

C - SPECIFICATIONS

1991 Mazda Miata

1991 ENGINE PERFORMANCE Service & Adjustment Specifications

B2200, B2600i, Miata, MPV, MX-6,
Navajo, Protege, RX7, 323, 626, 929

INTRODUCTION

Use the specifications in this quick-reference article if you are familiar with an on-vehicle service or adjustment procedure and you only need a specification.

CAPACITIES

BATTERY SPECIFICATIONS

Application	Amp Hr. Rating
B2200	50
B2600i	
Standard	50
Heavy Duty	65
Miata	32
MPV	
Standard	50
Heavy Duty	65
MX-6	
Standard	50
Heavy Duty	55
Navajo	(1)
Protege	
Standard	50
Heavy Duty	60
RX7	
Standard	55
Heavy Duty	66
323	50
626	
Standard	50
Heavy Duty	55
929	
Standard	50
Heavy Duty	65

(1) - Battery is rated at 650 cold cranking amps (standard) and 850 cold cranking amps (heavy duty).

FLUID CAPACITIES

Application	Quantity
Crankcase (Includes Filter)	
B2200	4.3 Qts. (4.1L)
B2600i	5.0 Qts. (4.7L)
Miata	3.6 Qts. (3.4L)
MPV	
2.6L	5.0 Qts. (4.7L)

3.0L	5.1 Qts. (4.8L)
MX-6	4.3 Qts. (4.1L)
Navajo	5.0 Qts. (4.7L)
Protege	4.0 Qts. (3.8L)
RX7	4.9 Qts. (4.6L)
323	3.4 Qts. (3.2L)
626	4.3 Qts. (4.1L)
929	5.1 Qts. (4.8L)
Cooling System (Includes Heater)	
B2200	7.9 Qts. (7.5L)
B2600i	7.9 Qts. (7.5L)
Miata	6.3 Qts. (6.0L)
MPV	
2.6L	
W/ A/T	7.6 Qts. (7.2L)
W/ M/T	7.2 Qts. (6.8L)
3.0L	
W A/T	10.3 Qts. (9.7L)
W/ M/T	10.1 Qts. (9.6L)
MX-6	7.9 Qts. (7.5L)
Navajo	
With A/C	8.6 Qts. (8.1L)
Without A/C	7.8 Qts. (7.4L)
Protege	
W/ A/T	6.3 Qts. (6.0L)
W/ M/T	5.3 Qts. (5.0L)
RX7	
Non-Turbo	7.7 Qts. (7.3L)
Turbo	9.2 Qts. (8.7L)
626	7.9 Qts. (7.5L)
323	
W/ A/T	6.3 Qts. (6.0L)
W/ M/T	5.3 Qts. (5.0L)
929	9.9 Qts. (9.4L)
Manual Transaxle	
MX-6 (1)	
Non-Turbo	3.5 Qts. (3.3L)
Turbo	3.9 Qts. (3.7L)
Protege	
DOHC (1)	3.6 Qts. (3.4L)
SOHC	
2WD (2)	2.8 Qts. (2.6L)
4WD (3)	2.7 Qts. (2.5L)
323 (2)	2.8 Qts. (2.6L)
626 (1)	
Non-Turbo	3.5 Qts. (3.3L)
Turbo	3.9 Qts. (3.7L)
Manual Transmission (4)	
B2200	
4-Spd.	1.8 Qts. (1.7L)
5-Spd.	2.1 Qts. (2.0L)
B2600i (1)	
2WD	3.0 Qts. (2.8L)
4WD	3.4 Qts. (3.2L)
Miata	2.1 Qts. (2.0L)
MPV	
2WD	2.6 Qts. (2.5L)
4WD	3.0 Qts. (2.8L)
Navajo	2.8 Qts. (2.6L)
RX7	2.6 Qts. (2.5L)
Automatic Transaxle (ATF Dexron-II) (5)	
MX-6	7.2 Qts. (6.8L)
Protege	

2WD	6.1 Qts. (5.8L)
4WD	7.0 Qts. (6.6L)
323	6.1 Qts. (5.8L)
626	7.2 Qts. (6.8L)
Automatic Transmission (ATF Dexron-II) (6)	
B2200, B2600i, Miata & MPV .	4.2 Qts. (4.0L)
Navajo	3.0 Qts. (2.8L)
RX7	4.2 Qts. (4.0L)
929	7.7 Qts. (7.3L)
Front Differential (7)	
B2600i	1.6 Qts. (1.5L)
MPV	1.8 Qts. (1.7L)
Navajo	1.7 Qts. (1.6L)
Rear Differential (7)	
B2200	1.3 Qts. (1.2L)
B2600i	1.8 Qts. (1.7L)
Miata .....	.69 Qts. (.65L)
MPV	1.6 Qts. (1.5L)
Navajo	2.6 Qts. (2.5L)
Protege .....	.69 Qts. (.65L)
RX7	
Non-Turbo	1.4 Qts. (1.3L)
Turbo	1.5 Qts. (1.4L)
323 .....	.69 Qts. (.65L)
929	1.4 Qts. (1.3L)
Transfer Case (8)	
B2600i	2.1 Qts. (2.0L)
MPV	1.6 Qts. (1.5L)
Navajo	1.3 Qts. (1.2L)
Protege .....	.53 Qts. (.5L)

- (1) - For all-season conditions, use SAE 75W-90 or ATF Dexron-II. For temperatures greater than 0°F (-18°C), use SAE 80W-90 or SAE 90.
- (2) - Use SAE 75W-90.
- (3) - For all-season conditions, use SAE 75W-90. If temperature is below 0°F (-18°C), use ATF Dexron-II.
- (4) - On Navajo, use SAE 80W-90 or SAE 75W-90. On all other models, use SAE 75W-90 for all-season conditions, and SAE 80W-90 for temperatures greater than 50°F (10°C).
- (5) - Specification is total fluid capacity of transaxle, not refill capacity after pan removal.
- (6) - On 929, specification is total fluid capacity. On all other models, specification is the amount needed to refill transmission after pan removal. Mazda calls this "replacement fluid capacity" in their maintenance tables and "pan" (as opposed to "total") in their transmission section.
- (7) - On Navajo, use SAE 90. On all other models, use SAE 90 for temperatures greater than 0°F (-18°C), and SAE 80W for temperatures less than 0°F (-18°C).
- (8) - On Navajo, use Mercon ATF. On Protege, use SAE 90 for temperatures greater than 0°F (-18°C), and SAE 80W for temperatures less than 0°F (-18°C). On all other models, use SAE 75W-90 or ATF Dexron-II for all-season conditions, and SAE 80W-90 or SAE 90 for temperatures greater than 0°F (-18°C).

