

C - SPECIFICATIONS

Article Text

1993 Honda Prelude

For Cadi Centre Nsk CA 95051

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Sunday, July 08, 2001 11:23AM

ARTICLE BEGINNING

1993 ENGINE PERFORMANCE

Honda Service & Adjustment Specifications

Accord, Civic, Civic Del Sol, Prelude

INTRODUCTION

Use this article to quickly find specifications related to servicing and on-vehicle adjustments. This is a quick-reference article to use when you are familiar with an adjustment procedure and only need a specification.

CAPACITIES

BATTERY SPECIFICATIONS

AA

Application	Amp Hr. Rating
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Accord & Civic	52
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Civic Del Sol	36
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Prelude	55
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FLUID CAPACITIES

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Application	Quantity
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Crankcase (Includes Filter)

Accord	4.0 Qts. (3.8L)
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Civic & Civic Del Sol	3.5 Qts. (3.3L)
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Prelude

2.2L Engine (F22A1)	4.0 Qts. (3.8L)
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2.2L Engine (H22A1)	5.1 Qts. (4.8L)
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2.3L Engine (H23A1)	4.2 Qts. (4.0L)
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Cooling System (Includes Heater)

Accord

Automatic Transaxle	7.5 Qts. (7.1L)
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Manual Transaxle	7.0 Qts. (6.6L)
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Civic & Civic Del Sol

Automatic Transaxle

1.5L Engine	4.6 Qts. (4.4L)
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1.6L Engine	5.0 Qts. (4.7L)
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Manual Transaxle	4.8 Qts. (4.5L)
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Prelude

Automatic Transaxle

2.2L Engine (F22A1)	7.4 Qts. (7.0L)
2.3L Engine (H23A1)	7.7 Qts. (7.3L)
Manual Transaxle	
2.2L Engine (F22A1)	7.5 Qts. (7.1L)
2.2L Engine (H22A1)	8.2 Qts. (7.8L)
2.3L Engine (H23A1)	7.8 Qts. (7.4L)
Automatic Transaxle (Dexron-II)	
Accord	
Oil Change	2.5 Qts. (2.4L)
Overhaul	6.3 Qts. (6.0L)
Civic	
Oil Change	3.0 Qts. (2.8L)
Overhaul	6.1 Qts. (5.8L)
Civic Del Sol	
Oil Change	2.9 Qts. (2.7L)
Overhaul	6.2 Qts. (5.9L)
Prelude	
Oil Change	2.5 Qts. (2.4L)
Overhaul	6.3 Qts. (6.0L)
Manual Transaxle (SAE 30W, 10W-40 & 20W-40)	
Accord	
Oil Change	2.0 Qts. (1.9L)
Overhaul	2.1 Qts. (2.0L)
Civic & Civic Del Sol	
Oil Change	1.9 Qts. (1.8L)
Overhaul	2.0 Qts. (1.9L)
Prelude	
Oil Change	2.0 Qts. (1.9L)
Overhaul	2.1 Qts. (2.0L)

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QUICK-SERVICE

SERVICE INTERVALS & SPECIFICATIONS

REPLACEMENT INTERVALS

Component	Interval (Miles)
Oil & Filter	7500
Air Filter	30,000
Brake Fluid	30,000
Coolant	45,000
Fuel Filter	60,000
Spark Plugs	30,000
Transaxle Fluid	30,000

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BELT ADJUSTMENT - ACCORD & PRELUDE

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Application	(1) Deflection - In. (mm)
Alternator	13/32-15/32 (10-12)
A/C Compressor	13/32-15/32 (10-12)
Power Steering	9/16-5/8 (14-16)

(1) - With 22 lbs. (10 kg) pressure applied midway on longest belt run.
AA

BELT ADJUSTMENT - CIVIC & CIVIC DEL SOL

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Application	(1) Deflection - In. (mm)
Alternator	5/16-13/32 (8-10)
A/C Compressor	3/16-9/32 (5-7)
Power Steering	5/16-15/32 (8-12)

(1) - With 22 lbs. (10 kg) pressure applied midway on longest belt run.
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MECHANICAL CHECKS

ENGINE COMPRESSION

Check engine compression at specified cranking speed, with engine at normal operating temperature, all spark plugs removed and throttle wide open.

