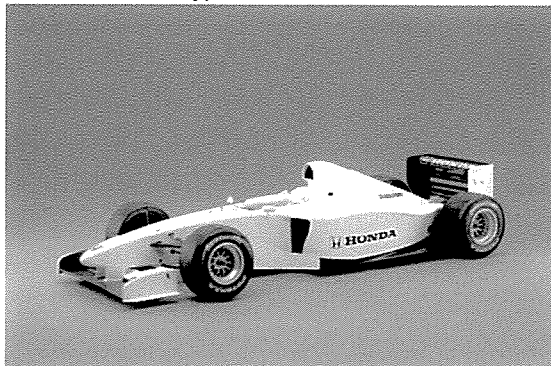


## Chassis, Engine (1999)

### ■ RA099 Prototype



Chassis specifications (RA099)	
Wheelbase (mm)	3020
Gravitational center height (mm, above reference plane)	250*
Main monocoque weight (kg)	54
Tire supplier	Bridgestone
Tire size-front	265/55R13
Tire size-rear	325/45R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Pi

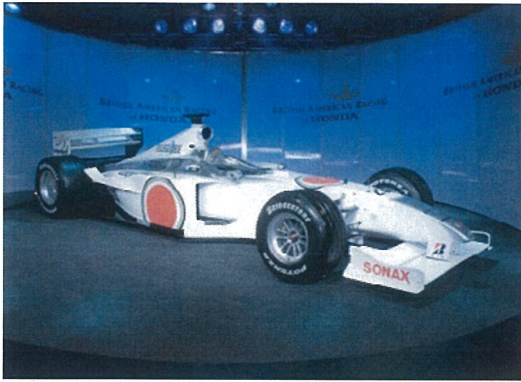
\*With driver, without fuel

Engine specifications (RA099E)	
Engine Type	90° V10
Displacement (cm <sup>3</sup> )	2995.6
Cylinder diameter (mm)	94.4
Stroke (mm)	42.8
Weight (kg)	122
Maximum power (kW)	563 Over
Maximum Ne (rpm)	16300 Over
Engine electronic control system	Honda

Honda	Chassis ; RA099	Engine ; RA099E
Test Driver	Jos Verstappen (Netherland)	

## Chassis, Engine (2000)

### ■ BAR002

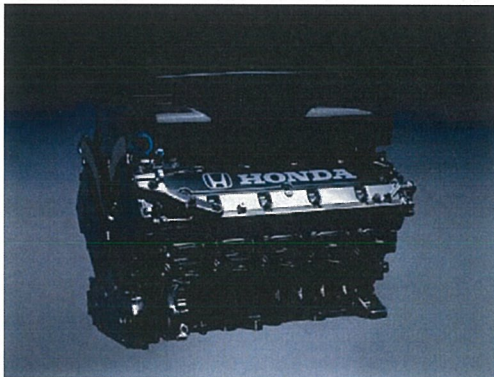


Chassis specifications (BAR002)	
Wheelbase (mm)	3108
Gravitational center hight (mm, above reference plane)	259*
Main monocoque weight (kg)	61
Tire supplier	Bridgestone
Tire size-front	265/55R13
Tire size-rear	325/45R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Pi

\*With driver, without fuel

Gear box specification (BAR002)	
Gear box case	Aluminum Casting
Changing mechanism	Xtrac
Forward gear ratios	6 speed, sequential
Clutch disk	Carbon
Clutch mechanism	Pull clutch

### ■ RA000E



Engine specifications (RA000E)	
Engine Type	88° V10
Displacement (cm <sup>3</sup> )	2995.6
Cylinder diameter (mm)	94.4
Stroke (mm)	42.8
Compression ratio	13.4
Weight (kg)	112
Maximum power (kW)	567 Over
Maximum Ne (rpm)	17000 Over
Mileage (km)	400
Engine electronic control system	Honda

		Ranking
Lucky Strike B.A.R Honda	Chassis ; BAR002    Engine ; RA000E	5th
Driver	CARNo.22 Jacques Villeneuve (Canada)	7th
	CARNo.23 Ricardo Zonta (Brazil)	14th

## Chassis, Engine (2001)

### ■BAR003



Chassis specifications (BAR003)	
Wheelbase (mm)	3183
Gravitational center hight (mm, above reference plane)	245*
Main monocoque weight (kg)	65
Tire supplier	Bridgestone
Tire size-front	265/55R13
Tire size-rear	325/45R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Pi