QUICK-SERVICE

SERVICE INTERVALS & SPECIFICATIONS

REPLACEMENT INTERVALS

Component	Miles
Air Filter	30,000
Camshaft Timing Belt	60,000
Coolant	30,000
Fuel Filter	
B2200 (Carbureted)	30,000
All Others	60,000
Oil	
Non-Turbo	7500
Turbo	5000
Oil Filter	
Non-Turbo	
RX7	15000
All Others	7500
Turbo	5000
Spark Plugs	30,000

BELT ADJUSTMENT (NEW BELT)

Application	(1) Deflection In. (mm)
Air Pump	
RX7	23/64-7/16 (9-11)
Alternator	
B2200	9/32-5/16 (7-8)
B2600i	25/64-15/32 (10-12)
Miata	5/16-23/64 (8-9)
MPV	
2.6L	25/64-15/32 (10-12)
3.0L	23/64-25/64 (9-10)
MX-6 & 626	15/64-5/16 (6-8)
Navajo	(2)
Protege & 323	5/16-23/64 (8-9)
RX7	15/32-19/32 (12-15)
929	23/64-25/64 (9-10)
A/C Compressor	
B2200	25/64-15/32 (10-12)
B2600i	5/16-25/64 (8-10)
Miata	5/16-23/64 (8-9)
MPV	
2.6L	5/16-25/64 (8-10)
3.0L	11/64-13/64 (4.5-5)
MX-6 & 626	9/32-23/64 (7-9)
Navajo	(2)
Protege & 323	5/16-23/64 (8-9)
RX7	15/64-5/16 (6-8)
929	9/32-23/64 (7-9)
Power Steering	
B2200	9/32-5/16 (7-8)
B2600i	9/32 (7)
Miata	5/16-23/64 (8-9)
MPV	9/32 (7)

MX-6 & 626	5/16-25/64 (8-10)
Navajo	(2)
Protege & 323	5/16-23/64 (8-9)
RX7	7/16-33/64 (11-13)
929	9/32-23/64 (7-9)

- (1) - Measure belt deflection by applying moderate pressure (about 22 lbs., or 10 kg) to belt, midway between pulleys.
- (2) - Navajo is equipped with automatic belt tensioner.

MECHANICAL CHECKS

ENGINE COMPRESSION

NOTE: Compression Tester (49-F018-9A0) or equivalent must be used to test compression on RX7.

RX7

- 1) Warm engine to normal operating temperature. Disconnect crank angle sensor connector. Hold throttle plate fully open. Remove both trailing spark plugs (the 2 top spark plugs). Connect Compression Tester (49-F018-9A0) to upper spark plug hole of front rotor housing.
- 2) Crank engine for 5-10 seconds at specified cranking speed. Note the compression of the 3 combustion chambers. Repeat procedure at the rear rotor housing.

Except RX7

- 1) Warm engine to normal operating temperature. Remove all spark plugs. On Navajo, use remote starter switch to crank engine (DO NOT crank engine with ignition switch). On all other models, disconnect ignition coil primary wire connector.
- 2) On all models, hold throttle plate fully open. Crank engine at specified cranking speed.

COMPRESSION RATIO

Application	Specification
B2200	8.6:1
B2600i	8.4:1
Miata	
Automatic Transmission	9.4:1
Manual Transmission	9.0:1
MPV	
2.6L	8.4:1
3.0L	8.5:1
MX-6	
Non-Turbo	8.6:1
Turbo	7.8:1
Navajo	9.0:1
Protege	
DOHC	9.0:1
SOHC	8.9:1
RX7	
Non-Turbo	9.7:1
Turbo	9.0:1
323	9.3:1
626	
Non-Turbo	8.6:1