ENGINE COMPRESSION (1)

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Model	Standard psi (kg/cm ²)	Minimum psi (kg/cm ²)	Minimum RPM
Accord & Prelude	178 (12.5)	135 (9.5)	250
Civic & Civic Del Sol	185 (13.0)	135 (9.5)	250

(1) - Maximum variation between cylinders is 28 psi (2.0 kg/cm²).
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VALVE CLEARANCE

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Model	Intake		Exhaust
	In. (mm)		In. (mm)
Accord009-.011 (.23-.28)	..	.011-.013 (.28-.32)
Prelude			
2.2L Engine009-.011 (.23-.28)	..	.011-.013 (.28-.32)
2.3L Engine003-.004 (.07-.11)	..	.006-.007 (.15-.19)
AA			

VALVE CLEARANCE ADJUSTMENT SPECIFICATIONS - CIVIC & CIVIC DEL SOL			
AA			
Model	Intake		Exhaust
	In. (mm)		In. (mm)
All Models007-.009 (.17-.23)	..	.009-.011 (.23-.28)
AA			

IGNITION SYSTEM

IGNITION COIL

IGNITION COIL RESISTANCE - Ohms @ 68°F (20°C)			
AA			
Application	Primary		Secondary
Accord & Prelude6-.8	14,400-21,600
Civic & Civic Del Sol6-.8	12,800-19,200
AA			

DISTRIBUTOR SENSORS

Triggering of fuel injectors is dependent upon pulsed voltage signals generated by TDC/CRANK/CYL sensors. For testing of these signals, see F - BASIC TESTING article in the ENGINE PERFORMANCE Section.

TDC/CRANK/CYL SENSOR RESISTANCE	
AA	
Application	Ohms
Accord	260-500
Civic, Civic Del Sol & Prelude	350-700
AA	

HIGH TENSION WIRE RESISTANCE

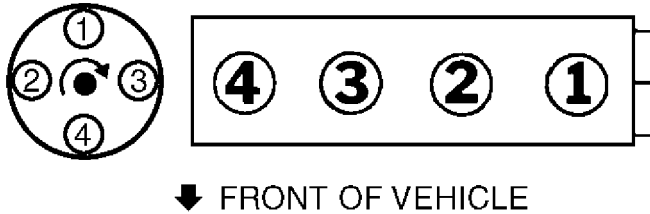
HIGH TENSION WIRE RESISTANCE

C - SPECIFICATIONS

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All Models ..... .039-.043 (1.0-1.1) ..... 13 (18)
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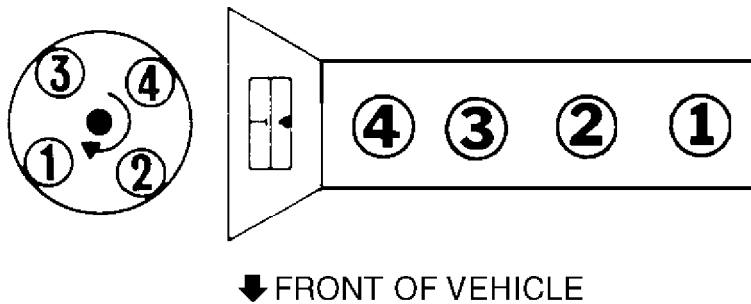
FIRING ORDER 1-3-4-2



90H14800

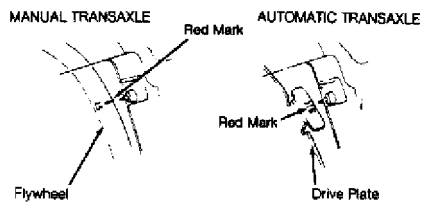
Fig. 2: Firing Order & Distributor Rotation (Civic & Civic Del Sol)
Courtesy of American Honda Motor Co., Inc.