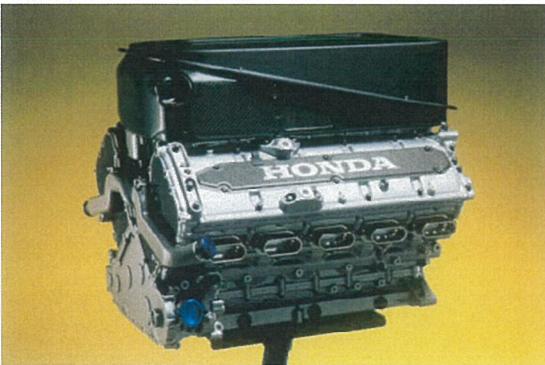
\*With driver, without fuel

### ■EJ11



Gear box specification (BAR003)	
Gear box case	Magnesium Casting
Changing mechanism	Xtrac
Forward gear ratios	6 speed, sequential
Clutch disk	Carbon
Clutch mechanism	Pull clutch

### ■RA001E



Engine specifications (RA001E)	
Engine Type	80° V10
Displacement (cm <sup>3</sup> )	2994.1
Cylinder diameter (mm)	95
Stroke (mm)	42.24
Compression ratio	13.4
Weight (kg)	108
Maximum power (kW)	588 Over
Maximum Ne (rpm)	17300 Over
Mileage (km)	400
Engine electronic control system	Honda

			Ranking
Lucky Strike B.A.R Honda	Chassis ; BAR003 Engine ; RA001E		6th
Driver	CAR No. 9	Olivier Panis (France)	14th
	CAR No. 10	Jacques Villeneuve (Canada)	7th
Test & Reserve Driver	Darren Manning (United Kingdom)		

			Ranking
B & H Jordan Honda	Chassis ; EJ11 Engine ; RA001E		5th
Driver	CAR No. 11	Heinz-Harald Frentzen (Germany)	13th
	CAR No. 12	Jarno Trulli (Italy)	9th
	CAR No. 12	Jean Alesi (France)	15th
Test & Reserve Driver	CAR No. 11	Ricardo Zonta (Brazil)	19th

## Chassis, Engine (2002)

### ■ BAR004



Chassis specifications (BAR004)	
Wheelbase (mm)	3133
Gravitational center height (mm, above reference plane)	243*
Main monocoque weight (kg)	61
Tire supplier	Bridgestone
Tire size-front	265/55R13
Tire size-rear	325/45R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Pi

\*With driver, without fuel

### ■ EJ12



Gear box specification (BAR004)	
Gear box case	Magnesium Casting
Changing mechanism	Xtrac
Forward gear ratios	6 speed, sequential
Clutch disk	Carbon
Clutch mechanism	Pull clutch

### ■ RA002E



Engine specifications (RA002E)	
Engine Type	94° V10
Displacement (cm <sup>3</sup> )	2994.4
Cylinder diameter (mm)	97
Stroke (mm)	40.52
Compression ratio	12.2
Weight (kg)	111
Maximum power (kW)	640 Over
Maximum Ne (rpm)	18000 Over
Mileage (km)	400
Engine electronic control system	Honda

			Ranking
Lucky Strike B.A.R Honda	Chassis ; BAR004 Engine ; RA002E		8th
Driver	CAR No. 11	Jacques Villeneuve (Canada)	12th
	CAR No. 12	Olivier Panis (France)	14th
Test & Reserve Driver	Anthony Davidson (United Kingdom)		

			Ranking
DHL Jordan Honda	Chassis ; EJ12 Engine ; RA002E		6th
Driver	CAR No. 9	Giancarlo Fisichella (Italy)	11th
	CAR No. 10	Takuma Sato (Japan)	15th

## Chassis, Engine (2003)

### ■BAR005

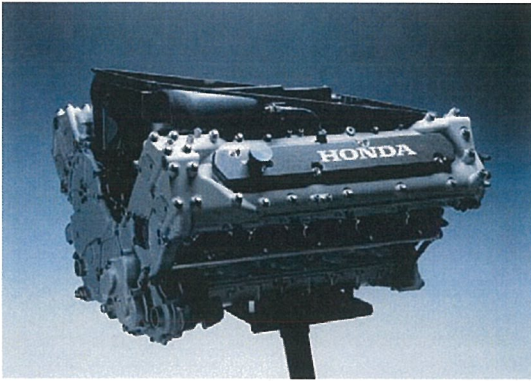


Chassis specifications (BAR005)	
Wheelbase (mm)	3194
Gravitational center height (mm, above reference plane)	227*
Main monocoque weight (kg)	54
Tire supplier	Bridgestone
Tire size-front	265/55R13
Tire size-rear	325/45R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Pi

