

# CRUISE CONTROL SYSTEM - SELF DIAGNOSTIC

## 1991 Mazda Miata

1991-92 SAFETY EQUIPMENT  
Cruise Control Systems - Self-Diagnostic

B2200, B2600i, Miata, MPV (1992),  
MX-6, Protege, RX7, 323, 626, 929

NOTE: For RX7, only wiring diagram is available. See Fig. 33. For 1991 MPV, see CRUISE CONTROL SYSTEMS - MPV article. Information on MX-3 is not available from manufacturer.

### DESCRIPTION

A main switch is used to turn system on and off. A control switch, which controls SET, COAST, ACCEL and RESUME functions, is used to set or adjust desired speed.

System will not operate at speeds less than 25 MPH. If vehicle is equipped with an automatic overdrive transmission and speed drops 5 MPH less than set speed, control unit cancels or prevents OD transmission function.

When vehicle speed returns to within 2 MPH of set speed and remains there for 20 seconds, OD transmission function is restored. Brake application cancels cruise control function.

The control unit contains self-diagnostic capabilities. This function is activated through manipulation of the control switch(es). On 1992 929, codes can be retrieved from the CRUISE SET indicator light, located next to the main switch button. All models except 1992 929 require installation of a test light at cruise control unit connector. For diagnostic procedure, see SELF-DIAGNOSTIC INSPECTION under TROUBLE SHOOTING.

### OPERATION

#### MAIN SWITCH

Pressing the CRUISE/MAIN switch, located on the control stalk or dash, activates the cruise control system.

#### CONTROL SWITCH

The control switch is located on the control stalk or steering wheel. See Figs. 1-6. The main switch must be in ON position for the control switch to function. When SET is pressed and then released, desired speed is set in the memory of the control unit. To accelerate from a set cruising speed, turn control switch to ACCEL position or depress ACCEL button. When switch is released, the new higher speed will be set in the memory of the control unit.

When COAST switch function is activated, speed will be reduced. When switch is released, new lower speed will be set. If cruise control is overridden by means other than main switch, original speed can be resumed by activating RESUME function.

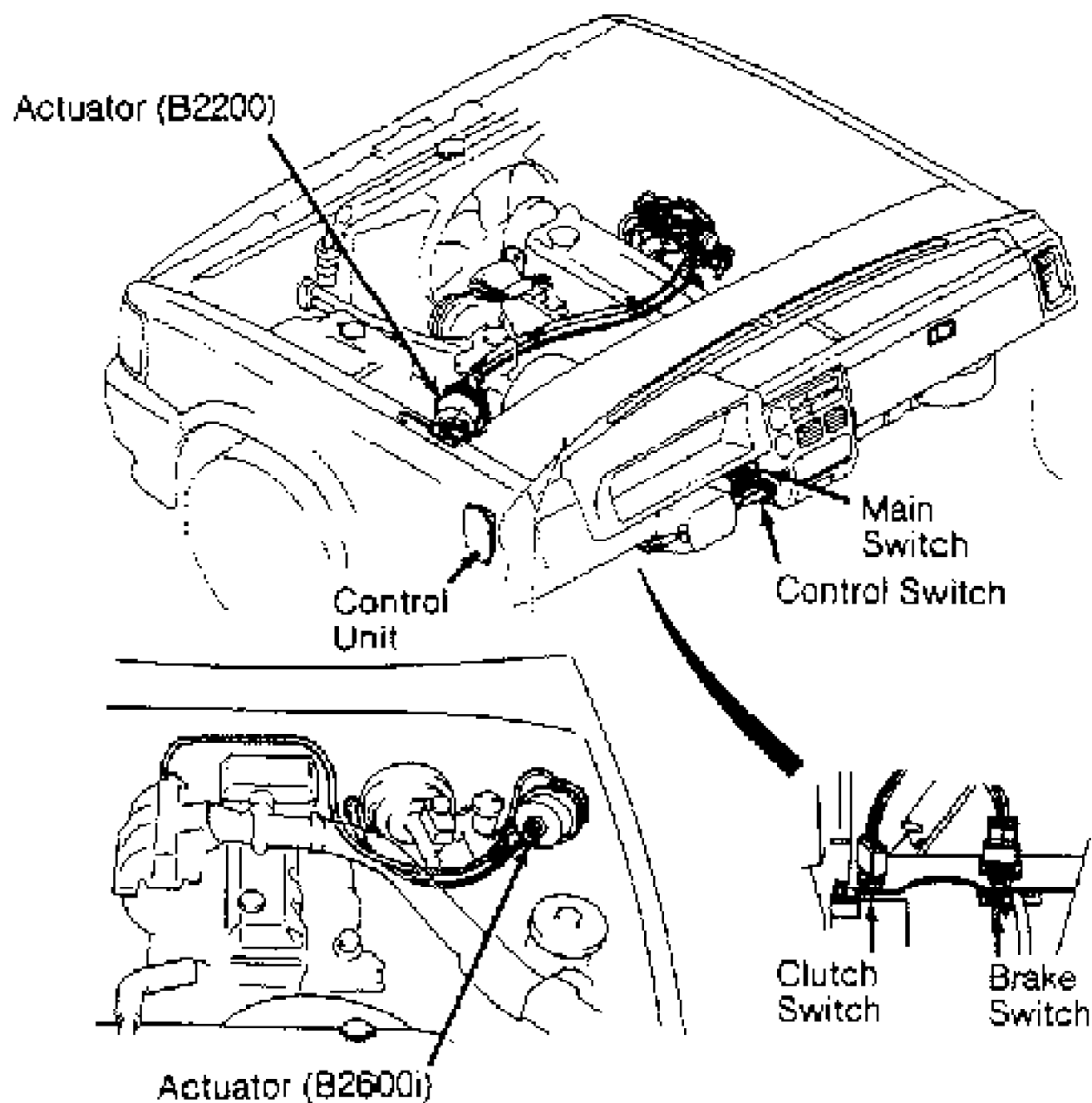


Fig. 1: Locating Cruise Control Components (B2200 & B2600i)  
Courtesy of Mazda Motors Corp.

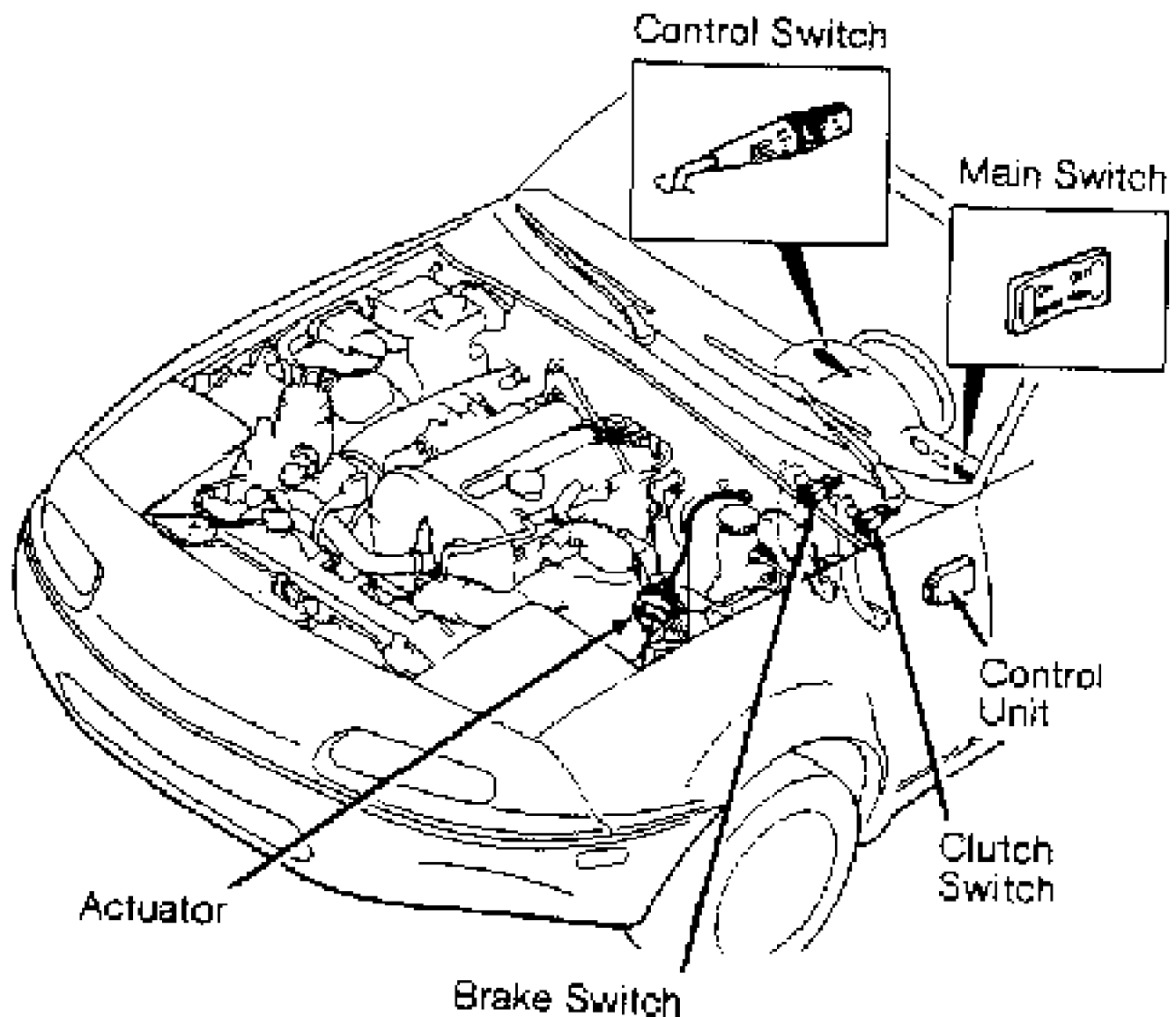
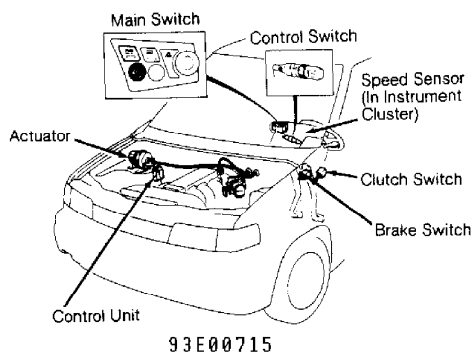


Fig. 2: Locating Cruise Control Components (Miata)  
 Courtesy of Mazda Motors Corp.



