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IMPORTANT NOTICES

SAFETY DEFINITIONS

Follow all **DANGER**, **WARNING**, **IMPORTANT**, and **Notes** messages in this manual. These safety messages are defined and formatted as follows:



DANGER: Means you risk possible loss of life.



WARNING: Means you risk bodily harm.

IMPORTANT: Means that the information demands special attention or that you risk damage to the vehicle or the tool.

Note: *Provide clarity and helpful tips.*

The safety messages cover situations SPX is aware of. SPX cannot know, evaluate or advise you as to all of the possible hazards. You must be certain that any conditions or service procedures encountered do not jeopardize your personal safety.

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SAFETY PRECAUTIONS

! **DANGER:** When an engine is operating, keep the service area **WELL VENTILATED** or attach a building exhaust removal system to the engine exhaust system. Engines produce carbon monoxide, an odorless, poisonous gas that causes slower reaction time and can lead to serious personal injury or loss of life.



! **WARNINGS:**

- When working with hydraulic or fuel lines, liquids under pressure may escape and create a dangerous condition. Use adequate ventilation and make sure there are no sparks or possibility of sparks present that may ignite any vapor.
- Wear an American National Standards Institute (ANSI) approved eye shield when testing or repairing vehicles. Objects propelled by whirling engine components or pressurized liquids escaping may cause personal injury.
- Set the parking brake and block the wheels before testing or repairing a vehicle. It is especially important to block the wheels on front-wheel drive vehicles because the parking brake does not hold the drive wheels.
- Do not drive the vehicle and operate the scan tool at the same time. Any distractions may cause an accident. Have one person operate the scan tool as another person drives the vehicle.
- Maintain adequate clearance around moving components or belts during testing. Moving components and belts can catch loose clothing, body parts, or test equipment and cause serious damage or personal injury.
- Automotive batteries contain sulfuric acid and produce explosive gases that can result in serious injury. To prevent ignition of gases, keep lit cigarettes, sparks, flames, and other ignition sources away from the battery at all times.
- Refer to the service manual for the vehicle being serviced and adhere to all diagnostic procedures and precautions. Failure to do so could result in personal injury or otherwise unneeded repairs.



IMPORTANT: To avoid damage to the scan tool or generation of false data, make sure the vehicle battery is fully charged and the connection to the vehicle DLC is clean and secure.

IMPORTANT: Do not place the scan tool on the distributor of a vehicle. Strong electro-magnetic interference can damage the scan tool.

Introduction

This **User Guide** provides operating instructions for the scan tool diagnostic, system setup, and playback functions. It is a companion manual to the printed **Quick Start Guide** that you received with the scan tool as follows:

When the scan tool is first turned on, the Application Manager screen displays the test options.

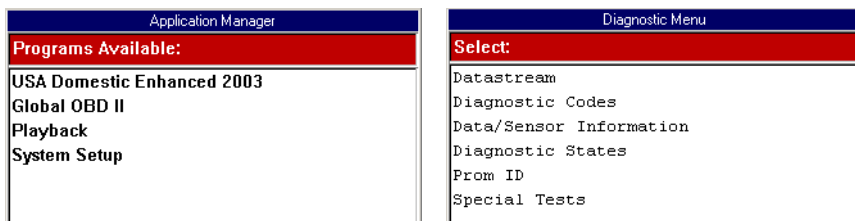


Figure 1.1: Application Manager Screen and Diagnostic Menu Screen

- **USA Domestic Enhanced 2003** and **Global OBD II** — these options are for vehicle diagnostic testing. They require that you enter vehicle information into the scan tool and connect a cable between the scan tool and the vehicle. After you do this, the Diagnostic Menu screen (shown above) displays the diagnostic functions for the vehicle. The **Quick Start Guide** provides the steps for entering the vehicle information, connecting the cable, and displaying the Diagnostic Menu screen. This **User Guide** provides detailed procedures for using each of the diagnostic functions listed on the Diagnostic Menu screen: **Datastream**, **Diagnostic Codes**, **Data / Sensor Information**, **Diagnostic States**, **Prom ID**, and **Special Tests**.
- **Playback** and **System Setup** — these options do not require a vehicle connection. The **Quick Start Guide** provides introductory steps for these functions. This **User Guide** provides detailed procedures for using these functions.

IMPORTANT: The procedures in this **User Guide** assume you have read the **Quick Start Guide** and are familiar with the scan tool and the ScanMate PC software.

Note: The Diagnostic Menu screen shown above is only an example; it shows all possible options.

Datastream

The Datastream function lets you view live data readings from the selected electronic control module (ECM).

Basic Procedure

- 1 Follow the instructions in "Test Startup and Vehicle Connection" in the **Quick Start Guide** to display the Diagnostic Menu screen.

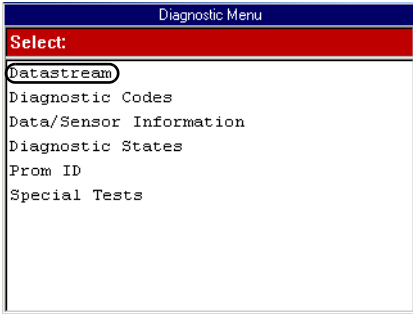


Figure 2.1: Diagnostic Menu Screen

- 2 Select **Datastream** and press the **ENTER** key. This displays either a Datastream Groups screen or a PCM Selection Menu screen.

Note: If neither of these screens appear, skip step 3.

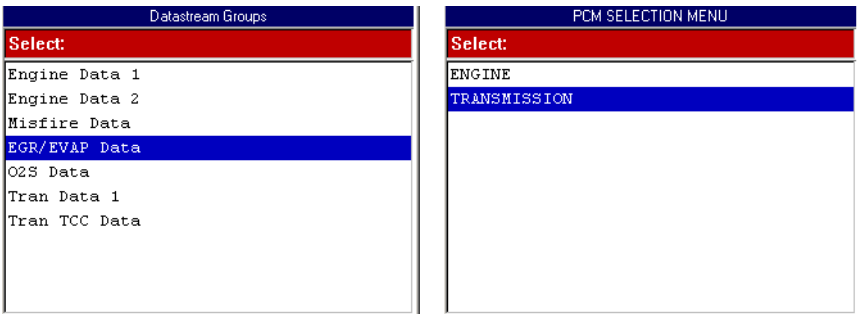


Figure 2.2: Datastream Groups Screen and PCM Selection Menu Screen

- 3 **Select an option** and press the **ENTER** key. This displays the Datastream screen.

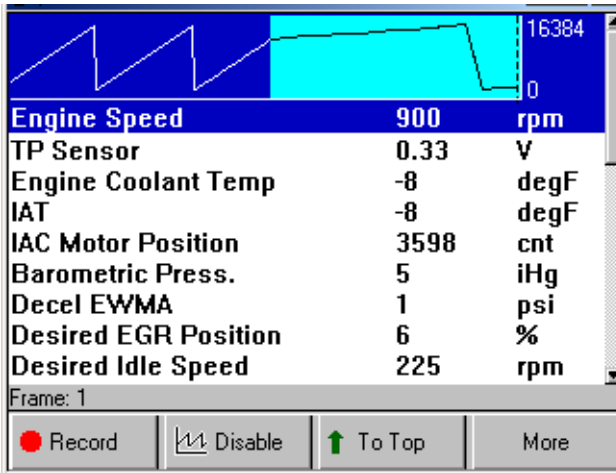


Figure 2.3: Datastream Screen

4 Notice the following about the Datastream screen:

- Each line displays a data item. The first time you test a vehicle, the top line is displayed in Graph format and the remaining lines are displayed in Digital format. (See [“Remembered Settings”](#) on [page 22](#).)
- You use the **Up** and **Down Arrow** keys to scroll through the data lines and to select a line.
- The screen’s data updates as the software reads from the vehicle’s ECM. Each update is called a “frame” of data.
- The function keys at the bottom of the screen (Record, Disable, To Top, and More) let you perform several other functions on the screen. For details, refer to the next section, [“Functions Overview”](#) on [page 8](#).
- The status line (above the function keys) displays the current frame number and other software status information.
- You can stop and start the live readings at any time. When you stop the readings, the data “freezes” on the screen. For details, refer to [“Freeze Frame”](#) on [page 13](#).

5 When you are finished using the screen, use the **EXIT** key to return to previous screens.

Functions Overview

There are several functions you can use on the Datastream screen. Most of them are activated using the function buttons on the screen. These functions, described in detail on the next few pages, include the following:

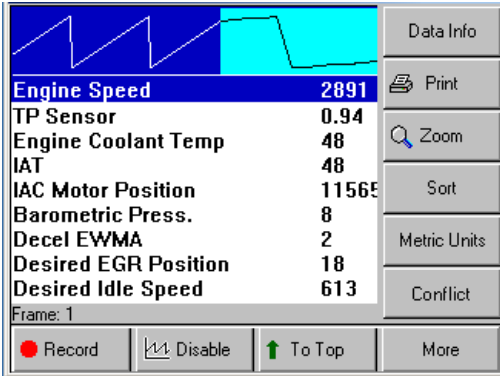


Figure 2.4: Datastream Screen Function Buttons

- **Record** — saves (“records”) the data for viewing again at a later time. (See [page 9](#).)
- **Graph / Disable (Digital)** — changes the format of a selected line from digital to graphical, or vice versa. (See [page 11](#).)
- **To Top** — moves one selected data line to the top of the screen. (See [page 12](#).)
- **Freeze Frame** — temporarily stops the live data readings and lets you view past data. (See [page 13](#).)

Note: *The following functions are on the More menu that appears when you press the More function key.*

- **Data Info** — displays vehicle-specific, sensor and switch descriptions and typical data values. (See [page 14](#).)
- **Print** — prints the current data display. (See [page 16](#).)
- **Zoom** — enlarges the view of a data line. (See [page 17](#).)
- **Sort** — rearranges the data lines either alphabetically or with graphed or selected (“locked”) lines at the top. (See [page 18](#).)
- **English / Metric Units** — changes the units of measure for the data from English to Metric, or vice versa. (See [page 20](#).)
- **Conflict** (not shown above) — for Global OBD II testing, shows details when two or more PCMs are reading conflicting data for a sensor or switch. (See [page 21](#).)

Note: *There are a couple of automatic Datastream functions: **Remembered Settings** and **DTC-Triggered Record**. They are described on [page 22](#).*

Record

The Record function lets you save up to five (5) data files of up to 150 frames of data (75 frames that occur before pressing the Record function key and 75 frames that occur after pressing the key). You can then use the Playback function to view the saved files.

Note: *The length of time for each frame varies per vehicle. Generally, one frame of data is about 1/4 of a second, or 4 frames per second.*

- 1 Follow the steps in [“Basic Procedure”](#) on [page 6](#) to display the Datastream screen.

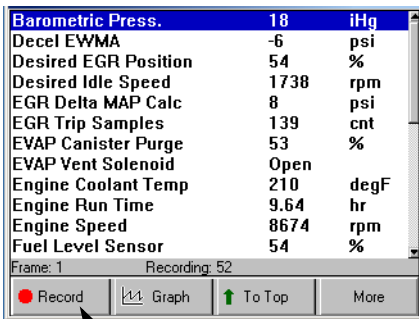


Figure 2.5: Record Function

- 2 The recording includes all data lines that are within view on the screen and locked and graphed lines that are not in view on the screen. Optionally, do any of the following to select data lines to include in the recording:
 - To lock a line, **select the line** and then press the **ENTER** key. This places a padlock icon at the left side of the line. Repeat this for as many lines as you want to lock and include in the recording.

Note: *To unlock a line, select the line again and press the ENTER key again. This removes the padlock icon from the left side of the line.*
 - To change a line to the Graph view, **select the line** and press the **Graph** function key. For details, refer to [“Graph / Disable \(Digital\)”](#) on [page 11](#).
 - To move a line to the top, **select the line** and press the **To Top** function key. For details, refer to [“To Top”](#) on [page 12](#).

3 Press the **Record** function key ([Figure 2.5](#) on [page 9](#)). This does the following:

- Temporarily shades the Record function key.
- Automatically records the past 75 frames of data that occurred before pressing the key (or however many have occurred if less than 75), continues recording the next 75 frames of data as they occur, and then stops recording.

Note: *To record less than 150 frames of data, press the EXIT key at any time. This stops the recording and saves only the frames already captured.*

- Displays a countdown on the status line of the number of frames left to be recorded (from Recording: 75 to Recording:1). When the countdown reaches 1, the recorded data is saved as an Event file and placed in a Playback folder.

Note: *The playback folder holds up to five (5) Event files. When you record more than five files, new recordings overwrite the old ones. For details, refer to "[Playback](#)" on [page 78](#).*

4 When the recording stops, continue viewing live data or use the **EXIT** key to return to previous screens.

5 To view the saved data file, refer to "[Playback](#)" on [page 78](#).

Graph / Disable (Digital)

The Graph/ Disable function lets you change the format for each line on the Datastream screen from digital to graphical, or vice versa.

- When a line is displayed as Digital, its reading is a word or a number, as shown for all the lines in the screen on the left side in [Figure 2.6](#).
- When a line is displayed as a Graph, its reading is a line graph as shown for the top line in the screen on the right side in [Figure 2.6](#). The graph has a past activity section and a magnified live activity window. The minimum and maximum measurements appear to the right of the graph and the digital reading is below the graph. You can use the Left and Right Arrow keys to move the magnified window through the data. Refer to "[Freeze Frame](#)" on [page 13](#).

- 1 Follow the steps in "[Basic Procedure](#)" on [page 6](#) to display the Datastream screen.

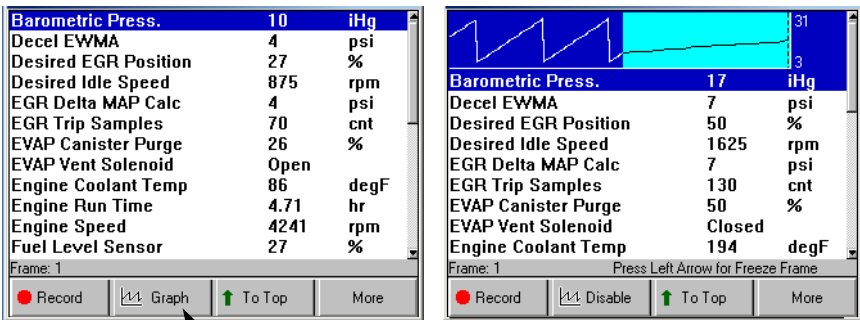


Figure 2.6: Graph / Digital Display Function

- 2 Select the line to change.
- 3 Press the **Graph / Disable** function key.

Note: When you press the key, the name of this function key changes to represent the display type that will appear the next time you press the key.

- 4 Repeat steps 2 and 3 for each line to change.

To Top

The To Top function lets you move a selected data line to the top of the Datastream screen.

Note: You can also use the Sort function to rearrange the data lines.

For details, refer to [“Sort”](#) on [page 18](#).

- 1 Follow the steps in [“Basic Procedure”](#) on [page 6](#) to display the Datastream screen.

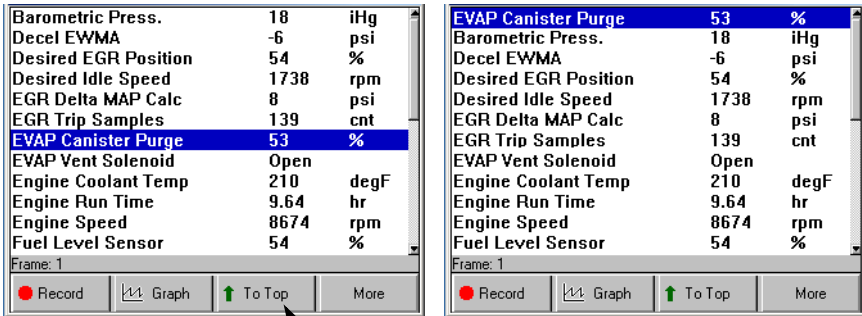


Figure 2.7: To Top Function — Before and After

- 2 **Select the line** to move.
- 3 Press the **To Top** function key to move the line.
- 4 Repeat steps 2 and 3 for each line to move.

Freeze Frame

The Freeze Frame function lets you temporarily stop the live datastream readings and view past data frame-by-frame.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 6](#) to display the Datastream screen.

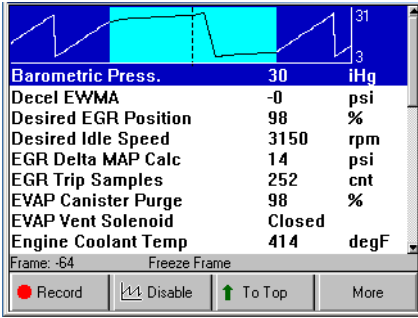


Figure 2.8: Freeze Frame Function

- 2 Use the **Left Arrow** key to begin the freeze function.
- 3 Repeatedly press the **Left Arrow** key to move backward through the data. Notice the following:
 - The Frame number (above the Record key) changes to show the frame number of the currently-displayed data.
 - The message next to the frame number flashes as “Freeze Frame” and “Exit to resume”.
 - On any displayed graphs, the vertical, dashed-line moves to display the past data for each frame.
 - On any displayed digital lines, the data changes to display the past data for each frame.
- 4 Use the **Left** and **Right Arrow** keys to move backward or forward through the data, frame-by-frame.
- 5 When finished, press the **EXIT** key to resume the live readings.

Data Info

The Data Info function on the Datastream screen's More menu lets you view vehicle-specific, sensor and switch descriptions and typical data values.

Note: The Data / Sensor Information function is also available directly from the Diagnostic Menu screen. For details, refer to "[Data / Sensor Information](#)" on [page 65](#).

- 1 Follow the steps in "[Basic Procedure](#)" on [page 6](#) to display the Datastream screen.

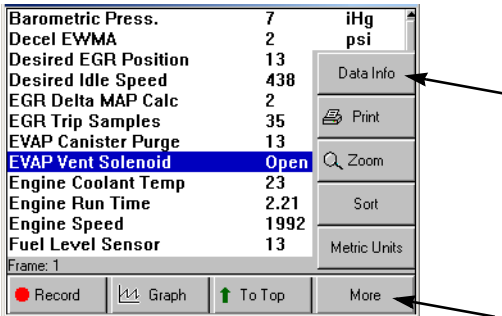


Figure 2.9: More Menu

- 2 Press the **More** function key.
- 3 Select **Data Info** and press the **ENTER** key.

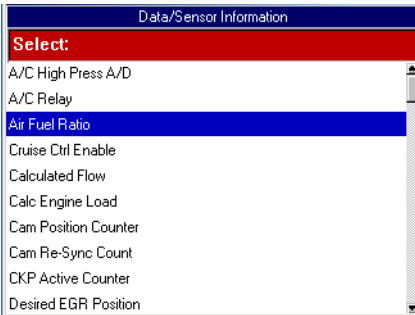


Figure 2.10: Data / Sensor Information Screen

- 4 Select an item and press the **ENTER** key.

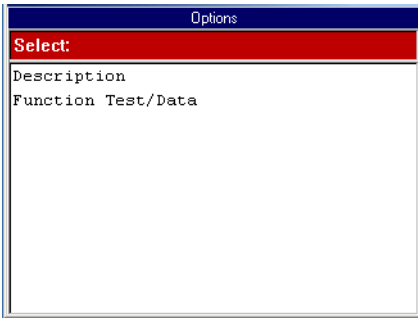


Figure 2.11: Options Screen

- 5 Select an option as follows:
 - Select **Description** to view a description of the selected sensor or switch.
 - Select **Function Test / Data** to view the typical value or other information about the selected sensor or switch.
- 6 Press the **ENTER** key to display the next screen, either the Description or Function Test / Data screen.

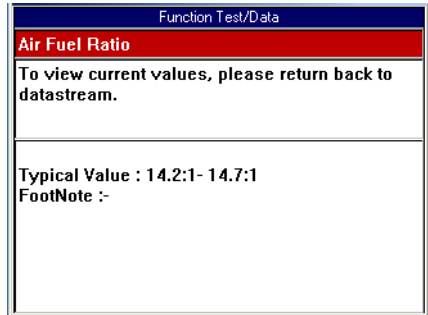
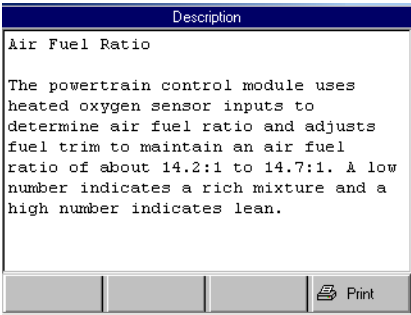


Figure 2.12: Description Screen and Function Test / Data Screen

- 7 View the information (and optionally print the description).
- 8 After viewing the information, use the **EXIT** key to return to previous screens.

Print

The Print function on the Datastream screen's More menu lets you print a text listing of data through the ScanMate PC software on a connected PC.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 6](#) to display the Datastream screen.

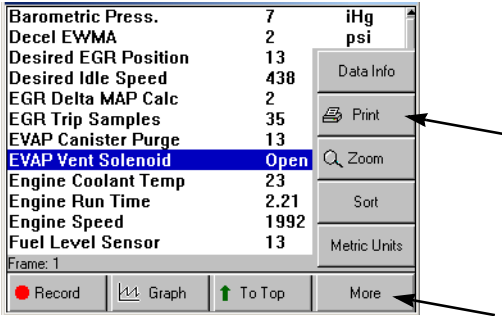


Figure 2.13: More Menu

- 2 The printout includes all data lines that are within view on the screen, and locked and graphed lines that are not in view on the screen. Optionally, do any of the following to select data lines to include in the printout:
 - To lock a line, **select the line** and then press the **ENTER** key. This places a padlock icon at the left side of the line. Repeat this for as many lines as you want to lock and include in the printout.

Note: To unlock a line, select the line again and press the **ENTER** key again. This removes the padlock icon from the left side of the line.
 - To change a line to the Graph view, **select the line** and press the **Graph** function key. For details, refer to "[Graph / Disable \(Digital\)](#)" on [page 11](#).
 - To move a line to the top, **select the line** and press the **To Top** function key. For details, refer to "[To Top](#)" on [page 12](#).
- 3 Make sure the ScanMate PC software is prepared for printing. (Refer to "[Scan Tool Printing Procedure](#)" in the **Quick Start Guide**).
- 4 On the scan tool, press the **More** function key.
- 5 Select **Print** and press the **ENTER** key.
- 6 View and print the data on the PC.

Zoom

The Zoom function on the Datastream screen's More menu lets you magnify the view of each data line on the Datastream screen.

Note: The function can be used for the normal display or for a "frozen" display.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 6](#) to display the Datastream screen.

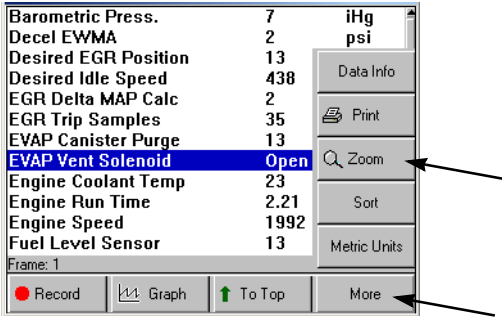


Figure 2.14: More Menu

- 2 Select the line to change.
- 3 Press the **More** function key.
- 4 Select **Zoom** and press the **ENTER** key to magnify the line.

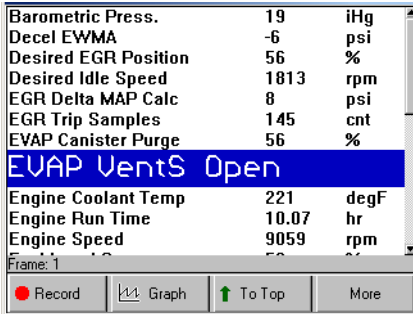


Figure 2.15: Zoom Function

Note: To remove the "Zoom" view from a line, select the line and the Zoom menu option again.

Sort

The Sort function on the Datastream screen's More menu lets you rearrange the data on the Datastream screen either alphabetically or with graphed or selected ("locked") lines at the top of the screen.

Note: You can also use the To Top function to rearrange the data lines. For details, refer to ["To Top"](#) on [page 12](#).

- 1 Follow the steps in ["Basic Procedure"](#) on [page 6](#) to display the Datastream screen.
- 2 Optionally, do the following to "lock" lines or change the view of lines to "graph":
 - To lock a line, **select the line** and then press the **ENTER** key. This places a padlock icon at the left side of the line, as shown in [Figure 2.16](#). Repeat this for as many lines as you want to lock and move to the top of the screen.

Note: To unlock a line, select the line again and press the ENTER key again. This removes the padlock icon from the left side of the line.
 - To change a line to the Graph view, **select the line** and press the Graph function key. For details, refer to ["Graph / Disable \(Digital\)"](#) on [page 11](#).

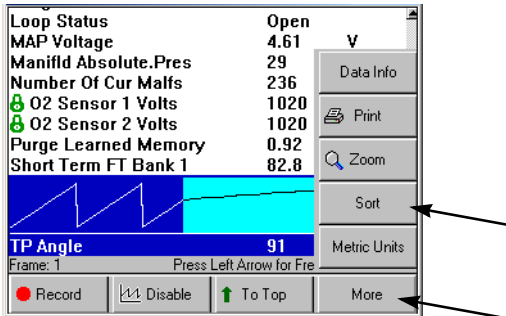


Figure 2.16: More Menu

- 3 Press the **More** function key.
- 4 Select **Sort** and press the **ENTER** key.

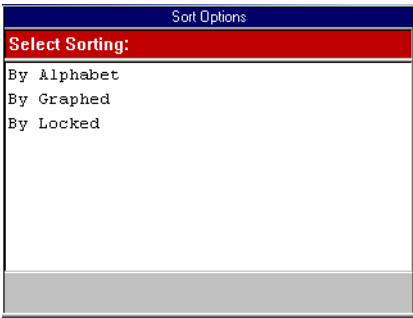


Figure 2.17: Sort Options Screen

- From the Sort Options screen, select one of the following:
 - Select **By Alphabet** to sort the data alphabetically.
 - Select **By Graphed** to move all the graphed lines to the top of the screen.
 - Select **By Locked** to move all the locked lines to the top of the screen.
- Press the **ENTER** key to display the rearranged lines.

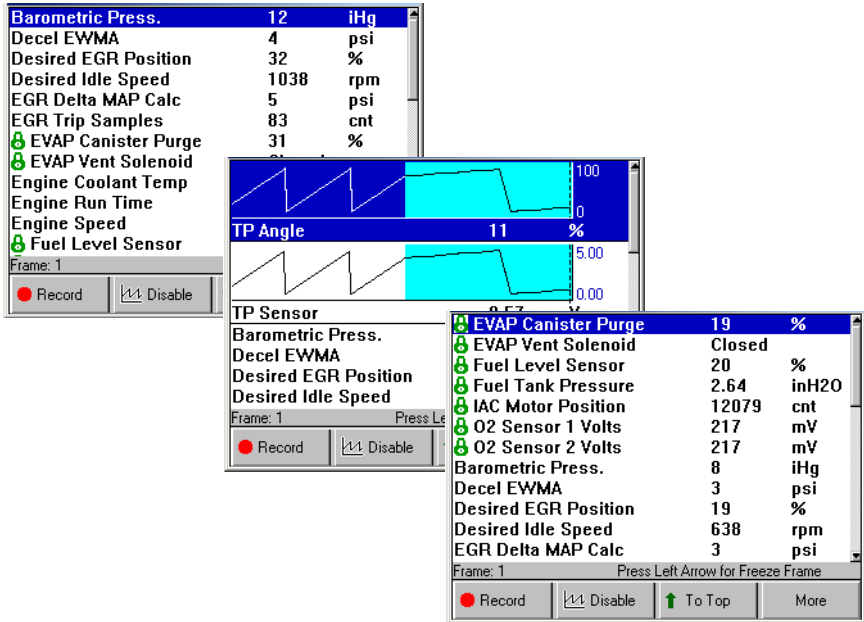


Figure 2.18: Sort Function Results: By Alphabet, Graph, and Locked

English / Metric Units

The English / Metric Units function on the Datastream screen's More menu lets you change the units-of-measure for the data from English to Metric, or vice versa.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 6](#) to display the Datastream screen.

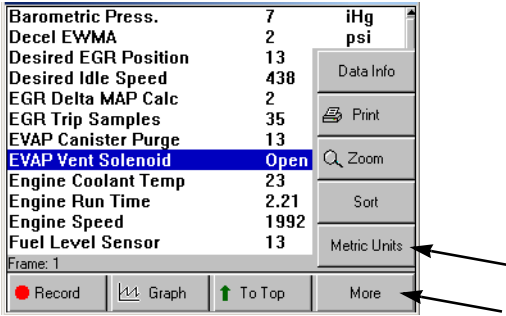


Figure 2.19: More Menu

- 2 Press the **More** function key.
- 3 Select **English Units** or **Metric Units** and press the **ENTER** key.
This displays the data in the selected units-of-measure.

Note: When you select this menu option, the name changes to represent the units-of-measure that will appear the next time you select it (English or Metric).

Conflict

The Conflict function on the Datastream screen's More menu lets you view detailed information when two or more powertrain control modules (PCMs) are reading data for the same sensor or actuator, but the readings do not match (there is a conflict). This function works only when you are using Global OBD II testing and when one or more lines on the Datastream screen are grey, indicating a conflict.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 6](#) to display the Datastream screen.
- 2 Notice if the data for any line(s) are grey. (If not, there are no conflicts.)

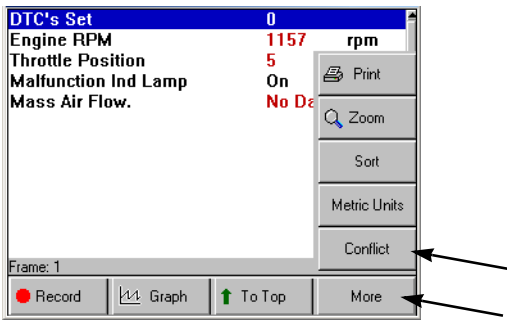


Figure 2.20: More Menu

- 3 Press the **More** function key.
- 4 Select **Conflict** and press the **ENTER** key.

PCM Conflict Display		
Throttle Position	TRAN	36.9%
Throttle Position	ENG	36.5%
Engine RPM	TRAN	5783rpm
Engine RPM	ENG	5654rpm

Figure 2.21: PCM Conflict Display Screen

- 5 The PCM Conflict Display screen lists the conflict item(s), the PCMs reading the item(s), and the readings for each PCM. Be aware of the following:
 - If there is a small difference between the readings for an item, the conflict is most likely due to a timing difference of when the PCMs reported the data.
 - If there is a large difference between the readings for an item, suspect a broken wire or PCM fault.
- 6 After viewing the items, use the **EXIT** key to return to previous screens.

Remembered Settings

When you have the Datastream screen displayed for a vehicle and you rearrange the data lines or change lines to graphs, and then exit the Datastream screen, the software automatically remembers the settings the next time you test the same vehicle. This applies to the 20 most-recently tested vehicles.

For example, if you lock certain lines or sort them, the settings will appear the next time you test the vehicle.

DTC-Triggered Recording

The scan tool has an automatic DTC-Triggered Recording function. This function works automatically and does not appear as an option on any menu. If a diagnostic trouble code (fault) occurs while you are testing a vehicle, the scan tool automatically creates a recording for playback and alerts you with a screen message. To replay these recordings, refer to “[Playback](#)” on [page 78](#).

Diagnostic Codes

The Diagnostics Codes functions let you read, review, and clear diagnostic trouble codes (DTCs) for the selected electronic control module (ECM).

Basic Procedure

- 1 Follow the instructions in "Test Startup and Vehicle Connection" in the **Quick Start Guide** to display the Diagnostic Menu screen.

Note: Make sure the vehicle's ignition key is in the On (Run) position with the engine off.

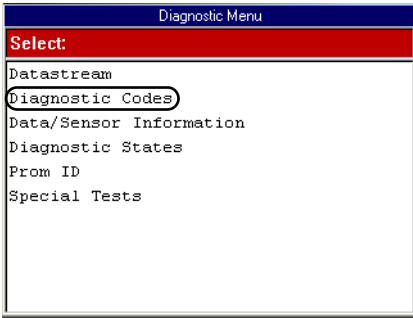


Figure 3.1: Diagnostic Menu Screen

- 2 Select **Diagnostic Codes** and press the **ENTER** key. This displays the Diagnostic Trouble Codes screen ([Figure 3.2](#) and [Figure 3.3](#)).

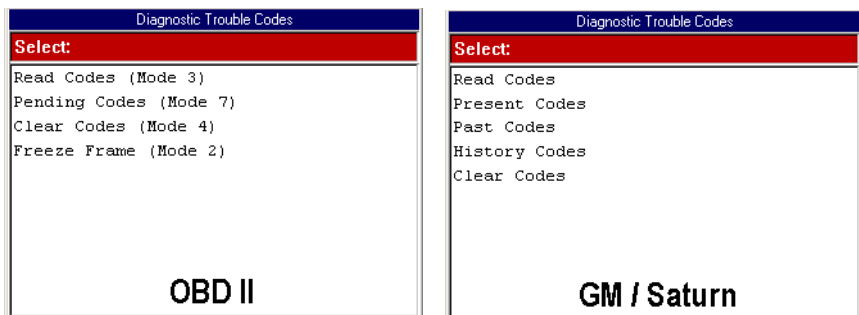


Figure 3.2: Diagnostic Trouble Codes Screen Examples — OBD II and GM / Saturn

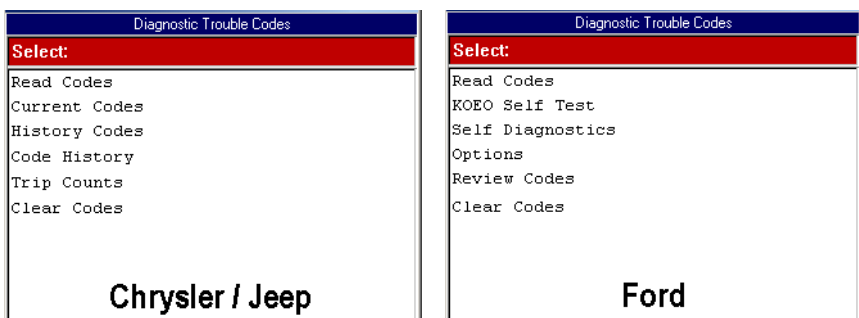


Figure 3.3: Diagnostic Trouble Codes Screen Examples — Chrysler / Jeep and Ford

Note: The screens shown above are only examples that show all possible options. During testing, only the options available for the vehicle and ECM being tested will appear on this screen.

