

ENGINE



↓
Front
of
Car

Engine Code Tune Up Label
EE, EF

| | |
|-----------------------------------|-------------|
| Firing Order | 1-3-4-2 |
| Valve Clearance (Cold) Int. .010" | Exh. .018" |
| Comp. Ratio | 8.2-1 |
| Comp. Pressure | 142-184 psi |
| Max. Difference | 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 | 42 | 45 | |
| Optional | 42 | 54 | |

CHARGING SYSTEM

BOSCH or MOTOROLA

| Application | Rated Output |
|-------------------|--------------|
| Standard | 55A |
| Optional | 65A |
| Operating Voltage | 12.5-14.5V |

IGNITION SYSTEM

BOSCH

SPARK PLUGS

| | |
|--------|------------|
| BOSCH | W215T30 |
| Gap | .028" |
| Torque | 22 Ft.-Lb. |

DISTRIBUTOR

| | |
|--------------------|---------------|
| All Models | 049 905 205 A |
| Rotation | CW |
| Dwell | 44°-50° |
| Coil Output (Min.) | 20 KV |

Note: 44-50° dwell = 49-55%.

IGNITION TIMING

| | |
|--------------|-------------------------|
| Man. Trans. | 3° ATDC at 850-1000 rpm |
| Auto. Trans. | 3° ATDC at 850-1000 rpm |

IGNITION ADVANCE

(Engine degrees at 2500 rpm)

| | Cent. & Vac. | Cent. Only |
|---------------|--------------|------------|
| 049 905 205 A | 16-27 | 12-19 |

FUEL SYSTEM

BOSCH - FUEL INJECTION

| | Man. Trans. | Auto. Trans. |
|--|-------------|--------------|
|--|-------------|--------------|

| | | |
|-----------|--|--|
| Federal | | |
| Calif. | | |
| High Alt. | | |

IDLE SPEED

| | |
|--------------|----------|
| Man. Trans. | 850-1000 |
| Auto. Trans. | 850-1000 |

IDLE MIXTURE

| Emission Level | HC(ppm) | CO(%) |
|----------------|---------|----------|
| Man. | | 1.5 max. |
| Auto. | | 1.0 max. |
| Calif. | | .3 max. |

Accel. Pump Enrichment

CO Level Increase Snap throttle from 1000 rpm

FUEL PUMP - ELECTRIC

| | |
|--------------------|--------------------|
| Pressure (At Idle) | 64-74 psi |
| Volume (At Idle) | 750cc - 30 seconds |
| Vacuum (At Idle) | |

97 CU. IN. (1588cc) FUEL INJECTION

AIR CONDITIONING SYSTEM

COMPRESSOR 2 Cyl.

BELT TENSION

New
Used

PRESSURES (At 2500 RPM)

Discharge Side 150-170 PSI
Suction Side 14-30 PSI

REFRIGERANT CAPACITY

2.12 Lbs. R12

FUEL INJECTION SYSTEM

Includes:

Electric Fuel Pump
Fuel Pressure Regulator
Injectors
Electronic Control Unit
Cold Start Valve
Auxiliary Air Regulator
Controls and Sensors
Intake Air Sensor
Temperature Sensor
Thermo-Time Switch
Air Flow Potentiometer
Throttle Valve Switch

IGNITION SYSTEM

DISTRIBUTOR BOSCH

All Models 049 905 205 A
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 | Start | 8-10 | Start |
| 1000 | 5.5-9 | 12 | 2.4 |
| 2400 | 12-15 | | Retard |
| 2600 | 13-15 | 4-8 | Start |
| | | 8-12 | 4.5 |

EMISSION CONTROLS

| | Fed. | Cal. | Hi-Alt. |
|--|------|------|---------|
| Catalytic Converter | | | X |
| Positive Crankcase Ventilation | X | X | |
| Exhaust Gas Recirculation | X | X | |
| EGR-Temperature Valve | X | 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 | X | |