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Fig. 3: Locating Cruise Control Components (MPV)  
 Courtesy of Mazda Motors Corp.

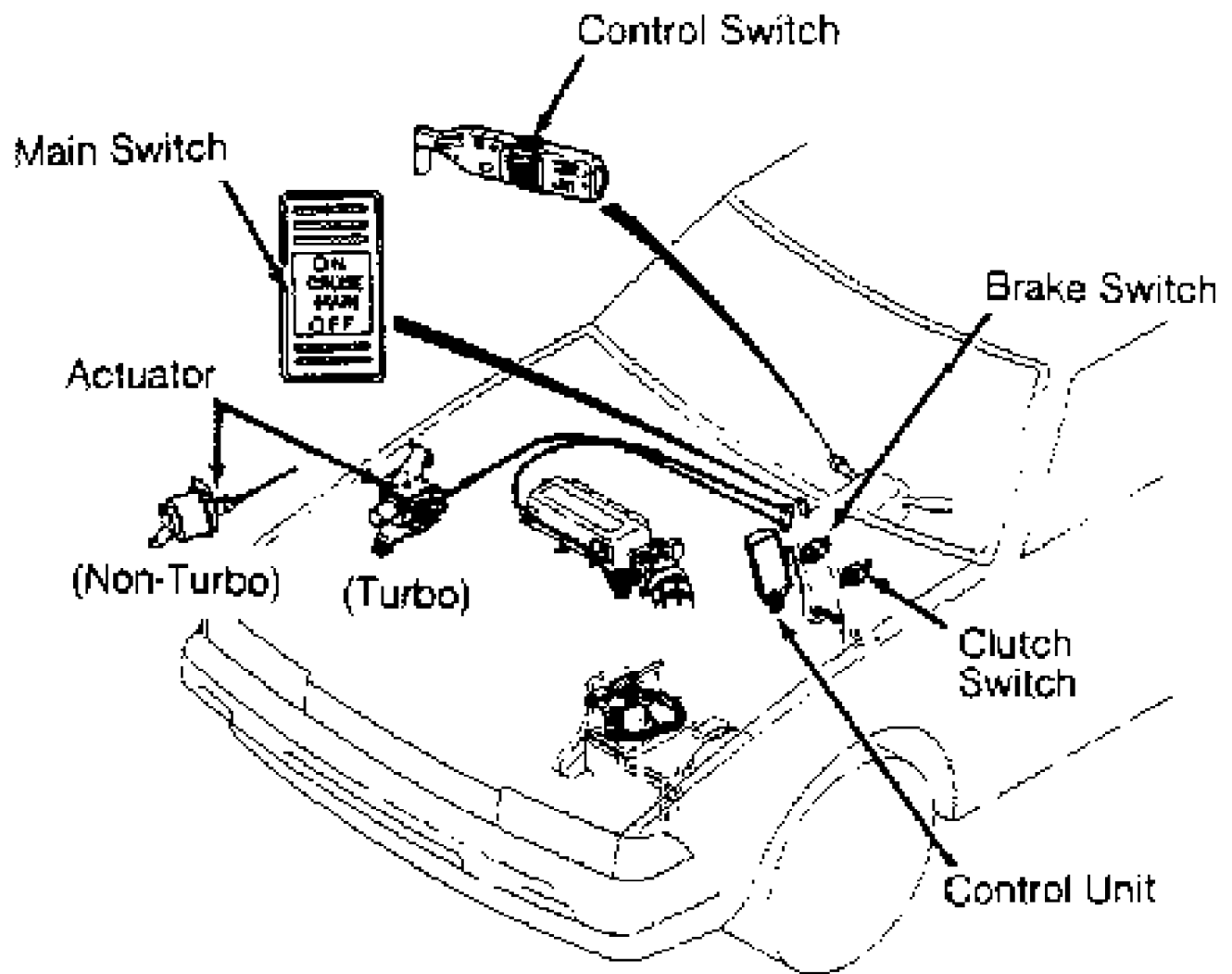


Fig. 4: Locating Cruise Control Components (MX-6 & 626)  
 Courtesy of Mazda Motors Corp.

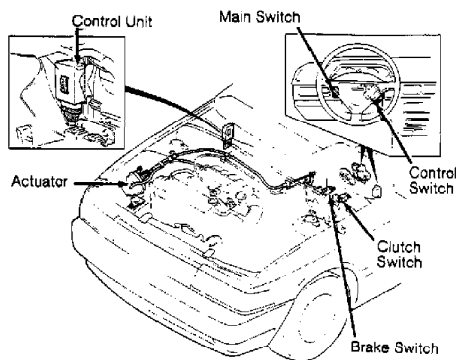


Fig. 5: Locating Cruise Control Components (Protege & 323)  
 Courtesy of Mazda Motors Corp.

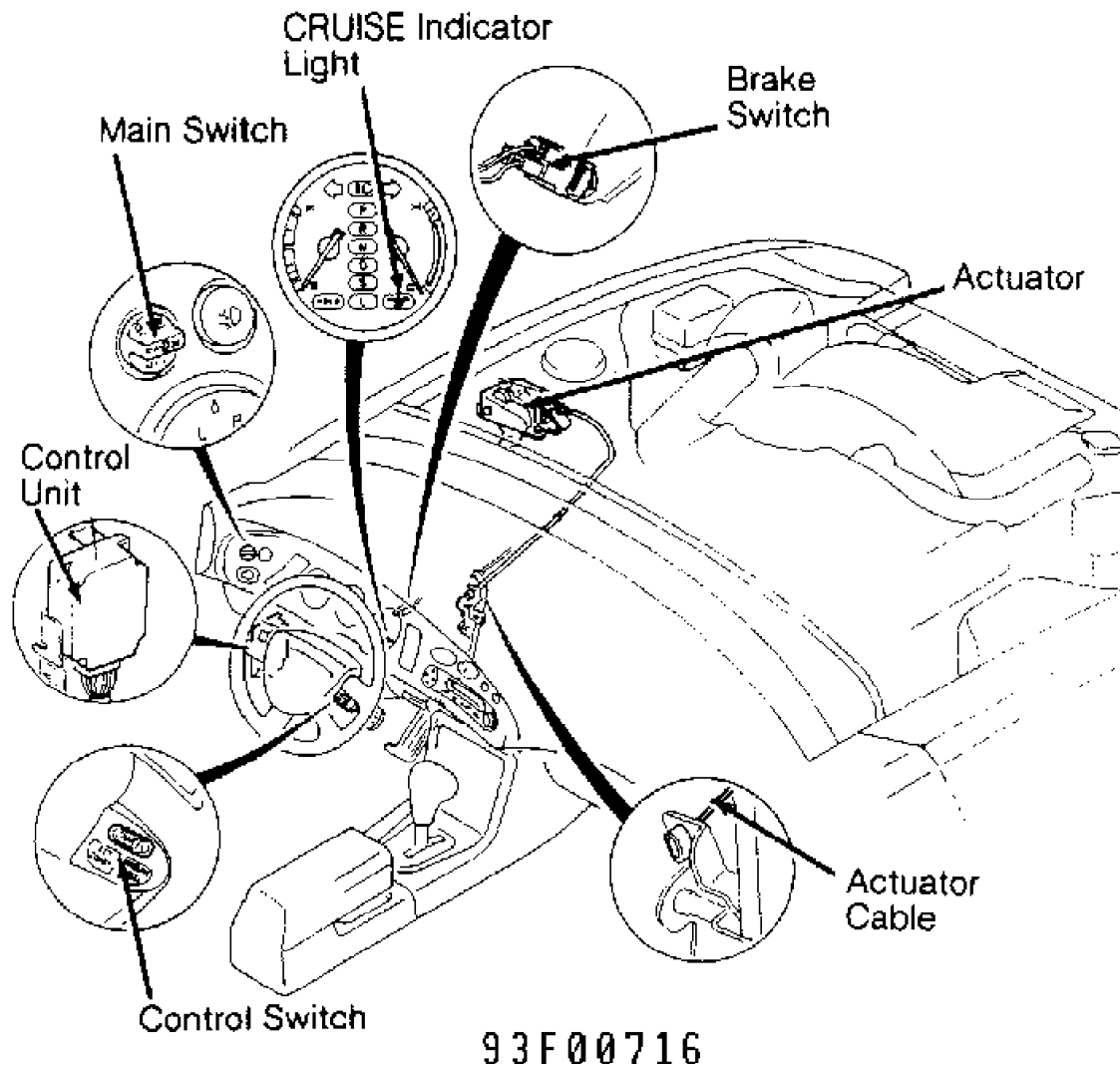


Fig. 6: Locating Cruise Control Components (1992 929 Shown; 1991 Similar)  
 Courtesy of Mazda Motors Corp.

## TROUBLE SHOOTING

### SYSTEM INOPERATIVE

Check for blown fuse and faulty main switch, control switch, speed sensor or actuator. Check for stop or clutch switch malfunction. Inspect wiring and grounds.

### SELF-DIAGNOSTIC INSPECTION

Self-diagnostic system can output 2 types of diagnostic information: fault codes, which indicate a fault in system, or

inspection codes, which are output signals indicating switch and circuit function. Information output is through CRUISE SET light (1992 929) or a test light connected to cruise control unit (except 1992 929). These codes are output using 2 different procedures. If vehicle is unable to set or control desired speed, complete self-diagnostic testing. After completing self-diagnostic testing, check individual components. For Protege, 323 and 929, refer to trouble shooting flow chart. See Fig. 7. For B2200, B2600i, Miata, MPV, MX-6 and 626, perform tests in following order.

