- Intake Manifolds (9425)
- Right Exhaust Manifolds (9430)
- Left Exhaust Manifolds (9431)

Along with each casting number listed, a reference page number and photo might be given. If given, the actual casting number was photographed in Volume I, and can be found on the page number and in the photo group listed.

The notes for each listing might refer to additional pictures in Volume I. These are provided to help further clarify the information in the note.

If the reference page number begins with a letter, then the photo is in the Appendix defined by that letter. For example, page *E–3* is page 3 in Appendix E.