



## MAZDA/FORD

### SNAP-ON SCAN TOOL VEHICLE IDENTIFICATION

**COMPLAINT:** When attempting to scan a Mazda vehicle equipped with Ford electronics, the scan tool indicates that no codes are stored even though the symptoms that are currently present obviously indicate that one or more codes *ARE* stored. The situation becomes more complex when it is realized that "data" is also not available.

**CAUSE:** As a result of vehicle model crossover, many of the Mazda car and truck models are actually FORD manufactured vehicles. Because of this, these Mazda vehicles will be equipped with Ford EEC-IV or EEC-V computers as well as domestic transmissions. Because of model crossover, identifying the vehicle as a Mazda to the scan tool, using the Asian Primary and Troubleshooter cartridges, will result in incorrect or no information from the scan tool.

*Examples of model crossover are: Mazda Navajo=Ford Explorer*

*Mazda "B" 2, 3 and 4000 Series Trucks=Ford Ranger*

*Mazda 626 or MX6=Ford Probe*

*Mazda Tribute=Ford Escape*

**CORRECTION:** When identifying one of these vehicles for purposes of codes and data retrieval, use the Domestic Primary and Troubleshooter cartridges, then, using the chart in figure 1 for vehicles that require 3 # digit "VIN" identification, and the chart in Figure 2 for vehicles that require 4 digit "VIN" identification, enter the appropriate "VIN" digits indicated in these charts which will now provide access to computer diagnostics.

**NOTE #1:** 1995 & Later Mazda "B" Series Trucks identified as a Ford Ranger will provide more live data when using **DOMESTIC** Primary and Troubleshooter cartridges.

**NOTE #2:** Remember to utilize the "GENERIC OBD-II" and "FREEZE FRAME" categories on 1995 and later OBD-II equipped vehicles.

| 6.1 VERSION & EARLIER (3 DIGIT ID) DOMESTIC PRIMARY CARTRIDGE |                 |                 |            |               |             |                    |                 |                 |
|---|-----------------|-----------------|------------|---------------|-------------|--------------------|-----------------|-----------------|
| MAZDA "VIN" NUMBERS   |                 |                 | YEAR MODEL | VEHICLE MODEL | ENGINE SIZE | FORD "VIN" NUMBERS |                 |                 |
| 10 <sup>th</sup>  | 4 <sup>th</sup> | 8 <sup>th</sup> |            |               |             | 10 <sup>th</sup>   | 5 <sup>th</sup> | 8 <sup>th</sup> |
| M   | C               | X               | 1991       | NAVAJO        | 4.0L        | M                  | U               | X               |
| N   | C               | X               | 1992       | NAVAJO        | 4.0L        | N                  | U               | X               |
| P   | C               | X               | 1993       | NAVAJO        | 4.0L        | P                  | U               | X               |
| R   | C               | X               | 1994       | NAVAJO        | 4.0L        | R                  | U               | X               |
| R   | C/D             | A               | 1994       | B2300         | 2.3L        | R                  | R               | A               |
| R   | C/D             | U               | 1994       | B3000         | 3.0L        | R                  | R               | U               |
| R   | C/D             | X               | 1994       | B4000         | 4.0L        | R                  | R               | X               |
| R   | G               | C               | 1994       | 626/MX6       | 2.0L        | R                  | T               | A               |
| S   | G               | C               | 1995       | 626/MX6       | 2.0L        | S                  | T               | A               |

