1974-79 TUNE-UP PROCEDURES
Honda 4-Cylinder

Accord, Civic, Civic CVCC, Prelude

ENGINE IDENTIFICATION

Engine serial number is stamped on a machined surface at rear of engine, near starter. Engine serial number is preceded by engine model number.

1974-75 ENGINE CODES

Application	Code
Civic	EB2
Civic CVCC	ED1

1976-78 ENGINE CODES

Application	Code
Accord	EF1
Civic	EB2, EB3
Civic CVCC	
Sedan	ED3
Station Wagon	ED4

1979 ENGINE CODES

Application	Code
Accord & Prelude	EK1
Civic	EB3
Civic CVCC	
Sedan	ED3
Station Wagon	ED4

MODEL IDENTIFICATION

Model identification number is stamped on a metal tag and riveted to dash. Tag is visible through windshield. Number also appears on left door post, and under hood (behind air cleaner).

ENGINE COMPRESSION

Check compression with engine at normal operating temperature and normal cranking speed (400 RPM). Ensure that air cleaner and spark plugs are removed and hold throttle and choke valves wide open.

1974-78 COMPRESSION PRESSURE SPECIFICATIONS

Application	Pressure
Accord	170 psi (12.0 kg/cm²)
Civic	155 psi (10.9 kg/cm²)
Civic CVCC	136-192 psi (9.6-13.5 kg/cm²)

1979 COMPRESSION PRESSURE SPECIFICATIONS

Application	Pressure
Accord & Prelude	156 psi (11.0 kg/cm²)
Civic	164 psi (11.5 kg/cm²)
Civic CVCC	136-192 psi (9.6-13.5 kg/cm²)

VALVE CLEARANCE

1) Adjust valves with engine cold. With No. 1 cylinder piston at TDC of compression stroke (index marks on camshaft pulley parallel to cylinder head surface and distributor rotor pointing to No. 1 plug wire), adjust valves for No. 1 cylinder.

2) Repeat procedure for remaining valves in firing order sequence, rotating crankshaft 180 degrees counterclockwise after each adjustment to position piston of next cylinder in sequence at TDC of compression stroke.

1974-76 VALVE CLEARANCE SPECIFICATIONS

Application	Clearance
Accord	.006" (.15 mm)
Civic	.004-.006" (.10-.15 mm)
Civic CVCC	.006" (.15 mm)

1977-78 VALVE CLEARANCE SPECIFICATIONS

Application	Clearance
Accord & Civic CVCC	
Intake & Auxiliary	.005-.007" (.13-.18 mm)
Exhaust	.007-.009" (.18-.23 mm)
Civic	
Intake & Exhaust	.004-.006" (.10-.15 mm)

1979 VALVE CLEARANCE SPECIFICATIONS

Application	Clearance
Accord & Prelude	
Intake & Auxiliary	.005-.007" (.13-.18 mm)
Exhaust	.010-.012" (.25-.30 mm)
Civic	
Intake & Exhaust	.004-.006" (.10-.15 mm)
Civic CVCC	
Intake & Auxiliary	.005-.007" (.13-.18 mm)
Exhaust	.007-.009" (.18-.23 mm)

VALVE ARRANGEMENT

Accord, Civic CVCC & Prelude
Left Side - I-E-E-I-I-E-E-I.
Right Side - All Auxiliary.

Civic
Left Side - All Intake.
Right Side - All Exhaust.

