CARDONE® ProTech

Supporting Today's Professional Technician

FLASH²
ALL-MAKES
REPROGRAMMER

ProTech Summary: Flash Reprogramming

Most Flash problems are the result of:

- Improper PC set-up
- Incorrect vehicle information
- Incorrect PCM
- Faulty PCM

1. First, be sure the PC meets the minimum specifications set forth by the flash tool and the OEM flash software manufacturers.

2. Next, be sure all software is current. In the case of the Flash² All-Makes Reprogrammer, be sure it is running the latest Console software and matching firmware.

3. Read and be familiar with the Flash² All-Makes Reprogrammer User Manual. It is a current guide to tool set-up and basic OEM flash program use.

4. Before flashing, verify that the correct PCM is being flashed and that the vehicle information is correct.

5. Finally, if flashing on-car, use an external helper battery or approved power source. Many flash sessions require long periods with the lights on or doors open. A sure way to damage the PCM or to cause a failed flash is to have the vehicle voltage drop below 12 volts while flashing.

The ProTech bulletins listed below cover the most common flash problems and their solutions. The importance of becoming very knowledgeable and experienced with the OEM's flash program cannot be overstressed. Knowing how their program works, how to flash the vehicle, and what to do after flashing will result in success.

Before Flashing:

PT 70-0001   Flash² All-Makes Reprogrammer User Manual and OEM Error Summary Chart
PT 70-77-0001   GM after-flashing specific on-car security relearns
PT 70-77-0009   CARDONE Flash service
PT 70-79-0004   Recommended calibration selection method for Chrysler flashing
PT 79-0001A   Pre-flashed Chrysler PCM's may require VIN and SRI programming

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During Flashing:

GM

PT 70-77-0007   VCI: Contacting GM for applications with no calibration information

Chrysler

PT 70-79-0002   VIN case can affect VIN programming
PT 70-79-0003   On-Car Chrysler flash precautions
PT 79-0002   Dodge R series trucks VIN problem

After Flashing (Relearns):

GM

PT 70-77-0010   Relearn procedure reference to Pass lock, IPC, CKP, TDC, and others
PT 77-0011   Vehicle Theft Deterrent (Passlock) Relearn explanations and procedures

Ford

PT 70-78-0001   Passive Anti-Theft System (PATS) causes no-start — reference to Ford Flash Manual
PT 78-0004   PATS: Vehicle types and simplified explanation of On-Car key relearn procedures

Chrysler

PT 79-0001A   VIN and Service Reminder Indicator (SRI) programming

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CARDONE Technical Service develops ProTech bulletins that are intended to help the installer avoid common problems and errors. The information presented is derived from our own experience and product knowledge. Following these tips, as well as your vehicle's service manual, will ensure the best possible performance and results.

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