Turbo	7.8:1
929	
DOHC	8.9:1
SOHC	8.5:1

COMPRESSION PRESSURE SPECIFICATIONS

Application	Specification
Compression Pressure	
B2200	173 psi (12.2 kg/cm ²) @ 300 RPM
B2600i	182 psi (12.8 kg/cm ²) @ 270 RPM
Miata	192 psi (13.5 kg/cm ²) @ 300 RPM
MPV	
2.6L	185 psi (13.0 kg/cm ²) @ 280 RPM
3.0L	164 psi (11.5 kg/cm ²) @ 300 RPM
MX-6	
Non-Turbo	162 psi (11.4 kg/cm ²) @ 270 RPM
Turbo	139 psi (9.8 kg/cm ²) @ 260 RPM
Navajo	(1)
Protege	
DOHC	182 psi (12.8 kg/cm ²) @ 300 RPM
SOHC	173 psi (12.2 kg/cm ²) @ 300 RPM
RX7	85 psi (6.0 kg/cm ²) @ 250 RPM
323	192 psi (13.5 kg/cm ²) @ 300 RPM
626	
Non-Turbo	162 psi (11.4 kg/cm ²) @ 270 RPM
Turbo	139 psi (9.8 kg/cm ²) @ 260 RPM
929	
DOHC	179 psi (12.6 kg/cm ²) @ 300 RPM
SOHC	164 psi (11.5 kg/cm ²) @ 300 RPM
B2200	121 psi (8.5 kg/cm ²) @ 300 RPM
B2600i	142 psi (10.0 kg/cm ²) @ 280 RPM
Miata	135 psi (9.5 kg/cm ²) @ 300 RPM
MPV	
2.6L	142 psi (10.0 kg/cm ²) @ 280 RPM
3.0L	121 psi (8.5 kg/cm ²) @ 300 RPM
MX-6	
Non-Turbo	114 psi (8.0 kg/cm ²) @ 270 RPM
Turbo	98 psi (6.9 kg/cm ²) @ 260 RPM
Navajo	(1)
Protege	
DOHC	128 psi (9.0 kg/cm ²) @ 300 RPM
SOHC	121 psi (8.5 kg/cm ²) @ 300 RPM
RX7	43 psi (3.0 kg/cm ²) @ 250 RPM
323	135 psi (9.5 kg/cm ²) @ 300 RPM
626	
Non-Turbo	114 psi (8.0 kg/cm ²) @ 270 RPM
Turbo	98 psi (6.9 kg/cm ²) @ 260 RPM
929	
DOHC	125 psi (8.8 kg/cm ²) @ 300 RPM
SOHC	114 psi (8.0 kg/cm ²) @ 300 RPM
Maximum Variation Between Cylinders	
Miata, Protege & 323	28 psi (2.0 kg/cm ²)
Navajo	(2)
RX7	21 psi (1.5 kg/cm ²)
All Others	(1)

(1) - Information is not available from manufacturer.

(2) - Measurement of lowest cylinder must be within 75 percent of highest cylinder.

VALVE CLEARANCE

NOTE: All piston engines are equipped with hydraulic valve lash adjusters. Valve clearance is not adjustable.

IGNITION SYSTEM

IGNITION COIL

IGNITION COIL RESISTANCE Ohms @ 68°F (20°C)

Application	Primary	Secondary
B2200		
Carbureted	1.0-1.3	6000-30,000
PFI	.81-.99	6000-30,000
B2600i		
Left Side	.77-.95	6000-30,000
Right Side	900-1100	
Miata	.78-.94	11,200-15,200
MPV		
2.6L		
Left Side	.77-.95	6000-30,000
Right Side	900-1100	N/A
3.0L	.81-.99	6000-30,000
MX-6 & 626		
Non-Turbo	.77-.95	10,300-13,900
Turbo	.72-.88	10,300-13,900
Navajo	.5	(1)
Protege & 323	.81-.99	10,000-16,000
RX7	Less than 1.0	(2)
929	.72-.88	10,000-30,000

(1) - Information is not available from manufacturer.

(2) - Further testing of the ignition coil requires use of Ignitor Tester (49-F018-002). See appropriate I - SYSTEM/COMPONENT TESTS article in the ENGINE PERFORMANCE section.

DISTRIBUTOR SENSORS

NOTE: If models are not listed in tables, distributor and crank angle sensor testing information is not available from manufacturer.

DISTRIBUTOR PICK-UP COIL RESISTANCE

Application	Ohms
B2200 (Carbureted)	900-1200
MPV (3.0L)	900-1200
MX-6 & 626	
Non-Turbo	900-1200
Turbo (Check Ignitor Terminals)	
"A" & "B"	210-260
"C" & "D"	210-260
"E" & "F"	210-260

CRANK ANGLE SENSOR RESISTANCE - RX7

Application	Ohms
RX7 (Check 4-way connector terminals)	
Green & Black Wires	110-210
Red & White Wires	110-210

HIGH TENSION WIRE RESISTANCE

High tension wire resistance should not exceed 4900 ohms per foot (7000 ohms per foot on Navajo).

SPARK PLUGS

SPARK PLUG TYPE

Application	NGK No.
B2200	
Carbureted	BPR5ES or BPR6ES
PFI	BPR5ES-11 or BPR6ES-11
B2600i	ZFR5F-11 or ZFR6F-11
Miata	BKR5E-11, BKR6E-11 or BKR7E-11
MPV	ZFR5F-11 or ZFR6F-11
MX-6 & 626	ZFR5F-11, ZFR6F-11 or ZFR7F-11
Navajo	(1)
Protege DOHC	BKR5E-11, BKR6E-11 or BKR7E-11
Protege SOHC	BKR5E-11 or BKR6E-11
323	BPR5ES-11 or BPR6ES-11
RX7 Leading	BUR7EQ
RX7 Trailing	BUR9EQ
929 DOHC	ZFR5F-11 or ZFR6F-11
929 SOHC	ZFR5F-11, ZFR6F-11 or ZFR7F-11

(1) - Use Motorcraft spark plug number AWSF-42C.

SPARK PLUG SPECIFICATIONS

Application	Gap		Torque	
	In. (mm)	Ft. Lbs.	(N.m)	
B2200 (Carbureted) .	.031 (.80)	.....	13	(18)
RX7 .....	.055 (1.3)	.....	11	(15)
All Others .....	.041 (1.0)	.....	13	(18)