Figure 1



# Technical Service Information

## MAZDA/FORD

### SNAP-ON SCAN TOOL VEHICLE IDENTIFICATION

#### 6.7 VERSION & LATER (4 DIGIT ID) DOMESTIC PRIMARY CARTRIDGE

| MAZDA "VIN" NUMBERS |                 |                 | YEAR MODEL | VEHICLE MODEL | ENGINE SIZE          | FORD "VIN" NUMBERS |                 |                 |                 |
|---------------------|-----------------|-----------------|------------|---------------|----------------------|--------------------|-----------------|-----------------|-----------------|
| 10 <sup>th</sup>    | 4 <sup>th</sup> | 8 <sup>th</sup> |            |               |                      | 10 <sup>th</sup>   | 2 <sup>nd</sup> | 5 <sup>th</sup> | 8 <sup>th</sup> |
| M                   | C               | X               | 1991       | NAVAJO        | 4.0L                 | M                  | F               | U               | X               |
| N                   | C               | X               | 1992       | NAVAJO        | 4.0L                 | N                  | F               | U               | X               |
| P                   | C               | X               | 1993       | NAVAJO        | 4.0L                 | P                  | F               | U               | X               |
| R                   | C               | X               | 1994       | NAVAJO        | 4.0L                 | R                  | F               | U               | X               |
| R                   | C/D             | A               | 1994       | B2300         | 2.3L                 | R                  | F               | R               | A               |
| R                   | C/D             | U               | 1994       | B3000         | 3.0L                 | R                  | F               | R               | U               |
| R                   | C/D             | X               | 1994       | B4000         | 4.0L                 | R                  | F               | R               | X               |
| 'R                  | G               | C               | 1994       | 626/MX6       | 2.0L                 | R                  | Z               | *T              | A               |
| S                   | G               | C               | 1995       | 626/MX6       | 2.0L                 | S                  | Z               | *T              | A               |
| S                   | C/D             | A               | 1995       | B2300         | 2.3L                 | S                  | F               | R               | A               |
| S                   | C/D             | U               | 1995       | B3000         | 3.0L                 | S                  | F               | R               | U               |
| S                   | C/D             | X               | 1995       | B4000         | 4.0L                 | S                  | F               | R               | X               |
| T                   | C/D             | A               | 1996       | B2300         | 2.3L                 | T                  | F               | R               | A               |
| T                   | C/D             | U               | 1996       | B3000         | 3.0L                 | T                  | F               | R               | U               |
| T                   | C/D             | X               | 1996       | B4000         | 4.0L                 | T                  | F               | R               | X               |
| V                   | C/D             | A               | 1997       | B2300         | 2.3L                 | V                  | F               | R               | A               |
| V                   | C/D             | U               | 1997       | B3000         | 3.0L                 | V                  | F               | R               | U               |
| V                   | C/D             | X               | 1997       | B4000         | 4.0L                 | V                  | F               | R               | X               |
| W                   | C/Y             | C               | 1998       | B2500         | 2.5L                 | W                  | F               | R               | C               |
| W                   | C/Y/Z           | U               | 1998       | B3000         | 3.0L                 | W                  | F               | R               | U               |
| W                   | C/Y/Z           | X               | 1998       | B4000         | 4.0L                 | W                  | F               | R               | X               |
| X                   | C/Y             | C               | 1999       | B2500         | 2.5L                 | X                  | F               | R               | C               |
| X                   | C               | U               | 1999       | B3000         | 3.0L                 | X                  | F               | R               | U               |
| X                   | Y/Z             | V               | 1999       | B3000         | 3.0L FF <sup>2</sup> | X                  | F               | R               | V               |
| X                   | C/D/Y/Z         | X               | 1999       | B4000         | 4.0L                 | X                  | F               | R               | X               |
| Y                   | C/Y             | C               | 2000       | B2500         | 2.5L                 | Y                  | F               | R               | C               |
| Y                   | C/Y/Z           | U               | 2000       | B3000         | 3.0L                 | Y                  | F               | R               | U               |
| Y                   | Y               | V               | 2000       | B3000         | 3.0L FF <sup>2</sup> | Y                  | F               | R               | V               |
| Y                   | C/Y/Z           | X               | 2000       | B4000         | 4.0L                 | Y                  | F               | R               | X               |
| 1                   | Y               | C               | 2001       | B2300         | 2.3L                 | 1                  | F               | R               | C               |
| 1                   | Y               | D               | 2001       | B2500         | 2.5L                 | 1                  | F               | R               | D               |
| 1                   | Y/Z             | U               | 2001       | B3000         | 3.0L                 | 1                  | F               | R               | U               |
| 1                   | Y/Z             | E               | 2001       | B4000         | 4.0L                 | 1                  | F               | R               | E               |

<sup>1</sup>When using a 6.7 or later version domestic primary cartridge, the 10th VIN digit will be used as is.

The 2nd, 5th and 8th VIN digits will be "ZTA" on all 2.0L equipped Mazda 626/mx6.

<sup>2</sup>FF = Flex Fuel

\*When using a '98 Domestic Primary Cartridge, use a "P" for the 5th digit for scan tool ID.

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Figure 2