- 3 Select an option and press the **ENTER** key to continue.
- 4 Refer to the following sections:
 - “[OBD II Codes](#)” on [page 25](#)
 - “[GM / Saturn Codes](#)” on [page 29](#)
 - “[Chrysler / Jeep Codes](#)” on [page 35](#)
 - “[Ford Codes](#)” on [page 42](#)

OBD II Codes

For OBD II vehicles, the Diagnostic Trouble Codes screen usually has the following menu options. (Refer to the page numbers given for the specific procedures.)

- “[Read Codes / Pending Codes](#)” (below)
- “[Clear Codes](#)” on [page 27](#)
- “[Freeze Frame](#)” on [page 28](#)

Read Codes / Pending Codes

The Read Codes function lets you view a list of active DTCs along with their descriptions. The Pending Codes function lets you view a list of codes previously set but not currently active.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

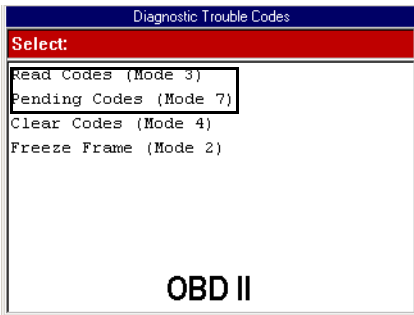


Figure 3.4: OBD II Diagnostic Trouble Codes Screen

Note: “Modes” are an older method for naming the functions. Refer to the vehicle’s manual for more information.

- 2 **Select one** of the following and then press the **ENTER** key to display the DTCs:
 - **Read Codes** — displays DTCs that have occurred a specified number of times and indicate a problem that requires repair.
 - **Pending Codes** — displays DTCs that have occurred at least once, but have not occurred enough times to be considered “Current.” (You can use this option to check recent repairs because it shows DTCs after only one drive cycle.)

Read Codes / Pending Codes (continued)

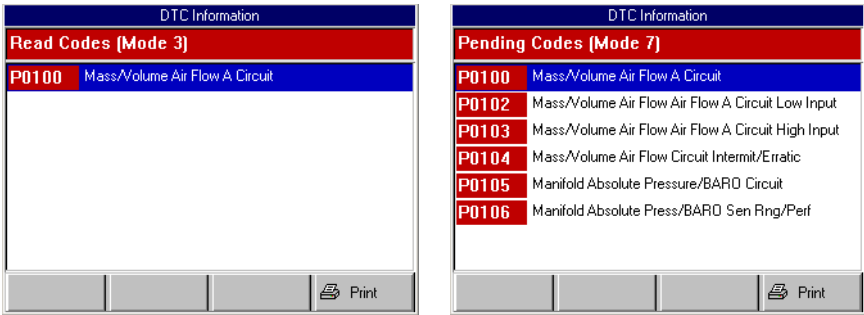


Figure 3.5: OBD II DTC Information Screens: Read Codes and Pending Codes

- 3 View the DTC list and optionally print it.
- 4 When finished, use the **EXIT** key to return to previous screens.

Note: Use the *Clear Codes* function to erase the codes from a vehicle's ECM. For details, refer to "[Clear Codes](#)" on [page 27](#).

Clear Codes

The Clear Codes function lets you clear the DTC codes from the vehicle's ECM.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

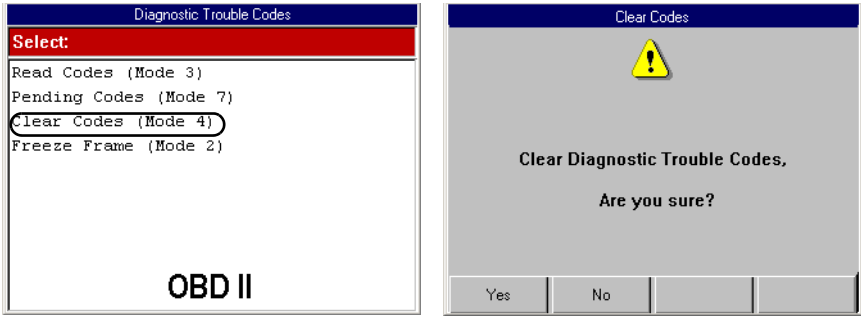


Figure 3.6: OBD II Diagnostic Trouble Codes Screen and Clear Codes Warning Screen

- 2 Select **Clear Codes** and press the **ENTER** key. This displays a warning screen, shown above.
- 3 Press the **Yes** function key and follow the instructions on each screen that appears. Press the function keys as necessary until the “DTCs have been cleared” Information screen appears.

Note: If a screen has no function keys, press the **ENTER** key to continue.

- 4 On the Information screen (not shown), press the **OK** function key.
- 5 Use the **EXIT** key to return to previous screens.

Freeze Frame

The Freeze Frame function lets you view datastream “snapshots” that were automatically recorded by the ECM when one or more DTCs occurred. By viewing the actual data values from the time of a fault, you may be able to determine what caused the fault.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

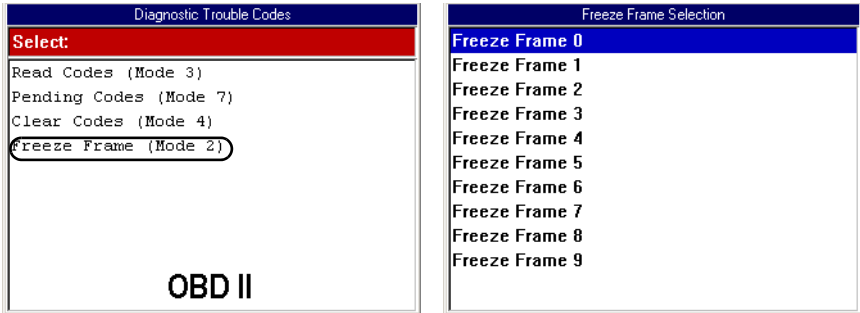


Figure 3.7: OBD II Diagnostic Trouble Codes Screen and Freeze Frame Selection Screen

- 2 Select **Freeze Frame** and press the **ENTER** key. This displays the Freeze Frame Selection screen, shown above. Each frame contains a snapshot from when a DTC occurred.
- 3 **Select a Frame** and press the **ENTER** key. This displays the snapshot data, shown below.

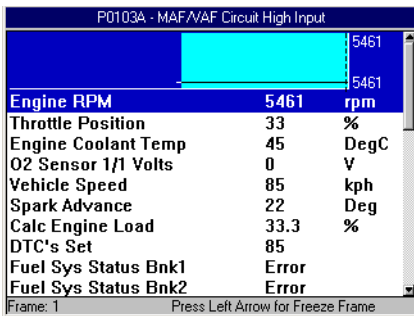


Figure 3.8: OBD II DTC Freeze Frame Screen

- 4 Use the **EXIT** key to return to previous screens.

GM / Saturn Codes

For GM and Saturn vehicle ECMs, the Diagnostic Trouble Codes screen usually has the following menu options. (Refer to the page numbers given for the specific procedures.)

- “[Read Codes / Present Codes and Past Codes / History Codes](#)” (below)
- “[Clear Codes](#)” on [page 34](#)

Note: *The Read Codes option appears most often (along with Clear Codes); the Present, Past, and History Codes appear less frequently (such as for some airbag or brake ECMs).*

Read Codes / Present Codes and Past Codes / History Codes

The Read Codes and Present Codes functions let you view a list of active DTCs for the selected ECM, along with their descriptions. The Past Codes and History Codes functions let you view a list of DTCs that have occurred intermittently.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

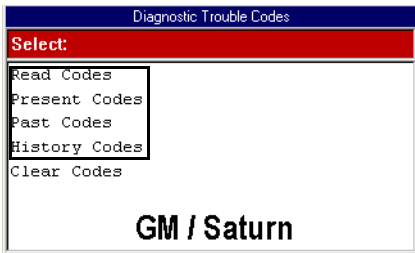


Figure 3.9: GM / Saturn Diagnostic Trouble Codes Screen

- 2 Select **Read Codes**, **Present Codes**, **Past Codes**, or **History Codes** and press the **ENTER** key. One of the following happens:
 - If the selected ECM stores only current codes, the DTC Information screen appears (see [Figure 3.11](#)). Go to step [5](#) on [page 31](#).
 - If the selected ECM stores more than current codes, the Read Codes screen appears (see [Figure 3.10](#)). Continue with the next step.

Read Codes / Present Codes and Past Codes / History Codes (continued)

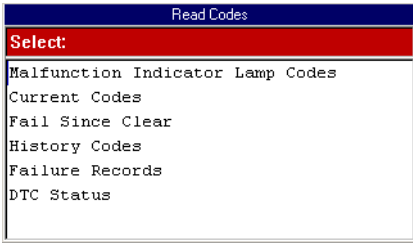


Figure 3.10: GM / Saturn Read Codes Screen

3 Select one of the following and then press the **ENTER** key:

- **Malfunction Indicator Lamp** — displays MIL codes, which are DTCs for the check engine light. (This option usually appears for the engine / powertrain ECMs).
- **Current Codes** — displays DTCs that have occurred a specified number of times and indicate a problem that requires repair. (This option appears for most ECMs.)
- **Pending Codes** — displays DTCs that have occurred at least once (during one drive cycle), but have not occurred enough times to be considered “Current.” (This option usually appears for anti-lock brakes ECMs.)
- **Fail Since Clear** — displays current and pending DTCs that have occurred since the last time DTCs were cleared from the ECM. (This option usually appears for the engine / powertrain ECMs).
- **History Codes** — displays DTCs that have occurred intermittently and are not currently active. (This option usually appears for the engine / powertrain and airbag ECMs).
- **Failure Records** — displays a list of Failure records so you can view datastream “snapshots” that were automatically recorded by the ECM when one or more DTCs occurred. By viewing the actual data values from the time of a fault, you may be able to determine what caused the fault. (This option usually appears for the engine / powertrain ECMs.)
- **DTC Status** — displays DTCs that have occurred a predetermined number of times so you can view detailed information about each DTC, such as pass or fail this ignition cycle, times failed, and so forth. (This option usually appears for the engine / powertrain ECMs).

Read Codes / Present Codes and Past Codes / History Codes (continued)

4 Do one of the following:

- If you selected Failure Records, the Failure Records Selection screen appears. Go to "[Failure Records](#)" on [page 32](#) (at the end of this procedure).
- If you selected DTC Status, the GM DTC Status Selection screen appears. Go to "[DTC Status](#)" on [page 33](#) (at the end of this procedure).
- If you selected any other option, the DTC list appears on the DTC Information screen. Continue with the next step.

Note: If there are no DTCs, a message appears to tell you this.

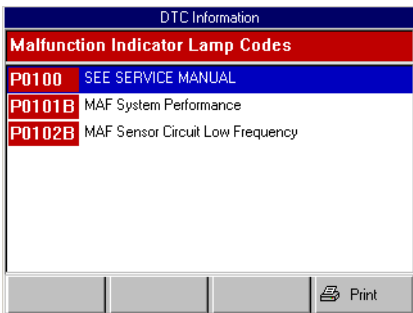


Figure 3.11: GM / Saturn DTC Information Screen

Note: GM codes are generally listed as A, B, C, or D in order of importance for repair.

5 View the DTC list and optionally print it.

6 When finished viewing the list, use the **EXIT** key to return to previous screens.

Note: Use the Clear Codes function to erase the codes from a vehicle's ECM. For details, refer to "[Clear Codes](#)" on [page 34](#).

Read Codes / Present Codes and Past Codes / History Codes (continued)

Failure Records

If you selected Failure Records in step 3 of the GM / Saturn Read Codes procedure (page 30), the Failure Records Selection screen appears (shown below). Do the following to view the failure records:

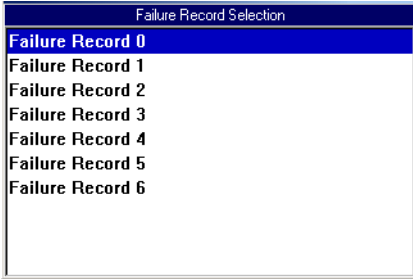


Figure 3.12: GM / Saturn Failure Records Selection Screen

- 1 Select a **Failure Record** to view and press the **ENTER** key.

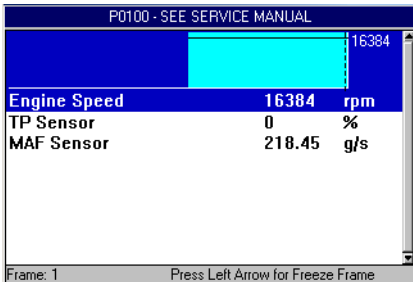


Figure 3.13: GM / Saturn Failure Records Screen

- 2 When finished, use the **EXIT** key to return to previous screens.

Read Codes / Present Codes and Past Codes / History Codes (continued)

DTC Status

If you selected DTC Status in step [3](#) of the GM / Saturn Read Codes procedure ([page 30](#)), the DTC Status Selection screen appears (shown below). Do the following to view status details for each DTC:

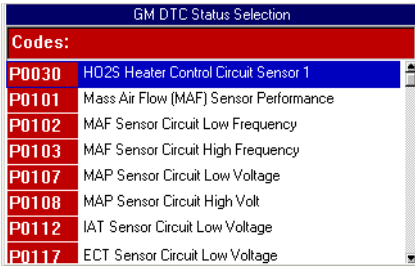


Figure 3.14: GM / Saturn DTC Status Selection Screen

- 1 Select a DTC for viewing details and press the **ENTER** key.

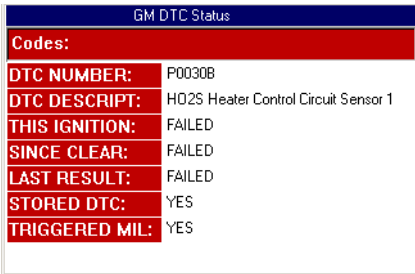


Figure 3.15: GM / Saturn DTC Status Screen

- 2 When finished viewing the data, use the **EXIT** key to return to previous screens.

Clear Codes

The Clear Codes option lets you clear DTC codes from the selected ECM.

Note: If Clear Codes is not an available menu option, consult the manufacturer's service manual for the correct "clear code" method.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 23](#) to display the Diagnostic Trouble Codes screen.

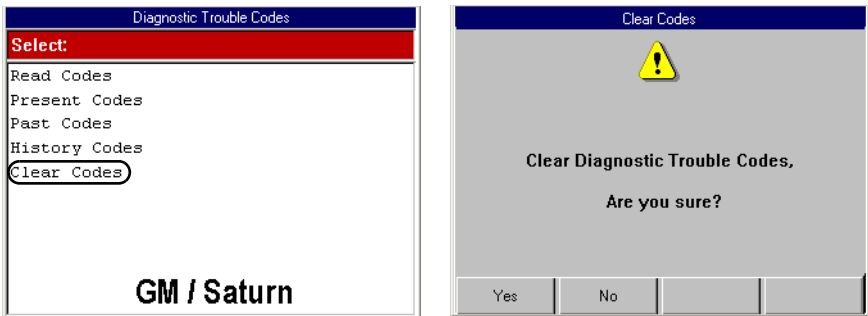


Figure 3.16: GM / Saturn Diagnostic Trouble Codes Screen and Clear Codes Warning Screen

- 2 Select **Clear Codes** and press the **ENTER** key. This displays a warning screen, shown above.
- 3 Press the **Yes** function key and follow the instructions on each screen that appears. Press the function keys as necessary until the "DTCs have been cleared" Information screen appears.

Note: If a screen has no function keys, press the **ENTER** key to continue.

- 4 On the Information screen (not shown), press the **OK** function key.
- 5 Use the **EXIT** key to return to previous screens.

Note: GM supplemental inflatable restraint (SIR) code 52, air bag has been deployed, cannot be cleared. All other codes clear and the SIR dash warning light turns off.

Chrysler / Jeep Codes

For Chrysler and Jeep vehicle ECMs, the Diagnostic Trouble Codes screen can include any of the following menu options. (Refer to the page numbers given for the specific procedures.)

- “[Read Codes / Current Codes and History Codes](#)” (below)
- “[Code History](#)” on [page 37](#)
- “[Trip Counts](#)” on [page 38](#)
- “[Clear Codes](#)” on [page 39](#)

Note: *Trip Counts usually appears for transmission ECMs only.*

Read Codes / Current Codes and History Codes

The Read Codes and Current Codes functions let you view a list of active DTCs for the selected ECM, along with their descriptions. The History Codes functions let you view a list of DTCs that have occurred intermittently and are not currently active.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

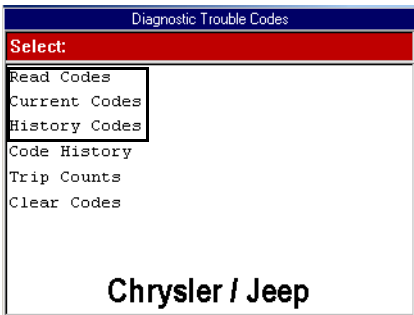


Figure 3.17: Chrysler / Jeep Diagnostic Trouble Codes Screen

- 2 Select **Read Codes**, **Current Codes**, or **History Codes** and press the **ENTER** key. A message displays and then the DTC list appears on the DTC Information screen.

Note: *If there are no DTCs, a message appears to tell you this.*

Read Codes / Current Codes and History Codes (continued)

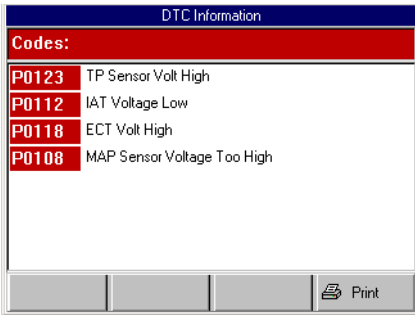


Figure 3.18: Chrysler / Jeep DTC Information Screen

- 3 View the DTC list and optionally print it.
- 4 When finished viewing the list, use the **EXIT** key to return to previous screens.

Note: Use the *Clear Codes* function to erase the codes from a vehicle's ECM. For details, refer to "[Clear Codes](#)" on [page 39](#).

Code History

The Code History function shows how many times the engine has been started since each fault was first detected. From this information, you can determine if a DTC is current or intermittent.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

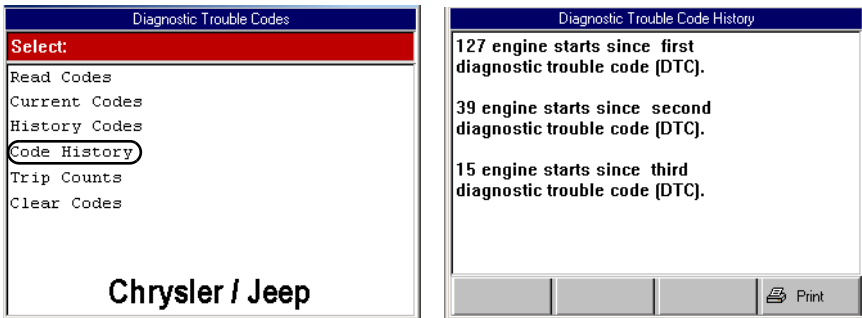


Figure 3.19: Chrysler / Jeep Diagnostic Trouble Codes Screen and Diagnostic Trouble Code History Screen

- 2 Select **Code History** and press the **ENTER** key. A message displays and then the code history list appears, as shown above.
- 3 View the list and optionally print it.
- 4 Be aware of the following:
 - The “first” DTC in the list is the oldest.
 - The number of engine starts (cycles) is since the code was first detected.
 - If engine starts is 1, the DTC occurred during the last ignition cycle and is current.
 - If engine starts is 2 or more, the code is present as an intermittent code, but is not current.
 - If no codes are found, a number shows how many engine starts have occurred (up to 255 times) since the codes were last cleared.
- 5 When finished, use the **EXIT** key to return to previous screens.

Trip Counts

The Trip Counts function tells you how many “trips” have occurred since the DTCs were last cleared.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

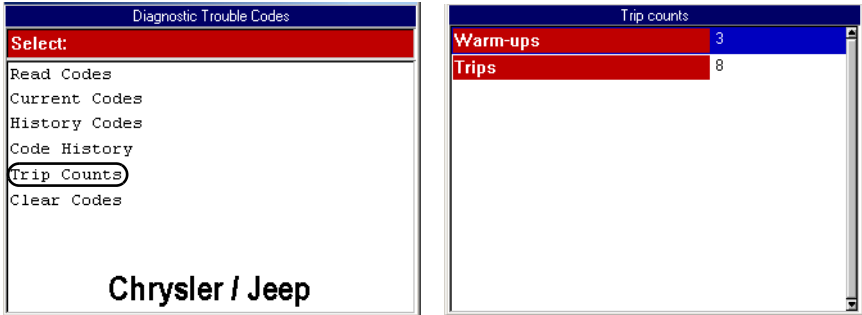


Figure 3.20: Chrysler / Jeep Diagnostic Trouble Codes Screen and Trip Counts Screen

- 2 Select **Trip Counts** and press the **ENTER** key to display the trip counts, as shown above.
- 3 Be aware of the following:
 - Warm-ups are the number of times the engine has reached operating temperature.
 - Trips are the number of times the engine has been warmed-up and driven long enough to meet critical system conditions.
- 4 When finished, use the **EXIT** key to return to previous screens.

Clear Codes

The Clear Codes option lets you clear DTC codes from the selected ECM. This section includes two separate Clear Codes procedures as follows:

- “[Clear Codes with Scan Tool](#)” (below)
- “[Clear Codes Manually](#)” on [page 41](#)

Note: If Clear Codes is not an available menu option, consult the manufacturer’s service manual for the correct “clear code” method.

Clear Codes with Scan Tool

For some vehicles, this Clear Codes function clears the DTCs from the selected ECM.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

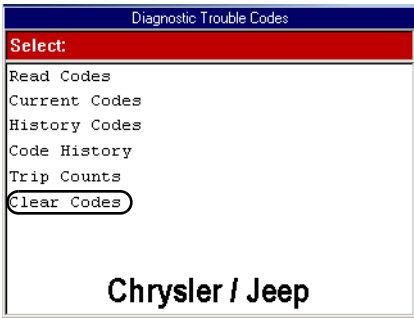


Figure 3.21: Chrysler / Jeep Diagnostic Trouble Codes Screen

- 2 Select **Clear Codes** and press the **ENTER** key. This displays a warning message with instructions for clearing the DTCs.

Clear Codes (continued)

Clear Codes with Scan Tool (continued)

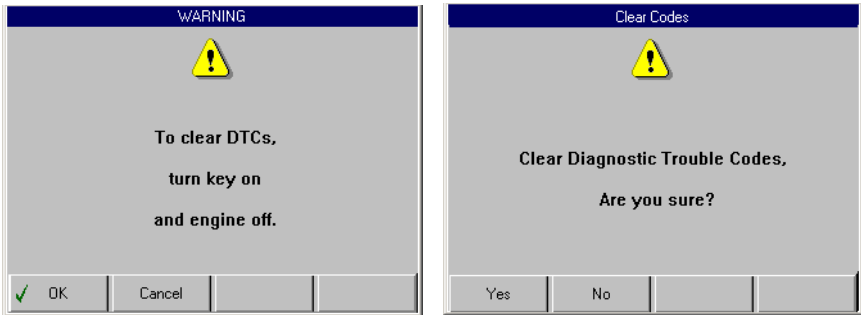


Figure 3.22: Chrysler / Jeep Clear Codes Warning Screens

- 3 Follow the instructions on each screen that appears. Press the function keys as necessary until the “DTCs have been cleared” Information screen appears.

Note: If a screen has instructions but no function keys, press the ENTER key to continue.

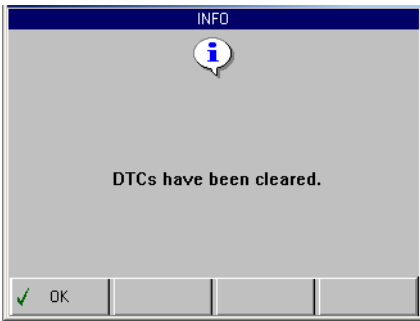


Figure 3.23: Chrysler / Jeep DTCs Cleared Information Screen

- 4 Press the **OK** function key to continue.
- 5 Use the **EXIT** key to return to previous screens.

Clear Codes (continued)

Clear Codes Manually

For some vehicles, this Clear Codes function displays instructions for how to manually clear DTCs from the selected ECM.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

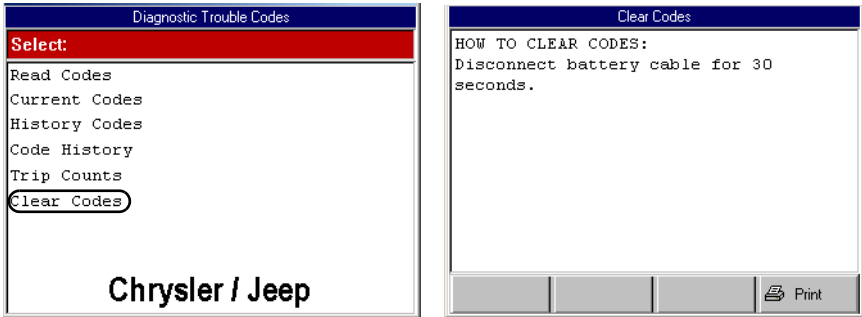


Figure 3.24: Chrysler / Jeep Diagnostic Trouble Codes Screen and Clear Codes Screen

- 2 Select **Clear Codes** and press the **ENTER** key. This displays instructions for manually clearing the codes, shown above.
- 3 View the instructions and optionally print them.
- 4 Use the **EXIT** key to return to previous screens.

Ford Codes

For Ford vehicle ECMs, the Diagnostic Trouble Codes screen can include any of the following menu options. (Refer to the page numbers given for the specific procedures.)

- “[Read Codes](#)” (below)
- “[KOEO Self Test](#)” on [page 48](#)
- “[Self-Diagnostics](#)” on [page 50](#)
- “[Options](#)” on [page 53](#) (includes “[Output State](#)”, “[Idle Air Adjust](#)” and “[Wiggle Test](#)”)
- “[Review Codes](#)” on [page 60](#)
- “[Clear Codes](#)” on [page 62](#)

Read Codes

For Ford vehicles, the Read Codes function varies by vehicle. This section includes three separate Read Codes procedures, as follows:

- “[Read and Display Codes](#)” on [page 43](#) — this procedure reads and displays the DTCs in one procedure. It is generally for most newer vehicles (since 1996).
- “[Read Codes Only](#)” on [page 45](#) — this procedure only reads the DTCs. You use the Review Codes procedure ([page 60](#)) to view codes after reading them with this procedure. (It is generally for older Ford vehicles.)
- “[Read Flash Codes](#)” on [page 46](#) — this procedure displays instructions for how to physically view the flash codes from the check engine lamp and then displays a screen for you to enter the codes numbers into the scan tool to see their descriptions. (It is generally for older Ford vehicles.)

Read Codes (continued)

Read and Display Codes

This Read Codes function let you view a list of active DTCs for the selected ECM, along with their descriptions (this usually applies to newer vehicles.)

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen ([Figure 3.25](#)).

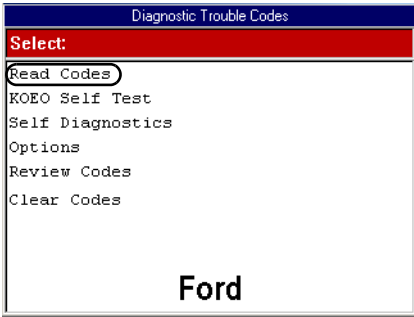


Figure 3.25: Ford Diagnostic Trouble Codes Screen

- 2 Select **Read Codes** and press the **ENTER** key.

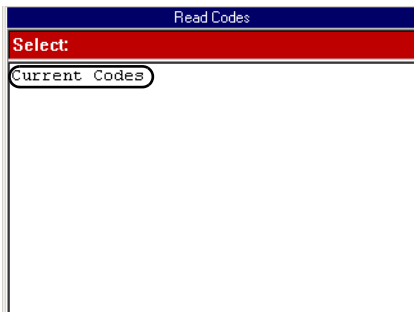


Figure 3.26: Ford Read Codes Screen

- 3 If the Read Codes screen appears, select **Current Codes** and press the **ENTER** key. Otherwise, skip this step.

A message displays and then the DTC list appears on the DTC Information screen ([Figure 3.27](#)).

Read Codes (continued)

Read and Display Codes (continued)

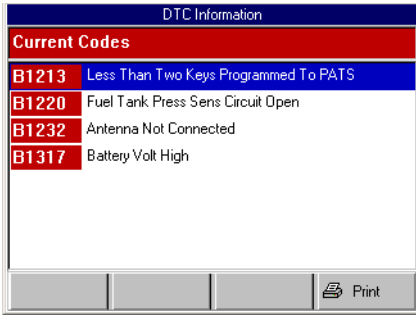


Figure 3.27: Ford DTC Information Screen

- 4 View the DTC list and optionally print it.
- 5 When finished viewing the list, use the **EXIT** key to return to previous screens.

Note: Use the Clear Codes function to erase the codes from a vehicle's ECM. For details, refer to "[Clear Codes](#)" on [page 62](#).

Read Codes (continued)

Read Codes Only

This Read Codes function let you view a list of active DTCs, without descriptions, for the selected ECM.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

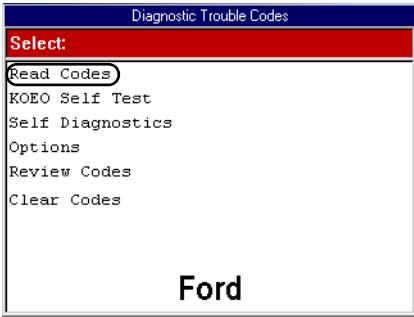


Figure 3.28: Ford Diagnostic Trouble Codes Screen

- 2 Select **Read Codes** and press the **ENTER** key.

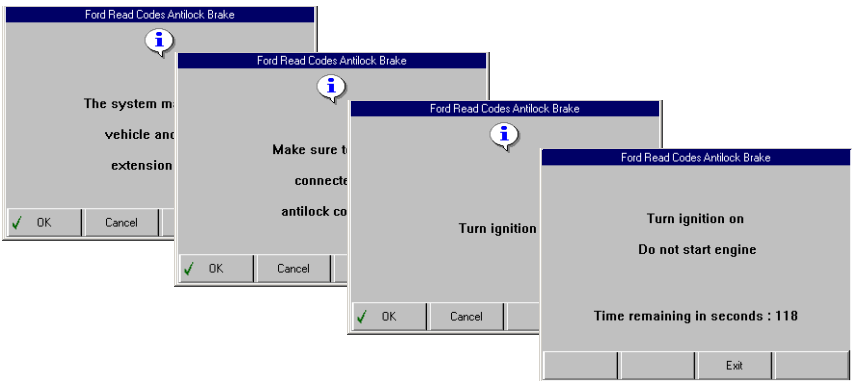


Figure 3.29: Information or Instruction Screens

- 3 Several instruction screens appear. Read the screens and follow all instructions. If necessary, use the **function keys** to answer any questions.

Read Codes (continued)

Read Flash Codes

This Read Codes function provides instructions for how to: 1) physically view the flash codes from the vehicle and 2) enter the code numbers into the scan tool to see their descriptions (this usually applies to older vehicles).

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

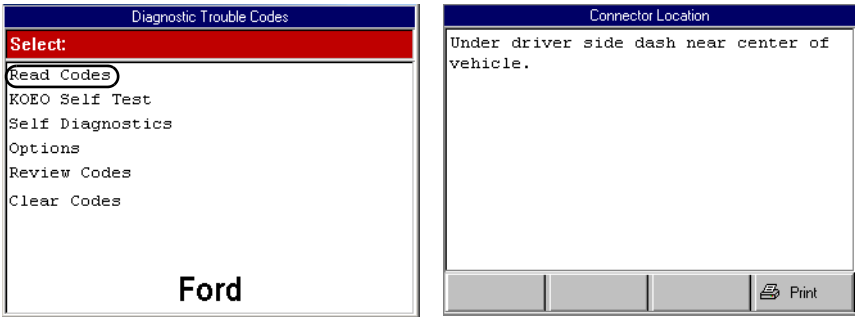


Figure 3.30: Ford Diagnostic Trouble Codes Screen and Connector Location Screen

- 2 Select **Read Codes** and press the **ENTER** key. This displays the Connector Location screen, shown above.

Note: If this screen does not appear, go to step 5.

- 3 View the information and optionally print it.
- 4 Press the **ENTER** key to continue. This displays the retrieval procedure.

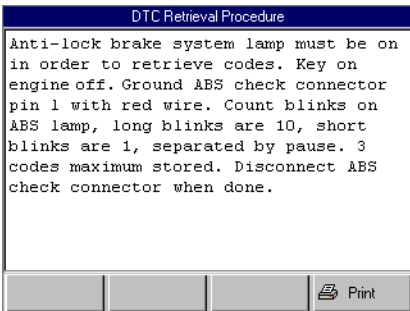


Figure 3.31: DTC Retrieval Procedure Screen

Read Codes (continued)

Read Flash Codes (continued)

- 5 View the retrieval procedure and optionally print it.
- 6 Use the connector location and DTC retrieval procedure to read the flash codes from the vehicle. When you know the codes, press the **ENTER** key. This displays the Possible Codes screen.