FIRING ORDER & TIMING MARKS

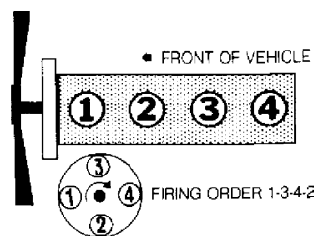
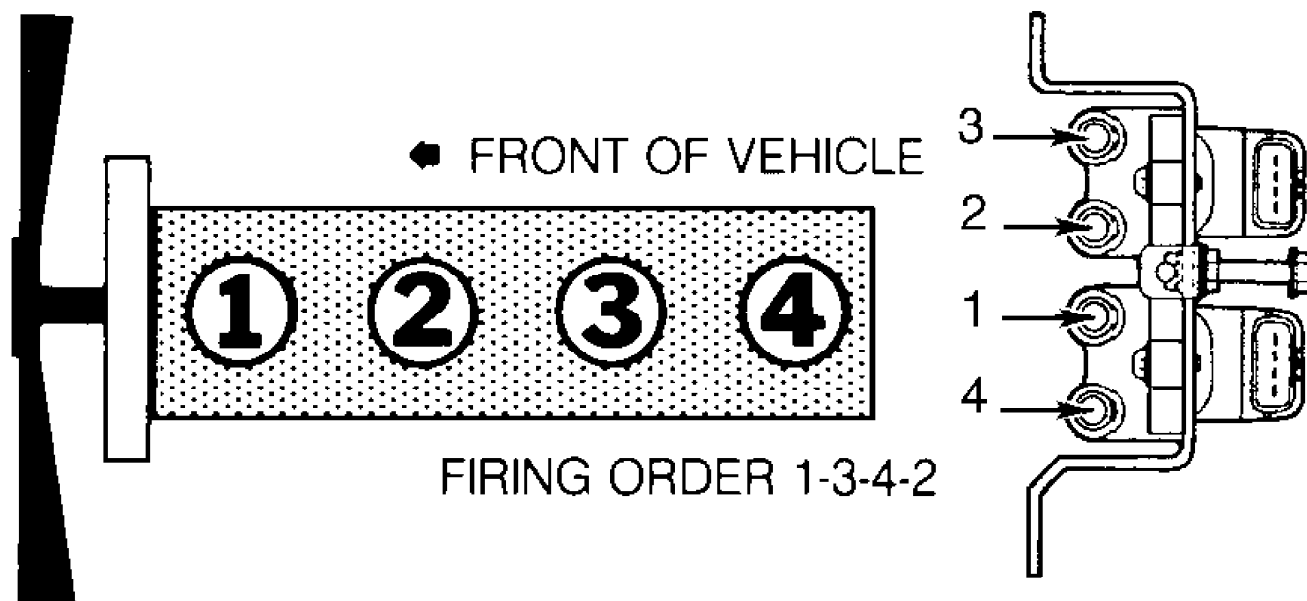


Fig. 1: Firing Order & Distributor Rotation (B2200, B2600i & MPV 2.6L)



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Fig. 2: Firing Order (Miata)

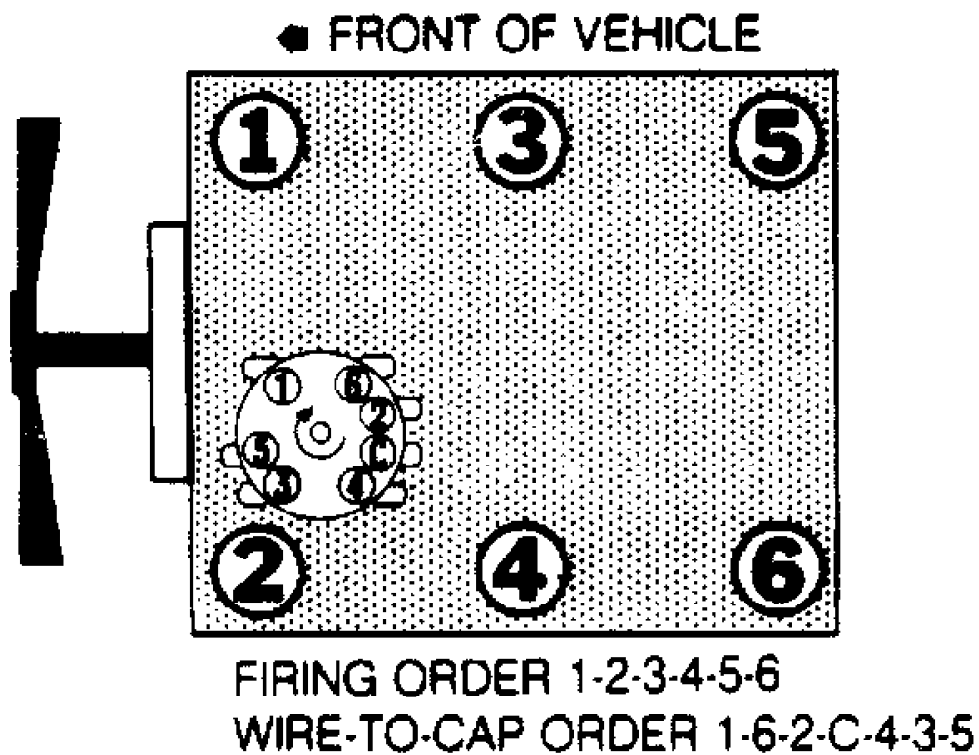


Fig. 3: Firing Order & Distributor Rotation (MPV 3.0L & 929)

