



# NAPA Tech TIPS

SUPPORTING TODAY'S PROFESSIONAL TECHNICIAN

## No Start After Replacing Ford PCM

### Application:

1996 and later Ford vehicles with Passive Anti-Theft System (PATS).

### Problem:

After replacing the PCM, the engine may crank and even fire initially, but die almost immediately.

### Cause:

Certain Ford vehicles incorporate the Passive Anti-Theft System (PATS). This security feature immobilizes the vehicle by disabling the fuel pump, injectors and possibly the starter, until the ignition key relearn is performed on the car.

### Solution:

Motorcraft Service provides a reference chart that identifies all Ford PATS vehicles. It also provides a Flash User Manual that describes the requirements and procedures needed to Flash and reset PATS after the ECM has been replaced. To access this information online, please follow these steps:

1. Go to [www.motorcraftservice.com](http://www.motorcraftservice.com)
2. Access your subscriptions
3. Select "Reprogramming and Initialization"
4. Select the "Initialization (PATS) Information" section
5. Then select and download the Passive Anti-Theft System Chart
6. Locate and download the user manual in the "Ford Module Programming Application" section.

The chart identifies PATS vehicles and outlines the procedures and requirements needed to do PATS. A thumbnail of the PATS chart is below. This information, along with a valid Ford Module Program subscription and an All-Makes Flash Reprogrammer will enable you to conduct the PATS relearn.

| Ford              |                               | Passive Anti-Theft         |          |                       |                           |   |               |
|-------------------|-------------------------------|----------------------------|----------|-----------------------|---------------------------|---|---------------|
| Vehicle           | Model Year (1996-2007)        | PATS Control Function Type | Max Keys | Minimum Keys Required | Starter Interrupt Present | Theft Indicator Flashes at Ignition OFF | Param Relearn |
| Contour (V6 Only) | 98 (before 2/2/98)            | A                          | 16       | 1                     | Yes                       | Yes                                     | N/A           |
|                   | 98 (2/2/98 build or later)-00 | E                          | 8        | 2                     | Yes                       | Yes                                     | N/A           |
| Crown Victoria    | 98-02                         | B                          | 8        | 2                     | No                        | Yes                                     | #             |
|                   | 03-07                         | E                          | 8        | 2 or 3                | Yes                       | Yes                                     | N/A           |
| Edge              | 07                            | C                          | 8        | 2                     | Yes                       | Yes                                     | #             |
| Escape            | 01-04                         | E                          | 8        | 2                     | Yes                       | Yes                                     | N/A           |
|                   | 05-07                         | E                          | 8        | 2                     | Yes                       | Yes                                     | N/A           |
| Escape HEV        | 06-07                         | F                          | 8        | 2                     | No                        | Yes                                     | #             |
| Excursion         | 00-05                         | B                          | 8        | 2                     | No                        | Yes                                     | #             |

### Note:

This Tech Tip bulletin is supplied as technical information only and is not an authorization for repair.