



# Technical Service Information

## 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
<sup>1</sup> 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