TUNE-UP

GLC
626
B2000 Pickup

ENGINE IDENTIFICATION

Engine serial number and model code are stamped on right front upper wall of cylinder block.

Application	Code
GLC	UC
626	MA
B2000	MA

COMPRESSION PRESSURE

Check compression pressure with engine at normal operating temperature, spark plugs removed, throttle valve wide open and engine at cranking speed. Crank engine until maximum pressure is reached at each cylinder. Compression is normal if lowest cylinder reading is at least 75% of highest reading.

Compression Pressure @300 RPM

Application	Min. Pressure psi (kg/cm²)	Max. Pressure psi (kg/cm²)
GLC	112 (7.9)	149 (10.5)
626 & B2000	128 (9.0)	171 (12.0)

VALVE CLEARANCE

Application	Intake In. (mm)	Exhaust In. (mm)
GLC	.010 (.25)	.012 (.30)
626 & B2000	.012 (.30)	.012 (.30)

Adjust valves with engine at normal operating temperature.

VALVE ARRANGEMENT

All Models
Right Side — All Exhaust.
Left Side — All Intake.

SPARK PLUGS

Application	Gap In. (mm)	Torque Ft. Lbs. (mkg)
All Models	.031 (.8)	13 (1.8)

Spark Plug Type

Application	Nippondenso	NGK
All Models	W16EXR-U	①BP-5ES

① — Use BPR-5ES where required for suppression of radio interference.

HIGH TENSION WIRE RESISTANCE

Carefully remove high tension wires from spark plugs and distributor cap. Using an ohmeter, check resistance of wires while gently twisting wire. If resistance is not to specification, or fluctuates from infinity to any value, replace wire.

Resistance (Ohms) of Wire

Application	Resistance
All Models	3300-7000 Ohms per Foot

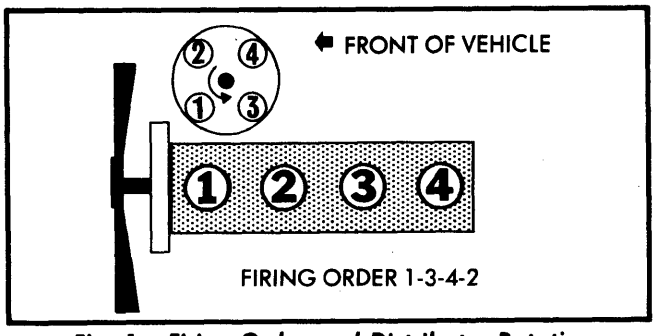

Fig. 1 Firing Order and Distributor Rotation (GLC)

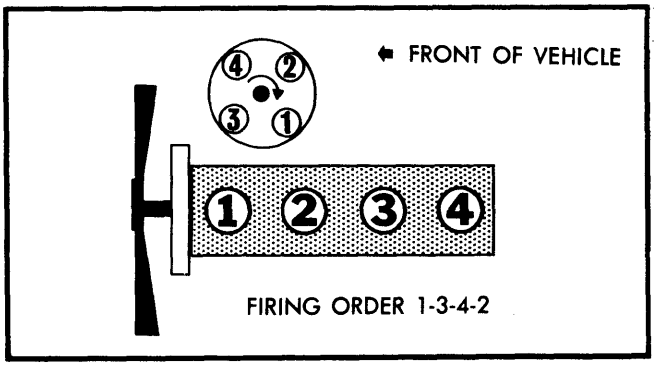

Fig. 2 Firing Order and Distributor Rotation (626 & B2000)

DISTRIBUTOR

All models are equipped with a Mitsubishi breakerless electronic ignition system.

Air Gap	
GLC	.012" (0.30 mm)
626 & B2000	Nonadjustable

IGNITION TIMING

With engine at normal operating temperature, idle speed set to specification and Man. Trans. in neutral or Auto. Trans. in "D", connect timing light, start engine and rotate distributor until specified mark on crankshaft pulley aligns with indicator pin.

Ignition Timing Specifications

Application	Timing
GLC & 626	5°BTDC
B2000	8°BTDC

TUNE-UP (Cont.)

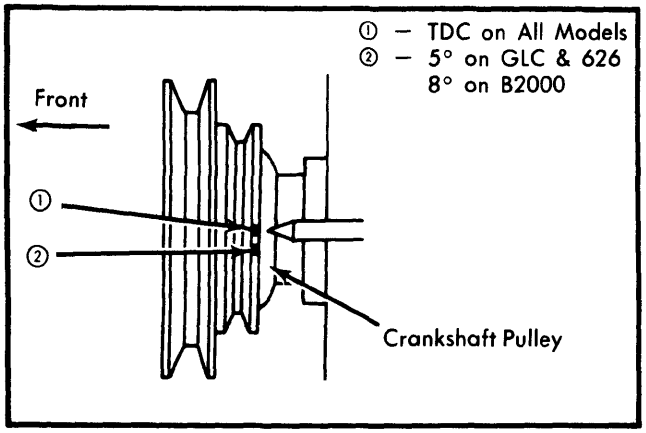

Fig. 3 Mazda Ignition Timing Marks

IDLE SPEED AND MIXTURE

1) Connect tachometer. Start engine, warm to operating temperature, and run at 2000 RPM for 3 minutes. On B2000, disconnect canister purge hose at air cleaner. On all models, adjust idle speed with throttle adjust screw.

