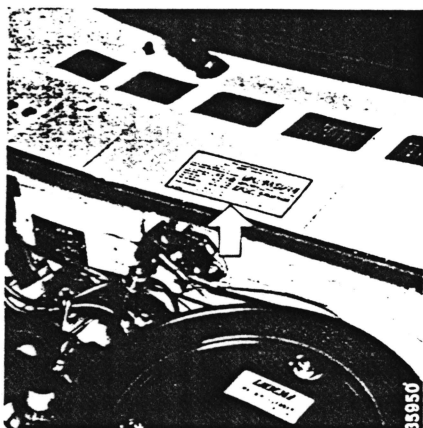


IDENTIFICATION DATA

■ Engine Type 132 C2.031.

■ E.P.A. and California Regulations Conformity Tag.

Engine family 132 air pollution control specifications for correct engine tuneup and adjustments.



SPECIFICATIONS

ENGINE

Max. power - SAE net 80 HP
at 5 000 rpm

Fuel System

Carburetor:

- Manual transmission:
WEBER 28/32 ADHA7/179.
- Automatic transmission:
WEBER 28/32 ADHA8/179.

Exhaust Emission Control System

The secondary air induction system is replaced by a secondary air injection system. An engine-driven air injection pump with built-in centrifugal air cleaner sends an air stream to a one-way check valve and from this, via a gallery in cylinder head, to the exhaust of each cylinder.

A certain amount of the air stream is branched off from the pump and conveyed to the air cleaner where a pressure relief valve cuts it whenever the engine is lugging or then the air pressure exceeds the prescribed value.

MAINTENANCE

Every 15 000 miles - Inspect the air injection pump for defects or damages.
— Check condition of lines and fittings. Renew parts if necessary.

Note - As reed valve and filter are no more fitted to this EEC system, the air injection line must be pinched off upstream of check valve when checking CO emissions.

WEIGHTS

Curb weight
— Manual 2 320 lbs
— Automatic 2 370 lbs
Vehicle load capacity (total 430 lbs):
2 adults (300 lbs) ÷ 130 lbs of luggage.
Gross weight (fully laden)
— Manual 2 750 lbs
— Automatic 2 800 lbs

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49 State - Version

ENGINE

Type 132 C2.040
Number of cylinders, in line 4
Bore and stroke 84 x 90 mm
(3.31 x 3.54 in.)
Total piston displacement 1995 cc
(121.74 cu. in.)
Compression ratio 8.1 to 1
Maximum power (SAE net) 86 HP
at 5 100 rpm

Valve Gear

O. H. V.
Twin O. H. camshafts driven by toothed timing belt with tensioner.

Intake	{ Opens: B.T.D.C. 5°
	{ Closes: A.B.D.C. 53°
Exhaust	{ Opens: B.B.D.C. 53°
	{ Closes: A.T.D.C. 5°

Tappet clearance adjustment, for valve timing .80 mm (.031 in.)
Final tappet operation clearance adjustment, cold engine:

Intake	.45 mm (.018 in.)
Exhaust	.50 mm (.020 in.)

Lubrication System

Forced circulation by gear pump.
Pressure limiter valve on delivery circuit.
Full-flow cartridge oil filter.

Fuel System

Vertical dual-barrel downdraft WEBER 28/32 ADHA 3/179 (ADHA 4/179 for cars fitted with automatic transmission) carburetor with differential opening of the secondary throttle, automatic butterfly valve choke. Idle stop device.

Enrichment system consisting of mechanical accelerating pump, vacuum assisted accelerating pump and power valve.

Carburetor feed, by mechanical pump.

Fuel filter in feed line from fuel pump to carburetor.

Paper cartridge air cleaner with silencer.

Emission Control Systems

Engine feed system provided with fuel recirculation (closed circuit) and evaporative emission control system.

Crankcase emission control (CEC) system (closed circuit) by recirculation of blow-by gases and oil vapors.

Exhaust emission control system (reduces air pollution from the exhaust by gas recirculation and post-combustion process) separate from the CEC system.

Cooling System

Radiator and translucent expansion tank. Water circulated by centrifugal pump. Thermostat with controlled by-pass on cylinder head water outlet duct. Four-blade fan driven by electric motor controlled by thermostatic switch on radiator: cut-in temperature about 90° C.

Ignition System

Firing order 1-3-4-2
Basic ignition timing
— at 800 to 850 rpm (manual transmission), at 700 to 750 rpm (automatic transmission) 10° BTDC
Automatic advance 28°
Spark plugs:

standard type		resistor type	
CHAMPION	N9 Y	CHAMPION	RN9 Y or RN1 OY
AC DELCO	42-XLS	AC DELCO	R42-XLS or R43 -XLS
MARELLI	CW 7LP	MARELLI	CW 7LPR or CW 67 LPR
FIAT	1L4J	FIAT	1L4JR
BOSCH	W7D	BOSCH	WR7D or WR7D2

Thread size 14 x 1.25 mm
Gap
— standard type .6 to .7 mm (.023-.027 in.)
— resistor type .7 to .8 mm (.027-.031 in.)