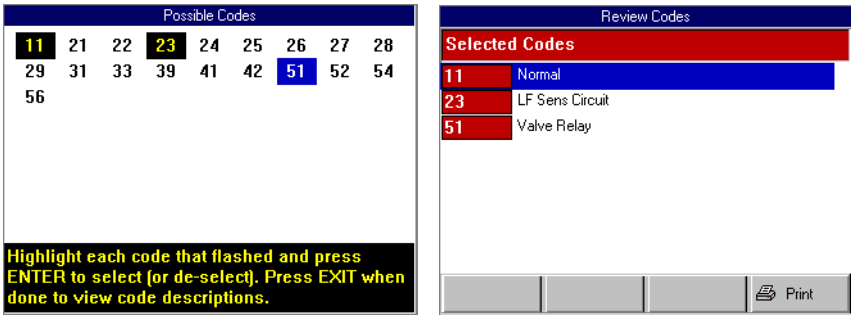


Figure 3.32: Possible Codes Screen and Review Codes Screen

- 7 Use the Possible Codes screen to enter the flash codes as follows:
 - a Use the **Arrow** keys to select (highlight) a code number.
 - b With the number selected, press the **ENTER** key.
 - c **Repeat steps a and b** until all the flash codes are highlighted.
 - d Press the **EXIT** key to display the code descriptions on the Review Codes screen, shown above.
- 8 View the list and optionally print it.
- 9 Press the **EXIT** key to return to the Diagnostic Menu screen.
- 10 To clear the codes, refer to "[Clear Flash Codes Manually](#)" on [page 64](#).

KOEO Self Test

The KOEO Self Test is a key-on, engine-off, DTC-reading function that lets you read MECS slow codes, without descriptions, for the selected ECM.

Note: This test may require special cables and adapters. Refer to "[Appendix A: Accessory Components](#)" on [page 89](#).

- 1 Follow the steps in "[Basic Procedure](#)" on [page 23](#) to display the Diagnostic Trouble Codes screen.

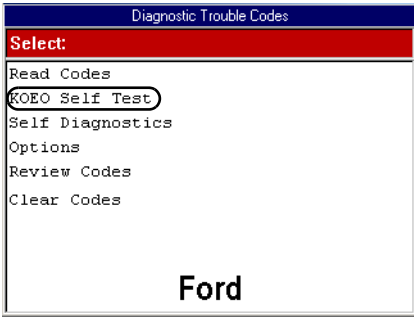


Figure 3.33: Ford Diagnostic Trouble Codes Screen

- 2 Select **KOEO Self Test** and press the **ENTER** key. Several instruction screens appear.

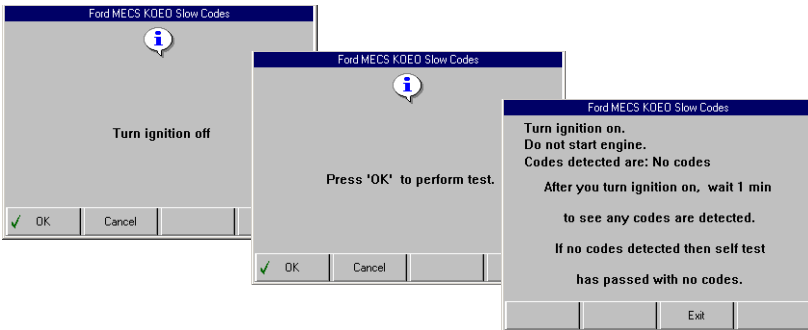


Figure 3.34: Information or Instruction Screens

KOEO Self Test (continued)

- 3 Read the screens and follow all instructions. If necessary, use the **function keys** to answer any questions. Do this until the “Test completed” screen appears.

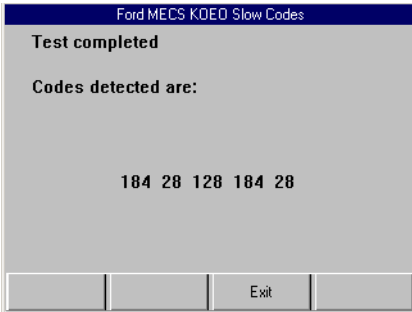


Figure 3.35: Read Codes Test Screen

- 4 Press the **Exit** function key.

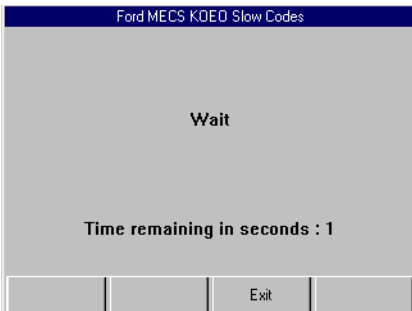


Figure 3.36: Read Codes Instruction Screen

- 5 Wait for the Diagnostic Menu screen to appear.

Note: Use the Review Codes function to view a list of any codes that were read. For details, refer to [“Review Codes”](#) on [page 60](#).

Self-Diagnostics

The Self-Diagnostic function lets you manually activate system tests that check for DTCs. The tests usually include a key-on, engine off (KOEO) test and a key-on, engine-running (KOER) test.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

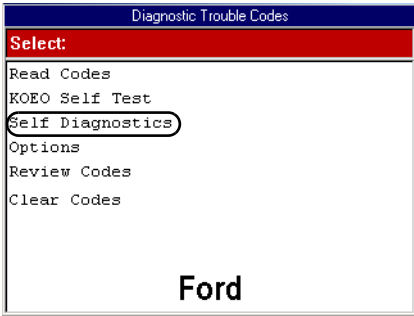


Figure 3.37: Ford Diagnostic Trouble Codes Screen

- 2 Select **Self Diagnostics** and press the **ENTER** key.

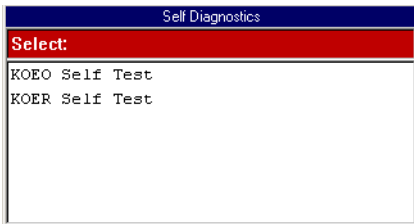


Figure 3.38: Self Diagnostics Screen

- 3 Select **KOEO Self Test** or **KOER Self Test** and press the **ENTER** key. This displays a test instruction screen ([Figure 3.39](#)).

Self-Diagnostics (continued)

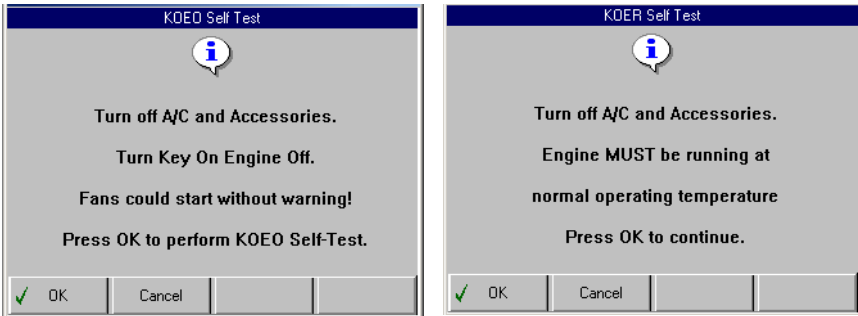


Figure 3.39: KOEO and KOER Self Test Instruction Screens

- 4 Follow the instructions on the screen and press the **OK** function key to start the test.

WARNING:

Maintain adequate clearance around moving components or belts during testing. Moving components and belts can catch loose clothing, body parts, or test equipment and cause serious damage or personal injury.

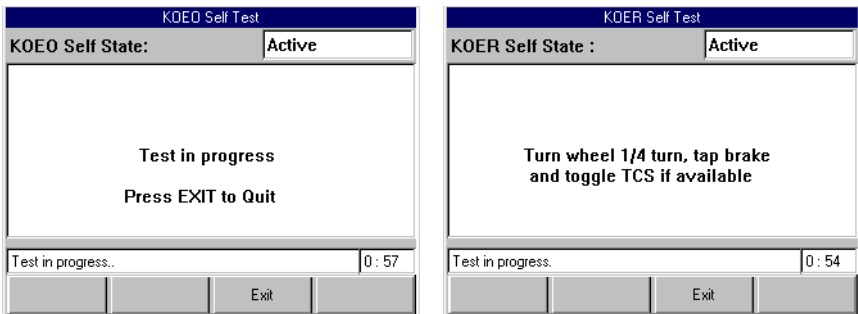


Figure 3.40: KOEO and KOER Self Test Screens

- 5 Wait for the test to start. While the test runs, the State (of the actuators) remains active, any special instructions appear on the screen, and a timer counts down the time remaining for the test.

Self-Diagnostics (continued)

- 6 Follow any instructions that appear on the screen and wait for the test to complete. When the test is complete, the list of DTCs appears on the DTC Information screen.

Note: If the DTC list does not appear after 15 seconds, press the EXIT key and start the test again.

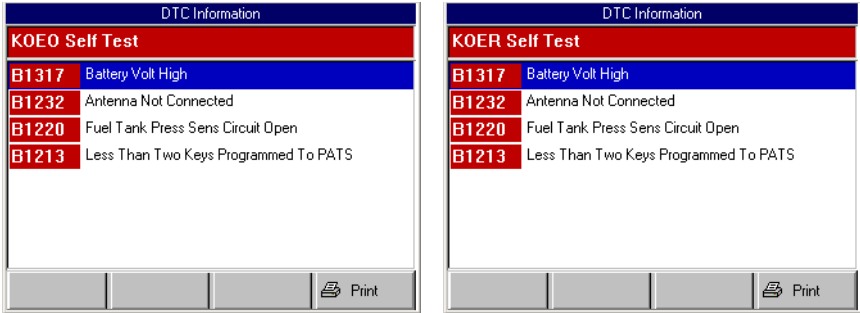


Figure 3.41: KOEO an KOER Self Test — DTC Information Screens

Note: The KOEO DTC list includes previous codes stored in the ECM (Current Codes or Keep Alive Codes) and codes detected at the time of the test (On-Demand Codes or Hard Fault Codes).

- 7 View the DTC list and optionally print it.
- 8 When finished viewing the list, use the EXIT key to return to previous screens.

Note: Use the Review Codes option to view the codes again; refer to "[Review Codes](#)" on [page 60](#). To clear the codes, refer to "[Clear Codes](#)" on [page 62](#).

Options

The Options function lets you test the function of the output relays and lets you do a “wiggle” test to check for intermittent breaks in circuitry. This section includes the following procedures:

- “[Output State](#)” (below)
- “[Idle Air Adjust](#)” on [page 56](#)
- “[Wiggle Test](#)” on [page 57](#)

Output State

The Output State test does a KOEO self test (see [page 48](#)) and then lets you test the state of the output relays by pressing and releasing the vehicle's accelerator pedal.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

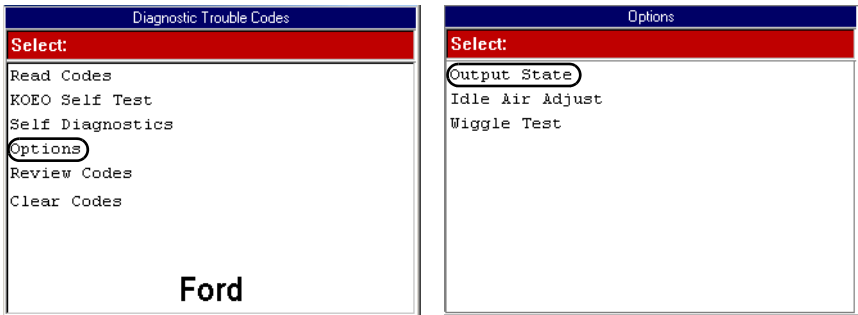


Figure 3.42: Ford Diagnostic Trouble Codes Screen and Options Screen

- 2 Select **Options** and press the **ENTER** key. This displays the Options screen, shown above.
- 3 Select **Output State** and press the **ENTER** key. This displays an instruction screen.

Options (continued)

Output State (continued)

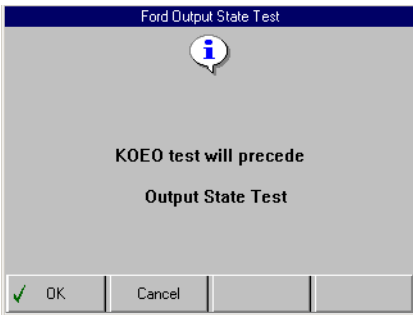


Figure 3.43: Output State Test Instruction Screen

- 4 Press the **OK** function key to start the KOEO Self Test. Several instruction screens appear.

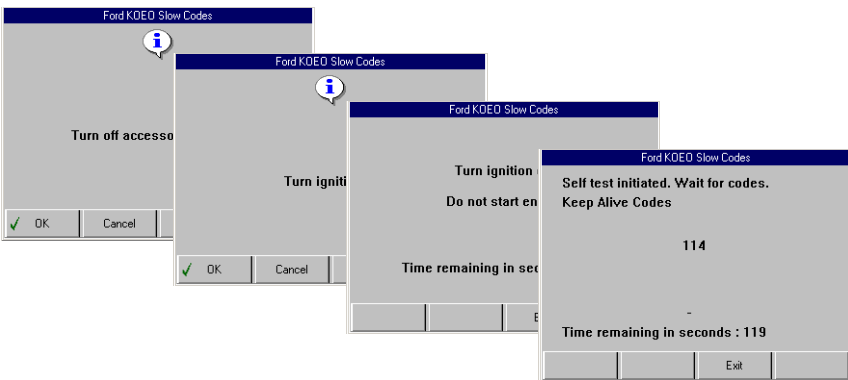


Figure 3.44: KOEO Self Test Instruction Screens

- 5 Read the screens and follow all instructions. If necessary, use the **function** keys to answer any questions. Do this until the "Test completed" screen appears.

Options (continued)

Output State (continued)

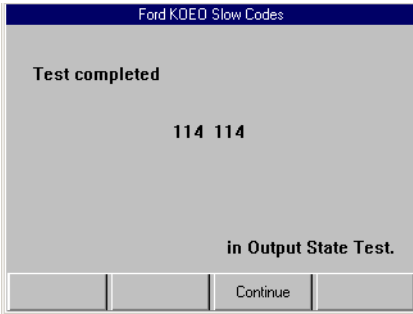


Figure 3.45: KOEO Self Test Completed Screen

- 6 Note any DTCs listed and press the **Continue** function key. This displays another instruction screen and then displays the Output Test State screen.

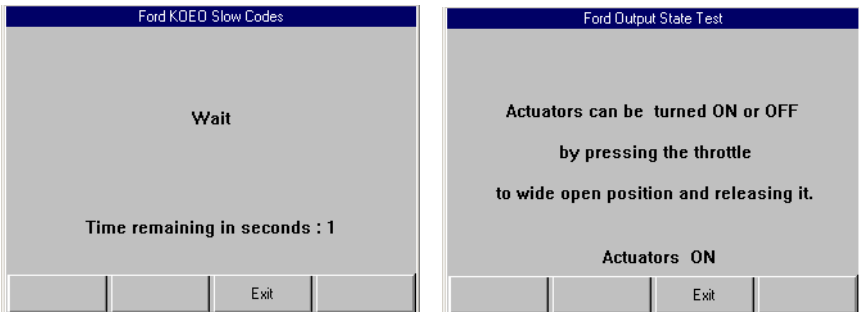


Figure 3.46: KOEO Self Test (Slow Codes) Instruction Screen and Output State Test Screen

- 7 Follow the instructions on the test screen. Compare the actual throttle position to the Actuators state shown on the screen.

Note: This test may automatically exit after 10 minutes.

- 8 When finished, press the **Exit** function key to complete the test.
- 9 Use the **EXIT** key to return to previous screens.

Note: Use the Review Codes option to view the codes again; refer to "[Review Codes](#)" on [page 60](#). To clear the codes, refer to "[Clear Codes](#)" on [page 62](#).

Options (continued)

Idle Air Adjust

The Idle Air Adjust function checks the status of the base idle RPM.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

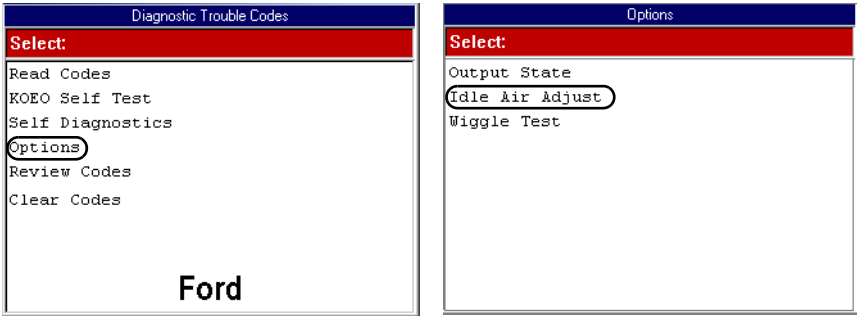


Figure 3.47: Ford Diagnostic Trouble Codes Screen and Options Screen

- 2 Select **Options** and press the **ENTER** key. This displays the Options screen, shown above.
- 3 Select **Idle Air Adjust** and press the **ENTER** key.

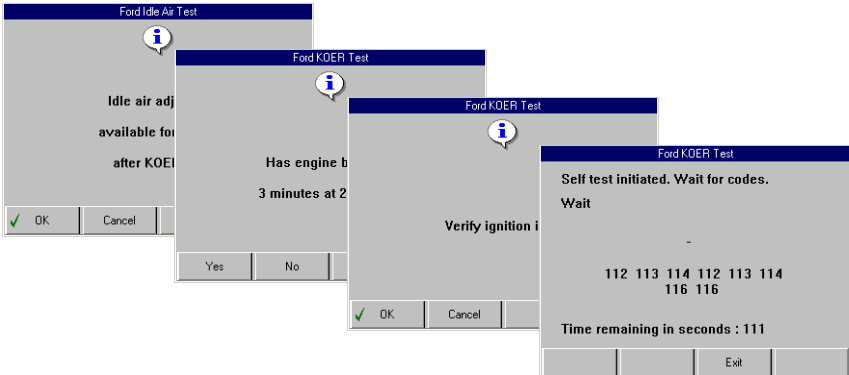


Figure 3.48: Idle Air Test Instruction Screens (KOER Test)

- 4 Several instruction screens appear. Read the screens and follow all instructions. If necessary, use the **function keys** to answer any questions.

Note: Use the Review Codes option to view the codes again; refer to [“Review Codes”](#) on [page 60](#). To clear the codes, refer to [“Clear Codes”](#) on [page 62](#).

Options (continued)

Wiggle Test

The Wiggle Test function lets you check for intermittent breaks in connections and for open or short circuits by manually wiggling vehicle wires.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

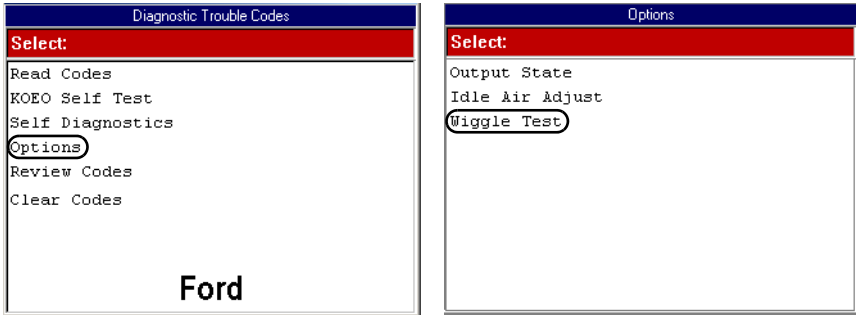


Figure 3.49: Ford Diagnostic Trouble Codes Screen and Options Screen

- 2 Select **Options** and press the **ENTER** key. This displays the Options screen, shown above.
- 3 Select **Wiggle Test** and press the **ENTER** key.

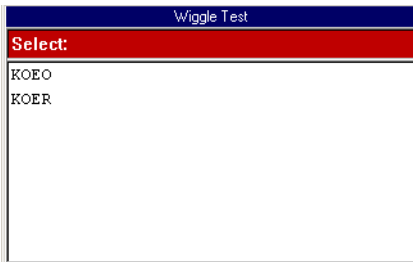


Figure 3.50: Wiggle Test Select Screen

- 4 Select either **KOEO** or **KOER** to do the test with the key on and the engine either off (KOEO) or running (KOER).
- 5 If you select KOER, start the vehicle's engine.
- 6 Press the **ENTER** key. This displays an instruction screen ([Figure 3.51](#) on [page 58](#)).

Options (continued)

Wiggle Test (continued)

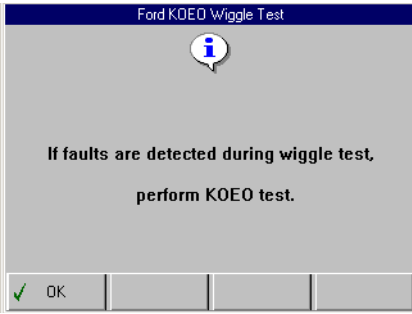


Figure 3.51: Wiggle Test Instruction Screen

- 7 Press the **OK** function key to continue. Several instruction screens appear.

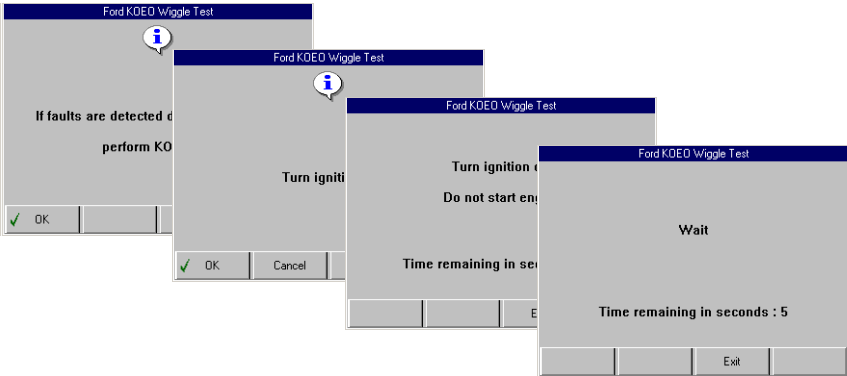


Figure 3.52: Wiggle Test Instruction Screens

- 8 Read the screens and follow all instructions. If necessary, use the **function keys** to answer any questions. Do this until the test screen appears ([Figure 3.53](#) on [page 59](#)).

Options (continued)

Wiggle Test (continued)

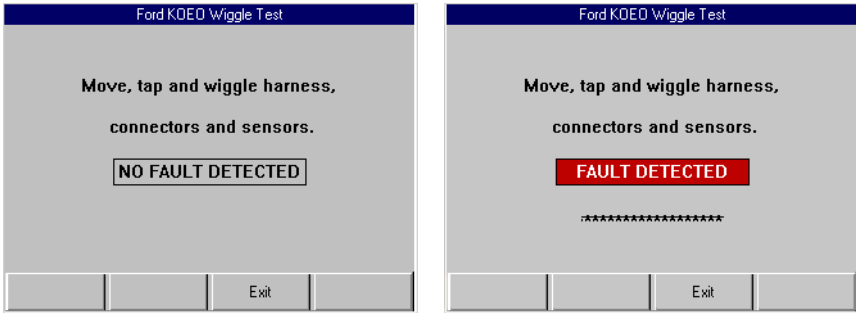


Figure 3.53: Wiggle Test Screens — No Fault and Fault Detected

- 9 With the test screen displayed, manually wiggle the vehicle wires and connections or drive the vehicle to recreate a suspected intermittent failure condition. If a fault is detected, the message "FAULT DETECTED" appears on the screen, as shown above.



WARNING:

Maintain adequate clearance around moving components or belts during testing. Moving components and belts can catch loose clothing, body parts, or test equipment and cause serious damage or personal injury.

- 10 When finished, press the **Exit** function key to complete the test.
- 11 Use the **EXIT** key to return to previous screens.

Note: When finished, do a KOEO test (see "[Self-Diagnostics](#)" on [page 50](#)).

Review Codes

The Review Codes function lets you view DTCs read from the selected ECM. This function displays DTCs only after you have used a function that reads codes, such as Read Codes, KOEO Self-Test, Self-Diagnostics, Output State Test, and Wiggle Test.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 23](#) to display the Diagnostic Trouble Codes screen.

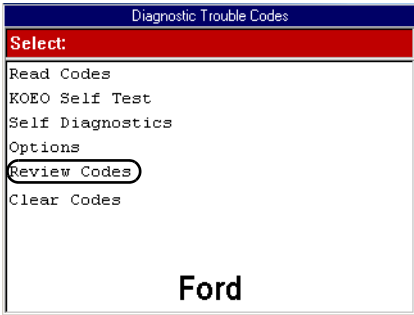


Figure 3.54: Ford Diagnostic Trouble Codes Screen

- 2 Select **Review Codes** and press the **ENTER** key.



Figure 3.55: Review Codes Select Screen

Review Codes (continued)

- 3 If the Review Codes Select screen appears ([Figure 3.55](#) on [page 60](#)), select one of the following options, and then press the **ENTER** key to display the codes. (Otherwise, skip this step.)
 - **KOEO on Demand** — displays DTCs detected at the time of a KOEO test (also called hard fault codes).
 - **KOEO Keep Alive** — displays DTCs stored in the ECM before a KOEO test (also called current codes).
 - **KOER** — displays codes from a KOER test.

Note: If there are no codes to display, a message screen states that the code library is empty. Press the OK function key to continue.

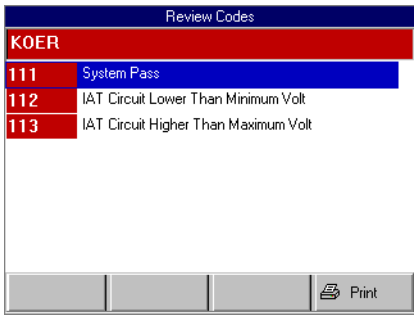


Figure 3.56: Review Codes Screen

- 4 View the list and optionally print it.
- 5 Use the **EXIT** key to return to previous screens.

Note: After reviewing the codes, if necessary, clear the codes. Use any instructions that were provided when reading the codes and refer to "[Clear Codes](#)" on [page 62](#). If necessary, consult the manufacturer's service manual for the correct "clear code" method.

Clear Codes

The Clear Codes option lets you clear DTC codes from the selected ECM. This section includes two separate Clear Codes procedures as follows:

- “[Clear Codes with Scan Tool](#)” (below)
- “[Clear Flash Codes Manually](#)” on [page 64](#)

Note: If Clear Codes is not an available menu option, consult the manufacturer’s service manual for the correct “clear code” method.

Clear Codes with Scan Tool

For some vehicles, this Clear Codes function clears the DTCs from the selected ECM or provides instructions for how to clear the codes from the ECM.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 23](#) to display the Diagnostic Trouble Codes screen.

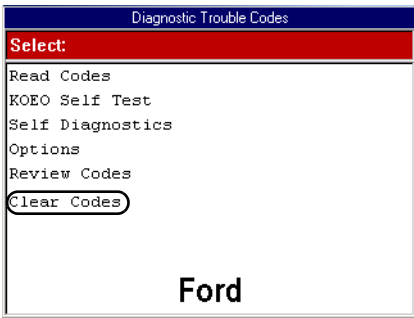


Figure 3.57: Ford Diagnostic Trouble Codes Screen

- 2 Select **Clear Codes** and press the **ENTER** key. This displays either an instruction screen or a warning screen ([Figure 3.58](#) on [page 63](#)).

Clear Codes (continued)

Clear Codes with Scan Tool (continued)

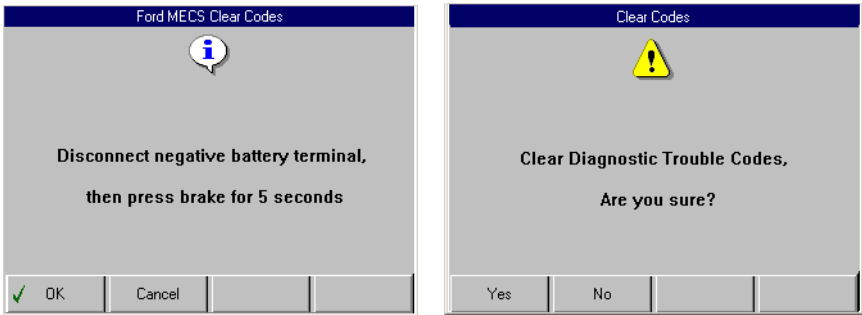


Figure 3.58: Ford Clear Codes Instruction Screen and Warning Screen

- 3 Press the appropriate **function key**.
- 4 One or more additional instruction screens may appear. If so, follow the instructions on each screen. Press the **function keys** as necessary until the DTCs have been cleared.
Note: *If a screen has instructions but no function keys, press the ENTER key to continue.*
- 5 When finished, use the **EXIT** key to return to previous screens.

Clear Codes (continued)

Clear Flash Codes Manually

For some vehicles, this Clear Codes function displays instructions for how to manually clear flash codes from the selected ECM.

Note: If necessary, consult the manufacturer's service manual for the correct "clear code" method.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 23](#) to display the Diagnostic Trouble Codes screen.

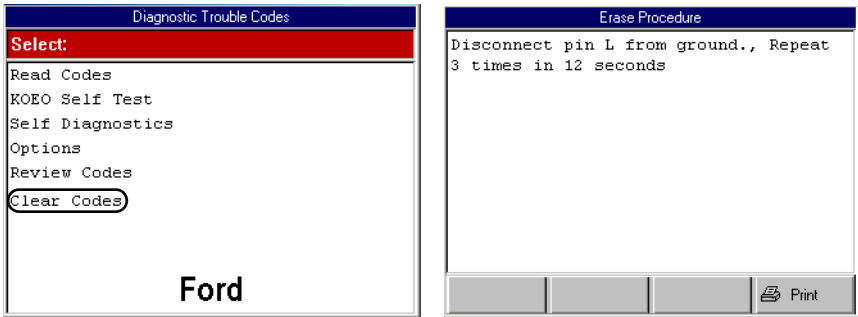


Figure 3.59: Ford Diagnostic Trouble Codes Screen and Erase Procedure Screen

- 2 Select **Clear Codes** and press the **ENTER** key. This displays instructions for manually clearing the codes, as shown above.
- 3 View the instructions and optionally print them.
- 4 Use the **EXIT** key to return to previous screens.
- 5 Use the erase procedure to manually clear the flash codes from the vehicle.

Data / Sensor Information

The Data Info function displays a list of the vehicle's engine sensors and switches that are available for the selected electronic control module (ECM). With the list displayed, you can individually select each item and view information about it, such as a description, a current reading from the vehicle (if the vehicle is connected), and information about typical values for the sensor or switch.

Note: You can use this procedure to access the Data / Sensor Information function or you can access it with the More function key on the live Datastream screen. For the Datastream procedures, refer to [“Data Info”](#) on [page 14](#).

- 1 Follow the instructions in *“Test Startup and Vehicle Connection”* in the **Quick Start Guide** to display the Diagnostic Menu screen.

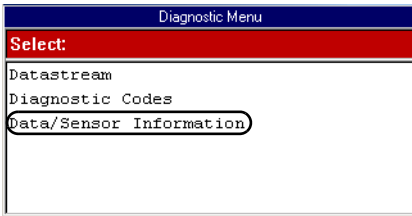


Figure 4.1: Diagnostic Menu Screen

- 2 Select **Data / Sensor Information** and press the **ENTER** key.

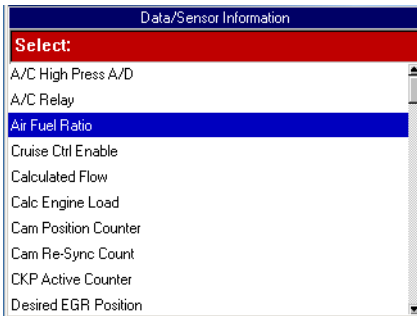


Figure 4.2: Data / Sensor Information Screen

- 3 Select an item and press the **ENTER** key.

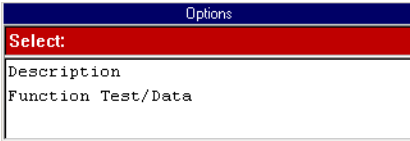


Figure 4.3: Options Screen

4 Select an option as follows:

- Select **Description** to view a description of the selected sensor or switch.
- Select **Function Test / Data** to view the typical value or other information about the selected sensor or switch.

Note: The scan tool and vehicle do not have to be connected to view the description or typical values for a sensor or switch. The vehicle does have to be connected to view actual readings.

This displays either the Description screen or the Function Test / Data screen.

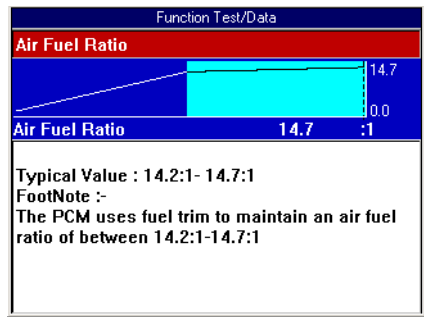
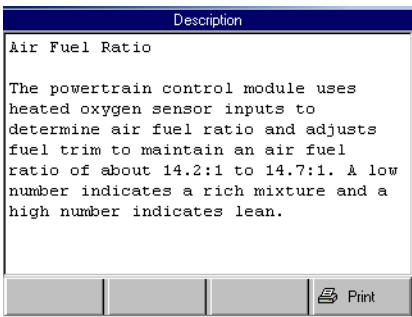


Figure 4.4: Description Screen and Function Test / Data Screen

- 5 View the information (and optionally print the description).
- 6 Use the **EXIT** key to return to previous screens.

