



# CARDONE™ ProTech®

Supporting Today's Vehicle Technician

## ProTech Bulletin Summary: GM ECM/PCM

Before replacing any engine control module, the cause of original unit failure must be determined and corrected. Installing a replacement unit without correcting the problem will lead to early failure. Always refer to the vehicle service manual for specific installation procedures and specifications. The ProTech bulletins listed below cover topics that will assist with part selection, describe typical installation problems, and provide diagnostic solutions or suggestions and service advice.

### Before Installation

- PT 71-0001 PROM identification guide, GM vehicles 1982-1994
- PT 77-0002 Diagnostic basics
- PT 77-0003 GM component locator 1981-85 vehicles
- PT 77-0004 GM component locator 1980-83 vehicles
- PT 77-0005 Common failures destroy ECM - correct before installing replacement
- PT 77-0008 Voltage drop test - very helpful diagnostic test procedure
- PT 77-0009 10 Step Drivability Test
- PT 77-0010 1980's OE surface mount problem solution (typical part 77-7730)

### During Installation

- PT 77-0006 Use a PROM tool to protect device

### After Installation

- PT 77-0007 Restore drivability and performance after power disconnect
- PT 77-0011 PassLock Relearn detailed procedures

CARDONE Technical Service develops ProTech® bulletins that are intended to help the installer avoid common installation and service errors. The information presented is derived from our own experience and product knowledge gained from component analysis and research. Following these tips will ensure the best possible performance and service life of the replacement unit.

Please note that these bulletins are provided for your technical information only and are not authorization for repair.