- \* Cruise Control Main Switch
- \* Control Unit
- \* Brake Switch
- \* Clutch Switch
- \* Cruise Control Switch
- \* Actuator
- \* Speed Sensor

See COMPONENT TESTING for testing procedures.

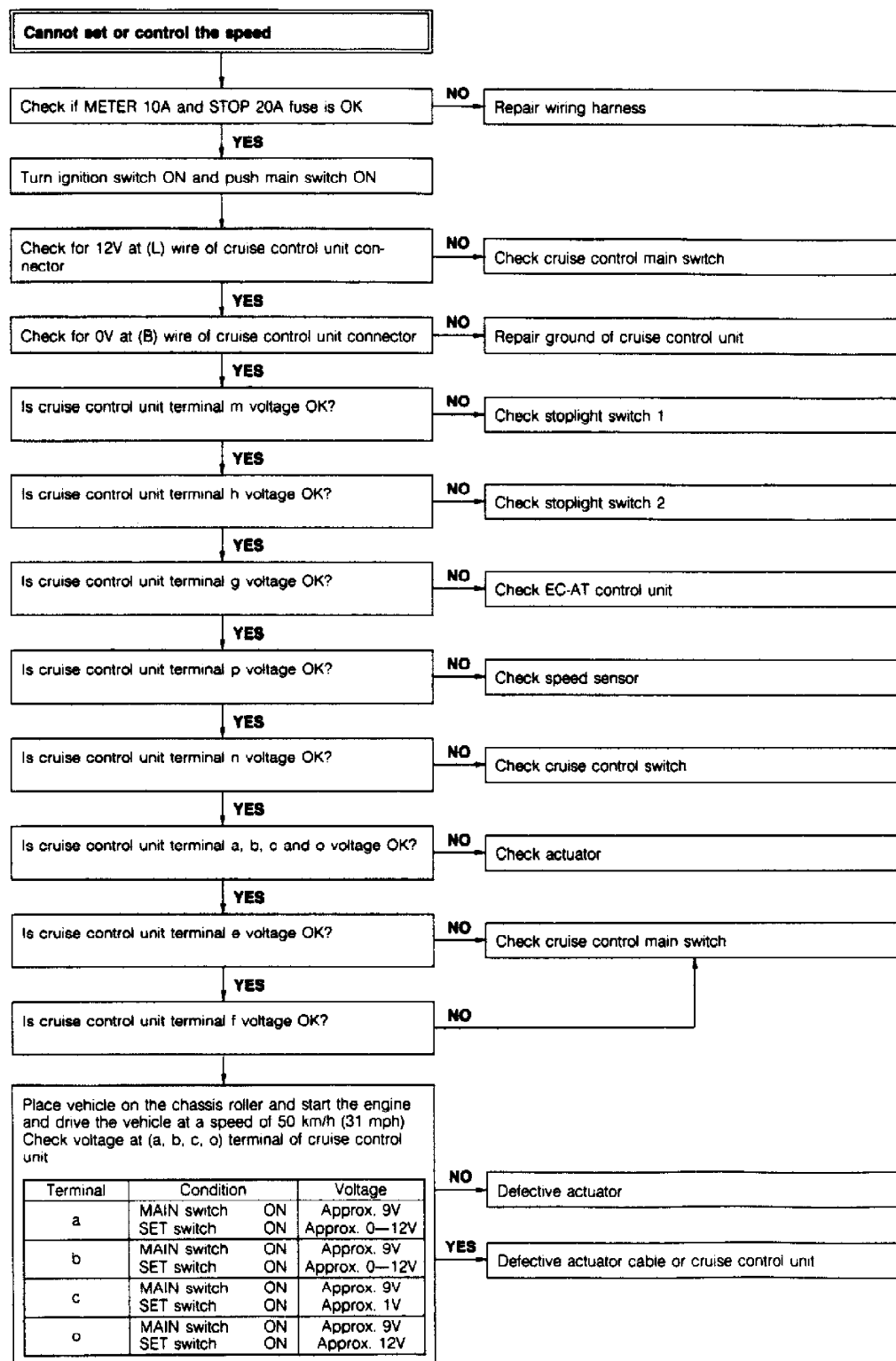


Fig. 7: Trouble Shooting Flow Chart (Protege, 323 & 929)  
Courtesy of Mazda Motors Corp.

## RETRIEVING CODES

#### Test Light Installation

Backprobe cruise control unit connector using a 1.4-watt test light between terminals "D" and "S" on MX-6, 626 and 1991 929 and terminals "D" and "F" on B2200, B2600i, Miata, MPV, Protege and 323. See Fig. 8 or 9.

NOTE: 1992 929 codes are output through CRUISE SET light.

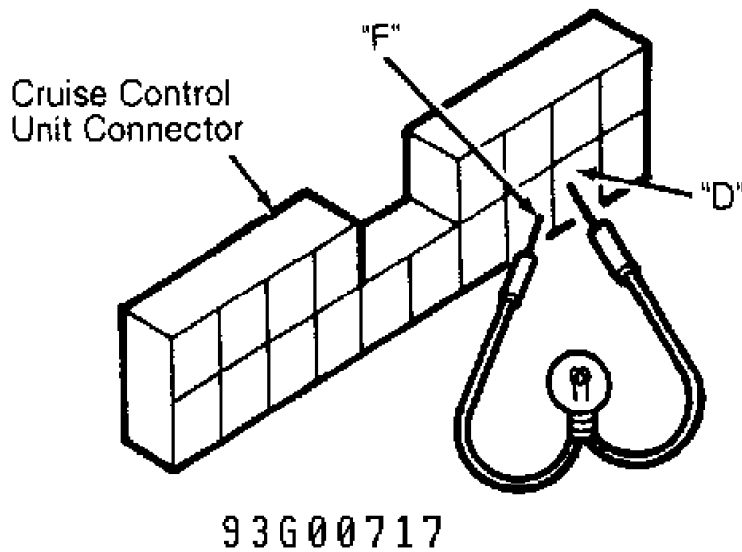


Fig. 8: Installing Test Light (B2200, B2600i, Miata, MPV, Protege and 323)  
Courtesy of Mazda Motors Corp.

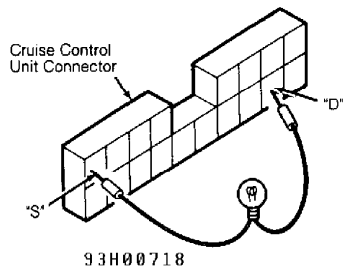


Fig. 9: Installing Test Light (MX-6, 626 & 1991 929)  
Courtesy of Mazda Motors Corp.

#### Fault Codes

- 1) Install test light. Turn ignition switch to ON position.

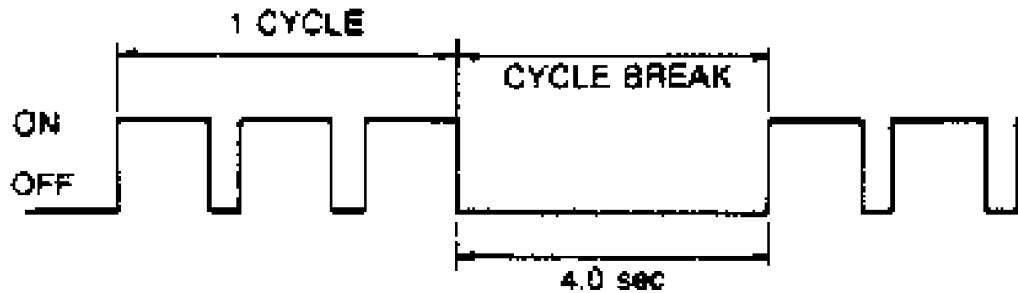


Push cruise control MAIN switch and ensure MAIN indicator light is on.

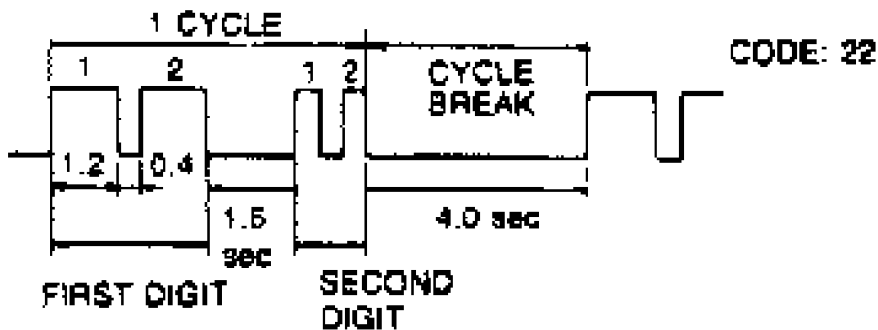
2) Turn or move cruise control switch to RESUME/ACCEL, or push RESUME/ACCEL button, and hold for more than 3 seconds. Release lever or button. Ensure test light glows for 3 seconds and then goes off for 2 seconds (start signal). Self-diagnostics is now activated; fault codes will be output by flashes of test light or CRUISE SET light. See Fig. 10.

3) Record code numbers, and refer to fault code chart. See Fig. 11. Fault codes are output in numerical order. If a fault is not recorded, test light will not flash.

4) To exit fault code diagnostic mode, drive vehicle at a speed greater than 10 MPH or push MAIN switch button to OFF position. Ensure MAIN indicator light goes off.



CYCLE BREAK (LIGHT OFF 4 SECONDS)



FAULT CODE DIAGRAM

Fig. 10: Reading Code Output Diagrams  
Courtesy of Mazda Motors Corp.

















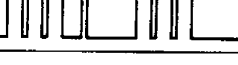





Pattern of output signal (Test light)	Code No.	Possible Cause	Action
ON  OFF 	01	Defective wiring (Actuator—Cruise control unit, Stoplight switch—Cruise control unit) Defective actuator  Defective stoplight switch (For cruise control)	Repair wiring harness  Inspect actuator  Inspect stoplight switch
ON  OFF 	05	STOP fuse blown Defective wiring (Fuse — Cruise control unit)	Replace fuse Repair wiring harness
ON  OFF 	07	Both stoplight switches (for vehicle and cruise control) are ON simultaneously	Inspect stoplight switches
ON  OFF 	11	Defective SET/COAST, or RESUME/ACCEL switch	Inspect cruise control switch
ON  OFF 	15	Defective cruise control unit	Go to troubleshooting

Fig. 11: Fault Code Chart  
Courtesy of Mazda Motors Corp.

