

# 2005 Corvette: Service Bulletin: Clutch Pedal Does Not Return to Up Position During Shifts at High Engine RPMs

**Service Bulletin #:** 05-07-31-001A

**Date:** August 17, 2005

**Subject:** Clutch Pedal Does Not Return to Up Position During Shifts at High Engine RPMs (Inspect Date Code and Replace Clutch Kit)

**Model(s):** 2005 Chevrolet Corvette with Tremec T56 6-Speed Manual Transmission (RPOs M10, M12, MM6, MZ6 )

## Condition

Some customers may comment that while shifting at engine speeds greater than 6000 RPMs, the clutch pedal does not return to the up position. As the engine speed decreases, the clutch pedal will return to the up position.

## Cause

It is possible that when the engine speed is greater than 6000 RPM and the clutch pedal is depressed, centrifugal loads on the clutch diaphragm spring may be greater than the clutch return load from the diaphragm spring. This force created by RPM would be directionally opposite to the clutch bearing force, causing a near net zero or less than zero return force. As a consequence, the clutch pedal may be stuck at the bottom of travel at the floor. Once the engine speed reduces to less than 6000 RPM, spring return load dominates and the clutch pedal returns to normal function.

## Correction

Inspect the clutch date code and replace the clutch kit if built PRIOR to the following date code:

- 4M13A/B/C for Corvette

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