

CARDONE™ ProTech®

Supporting Today's Vehicle Technician



CARDONE Corrects GM ECM Surface Mount Problem

Application

G.M. Electronic Control Computers with surface mount technology. Original part numbers are:16156647, 1227165, 1227303, 1227727, 1227730,1227748, 1227749, 1228253, 1228321, 1228547, 1228706, and 16149396.

Problem

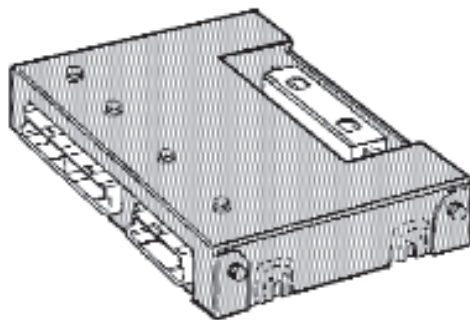
Engine misfire, hesitation, and intermittent check engine light and stalling.

Cause

The original conformal coating applied by G.M. swelled, causing movement of the electronic components and cracking of critical solder joints.

Solution

In 1994, a new process was introduced into production by CARDONE. The original conformal coating is removed, then the components on the printed circuit board are resoldered and tested. Finally, a new formula conformal coating is applied to seal the circuit board to complete the process.



Note

CARDONE Electronic Control Computer part numbers with the updated process are: 77-6647, 77-7165, 77-7303, 77-7727, 77-7730, 77-7748, 77-7749, 77-8253, 77-8321, 77-8547, 77-8706 and 77-9396.