FIRING ORDER 1-3-4-2



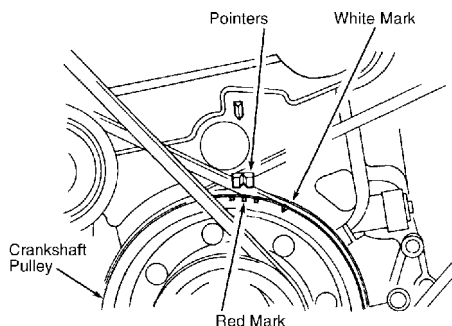
92F25127

Fig. 3: Firing Order & Distributor Rotation (Prelude)
Courtesy of American Honda Motor Co., Inc.



90J14802

Fig. 4: Locating Ignition Timing Marks (Accord & Prelude)
Courtesy of American Honda Motor Co., Inc.



90A14803

Fig. 5: Locating Ignition Timing Marks (Civic & Civic Del Sol)
Courtesy of American Honda Motor Co., Inc.

IGNITION TIMING

IGNITION TIMING (Degrees BTDC @ RPM)

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Application	Specification
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Accord & Prelude	13-17 @ 700-800
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Civic & Civic Del Sol

1.5L Engine (D15B7)

A/T	16 @ 700
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M/T	16 @ 650
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1.5L Engine (D15B8)	12 @ 650
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1.5L Engine (D15Z1)	16 @ 600
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1.6L Engine (D16Z6)

A/T	16 @ 700
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M/T	16 @ 650
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FUEL SYSTEM

FUEL PUMP

REGULATED FUEL PRESSURE (1)

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Application	At Idle psi (kg/cm ²)
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Accord, Civic & Civic Del Sol

Vacuum Hose Disconnected	40-47 (2.8-3.3)
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Vacuum Hose Connected	30-38 (2.1-2.7)
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Prelude

2.2L Engine (F22A1)

Vacuum Hose Disconnected	36-43 (2.5-3.0)
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Vacuum Hose Connected	28-35 (2.0-2.5)
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2.2L Engine (H22A1)

Vacuum Hose Disconnected	33-40 (2.3-2.8)
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Vacuum Hose Connected	25-32 (1.8-2.3)
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2.3L Engine (H23A1)

Vacuum Hose Disconnected	36-43 (2.5-3.0)
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Vacuum Hose Connected	28-35 (2.0-2.5)
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(1) - Measure regulated fuel pressure with vacuum hose connected and disconnected from pressure regulator.

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INJECTOR RESISTANCE

FUEL INJECTOR RESISTANCE

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Application Ohms

Accord & Prelude

Injector 1.5-2.5

Injector Resistor 5-7

Civic & Civic Del Sol

Injector 10-13

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IDLE SPEED & CO MIXTURE

For further information on idle speed adjustments and specifications, see D - ADJUSTMENTS article in the ENGINE PERFORMANCE Section.

IDLE SPEED SPECIFICATIONS

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Application (1) RPM

Accord & Prelude 500-600

Civic & Civic Del Sol 370-470

(1) - With Electronic Air Control Valve (EACV) disconnected, headlights and cooling fan off and transmission in Neutral or Park.

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IDLE CO LEVEL

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Application CO Level

All Models 0.1%

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THROTTLE ANGLE (POSITION) SENSOR

NOTE: For testing procedures, refer to G - TESTS W/CODES or I - SYSTEM/COMPONENT TESTS article in the ENGINE PERFORMANCE Section.

THROTTLE ANGLE (POSITION) SENSOR VOLTAGE

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Condition Volts

Throttle Valve

Wide Open 4.5
AA

END OF ARTICLE