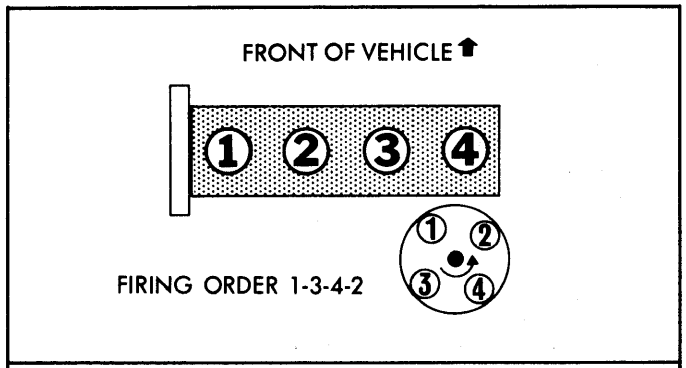

Fig. 1: Accord, Civic CVCC & Prelude Firing Order & Distributor Rotation

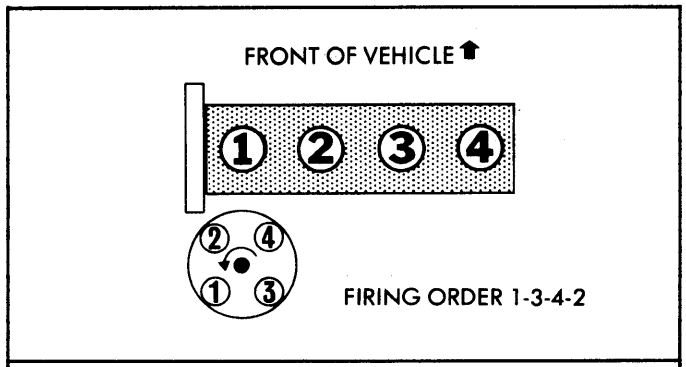

Fig. 2: Civic Firing Order & Distributor Rotation

SPARK PLUGS

SPARK PLUG SPECIFICATIONS

Application	Specification
Gap	.028-.032" (.7-.8 mm)
Torque	
Accord, Civic CVCC & Prelude	11-18 ft. lbs. (15-24 N.m)
Civic	9-12 ft. lbs. (12-16 N.m)

1974-79 TUNE-UP PROCEDURES
Honda 4-Cylinder (Cont.)

1975-78 SPARK PLUG TYPE

Application	NGK
Accord	[1] B-6EB
Civic	BP-6ES
Civic CVCC	[1] B-6EB

[1] - Use spark plug No. B-5EB in cold climates.

1979 SPARK PLUG TYPE

Application	NGK
Accord & Prelude	B-7EB
Civic	BP-6ES
Civic CVCC	B-6EB

HIGH TENSION WIRE RESISTANCE

Carefully remove ends of wire from spark plug and distributor. Using an ohmmeter, check resistance of wire while gently twisting wire. If resistance is not to specification, replace wire.

HIGH TENSION WIRE RESISTANCE

Application	Resistance (Ohms)
All Models	25,000-30,000

DISTRIBUTOR

The 1979 Accord and Prelude are equipped with electronic ignition systems. All other models are equipped with Hitachi single-point distributors.

DISTRIBUTOR SPECIFICATIONS

Application	Specification
Point Gap	.018-.022" (.45-.55 mm)
Dwell Angle	49-55°
Breaker Arm Spring Tension	18-21 ozs. (500-600 g)
Condenser Capacity	.20-.24 mfd.

IGNITION TIMING

1) With engine at normal operating temperature and idle speed set to specification, connect a timing light and tachometer to engine. Place manual transmission in Neutral, automatic transmission in Drive ("2").
2) On Accord, Civic CVCC and Prelude, remove rubber inspection cap from inspection window on cylinder block (at flywheel housing). On Civic, check timing at crankshaft pulley.
3) To adjust timing, loosen distributor retaining bolt and rotate distributor until specified mark aligns with index pointer. Tighten distributor retaining bolt and recheck timing.

1974 IGNITION TIMING SPECIFICATIONS

Application	Timing
Civic	5°BTDC

1975 IGNITION TIMING SPECIFICATIONS

Application	Man. Trans.	Auto. Trans.
Civic	7°BTDC	7°BTDC
Civic CVCC	TDC	3°ATDC

1976 IGNITION TIMING SPECIFICATIONS

Application	Man. Trans.	Auto. Trans.
Accord	TDC	2°BTDC
Civic	7°BTDC	7°BTDC
Civic CVCC	2°BTDC	[1] 2°BTDC

[1] - Set station wagons to TDC.

1977-78 IGNITION TIMING SPECIFICATIONS

Application	Man. Trans.	Auto. Trans.
Accord & Civic CVCC		
Federal	6°BTDC	6°BTDC
Calif. & High Alt.	2°BTDC	TDC
Civic	TDC	TDC

1979 IGNITION TIMING SPECIFICATIONS

Application	Man. Trans.	Auto. Trans.
Accord & Prelude		
Federal	[1] 6°BTDC	[2] 4°BTDC
Calif. & High Alt.	[3] TDC	[4] 2°ATDC
Civic	[5] 2°BTDC	[5] 2°BTDC
Civic CVCC		
Federal	[1] 6°BTDC	[1] 6°BTDC
Calif. & High Alt.	[5] 2°BTDC	[5] 2°BTDC

[1] - Yellow mark on flywheel.
[2] - Blue mark on flywheel.
[3] - White mark on flywheel.
[4] - Black mark on flywheel.
[5] - Red mark on flywheel.