Diagnostic States (GM)

For some older GM vehicle engine ECMs, the Diagnostic States function lets you place a vehicle in special test modes (states). The Road Mode is normally used for diagnostic testing and three additional modes are available to check codes, serve as a backup fuel setting, or function as a service setting as follows:

- **Road Mode** — should be used whenever possible to diagnose driveability problems. This mode does not include a preset test idle speed or additional advance.
- **Field Service Mode** — grounds the vehicle diagnostic link and triggers the check engine indicator light to flash. From the number and speed of the flashes, you can determine DTCs and the current state of the Oxygen (O2) sensor.
- **Back-Up Fuel Mode** (also called limp-in mode) — keeps a disabled vehicle running until it can be repaired. This mode supplies injector pulses to the fuel injectors and sets base timing if the Programmable Read Only Memory (PROM) chip fails. Vehicle service manuals refer to this mode as “3.9 K Ohm State” or “Factory Test State.” (You cannot view sensor or switch data in this mode.)
- **ALCL Mode** — automatically sets a test idle speed and additional ignition advance if Road Test data is unavailable or unreliable. Vehicle service manuals refer to this mode as “10 K Ohm State” or “Special State.”

- 1 Follow the instructions in “*Test Startup and Vehicle Connection*” in the **Quick Start Guide** to display the Diagnostic Menu screen.

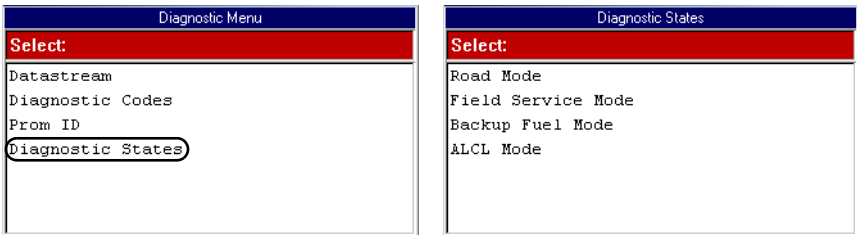


Figure 5.1: Diagnostic Menu Screen and Diagnostic States Screen

- 2 Select **Diagnostic States** and press the **ENTER** key to display the Diagnostic States screen, as shown above.
- 3 Select a **Mode** and press the **ENTER** key.

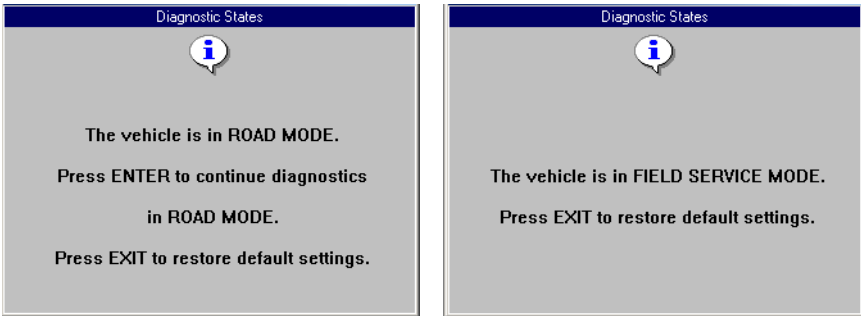


Figure 5.2: Diagnostic States Screens (Road Mode and Field Service Mode)

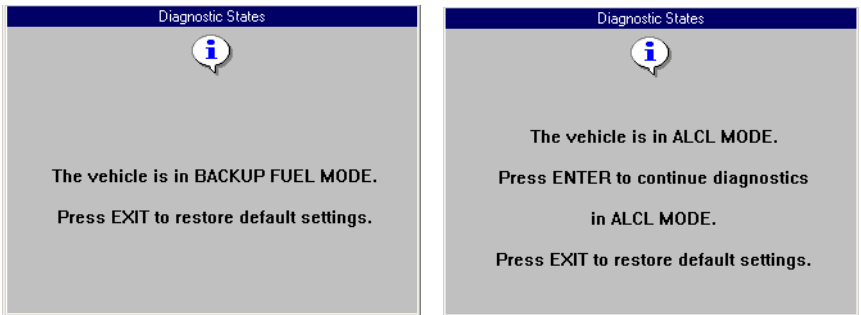


Figure 5.3: Diagnostic States Screens (Backup Fuel Mode and ALCL Mode)

- 4 Press the **ENTER** key to set the mode.
- 5 Perform the necessary diagnostic tests.
- 6 If you select Field Service Mode, do the following to read the DTCs and the Oxygen (O₂) sensor state:
 - To read **DTCs**, turn the vehicle key on (engine off) and consult the vehicle service manual to interpret the light flashes.
 - To read the **oxygen (O₂) sensor state**, start the engine and count how many times the check engine light flashes per second (one or two) and notice if the light is on longer than it is off, or vice versa. Interpret the flashes as follows: one flash per second indicates closed loop and two flashes per second indicates open loop; light on longer than off indicates rich running engine; light off longer than on indicates lean running engine; light on and off equal times indicates ideal running engine (14.7 to 1 air/fuel ratio).

PROM ID (GM)

For some GM vehicles, the Programmable Read-Only Memory Identification (PROM ID) function displays the PROM ID number and any additional PROM related information that is stored in the selected electronic control module (ECM).

- 1 Follow the instructions in "Test Startup and Vehicle Connection" in the **Quick Start Guide** to display the Diagnostic Menu screen.

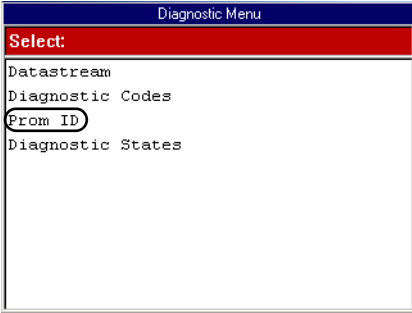


Figure 6.1: Diagnostic Menu Screen

- 2 Select **Prom ID** and press the **ENTER** key.

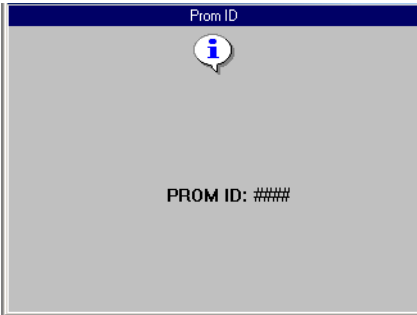


Figure 6.2: Prom ID Screen

- 3 View the information.
- 4 Use the **EXIT** key to return to previous screens.

Special Tests (OBD II)

For OBD II compliant vehicles, the Special Tests functions let you view detailed system component information, oxygen (O2) sensor readings, Readiness Test results, and the vehicle identification number (VIN).

Note: The scan tool has an automatic DTC-Triggered Recording function. If a diagnostic trouble code (fault) occurs while you are testing a vehicle, the scan tool automatically creates a recording for playback and alerts you with a screen message. To replay these recordings, refer to “[Playback](#)” on [page 78](#).

Basic Procedure

- 1 Follow the instructions in “[Test Startup and Vehicle Connection](#)” in the **Quick Start Guide** to display the Diagnostic Menu screen.

Note: You must select *Global OBD II* for testing.

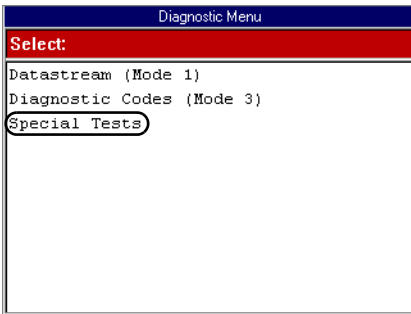


Figure 7.1: Diagnostic Menu Screen

- 2 Select **Special Tests** and press the **ENTER** key. This displays the Special Tests Menu screen ([Figure 7.2](#)).

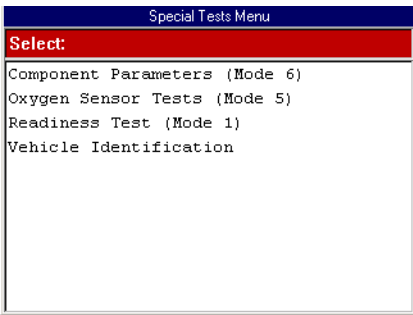


Figure 7.2: Special Tests Menu Screen

- 3 **Select an option** and press the **ENTER** key to continue.
- 4 Refer to the following sections:
 - “[Component Parameters](#)” on [page 72](#)
 - “[Oxygen Sensor Tests](#)” on [page 74](#)
 - “[Readiness Test](#)” on [page 76](#)
 - “[Vehicle Identification](#)” on [page 77](#)

Component Parameters

The Component Parameters function lets you view detailed information about components that are not continuously monitored, such as a catalyst or evaporative system.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 70](#) to display the Special Tests Menu screen.

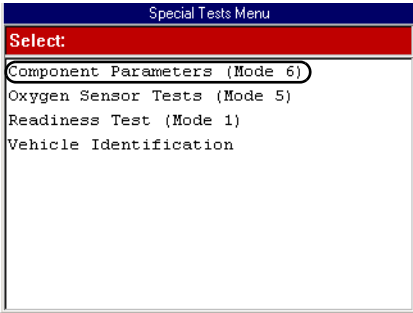


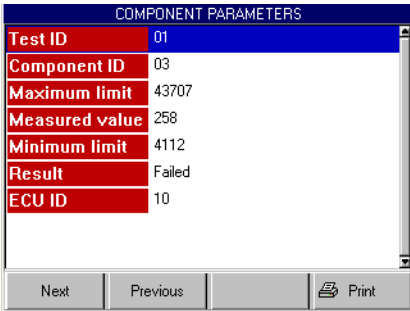
Figure 7.3: Special Tests Menu Screen

- 2 Select **Component Parameters** and press the **ENTER** key.



Figure 7.4: Component Parameters Instruction Screen

- 3 Press the **OK** function key.



The screenshot shows a window titled "COMPONENT PARAMETERS". The window contains a table with the following data:

Parameter	Value
Test ID	01
Component ID	03
Maximum limit	43707
Measured value	258
Minimum limit	4112
Result	Failed
ECU ID	10

At the bottom of the window, there are three buttons: "Next", "Previous", and "Print".

Figure 7.5: Component Parameters Screen

- 4 View the information for the component. Use the function keys as follows:
 - Press the **Next** function key to display information for the next component.
 - Press the **Previous** function key to display information for the previous component.
 - Use the **Print** function key to optionally print the information.
- 5 When finished, use the **EXIT** key to return to previous screens.

Oxygen Sensor Tests

The Oxygen Sensor Tests function lets you view data readings for the oxygen (O2) sensor.

IMPORTANT: Warm the engine to operating temperature before doing this test.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 70](#) to display the Special Tests Menu screen.

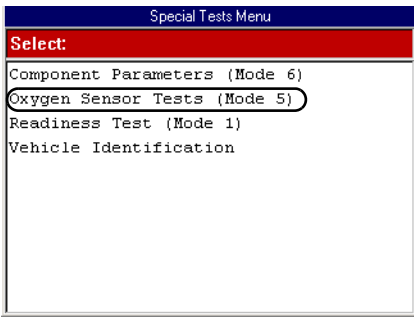


Figure 7.6: Special Tests Menu Screen

- 2 Select **Oxygen Sensor Tests** and press the **ENTER** key.

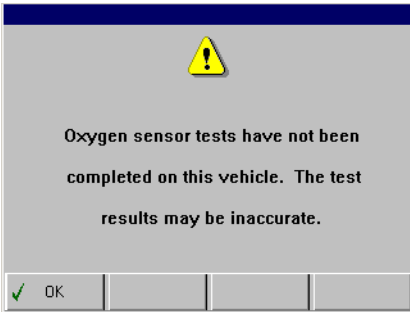


Figure 7.7: Oxygen Sensor Tests Warning Screen

- 3 If the “Oxygen sensor tests not completed” warning message appears, press the **OK** function key to continue. Otherwise, skip this step.

Note: If the system tests are not complete, use the **EXIT** key to return to the *Required Cables* illustration screen. Then, drive the vehicle around for a few minutes and then start this test again. For more information, refer to [“Readiness Test”](#) on [page 76](#).

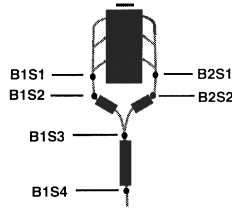
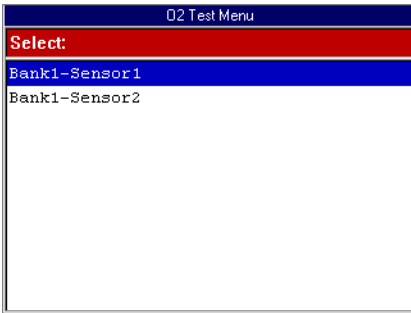


Figure 7.8: O2 Test Menu Screen and O2 Sensor Locations

Note: The O2 Test Menu screen lists all the bank and sensor combinations available for the vehicle.

- 4 Select a **Bank and Sensor** and press the **ENTER** key. This displays the data readings for the selected sensor.

Bank1 - Sensor1		
Rich - Lean thres volt	1.275	Volts
Lean - Rich thres volt	1.275	Volts
Low volt switch time	1.275	Volts
High volt switch time	1.275	Volts
Rich - Lean switch time	1.020	Secs
Lean - Rich switch time	1.020	Secs
Min volt test cycle	1.275	Volts
Max volt test cycle	1.275	Volts
Time b/w transitions	10.200	Secs

Frame: 1

Bank1 - Sensor1		
Rich - Lean thres volt	1.275	Volts
Lean - Rich thres volt	1.275	Volts
Low volt switch time	1.275	Volts
High volt switch time	1.275	Volts
Rich - Lean switch time	1.020	Secs
Lean - Rich switch time	1.020	Secs
Min volt test cycle	1.275	Volts
Max volt test cycle	1.275	Volts
Time b/w transitions	10.200	Secs

Frame: 1

Figure 7.9: Sensor Data Display - Original Display and With One Graphed Line

- 5 View the sensor data. Optionally, view each line as a graph as follows:
 - a **Select a line** and press the **ENTER** key.
 - b Use the **Left Arrow** key and then the **Right Arrow** key to view past data.
 - c To remove the graph, **select the graphed line** and press the **ENTER** key.
- 6 When finished viewing the data, use the **EXIT** key to return to previous screens.

Readiness Test

The Readiness Test function lets you view Readiness Test results for all non-continuous and continuous vehicle system monitors as described below.

- Non-continuous vehicle system monitors run a test routine once per drive cycle.
- Continuous vehicle system monitors run a test routine continuously during a drive cycle.

IMPORTANT: Warm the engine to operating temperature before doing this test.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 70](#) to display the Special Tests Menu screen.

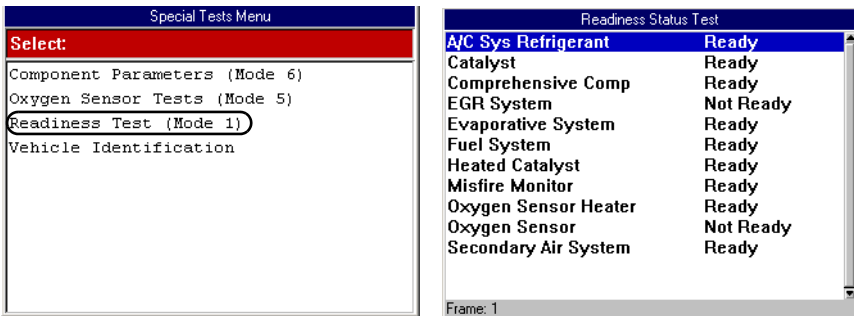


Figure 7.10: Special Tests Menu Screen and Readiness Status Test Screen

- 2 Select **Readiness Test** and press the **ENTER** key. This displays the Readiness Status Test screen, shown above.
- 3 Test results display as Ready (complete), Not Ready (not complete), or Failed. View the test results.

Note: If any tests are not ready, use the **EXIT** key to return to the Required Cables illustration screen. Then, drive the vehicle around for a few minutes and then start this test again.

- 4 Use the **EXIT** key to return to previous screens.

Vehicle Identification

The Vehicle Identification function lets you view the vehicle identification number (VIN) for the vehicle.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 70](#) to display the Special Tests Menu screen.

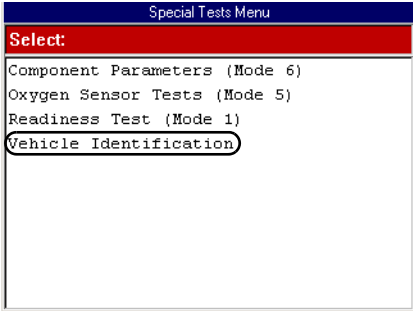


Figure 7.11: Special Tests Menu Screen

- 2 Select **Vehicle Identification** and press the **ENTER** key. This displays the Vehicle Identification screen.



Figure 7.12: Vehicle Identification Screen

- 3 View the VIN and press the **OK** function key when finished.
- 4 Use the **EXIT** key to return to previous screens.

Playback

The Playback function lets you view data recorded with the Datastream Record function (see [page 9](#)) and the DTC-Triggered Recording function (see [page 22](#)). It also lets you save and delete recorded files.

Note: You can also upload and view recorded data files on a PC. For details, refer to “ScanMate PC Software” in the **Quick Start Guide**.

- 1 Make sure the scan tool has power.

Note: The scan tool does not have to be connected to a vehicle.

- 2 Press the **On / Off** button to turn the scan tool on; wait for the Application Manager screen to appear.

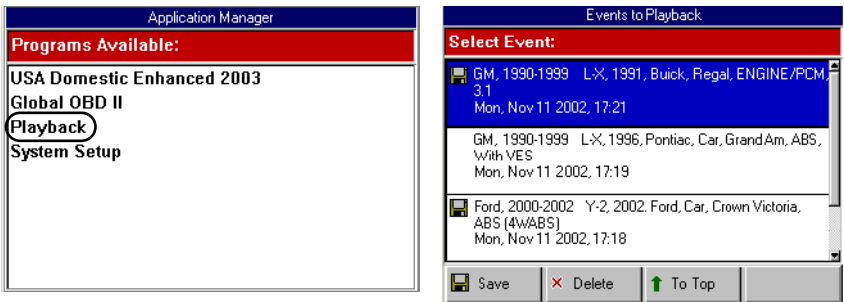


Figure 8.1: Application Manager Screen and Events to Playback Screen

- 3 Select **Playback** and then press the **ENTER** key. This displays the Events to Playback screen, as shown above.
- 4 Notice the following about the Events to Playback screen:
 - The list holds up to five (5) recorded Event files. When the list is full, old recordings automatically delete as you make new recordings. To prevent a recording from being automatically deleted, **select the recording** and press the **Save** function key. This places a disk icon to the left of the file name and saves the recording until you delete it.
 - To delete a recording, **select the line** and press the **Delete** function key.
 - To move a recording to the top of the list, **select the line** and press the **To Top** function key.
- 5 From the Events to Playback screen, **select the recorded event** to view and press the **ENTER** key. (The events are identified by the vehicle description, date, and time of the recording.) This displays the recorded event in the Playback screen ([Figure 8.2](#) on [page 79](#)).

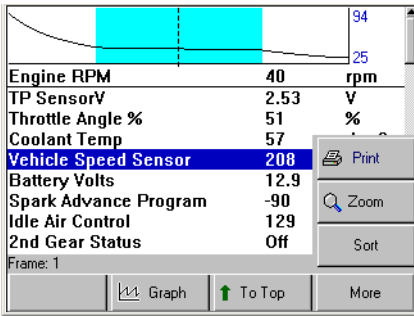


Figure 8.2: Playback Screen

- 6 Use the **Arrow** keys to view the data. When you use the **Left** and **Right Arrow** keys, the Frame number in the status line changes as you move through the recording.
- 7 Optionally, use the function keys as follows:
 - To display a line as a graph, **select the line** and press the **Graph** function key. The name of the key changes to Digital. To remove the graph, **select the line again** and press the **Digital** function key. For details, refer to “[Graph / Disable \(Digital\)](#)” on [page 11](#).
 - To move a line to the top of the screen, **select the line** and press the **To Top** function key. Refer to “[To Top](#)” on [page 12](#).
 - To print the data, press the **More** function key and select the **Print** option. For details, refer to “[Print](#)” on [page 16](#).
 - To magnify the view of a line, **select the line**, press the **More** function key, and select the **Zoom** option. For details, refer to “[Zoom](#)” on [page 17](#).
 - To sort the data lines, press the **More** function key and select the **Sort** option. For details, refer to “[Sort](#)” on [page 18](#).
- 8 When finished, use the **EXIT** key to return to previous screens.

System Setup

The System Setup functions let you view information about the scan tool and adjust default settings for the scan tool.

Basic Procedure

Use the following steps to access the System Setup functions.

- 1 Make sure the scan tool has power.
- 2 Press the **On / Off** button to turn the scan tool on; wait for the Application Manager screen to appear.

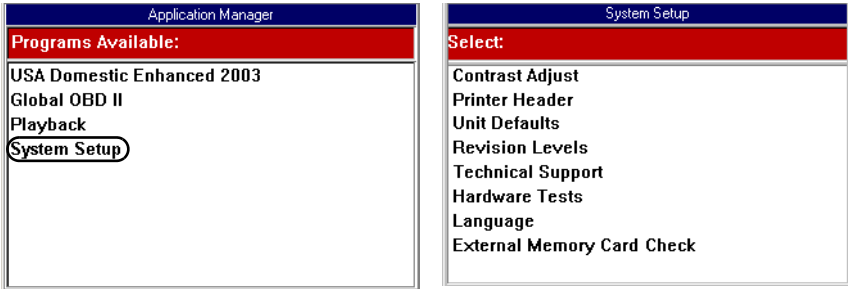


Figure 9.1: Application Manager Screen and System Setup Screen

- 3 Select **System Setup** and press the **ENTER** key. This displays the System Setup screen, as shown above.
- 4 **Select the item** to adjust and then press the **ENTER** key.
- 5 Refer to the following sections:
 - “[Contrast Adjust](#)” on [page 81](#)
 - “[Printer Header](#)” on [page 82](#)
 - “[Unit Defaults](#)” on [page 83](#)
 - “[Revision Levels](#)” on [page 84](#)
 - “[Technical Support](#)” on [page 85](#)
 - “[Hardware Tests](#)” on [page 86](#)
 - “[Language](#)” on [page 87](#)
 - “[External Memory Card Check](#)” on [page 88](#)

Contrast Adjust

The Contrast Adjust function lets you adjust the contrast of the LCD screen.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 80](#) to display the System Setup screen.

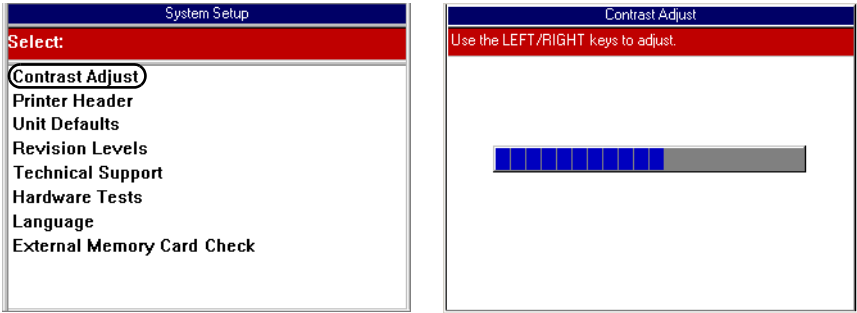


Figure 9.2: System Setup Screen and Contrast Adjust Screen

- 2 Select **Contrast Adjust** and press the **ENTER** key.
- 3 Use the **Left** and **Right Arrow** keys to adjust the contrast.
- 4 Use the **EXIT** key to return to previous screens.

Printer Header

The Print Header function lets you set up a heading for reports that you print from the scan tool.

Note: You can turn the Print Header function on and off with the Unit Defaults settings. Refer to “[Unit Defaults](#)” on [page 83](#).

- 1 Follow the steps in “[Basic Procedure](#)” on [page 80](#) to display the System Setup screen.

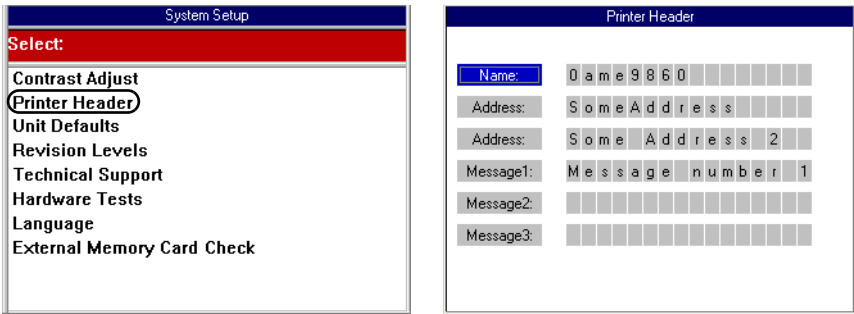


Figure 9.3: System Setup Screen and Printer Header Screen

- 2 Select **Print Header** and press the **ENTER** key.
- 3 Use the **Up** and **Down Arrow** keys to select Name, Address, or Message.
- 4 Press the **Right Arrow** key once to move to the first edit box.
- 5 Use the **Up** and **Down Arrow** keys to select a character for the box.
Note: To remove a character and leave a box blank, select the character that is blank (it is between 0 and A).
- 6 Press the **Right Arrow** key to select the next box.
Note: Pressing the **Left Arrow** key selects the previous box.
- 7 Repeat steps 5 and 6 until the line is entered as you want it.
- 8 Repeatedly press either the **Left** or **Right Arrow** key to return to the Name, Address, or Message box.
- 9 Repeat steps 3 through 8 until all the information is entered.
- 10 Use the **EXIT** key to return to previous screens.

Unit Defaults

The Unit Defaults function lets you set the date, time, units-of-measure, and automatic shut down time. It also lets you turn the audible beep and print header functions on or off.

- 1 Follow the steps in [“Basic Procedure”](#) on [page 80](#) to display the System Setup screen.

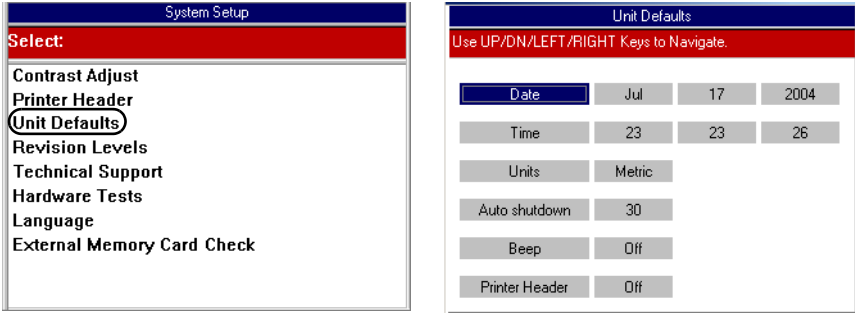


Figure 9.4: System Setup Screen and Unit Defaults Screen

- 2 Select **Unit Defaults** and press the **ENTER** key.
- 3 Use the **Up** and **Down Arrow** keys to select the item to set from the far left column:
 - **Date** — sets the date in the scan tool as month, date, and year.
 - **Time** — sets the time in the scan tool as hours, minutes, and seconds (24 hour clock).
 - **Units** — sets the units-of-measure as English or Metric.
 - **Auto Shutdown** — sets the amount of time the scan tool stays on before shutting off automatically (only when using internal battery power). This is the amount of time since the last key press. The setting can be made for between 5 and 60 minutes, in 5 minute increments.
 - **Beep** — turns the audible beep on or off.
 - **Print Header**— turns the print header function on or off. Refer to [“Printer Header”](#) on [page 82](#).
- 4 Press the **Right Arrow** key once to move to the edit box.
- 5 Use the **Up** or **Down Arrow** key to select an option for the box.
- 6 For Date and Time, repeat steps 4 and 5 to enter the entire date or time.
- 7 Use the **Left Arrow** key to return to the far left column.
- 8 Repeat steps 3 through 7 until all the settings are made.
- 9 Use the **EXIT** key to return to previous screens.

Revision Levels

The Revision Levels function displays software version numbers (for use when calling technical support).

- 1 Follow the steps in “[Basic Procedure](#)” on [page 80](#) to display the System Setup screen.

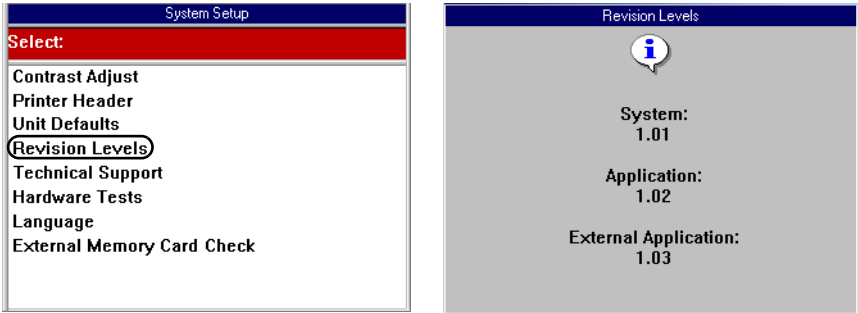


Figure 9.5: System Setup Screen and Revision Levels Screen

- 2 Select **Revision Levels** and press the **ENTER** key.
- 3 View the information.
- 4 Use the **EXIT** key to return to previous screens.

Technical Support

The Technical Support function displays technical support information.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 80](#) to display the System Setup screen.

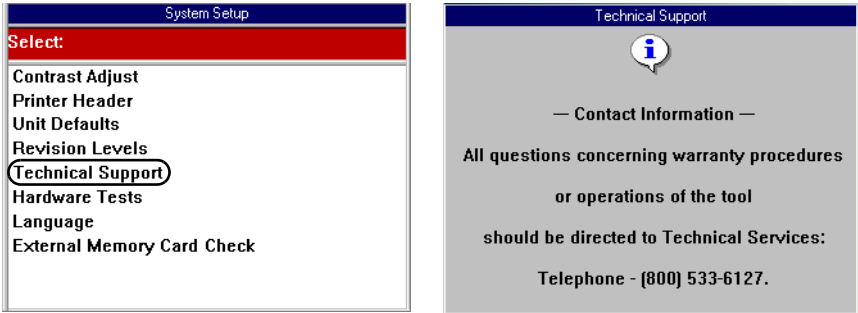


Figure 9.6: System Setup Screen and Technical Support Screen

- 2 Select **Technical Support** and press the **ENTER** key.
- 3 View the information.
- 4 Use the **EXIT** key to return to previous screens.

Hardware Tests

The Hardware Tests function lets you test the LCD screen, keypad keys, and beeper. It also lets you view the time clock and the serial number for the scan tool.

- 1 Follow the steps in "[Basic Procedure](#)" on [page 80](#) to display the System Setup screen.

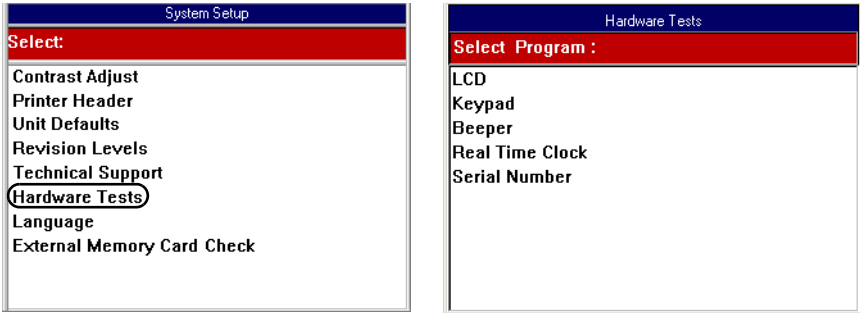


Figure 9.7: System Setup Screen and Hardware Tests Screen

- 2 Select **Hardware Tests** and press the **ENTER** key.
- 3 **Select an option** and press the **ENTER** key.
- 4 Follow the instructions on the screen that appears.

Note: If you select *Keypad*, a screen appears with the message "To test the Backlight key, just observe the backlight itself." To display the next screen, press the **ENTER** key.

- 5 When finished with the tests, use the **EXIT** key to return to previous screens.

Language

The Language function lets you set the default language for the scan tool software.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 80](#) to display the System Setup screen.

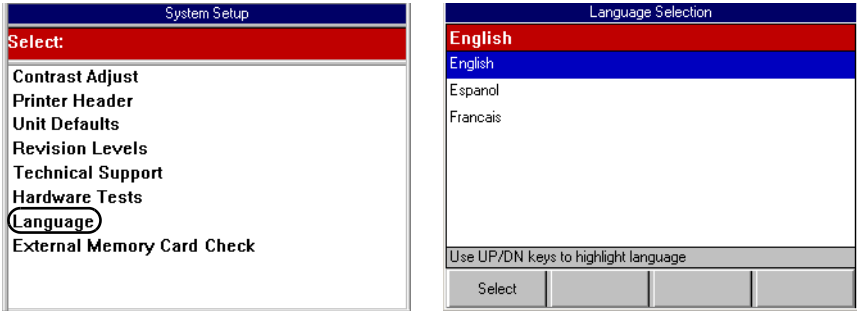


Figure 9.8: System Setup Screen and Language Selection Screen

- 2 Select **Language** and press the **ENTER** key.
- 3 Use the **Up** and **Down Arrows** keys to select the language.
- 4 Press the **Select** function key.
- 5 Use the **EXIT** key to return to previous screens.

External Memory Card Check

The External Memory Card Check function lets you test the file system on a compact flash card in the compact flash port.

- 1 Follow the steps in “[Basic Procedure](#)” on [page 80](#) to display the System Setup screen.

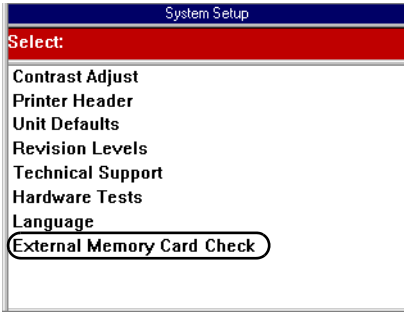


Figure 9.9: System Setup Screen

- 2 Select **External Memory Card Check** and press the **ENTER** key.
- 3 Follow any on-screen instructions that appears.
- 4 Use the **EXIT** key to return to previous screens.