#### Inspection Codes

1) Install test light. See Fig. 8 or 9. Turn ignition switch to ON position. Ensure MAIN switch is in OFF position and MAIN indicator light is off.

2) Simultaneously turn or move RESUME/ACCEL switch and push MAIN switch to ON position. Ensure MAIN indicator light comes on. Inspection function is now operating. Operate cruise control switches. Test light will flash codes if system is operating properly; if light fails to flash a code, inspect system as described in inspection code chart. See Fig. 12.

Procedure	Pattern of output signal (CRUISE Indicator lamp)	Code No.	Action to inspect
Press SET button	ON  OFF 	21	Inspect cruise control switch
Move control lever downward to COAST position	ON  OFF 	22	Inspect cruise control switch
Move control lever upward to RESUME position	ON  OFF 	23	Inspect cruise control switch
Depress brake pedal	ON  OFF 	31	Inspect stoplight switches
Turn ignition switch to ON and shift the selector lever to P or N range (For A/T). Depress clutch pedal (For M/T)	ON  OFF 	35	Inspect inhibitor switch or clutch switch
Drive vehicle above 40 km/h (25 mph)	ON  OFF 	37	Inspect speed sensor or wire harness

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Fig. 12: Inspection Code Chart  
Courtesy of Mazda Motors Corp.

ADJUSTMENTS

ACTUATOR INNER CABLE FREE PLAY

When cable is pressed lightly, free play should be as specified. See ACTUATOR INNER CABLE FREE PLAY SPECIFICATIONS table. To adjust free play, remove cable clip and turn adjusting nut. See Fig. 13. Repeat procedure until free play is within specification.

ACTUATOR INNER CABLE FREE PLAY SPECIFICATIONS

Application	In. (mm)
B2200, B2600i, Miata, MPV, MX-6 & 626	.039-.118 (1.00-3.00)
Protege, 323 & 929	.039-.197 (1.00-5.00)

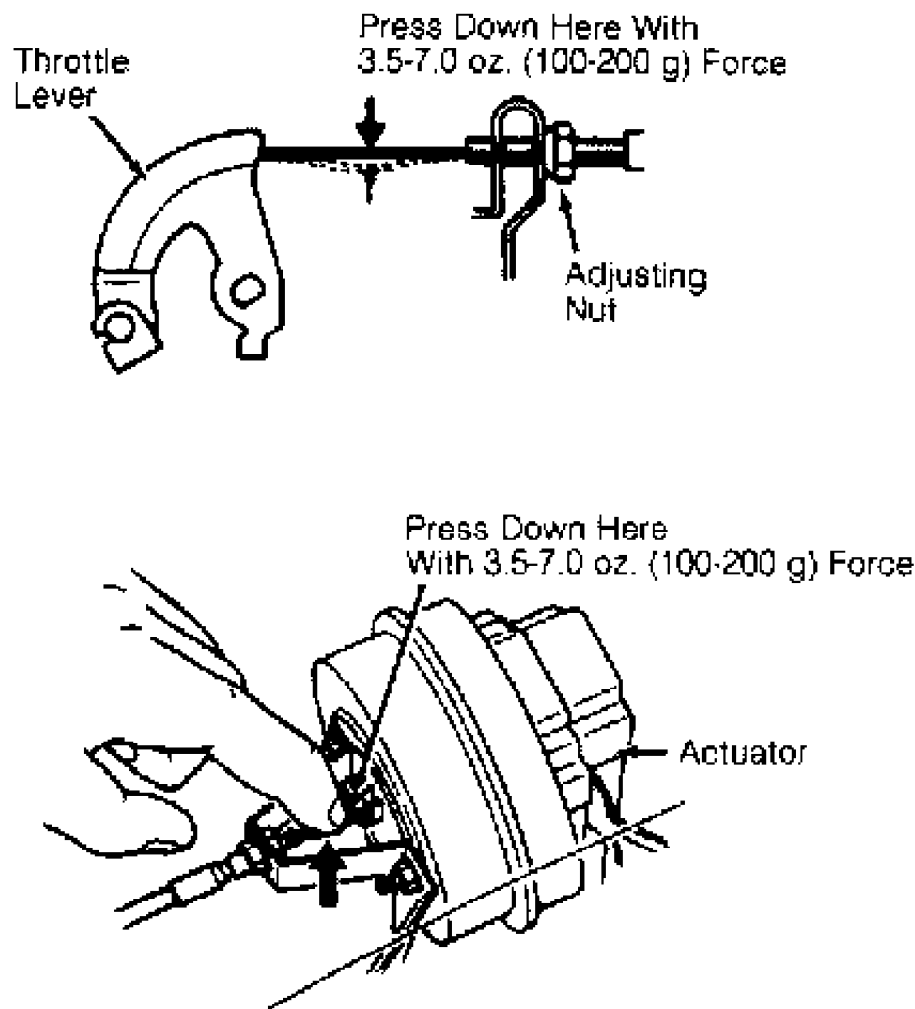


Fig. 13: Adjusting Actuator Inner Cable Free Play  
Courtesy of Mazda Motors Corp.

BRAKE & CLUTCH SWITCHES

Adjust switch so distance between tip of pedal to carpeting against firewall is within specification. See BRAKE PEDAL HEIGHT or CLUTCH PEDAL HEIGHT table. See Fig. 14.

BRAKE PEDAL HEIGHT

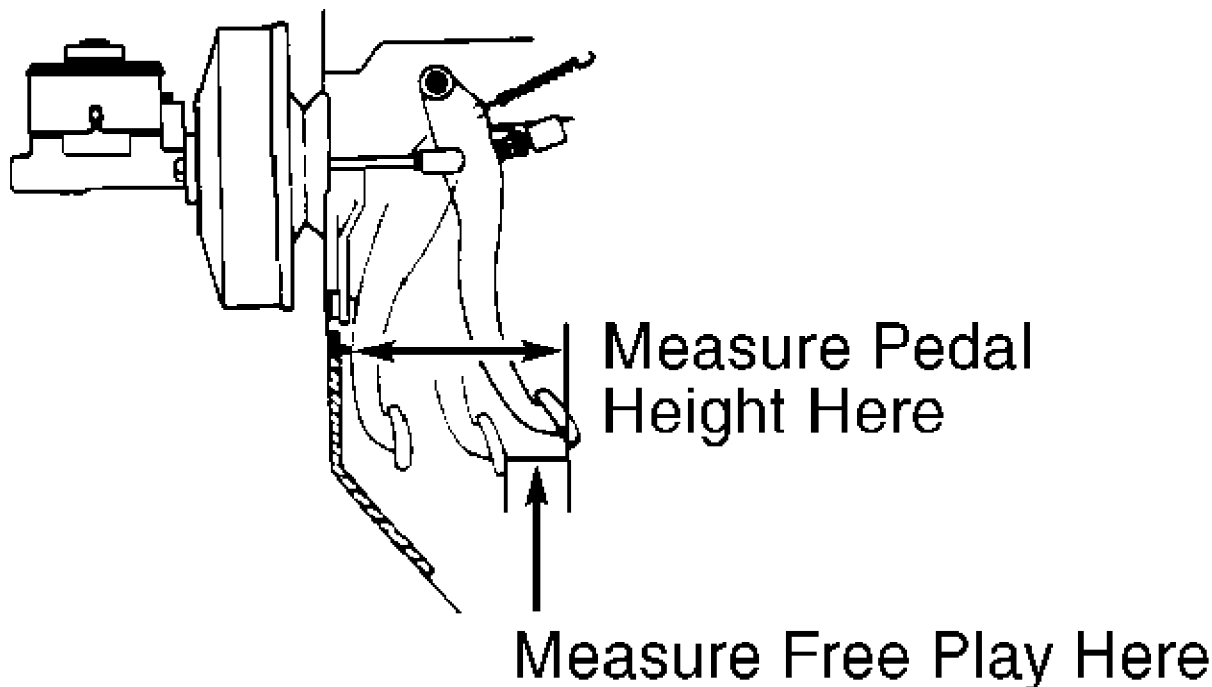
Application		(1) In. (mm)
B2200 & B2600i .....	7.09-7.28	(180.0-185.0)
Miata .....	7.60-7.72	(193.0-196.0)
MPV .....	8.74-8.94	(222.0-227.0)
MX-6, 626 & 929 .....	6.73-7.13	(170.0-181.0)
Protege & 323 .....	7.60-7.72	(193.0-196.0)

(1) - Measurement is with carpet.

CLUTCH PEDAL HEIGHT

Application		(1) In. (mm)
B2200 .....	7.13-7.52	(181-191)
B2600i .....	7.52-7.91	(191.0-200.0)
Miata .....	6.89-7.28	(175.0-185.0)
MPV .....	8.19-8.58	(208.0-218.0)
MX-6 & 626 .....	6.73-7.13	(170.0-181.0)
Protege & 323 .....	7.72-8.03	(196.0-204.0)

(1) - Measurement is with carpet.



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Fig. 14: Adjusting Brake & Clutch Switches  
 Courtesy of Mazda Motors Corp.

## ACTUATOR

### Continuity/Resistance Tests

Using an ohmmeter, measure continuity or resistance between actuator connector terminals. See Fig. 15. Continuity or resistance should be as specified. See ACTUATOR CONTINUITY/RESISTANCE SPECIFICATIONS table. If any circuits are not to specification, replace actuator. If circuits are okay, perform voltage tests.

