

## CHAPTER 3

### Block #3858180

| Year | Model     | Engine | Horsepower         | Main   | Notes   |
|------|-----------|--------|--------------------|--------|---|
| 1965 | Passenger | 327    | 250, 300           | 2-bolt | This block was used in Passenger, Chevelle, and Corvette 300 and 350HP engines. It was used interchangeably with the #3782870 block. It had significantly thinner cylinder walls and larger water jacket. It is unknown at this time why the design change took place and exactly which cars received this block. |
|      | Chevelle  | 327    | 250, 300, 350      | 2-bolt |   |
|      | Corvette  | 327    | 250, 300, 365, 375 | 2-bolt |   |
| 1966 | Passenger | 327    | 275                | 2-bolt |   |
|      | Chevelle  | 327    | 275, 350*          | 2-bolt |   |
|      | Corvette  | 327    | 300**, 350**       | 2-bolt |   |

\*March 1966 introduction. \*\*Unverified

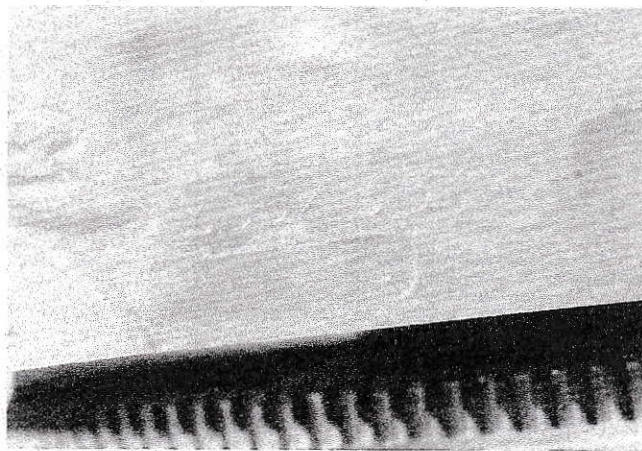
### Block #3862194

| Year | Model    | Engine | Horsepower | Main   | Notes   |
|------|----------|--------|------------|--------|---|
| 1965 | Chevy II | 283    | 195, 220   | 2-bolt | This block was used exclusively for 1965-67 283 Chevy IIs. This block was identical with the #3849852 block except that the oil filter boss area was redesigned, including the addition of a new clutch mounting hole. Note: On 283 engines with a nodular iron crankshaft the block is relieved at the bottom of the cylinders for clearance of the crank weights. 283 engines with a forged steel crankshaft have no reliefs. See Chapter 4 for more information. |
| 1966 | Chevy II | 283    | 195, 220   | 2-bolt |   |
| 1967 | Chevy II | 283    | 195        | 2-bolt |   |

### Block #3869942

| Year | Model     | Engine | Horsepower | Main   | Notes   |
|------|-----------|--------|------------|--------|---|
| 1966 | Passenger | 427    | 390        | 2-bolt | This block was the first design 427 block. It was identical with #3855977 (366) truck block except for thicker cylinder walls and minor casting and machining changes. This block was the first to use both 2- and 4-bolt main configurations on the same block. The 4-bolt was reserved for high performance applications. This block used a canister type oil filter. The block has a casting date located on the right lower side of the block, near the freeze plug, in front of the starter. This block also has a "tall tower" distributor boss, located inside the lifter galley. The Corvette 427/435HP application has been verified through car #7115073. |
|      |           |        | 425        | 4-bolt |   |
|      | Corvette  | 427    | 390        | 2-bolt |   |
|      |           |        | 425        | 4-bolt |   |
| 1967 | Passenger | 427    | 385*       | 2-bolt |   |
|      | Corvette  | 427    | 390*, 400* | 2-bolt |   |
|      |           |        | 430*, 435* | 4-bolt |   |

\*These applications could have used a #3869942 block that had the casting number ground off and a #3904351 stamped into the block



**Fig. 3-14.** This is actually a #3869942 block in which casting number has been ground off and a #3904351 casting number hand stamped. Original application (1967 427/435HP Corvette with serial No. 7115073) was verified by checking engine code on the block pad.