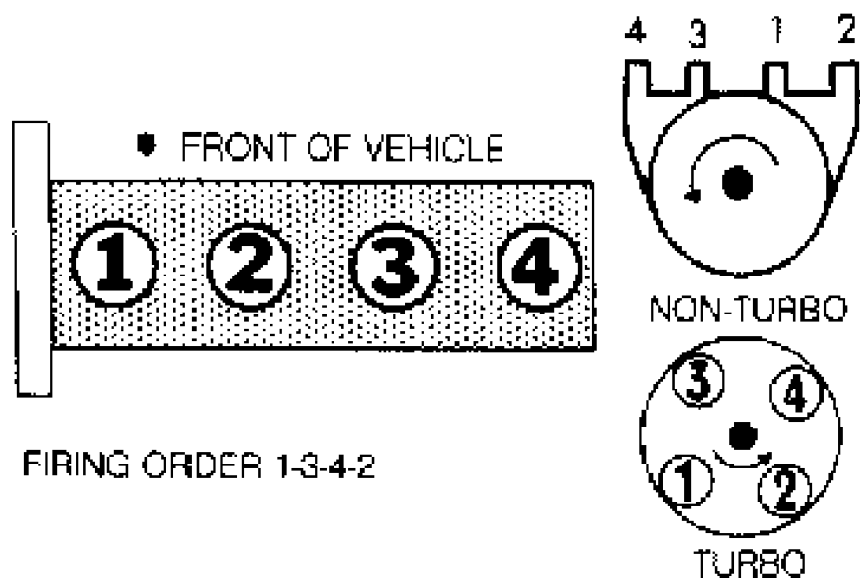
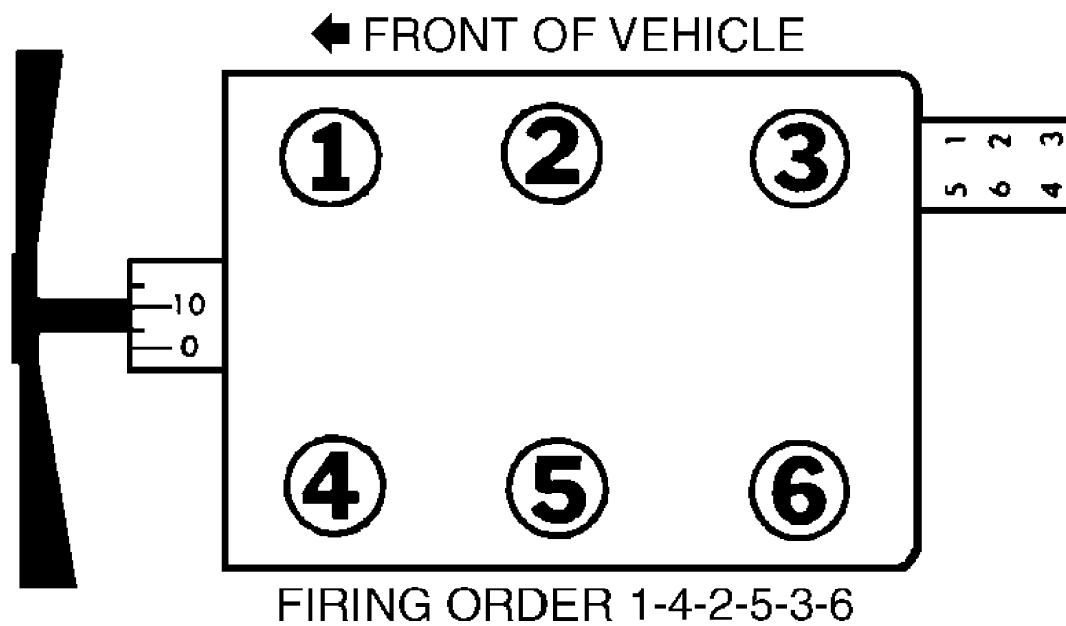


Fig. 4: Firing Order & Distributor Rotation (MX-6 & 626)



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Fig. 5: Firing Order & Coil Pack (Navajo)

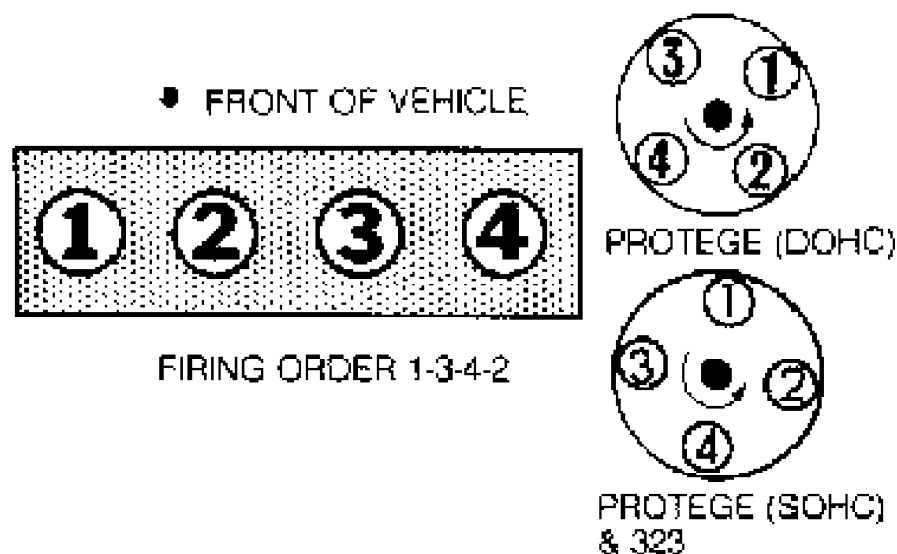


Fig. 6: Firing Order & Distributor Rotation (Protege & 323)

IGNITION TIMING

CAUTION: On RX7, ignition timing is set AFTER top dead center.

IGNITION TIMING SPECIFICATIONS - RX7 (1)

Application	Leading (Yellow)	Trailing (Red)
RX7 (2)	5 @ 750	20 @ 750

(1) - Degrees ATDC @ RPM

(2) - Connect jumper wire between Green test connector and ground.

IGNITION TIMING SPECIFICATIONS - EXCEPT RX7 (1)

Application	Man. Trans.	(2) Auto. Trans.
B2200		
Carbureted	6 @ 825	6 @ 825
PFI (3)	6 @ 750	6 @ 770
B2600i (3)	5 @ 750	5 @ 770
Miata (3)	10 @ 850	8 @ 850
MPV		
2.6L (3)	5 @ 750	5 @ 770
3.0L (3)	11 @ 800	11 @ 800
MX-6 & 626		
Non-Turbo (3) (4)	6 @ 750	6 @ 750

Turbo (3)	.....	9 @ 750	.....	9 @ 750
Navajo	.....	(5)	.....	(5)
Protege				
DOHC (3)	.....	10 @ 750	.....	10 @ 750
SOHC (3)	.....	5 @ 750	.....	5 @ 750
323 (3)	.....	7 @ 750	.....	7 @ 750
929				
DOHC (3)	.....	N/A	.....	8 @ 700
SOHC (3)	.....	N/A	.....	15 @ 650

- (1) - Degrees BTDC @ RPM.
- (1) - Place automatic transmission in Park.
- (2) - Connect jumper wire between Green test connector and ground.
- (3) - Disconnect and plug distributor vacuum advance hose.
- (4) - Base (initial) timing is preset at 10 degrees BTDC and is not adjustable. To check timing, see appropriate D - ADJUSTMENTS article in the ENGINE PERFORMANCE section.