### ACTUATOR CONTINUITY/RESISTANCE SPECIFICATIONS

Application	Specification
B2200	
Between Terminals	
"C" & "A" .....	60 Ohms
"C" & "B" .....	23 Ohms
"C" & "D" .....	60 Ohms
B2600i	
Between Terminals	
"C" & "A" .....	55 Ohms
"C" & "B" .....	23 Ohms
"C" & "D" .....	30 Ohms
Miata, MPV, MX-6 Non-Turbo, Protege, 323 & 626 Non-Turbo	
Between Terminals	
"C" & "A" .....	23-55 Ohms
"C" & "B" .....	23-55 Ohms
"C" & "D" .....	23-55 Ohms
MX-6 Turbo & 626 Turbo	
Between Terminals	
"C" & "A" .....	20 Ohms
"C" & "B" .....	Continuity
"C" & "D" .....	Continuity
929 (1991)	
Between Terminals	
"A" & "C" .....	Continuity
"B" & "D" .....	Continuity
929 (1992)	
Between Terminals	
"A" & "B" .....	Continuity
"C" & "D" .....	Continuity

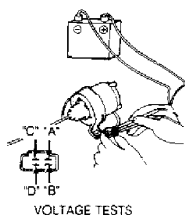
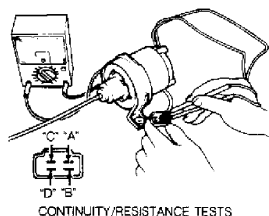


Fig. 15: Testing Actuator Continuity, Resistance & Voltage  
Courtesy of Mazda Motors Corp.

### Voltage Tests

Connect battery voltage and ground to specified terminals and observe actuator arm. See Fig. 15. If actuator arm does not function as specified, replace actuator.

### ACTUATOR VOLTAGE TESTING SPECIFICATIONS

Application	Actuator Arm Result
B2200, B2600i, Miata, MPV, MX-6 Non-Turbo, Protege, 323 & 626 Non-Turbo	
Apply 12 Volts To Terminal "C" & Ground Terminals "A", "B" & "D" .....	Pull
Apply 12 Volts To Terminal "C" & Ground Terminals "A" & "D" .....	Hold
Apply 12 Volts To Terminal "C" & Ground Terminal "A" .....	Extend
Disconnect All Voltage & Ground .....	Release
MX-6 Turbo, 626 Turbo & 929 (1991)	
Apply 12 Volts To Terminals "B" & "C" & Ground Terminals "A" & "D" .....	Pull
Apply 12 Volts To Terminal "C" & Ground Terminal "A" .....	Hold
Apply 12 Volts To Terminals "C" & "D" & Ground Terminals "A" & "B" .....	Extend
Disconnect All Voltage & Ground .....	Release
929 (1992)	
Apply 12 Volts To Terminals "B" & "D" & Ground Terminals "A" & "C" .....	Pull
Apply 12 Volts To Terminals "B" & "D" & Ground Terminal "C" .....	Hold
Apply 12 Volts To Terminals "A" & "D" & Ground Terminals "B" & "C" .....	Extend
Disconnect All Voltage & Ground .....	Release

### BRAKE SWITCH

#### Continuity Test (Except 1992 929)

Check for continuity between brake switch terminals.

Continuity should be present when brake pedal is in released position.

#### Continuity Test (1992 929)

Check for continuity between brake switch terminals "A" and "B" with brake pedal depressed. Check for continuity between brake switch terminals "C" and "D" with brake pedal released.

### CLUTCH SWITCH

#### Continuity Test

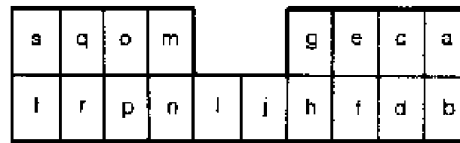
Check for continuity between clutch switch terminals.

Continuity should exist when pedal is depressed.

### CONTROL UNIT

#### Voltage Tests

To test control unit, check terminal voltages at control unit connector terminals using voltmeter. Ensure ignition switch is in ON position. When checking terminal "j", disconnect EGI control unit connector. See Fig. 16, 17 or 18.

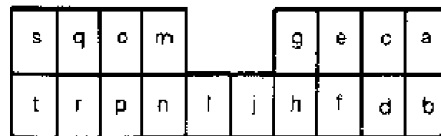


CONTROL UNIT CONNECTOR

Terminal	Connected to	Test condition	Specification	Action
a	Actuator	Main switch OFF	0V	Check actuator
		Main switch ON	9V	
b	Actuator	Main switch OFF	0V	
		Main switch ON	9V	
c	Actuator	Main switch OFF	0V	
		Main switch ON	9V	
e	Main switch	Main switch OFF	12V	Check main switch
		Main switch ON	0V	
f	Main switch	Main switch OFF	0V	
		Main switch ON	12V	
h	Stoplight switch (For cruise)	Brake pedal depressed	0V	Check stoplight switch
		Brake pedal released	9V	
j	Clutch switch	Clutch pedal depressed	0V	Check clutch switch
		Clutch pedal released	5V	
	Inhibitor switch	Shift to "N" or "P" range	0V	Check inhibitor switch
		Shift to other range	5V	
l	Cruise control switch (Set/Coast switch)	Main switch ON	12V	Check cruise control switch
		While turning set switch Main switch ON	0V	
m	Stoplight switch	Brake pedal depressed	12V	Check stoplight switch
		Brake pedal released	0V	
n	Cruise control switch (Resume/Accel switch)	Main switch ON	12V	Check cruise control switch
		While turning resume switch	0V	
		Main switch ON		
o	Actuator	Main switch OFF	0V	Check actuator
		Main switch ON	9V	
p	Speed sensor	While rotating rear tires	Cycles 0—5V	Check speed sensor
s	Battery	Constant	12V	Repair wire
t	Ground	Constant	0V	Repair wire

Fig. 16: Control Unit Voltage Chart (B2200, B2600i, Miata, MX-6 & 626)

Courtesy of Mazda Motors Corp.

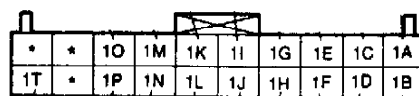


CONTROL UNIT CONNECTOR

Terminal	Connected to	Voltage	Procedure
a (Output)	Actuator	Approx. 0V Approx. 9V	Ignition switch ON Main switch ON
b (Output)	Actuator	Approx. 0V Approx. 9V	Ignition switch ON Main switch ON
c (Output)	Actuator	Approx. 0V Approx. 9V	Ignition switch ON Main switch ON
d			
e (Input)	Cruise control main switch (N.C)	Approx. 12V	Ignition switch ON
f (Input)	Cruise control main switch (N.O)	Approx. 12V	Main switch ON
g (Input)	EC-AT control unit (only ATX)	Approx. 12V	Ignition switch ON
h (Output)	Stoplight switch 2 (N.C)	Approx. 9V	Main switch ON
j (Input) <b>Note</b> <b>Disconnect</b> <b>EGL control</b> <b>unit connector</b>	Inhibitor switch (ATX)	Approx. 0V Approx. 5V	"N" or "P" range and main switch ON Other range and main switch ON
	Clutch switch (MTX)	Approx. 0V Approx. 5V	Clutch pedal depressed and main switch ON Main switch ON
l (Input)	Horn relay	Approx. 12V	Horn switch OFF
m (Input)	Stoplight switch 1 (N.O)	Approx. 0V Approx. 12V	Ignition switch ON Brake pedal depressed
n (Input)	Cruise control switch (Resume/accel switch)	Approx. 12V Approx. 9V	Main switch ON While pushing the resume/accel switch after main switch ON
	Cruise control switch (Set/coast switch)	Approx. 12V Approx. 5V	Main switch ON While pushing the set/coast switch after main switch ON
o (Input)	Stoplight switch 2 (N.C)	Approx. 9V Approx. 0V	Main switch ON Brake pedal depressed
p (Input) <b>Note</b> <b>Disconnect</b> <b>EC-AT control</b> <b>unit connector</b>	Speed sensor	Run out between 0—5V	While rotating the rear tire
q			
r			
s	Battery	Approx. 12V	Constant
t	Ground	Approx. 0V	Constant

Fig. 17: Control Unit Voltage Chart (MPV, Protege, 323 & 1991 929)  
Courtesy of Mazda Motors Corp.





CONTROL UNIT CONNECTOR

Terminal	Connected to	Test condition	Voltage
1A	Actuator (motor)	Ignition switch ON	0V
		Main switch ON	B+
1B	Actuator (motor)	Ignition switch ON	0V
		Main switch ON	B+
1C	Actuator (clutch)	Ignition switch ON	0V
		Main switch ON	8.5—9.5V
1D	Instrument cluster (CRUISE indicator lamp)	Ignition switch ON	B+
		Cruise indicator illuminated	0V
1E	Cruise control main switch (N.C. side)	Ignition switch ON	B+
1F	Cruise control main switch (N.O. side)	Main switch pressed	B+
1G	Powertrain control module (Transmission)	Ignition switch ON	B+
		Main switch ON	B+
1H	Brake switch	Ignition switch ON and main switch ON	8.5—9.5V
		Brake pedal depressed	B+
1I	Data link connector	—	—
1J	Inhibitor switch	In N or P range	0V
		Other ranges	B+
1K	STOP 20A fuse	Always	B+
1L	Data link connector	—	—
1M	Stoplight switch	Ignition switch ON	0V
		Brake pedal depressed	B+
1N	Cruise control switch	Main switch ON	4.5—5.5V
		Main switch ON SET/COAST switch pressed	1.5—2.5V
		Main switch ON RESUME/ACCEL switch pressed	2.5—3.5V
		Main switch ON CANCEL switch pressed	0V
1O	Actuator (clutch)	Ignition switch ON	0V
		Main switch ON	9V
1P	Instrument cluster (speed signal)	While rear tires rotating	0—5V
1T	Ground	—	0V

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Fig. 18: Control Unit Voltage Chart (1992 929)  
Courtesy of Mazda Motors Corp.