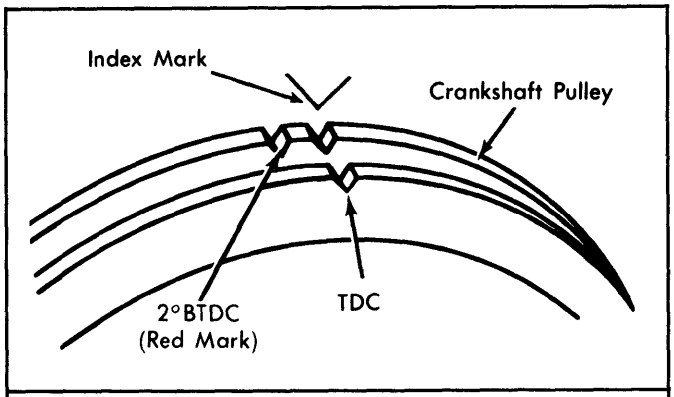

Fig. 3: 1979 Accord & Prelude Ignition Timing Mark Location

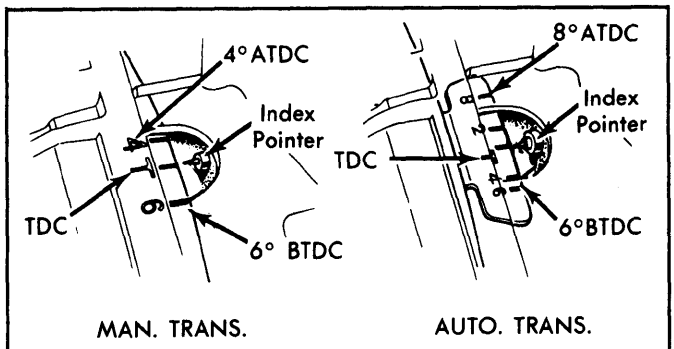

Fig. 4: 1974-79 Civic Ignition Timing Mark Location

IDLE SPEED & MIXTURE

EXHAUST GAS ANALYZER METHOD

1) With engine at normal operating temperature, connect exhaust gas analyzer and tachometer to vehicle. Place manual transmission in Neutral, automatic transmission in Drive ("2"). Turn headlights and cooling fan on.
2) Adjust idle speed screw until idle speed is set to specifications. Remove mixture screw limiter cap and adjust mixture screw until CO% level is within specifications.

1974-79 TUNE-UP PROCEDURES
Honda 4-Cylinder (Cont.)

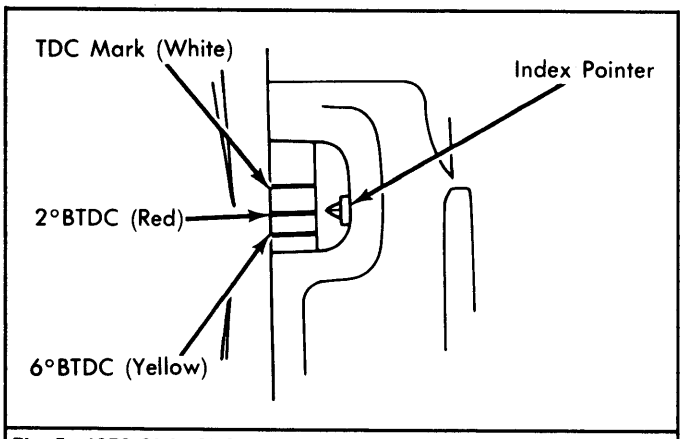

Fig. 5: 1979 Civic CVCC Ignition Timing Mark Location

3) Recheck idle speed and CO% level and adjust as necessary to obtain best balance between idle speed and CO% level. Install new limiter cap on mixture screw.