Appendix A: Accessory Components

Several accessory components are available for use with the scan tool. For details, contact your retail or mobile distributor.

Power Adapters

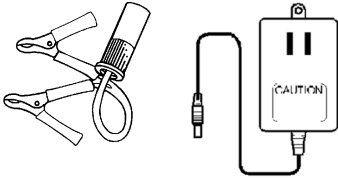


Figure 10.1: Vehicle Battery Adapter (212638) — fits over cigarette lighter power adapter, Vac to Vdc Power Adapter (3421-04) — replaces cigarette lighter power adapter

Cables

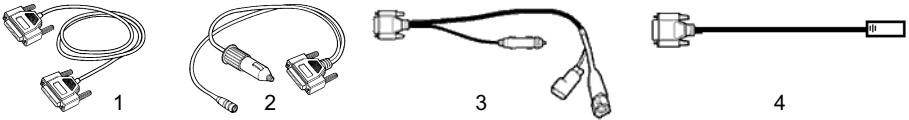


Figure 10.2: 1) Extension Cable (3305-71) - fits between scan tool and DLC cable, 2) DB25 Power Cable (3305-72) - required for some OBD I vehicles, adapters required (see below), 3) Ford ABS Cable (3305-27), and 4) Chrysler III Cable (3305-65)

Cable Adapters

When using the DB25 Power Cable (#2 above), the following cable adapters may be required (the adapters connect between the cable and the vehicle):

- **213596:** Ford MECS adapter for 1988 to 1995 Mazda Engine Control Systems (Aspire, Capri, Escort, Festiva, Probe, and Tracer).
- **3305-14:** Ford MET adapter for 1991 to 1995 Mazda manufactured vehicles.
- **3305-20:** Mitsubishi / Hyundai adapter for Chrysler imports, such as Summit and Colt.
- **3305-74:** Universal “C” Adapter for miscellaneous applications.

When using the Chrysler III Cable (#4 above), the following cable adapter may be required:

- **3305-92:** Chrysler Y Adapter for 1995 Avenger, Sebring, and Talon.

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Chrysler	300M	AIRBAG	2000	2003
Chrysler	Chrysler	300M	TRANSMISSION	1999	2003
Chrysler	Chrysler	300M	ABS	1999	2003
Chrysler	Chrysler	300M	ENGINE	1999	2003
Chrysler	Chrysler	300M	ENGINE-OBDDII	1999	2003
Chrysler	Chrysler	Cirrus	ENGINE	1995	2000
Chrysler	Chrysler	Cirrus	ABS	1998	2000
Chrysler	Chrysler	Cirrus	ENGINE-OBDDII	1995	2000
Chrysler	Chrysler	Cirrus	AIRBAG	1999	2000
Chrysler	Chrysler	Cirrus	TRANSMISSION	1995	2000
Chrysler	Chrysler	Concorde	ENGINE	1993	2003
Chrysler	Chrysler	Concorde	AIRBAG	2000	2003
Chrysler	Chrysler	Concorde	ENGINE-OBDDII	1996	2003
Chrysler	Chrysler	Concorde	ABS	1993	2003
Chrysler	Chrysler	Concorde	ABS (w/TCS)	1993	1997
Chrysler	Chrysler	Concorde	TRANSMISSION	1993	2003
Chrysler	Chrysler	Dynasty	ENGINE	1989	1993
Chrysler	Chrysler	Dynasty	TRANSMISSION	1992	1993
Chrysler	Chrysler	Imperial	TRANSMISSION	1992	1993
Chrysler	Chrysler	Imperial	ENGINE	1990	1993
Chrysler	Chrysler	Incomplete Veh	TRANSMISSION	1992	1994
Chrysler	Chrysler	Incomplete Veh	ENGINE	1990	1994
Chrysler	Chrysler	Intrepid	ABS	1995	1997
Chrysler	Chrysler	Intrepid	ENGINE-OBDDII	1996	1997
Chrysler	Chrysler	Intrepid	TRANSMISSION	1995	1997
Chrysler	Chrysler	Intrepid	ABS (w/TCS)	1995	1997
Chrysler	Chrysler	Intrepid	ENGINE	1995	1997
Chrysler	Chrysler	Lebaron	ENGINE	1988	1995
Chrysler	Chrysler	Lebaron	TRANSMISSION	1992	1995
Chrysler	Chrysler	LHS	ABS	1994	2001
Chrysler	Chrysler	LHS	AIRBAG	2000	2001
Chrysler	Chrysler	LHS	ABS (w/TCS)	1994	1997
Chrysler	Chrysler	LHS	ENGINE	1994	2001
Chrysler	Chrysler	LHS	ENGINE-OBDDII	1996	2001
Chrysler	Chrysler	LHS	TRANSMISSION	1994	2001
Chrysler	Chrysler	Mini-Van	ENGINE	1990	1994
Chrysler	Chrysler	Mini-Van	TRANSMISSION	1994	1994
Chrysler	Chrysler	Neon (Mexico)	ENGINE	1995	1997
Chrysler	Chrysler	Neon (Mexico)	ENGINE-OBDDII	1995	1997
Chrysler	Chrysler	New Yorker	ABS (w/TCS)	1994	1997
Chrysler	Chrysler	New Yorker	ENGINE-OBDDII	1996	1997
Chrysler	Chrysler	New Yorker	TRANSMISSION	1992	1997
Chrysler	Chrysler	New Yorker	ENGINE	1988	1997
Chrysler	Chrysler	New Yorker	ABS	1994	1997
Chrysler	Chrysler	PT Cruiser	TRANSMISSION	2001	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Chrysler	PT Cruiser	ABS	2001	2003
Chrysler	Chrysler	PT Cruiser	AIRBAG	2001	2003
Chrysler	Chrysler	PT Cruiser	ENGINE	2001	2003
Chrysler	Chrysler	PT Cruiser	ENGINE-OBDII	2001	2003
Chrysler	Chrysler	Sebring	TRANSMISSION	1995	1995
Chrysler	Chrysler	Sebring	ENGINE	1995	1995
Chrysler	Chrysler	Sebring	ENGINE-OBDII	1995	1995
Chrysler	Chrysler	Sebring Conv.	ENGINE	1996	2003
Chrysler	Chrysler	Sebring Conv.	ENGINE-OBDII	1996	2003
Chrysler	Chrysler	Sebring Conv.	ABS	1998	2003
Chrysler	Chrysler	Sebring Conv.	TRANSMISSION	1996	2003
Chrysler	Chrysler	Sebring Conv.	AIRBAG	1999	2003
Chrysler	Chrysler	Sebring Coupe	ENGINE-OBDII	1996	2003
Chrysler	Chrysler	Sebring Coupe	ENGINE	1996	2000
Chrysler	Chrysler	Sebring Coupe	TRANSMISSION	1996	2000
Chrysler	Chrysler	Sebring Sedan	ABS	2001	2003
Chrysler	Chrysler	Sebring Sedan	ENGINE-OBDII	2001	2003
Chrysler	Chrysler	Sebring Sedan	AIRBAG	2001	2003
Chrysler	Chrysler	Sebring Sedan	ENGINE	2001	2003
Chrysler	Chrysler	Sebring Sedan	TRANSMISSION	2001	2003
Chrysler	Chrysler	Spirit (Mex)	ENGINE	1995	1995
Chrysler	Chrysler	Town & Country	AIRBAG	1998	2003
Chrysler	Chrysler	Town & Country	ENGINE	1990	2003
Chrysler	Chrysler	Town & Country	ABS	1997	2003
Chrysler	Chrysler	Town & Country	ENGINE-OBDII	1996	2003
Chrysler	Chrysler	Town & Country	TRANSMISSION	1992	2003
Chrysler	Chrysler	Voyager	ENGINE-OBDII	2001	2003
Chrysler	Chrysler	Voyager	TRANSMISSION	2001	2003
Chrysler	Chrysler	Voyager	ABS	2001	2003
Chrysler	Chrysler	Voyager	AIRBAG	2001	2003
Chrysler	Chrysler	Voyager	ENGINE	2001	2003
Chrysler	Dodge	600	ENGINE	1988	1988
Chrysler	Dodge	Aries	ENGINE	1988	1989
Chrysler	Dodge	Avenger	ENGINE	1995	2000
Chrysler	Dodge	Avenger	ENGINE-OBDII	1995	2000
Chrysler	Dodge	Avenger	TRANSMISSION	1995	2000
Chrysler	Dodge	B-150	ABS (4WAL)	1993	1994
Chrysler	Dodge	B-150	ENGINE	1988	1994
Chrysler	Dodge	B-250	ABS (4WAL)	1993	1994
Chrysler	Dodge	B-250	ENGINE	1988	1994
Chrysler	Dodge	B-350	ABS (4WAL)	1993	1994
Chrysler	Dodge	B-350	ENGINE	1988	1994
Chrysler	Dodge	Caravan	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Caravan	TRANSMISSION	1992	2003
Chrysler	Dodge	Caravan	AIRBAG	1998	2003
Chrysler	Dodge	Caravan	ENGINE	1988	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Dodge	Caravan	ABS	1997	2003
Chrysler	Dodge	Colt	TRANSMISSION	1992	1994
Chrysler	Dodge	Colt	ENGINE	1992	1994
Chrysler	Dodge	Colt	ENGINE-OBDII	1996	1996
Chrysler	Dodge	D-50 4X2	ENGINE	1992	1992
Chrysler	Dodge	D-50 4X4	ENGINE	1992	1992
Chrysler	Dodge	Dakota 4X2	ABS (4WAL)	1993	2003
Chrysler	Dodge	Dakota 4X2	ABS (RWAL)	2001	2003
Chrysler	Dodge	Dakota 4X2	AIRBAG	1999	2002
Chrysler	Dodge	Dakota 4X2	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Dakota 4X2	TRANSFER CASE	2001	2001
Chrysler	Dodge	Dakota 4X2	TRANSMISSION	1996	2003
Chrysler	Dodge	Dakota 4X2	ENGINE	1988	2003
Chrysler	Dodge	Dakota 4X4	AIRBAG	1999	2002
Chrysler	Dodge	Dakota 4X4	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Dakota 4X4	TRANSMISSION	1996	2003
Chrysler	Dodge	Dakota 4X4	TRANSFER CASE	2001	2003
Chrysler	Dodge	Dakota 4X4	ABS (4WAL)	1993	2003
Chrysler	Dodge	Dakota 4X4	ABS (RWAL)	2001	2003
Chrysler	Dodge	Dakota 4X4	ENGINE	1988	2003
Chrysler	Dodge	Daytona	TRANSMISSION	1992	1993
Chrysler	Dodge	Daytona	ENGINE	1988	1993
Chrysler	Dodge	Durango 4X2	ENGINE LATE (NGC)	2002	2002
Chrysler	Dodge	Durango 4X2	ABS (4WAL)	1998	2003
Chrysler	Dodge	Durango 4X2	TRANSMISSION	1998	2003
Chrysler	Dodge	Durango 4X2	ABS (RWAL)	2001	2003
Chrysler	Dodge	Durango 4X2	AIRBAG	1998	2003
Chrysler	Dodge	Durango 4X2	ENGINE-OBDII	1998	2003
Chrysler	Dodge	Durango 4X2	ENGINE	1998	2003
Chrysler	Dodge	Durango 4X2	ENGINE EARLY	2002	2002
Chrysler	Dodge	Durango 4X2	TRANSFER CASE	2001	2001
Chrysler	Dodge	Durango 4X4	ENGINE	1998	2003
Chrysler	Dodge	Durango 4X4	ENGINE LATE (NGC)	2002	2002
Chrysler	Dodge	Durango 4X4	ABS (RWAL)	2001	2003
Chrysler	Dodge	Durango 4X4	TRANSFER CASE	2001	2003
Chrysler	Dodge	Durango 4X4	ABS (4WAL)	1998	2003
Chrysler	Dodge	Durango 4X4	AIRBAG	1998	2003
Chrysler	Dodge	Durango 4X4	ENGINE EARLY	2002	2002
Chrysler	Dodge	Durango 4X4	ENGINE-OBDII	1998	2003
Chrysler	Dodge	Durango 4X4	TRANSMISSION	1998	2003
Chrysler	Dodge	Dynasty	ENGINE	1988	1993
Chrysler	Dodge	Dynasty	TRANSMISSION	1992	1993
Chrysler	Dodge	Grand Caravan	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Grand Caravan	TRANSMISSION	1992	2003
Chrysler	Dodge	Grand Caravan	ENGINE	1988	2003
Chrysler	Dodge	Grand Caravan	ABS	1997	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Dodge	Grand Caravan	AIRBAG	1998	2003
Chrysler	Dodge	Incomplete Veh	TRANSMISSION	1992	1994
Chrysler	Dodge	Incomplete Veh	ENGINE	1988	1994
Chrysler	Dodge	Intrepid	AIRBAG	2000	2003
Chrysler	Dodge	Intrepid	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Intrepid	ENGINE	1993	2003
Chrysler	Dodge	Intrepid	ABS	1993	2003
Chrysler	Dodge	Intrepid	TRANSMISSION	1993	2003
Chrysler	Dodge	Intrepid	ABS (w/TCS)	1993	1997
Chrysler	Dodge	Lancer	ENGINE	1988	1989
Chrysler	Dodge	Mini-Van	TRANSMISSION	1992	1994
Chrysler	Dodge	Mini-Van	ENGINE	1988	1994
Chrysler	Dodge	Monaco	ENGINE	1991	1992
Chrysler	Dodge	Neon	ENGINE-OBDII	1995	2003
Chrysler	Dodge	Neon	TRANSMISSION	2001	2003
Chrysler	Dodge	Neon	ABS	1999	2003
Chrysler	Dodge	Neon	AIRBAG	1999	2003
Chrysler	Dodge	Neon	ENGINE	1995	2003
Chrysler	Dodge	Omni	ENGINE	1988	1990
Chrysler	Dodge	Power Ram 100	ENGINE	1988	1989
Chrysler	Dodge	Power Ram 150	ENGINE	1988	1993
Chrysler	Dodge	Power Ram 250	ENGINE	1988	1993
Chrysler	Dodge	Power Ram 350	ENGINE	1988	1993
Chrysler	Dodge	Ram 100 4X2	ENGINE	1988	1989
Chrysler	Dodge	Ram 150	ENGINE	1988	1992
Chrysler	Dodge	Ram 150 4X2	ENGINE	1988	1993
Chrysler	Dodge	Ram 1500 4X2	ABS (4WAL)	1994	2003
Chrysler	Dodge	Ram 1500 4X2	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram 1500 4X2	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Ram 1500 4X2	ENGINE	1994	2003
Chrysler	Dodge	Ram 1500 4X2	AIRBAG	1999	2003
Chrysler	Dodge	Ram 1500 4X2	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram 1500 4X4	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram 1500 4X4	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Ram 1500 4X4	TRANSFER CASE	2002	2003
Chrysler	Dodge	Ram 1500 4X4	ABS (4WAL)	1994	2003
Chrysler	Dodge	Ram 1500 4X4	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram 1500 4X4	AIRBAG	1999	2003
Chrysler	Dodge	Ram 1500 4X4	ENGINE	1994	2003
Chrysler	Dodge	Ram 250	ENGINE	1988	1992
Chrysler	Dodge	Ram 250 4X2	ENGINE	1988	1993
Chrysler	Dodge	Ram 2500 4X2	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Ram 2500 4X2	ENGINE	1994	2003
Chrysler	Dodge	Ram 2500 4X2	ENGINE CUMMINS	1998	2003
Chrysler	Dodge	Ram 2500 4X2	ENGINE JTEC	1998	2002
Chrysler	Dodge	Ram 2500 4X2	TRANSMISSION	1996	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Dodge	Ram 2500 4X2	ABS (4WAL)	1994	2003
Chrysler	Dodge	Ram 2500 4X2	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram 2500 4X2	AIRBAG	1999	2003
Chrysler	Dodge	Ram 2500 4X4	ABS (4WAL)	1994	2003
Chrysler	Dodge	Ram 2500 4X4	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram 2500 4X4	ENGINE CUMMINS	1998	2003
Chrysler	Dodge	Ram 2500 4X4	ENGINE JTEC	1998	2002
Chrysler	Dodge	Ram 2500 4X4	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram 2500 4X4	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Ram 2500 4X4	TRANSFER CASE	2003	2003
Chrysler	Dodge	Ram 2500 4X4	AIRBAG	1999	2003
Chrysler	Dodge	Ram 2500 4X4	ENGINE	1994	2003
Chrysler	Dodge	Ram 350	ENGINE	1988	1992
Chrysler	Dodge	Ram 350 4X2	ENGINE	1988	1993
Chrysler	Dodge	Ram 3500 4X2	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram 3500 4X2	AIRBAG	1999	2003
Chrysler	Dodge	Ram 3500 4X2	ENGINE JTEC	1998	2002
Chrysler	Dodge	Ram 3500 4X2	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Ram 3500 4X2	ENGINE	1994	2003
Chrysler	Dodge	Ram 3500 4X2	ABS (4WAL)	1994	2003
Chrysler	Dodge	Ram 3500 4X2	ENGINE CUMMINS	1998	2003
Chrysler	Dodge	Ram 3500 4X2	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram 3500 4X4	ENGINE CUMMINS	1998	2003
Chrysler	Dodge	Ram 3500 4X4	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Ram 3500 4X4	TRANSFER CASE	2003	2003
Chrysler	Dodge	Ram 3500 4X4	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram 3500 4X4	ENGINE	1994	2003
Chrysler	Dodge	Ram 3500 4X4	ABS (4WAL)	1994	2003
Chrysler	Dodge	Ram 3500 4X4	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram 3500 4X4	AIRBAG	1999	2003
Chrysler	Dodge	Ram 3500 4X4	ENGINE JTEC	1998	2002
Chrysler	Dodge	Ram B-250	ENGINE	1995	1995
Chrysler	Dodge	Ram B-250	ABS (4WAL)	1995	1995
Chrysler	Dodge	Ram B-350	ENGINE	1995	1995
Chrysler	Dodge	Ram B-350	ABS (4WAL)	1995	1995
Chrysler	Dodge	Ram Mini-Van	ENGINE	1988	1989
Chrysler	Dodge	Ram Van 1500	ABS (4WAL)	1995	2003
Chrysler	Dodge	Ram Van 1500	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram Van 1500	AIRBAG	1999	2003
Chrysler	Dodge	Ram Van 1500	ENGINE	1995	2003
Chrysler	Dodge	Ram Van 1500	ENGINE-OBDII	1996	2003
Chrysler	Dodge	Ram Van 1500	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram Van 2500	ABS (4WAL)	1995	2003
Chrysler	Dodge	Ram Van 2500	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram Van 2500	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram Van 2500	ENGINE-OBDII	1996	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Dodge	Ram Van 2500	AIRBAG	1999	2003
Chrysler	Dodge	Ram Van 2500	ENGINE	1995	2003
Chrysler	Dodge	Ram Van 3500	AIRBAG	1999	2003
Chrysler	Dodge	Ram Van 3500	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram Van 3500	ENGINE	1995	2003
Chrysler	Dodge	Ram Van 3500	ABS (4WAL)	1995	2003
Chrysler	Dodge	Ram Van 3500	ENGINE-OBDDII	1996	2003
Chrysler	Dodge	Ram Van 3500	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram Wagon 1500	ENGINE	1995	2003
Chrysler	Dodge	Ram Wagon 1500	ENGINE-OBDDII	1996	2003
Chrysler	Dodge	Ram Wagon 1500	ABS (4WAL)	1995	2003
Chrysler	Dodge	Ram Wagon 1500	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram Wagon 1500	AIRBAG	1999	2003
Chrysler	Dodge	Ram Wagon 1500	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram Wagon 2500	AIRBAG	1999	2003
Chrysler	Dodge	Ram Wagon 2500	ABS (4WAL)	1995	2003
Chrysler	Dodge	Ram Wagon 2500	ENGINE-OBDDII	1996	2003
Chrysler	Dodge	Ram Wagon 2500	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram Wagon 2500	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram Wagon 2500	ENGINE	1995	2003
Chrysler	Dodge	Ram Wagon 3500	ENGINE	1995	2003
Chrysler	Dodge	Ram Wagon 3500	ABS (4WAL)	1995	2003
Chrysler	Dodge	Ram Wagon 3500	ABS (RWAL)	2001	2003
Chrysler	Dodge	Ram Wagon 3500	ENGINE-OBDDII	1996	2003
Chrysler	Dodge	Ram Wagon 3500	TRANSMISSION	1996	2003
Chrysler	Dodge	Ram Wagon 3500	AIRBAG	1999	2003
Chrysler	Dodge	Ramcharger 4X2	ENGINE	1988	1993
Chrysler	Dodge	Ramcharger 4X4	ENGINE	1988	1993
Chrysler	Dodge	Shadow	TRANSMISSION	1993	1994
Chrysler	Dodge	Shadow	ENGINE	1988	1994
Chrysler	Dodge	Spirit	TRANSMISSION	1992	1995
Chrysler	Dodge	Spirit	ENGINE	1989	1995
Chrysler	Dodge	SRT-4	AIRBAG	2003	2003
Chrysler	Dodge	SRT-4	ENGINE	2003	2003
Chrysler	Dodge	SRT-4	ABS	2003	2003
Chrysler	Dodge	SRT-4	ENGINE-OBDDII	2003	2003
Chrysler	Dodge	Stealth	ENGINE	1992	1993
Chrysler	Dodge	Stealth	ENGINE-OBDDII	1996	1996
Chrysler	Dodge	Stealth	TRANSMISSION	1992	1993
Chrysler	Dodge	Stratus	ENGINE	1995	2000
Chrysler	Dodge	Stratus	AIRBAG	1999	2000
Chrysler	Dodge	Stratus	ENGINE-OBDDII	1995	2000
Chrysler	Dodge	Stratus	ABS	1998	2000
Chrysler	Dodge	Stratus	TRANSMISSION	1995	2000
Chrysler	Dodge	Stratus Coupe	ENGINE-OBDDII	2001	2003
Chrysler	Dodge	Stratus Sedan	ENGINE	2001	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Dodge	Stratus Sedan	ENGINE-OBDDII	2001	2003
Chrysler	Dodge	Stratus Sedan	ABS	2001	2003
Chrysler	Dodge	Stratus Sedan	TRANSMISSION	2001	2003
Chrysler	Dodge	Stratus Sedan	AIRBAG	2001	2003
Chrysler	Dodge	Viper	ABS	2001	2003
Chrysler	Dodge	Viper	ENGINE	1993	2002
Chrysler	Dodge	Viper	AIRBAG	1999	2003
Chrysler	Dodge	Viper	ENGINE-OBDDII	1996	2003
Chrysler	Dodge	Viper	TRANSMISSION	2000	2000
Chrysler	Dodge	Vista	ENGINE	1992	1994
Chrysler	Dodge	Vista	TRANSMISSION	1992	1994
Chrysler	Eagle	Premier	TRANSMISSION	1992	1992
Chrysler	Eagle	Premier	ENGINE	1991	1992
Chrysler	Eagle	Summit	ENGINE	1992	1994
Chrysler	Eagle	Summit	ENGINE-OBDDII	1996	1996
Chrysler	Eagle	Summit	TRANSMISSION	1992	1994
Chrysler	Eagle	Talon	ENGINE	1992	1998
Chrysler	Eagle	Talon	ENGINE-OBDDII	1995	1998
Chrysler	Eagle	Talon	TRANSMISSION	1992	1996
Chrysler	Eagle	Vision	ABS	1993	1997
Chrysler	Eagle	Vision	ENGINE	1993	1997
Chrysler	Eagle	Vision	ENGINE-OBDDII	1996	1997
Chrysler	Eagle	Vision	ABS (w/TCS)	1993	1997
Chrysler	Eagle	Vision	TRANSMISSION	1993	1997
Chrysler	Plymouth	Acclaim	ENGINE	1989	1995
Chrysler	Plymouth	Acclaim	TRANSMISSION	1992	1995
Chrysler	Plymouth	Breeze	ABS	1998	2000
Chrysler	Plymouth	Breeze	AIRBAG	1999	2000
Chrysler	Plymouth	Breeze	ENGINE-OBDDII	1996	2000
Chrysler	Plymouth	Breeze	ENGINE	1996	2000
Chrysler	Plymouth	Breeze	TRANSMISSION	1996	2000
Chrysler	Plymouth	Caravelle	ENGINE	1988	1988
Chrysler	Plymouth	Colt	TRANSMISSION	1992	1994
Chrysler	Plymouth	Colt	ENGINE	1992	1994
Chrysler	Plymouth	Colt	ENGINE-OBDDII	1996	1996
Chrysler	Plymouth	Dynasty	ENGINE	1993	1993
Chrysler	Plymouth	Dynasty	TRANSMISSION	1993	1993
Chrysler	Plymouth	Grand Voyager	ENGINE-OBDDII	1996	2000
Chrysler	Plymouth	Grand Voyager	ABS	1997	2000
Chrysler	Plymouth	Grand Voyager	TRANSMISSION	1992	2000
Chrysler	Plymouth	Grand Voyager	AIRBAG	1998	2000
Chrysler	Plymouth	Grand Voyager	ENGINE	1988	2000
Chrysler	Plymouth	Horizon	ENGINE	1988	1990
Chrysler	Plymouth	Incomplete Veh	ENGINE	1988	1994
Chrysler	Plymouth	Incomplete Veh	TRANSMISSION	1992	1994
Chrysler	Plymouth	Laser	ENGINE	1992	1994

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Chrysler	Plymouth	Laser	TRANSMISSION	1992	1994
Chrysler	Plymouth	Mini-Van	ENGINE	1988	1994
Chrysler	Plymouth	Mini-Van	TRANSMISSION	1994	1994
Chrysler	Plymouth	Neon	ABS	1999	2001
Chrysler	Plymouth	Neon	ENGINE	1995	2001
Chrysler	Plymouth	Neon	ENGINE-OBDDII	1995	2001
Chrysler	Plymouth	Neon	AIRBAG	1999	2001
Chrysler	Plymouth	Neon	TRANSMISSION	2001	2001
Chrysler	Plymouth	Prowler	TRANSMISSION	1999	2002
Chrysler	Plymouth	Prowler	AIRBAG	1999	2002
Chrysler	Plymouth	Prowler	ENGINE	1997	2002
Chrysler	Plymouth	Prowler	ENGINE-OBDDII	1997	2002
Chrysler	Plymouth	Reliant	ENGINE	1988	1989
Chrysler	Plymouth	Sundance	ENGINE	1988	1994
Chrysler	Plymouth	Sundance	TRANSMISSION	1993	1994
Chrysler	Plymouth	Vista	ENGINE	1992	1994
Chrysler	Plymouth	Vista	TRANSMISSION	1992	1994
Chrysler	Plymouth	Voyager	ABS	1997	2000
Chrysler	Plymouth	Voyager	AIRBAG	1998	2000
Chrysler	Plymouth	Voyager	ENGINE	1988	2000
Chrysler	Plymouth	Voyager	ENGINE-OBDDII	1996	2000
Chrysler	Plymouth	Voyager	TRANSMISSION	1992	2000
Ford	Ford	Aerostar	AIRBAG	1992	1997
Ford	Ford	Aerostar	ABS (RABS)	1990	1997
Ford	Ford	Aerostar	ENGINE	1985	1997
Ford	Ford	Aspire	AIRBAG	1994	1997
Ford	Ford	Aspire	ABS	1994	1997
Ford	Ford	Aspire	ENGINE	1994	1995
Ford	Ford	Aspire	ENGINE-OBDDII	1996	1997
Ford	Ford	B600	ENGINE	1991	1994
Ford	Ford	B700	ENGINE	1991	1994
Ford	Ford	Bronco	ENGINE	1984	1996
Ford	Ford	Bronco	ABS	1993	1996
Ford	Ford	Bronco	ABS (RABS)	1988	1992
Ford	Ford	Bronco	AIRBAG	1992	1996
Ford	Ford	Bronco II	ENGINE	1984	1990
Ford	Ford	Bronco II	ABS (RABS)	1987	1990
Ford	Ford	Club Wagon	ABS (RABS)	1999	1999
Ford	Ford	Club Wagon	AIRBAG	1997	1999
Ford	Ford	Club Wagon	ALT FUEL	1998	1999
Ford	Ford	Club Wagon	ABS	1997	1998
Ford	Ford	Club Wagon	ENGINE	1997	1999
Ford	Ford	Contour	ALT FUEL	1998	2000
Ford	Ford	Contour	ABS	1995	2000
Ford	Ford	Contour	AIRBAG	1995	2000
Ford	Ford	Contour	ENGINE	1995	2000

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Ford	Ford	Country Squire	ENGINE	1984	1991
Ford	Ford	Crown Victoria	ABS	1992	2003
Ford	Ford	Crown Victoria	ENGINE	1984	2003
Ford	Ford	Crown Victoria	AIRBAG	1992	2003
Ford	Ford	Crown Victoria	ALT FUEL	1999	2003
Ford	Ford	E-Super Duty	ABS (RABS)	1999	1999
Ford	Ford	E-Super Duty	ALT FUEL	1998	1999
Ford	Ford	E-Super Duty	ENGINE	1998	1999
Ford	Ford	E-Super Duty	ABS	1999	1999
Ford	Ford	E-Super Duty	AIRBAG	1998	1999
Ford	Ford	Econoline	AIRBAG	2001	2003
Ford	Ford	Econoline	ENGINE	2001	2003
Ford	Ford	Econoline	ABS (RABS)	2001	2003
Ford	Ford	Econoline	ABS	2001	2003
Ford	Ford	Econoline	ALT FUEL	2001	2003
Ford	Ford	Econoline E150	ABS (RABS)	1987	2000
Ford	Ford	Econoline E150	ALT FUEL	1998	2000
Ford	Ford	Econoline E150	ABS	1994	2000
Ford	Ford	Econoline E150	AIRBAG	1992	2000
Ford	Ford	Econoline E150	ENGINE	1984	2000
Ford	Ford	Econoline E250	ENGINE	1984	2000
Ford	Ford	Econoline E250	ABS	1994	2000
Ford	Ford	Econoline E250	ABS (RABS)	1987	2000
Ford	Ford	Econoline E250	ALT FUEL	1998	2000
Ford	Ford	Econoline E250	AIRBAG	1993	2000
Ford	Ford	Econoline E350	ABS	1994	2000
Ford	Ford	Econoline E350	AIRBAG	1993	2000
Ford	Ford	Econoline E350	ALT FUEL	1998	2000
Ford	Ford	Econoline E350	ENGINE	1984	2000
Ford	Ford	Econoline E350	ABS (RABS)	1987	2000
Ford	Ford	Econoline E450	AIRBAG	2000	2000
Ford	Ford	Econoline E450	ABS	2000	2000
Ford	Ford	Econoline E450	ENGINE	2000	2000
Ford	Ford	Econoline E450	ABS (RABS)	2000	2000
Ford	Ford	Econoline E450	ALT FUEL	2000	2000
Ford	Ford	Escape	AIRBAG	2001	2003
Ford	Ford	Escape	ENGINE	2001	2003
Ford	Ford	Escape	ABS	2001	2003
Ford	Ford	Escort	ENGINE	1984	2003
Ford	Ford	Escort	AIRBAG	1994	2003
Ford	Ford	Escort	ABS	1994	2003
Ford	Ford	Escort	TRANSMISSION	1992	1992
Ford	Ford	Escort	TRANS 1.8L	1993	1995
Ford	Ford	Excursion	AIRBAG	2000	2003
Ford	Ford	Excursion	ABS (RABS)	2001	2003
Ford	Ford	Excursion	ABS	2000	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Ford	Ford	Excursion	ENGINE	2000	2003
Ford	Ford	EXP	ENGINE	1984	1989
Ford	Ford	Exp Sport Trac 4X4	CONTROL	2001	2003
Ford	Ford	Exp Sport Trac	ENGINE	2001	2003
Ford	Ford	Exp Sport Trac	ABS	2001	2003
Ford	Ford	Exp Sport Trac	AIRBAG	2001	2003
Ford	Ford	Expedition	ENGINE	1997	2003
Ford	Ford	Expedition	ABS	1997	2003
Ford	Ford	Expedition	AIRBAG	1997	2003
Ford	Ford	Expedition	TIRE PRESSURE	2003	2003
Ford	Ford	Explorer 4X4	CONTROL	2001	2002
Ford	Ford	Explorer	ABS	1993	2003
Ford	Ford	Explorer	AIRBAG	1992	2003
Ford	Ford	Explorer	TIRE PRESSURE	2002	2003
Ford	Ford	Explorer	ABS (RABS)	1990	1992
Ford	Ford	Explorer	ENGINE	1990	2003
Ford	Ford	Explorer Sport 4X4	CONTROL	2001	2003
Ford	Ford	Explorer Sport	ENGINE	2000	2003
Ford	Ford	Explorer Sport	ABS	2000	2003
Ford	Ford	Explorer Sport	AIRBAG	2000	2003
Ford	Ford	Explorer Postal 4X4	CONTROL	2001	2002
Ford	Ford	Explorer Postal	AIRBAG	2001	2001
Ford	Ford	Explorer Postal	ABS	2001	2002
Ford	Ford	Explorer Postal	ENGINE	2001	2002
Ford	Ford	F-150	ABS (RABS)	1987	2003
Ford	Ford	F-150	ABS	1996	2003
Ford	Ford	F-150	AIRBAG	1992	2003
Ford	Ford	F-150	ALT FUEL	1998	2003
Ford	Ford	F-150	ENGINE	1984	2003
Ford	Ford	F-150 Reg Cab	ABS (RABS)	1999	2000
Ford	Ford	F-150 Reg Cab	ABS	1999	2000
Ford	Ford	F-150 Reg Cab	AIRBAG	1999	2000
Ford	Ford	F-150 Reg Cab	ALT FUEL	1999	2000
Ford	Ford	F-150 Reg Cab	ENGINE	1999	2000
Ford	Ford	F-150 Supr Cab	ABS (RABS)	1999	2000
Ford	Ford	F-150 Supr Cab	ABS	1999	2000
Ford	Ford	F-150 Supr Cab	AIRBAG	1999	2000
Ford	Ford	F-150 Supr Cab	ALT FUEL	1999	2000
Ford	Ford	F-150 Supr Cab	ENGINE	1999	2000
Ford	Ford	F-250	ABS	1997	1998
Ford	Ford	F-250	AIRBAG	1992	1998
Ford	Ford	F-250	ENGINE	1984	1998
Ford	Ford	F-250	ABS (RABS)	1987	1998
Ford	Ford	F-250	ALT FUEL	1998	1998
Ford	Ford	F-250 Reg Cab	AIRBAG	1999	1999
Ford	Ford	F-250 Reg Cab	ENGINE	1999	1999