DISTRIBUTOR SPECIFICATIONS

NOTE: On models with computer-controlled ignition, see appropriate G TESTS W/CODES article in the ENGINE PERFORMANCE section to diagnose ignition timing problems.

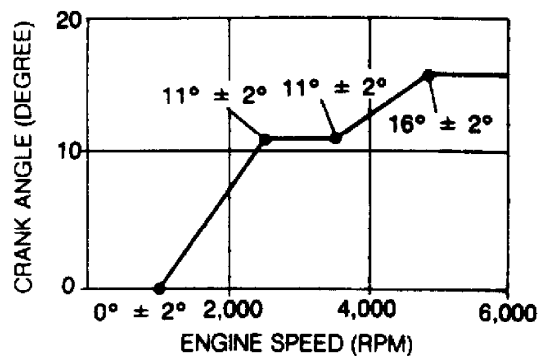
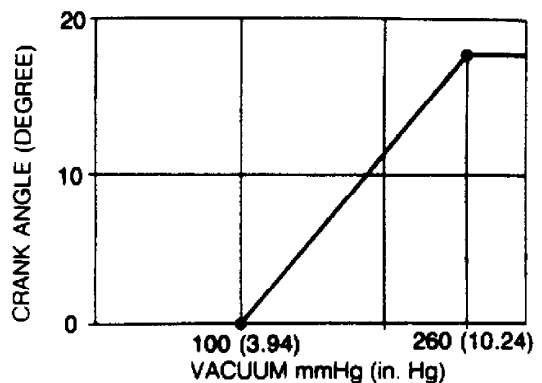


Fig. 7: Carbureted Ignition Advance Curve - B2200
Courtesy of Mazda Motors Corp.

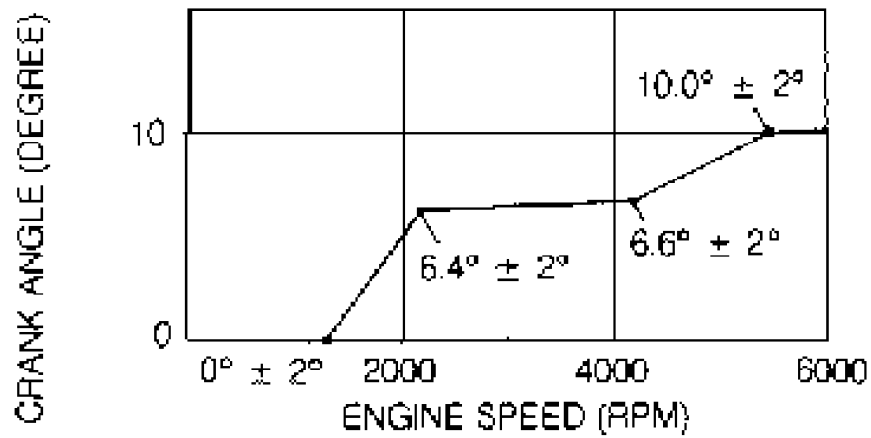
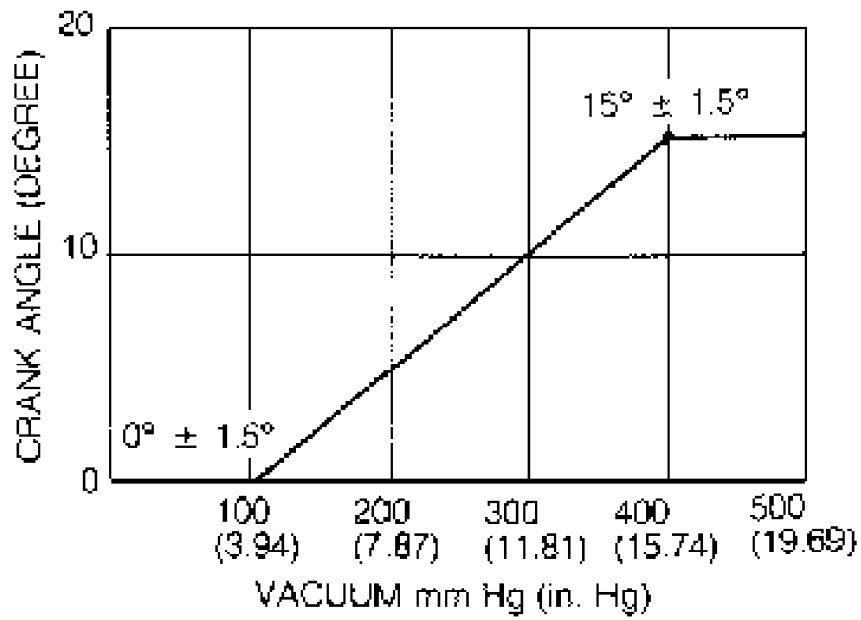


Fig. 8: Ignition Advance Curve - MPV 3.0L
 Courtesy of Mazda Motors Corp.

