

## 2001 TECHNICAL INFORMATION FORM

**MANUFACTURER:** HONDA

**MODEL & YEAR:** CIVIC SI 1999-2000

**CLASS:**  **SGS**  **GS**  **ST**  **C2K**

**Engine Type / Displacement:** 1.6 L 4 Cylinder Model B16A

**Net Horsepower:** 160 @ 7600 RPM

**Number of Cylinders:** 4

**Production Vehicle Weight:** 2601 lbs. **Grand-Am Cup Official Weight:** 2400 lbs.

**Compression Ratio:** 10.2:1 **Boost Pressure (max):** N/A

**Drive Type:**  Front  Rear  AWD

**Engine Location:**  Front  Mid  Rear

**Fuel Tank Capacity (US Gallons):** 11.9 **M.C. Capacity (US Gallons):** \_\_\_\_\_

**Induction System:**  Turbo  Supercharged  Normally Aspirated

**Suspension Type:** **Front:** Double Wishbone  
**Rear:** Double Wishbone

**Chassis Type:** Steel unit body

# 2001 TECHNICAL INFORMATION FORM

## GENERAL ENGINE

Bore: 81 mm      Stroke: 77.4 mm  
 Compression Ratio:      Nominal: 10.2:1  
    Max.: 10.4:1  
 Head Gasket Thickness (compressed): 0.7 mm  
 Deck Clearance (Min) (above or below): 0 ± 0.25 (to flat part of piston)  
 Flywheel Weight: 17 lbs  
 Crankshaft Weight: 32.4 lbs

## PISTONS

DES (flat,dish,dome): Dome  
 Displacement of Dish, Dome: \_\_\_\_\_  
 Height of Dome: 2.7± 0.1 mm  
 Depth of Dish: N/A  
 Weight of Piston w/PIN: Piston only 222 gms  
 Weight of Piston, Pin, Rod and Rings: 938 gms

## CYLINDER HEAD

Cylinder Head Volume: 42.7 cc  
 Casting #: \_\_\_\_\_  
 Material: Aluminum  
 Exhaust Manifold: Production  
 Min. Combustion Chamber Vol.: 173.8 cc

## INDUCTION

Fuel Injection: Multi point  
 Throttle Bore Size: 60 mm  
 Required Restrictor as of (date): 48mm High comp \*  
 Outside Air Available: No  
 Type: \_\_\_\_\_  
 Int. Manifold Casting Part #: \_\_\_\_\_  
 Material of Intake: Aluminum

## ENGINE DESCRIPTION

Block Material: Aluminum Alloy  
 Configuration: Inline 4  
 Dry       Wet Sump

## CAMSHAFT

Camshaft or Camshaft Kit P/N: \_\_\_\_\_  
 Lifter Type: Hydraulic  
 Rocker Arm Ratio: \_\_\_\_\_

TIMING	Intake	Exhaust
Checking Cl.:	0	
Opens:	110° BTC	102° ABC
Closes:	100° BBC	109° ATC
Overlap:		
Duration:	190°	187°
Lift:	0.267"	0.246"

## VALVES

Valves per Cylinder:	4	
	Intake	Exhaust
Head Diameter:	33.0mm	28.0mm
Angle of Seat/Face:	45°	45°

## SPRINGS

	Intake	Exhaust
Part #:	Out 14751-P30-003 In 14761-P30-003	14762-P30-003
Outer Closed:		
Outer Open:		
Inner Closed:		20 – 22 lbs
Inner Open:		

# 2001 TECHNICAL INFORMATION FORM

## INTAKE SYSTEM

Turbocharger Manufacturer: _____	Maximum Boost Pressure: _____
Model No: _____	Waste-gate Bypass Size (min): _____
Supercharger Manufacturer: _____	Waste-gate Actuation: <input type="checkbox"/> Blow-off <input type="checkbox"/> Pushrod
Model No: _____	Inter Cooler Size: _____
	Modifications: _____

### GRAND-AM CUP PERMITTED ENGINE MODIFICATIONS

---



---



---

## TRANSMISSION

Number of Forward Speeds: \_\_\_\_\_ 5 \_\_\_\_\_

Manufacturer: \_\_\_\_\_ Honda \_\_\_\_\_

Gear Ratios:	1st: _____	3.230	2nd: _____	2.105
	3 <sup>rd</sup> : _____	1.458	4 <sup>th</sup> : _____	1.107
	5th: _____	0.848	6th: _____	

## ALL WHEEL DRIVE

Transfer Case Manufacturer: \_\_\_\_\_ N/A \_\_\_\_\_

Model No: \_\_\_\_\_ N/A \_\_\_\_\_

Center Differential Type: \_\_\_\_\_ N/A \_\_\_\_\_

Manufacturer: \_\_\_\_\_ N/A \_\_\_\_\_

## FINAL DRIVE

Differential Manufacturer: \_\_\_\_\_

Differential Type: \_\_\_\_\_

Axle Ratio: \_\_\_\_\_ 4.4:1 \_\_\_\_\_

### GRAND-AM CUP PERMITTED DRIVETRAIN MODIFICATIONS

---



---



---

## SUSPENSION

	Front	Rear
Suspension Type:	Ind.dbl.w/bone	Ind.dbl.w/bone
Spring Type:	Coil	Coil
Shocks:	_____	_____

### GRAND-AM CUP PERMITTED SUSPENSION MODIFICATIONS

Front adjustable camber upper control arms allowed.

Rear adjustable camber link with steel ball allowed.

---



---

# 2001 TECHNICAL INFORMATION FORM

## TIRES & WHEELS

	PRODUCTION SPEC	
	Front	Rear
Tire Size:	195/55-15	195/55-15
Option Tire Size:	N/A	N/A
Rain Tire Size:	N/A	N/A
Wheel Size:	15X6	15X6

	GRAND-AM CUP SPEC	
	Front	Rear
Tire Size:	225/45-15	225/45-15
Option Tire Size:		
Rain Tire Size:	205/50-15	205/50-15
Wheel Size:	15	15

## BRAKES

	Front	Rear
Rotor Diameter (max):	10.31"	9.4"
Rotor Thickness (max):	0.82"	0.35"

	Front	Rear
Number of Pistons:	1	1
Pistons Diameter:	2.12"	1.19"
Caliper Type:		

### GRAND-AM CUP PERMITTED BRAKE MODIFICATIONS

4 wheel ABS allowed.

---



---



---

## FUEL SYSTEM

Fuel Tank Capacity: 11.9 US Gallons

Fuel Filler Location: Left side

### GRAND-AM CUP PERMITTED FUEL SYSTEM MODIFICATIONS

---



---



---

## VEHICLE DIMENSIONS

	PRODUCTION SPEC	
	Front	Rear
Track:	58.07"	58.07"
Wheelbase:	103.15"	
Overall Length:	175.0"	
Maximum Width:	67.13"	
Overall Height:	52.09"	
(at ride height min. permitted)		
Windshield Angle:	60.8°	
Rear Window Angle:	68.3°	

	GRAND-AM CUP SPEC	
	Front	Rear
Track:	59.07"	59.07"
Wheelbase:	103.15"	
Overall Length:	175.0"	
Maximum Width:	67.13"	
Overall Height:	52.09"	
(at ride height min. permitted)		