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Ford	Ford	F-250 Reg Cab	ABS (RABS)	1999	1999
Ford	Ford	F-250 Reg Cab	ALT FUEL	1999	1999
Ford	Ford	F-250 Reg Cab	ABS	1999	1999
Ford	Ford	F-250 Supr Cab	AIRBAG	1999	1999
Ford	Ford	F-250 Supr Cab	ALT FUEL	1999	1999
Ford	Ford	F-250 Supr Cab	ABS (RABS)	1999	1999
Ford	Ford	F-250 Supr Cab	ENGINE	1999	1999
Ford	Ford	F-250 Supr Cab	ABS	1999	1999
Ford	Ford	F-350	ENGINE	1984	1997
Ford	Ford	F-350	AIRBAG	1992	1996
Ford	Ford	F-350	ABS (RABS)	1987	1997
Ford	Ford	F-450	AIRBAG	1992	1994
Ford	Ford	F-450	ENGINE	1988	1994
Ford	Ford	F-450	ABS (RABS)	1988	1994
Ford	Ford	F-600	ENGINE	1991	1994
Ford	Ford	F-700	ENGINE	1991	1994
Ford	Ford	F-800	ENGINE	1991	1994
Ford	Ford	F-Super Duty	ABS (RABS)	1995	1997
Ford	Ford	F-Super Duty	AIRBAG	1995	1996
Ford	Ford	F-Super Duty	ENGINE	1995	1997
Ford	Ford	Festiva	ENGINE	1988	1993
Ford	Ford	Focus	AIRBAG	2000	2003
Ford	Ford	Focus	ENGINE	2000	2003
Ford	Ford	Focus	ABS	2000	2003
Ford	Ford	FT-900	ENGINE	1991	1994
Ford	Ford	L8000	ENGINE	1995	1997
Ford	Ford	L9000	ENGINE	1995	1997
Ford	Ford	LTD	ENGINE	1984	1986
Ford	Ford	Mustang	ABS	1994	2003
Ford	Ford	Mustang	AIRBAG	1992	2003
Ford	Ford	Mustang	ENGINE	1984	2003
Ford	Ford	Probe	ENGINE	1989	1997
Ford	Ford	Probe	ABS	1993	1997
Ford	Ford	Probe	AIRBAG	1996	1997
Ford	Ford	Probe	TRANSMISSION	1992	1995
Ford	Ford	Ranger	ABS (RABS)	1989	2003
Ford	Ford	Ranger 4X4	CONTROL	2001	2003
Ford	Ford	Ranger	ABS	1996	2003
Ford	Ford	Ranger	AIRBAG	1992	2003
Ford	Ford	Ranger	ENGINE	1984	2003
Ford	Ford	Super Club	ABS	1999	1999
Ford	Ford	Super Club	ABS (RABS)	1999	1999
Ford	Ford	Super Club	AIRBAG	1999	1999
Ford	Ford	Super Club	ALT FUEL	1999	1999
Ford	Ford	Super Club	ENGINE	1999	1999
Ford	Ford	Super Van	ALT FUEL	1999	1999

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Ford	Ford	Super Van	ABS	1999	1999
Ford	Ford	Super Van	ABS (RABS)	1999	1999
Ford	Ford	Super Van	AIRBAG	1999	1999
Ford	Ford	Super Van	ENGINE	1999	1999
Ford	Ford	Super Duty	AIRBAG	1999	2003
Ford	Ford	Super Duty	ENGINE	1999	2003
Ford	Ford	Super Duty	ABS	1999	2003
Ford	Ford	Super Duty	ABS (RABS)	1999	2003
Ford	Ford	Taurus	AIRBAG	1992	2003
Ford	Ford	Taurus	ABS	1990	2003
Ford	Ford	Taurus	ENGINE	1986	2003
Ford	Ford	Tempo	ENGINE	1984	1994
Ford	Ford	Tempo	ABS	1993	1994
Ford	Ford	Thunderbird	ABS	1987	2003
Ford	Ford	Thunderbird	ENGINE	1984	2003
Ford	Ford	Thunderbird	AIRBAG	1996	2003
Ford	Ford	Windstar	AIRBAG	1995	2003
Ford	Ford	Windstar	ABS	1995	2003
Ford	Ford	Windstar	ENGINE	1995	2003
Ford	Ford	ZX2	AIRBAG	2001	2003
Ford	Ford	ZX2	ABS	2001	2003
Ford	Ford	ZX2	ENGINE	2001	2003
Ford	Lincoln	Aviator	ENGINE	2003	2003
Ford	Lincoln	Aviator	AIRBAG	2003	2003
Ford	Lincoln	Aviator	TIRE PRESSURE	2003	2003
Ford	Lincoln	Aviator	ABS	2003	2003
Ford	Lincoln	Blackwood	ENGINE	2002	2003
Ford	Lincoln	Blackwood	ABS	2002	2003
Ford	Lincoln	Blackwood	AIRBAG	2002	2003
Ford	Lincoln	Continental	AIRBAG	1992	2002
Ford	Lincoln	Continental	ABS	1986	2002
Ford	Lincoln	Continental	ENGINE	1984	2002
Ford	Lincoln	LS	ENGINE	2000	2003
Ford	Lincoln	LS	ABS	2000	2003
Ford	Lincoln	LS	AIRBAG	2000	2003
Ford	Lincoln	Mark VII	ABS	1987	1992
Ford	Lincoln	Mark VII	ENGINE	1984	1992
Ford	Lincoln	Mark VIII	AIRBAG	1996	1998
Ford	Lincoln	Mark VIII	ABS	1993	1998
Ford	Lincoln	Mark VIII	ENGINE	1993	1998
Ford	Lincoln	Navigator	ENGINE	1998	2003
Ford	Lincoln	Navigator	ABS	1998	2003
Ford	Lincoln	Navigator	AIRBAG	1998	2003
Ford	Lincoln	Town Car	ABS	1990	2003
Ford	Lincoln	Town Car	AIRBAG	1992	2003
Ford	Lincoln	Town Car	ENGINE	1984	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Ford	Mercury	Capri	ENGINE	1984	1994
Ford	Mercury	Capri	TRANSMISSION	1992	1994
Ford	Mercury	Capri	AIRBAG	1992	1994
Ford	Mercury	Colony Park	ENGINE	1984	1991
Ford	Mercury	Cougar	AIRBAG	1993	2002
Ford	Mercury	Cougar	ABS	1988	2002
Ford	Mercury	Cougar	ENGINE	1984	2002
Ford	Mercury	Grand Marquis	ABS	1992	2003
Ford	Mercury	Grand Marquis	AIRBAG	1992	2003
Ford	Mercury	Grand Marquis	ALT FUEL	1999	2000
Ford	Mercury	Grand Marquis	ENGINE	1984	2003
Ford	Mercury	Lynx	ENGINE	1984	1987
Ford	Mercury	Marauder	ENGINE	2003	2003
Ford	Mercury	Marauder	ABS	2003	2003
Ford	Mercury	Marauder	AIRBAG	2003	2003
Ford	Mercury	Marquis	ENGINE	1984	1986
Ford	Mercury	Mountaineer 4X4	CONTROL	2001	2001
Ford	Mercury	Mountaineer	AIRBAG	1997	2003
Ford	Mercury	Mountaineer	TIRE PRESSURE	2002	2003
Ford	Mercury	Mountaineer	ABS	1997	2003
Ford	Mercury	Mountaineer	ENGINE	1997	2003
Ford	Mercury	Mystique	ENGINE	1995	2000
Ford	Mercury	Mystique	AIRBAG	1995	2000
Ford	Mercury	Mystique	ABS	1995	2000
Ford	Mercury	Sable	ABS	1990	2003
Ford	Mercury	Sable	AIRBAG	1992	2003
Ford	Mercury	Sable	ENGINE	1986	2003
Ford	Mercury	Topaz	ABS	1993	1994
Ford	Mercury	Topaz	ENGINE	1984	1994
Ford	Mercury	Tracer	TRANS 1.8L	1993	1995
Ford	Mercury	Tracer	TRANSMISSION	1992	1992
Ford	Mercury	Tracer	ABS	1994	1999
Ford	Mercury	Tracer	AIRBAG	1995	1999
Ford	Mercury	Tracer	ENGINE	1988	1999
Ford	Mercury	Villager	ENGINE	1993	1995
Ford	Mercury	Villager	ABS	1993	2002
Ford	Mercury	Villager	AIRBAG	1994	2002
Ford	Mercury	Villager	ENGINE-OBDII	1996	2002
Ford	Merkur	Merkur	ENGINE	1985	1989
Global OBD II	Global OBD II	Global OBD II	ENGINE-OBDII	1996	2005
GM	Buick	Century	ABS	1996	2003
GM	Buick	Century	ABS/ETS/TIM	2000	2003
GM	Buick	Century	PCM	1993	2003
GM	Buick	Century	ABS/ETS/TIM/VES	2000	2003
GM	Buick	Century	ABS/TCS	2000	2000
GM	Buick	Century	ABS VI	1991	1995

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Buick	Century	ENGINE	1984	1992
GM	Buick	Century	ABS/TCS/TIM	2000	2003
GM	Buick	Century	ABS/TCS/TIM/VES	2000	2003
GM	Buick	Century	AIRBAG	1993	2003
GM	Buick	Coach Wagon	AIRBAG	1992	1995
GM	Buick	Coach Wagon	PCM	1993	1995
GM	Buick	Coach Wagon	ABS	1991	1995
GM	Buick	Coach Wagon	ENGINE	1990	1992
GM	Buick	Coach Wagon	TRANSMISSION	1994	1995
GM	Buick	Electra	ENGINE	1984	1990
GM	Buick	Electra	ABS TEVES II	1989	1990
GM	Buick	Estate	ENGINE	1990	1990
GM	Buick	LeSabre	ABS #2	1994	1999
GM	Buick	LeSabre	AIRBAG	1992	2003
GM	Buick	LeSabre	ABS/TCS/TIM	2000	2003
GM	Buick	LeSabre	PCM	1993	2003
GM	Buick	LeSabre	ABS	1991	2003
GM	Buick	LeSabre	ABS/TCS	2000	2003
GM	Buick	LeSabre	ABS/TCS/TIM/VSES	2000	2003
GM	Buick	LeSabre	ENGINE	1984	1992
GM	Buick	LeSabre	ABS #1	1994	1999
GM	Buick	LeSabre	ABS TEVES II	1989	1990
GM	Buick	LeSabre	ABS/TIM	2000	2003
GM	Buick	Park Avenue	ABS #1	1994	1996
GM	Buick	Park Avenue	ABS TEVES II	1989	1990
GM	Buick	Park Avenue	PCM	1993	2003
GM	Buick	Park Avenue	POWERTRAIN #2	1995	1995
GM	Buick	Park Avenue	ABS	1991	2003
GM	Buick	Park Avenue	ABS #2	1994	1996
GM	Buick	Park Avenue	POWERTRAIN #1	1995	1995
GM	Buick	Park Avenue	ABS/TCS/TIM	2000	2003
GM	Buick	Park Avenue	ABS/TIM	2000	2003
GM	Buick	Park Avenue	AIRBAG	1991	2003
GM	Buick	Park Avenue	ABS/TCS	2000	2003
GM	Buick	Park Avenue	ABS/TCS/TIM/VSES	2000	2003
GM	Buick	Park Avenue	ENGINE	1985	1992
GM	Buick	Reatta	AIRBAG	1990	1991
GM	Buick	Reatta	ENGINE	1988	1991
GM	Buick	Reatta	ABS	1991	1991
GM	Buick	Reatta	ABS TEVES II	1988	1990
GM	Buick	Regal	ABS	1996	2003
GM	Buick	Regal	ABS VI	1992	1995
GM	Buick	Regal	ABS/ETS/TIM	2000	2003
GM	Buick	Regal	AIRBAG	1994	2003
GM	Buick	Regal	ABS/TCS	2000	2000
GM	Buick	Regal	ABS/TCS/TIM	2000	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Buick	Regal	ABS/TCS/TIM/VES	2000	2003
GM	Buick	Regal	PCM	1993	2003
GM	Buick	Regal	ABS III	1989	1991
GM	Buick	Regal	ABS/ETS/TIM/VES	2000	2003
GM	Buick	Regal	ENGINE	1984	1992
GM	Buick	Regal (1997.5)	PCM	1997	1997
GM	Buick	Regal (1997.5)	ABS	1997	1997
GM	Buick	Regal (1997.5)	AIRBAG	1997	1997
GM	Buick	Rendezvous	ABS	2002	2003
GM	Buick	Rendezvous	AIRBAG	2002	2003
GM	Buick	Rendezvous	ABS/TPM	2002	2003
GM	Buick	Rendezvous	PCM	2002	2003
GM	Buick	Rendezvous	ABS/TCS	2002	2003
GM	Buick	Rendezvous	ABS/TCS/TPM	2002	2003
GM	Buick	Riviera	ABS #1	1995	1999
GM	Buick	Riviera	AIRBAG	1990	1999
GM	Buick	Riviera	POWERTRAIN #1	1995	1995
GM	Buick	Riviera	ABS #2	1995	1999
GM	Buick	Riviera	ENGINE	1984	1992
GM	Buick	Riviera	ABS	1991	1993
GM	Buick	Riviera	ABS TEVES II	1988	1990
GM	Buick	Riviera	PCM	1993	1999
GM	Buick	Riviera	POWERTRAIN #2	1995	1995
GM	Buick	Roadmaster	AIRBAG	1992	1996
GM	Buick	Roadmaster	PCM	1993	1996
GM	Buick	Roadmaster	ENGINE	1990	1992
GM	Buick	Roadmaster	TRANSMISSION	1994	1995
GM	Buick	Roadmaster	ABS	1991	1996
GM	Buick	Skyhawk	ENGINE	1984	1989
GM	Buick	Skylark	ABS VI	1991	1995
GM	Buick	Skylark	PCM	1993	1998
GM	Buick	Skylark	AIRBAG	1992	1998
GM	Buick	Skylark	ENGINE	1984	1992
GM	Buick	Skylark	ABS	1996	1998
GM	Buick	Somerset	ENGINE	1985	1987
GM	Cadillac	Allante	ABS/ASR	1993	1993
GM	Cadillac	Allante	TRANSMISSION	1993	1993
GM	Cadillac	Allante	AIRBAG	1990	1993
GM	Cadillac	Allante	PCM	1993	1993
GM	Cadillac	Allante	ENGINE	1987	1992
GM	Cadillac	Brougham	ABS	1990	1992
GM	Cadillac	Brougham	ENGINE	1987	1992
GM	Cadillac	Catera	ENGINE	1997	2001
GM	Cadillac	Catera	TRANSMISSION	1998	2001
GM	Cadillac	Cimarron	ENGINE	1984	1988
GM	Cadillac	Comm Chas	PCM	1993	1995

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Cadillac	Comm Chas	TRANSMISSION	1994	1995
GM	Cadillac	Comm Chas	ABS	1991	1995
GM	Cadillac	Comm Chas	AIRBAG	1991	1995
GM	Cadillac	Comm Chas	ENGINE	1991	1992
GM	Cadillac	Concours	ABS	1994	1998
GM	Cadillac	Concours	AIRBAG	1994	1998
GM	Cadillac	Concours	TRANSMISSION #1	1994	1995
GM	Cadillac	Concours	PCM	1994	1998
GM	Cadillac	Concours	TRANSMISSION #2	1994	1995
GM	Cadillac	CTS	ABS/TCS	2003	2003
GM	Cadillac	CTS	AIRBAG	2003	2003
GM	Cadillac	CTS	ABS/TCS/VSES	2003	2003
GM	Cadillac	CTS	TRANSMISSION	2003	2003
GM	Cadillac	CTS	ENGINE	2003	2003
GM	Cadillac	DeVille	ABS TEVES II	1990	1990
GM	Cadillac	DeVille	ABS/TCS	2000	2003
GM	Cadillac	DeVille	TRANSMISSION #1	1994	1994
GM	Cadillac	DeVille	ABS	1991	1999
GM	Cadillac	DeVille	ABS/TCS/VSES 3	2000	2003
GM	Cadillac	DeVille	ABS/TCS/VSES3/BLW	2000	2003
GM	Cadillac	DeVille	TRANSMISSION #2	1994	1994
GM	Cadillac	DeVille	ABS/TCS/VSES 2	2000	2003
GM	Cadillac	DeVille	ABS/TCS/VSES2/BLW	2000	2003
GM	Cadillac	DeVille	AIRBAG	1990	2003
GM	Cadillac	DeVille	ENGINE	1984	1992
GM	Cadillac	DeVille	PCM	1993	2003
GM	Cadillac	DeVille	TIRE PRESSURE MONITOR	2001	2003
GM	Cadillac	Eldorado	ABS	1991	1999
GM	Cadillac	Eldorado	ABS TEVES II	1988	1990
GM	Cadillac	Eldorado	ABS/TCS ICCS 3	2000	2002
GM	Cadillac	Eldorado	TRANSMISSION #1	1994	1995
GM	Cadillac	Eldorado	TRANSMISSION #2	1994	1995
GM	Cadillac	Eldorado	ABS/TCS ICCS2	2000	2002
GM	Cadillac	Eldorado	TRANSMISSION	1993	1993
GM	Cadillac	Eldorado	ABS/ASR	1993	1993
GM	Cadillac	Eldorado	ABS/TCS	2000	2002
GM	Cadillac	Eldorado	AIRBAG	1990	2002
GM	Cadillac	Eldorado	DUAL AIRBAGS	1993	1993
GM	Cadillac	Eldorado	ENGINE	1984	1992
GM	Cadillac	Eldorado	PCM	1993	2002
GM	Cadillac	Escalade	ABS	2000	2003
GM	Cadillac	Escalade	AIRBAG	1999	2003
GM	Cadillac	Escalade	PCM	1999	2003
GM	Cadillac	Escalade	TRANSFER CASE	1999	2001
GM	Cadillac	Escalade	EXT ABS	2002	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Cadillac	Escalade	EXT PCM	2002	2003
GM	Cadillac	Escalade	EXT AIRBAG	2002	2003
GM	Cadillac	Fleetwood	ABS TEVES II	1989	1990
GM	Cadillac	Fleetwood	ABS/ASR	1993	1993
GM	Cadillac	Fleetwood	PCM	1993	1996
GM	Cadillac	Fleetwood	TRANSMISSION	1994	1995
GM	Cadillac	Fleetwood	AIRBAG	1990	1996
GM	Cadillac	Fleetwood	ABS	1991	1996
GM	Cadillac	Fleetwood	ENGINE	1984	1992
GM	Cadillac	Limousine	ENGINE	1986	1987
GM	Cadillac	Seville	ABS	1991	1999
GM	Cadillac	Seville	ABS/TCS/VSES 2	2000	2003
GM	Cadillac	Seville	ABS/TCS/VSES3/BLW	2000	2003
GM	Cadillac	Seville	ENGINE	1984	1992
GM	Cadillac	Seville	TRANSMISSION #2	1994	1995
GM	Cadillac	Seville	ABS TEVES II	1988	1990
GM	Cadillac	Seville	ABS/TCS	2000	2003
GM	Cadillac	Seville	TIRE PRESSURE MONITOR	2001	2003
GM	Cadillac	Seville	TRANSMISSION	1993	1993
GM	Cadillac	Seville	TRANSMISSION #1	1994	1995
GM	Cadillac	Seville	ABS/ASR	1993	1993
GM	Cadillac	Seville	ABS/TCS/VSES 3	2000	2003
GM	Cadillac	Seville	ABS/TCS/VSES2/BLW	2000	2003
GM	Cadillac	Seville	AIRBAG	1990	2002
GM	Cadillac	Seville	PCM	1993	2003
GM	Cadillac	Seville	DUAL AIRBAGS	1993	1993
GM	Chevrolet	Astro	AWD ABS	2000	2003
GM	Chevrolet	Astro	AWD ABS (4WAL)	1999	1999
GM	Chevrolet	Astro	AWD PCM	1999	2003
GM	Chevrolet	Astro	AWD TRANSFER CASE	1999	2003
GM	Chevrolet	Astro	AWD AIRBAG	1999	2003
GM	Chevrolet	Astro	RWD ABS	2000	2003
GM	Chevrolet	Astro	RWD TRANSFER CASE	2003	2003
GM	Chevrolet	Astro	RWD ABS (4WAL)	1999	1999
GM	Chevrolet	Astro	RWD AIRBAG	1999	2003
GM	Chevrolet	Astro	RWD PCM	1999	2003
GM	Chevrolet	Astro Van	ABS (RWAL)	1989	1994
GM	Chevrolet	Astro Van	ENGINE	1985	1992
GM	Chevrolet	Astro Van	TRANSMISSION	1993	1995
GM	Chevrolet	Astro Van	ABS (4WAL)	1990	1998
GM	Chevrolet	Astro Van	AIRBAG	1994	1998
GM	Chevrolet	Astro Van	PCM	1993	1998
GM	Chevrolet	Avalanche	TRACTION ASSIST	2002	2003
GM	Chevrolet	Avalanche	TRANSFER CASE	2002	2003
GM	Chevrolet	Avalanche	ABS	2002	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	Avalanche	AIRBAG	2002	2003
GM	Chevrolet	Avalanche	PCM	2002	2003
GM	Chevrolet	Beretta	ENGINE	1987	1992
GM	Chevrolet	Beretta	ABS	1996	1996
GM	Chevrolet	Beretta	ABS VI	1991	1995
GM	Chevrolet	Beretta	AIRBAG	1991	1996
GM	Chevrolet	Beretta	PCM	1993	1996
GM	Chevrolet	Blazer 2WD	ABS	2000	2003
GM	Chevrolet	Blazer 2WD	PCM	1996	2003
GM	Chevrolet	Blazer 2WD	TRACTION ASSIST	2002	2003
GM	Chevrolet	Blazer 2WD	ABS (4WAL)	1996	1999
GM	Chevrolet	Blazer 2WD	ENGINE	1987	1988
GM	Chevrolet	Blazer 2WD	AIRBAG	1996	2002
GM	Chevrolet	Blazer 4WD	ENGINE	1987	1988
GM	Chevrolet	Blazer 4WD	TRANSFER CASE	1998	2003
GM	Chevrolet	Blazer 4WD	ABS (4WAL)	1996	1999
GM	Chevrolet	Blazer 4WD	PCM	1996	2003
GM	Chevrolet	Blazer 4WD	ABS	2000	2003
GM	Chevrolet	Blazer 4WD	AIRBAG	1996	2002
GM	Chevrolet	Bus Chassis	ENGINE	1989	1992
GM	Chevrolet	Bus Chassis	PCM	1993	1997
GM	Chevrolet	Bus Chassis	TRANSMISSION	1994	1995
GM	Chevrolet	C10 2WD	ENGINE	1984	1986
GM	Chevrolet	C1500	PCM	1999	1999
GM	Chevrolet	C1500	ABS (4WAL)	1999	1999
GM	Chevrolet	C1500	AIRBAG	1999	1999
GM	Chevrolet	C1500 2WD	PCM	1996	1998
GM	Chevrolet	C1500 2WD	ABS (4WAL)	1996	1998
GM	Chevrolet	C1500 2WD	AIRBAG	1996	1998
GM	Chevrolet	C1500 2WD	ABS (4WAL)	1991	1995
GM	Chevrolet	C1500 2WD	ENGINE	1988	1992
GM	Chevrolet	C1500 2WD	ABS (RWAL)	1988	1994
GM	Chevrolet	C1500 2WD	TRANSMISSION	1992	1995
GM	Chevrolet	C1500 2WD	AIRBAG	1994	1995
GM	Chevrolet	C1500 2WD	PCM	1993	1995
GM	Chevrolet	C20 2WD	ENGINE	1985	1986
GM	Chevrolet	C2500 2WD	PCM	1996	1997
GM	Chevrolet	C2500 2WD	ABS (4WAL)	1996	1997
GM	Chevrolet	C2500 2WD	AIRBAG	1996	1997
GM	Chevrolet	C2500 ALT FUEL	TRACTION ASSIST	2000	2000
GM	Chevrolet	C2500 ALT FUEL	ABS (4WAL)	1998	1998
GM	Chevrolet	C2500 ALT FUEL	ABS	2000	2000
GM	Chevrolet	C2500 ALT FUEL	AIRBAG	1998	1998
GM	Chevrolet	C2500 O8600	ABS	2000	2000
GM	Chevrolet	C2500 O8600	AIRBAG	1998	2000
GM	Chevrolet	C2500 O8600	PCM	1998	2000

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	C2500 O8600	ABS (4WAL)	1998	1999
GM	Chevrolet	C2500 O8600	TRACTION ASSIST	2000	2000
GM	Chevrolet	C2500 U8600	ABS	2000	2000
GM	Chevrolet	C2500 U8600	ABS (4WAL)	1998	1999
GM	Chevrolet	C2500 U8600	AIRBAG	1998	2000
GM	Chevrolet	C2500 U8600	TRACTION ASSIST	2000	2000
GM	Chevrolet	C2500 U8600	PCM	1998	2000
GM	Chevrolet	C2500 2WD	ABS (4WAL)	1991	1995
GM	Chevrolet	C2500 2WD	ENGINE	1988	1993
GM	Chevrolet	C2500 2WD	AIRBAG	1994	1995
GM	Chevrolet	C2500 2WD	PCM	1993	1995
GM	Chevrolet	C2500 2WD	ABS (RWAL)	1988	1994
GM	Chevrolet	C2500 2WD	TRANSMISSION	1992	1995
GM	Chevrolet	C30 2WD	ENGINE	1985	1986
GM	Chevrolet	C3500	ABS (4WAL)	1999	1999
GM	Chevrolet	C3500	PCM	1999	2000
GM	Chevrolet	C3500	TRACTION ASSIST	2000	2000
GM	Chevrolet	C3500	AIRBAG	1999	2000
GM	Chevrolet	C3500	ABS	2000	2000
GM	Chevrolet	C3500 2WD	ABS (4WAL)	1996	1998
GM	Chevrolet	C3500 2WD	AIRBAG	1996	1998
GM	Chevrolet	C3500 2WD	PCM	1996	1998
GM	Chevrolet	C3500 2WD	ABS (RWAL)	1988	1994
GM	Chevrolet	C3500 2WD	ABS (4WAL)	1991	1995
GM	Chevrolet	C3500 2WD	ENGINE	1988	1993
GM	Chevrolet	C3500 2WD	AIRBAG	1994	1995
GM	Chevrolet	C3500 2WD	PCM	1993	1995
GM	Chevrolet	C3500 2WD	TRANSMISSION	1992	1995
GM	Chevrolet	Camaro	ABS	1996	2002
GM	Chevrolet	Camaro	ABS VI	1993	1995
GM	Chevrolet	Camaro	POWERTRAIN (FAST)	1986	1989
GM	Chevrolet	Camaro	POWERTRAIN (SLOW)	1986	1989
GM	Chevrolet	Camaro	ABS/TCS	2000	2002
GM	Chevrolet	Camaro	AIRBAG	1990	2002
GM	Chevrolet	Camaro	TRANSMISSION	1994	1995
GM	Chevrolet	Camaro	ABS/ETS	2000	2002
GM	Chevrolet	Camaro	ENGINE	1984	1992
GM	Chevrolet	Camaro	PCM	1993	2002
GM	Chevrolet	Caprice	PCM	1993	1996
GM	Chevrolet	Caprice	TRANSMISSION	1994	1995
GM	Chevrolet	Caprice	ABS	1991	1996
GM	Chevrolet	Caprice	AIRBAG	1991	1996
GM	Chevrolet	Caprice	ENGINE	1984	1992
GM	Chevrolet	Cavalier	ABS	1996	2003
GM	Chevrolet	Cavalier	ABS VI	1992	1995
GM	Chevrolet	Cavalier	ABS/ETS	2000	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	Cavalier	PCM	1993	2003
GM	Chevrolet	Cavalier	AIRBAG	1993	2003
GM	Chevrolet	Cavalier	ENGINE	1984	1992
GM	Chevrolet	Cavalier Alt/F	ABS/ETS	2001	2002
GM	Chevrolet	Cavalier Alt/F	ALTERNATE FUEL	2002	2002
GM	Chevrolet	Cavalier Alt/F	PCM	2001	2002
GM	Chevrolet	Cavalier Alt/F	ABS	2001	2002
GM	Chevrolet	Cavalier Alt/F	AIRBAG	2001	2002
GM	Chevrolet	Celebrity	ENGINE	1984	1990
GM	Chevrolet	Chassis Only	TRANSMISSION	1994	1995
GM	Chevrolet	Chassis Only	ENGINE	1990	1992
GM	Chevrolet	Chassis Only	PCM	1993	1997
GM	Chevrolet	Chevette	ENGINE	1984	1987
GM	Chevrolet	Citation II	ENGINE	1984	1985
GM	Chevrolet	Conventional	ENGINE	1989	1990
GM	Chevrolet	Corsica	ENGINE	1987	1992
GM	Chevrolet	Corsica	ABS	1996	1996
GM	Chevrolet	Corsica	PCM	1993	1996
GM	Chevrolet	Corsica	ABS VI	1991	1995
GM	Chevrolet	Corsica	AIRBAG	1991	1996
GM	Chevrolet	Corvette	ABS/ASR	1992	1993
GM	Chevrolet	Corvette	ENGINE	1984	1992
GM	Chevrolet	Corvette	PCM	1993	2003
GM	Chevrolet	Corvette	ABS/TCS	2000	2003
GM	Chevrolet	Corvette	ABS/TCS/VSES	2000	2003
GM	Chevrolet	Corvette	POWERTRAIN (FAST)	1986	1989
GM	Chevrolet	Corvette	POWERTRAIN (SLOW)	1986	1989
GM	Chevrolet	Corvette	TRANSMISSION	1994	1995
GM	Chevrolet	Corvette	ABS	1990	1999
GM	Chevrolet	Corvette	ABS/TCS/MAGSTEER	2000	2000
GM	Chevrolet	Corvette	AIRBAG	1993	2003
GM	Chevrolet	Corvette/Conv	ABS	1991	1991
GM	Chevrolet	Corvette/Conv	ENGINE	1991	1991
GM	Chevrolet	EI Camino	ENGINE	1986	1987
GM	Chevrolet	Express	AIRBAG	1999	2003
GM	Chevrolet	Express	ABS (4WAL)	1999	2002
GM	Chevrolet	Express	ABS	2003	2003
GM	Chevrolet	Express	PCM	1999	2003
GM	Chevrolet	Express	ALTERNATE FUEL	2003	2003
GM	Chevrolet	FRWD Cont Chas	ENGINE	1989	1990
GM	Chevrolet	FWRD Cont Chas	ENGINE	1990	1990
GM	Chevrolet	G10 Van	AIRBAG	1994	1996
GM	Chevrolet	G10 Van	ENGINE	1984	1992
GM	Chevrolet	G10 Van	PCM	1993	1996
GM	Chevrolet	G10 Van	ABS (4WAL)	1991	1996
GM	Chevrolet	G10 Van	ABS (RWAL)	1990	1995

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	G10 Van	TRANSMISSION	1993	1995
GM	Chevrolet	G1500 Van	ABS (4WAL)	1997	1998
GM	Chevrolet	G1500 Van	PCM	1997	1998
GM	Chevrolet	G1500 Van	AIRBAG	1997	1998
GM	Chevrolet	G20 Van	ABS (4WAL)	1991	1996
GM	Chevrolet	G20 Van	TRANSMISSION	1992	1995
GM	Chevrolet	G20 Van	ABS (RWAL)	1990	1995
GM	Chevrolet	G20 Van	AIRBAG	1994	1996
GM	Chevrolet	G20 Van	ENGINE	1985	1993
GM	Chevrolet	G20 Van	PCM	1993	1996
GM	Chevrolet	G2500 Van	ABS (4WAL)	1997	1998
GM	Chevrolet	G2500 Van	PCM	1997	1998
GM	Chevrolet	G2500 Van	AIRBAG	1997	1998
GM	Chevrolet	G30 Van	AIRBAG	1994	1996
GM	Chevrolet	G30 Van	TRANSMISSION	1992	1995
GM	Chevrolet	G30 Van	ABS (4WAL)	1991	1996
GM	Chevrolet	G30 Van	ABS (RWAL)	1990	1995
GM	Chevrolet	G30 Van	ENGINE	1985	1993
GM	Chevrolet	G30 Van	PCM	1993	1996
GM	Chevrolet	G3500 Van	ABS (4WAL)	1997	1998
GM	Chevrolet	G3500 Van	AIRBAG	1997	1998
GM	Chevrolet	G3500 Van	PCM	1997	1998
GM	Chevrolet	Hearse/Limo	TRANSMISSION	1994	1994
GM	Chevrolet	Hearse/Limo	AIRBAG	1991	1994
GM	Chevrolet	Hearse/Limo	ABS	1991	1994
GM	Chevrolet	Hearse/Limo	ENGINE	1991	1992
GM	Chevrolet	Hearse/Limo	PCM	1993	1994
GM	Chevrolet	Impala	ABS	1995	1996
GM	Chevrolet	Impala	ABS/TCS/TIM/VES	2000	2003
GM	Chevrolet	Impala	ENGINE	1984	1985
GM	Chevrolet	Impala	ABS/TIM	2000	2003
GM	Chevrolet	Impala	PCM	1995	2003
GM	Chevrolet	Impala	TRANSMISSION	1995	1995
GM	Chevrolet	Impala	ABS/TCS/TIM	2000	2003
GM	Chevrolet	Impala	AIRBAG	1995	2003
GM	Chevrolet	K-Blazer 2WD	ABS (RWAL)	1990	1991
GM	Chevrolet	K-Blazer 2WD	ENGINE	1990	1991
GM	Chevrolet	K-Blazer 4WD	ABS (RWAL)	1989	1991
GM	Chevrolet	K-Blazer 4WD	ENGINE	1989	1991
GM	Chevrolet	K10 4WD	ENGINE	1984	1986
GM	Chevrolet	K1500	AIRBAG	1999	1999
GM	Chevrolet	K1500	ABS (4WAL)	1999	1999
GM	Chevrolet	K1500	PCM	1999	1999
GM	Chevrolet	K1500	TRANSFER CASE	1999	1999
GM	Chevrolet	K1500 4WD	AIRBAG	1996	1998
GM	Chevrolet	K1500 4WD	TRANSFER CASE	1998	1998