2) Connect CO meter at tailpipe. Disconnect air hose between air pump and air cleaner, or reed valve and air cleaner. Plug check valve or reed valve port.

3) Check CO level. If necessary, adjust by turning mixture adjust screw with screwdriver or special tool (498343869). Reconnect hoses and check idle speed. Repeat procedure if idle speed changed during adjustment. Remove test equipment.

Idle Speed & CO Level

Application	Idle RPM	CO%
GLC	650-750	1.0-4.0
626 & B2000	600-700	2.0-4.0

COLD (FAST) IDLE RPM

1) After adjusting curb idle and mixture, remove air cleaner. Hold throttle valve slightly open and push choke closed. Release throttle valve, then choke valve.

2) Start engine without touching accelerator. Check to see that engine speed increases to 3000-4000 RPM. If not, adjust using fast idle adjusting screw located on linkage below choke housing.

FUEL PUMP PRESSURE & VOLUME

Pressure (At Idle)	
GLC	2.8-3.8 psi (.20-.27 kg/cm²)
626 & B2000	2.8-3.6 psi (.20-.25 kg/cm²)
Volume (At Idle)	
GLC	.7 pts. in 30 seconds
626 & B2000	.8 pts. in 30 seconds

EXHAUST EMISSION SYSTEMS

See EXHAUST EMISSION SYSTEMS section.

GENERAL SERVICING

IGNITION

DISTRIBUTOR

All models are equipped with a Mitsubishi breakerless electronic ignition system.

Other Data & Specifications – *See Tune-Up article and appropriate article in DISTRIBUTORS & IGNITION SYSTEMS section.*

IGNITION COIL

Coil Resistance (Ohms@68°F)

Application	Primary	Secondary
GLC	1.28	13,500
626 & B2000	.81-.99	7000

FUEL SYSTEMS

CARBURETORS

Application	Model
GLC	Hitachi 2-Bbl.
626	Nikki 2-Bbl.
B2000	Nikki 2-Bbl.

Other Data & Specifications – *See Tune-Up and Hitachi or Nikki Carburetors in FUEL SYSTEMS Section.*

ELECTRICAL

BATTERY

Application	Amp. Hr. Rating
GLC	
Federal	45
California	33
626	45
B2000	45

STARTER

Mitsubishi	Overrunning Clutch

Starter Specifications

Application	Volts	Amps	Test RPM
626 Auto Trans.	11.5	60	6600
All Other Models	11.5	53	6800

GENERAL SERVICING (Cont.)

ALTERNATOR

All models are equipped with Mitsubishi alternators.

Application	Rated Amp. Output
GLC	30
626	45
B2000	30

ALTERNATOR REGULATOR

All models are equipped with a Mitsubishi adjustable alternator regulator with an operating voltage of 14-15 volts.

BELT ADJUSTMENT

Application	①Deflection
Alternator Belt	.3-.4" (8-10 mm)
Air Conditioner Belt	.6-.7" (15-18 mm)
Air Pump Belt	
GLC	.3-.4" (8-10 mm)
626 & B2000	.4-.6" (10-15 mm)

① – Deflection is with 22 lbs. (10 kg) pressure applied midway on longest belt run.

FILTERS

Filter	Service Interval (Miles)
Oil Filter	Replace every 7500
Air Filter	Replace every 30,000
Fuel Filter (B2000)	Replace every 15,000

CAPACITIES

Application	Quantity
Crankcase (Includes Filter)	
GLC	3.2 qts.
626 & B2000	4.1 qts.
Cooling System (Includes Heater)	
GLC	5.8 qts.
626	7.9 qts.
B2000	7.6 qts.
Man. Trans. (SAE 80W-90)	
4-Speed	1.5 qts.
5-Speed	1.8 qts.
Auto. Trans. (Type "F")	
All Except 626	6.0 qts.
626	6.6 qts.
Rear Axle (SAE 80W-90)	
GLC (Exc. Sta. Wagon)	2.2 pts.
GLC (Sta. Wagon)	1.6 pts.
626	2.6 pts.
B2000	2.8 pts.
Fuel Tank	
GLC (Exc. Sta. Wagon)	10.6 gals.
GLC (Sta. Wagon)	11.9 gals.
626	14.5 gals.
B2000	
Standard Bed	14.8 gals.
Long Bed	17.4 gals.