## CRUISE CONTROL SWITCH

Continuity Test (B2200, B2600i, Miata, MPV, MX-6 & 626)

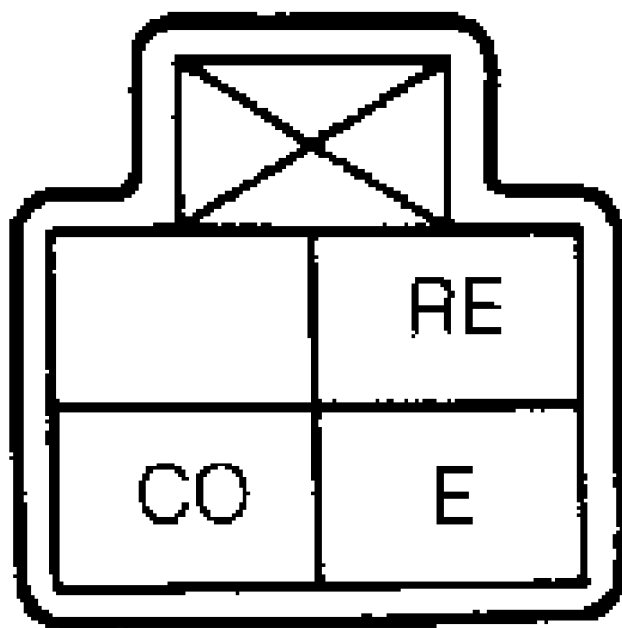
Disconnect combination switch connector. Check for continuity between terminals of combination switch connector while activating indicated function. See CRUISE CONTROL SWITCH CONTINUITY SPECIFICATIONS table. See Fig. 19, 20 or 21. If continuity is not as specified, replace cruise control switch.

### CRUISE CONTROL SWITCH CONTINUITY SPECIFICATIONS

Switch	Continuity Between Terminals
B2200 & B2600i	

SET/COAST .....	CO & "E"
RESUME/ACCEL .....	RE & "E"
Miata, MX-6 & 626	
SET/COAST .....	SE & "E"
RESUME/ACCEL .....	RE & "E"
MPV	
SET .....	SE & "E"
RESUME/ACCEL .....	RE & "E"
COAST .....	CO & "E"

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B2200 & B2600i

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Fig. 19: Cruise Control Switch Connector Terminal ID (B2200/B2600i)  
Courtesy of Mazda Motors Corp.

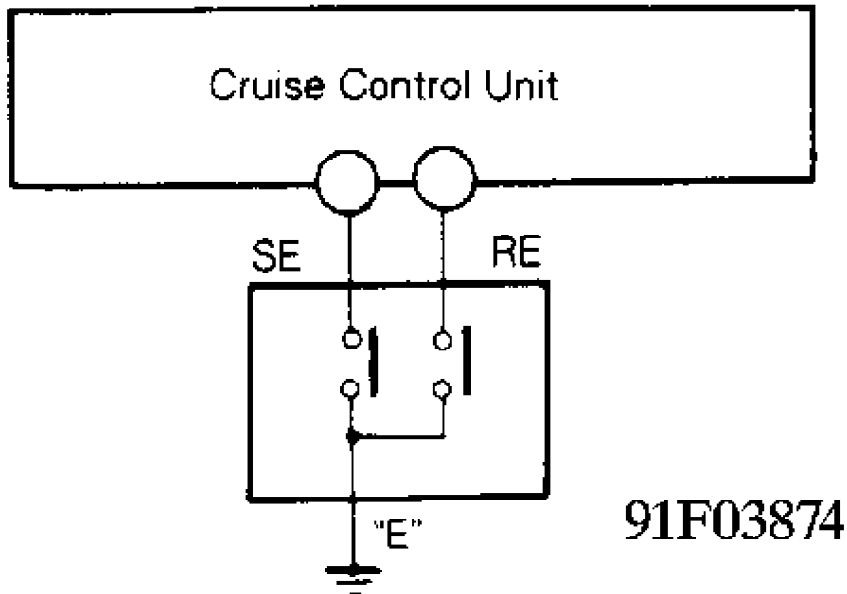


Fig. 20: Cruise Control Switch Connector Terminal ID (Miata, MX-6 & 626)  
 Courtesy of Mazda Motors Corp.

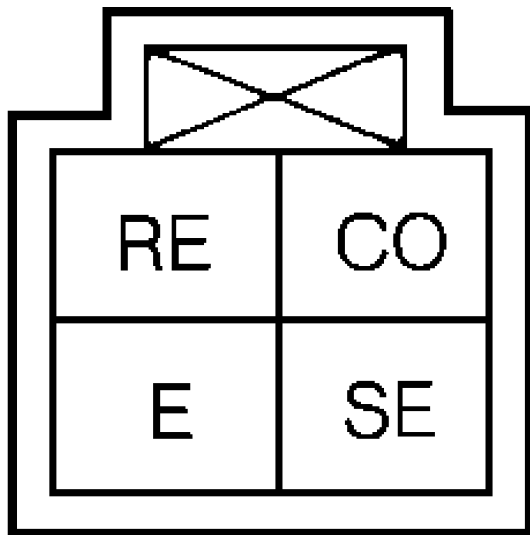


Fig. 21: Cruise Control Switch Connector Terminal ID (MPV)  
 Courtesy of Mazda Motors Corp.

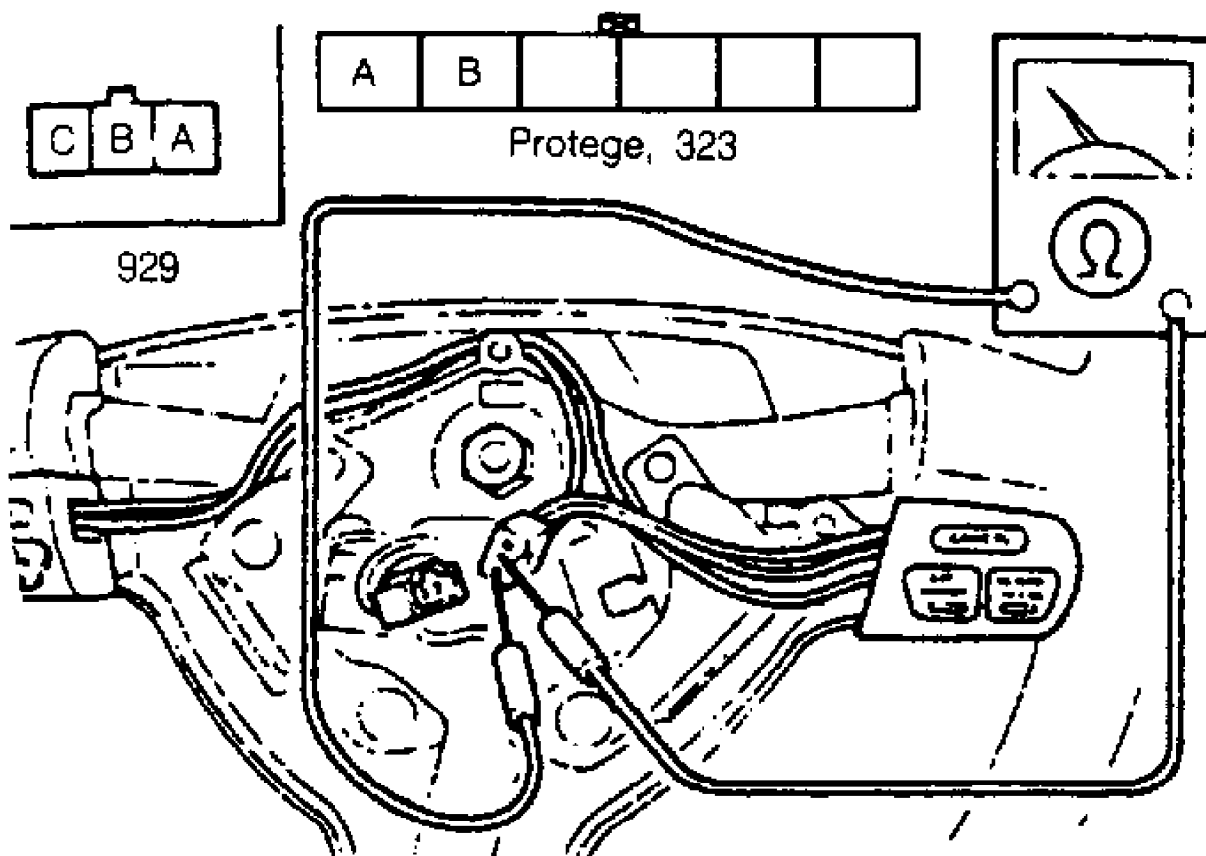
Resistance Test (Protege, 323 & 929)  
 1) Remove steering wheel cover and switch assembly. Check

resistance between specified terminals while pushing each switch. See CRUISE CONTROL SWITCH RESISTANCE SPECIFICATIONS table. See Fig. 22.

2) If resistance is okay, remove steering wheel and check slip rings. If problem still exists, check wiring harness.

#### CRUISE CONTROL SWITCH RESISTANCE SPECIFICATIONS

Switch	Terminals	Ohms
Protege, 323 & 929		
RESUME/ACC .....	"A" & "B" .....	910
SET/COAST .....	"A" & "B" .....	240



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Fig. 22: Checking Cruise Control Switch (929, Protege & 323)  
Courtesy of Mazda Motors Corp.

#### CRUISE CONTROL MAIN SWITCH

##### Continuity Test

Disconnect main switch harness connector. Using an ohmmeter, check continuity between terminals of cruise control main switch with

switch in each position. See Fig. 23 or 24. See appropriate MAIN SWITCH CONTINUITY table. If switch does not function as specified, replace switch.