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	K1500 4WD	ABS (4WAL)	1996	1998
GM	Chevrolet	K1500 4WD	PCM	1996	1998
GM	Chevrolet	K1500 4WD	AIRBAG	1994	1995
GM	Chevrolet	K1500 4WD	ABS (RWAL)	1988	1994
GM	Chevrolet	K1500 4WD	TRANSMISSION	1993	1995
GM	Chevrolet	K1500 4WD	ABS (4WAL)	1991	1995
GM	Chevrolet	K1500 4WD	ENGINE	1988	1992
GM	Chevrolet	K1500 4WD	PCM	1993	1995
GM	Chevrolet	K20 4WD	ENGINE	1985	1986
GM	Chevrolet	K2500 4WD	AIRBAG	1996	1997
GM	Chevrolet	K2500 4WD	ABS (4WAL)	1996	1997
GM	Chevrolet	K2500 4WD	PCM	1996	1997
GM	Chevrolet	K2500 O8600	ABS (4WAL)	1998	1999
GM	Chevrolet	K2500 O8600	TRANSFER CASE	1998	2000
GM	Chevrolet	K2500 O8600	ABS	2000	2000
GM	Chevrolet	K2500 O8600	AIRBAG	1998	2000
GM	Chevrolet	K2500 O8600	PCM	1998	2000
GM	Chevrolet	K2500 U8600	ABS (4WAL)	1998	1999
GM	Chevrolet	K2500 U8600	TRANSFER CASE	1998	2000
GM	Chevrolet	K2500 U8600	ABS	2000	2000
GM	Chevrolet	K2500 U8600	AIRBAG	1998	2000
GM	Chevrolet	K2500 U8600	PCM	1998	2000
GM	Chevrolet	K2500 4WD	ABS (4WAL)	1991	1995
GM	Chevrolet	K2500 4WD	PCM	1993	1995
GM	Chevrolet	K2500 4WD	AIRBAG	1994	1995
GM	Chevrolet	K2500 4WD	ABS (RWAL)	1988	1994
GM	Chevrolet	K2500 4WD	ENGINE	1988	1993
GM	Chevrolet	K2500 4WD	TRANSMISSION	1992	1995
GM	Chevrolet	K30 4WD	ENGINE	1985	1986
GM	Chevrolet	K3500	ABS	2000	2000
GM	Chevrolet	K3500	AIRBAG	1999	2000
GM	Chevrolet	K3500	TRANSFER CASE	1999	2000
GM	Chevrolet	K3500	PCM	1999	2000
GM	Chevrolet	K3500	ABS (4WAL)	1999	1999
GM	Chevrolet	K3500 4WD	ABS (4WAL)	1996	1998
GM	Chevrolet	K3500 4WD	AIRBAG	1996	1998
GM	Chevrolet	K3500 4WD	TRANSFER CASE	1998	1998
GM	Chevrolet	K3500 4WD	PCM	1996	1998
GM	Chevrolet	K3500 4WD	TRANSMISSION	1992	1995
GM	Chevrolet	K3500 4WD	ABS (RWAL)	1988	1994
GM	Chevrolet	K3500 4WD	ENGINE	1988	1993
GM	Chevrolet	K3500 4WD	ABS (4WAL)	1991	1995
GM	Chevrolet	K3500 4WD	AIRBAG	1994	1995
GM	Chevrolet	K3500 4WD	PCM	1993	1995
GM	Chevrolet	Kodiak	ENGINE	1991	1992
GM	Chevrolet	Kodiak	PCM	1993	1997

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Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	Kodiak	TRANSMISSION	1994	1995
GM	Chevrolet	Lumina	PCM	1993	2002
GM	Chevrolet	Lumina	ABS VI	1992	1995
GM	Chevrolet	Lumina	ENGINE	1990	1992
GM	Chevrolet	Lumina	ABS	1996	2002
GM	Chevrolet	Lumina	AIRBAG	1994	2001
GM	Chevrolet	Lumina APV	ABS VI	1992	1995
GM	Chevrolet	Lumina APV	AIRBAG	1994	1996
GM	Chevrolet	Lumina APV	ABS	1996	1996
GM	Chevrolet	Lumina APV	ENGINE	1990	1992
GM	Chevrolet	Lumina APV	PCM	1993	1996
GM	Chevrolet	Luv 4X2	ENGINE	1984	1985
GM	Chevrolet	Luv 4X4	ENGINE	1984	1985
GM	Chevrolet	Malibu	ABS	1997	2003
GM	Chevrolet	Malibu	ABS/ETS	2000	2003
GM	Chevrolet	Malibu	ABS/ETS/VES	2000	2003
GM	Chevrolet	Malibu	PCM	1997	2003
GM	Chevrolet	Malibu	ABS/ETS/TIM/VES	2000	2003
GM	Chevrolet	Malibu	AIRBAG	1997	2002
GM	Chevrolet	Medium Duty	ENGINE/PCM	2003	2003
GM	Chevrolet	Medium Duty	PCM	2000	2003
GM	Chevrolet	Medium Duty	TRANSMISSION	2003	2003
GM	Chevrolet	Metro	ABS	1998	2000
GM	Chevrolet	Metro	ENGINE	1999	1999
GM	Chevrolet	Metro	ENGINE-OBDI	1998	2001
GM	Chevrolet	Metro	AIRBAG	1998	2000
GM	Chevrolet	Monte Carlo	ABS/TIM	2000	2003
GM	Chevrolet	Monte Carlo	AIRBAG	1995	2003
GM	Chevrolet	Monte Carlo	ABS	1996	1999
GM	Chevrolet	Monte Carlo	ABS/TCS/TIM	2000	2003
GM	Chevrolet	Monte Carlo	ENGINE	1984	1988
GM	Chevrolet	Monte Carlo	ABS/TCS/TIM/VES	2000	2003
GM	Chevrolet	Monte Carlo	ABS VI	1995	1995
GM	Chevrolet	Monte Carlo	PCM	1995	2003
GM	Chevrolet	P/G Comm	PCM	1995	1995
GM	Chevrolet	P/G Comm	TRANSMISSION	1995	1995
GM	Chevrolet	P10 Comm	ENGINE	1985	1986
GM	Chevrolet	P20 Comm	ENGINE	1985	1989
GM	Chevrolet	P30 Comm	TRANSMISSION	1995	1996
GM	Chevrolet	P30 Comm	PCM	1995	2000
GM	Chevrolet	P30 Comm	PCM	1993	1994
GM	Chevrolet	P30 Comm	TRANSMISSION	1992	1994
GM	Chevrolet	P30 Comm	ENGINE	1985	1992
GM	Chevrolet	Prizm	ABS	1998	2002
GM	Chevrolet	Prizm	ENGINE-OBDI	1998	1998
GM	Chevrolet	Prizm	ENGINE	1999	2002

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	Prizm	AIRBAG	2000	2000
GM	Chevrolet	R10 Pickup 2WD	ENGINE	1987	1987
GM	Chevrolet	R10 Pickup 2WD	ABS (RWAL)	1988	1988
GM	Chevrolet	R1500 2WD	ENGINE	1989	1991
GM	Chevrolet	R1500 2WD	ABS (RWAL)	1989	1991
GM	Chevrolet	R20 Pickup 2WD	ABS (RWAL)	1988	1988
GM	Chevrolet	R20 Pickup 2WD	ENGINE	1987	1987
GM	Chevrolet	R2500 2WD	ENGINE	1989	1991
GM	Chevrolet	R2500 2WD	ABS (RWAL)	1989	1991
GM	Chevrolet	R30 Pickup 2WD	ENGINE	1987	1987
GM	Chevrolet	R30 Pickup 2WD	ABS (RWAL)	1988	1988
GM	Chevrolet	R3500 2WD	ABS (RWAL)	1989	1991
GM	Chevrolet	R3500 2WD	ENGINE	1989	1991
GM	Chevrolet	S-10 2WD	AIRBAG	1996	2002
GM	Chevrolet	S-10 2WD	ENGINE	1984	1990
GM	Chevrolet	S-10 2WD	PCM	1996	2003
GM	Chevrolet	S-10 2WD	TRACTION ASSIST	2002	2003
GM	Chevrolet	S-10 2WD	ABS	2000	2003
GM	Chevrolet	S-10 2WD	ABS (4WAL)	1996	1999
GM	Chevrolet	S-10 2WD	ABS (RWAL)	1989	1990
GM	Chevrolet	S-10 4WD	ABS (4WAL)	1996	1999
GM	Chevrolet	S-10 4WD	ABS (RWAL)	1989	1990
GM	Chevrolet	S-10 4WD	TRANSFER CASE	1998	2003
GM	Chevrolet	S-10 4WD	ABS	2000	2003
GM	Chevrolet	S-10 4WD	PCM	1996	2003
GM	Chevrolet	S-10 4WD	AIRBAG	1996	2002
GM	Chevrolet	S-10 4WD	ENGINE	1984	1990
GM	Chevrolet	S10 Blazer 2WD	ABS (4WAL)	1995	1995
GM	Chevrolet	S10 Blazer 2WD	ABS (RWAL)	1995	1995
GM	Chevrolet	S10 Blazer 2WD	AIRBAG	1995	1995
GM	Chevrolet	S10 Blazer 2WD	PCM	1995	1995
GM	Chevrolet	S10 Blazer 4WD	AIRBAG	1995	1995
GM	Chevrolet	S10 Blazer 4WD	PCM	1995	1995
GM	Chevrolet	S10 Blazer 4WD	ABS (4WAL)	1995	1995
GM	Chevrolet	S10 2WD	ABS (4WAL)	1991	1995
GM	Chevrolet	S10 2WD	ABS (RWAL)	1991	1995
GM	Chevrolet	S10 2WD	AIRBAG	1994	1995
GM	Chevrolet	S10 2WD	TRANSMISSION	1993	1994
GM	Chevrolet	S10 2WD	ENGINE	1991	1992
GM	Chevrolet	S10 2WD	PCM	1993	1995
GM	Chevrolet	S10 4WD	TRANSMISSION	1993	1994
GM	Chevrolet	S10 4WD	ABS (4WAL)	1991	1995
GM	Chevrolet	S10 4WD	ABS (RWAL)	1991	1994
GM	Chevrolet	S10 4WD	AIRBAG	1994	1995
GM	Chevrolet	S10 4WD	ENGINE	1991	1992
GM	Chevrolet	S10 4WD	PCM	1993	1995

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	Silv O8600 GVW	AIRBAG	1999	1999
GM	Chevrolet	Silv O8600 GVW	PCM	1999	1999
GM	Chevrolet	Silv O8600 GVW	ABS (4WAL)	1999	1999
GM	Chevrolet	Silv U8600 GVW	PCM	1999	1999
GM	Chevrolet	Silv U8600 GVW	TRANSFER CASE	1999	1999
GM	Chevrolet	Silv U8600 GVW	ABS (4WAL)	1999	1999
GM	Chevrolet	Silv U8600 GVW	AIRBAG	1999	1999
GM	Chevrolet	Silv. 2500 HD	AIRBAG	2001	2003
GM	Chevrolet	Silv. 2500 HD	ABS	2001	2003
GM	Chevrolet	Silv. 2500 HD	PCM	2001	2003
GM	Chevrolet	Silv. 2500 HD	TRANSFER CASE	2001	2003
GM	Chevrolet	Silv. 2500 HD	TRANSMISSION	2001	2003
GM	Chevrolet	Silv. 2500 HD	TRACTION ASSIST	2001	2003
GM	Chevrolet	Silv. 3500 2WD	AIRBAG	2001	2001
GM	Chevrolet	Silv. 3500 2WD	TRACTION ASSIST	2001	2001
GM	Chevrolet	Silv. 3500 2WD	PCM	2001	2001
GM	Chevrolet	Silv. 3500 2WD	TRANSMISSION	2001	2001
GM	Chevrolet	Silv. 3500 2WD	ABS	2001	2001
GM	Chevrolet	Silv. 3500 4WD	TRANSMISSION	2001	2001
GM	Chevrolet	Silv. 3500 4WD	AIRBAG	2001	2001
GM	Chevrolet	Silv. 3500 4WD	ABS	2001	2001
GM	Chevrolet	Silv. 3500 4WD	TRANSFER CASE	2001	2001
GM	Chevrolet	Silv. 3500 4WD	PCM	2001	2001
GM	Chevrolet	Silverado	ABS	2002	2003
GM	Chevrolet	Silverado	AIRBAG	2002	2003
GM	Chevrolet	Silverado	TRANSFER CASE	2002	2003
GM	Chevrolet	Silverado	PCM	2002	2003
GM	Chevrolet	Silverado	TRACTION ASSIST	2002	2003
GM	Chevrolet	Silverado	TRANSMISSION	2002	2003
GM	Chevrolet	Silverado 2WD	AIRBAG	2000	2001
GM	Chevrolet	Silverado 2WD	PCM	2000	2001
GM	Chevrolet	Silverado 2WD	ABS	2000	2001
GM	Chevrolet	Silverado 2WD	TRACTION ASSIST	2000	2001
GM	Chevrolet	Silverado 4WD	AIRBAG	2000	2001
GM	Chevrolet	Silverado 4WD	TRANSFER CASE	2000	2001
GM	Chevrolet	Silverado 4WD	PCM	2000	2001
GM	Chevrolet	Silverado 4WD	ABS	2000	2001
GM	Chevrolet	Silverado SS	ABS	2003	2003
GM	Chevrolet	Silverado SS	TRANSFER CASE	2003	2003
GM	Chevrolet	Silverado SS	PCM	2003	2003
GM	Chevrolet	Silverado SS	TRACTION ASSIST	2003	2003
GM	Chevrolet	Silverado SS	AIRBAG	2003	2003
GM	Chevrolet	Spectrum	ENGINE	1987	1987
GM	Chevrolet	Sprint	AIRBAG	1990	1990
GM	Chevrolet	STL Tilt 67.2	ENGINE	1991	1992
GM	Chevrolet	STL Tilt 67.9	ENGINE	1992	1992

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	STL Tilt 67.9	TRANSMISSION	1994	1995
GM	Chevrolet	STL Tilt 67.9	PCM	1993	1997
GM	Chevrolet	STL Tilt 76.2	TRANSMISSION	1994	1995
GM	Chevrolet	STL Tilt 76.2	ENGINE	1991	1992
GM	Chevrolet	STL Tilt 76.2	PCM	1993	1997
GM	Chevrolet	Suburban 2WD	ABS (4WAL)	1999	1999
GM	Chevrolet	Suburban 2WD	TRACTION ASSIST	2001	2003
GM	Chevrolet	Suburban 2WD	ABS	2001	2003
GM	Chevrolet	Suburban 2WD	AIRBAG	1999	2003
GM	Chevrolet	Suburban 2WD	PCM	1999	2003
GM	Chevrolet	Suburban 4WD	ABS	2001	2003
GM	Chevrolet	Suburban 4WD	ABS (4WAL)	1999	1999
GM	Chevrolet	Suburban 4WD	AIRBAG	1999	2003
GM	Chevrolet	Suburban 4WD	PCM	1999	2003
GM	Chevrolet	Suburban 4WD	TRANSFER CASE	1999	2003
GM	Chevrolet	Suburban O8600	AIRBAG	2000	2000
GM	Chevrolet	Suburban O8600	TRACTION ASSIST	2000	2000
GM	Chevrolet	Suburban O8600	PCM	2000	2000
GM	Chevrolet	Suburban O8600	TRANSFER CASE	2000	2000
GM	Chevrolet	Suburban O8600	ABS	2000	2000
GM	Chevrolet	Suburban U8600	PCM	2000	2000
GM	Chevrolet	Suburban U8600	TRACTION ASSIST	2000	2000
GM	Chevrolet	Suburban U8600	TRANSFER CASE	2000	2000
GM	Chevrolet	Suburban U8600	ABS	2000	2000
GM	Chevrolet	Suburban U8600	AIRBAG	2000	2000
GM	Chevrolet	Suburban 2WD	ABS (RWAL)	1989	1990
GM	Chevrolet	Suburban 2WD	ENGINE	1987	1991
GM	Chevrolet	Suburban 4WD	ENGINE	1989	1991
GM	Chevrolet	Suburban 4WD	ABS (RWAL)	1989	1991
GM	Chevrolet	Tahoe 2WD	ABS	2000	2003
GM	Chevrolet	Tahoe 2WD	AIRBAG	1999	2003
GM	Chevrolet	Tahoe 2WD	TRACTION ASSIST	2000	2003
GM	Chevrolet	Tahoe 2WD	ABS (4WAL)	1999	1999
GM	Chevrolet	Tahoe 2WD	PCM	1999	2003
GM	Chevrolet	Tahoe 4WD	ABS	2000	2003
GM	Chevrolet	Tahoe 4WD	ABS (4WAL)	1999	1999
GM	Chevrolet	Tahoe 4WD	AIRBAG	1999	2003
GM	Chevrolet	Tahoe 4WD	PCM	1999	2003
GM	Chevrolet	Tahoe 4WD	TRANSFER CASE	1999	2003
GM	Chevrolet	Tracker	ENGINE-OBDDII	1998	1998
GM	Chevrolet	Tracker	AIRBAG	1998	2002
GM	Chevrolet	Tracker	ENGINE/PCM	1999	2003
GM	Chevrolet	Tracker	ABS	1998	2003
GM	Chevrolet	Trailblazer	ABS	2002	2003
GM	Chevrolet	Trailblazer	TRANSFER CASE	2002	2003
GM	Chevrolet	Trailblazer	PCM	2002	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Chevrolet	Trailblazer	AIRBAG	2002	2002
GM	Chevrolet	Trailblazer	TRACTION ASSIST	2002	2003
GM	Chevrolet	TrailblazerEXT	PCM	2003	2003
GM	Chevrolet	TrailblazerEXT	ABS	2003	2003
GM	Chevrolet	TrailblazerEXT	TRACTION ASSIST	2003	2003
GM	Chevrolet	V10 Pickup 4WD	ABS (RWAL)	1988	1988
GM	Chevrolet	V1500 4WD	ABS (RWAL)	1989	1991
GM	Chevrolet	V1500 4WD	ENGINE	1989	1991
GM	Chevrolet	V20 Pickup 4WD	ABS (RWAL)	1988	1988
GM	Chevrolet	V2500 4WD	ENGINE	1989	1991
GM	Chevrolet	V2500 4WD	ABS (RWAL)	1989	1991
GM	Chevrolet	V30 Pickup 4WD	ABS (RWAL)	1988	1988
GM	Chevrolet	V3500 4WD	ENGINE	1989	1991
GM	Chevrolet	V3500 4WD	ABS (RWAL)	1989	1991
GM	Chevrolet	Venture	ABS	1997	2003
GM	Chevrolet	Venture	ABS/TCS	2000	2003
GM	Chevrolet	Venture	PCM	1997	2003
GM	Chevrolet	Venture	AIRBAG	1997	2003
GM	Chevrolet	Venture	TCS	1997	1999
GM	Geo	Metro	ABS	1996	1997
GM	Geo	Metro	ENGINE-OBDDII	1996	1997
GM	Geo	Metro	AIRBAG	1990	1996
GM	Geo	Metro	ABS VI	1995	1995
GM	Geo	Prizm	ABS VI	1993	1995
GM	Geo	Prizm	ABS	1996	1997
GM	Geo	Prizm	ENGINE-OBDDII	1996	1997
GM	Geo	Tracker	AIRBAG	1996	1997
GM	Geo	Tracker	ENGINE-OBDDII	1996	1997
GM	Geo	Tracker	ABS	1991	1997
GM	GM of Canada	Acadian	ENGINE	1984	1987
GM	GM of Canada	Firefly	ABS VI	1995	1995
GM	GM of Canada	Firefly	ABS	1996	1998
GM	GM of Canada	Firefly	ENGINE-OBDDII	1996	1998
GM	GM of Canada	Firefly	AIRBAG	1990	1998
GM	GM of Canada	Optima	ENGINE	1988	1993
GM	GM of Canada	Sprint	AIRBAG	1993	1993
GM	GM of Canada	Sunburst	ENGINE	1988	1988
GM	GM of Canada	Tempest	ABS VI	1991	1994
GM	GM of Canada	Tempest	AIRBAG	1991	1994
GM	GM of Canada	Tempest	ENGINE	1987	1992
GM	GM of Canada	Tempest	PCM	1993	1994
GM	GMC	Bus Chassis	ENGINE	1989	1992
GM	GMC	Bus Chassis	PCM	1993	1997
GM	GMC	Bus Chassis	TRANSMISSION	1994	1995
GM	GMC	C15 2WD	ENGINE	1984	1986
GM	GMC	C1500	AIRBAG	1999	1999

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Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	C1500	ABS (4WAL)	1999	1999
GM	GMC	C1500	PCM	1999	1999
GM	GMC	C1500 2WD	ABS (4WAL)	1996	1998
GM	GMC	C1500 2WD	AIRBAG	1996	1998
GM	GMC	C1500 2WD	PCM	1996	1998
GM	GMC	C1500 2WD	AIRBAG	1994	1995
GM	GMC	C1500 2WD	PCM	1993	1995
GM	GMC	C1500 2WD	TRANSMISSION	1993	1995
GM	GMC	C1500 2WD	ABS (4WAL)	1991	1995
GM	GMC	C1500 2WD	ENGINE	1988	1992
GM	GMC	C1500 2WD	ABS (RWAL)	1988	1994
GM	GMC	C25 2WD	ENGINE	1985	1986
GM	GMC	C2500 2WD	PCM	1996	1997
GM	GMC	C2500 2WD	ABS (4WAL)	1996	1997
GM	GMC	C2500 2WD	AIRBAG	1996	1997
GM	GMC	C2500 ALT FUEL	ABS	2000	2000
GM	GMC	C2500 ALT FUEL	ABS (4WAL)	1998	1998
GM	GMC	C2500 ALT FUEL	AIRBAG	1998	2000
GM	GMC	C2500 O8600	PCM	1998	2000
GM	GMC	C2500 O8600	ABS	2000	2000
GM	GMC	C2500 O8600	AIRBAG	1998	2000
GM	GMC	C2500 O8600	ABS (4WAL)	1998	1999
GM	GMC	C2500 O8600	TRACTION ASSIST	2000	2000
GM	GMC	C2500 U8600	ABS	2000	2000
GM	GMC	C2500 U8600	AIRBAG	1998	2000
GM	GMC	C2500 U8600	TRACTION ASSIST	2000	2000
GM	GMC	C2500 U8600	ABS (4WAL)	1998	1999
GM	GMC	C2500 U8600	PCM	1998	2000
GM	GMC	C2500 2WD	ENGINE	1988	1993
GM	GMC	C2500 2WD	PCM	1993	1995
GM	GMC	C2500 2WD	TRANSMISSION	1992	1995
GM	GMC	C2500 2WD	ABS (RWAL)	1988	1994
GM	GMC	C2500 2WD	AIRBAG	1994	1995
GM	GMC	C2500 2WD	ABS (4WAL)	1991	1995
GM	GMC	C35 2WD	ENGINE	1985	1986
GM	GMC	C3500	ABS (4WAL)	1999	1999
GM	GMC	C3500	PCM	1999	2000
GM	GMC	C3500	TRACTION ASSIST	2000	2000
GM	GMC	C3500	ABS	2000	2000
GM	GMC	C3500	AIRBAG	1999	2000
GM	GMC	C3500 2WD	ABS (4WAL)	1996	1998
GM	GMC	C3500 2WD	PCM	1996	1998
GM	GMC	C3500 2WD	AIRBAG	1996	1998
GM	GMC	C3500 2WD	ENGINE	1988	1993
GM	GMC	C3500 2WD	PCM	1993	1995
GM	GMC	C3500 2WD	ABS (RWAL)	1988	1994

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	C3500 2WD	TRANSMISSION	1992	1995
GM	GMC	C3500 2WD	ABS (4WAL)	1991	1995
GM	GMC	C3500 2WD	AIRBAG	1994	1995
GM	GMC	Caballero	ENGINE	1986	1987
GM	GMC	Chassis Only	TRANSMISSION	1994	1995
GM	GMC	Chassis Only	ENGINE	1990	1992
GM	GMC	Chassis Only	PCM	1993	1997
GM	GMC	Conventional	ENGINE	1989	1990
GM	GMC	Envoy	ABS (4WAL)	1999	1999
GM	GMC	Envoy	TRACTION ASSIST	2002	2003
GM	GMC	Envoy	TRANSFER CASE	1999	2003
GM	GMC	Envoy	ABS	2000	2003
GM	GMC	Envoy	AIRBAG	1999	2002
GM	GMC	Envoy	PCM	1999	2003
GM	GMC	Envoy XL	ABS	2003	2003
GM	GMC	Envoy XL	TRACTION ASSIST	2003	2003
GM	GMC	Envoy XL	PCM	2003	2003
GM	GMC	FRWD Cont Chas	ENGINE	1989	1990
GM	GMC	FWRD Cont Chas	ENGINE	1990	1990
GM	GMC	G10 Van	ABS (4WAL)	1996	1996
GM	GMC	G10 Van	AIRBAG	1996	1996
GM	GMC	G10 Van	PCM	1996	1996
GM	GMC	G15 Van	ABS (RWAL)	1990	1995
GM	GMC	G15 Van	ENGINE	1984	1992
GM	GMC	G15 Van	AIRBAG	1994	1995
GM	GMC	G15 Van	PCM	1993	1995
GM	GMC	G15 Van	ABS (4WAL)	1991	1995
GM	GMC	G15 Van	TRANSMISSION	1993	1995
GM	GMC	G1500 Van	AIRBAG	1997	1998
GM	GMC	G1500 Van	ABS (4WAL)	1997	1998
GM	GMC	G1500 Van	PCM	1997	1998
GM	GMC	G20 Van	PCM	1996	1996
GM	GMC	G20 Van	ABS (4WAL)	1996	1996
GM	GMC	G20 Van	AIRBAG	1996	1996
GM	GMC	G25 Van	ABS (RWAL)	1990	1995
GM	GMC	G25 Van	TRANSMISSION	1992	1995
GM	GMC	G25 Van	ABS (4WAL)	1991	1995
GM	GMC	G25 Van	PCM	1993	1995
GM	GMC	G25 Van	AIRBAG	1994	1995
GM	GMC	G25 Van	ENGINE	1985	1993
GM	GMC	G2500 Van	PCM	1997	1998
GM	GMC	G2500 Van	AIRBAG	1997	1998
GM	GMC	G2500 Van	ABS (4WAL)	1997	1998
GM	GMC	G30 Van	ABS (4WAL)	1996	1996
GM	GMC	G30 Van	AIRBAG	1996	1996
GM	GMC	G30 Van	PCM	1996	1996

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	G35 Van	ABS (RWAL)	1990	1995
GM	GMC	G35 Van	ABS (4WAL)	1991	1995
GM	GMC	G35 Van	AIRBAG	1994	1995
GM	GMC	G35 Van	ENGINE	1985	1993
GM	GMC	G35 Van	PCM	1993	1995
GM	GMC	G35 Van	TRANSMISSION	1992	1995
GM	GMC	G3500 Van	AIRBAG	1997	1998
GM	GMC	G3500 Van	PCM	1997	1998
GM	GMC	G3500 Van	ABS (4WAL)	1997	1998
GM	GMC	Jimmy 2WD	ABS	2001	2003
GM	GMC	Jimmy 2WD	AIRBAG	1999	2002
GM	GMC	Jimmy 2WD	ABS (4WAL)	1999	1999
GM	GMC	Jimmy 2WD	PCM	1999	2003
GM	GMC	Jimmy 2WD	TRACTION ASSIST	2002	2003
GM	GMC	Jimmy 4WD	ABS	2001	2003
GM	GMC	Jimmy 4WD	AIRBAG	1999	2002
GM	GMC	Jimmy 4WD	TRANSFER CASE	1999	2003
GM	GMC	Jimmy 4WD	PCM	1999	2003
GM	GMC	Jimmy 4WD	ABS (4WAL)	1999	1999
GM	GMC	Jimmy 4X2	ENGINE	1987	1988
GM	GMC	Jimmy 4X2	AIRBAG	1996	1998
GM	GMC	Jimmy 4X2	PCM	1996	1998
GM	GMC	Jimmy 4X2	ABS (4WAL)	1996	1998
GM	GMC	Jimmy 4X4	ABS (4WAL)	1996	1998
GM	GMC	Jimmy 4X4	PCM	1996	1998
GM	GMC	Jimmy 4X4	TRANSFER CASE	1998	1998
GM	GMC	Jimmy 4X4	AIRBAG	1996	1998
GM	GMC	Jimmy 4X4	ENGINE	1987	1988
GM	GMC	Jimmy 2WD	PCM	1995	1995
GM	GMC	Jimmy 2WD	ABS (4WAL)	1995	1995
GM	GMC	Jimmy 2WD	ABS (RWAL)	1995	1995
GM	GMC	Jimmy 2WD	AIRBAG	1995	1995
GM	GMC	Jimmy 4WD	ABS (4WAL)	1995	1995
GM	GMC	Jimmy 4WD	AIRBAG	1995	1995
GM	GMC	Jimmy 4WD	PCM	1995	1995
GM	GMC	K-Blazer 2WD	ABS (RWAL)	1989	1991
GM	GMC	K-Blazer 2WD	ENGINE	1989	1991
GM	GMC	K-Blazer 4WD	ABS (RWAL)	1989	1991
GM	GMC	K-Blazer 4WD	ENGINE	1989	1991
GM	GMC	K15 4WD	ENGINE	1984	1986
GM	GMC	K1500	AIRBAG	1999	1999
GM	GMC	K1500	TRANSFER CASE	1999	1999
GM	GMC	K1500	ABS (4WAL)	1999	1999
GM	GMC	K1500	PCM	1999	1999
GM	GMC	K1500 4WD	PCM	1996	1998
GM	GMC	K1500 4WD	TRANSFER CASE	1998	1998