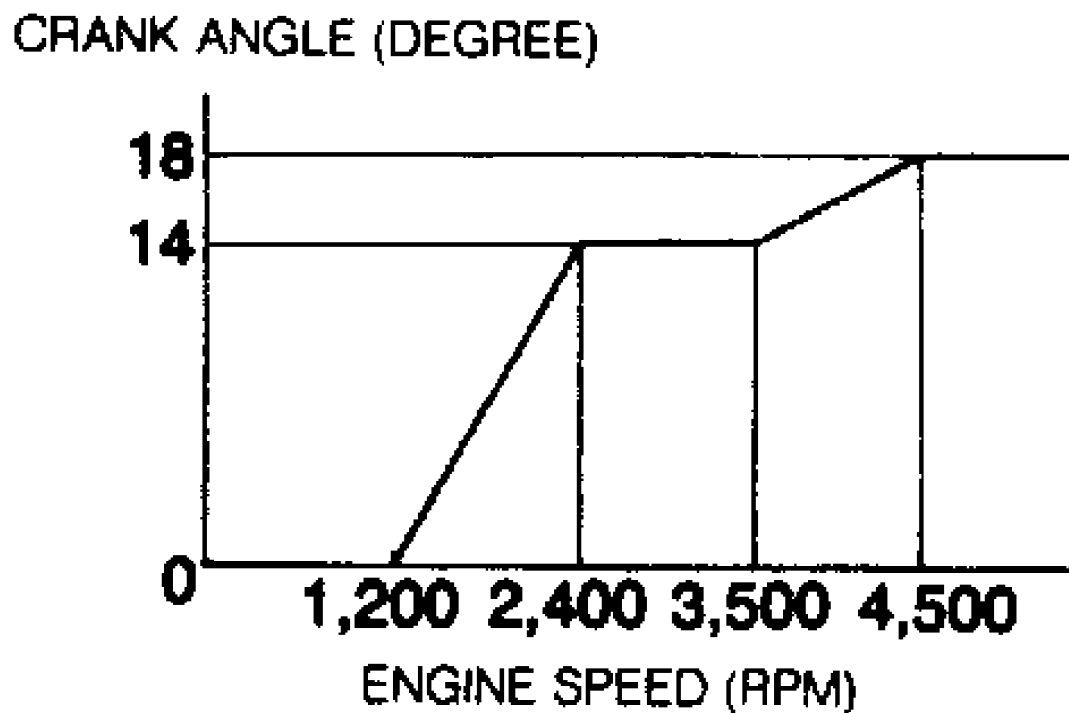
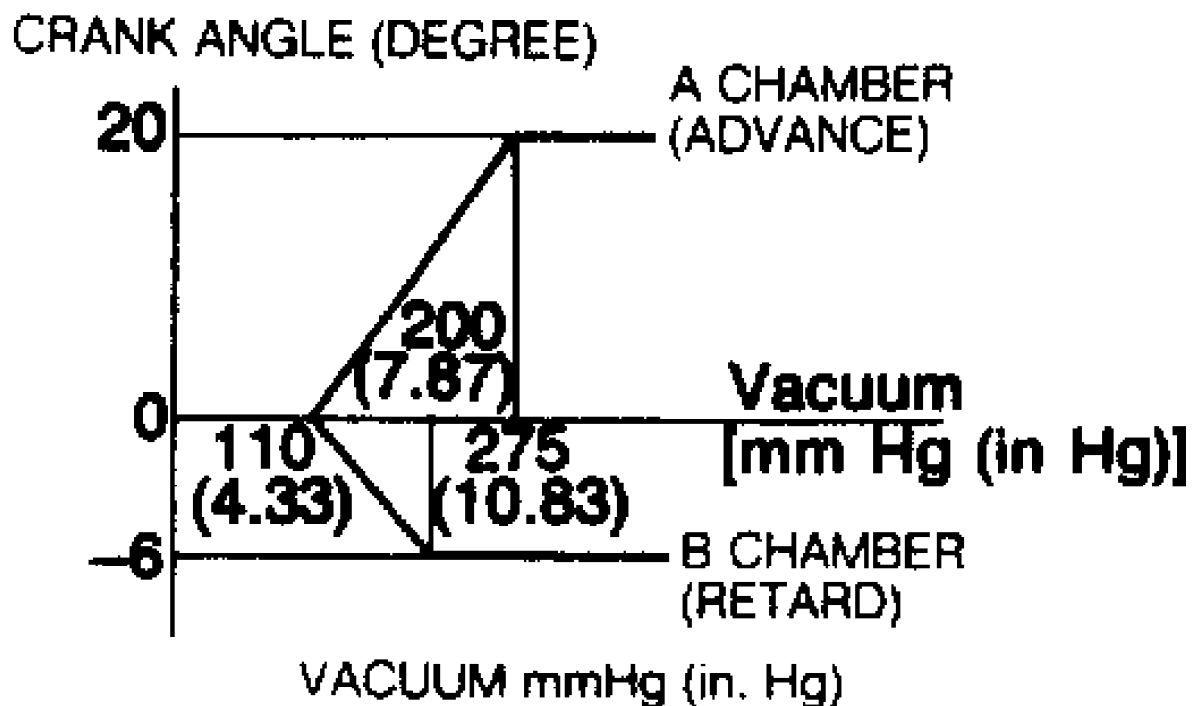


Fig. 9: Ignition Advance/Retard Curve - MX-6 & 626 Non-Turbo
 Courtesy of Mazda Motors Corp.

FUEL PUMP

NOTE: Fuel pump performance measures fuel pressure and volume availability, not regulated fuel pressure.

FUEL PUMP PERFORMANCE

Application	Pressure psi (kg/cm ²)	Min. Vol. in 30 Sec. Pts. (L)
B2200 (Carbureted)		
Electric Pump	2.8-3.6 (.20-.25)	1.1 (.66)
Mechanical Pump	3.7-4.7 (.26-.33)	.9 (.43)
Navajo	(1)	.0 (.49)
RX7	71-92 (5.0-6.5)	(1)
All Others		
Main Fuel Pump	64-85 (4.5-6.0)	1.1 (.66)
Transfer Pump		
Protege 4WD	5.7 (0.4)	1.0 (.57)

(1) - Information is not available from manufacturer.