MAIN SWITCH CONTINUITY (Except MPV & 1992 929)

Switch Position	Continuity Between Terminals
Neutral	"D" & "F"; "G" & "H"
OFF	"G" & "H"
ON	(1) "A", "D" & "F"; "G" & "H"

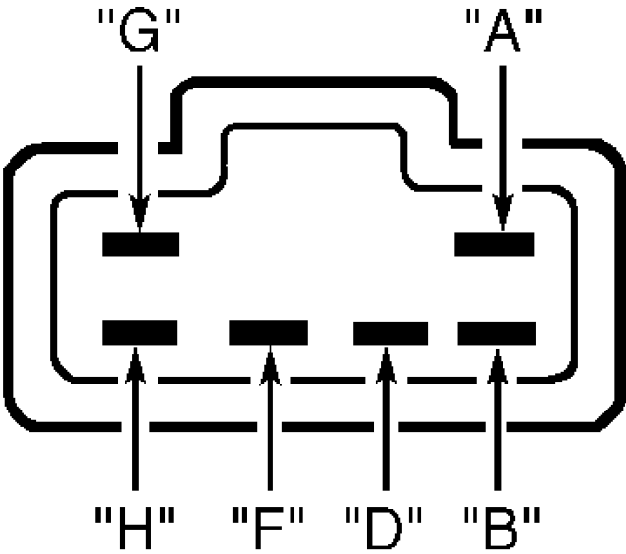
(1) - Also continuity between terminals "B" and "F" on B2200, B2600i, Miata, Protege and 323.

MAIN SWITCH CONTINUITY (MPV)

Switch Position	Continuity Between Terminals
OFF	"A" & "D"
ON	"A", "D" & "F"

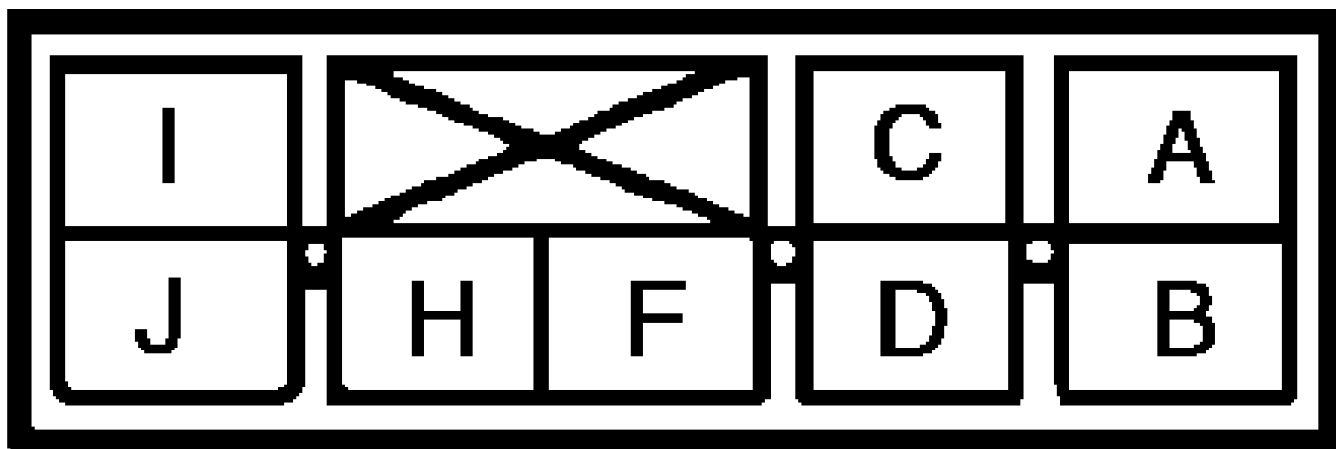
MAIN SWITCH CONTINUITY (1992 929)

Switch Position	Continuity Between Terminals
OFF	"A" & "F"
ON	"A" & "B"



91A03876

Fig. 23: Cruise Control Main Switch Terminal ID (Exc. MPV & 1992 929)  
Courtesy of Mazda Motors Corp.



93D00722

Fig. 24: Cruise Control Main Switch Terminal ID (MPV & 1992 929)  
 Courtesy of Mazda Motors Corp.

## SPEED SENSOR

NOTE: For MPV, Protege and 323, only speed sensor terminal identification is available. See SPEED SENSOR TERMINAL IDENTIFICATION table.

Continuity Test (B2200, B2600i, Miata, MX-6 & 626)

Remove speedometer from dash panel. Connect ohmmeter to appropriate terminals of printed circuit connector. See SPEED SENSOR TERMINAL IDENTIFICATION table. See Fig. 25, 26 or 27. Rotate speedometer drive cable. Ensure continuity cycle is 4 times per revolution. If continuity cycle is not 4 times per revolution, replace speedometer.

### SPEED SENSOR TERMINAL IDENTIFICATION

Application	Terminals
B2200 & B2600i .....	"H" & "I"
Miata .....	2F & 2D
MX-6 & 626 .....	"U" & "N"
MPV .....	1J & 2A
Protege & 323 .....	2A & 2F

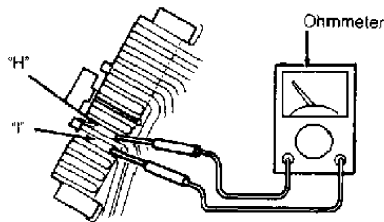
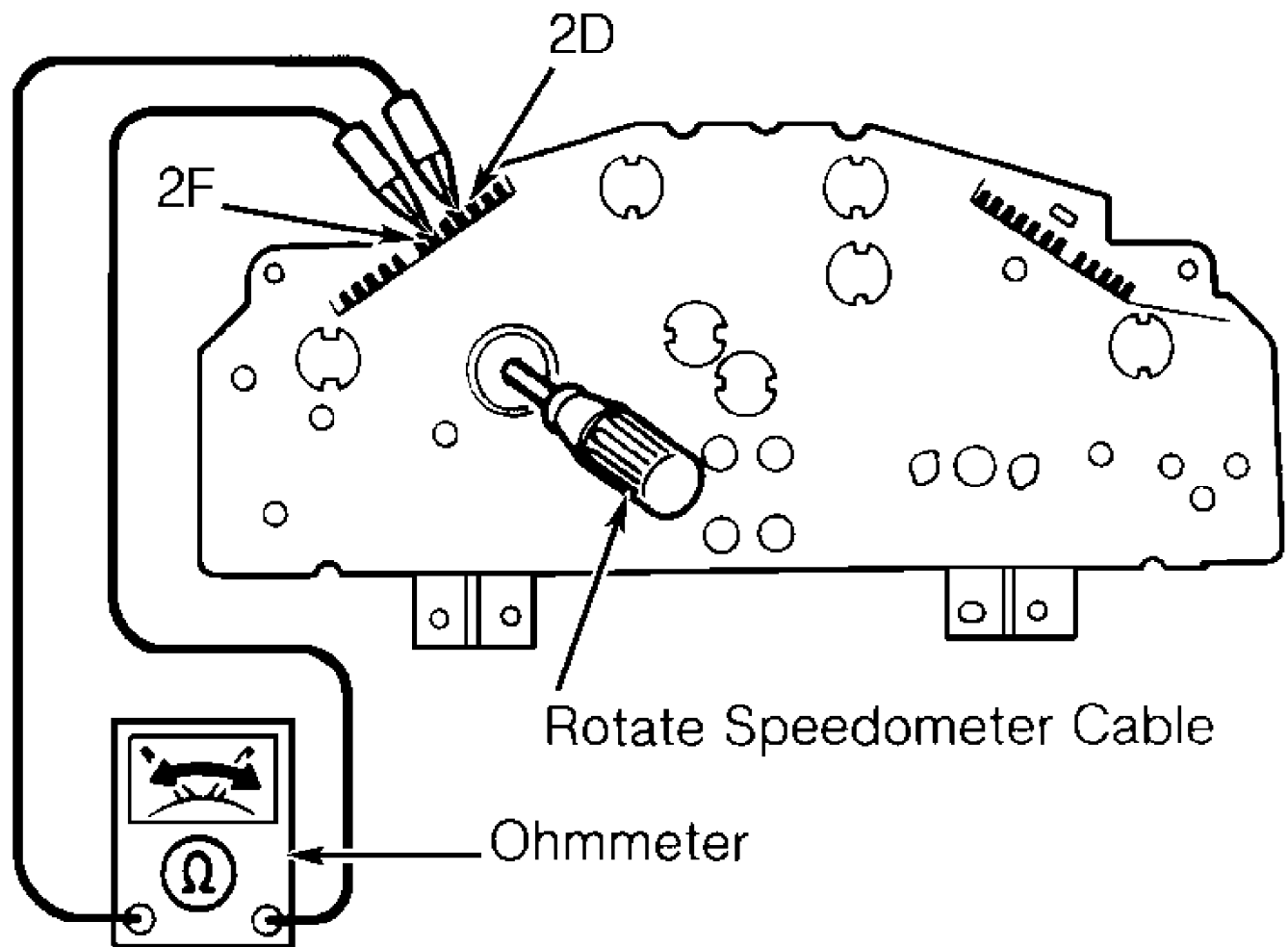


Fig. 25: Checking Speed Sensor Continuity (B2200 & B2600i)  
 Courtesy of Mazda Motors Corp.



91E03878

Fig. 26: Checking Speed Sensor Continuity (Miata)  
Courtesy of Mazda Motors Corp.

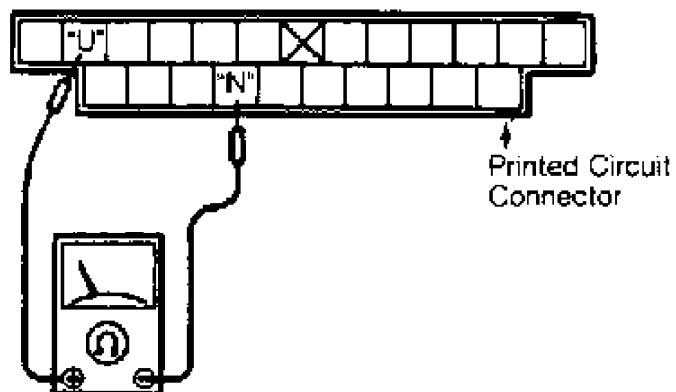


Fig. 27: Checking Speed Sensor Continuity (MX-6 & 626)  
Courtesy of Mazda Motors Corp.

Voltage Test (929)

1) Check speedometer operation. If speedometer operates

properly, speed sensor is okay. If speedometer does not work properly, unplug speed sensor connector at transmission.