4) On 1979 Accord and Prelude models equipped with air conditioning, check idle speed with A/C on. Speed should remain within specifications. If not, remove rubber cap on idle boost diaphragm and adjust speed by turning adjusting screw. *See Fig. 6.*

1974 IDLE SPEED & CO% LEVEL SPECIFICATIONS

Application	Idle RPM	CO%
Civic		
Man. Trans.	750-850	1.3 Max.
Auto. Trans.	700-800	1.3 Max.

1975 IDLE SPEED & CO% LEVEL SPECIFICATIONS

Application	Idle RPM	CO%
Civic		
Man. Trans.	750-850	1.5 Max.
Auto. Trans.	700-800	1.5 Max.
Civic CVCC		
Man. Trans.	800-900	.1-.4 Max.
Auto. Trans.	700-800	.1-.4 Max.

1976-77 IDLE SPEED & CO% LEVEL SPECIFICATIONS

Application	Idle RPM	CO%
Accord & Civic CVCC		
Man. Trans.	750-850	0.4 Max.
Auto. Trans.	[1] 650-750	0.4 Max.
Civic		
Man. Trans.	750-850	0.35 Max.
Auto. Trans.	700-800	0.35 Max.

[1] – On Accord, set idle speed to 630-730 RPM.

1978-79 IDLE SPEED & CO% LEVEL SPECIFICATIONS

Application	Idle RPM	CO%
Accord & Prelude	650-750	0.4 Max.
Civic	650-750	0.35 Max.
Civic CVCC		
Man. Trans.	700-800	0.4 Max.
Auto. Trans.	600-700	0.4 Max.

TACHOMETER (LEAN DROP) METHOD

1) Warm engine to normal operating temperature. Place manual transmission in Neutral, automatic transmission in Drive ("2"). Turn on headlights and cooling fan.

2) Remove mixture screw limiter cap and turn screw counterclockwise (rich) until highest RPM is obtained. Adjust idle speed screw to obtain specified adjusting RPM (enriched RPM).

3) Now turn mixture screw clockwise (lean) until idle speed drops to idle RPM or RPM drop specified in applicable ENRICHED IDLE SPEED SPECIFICATIONS table. Replace limiter cap with point 180 degrees away from boss on carburetor body.

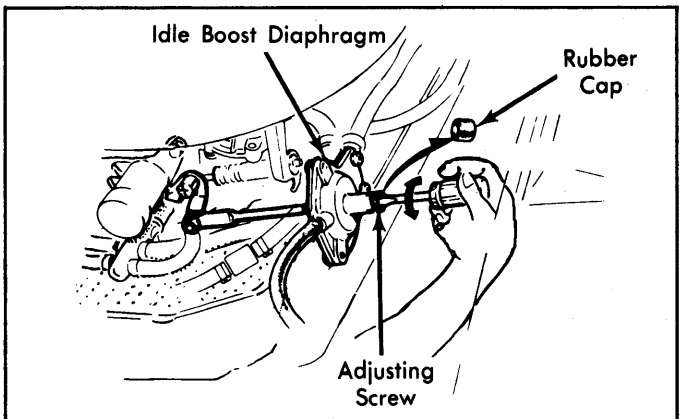

Fig. 6: Accord & Prelude Idle Boost Diaphragm Adjustment

1974 ENRICHED IDLE SPEED SPECIFICATIONS

Application	Adjusting RPM	RPM Drop
Civic		
Man. Trans.	800	40
Auto. Trans.	750	20

1975-76 ENRICHED IDLE SPEED SPECIFICATIONS

Application	Adjusting RPM	RPM Drop
Accord		
Man. Trans.	880	80
Auto. Trans.	730	50
Civic		
Man. Trans.	870	70
Auto. Trans.	770	20
Civic CVCC		
Man. Trans.	910	60
Auto. Trans.	810	60

1977 ENRICHED IDLE SPEED SPECIFICATIONS

Application	Adjusting RPM	RPM Drop
Accord		
Federal & Calif.		
Man. Trans.	850	50
Auto. Trans.	710	30
High Alt. [1]		
Man. Trans.	920/970	120/170
Auto. Trans.	760/780	80/100
Civic		
Man. Trans.	850	100
Auto. Trans.	800	50
Civic CVCC		
Federal & Calif.		
Man. Trans.	860	60
Auto. Trans.	740	40
High Alt. [1]		
Man. Trans.	920/970	120/170
Auto. Trans.	780/800	80/100

[1] – First RPM reading (before slash) is at high altitude; second reading is at sea level.

