

97 CU. IN.

(1588cc)

FUEL INJECTION

## ENGINE

FRONT  
OF  
CAR

## CHARGING SYSTEM

BOSCH

## Application

Standard  
Optional  
Operating Voltage

## Rated Output

55A  
65A  
Max. 14.5V

## IGNITION SYSTEM

BOSCH

(\*California — Breakerless)

## SPARK PLUGS

BOSCH  
CHAMPION  
Gap  
TorqueFederal  
W175T30  
N8YCalif.  
WR7DS  
N8GY  
.024"-.032"  
22 Ft. Lb.

## DISTRIBUTOR

Federal  
Calif. \*  
Pickup  
Rotation  
Dwell  
Coil Output (Min.)049 905 205 A  
049 905 205 Q  
049 905 205 R  
CW  
44-50°  
20 kV

NOTE: 44-50° dwell = 49-55%

## IGNITION TIMING

Federal 3° ATDC at 850-1000 rpm  
Calif. 3° ATDC at 880-1000 rpm

## IGNITION ADVANCE

(Engine degrees at 2500 rpm)

	Cent. & Vac.	Cent. Only
049 905 205 A	16-27	12-19
049 905 205 Q	27-33	17-21
049 905 205 R	23	17

## FUEL SYSTEM

BOSCH — FUEL INJECTION

Federal  
Calif.

## IDLE SPEED

Federal 850-1000  
Calif. 880-1000

## FAST IDLE

Federal  
Calif.

Man. Trans.

Auto. Trans.

## IDLE MIXTURE

Emission Level	HC(ppm)	CO(%)
Federal		0.5-0.9
Calif.		0.4-1.2

## Accel. Pump Enrichment

CO Level Increase Snap throttle from 1000 rpm

Federal  
Calif.

## FUEL PUMP (Electric)

Pressure (At Idle) 64-74 psi  
Volume (At Idle) 1 Pint — 30 seconds

## Engine Code

## Tune Up Label

Federal	EJ	
Calif.	EJ	
Firing Order		1-3-4-2
Valve Clearance (Hot)	Int .010" Exh .018"	
Comp. Ratio		8.2-1
Comp. Pressure		142-184 psi
Max. allowable difference between highest and lowest cylinders		42 psi

## STARTING SYSTEM

## BATTERY

Volts/Grd. 12V Neg.  
Cranking Volts (Min.) 8.0V

Application	I.D. Code	AH	Cranking Power Watts at 0°F
Standard		45	
Optional (W/A/C)		54	

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## AIR CONDITIONING SYSTEM

COMPRESSOR	2 Cyl.
BELT TENSION	
Deflection	3/16" — 3/8"
PRESSURES (At 2500 RPM)	
Discharge Side	150-170 psi
Suction Side	14-30 psi
REFRIGERANT CAPACITY	2.06 Lbs. R12

## FUEL INJECTION SYSTEM

Includes:

- Electric Fuel Pump
- Fuel Accumulator
- Fuel Pressure Regulator
- Injectors
- Cold Start Valve
- Auxiliary Air Regulator
- Thermo-Time Switch
- Air Flow Sensor

## IGNITION SYSTEM

DISTRIBUTOR	BOSCH (*Breakerless)		
Federal			049 905 205 A
Calif. *			049 905 205 Q
Pickup			049 905 205 R
Rotation		CW	
Dwell		44-50°	
MECHANICAL ADVANCE	VACUUM ADVANCE		
	Dist. No. 049 905 205 A		
Dist. RPM	Dist. Deg.	In. Vac.	Dist. Deg.
560-700	0	8-10	0
1000	5.5-9	12	2.4
2400	12-15		RETARD
2600	13-15	4-8	0
		8-12	4.5
	Dist. No. 049-905 205 Q		
Dist. RPM	Dist. Deg.	In. Vac.	Dist. Deg.
525-700	0	3-5	0
1100	7.5-10	7-8	5-6
2000	11-13		RETARD
2500	13-15	1-4	0
		5-8	4-5
	Dist. No. 049 905 205 R		
Dist. RPM	Dist. Deg.	In. Vac.	Dist. Deg.
500	0	6	0
1000	7	9	2
1500	10	12	3
2000	12		
2500	14		RETARD
		6	0
		7.5	2.5
		10.5	4.5
		12	4.5

## EMISSION CONTROLS

	Fed.	Cal.	Hi-Alt.
Catalytic Converter	X	X	
Positive Crankcase Ventilation	X	X	
Exhaust Gas Recirculation	X	⊗	
EGR—Temperature Valve	X	⊗	
Two Way Valve (Ac Only)	X	X	
Dual Vacuum Distributor	X	X	
Vacuum Check Valve (Auto. Trans. Only)	X	X	
Deceleration Valve (Man. Trans. Only)	X		
EGR Vac Amplifier	X	⊗	
Oxygen Sensor		X	
Idle Stabilizer		X	
Pickup Only		⊗	

## IGNITION COIL

Federal	171 905 115
Calif. & Pickup	171 905 115 B
Pri. Resistance	0.55-0.75 ohms
Sec. Resistance	2500-3500 ohms

## HI TENSION WIRE RESISTANCE

Secondary wire resistance	10,000 ohms max.
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