REGULATED FUEL PRESSURE

Application	At Idle w/ Vacuum psi (kg/cm ²)	At Idle w/o Vacuum psi (kg/cm ²)
B2200 (PFI) & B2600i ..	28-37 (2.0-2.6)	38-46 (2.7-3.2)
Miata	31-38 (2.2-2.7)	38-46 (2.7-3.2)
MPV	30-37 (2.1-2.6)	38-46 (2.7-3.2)
MX-6 & 626	27-33 (1.9-2.3)	34-40 (2.4-2.8)
Navajo	(1)	(2)
Protege & 323	30-37 (2.1-2.6)	38-46 (2.7-3.2)
RX7	27-33 (1.9-2.3)	34-40 (2.4-2.8)
929	31-38 (2.2-2.7)	38-46 (2.7-3.2)

(1) - Pressure should be 30-45 psi (2.2-3.2 kg/cm²) with engine running and 35-45 psi (2.5-3.2 kg/cm²) with key on and engine off.

(2) - Information is not available from manufacturer.

INJECTOR RESISTANCE

INJECTOR RESISTANCE

Application	Ohms
Navajo	13-16
Except Navajo	12-16

IDLE SPEED & MIXTURE

IDLE SPEED SPECIFICATIONS

Application	Man. Trans. RPM	(1) Auto. Trans. RPM
B2200		

Carbureted	.....	825	.....	825
PFI (2)	.....	750	.....	770
B2600i (2)	.....	750	.....	770
Miata (2)	.....	850	.....	850
MPV				
2.6L (2)	.....	750	.....	770
3.0L (2)	.....	800	.....	800
MX-6 (2)	.....	750	.....	750
Navajo	.....	(3)	.....	(3)
Protege (2)	.....	750	.....	750
RX7 (2)	.....	750	.....	750
323 (2)	.....	750	.....	750
626 (2)	.....	750	.....	750
929				
DOHC (2)	.....	N/A	.....	700
SOHC (2)	.....	N/A	.....	650

- (1) - Place automatic transmission in Park.
- (2) - Connect jumper wire between ground and Green test connector.
- (3) - Idle speed is not adjustable, however, throttle angle (minimum air rate) can be set using special procedure. See appropriate D - ADJUSTMENTS article in the ENGINE PERFORMANCE section.

FAST (COLD) IDLE SPEED

FAST (COLD) IDLE SPEED

Application	RPM
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B2200 (Carbureted) (1) 3000-4000
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- (1) - Adjust with throttle lever on highest step of fast idle cam.

DASHPOT SPECIFICATIONS

DASHPOT SPECIFICATIONS

Application	RPM
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B2200 (Carbureted With M/T)	2700-2900
Miata	2350-2650
MPV (3.0L)	3200-3800
Protege		
DOHC	.....	About 3500
SOHC	.....	About 2700
RX7		
Non-Turbo	.....	2700-3100
Turbo	.....	(1)
323	.....	About 3000
929 SOHC	.....	3200-3800

- (1) - See D - ADJUSTMENTS article in ENGINE PERFORMANCE.

THROTTLE POSITION SENSOR (TPS)

NOTE: For information on connector terminal identification and

test conditions specified in the following tables, see appropriate D - ADJUSTMENTS article in the ENGINE PERFORMANCE section.

TPS VOLTAGE - B2200 PFI, B2600i, MPV 2.6L, MX-6 & 626

Red Wire Voltage	Blue Wire Voltage Closed Throttle	Blue Wire Voltage Wide Open Throttle
4.50-4.59	.37-.54	3.58-4.23
4.60-4.69	.38-.55	3.66-4.32
4.70-4.79	.39-.56	3.74-4.41
4.80-4.89	.40-.57	3.82-4.51
4.90-4.99	.40-.58	3.90-4.60
5.00-5.09	.41-.60	3.97-4.70
5.10-5.19	.42-.61	4.05-4.79
5.20-5.29	.43-.62	4.13-4.88
5.30-5.39	.44-.63	4.21-4.98
5.40-5.49	.44-.64	4.29-5.07
5.50	.44-.66	4.29-5.17

TPS CONTINUITY TEST - MIATA, PROTEGE & 323 WITH A/T

Test Condition (1)	(2) Continuity
.004" (.1 mm)	Yes
.024" (.6 mm)	No

- (1) - Insert feeler gauge of specified thickness between throttle lever and throttle stop screw.
 (2) - Check continuity with ohmmeter connected between TPS terminals "E" and IDL.

TPS CONTINUITY TEST - MIATA, PROTEGE & 323 WITH M/T

Test Condition	Continuity Between IDL & TL	Continuity Between POW & TL
Miata		
.016" (.4 mm) (1)	Yes	No
.027" (.7 mm) (1)	No	No
Wide Open Throttle	No	Yes
Protege & 323		
.004" (.10 mm) (1)	Yes	No
.039" (1.0 mm) (1)	No	No
Wide Open Throttle	No	Yes

- (1) - Insert feeler gauge of specified thickness between throttle lever and throttle stop screw.

TPS RESISTANCE - MPV 3.0L & 929

Test Condition	Ohms
MPV 3.0L & 929 SOHC	
Between Terminals "A" & "D"	3500-6500
Between Terminals "B" & "D"	
Closed Throttle	About 1000 or less
Wide Open Throttle	3500-6500
929 DOHC	

Between Terminals "A" & "D"	3000-6000
Between Terminals "B" & "D"	
Closed Throttle	200-600
Wide Open Throttle	3300-7000

TPS ADJUSTMENT - MPV 3.0L & 929

Test Condition (1)	Continuity Between C & D
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MPV 3.0L & 929 SOHC

.020" (.5 mm)	Yes
.028" (.7 mm)	No

929 DOHC

.004" (.1 mm)	Yes
.012" (.3 mm)	No

(1) - Insert feeler gauge of specified thickness between throttle lever and throttle stop screw.

TPS VOLTAGE - RX7

Terminal	Volts With Throttle Closed	Volts With Throttle Fully Open
2F (Narrow Range) .....	.75-1.25	About 5
2G (Full Range) .....	.25-1.25	4.1-4.4

THROTTLE (IDLE) SWITCH

THROTTLE (IDLE) SWITCH VOLTAGE - B2200 CARBURETED

RPM	Volts
825 (Idle)	About 12
About 1000 Or More	Less than 1.5