# CHAPTER 2

## 1966 Engine Code Suffix Identification

| Model                           | Model No.                       | Engine                    | Horsepower | Transmission, Options          | Suffix  |     |
|---------------------------------|---------------------------------|---------------------------|------------|--------------------------------|---|-----|
| Passenger                       | 154/156/164/16600               | 283                       | 195        | Manual                         | GA  |     |
|                                 |                                 |                           |            | Manual, RHD                    | GB  |     |
|                                 |                                 |                           |            | 3-Speed, Police Chassis        | GC  |     |
|                                 |                                 |                           |            | Manual, L.C.                   | GD  |     |
|                                 |                                 |                           |            | Manual, L.C., RHD              | GE  |     |
|                                 |                                 |                           |            | Powerglide                     | GF  |     |
|                                 |                                 |                           |            | Powerglide, L.C.               | GG  |     |
|                                 |                                 |                           |            | Powerglide, RHD                | GH  |     |
|                                 |                                 |                           |            | Powerglide, L.C., RHD          | GI  |     |
|                                 |                                 |                           |            | Manual, A.I.R.                 | GK  |     |
|                                 |                                 |                           | 220        | Powerglide, 4-BBL              | GL  |     |
|                                 |                                 |                           | 195        | 4-Speed, A.I.R.                | GS  |     |
|                                 |                                 |                           | 195        | Powerglide, A.I.R.             | GT  |     |
|                                 |                                 |                           | 195        | H.D. Clutch                    | GU  |     |
|                                 | 220                             | H.D. Clutch               | GV         |                                |   |     |
|                                 | 220                             | Manual, 4-BBL             | GW         |                                |   |     |
|                                 | 220                             | Manual, 4-BBL, A.I.R.     | GX         |                                |   |     |
|                                 | 220                             | Powerglide, 4-BBL, A.I.R. | GZ         |                                |   |     |
|                                 | 154/156/164/16600               | 327                       | 275        | 275                            | Manual, Holley Carb                           | HAH |
|                                 |                                 |                           |            |                                | Manual, Rochester Carb                        | HAR |
|                                 |                                 |                           |            |                                | A.I.R.  | HB  |
|                                 |                                 |                           |            |                                | Powerglide, Holley Carb                       | HCH |
|                                 |                                 |                           |            |                                | Powerglide, Rochester Carb                    | HCR |
|                                 |                                 |                           |            |                                | Powerglide, A.I.R.                            | HF  |
|                                 |                                 |                           |            |                                | H.D. Clutch                                   | KE  |
|                                 |                                 |                           |            |                                | H.D. 3-Speed or 4-Speed, Holley Carb          | IAH |
|                                 |                                 |                           |            |                                | H.D. 3-Speed or 4-Speed, Rochester Carb       | IAR |
|                                 |                                 |                           |            |                                | 3-, 4-Speed, A.I.R.                           | IB  |
|                                 | 154/156/164/16600               | 396                       | 396        | 325                            | Powerglide, A.I.R.                            | IC  |
|                                 |                                 |                           |            |                                | Powerglide, Holley carb                       | IGH |
|                                 |                                 |                           |            |                                | Powerglide, Rochester Carb                    | IGR |
|                                 |                                 |                           |            |                                | Turbohydramatic, A.I.R.                       | IN  |
| Turbohydramatic, Holley carb    |                                 |                           |            |                                | IVH   |     |
| Turbohydramatic, Rochester Carb |                                 |                           |            |                                | IVR   |     |
| 425                             |                                 |                           |            |                                | Manual, Spec. High Perf.                      | ID  |
| 154/156/164/16600               |                                 |                           |            |                                | 427   | 390 |
|                                 | H.D. 3-Speed or 4-Speed, A.I.R. | II                        |            |                                |   |     |
|                                 | Turbohydramatic                 | IJ                        |            |                                |   |     |
|                                 | Turbohydramatic, A.I.R.         | IO                        |            |                                |   |     |
| Corvette                        | 19467/19437                     | 327                       | 300        | Manual                         | HE  |     |
|                                 |                                 |                           |            | Manual, A.I.R.                 | HH  |     |
|                                 |                                 |                           |            | Powerglide                     | HO  |     |
|                                 |                                 |                           |            | Powerglide, A.I.R.             | HR  |     |
|                                 |                                 |                           |            | 4-Speed, Hi-lift Cam, A.I.R.   | HD  |     |
|                                 |                                 |                           |            | 4-Speed, Hi-lift Cam, A/C, P/S | HP  |     |
|                                 |                                 | 427                       | 390        | 390                            | 4-Speed, Hi-lift Cam                          | HT  |
|                                 |                                 |                           |            |                                | 4-Speed, Hi-lift Cam, A/C, P/S, A.I.R.        | KH  |
|                                 |                                 |                           |            |                                | 4-Speed, Hyd. Lifters, Spec. Cam              | IL  |
|                                 |                                 |                           |            |                                | 4-Speed, Hyd. Lifters, Spec. Cam, A.I.R.      | IM  |
|                                 |                                 |                           |            |                                | **Powerglide, Hyd. Lifters, Spec. Cam         | IQ  |
|                                 |                                 |                           |            |                                | **Powerglide, Hyd. Lifters, Spec. Cam, A.I.R. | IR  |

\*\*390 horsepower engine with powerglide combination was added during the 1966 model year.