2) Connect battery voltage to terminals "A" and "C". Connect voltmeter leads to speed sensor terminals "A" and "B". See Fig. 28. Voltmeter should be on 5-volt scale. Check voltage while slowly turning speed sensor shaft. If voltage pulses are detected, sensor is okay.

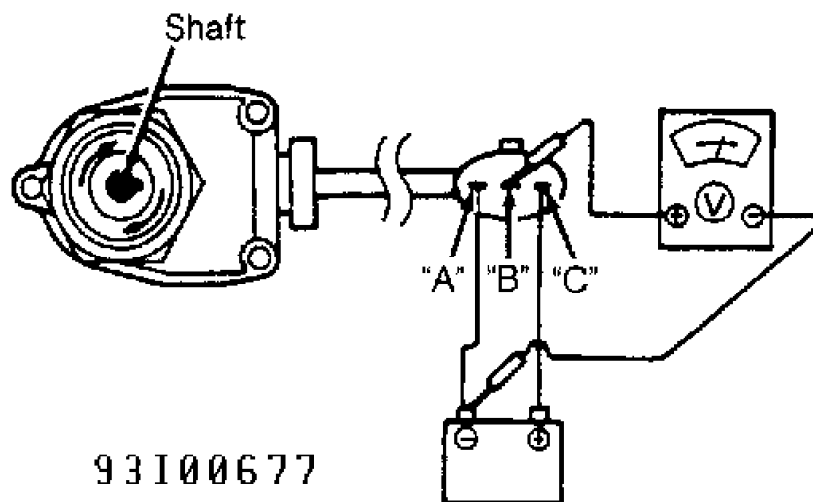
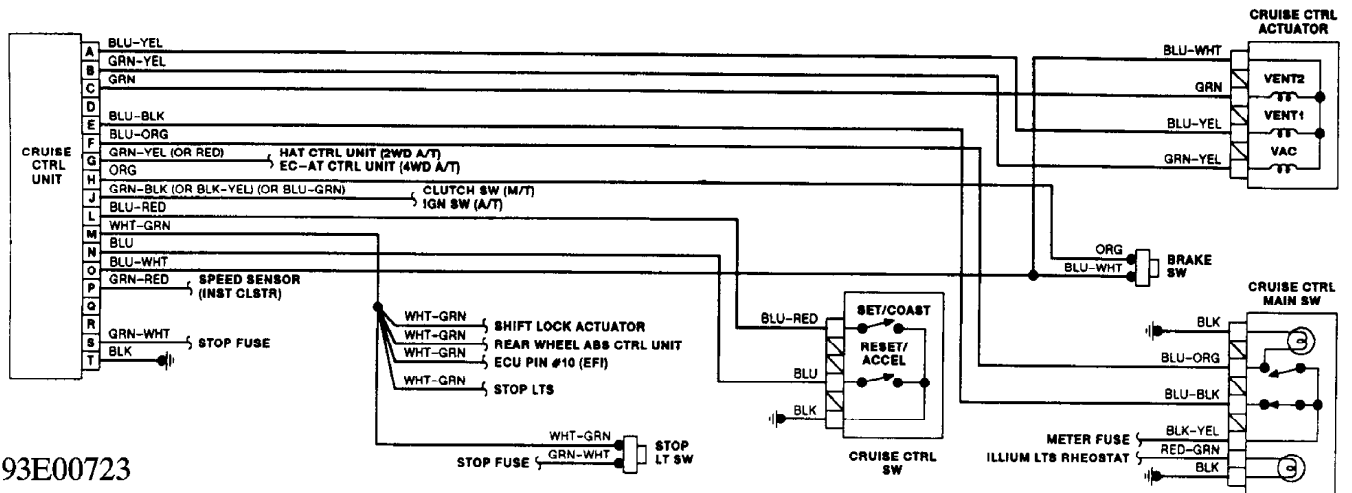


Fig. 28: Checking Speed Sensor Voltage (929)  
Courtesy of Mazda Motors Corp.

## WIRING DIAGRAMS

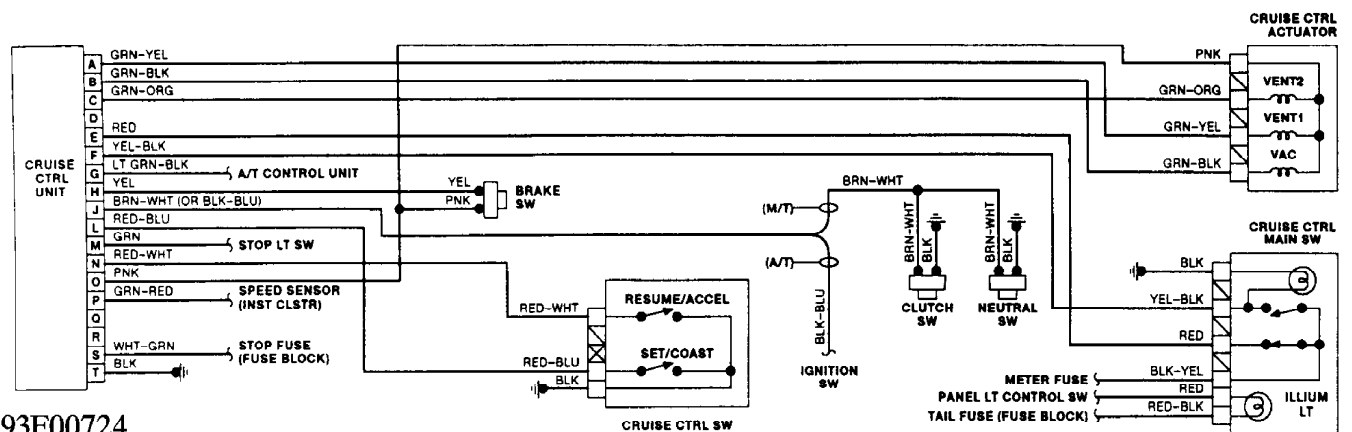
For 1991 models, see appropriate wiring diagram. See Figs. 29-34. For 1992 models, see appropriate chassis wiring diagram in WIRING DIAGRAMS.





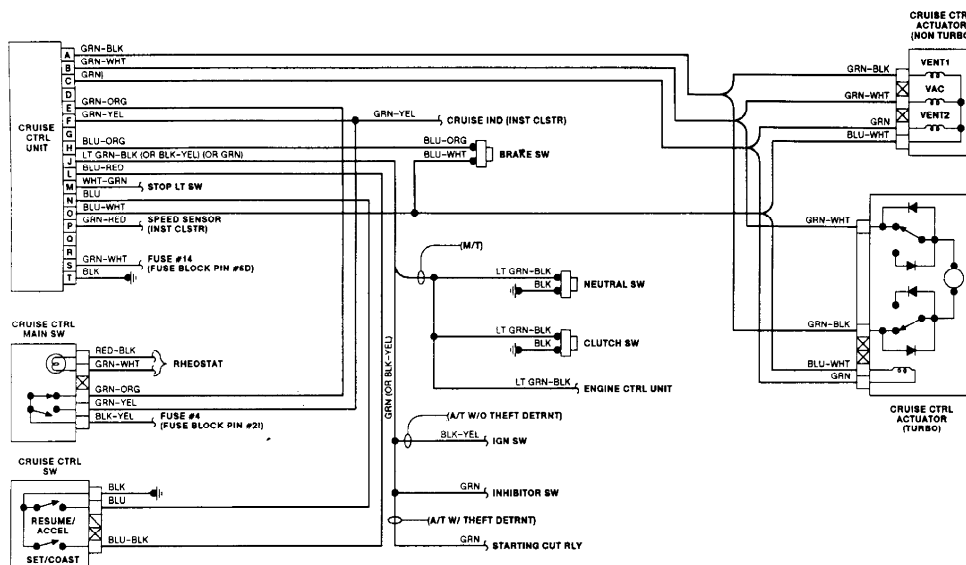
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Fig. 29: 1991 Cruise Control System Wiring Diagram (B2200 & B2600i)



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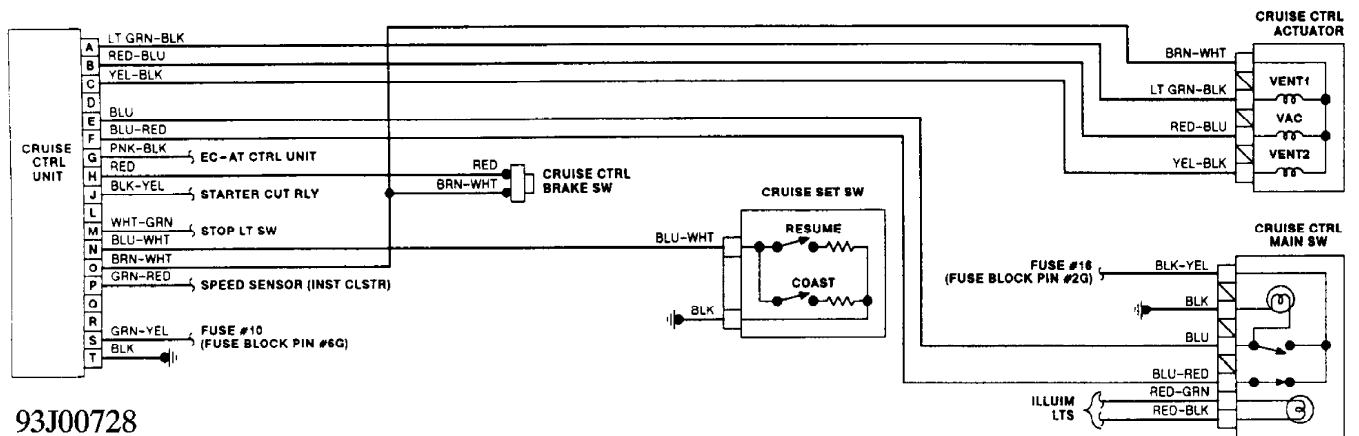
Fig. 30: 1991 Cruise Control System Wiring Diagram (Miata)



93H00726

Fig. 31: 1991 Cruise Control System Wiring Diagram (MX-6 & 626)





93J00728

Fig. 34: 1991 Cruise Control System Wiring Diagram (929)