

# 1967 Corvette: Service News: Dual Main Cylinder Component Replacement

**Subject:** Dual Main Cylinder Component Replacement

**Model and Year:** 1967 Corvette

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The dual main cylinder used on 1967 passenger cars and light trucks is designed and built to satisfy individual brake system displacement requirements for each vehicle line. Therefore, it is necessary that correct parts be used when replacing either complete master cylinder assemblies or the component pistons of these assemblies.

There are two sources for dual main cylinders used on 1967 Chevrolet vehicles: Delco Moraine and Bendix. The Bendix unit can be readily identified by a "Secondary Piston Stop" bolt on the bottom of the casting. Delco Moraine main cylinders do not have this bolt [reference Figure 1, page 5-2 of the 1967 (Passenger Car) Chassis Service Manual].

The displacement capabilities of the particular cylinder are specified by the two letters which are stamped in the metal on the top of the closed end of the master cylinder barrel. Master Cylinders should only be replaced with another cylinder bearing the same two-letter identification.

The length of the secondary pistons in those master cylinders is a critical factor in the displacement capabilities of a particular master cylinder. These secondary pistons are coded, using rings or grooves in the shank or center section of the piston. Refer to the chart below for proper identification.

The primary pistons are of two types. One has a deep socket for the push rod

and the other a very shallow socket.

It is mandatory that replacement pistons be identical to the original piston. This can be verified by checking the identification marks on the secondary piston and the socket contour of the push rod end of the primary piston.

| MODEL                                      | SOURCE        | BRAKE TYPE                | MASTER CYLINDER CODE | SECONDARY PISTON IDENTIFICATION |
|--|---------------|---------------------------|----------------------|---------------------------------|
| Chevrolet                                  | Delco Moraine | Manual-Drum<br>Power-Drum | AT                   | 2 Rings or Grooves              |
|  | Bendix        | Power-Drum                | AT                   | 1 Ring or 2 Grooves             |
|  | Delco Moraine | Manual-Metallic           | AR                   | 1 Ring or Groove                |
| All Passenger Cars <b>except</b> Chevrolet | Delco Moraine | Manual-Drum<br>Power-Drum | BS                   | 1 Ring or Groove                |
|  |               | Manual-Metallic           | AU                   | 2 Rings or Grooves              |
| Corvette                                   | Delco Moraine | Manual-Disc<br>Power-Disc | DC                   | 5 Rings or Grooves              |
|  |               | Power-Disc                | PG                   | 1 Ring or Groove                |
| Chevrolet & Chevelle                       | Delco Moraine | Power-Disc                | SA                   | 2 Rings or Grooves              |
| Camaro                                     | Delco Moraine | Manual-Disc               | AD                   | 6 Rings or Grooves              |
|  |               | Power-Disc                | WT                   | 3 Rings or Grooves              |
| Chevy II                                   | Delco Moraine | Manual-Disc<br>Power-Disc | AD                   | 6 Rings or Grooves              |
| Light Trucks                               | Delco         | Manual-Drum               | AB                   | 4 Rings or Grooves              |
|  | Bendix        | Power-Drum                | AB                   | 3 Rings                         |
|  | Delco Moraine | Manual-Drum               | NF                   | 5 Rings or Grooves              |
|  | Bendix        | Manual-Drum               | NF                   | 2 Grooves                       |
|  |               | Power-Drum                | NF                   | 5 Rings                         |

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