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	K1500 4WD	ABS (4WAL)	1996	1998
GM	GMC	K1500 4WD	AIRBAG	1996	1998
GM	GMC	K1500 4WD	ENGINE	1988	1992
GM	GMC	K1500 4WD	TRANSMISSION	1993	1995
GM	GMC	K1500 4WD	AIRBAG	1994	1995
GM	GMC	K1500 4WD	PCM	1993	1995
GM	GMC	K1500 4WD	ABS (4WAL)	1991	1995
GM	GMC	K1500 4WD	ABS (RWAL)	1988	1994
GM	GMC	K25 4WD	ENGINE	1985	1986
GM	GMC	K2500 4WD	ABS (4WAL)	1996	1997
GM	GMC	K2500 4WD	PCM	1996	1997
GM	GMC	K2500 4WD	AIRBAG	1996	1997
GM	GMC	K2500 O8600	PCM	1998	2000
GM	GMC	K2500 O8600	ABS	2000	2000
GM	GMC	K2500 O8600	AIRBAG	1998	2000
GM	GMC	K2500 O8600	TRANSFER CASE	1998	2000
GM	GMC	K2500 O8600	ABS (4WAL)	1998	1999
GM	GMC	K2500 U8600	ABS (4WAL)	1998	1999
GM	GMC	K2500 U8600	PCM	1998	2000
GM	GMC	K2500 U8600	ABS	2000	2000
GM	GMC	K2500 U8600	AIRBAG	1998	2000
GM	GMC	K2500 U8600	TRANSFER CASE	1998	2000
GM	GMC	K2500 4WD	AIRBAG	1994	1995
GM	GMC	K2500 4WD	PCM	1993	1995
GM	GMC	K2500 4WD	ABS (RWAL)	1988	1994
GM	GMC	K2500 4WD	ABS (4WAL)	1991	1995
GM	GMC	K2500 4WD	TRANSMISSION	1992	1995
GM	GMC	K2500 4WD	ENGINE	1988	1993
GM	GMC	K35 4WD	ENGINE	1985	1986
GM	GMC	K3500	AIRBAG	1999	2000
GM	GMC	K3500	TRANSFER CASE	1999	2000
GM	GMC	K3500	ABS	2000	2000
GM	GMC	K3500	ABS (4WAL)	1999	1999
GM	GMC	K3500	PCM	1999	2000
GM	GMC	K3500 4WD	AIRBAG	1996	1998
GM	GMC	K3500 4WD	ABS (4WAL)	1996	1998
GM	GMC	K3500 4WD	PCM	1996	1998
GM	GMC	K3500 4WD	TRANSFER CASE	1998	1998
GM	GMC	K3500 4WD	ABS (4WAL)	1991	1995
GM	GMC	K3500 4WD	ABS (RWAL)	1988	1994
GM	GMC	K3500 4WD	AIRBAG	1994	1995
GM	GMC	K3500 4WD	ENGINE	1988	1993
GM	GMC	K3500 4WD	TRANSMISSION	1992	1995
GM	GMC	K3500 4WD	PCM	1993	1995
GM	GMC	Medium Duty	PCM	2000	2003
GM	GMC	Medium Duty	ENGINE/PCM	2003	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	Medium Duty	TRANSMISSION	2003	2003
GM	GMC	P/G Comm	PCM	1995	1995
GM	GMC	P/G Comm	TRANSMISSION	1995	1995
GM	GMC	P15 Comm	ENGINE	1985	1986
GM	GMC	P25 Comm	ENGINE	1985	1989
GM	GMC	P35 Comm	PCM	1995	2000
GM	GMC	P35 Comm	TRANSMISSION	1995	1995
GM	GMC	P35 Comm	PCM	1993	1994
GM	GMC	P35 Comm	ENGINE	1985	1992
GM	GMC	P35 Comm	TRANSMISSION	1992	1994
GM	GMC	R10 Pickup 2WD	ABS (RWAL)	1988	1988
GM	GMC	R10 Pickup 2WD	ENGINE	1987	1987
GM	GMC	R1500 2WD	ABS (RWAL)	1989	1991
GM	GMC	R1500 2WD	ENGINE	1989	1991
GM	GMC	R20 Pickup 2WD	ABS (RWAL)	1988	1988
GM	GMC	R20 Pickup 2WD	ENGINE	1987	1987
GM	GMC	R2500 2WD	ENGINE	1989	1991
GM	GMC	R2500 2WD	ABS (RWAL)	1989	1991
GM	GMC	R30 Pickup 2WD	ENGINE	1987	1987
GM	GMC	R30 Pickup 2WD	ABS (RWAL)	1988	1988
GM	GMC	R3500 2WD	ABS (RWAL)	1989	1991
GM	GMC	R3500 2WD	ENGINE	1989	1991
GM	GMC	S15 2WD	TRANSMISSION	1993	1994
GM	GMC	S15 2WD	ABS (4WAL)	1991	1994
GM	GMC	S15 2WD	AIRBAG	1994	1994
GM	GMC	S15 2WD	ENGINE	1984	1992
GM	GMC	S15 2WD	PCM	1993	1994
GM	GMC	S15 2WD	ABS (RWAL)	1989	1994
GM	GMC	S15 4WD	TRANSMISSION	1993	1994
GM	GMC	S15 4WD	ABS (4WAL)	1991	1994
GM	GMC	S15 4WD	ABS (RWAL)	1989	1994
GM	GMC	S15 4WD	AIRBAG	1994	1994
GM	GMC	S15 4WD	ENGINE	1984	1992
GM	GMC	S15 4WD	PCM	1993	1994
GM	GMC	Safari AWD	PCM	1999	2003
GM	GMC	Safari AWD	TRANSFER CASE	1999	2003
GM	GMC	Safari AWD	ABS (4WAL)	1999	1999
GM	GMC	Safari AWD	AIRBAG	1999	2003
GM	GMC	Safari AWD	ABS	2000	2003
GM	GMC	Safari RWD	AIRBAG	1999	2003
GM	GMC	Safari RWD	PCM	1999	2003
GM	GMC	Safari RWD	ABS	2000	2003
GM	GMC	Safari RWD	ABS (4WAL)	1999	1999
GM	GMC	Safari Van	PCM	1993	1998
GM	GMC	Safari Van	ABS (4WAL)	1990	1998
GM	GMC	Safari Van	ABS (RWAL)	1989	1994

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	Safari Van	AIRBAG	1994	1998
GM	GMC	Safari Van	ENGINE	1985	1992
GM	GMC	Safari Van	TRANSMISSION	1993	1995
GM	GMC	Savana	PCM	1999	2003
GM	GMC	Savana	ALTERNATE FUEL	2003	2003
GM	GMC	Savana	AIRBAG	1999	2003
GM	GMC	Savana	ABS	2003	2003
GM	GMC	Savana	ABS (4WAL)	1999	2002
GM	GMC	Sier. O8600 GVW	ABS (4WAL)	1999	1999
GM	GMC	Sier. O8600 GVW	AIRBAG	1999	1999
GM	GMC	Sier. O8600 GVW	PCM	1999	1999
GM	GMC	Sier. U8600 GVW	AIRBAG	1999	1999
GM	GMC	Sier. U8600 GVW	PCM	1999	1999
GM	GMC	Sier. U8600 GVW	ABS (4WAL)	1999	1999
GM	GMC	Sier. U8600 GVW	TRANSFER CASE	1999	1999
GM	GMC	Sierra	TRANSFER CASE	2002	2003
GM	GMC	Sierra	ABS	2002	2003
GM	GMC	Sierra	PCM	2002	2003
GM	GMC	Sierra	AIRBAG	2002	2003
GM	GMC	Sierra	TRACTION ASSIST	2002	2003
GM	GMC	Sierra	TRANSMISSION	2002	2003
GM	GMC	Sierra 2500 HD	ABS	2001	2003
GM	GMC	Sierra 2500 HD	TRACTION ASSIST	2001	2003
GM	GMC	Sierra 2500 HD	TRANSMISSION	2001	2003
GM	GMC	Sierra 2500 HD	AIRBAG	2001	2003
GM	GMC	Sierra 2500 HD	TRANSFER CASE	2001	2003
GM	GMC	Sierra 2500 HD	PCM	2001	2003
GM	GMC	Sierra 2WD	AIRBAG	2000	2001
GM	GMC	Sierra 2WD	PCM	2000	2001
GM	GMC	Sierra 2WD	TRACTION ASSIST	2000	2001
GM	GMC	Sierra 2WD	ABS	2000	2001
GM	GMC	Sierra 2WD	TRANSMISSION	2001	2001
GM	GMC	Sierra 3500 HD	ABS	2001	2003
GM	GMC	Sierra 3500 HD	TRACTION ASSIST	2001	2003
GM	GMC	Sierra 3500 HD	AIRBAG	2001	2002
GM	GMC	Sierra 3500 HD	TRANSMISSION	2003	2003
GM	GMC	Sierra 3500 HD	PCM	2001	2003
GM	GMC	Sierra 4WD	PCM	2000	2001
GM	GMC	Sierra 4WD	TRANSFER CASE	2000	2001
GM	GMC	Sierra 4WD	TRANSMISSION	2001	2001
GM	GMC	Sierra 4WD	AIRBAG	2000	2001
GM	GMC	Sierra 4WD	ABS	2000	2001
GM	GMC	Sierra C3 AWD	AIRBAG	2001	2001
GM	GMC	Sierra C3 AWD	ABS	2001	2001
GM	GMC	Sierra C3 AWD	TRANSFER CASE	2001	2001
GM	GMC	Sierra C3 AWD	PCM	2001	2001

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	Sierra Denali	PCM	2002	2003
GM	GMC	Sierra Denali	ABS	2002	2003
GM	GMC	Sierra Denali	TRANSFER CASE	2002	2002
GM	GMC	Sierra Denali	AIRBAG	2002	2003
GM	GMC	Sonoma 2WD	ABS (4WAL)	1996	1999
GM	GMC	Sonoma 2WD	PCM	1996	2003
GM	GMC	Sonoma 2WD	TRACTION ASSIST	2002	2003
GM	GMC	Sonoma 2WD	AIRBAG	1996	2002
GM	GMC	Sonoma 2WD	ABS	2000	2003
GM	GMC	Sonoma 4WD	AIRBAG	1996	2002
GM	GMC	Sonoma 4WD	PCM	1996	2003
GM	GMC	Sonoma 4WD	ABS	2000	2003
GM	GMC	Sonoma 4WD	TRANSFER CASE	1998	2003
GM	GMC	Sonoma 4WD	ABS (4WAL)	1996	1999
GM	GMC	Sonoma 2WD	ABS (4WAL)	1995	1995
GM	GMC	Sonoma 2WD	AIRBAG	1995	1995
GM	GMC	Sonoma 2WD	ABS (RWAL)	1995	1995
GM	GMC	Sonoma 2WD	PCM	1995	1995
GM	GMC	Sonoma 4WD	PCM	1995	1995
GM	GMC	Sonoma 4WD	AIRBAG	1995	1995
GM	GMC	Sonoma 4WD	ABS (4WAL)	1995	1995
GM	GMC	STL Tilt 67.2	ENGINE	1991	1992
GM	GMC	STL Tilt 67.2	PCM	1993	1994
GM	GMC	STL Tilt 67.2	TRANSMISSION	1994	1994
GM	GMC	STL Tilt 67.9	ENGINE	1992	1992
GM	GMC	STL Tilt 67.9	TRANSMISSION	1994	1995
GM	GMC	STL Tilt 67.9	PCM	1993	1997
GM	GMC	STL Tilt 76.2	PCM	1993	1997
GM	GMC	STL Tilt 76.2	TRANSMISSION	1994	1995
GM	GMC	STL Tilt 76.2	ENGINE	1991	1992
GM	GMC	Suburban 2WD	AIRBAG	1999	2002
GM	GMC	Suburban 2WD	ABS (4WAL)	1999	1999
GM	GMC	Suburban 2WD	PCM	1999	2002
GM	GMC	Suburban 2WD	TRACTION ASSIST	2001	2002
GM	GMC	Suburban 2WD	ABS	2001	2002
GM	GMC	Suburban 4WD	ABS	2001	2002
GM	GMC	Suburban 4WD	TRANSFER CASE	1999	2002
GM	GMC	Suburban 4WD	ABS (4WAL)	1999	1999
GM	GMC	Suburban 4WD	AIRBAG	1999	2002
GM	GMC	Suburban 4WD	PCM	1999	2002
GM	GMC	Suburban O8600	AIRBAG	2000	2000
GM	GMC	Suburban O8600	PCM	2000	2000
GM	GMC	Suburban O8600	TRACTION ASSIST	2000	2000
GM	GMC	Suburban O8600	TRANSFER CASE	2000	2000
GM	GMC	Suburban O8600	ABS	2000	2000
GM	GMC	Suburban U8600	ABS	2000	2000

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	Suburban U8600	AIRBAG	2000	2000
GM	GMC	Suburban U8600	PCM	2000	2000
GM	GMC	Suburban U8600	TRACTION ASSIST	2000	2000
GM	GMC	Suburban 2WD	ENGINE	1987	1991
GM	GMC	Suburban 2WD	ABS (RWAL)	1989	1990
GM	GMC	Suburban 4WD	ABS (RWAL)	1989	1991
GM	GMC	Suburban 4WD	ENGINE	1989	1991
GM	GMC	Syclone	ABS (RWAL)	1991	1991
GM	GMC	Syclone	ENGINE	1991	1991
GM	GMC	Syclone	ABS (4WAL)	1991	1991
GM	GMC	Topkick	PCM	1993	1997
GM	GMC	Topkick	ENGINE	1991	1992
GM	GMC	Topkick	TRANSMISSION	1994	1995
GM	GMC	Typhoon	ABS (4WAL)	1991	1994
GM	GMC	V10 Pickup 4WD	ABS (RWAL)	1988	1988
GM	GMC	V1500 4WD	ABS (RWAL)	1989	1991
GM	GMC	V1500 4WD	ENGINE	1989	1991
GM	GMC	V20 Pickup 4WD	ABS (RWAL)	1988	1988
GM	GMC	V2500 4WD	ABS (RWAL)	1989	1991
GM	GMC	V2500 4WD	ENGINE	1989	1991
GM	GMC	V30 Pickup 4WD	ABS (RWAL)	1988	1988
GM	GMC	V3500 4WD	ABS (RWAL)	1989	1991
GM	GMC	V3500 4WD	ENGINE	1989	1991
GM	GMC	Yukon 2WD	ABS	2000	2003
GM	GMC	Yukon 2WD	PCM	1999	2003
GM	GMC	Yukon 2WD	TRACTION ASSIST	2000	2003
GM	GMC	Yukon 2WD	ABS (4WAL)	1999	1999
GM	GMC	Yukon 2WD	AIRBAG	1999	2003
GM	GMC	Yukon 4WD	ABS	2000	2003
GM	GMC	Yukon 4WD	TRANSFER CASE	1999	2003
GM	GMC	Yukon 4WD	ABS (4WAL)	1999	1999
GM	GMC	Yukon 4WD	AIRBAG	1999	2003
GM	GMC	Yukon 4WD	PCM	1999	2003
GM	GMC	Yukon Denali	ABS	2000	2003
GM	GMC	Yukon Denali	AIRBAG	1999	2003
GM	GMC	Yukon Denali	TRACTION ASSIST	2002	2003
GM	GMC	Yukon Denali	TRANSFER CASE	1999	2003
GM	GMC	Yukon Denali	ABS (4WAL)	1999	1999
GM	GMC	Yukon Denali	PCM	1999	2003
GM	GMC	Yukon XL 2WD	AIRBAG	2000	2003
GM	GMC	Yukon XL 2WD	PCM	2000	2003
GM	GMC	Yukon XL 2WD	TRACTION ASSIST	2000	2003
GM	GMC	Yukon XL 2WD	ABS	2000	2003
GM	GMC	Yukon XL 4WD	ABS	2000	2003
GM	GMC	Yukon XL 4WD	TRANSFER CASE	2000	2003
GM	GMC	Yukon XL 4WD	PCM	2000	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	GMC	Yukon XL 4WD	AIRBAG	2000	2003
GM	GMC	Yukon XL Denali	PCM	2002	2003
GM	GMC	Yukon XL Denali	TRACTION ASSIST	2002	2003
GM	GMC	Yukon XL Denali	AIRBAG	2002	2003
GM	GMC	Yukon XL Denali	ABS	2002	2003
GM	GMC	Yukon XL Denali	TRANSFER CASE	2002	2003
GM	Oldsmobile	88	ABS #1	1996	1996
GM	Oldsmobile	88	ABS #2	1996	1996
GM	Oldsmobile	88	AIRBAG	1996	1996
GM	Oldsmobile	88	PCM	1996	1996
GM	Oldsmobile	98	PCM	1993	1996
GM	Oldsmobile	98	POWERTRAIN #2	1995	1995
GM	Oldsmobile	98	ABS	1991	1993
GM	Oldsmobile	98	ABS #1	1994	1996
GM	Oldsmobile	98	ABS #2	1994	1996
GM	Oldsmobile	98	POWERTRAIN #1	1995	1995
GM	Oldsmobile	98	ABS TEVES II	1989	1990
GM	Oldsmobile	98	AIRBAG	1991	1996
GM	Oldsmobile	98	ENGINE	1984	1992
GM	Oldsmobile	Achieva	ABS	1996	1998
GM	Oldsmobile	Achieva	ABS VI	1992	1995
GM	Oldsmobile	Achieva	ENGINE	1992	1992
GM	Oldsmobile	Achieva	AIRBAG	1992	1998
GM	Oldsmobile	Achieva	PCM	1993	1998
GM	Oldsmobile	Alero	ABS/ETS	2000	2003
GM	Oldsmobile	Alero	AIRBAG	1999	2002
GM	Oldsmobile	Alero	PCM	1999	2003
GM	Oldsmobile	Alero	ABS/ETS/TIM/VES	2000	2003
GM	Oldsmobile	Alero	ABS	1999	2003
GM	Oldsmobile	Alero	ABS/ETS/TIM	2000	2000
GM	Oldsmobile	Alero	ABS/ETS/VES	2000	2003
GM	Oldsmobile	Aurora	ABS/TCS/TIM	2001	2003
GM	Oldsmobile	Aurora	POWERTRAIN #1	1995	1995
GM	Oldsmobile	Aurora	ABS #1	1995	1999
GM	Oldsmobile	Aurora	ABS/TIM	2001	2003
GM	Oldsmobile	Aurora	PCM	1996	2003
GM	Oldsmobile	Aurora	POWERTRAIN #2	1995	1995
GM	Oldsmobile	Aurora	ABS #2	1995	1999
GM	Oldsmobile	Aurora	ABS/TCS	2001	2003
GM	Oldsmobile	Aurora	AIRBAG	1995	2003
GM	Oldsmobile	Aurora	ABS	2001	2003
GM	Oldsmobile	Aurora	ABS/TCS/TIM/VSES	2001	2003
GM	Oldsmobile	Bravada	ABS (4WAL)	1992	1999
GM	Oldsmobile	Bravada	AIRBAG	1994	2002
GM	Oldsmobile	Bravada	ENGINE	1991	1992
GM	Oldsmobile	Bravada	TRANSFER CASE	1998	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Oldsmobile	Bravada	TRANSMISSION	1993	1994
GM	Oldsmobile	Bravada	PCM	1993	2003
GM	Oldsmobile	Bravada	ABS	2000	2003
GM	Oldsmobile	Bravada	ABS (RWAL)	1992	1994
GM	Oldsmobile	Bravada	TRACTION ASSIST	2002	2003
GM	Oldsmobile	Ciera	ABS	1996	1996
GM	Oldsmobile	Ciera	AIRBAG	1996	1996
GM	Oldsmobile	Ciera	PCM	1996	1996
GM	Oldsmobile	Custom Cruiser	AIRBAG	1992	1992
GM	Oldsmobile	Custom Cruiser	ENGINE	1984	1992
GM	Oldsmobile	Custom Cruiser	ABS	1991	1992
GM	Oldsmobile	Cutlass	ENGINE	1989	1989
GM	Oldsmobile	Cutlass	AIRBAG	1997	1999
GM	Oldsmobile	Cutlass	ABS	1997	1999
GM	Oldsmobile	Cutlass	PCM	1997	1999
GM	Oldsmobile	Cutlass Brougm	ENGINE	1988	1988
GM	Oldsmobile	Cutlass Calais	ENGINE	1985	1991
GM	Oldsmobile	Cutlass Calais	ABS VI	1991	1991
GM	Oldsmobile	Cutlass Ciera	PCM	1993	1995
GM	Oldsmobile	Cutlass Ciera	ENGINE	1984	1992
GM	Oldsmobile	Cutlass Ciera	ABS VI	1991	1995
GM	Oldsmobile	Cutlass Ciera	AIRBAG	1993	1995
GM	Oldsmobile	Cutlass Cruisr	PCM	1993	1995
GM	Oldsmobile	Cutlass Cruisr	ABS VI	1993	1995
GM	Oldsmobile	Cutlass Cruisr	AIRBAG	1993	1995
GM	Oldsmobile	Cutlass Supr	ABS VI	1992	1995
GM	Oldsmobile	Cutlass Supr	AIRBAG	1993	1997
GM	Oldsmobile	Cutlass Supr	PCM	1993	1997
GM	Oldsmobile	Cutlass Supr	ABS	1996	1997
GM	Oldsmobile	Cutlass Supr	ABS III	1989	1992
GM	Oldsmobile	Cutlass Supr	ENGINE	1984	1992
GM	Oldsmobile	Delta 88	AIRBAG	1991	1995
GM	Oldsmobile	Delta 88	PCM	1993	1995
GM	Oldsmobile	Delta 88	POWERTRAIN #1	1995	1995
GM	Oldsmobile	Delta 88	ENGINE	1984	1992
GM	Oldsmobile	Delta 88	POWERTRAIN #2	1995	1995
GM	Oldsmobile	Delta 88	ABS	1991	1993
GM	Oldsmobile	Delta 88	ABS #1	1994	1995
GM	Oldsmobile	Delta 88	ABS #2	1994	1995
GM	Oldsmobile	Delta 88	ABS TEVES II	1989	1990
GM	Oldsmobile	Eighty Eight	ABS #2	1997	1999
GM	Oldsmobile	Eighty Eight	AIRBAG	1997	1999
GM	Oldsmobile	Eighty Eight	PCM	1997	1999
GM	Oldsmobile	Eighty Eight	ABS #1	1997	1999
GM	Oldsmobile	Firenza	ENGINE	1984	1988
GM	Oldsmobile	Intrigue	ABS (DELCO VI)	1999	1999

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Oldsmobile	Intrigue	ABS/TCS/VES	2000	2002
GM	Oldsmobile	Intrigue	ABS/TCS/VSES	2000	2002
GM	Oldsmobile	Intrigue	ABS	1998	1998
GM	Oldsmobile	Intrigue	ABS/VES	2000	2002
GM	Oldsmobile	Intrigue	AIRBAG	1998	2002
GM	Oldsmobile	Intrigue	ABS (BOSCH)	1999	1999
GM	Oldsmobile	Intrigue	PCM	1998	2002
GM	Oldsmobile	LSS	PCM	1996	1999
GM	Oldsmobile	LSS	ABS	1997	1997
GM	Oldsmobile	LSS	ABS #2	1996	1999
GM	Oldsmobile	LSS	ABS #1	1996	1999
GM	Oldsmobile	LSS	AIRBAG	1996	1999
GM	Oldsmobile	Omega	ENGINE	1984	1984
GM	Oldsmobile	Regency	ABS #2	1997	1998
GM	Oldsmobile	Regency	AIRBAG	1997	1998
GM	Oldsmobile	Regency	PCM	1997	1998
GM	Oldsmobile	Regency	ABS #1	1998	1998
GM	Oldsmobile	Silhouette	AIRBAG	1999	2003
GM	Oldsmobile	Silhouette	TCS	1999	1999
GM	Oldsmobile	Silhouette	ABS/TCS	2000	2003
GM	Oldsmobile	Silhouette	PCM	1999	2003
GM	Oldsmobile	Silhouette	ABS	1999	2003
GM	Oldsmobile	Silhouette APV	ABS VI	1992	1995
GM	Oldsmobile	Silhouette APV	AIRBAG	1994	1997
GM	Oldsmobile	Silhouette APV	TCS	1997	1998
GM	Oldsmobile	Silhouette APV	PCM	1993	1998
GM	Oldsmobile	Silhouette APV	ABS	1996	1998
GM	Oldsmobile	Silhouette APV	ENGINE	1990	1992
GM	Oldsmobile	Toronado	AIRBAG	1990	1992
GM	Oldsmobile	Toronado	ENGINE	1984	1992
GM	Oldsmobile	Toronado	ABS	1991	1992
GM	Oldsmobile	Toronado	ABS TEVES II	1988	1990
GM	Pontiac	6000	ENGINE	1984	1991
GM	Pontiac	Aztek	AIRBAG	2001	2003
GM	Pontiac	Aztek	PCM	2001	2003
GM	Pontiac	Aztek	ABS/TCS/TPM	2001	2003
GM	Pontiac	Aztek	ABS/TPM	2001	2003
GM	Pontiac	Aztek	ABS	2001	2003
GM	Pontiac	Aztek	ABS/TCS	2001	2003
GM	Pontiac	Bonneville	ABS/TIM	2000	2003
GM	Pontiac	Bonneville	AIRBAG	1992	2003
GM	Pontiac	Bonneville	PCM	1993	2003
GM	Pontiac	Bonneville	POWERTRAIN #1	1995	1995
GM	Pontiac	Bonneville	ABS	1991	2003
GM	Pontiac	Bonneville	POWERTRAIN #2	1995	1995
GM	Pontiac	Bonneville	ABS #1	1994	1999

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Pontiac	Bonneville	ABS TEVES II	1989	1990
GM	Pontiac	Bonneville	ABS/TCS/TIM	2000	2003
GM	Pontiac	Bonneville	ABS #2	1994	1999
GM	Pontiac	Bonneville	ABS/TCS	2000	2003
GM	Pontiac	Bonneville	ABS/TCS/TIM/VSES	2000	2003
GM	Pontiac	Bonneville	ENGINE	1984	1992
GM	Pontiac	Fiero	ENGINE	1984	1988
GM	Pontiac	Firebird	ABS	1996	2002
GM	Pontiac	Firebird	ABS VI	1993	1994
GM	Pontiac	Firebird	PCM	1993	2002
GM	Pontiac	Firebird	POWERTRAIN (SLOW)	1986	1989
GM	Pontiac	Firebird	TRANSMISSION	1994	1994
GM	Pontiac	Firebird	ABS/TCS	2000	2002
GM	Pontiac	Firebird	AIRBAG	1990	2002
GM	Pontiac	Firebird	ABS/ETS	2000	2002
GM	Pontiac	Firebird	ENGINE	1984	1992
GM	Pontiac	Firebird	POWERTRAIN (FAST)	1986	1989
GM	Pontiac	Firebird/Conv	PCM	1995	1995
GM	Pontiac	Firebird/Conv	TRANSMISSION	1995	1995
GM	Pontiac	Firebird/Conv	ABS VI	1995	1995
GM	Pontiac	Firebird/Conv	AIRBAG	1992	1995
GM	Pontiac	Firebird/Conv	ENGINE	1992	1992
GM	Pontiac	Firefly	AIRBAG	1990	1990
GM	Pontiac	Formula	TRANSMISSION	1994	1994
GM	Pontiac	Formula	ABS VI	1993	1994
GM	Pontiac	Formula	AIRBAG	1993	1994
GM	Pontiac	Formula	PCM	1993	1994
GM	Pontiac	Formula/Conv	ABS VI	1995	1995
GM	Pontiac	Formula/Conv	AIRBAG	1995	1995
GM	Pontiac	Formula/Conv	PCM	1995	1995
GM	Pontiac	Formula/Conv	TRANSMISSION	1995	1995
GM	Pontiac	Grand Am	ABS	1996	2003
GM	Pontiac	Grand Am	AIRBAG	1992	2002
GM	Pontiac	Grand Am	ABS/ETS	2000	2003
GM	Pontiac	Grand Am	ABS/ETS/TIM	2000	2000
GM	Pontiac	Grand Am	PCM	1993	2003
GM	Pontiac	Grand Am	ABS VI	1991	1995
GM	Pontiac	Grand Am	ENGINE	1985	1992
GM	Pontiac	Grand Am	ABS/ETS/TIM/VES	2000	2003
GM	Pontiac	Grand Am	ABS/ETS/VES	2000	2003
GM	Pontiac	Grand Prix	ABS VI	1992	1995
GM	Pontiac	Grand Prix	AIRBAG	1994	2003
GM	Pontiac	Grand Prix	PCM	1993	2003
GM	Pontiac	Grand Prix	ABS III	1989	1992
GM	Pontiac	Grand Prix	ABS	1996	2003
GM	Pontiac	Grand Prix	ENGINE	1984	1992

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
GM	Pontiac	Lemans	ENGINE	1988	1993
GM	Pontiac	Montana	PCM	1999	2003
GM	Pontiac	Montana	TCS	1999	1999
GM	Pontiac	Montana	ABS	1999	2003
GM	Pontiac	Montana	AIRBAG	1999	2003
GM	Pontiac	Montana	ABS/TCS	2000	2003
GM	Pontiac	Parisienne	ENGINE	1984	1986
GM	Pontiac	Phoenix	ENGINE	1984	1984
GM	Pontiac	Safari	ENGINE	1987	1989
GM	Pontiac	Sunbird	ABS VI	1992	1994
GM	Pontiac	Sunbird	ENGINE	1984	1992
GM	Pontiac	Sunbird	PCM	1993	1994
GM	Pontiac	Sunfire	ABS	1996	2003
GM	Pontiac	Sunfire	ABS VI	1995	1995
GM	Pontiac	Sunfire	ABS/ETS	2000	2003
GM	Pontiac	Sunfire	AIRBAG	1995	2003
GM	Pontiac	Sunfire	PCM	1995	2003
GM	Pontiac	Sunfire Alt/F	ABS	2001	2002
GM	Pontiac	Sunfire Alt/F	ABS/ETS	2001	2002
GM	Pontiac	Sunfire Alt/F	ALTERNATE FUEL	2002	2002
GM	Pontiac	Sunfire Alt/F	AIRBAG	2001	2002
GM	Pontiac	Sunfire Alt/F	PCM	2001	2002
GM	Pontiac	T1000	ENGINE	1984	1987
GM	Pontiac	Trans Sprt APV	ABS VI	1992	1995
GM	Pontiac	Trans Sprt APV	AIRBAG	1994	1997
GM	Pontiac	Trans Sprt APV	ABS	1996	1998
GM	Pontiac	Trans Sprt APV	PCM	1993	1998
GM	Pontiac	Trans Sprt APV	ENGINE	1990	1992
GM	Pontiac	Trans Sprt APV	TCS	1997	1998
GM	Pontiac	Vibe	AIRBAG	2003	2003
GM	Pontiac	Vibe	ENGINE/TRANS	2003	2003
GM	Pontiac	Vibe	ABS	2003	2003
Jeep	Jeep	Cherokee	ENGINE	1991	2001
Jeep	Jeep	Cherokee	TRANSMISSION	1997	1999
Jeep	Jeep	Cherokee	ABS	1992	2001
Jeep	Jeep	Cherokee	AIRBAG	1999	2001
Jeep	Jeep	Cherokee	ENGINE-OBDI	1996	2001
Jeep	Jeep	Cherokee (RHD)	ABS	1995	1996
Jeep	Jeep	Cherokee (RHD)	ENGINE	1991	1998
Jeep	Jeep	Cherokee (RHD)	ENGINE-OBDI	1996	1998
Jeep	Jeep	Cherokee (RHD)	TRANSMISSION	1997	1998
Jeep	Jeep	Comanche	ENGINE	1991	1992
Jeep	Jeep	Grand Cherokee	ENGINE	1991	2003
Jeep	Jeep	Grand Cherokee	TRANSMISSION	1996	2003
Jeep	Jeep	Grand Cherokee	ABS	1993	2003
Jeep	Jeep	Grand Cherokee	AIRBAG	1999	2003

Appendix B: Vehicle Applications

Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Jeep	Jeep	Grand Cherokee	ENGINE-OBDDII	1996	2003
Jeep	Jeep	Grand Wagoneer	ENGINE	1991	1993
Jeep	Jeep	Liberty	TRANSMISSION	2002	2003
Jeep	Jeep	Liberty	AIRBAG	2002	2003
Jeep	Jeep	Liberty	ENGINE	2002	2003
Jeep	Jeep	Liberty	ABS	2002	2003
Jeep	Jeep	Liberty	ENGINE-OBDDII	2002	2003
Jeep	Jeep	Wrangler	ABS	1993	2003
Jeep	Jeep	Wrangler	AIRBAG	1999	2003
Jeep	Jeep	Wrangler	ENGINE	1991	2003
Jeep	Jeep	Wrangler	ENGINE-OBDDII	1997	2003
Jeep	Jeep	Wrangler	TRANSMISSION	2000	2001
Saturn	Saturn	Ion	ABS	2003	2003
Saturn	Saturn	Ion	ENGINE	2003	2003
Saturn	Saturn	Ion	TRANSMISSION	2003	2003
Saturn	Saturn	LS LW	ABS	2000	2001
Saturn	Saturn	LS LW	AIRBAG	2000	2003
Saturn	Saturn	LS LW	ENGINE	2000	2003
Saturn	Saturn	LS LW	TRANSMISSION	2002	2003
Saturn	Saturn	SC1	ABS	1996	1999
Saturn	Saturn	SC1	ENGINE	1996	1999
Saturn	Saturn	SC1	TRANSMISSION	1996	1999
Saturn	Saturn	SC1	AIRBAG	1996	1999
Saturn	Saturn	SC2	AIRBAG	1996	1999
Saturn	Saturn	SC2	ENGINE	1996	1999
Saturn	Saturn	SC2	TRANSMISSION	1996	1999
Saturn	Saturn	SC2	ABS	1996	1999
Saturn	Saturn	SL	AIRBAG	1996	1999
Saturn	Saturn	SL	ENGINE	1996	1999
Saturn	Saturn	SL	TRANSMISSION	1996	1998
Saturn	Saturn	SL	ABS	1996	1999
Saturn	Saturn	SL SC SW PCM	BASE DATA	1993	1995
Saturn	Saturn	SL SC SW	PCM I/O DATA	1995	1995
Saturn	Saturn	SL SC SW	TRANSAXLE	1993	1995
Saturn	Saturn	SL SC SW	ABS	1993	2002
Saturn	Saturn	SL SC SW	AIRBAG	1993	2002
Saturn	Saturn	SL SC SW	PCM FUEL/EMISS	1995	1995
Saturn	Saturn	SL SC SW	PCM IDLE DATA	1995	1995
Saturn	Saturn	SL SC SW	PCM SPARK DATA	1995	1995
Saturn	Saturn	SL SC SW	ABS VI	1994	1995
Saturn	Saturn	SL SC SW	ENGINE	1993	2002
Saturn	Saturn	SL SC SW	TRANSMISSION	2000	2002
Saturn	Saturn	SL SC	ABS	1991	1992
Saturn	Saturn	SL SC	AIRBAG	1992	1992
Saturn	Saturn	SL SC	TRANSAXLE	1991	1992
Saturn	Saturn	SL SC	ENGINE	1991	1992

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Manufacturer	Make	Carline	Computer Module Name	First Year	Last Year
Saturn	Saturn	SL1	AIRBAG	1996	1999
Saturn	Saturn	SL1	ABS	1996	1999
Saturn	Saturn	SL1	ENGINE	1996	1999
Saturn	Saturn	SL1	TRANSMISSION	1996	1999
Saturn	Saturn	SL2	AIRBAG	1996	1999
Saturn	Saturn	SL2	ENGINE	1996	1999
Saturn	Saturn	SL2	TRANSMISSION	1996	1999
Saturn	Saturn	SL2	ABS	1996	1999
Saturn	Saturn	SW1	AIRBAG	1996	1999
Saturn	Saturn	SW1	ENGINE	1996	1999
Saturn	Saturn	SW1	ABS	1996	1999
Saturn	Saturn	SW1	TRANSMISSION	1996	1999
Saturn	Saturn	SW2	ABS	1996	1999
Saturn	Saturn	SW2	ENGINE	1996	1999
Saturn	Saturn	SW2	TRANSMISSION	1996	1999
Saturn	Saturn	SW2	AIRBAG	1996	1999
Saturn	Saturn	VUE	ENGINE	2002	2003
Saturn	Saturn	VUE	TRANSMISSION	2002	2003
Saturn	Saturn	VUE	AIRBAG	2002	2003
Saturn	Saturn	VUE	ENGINE/PCM	2002	2002



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