



## Technical Service Bulletin

### 1989-96 Chevrolet Corvette Flywheel Requires Balance Weights

Chevrolet Corvettes manufactured from 1989 to 1996 were equipped with a dual-mass flywheel, which cannot be resurfaced and must be replaced. The driveline in these vehicles is unusually sensitive to vibrations. For this reason, the flywheels are designed to allow fine balancing of the engine and flywheel/clutch assembly by adding additional balance weight(s).



*PDL offers kits to pair with DMF, but not the OE DMF*

When replacing the flywheel, the factory fine balance on the engine must be maintained. To do this, remove the existing flywheel and place it beside the new one so both flywheels are in the same position relative to the crankshaft dowel. Install the same number of new balance weights in the same positions as the original flywheel.

#### **Tech Tip:**

Install the crankshaft bolts with Loctite® 262 to prevent oil leakage and torque all bolts to the specifications listed below:

- Flywheel-to-Crankshaft Bolt 74 ft-lb (100 Nm)
- Clutch-to-Flywheel Bolt 30 ft-lb (41 Nm)

#### **Affected Applications:**

Year	Make	Model	Engine
1989-1996	Chevrolet	Corvette	8 Cyl 5.7L 350"

*\*Not required for Camaro or Firebird applications  
Ask About PDL Solid Flywheel Conversion clutch kits for these applications.*