1974-79 TUNE-UP PROCEDURES
Honda 4-Cylinder (Cont.)

1978 ENRICHED IDLE SPEED SPECIFICATIONS

Application	Enriched RPM	Idle RPM
Accord		
Federal		
Man. Trans.	790	700
Auto. Trans.	710	650
Calif & High Alt.		
Man. Trans.	810	700
Auto. Trans.	730	650
Civic		
Man. Trans.	800	700
Auto. Trans.	750	700
Civic CVCC		
Man. Trans.	810	700
Auto. Trans.	730	650

1979 ENRICHED IDLE SPEED SPECIFICATIONS

Application	Man. Trans. (RPM)	Auto. Trans. (RPM)
Accord & Prelude		
Federal	780	750
Calif. & Hi. Alt.	770	750
Civic	800	750
Civic CVCC	810	730

COLD (FAST) IDLE RPM

Accord (1976-77) & Civic CVCC - With engine at normal operating temperature and choke knob pulled out to second detent, note fast idle RPM. To adjust, alter size of slot in fast idle adjusting link. Narrow slot to lower RPM; widen slot to increase RPM.

Accord (1978-79) & Prelude - With engine off and at normal operating temperature, disconnect vacuum hose from choke unloader. Hold choke valve closed, then open and close throttle to engage fast idle cam. Start and run engine for 1 minute and check fast idle RPM. If not within specifications, adjust by turning fast idle adjusting screw.

Civic (1974-76) - With engine at normal operating temperature and choke pulled out to first detent, fast idle speed should be within specifications. To adjust, bend choke rod linkage.

Civic (1977-79) - With engine at normal operating temperature, align choke lever arm with boss at top of carburetor. Start engine and note fast idle RPM. To adjust, alter size of slot in throttle link lever. Narrow slot to lower RPM; widen slot to increase RPM.

1974 FAST IDLE SPEED SPECIFICATIONS

Application	RPM
Civic	1500-2000

1975-76 FAST IDLE SPEED SPECIFICATIONS

Application	RPM
Accord	
Man. Trans.	2500-3500
Auto. Trans.	2000-3000
Civic	2500-2800
Civic CVCC	
Man. Trans.	2700-3300
Auto. Trans.	2600-3200

1977 FAST IDLE SPEED SPECIFICATIONS

Application	RPM
Accord & Civic CVCC	
Man. Trans.	2500-3500
Auto. Trans.	2000-3000
Civic	1400-2200

1978 FAST IDLE SPEED SPECIFICATIONS

Application	RPM
Accord	2500-3500
Civic	1400-2200
Civic CVCC	2100-3100

1979 FAST IDLE SPEED SPECIFICATIONS

Application	RPM
Accord & Prelude	
Man. Trans.	2300-3300
Auto. Trans.	2200-3200
Civic	1400-2200
Civic CVCC	2100-3100

FUEL PUMP

FUEL PUMP SPECIFICATIONS

Application	Specification
Pressure	2-3 psi (.13-.18 kg/cm²)
Volume	0.4 pts. in 30 sec.

EXHAUST EMISSION SYSTEMS

See appropriate articles in EXHAUST EMISSION SYSTEMS section.

IGNITION SYSTEM

DISTRIBUTOR

The 1979 Accord and Prelude are equipped with electronic ignition systems. All other models are equipped with Hitachi single-point distributors.

Other Data & Specifications - See Hitachi Distributors in DISTRIBUTORS & IGNITION SYSTEMS section.

IGNITION COIL

IGNITION COIL SPECIFICATIONS

Application	Resistance (Ohms)
Primary	
Accord & Prelude	1.78-2.08
Civic & Civic CVCC	1.35-1.65
Secondary	
Accord & Prelude	8800-13,200
Civic	6800-10,200
Civic CVCC	8000-12,000

FUEL SYSTEMS

CARBURETORS

1974-76 CARBURETORS

Application	Model
Accord	Keihin 2-Bbl.
Civic	Hitachi DCG-306
Civic CVCC	Keihin 2-Bbl.

1977-79 CARBURETORS

Application	Model
All Models	Keihin 2-Bbl.

Other Data & Specifications - See Hitachi or Keihin Carburetor articles in FUEL SYSTEMS section.