\*With driver, without fuel

Gear box specification (BAR005)	
Gear box case	Aluminum Casting
Changing mechanism	Xtrac
Forward gear ratios	7 speed, sequential
Clutch disk	Carbon
Clutch mechanism	Pull clutch

### ■RA003E



Engine specifications (RA003E)	
Engine Type	90° V10
Displacement (cm <sup>3</sup> )	2994.4
Cylinder diameter (mm)	97
Stroke (mm)	40.52
Compression ratio	12.4
Weight (kg)	99
Maximum power (kW)	662 Over
Maximum Ne (rpm)	18800 Over
Mileage (km)	400
Engine electronic control system	Honda

			Ranking
Lucky Strike B.A.R Honda	Chassis ; BAR005	Engine ; RA003E	5th
Driver	CAR No. 16	Jacques Villeneuve (Canada)	16th
	CAR No. 17	Jenson Button (United Kingdom)	9th
Reserve Driver	CAR No. 16	Takuma Sato (Japan)	18th
Test Driver	Anthony Davidson (United Kingdom)		

## Chassis, Engine (2004)

### ■BAR006

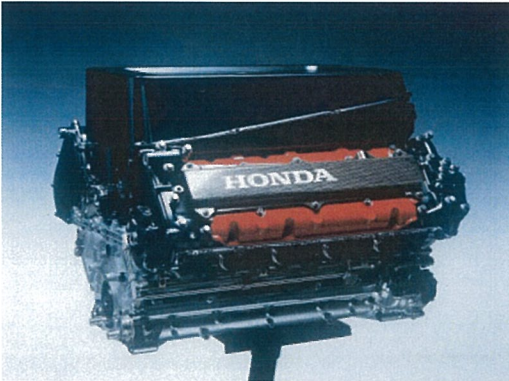


Chassis specifications (BAR006)	
Wheelbase (mm)	3131
Gravitational center hight (mm, above reference plane)	229*
Main monocoque weight (kg)	56
Tire supplier	Michelin
Tire size-front	270/66R13
Tire size-rear	320/66R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Pi

\*With driver, without fuel

Gear box specification (BAR006)	
Gear box case	CFRP
Changing mechanism	Honda
Forward gear ratios	7 speed, sequential
Clutch disk	Carbon
Clutch mechanism	Pull clutch

### ■RA004E



Engine specifications (RA004E)	
Engine Type	90° V10
Displacement (cm <sup>3</sup> )	2994.4
Cylinder diameter (mm)	97
Stroke (mm)	40.52
Compression ratio	12.8
Weight (kg)	91
Maximum power (kW)	662 Over
Maximum Ne (rpm)	19000 Over
Mileage (km)	800
Engine electronic control system	Honda

			Ranking
Lucky Strike B.A.R Honda	Chassis ; BAR006	Engine ; RA004E	2nd
Driver	CAR No. 9	Jenson Button (United Kingdom)	3rd
	CAR No. 10	Takuma Sato (Japan)	8th
Test & Reserve Driver	Anthony Daivdson (United Kingdom)		

## Chassis, Engine (2005)

### ■BAR007

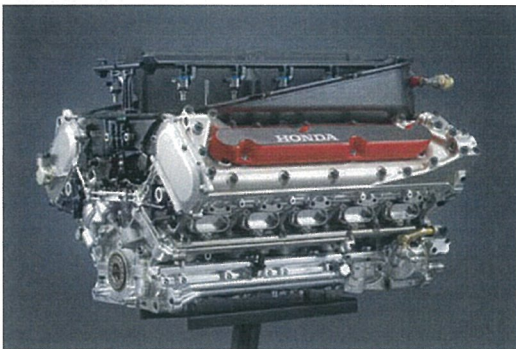


Chassis specifications (BAR007)	
Wheelbase (mm)	3085
Gravitational center height (mm, above reference plane)	230*
Main monocoque weight (kg)	56
Tire supplier	Michelin
Tire size-front	270/66R13
Tire size-rear	320/66R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Pi

\*With driver, without fuel

Gear box specification (BAR007)	
Gear box case	CFRP
Changing mechanism	Honda (Seamless shift)
Forward gear ratios	7 speed, sequential
Clutch disk	Carbon
Clutch mechanism	Pull clutch

### ■RA005E



Engine specifications (RA005E)	
Engine Type	90° V10
Displacement (cm <sup>3</sup> )	2994.4
Cylinder diameter (mm)	97
Stroke (mm)	40.52
Compression ratio	12.8
Weight (kg)	89
Maximum power (kW)	662 Over
Maximum Ne (rpm)	19200 Over
Mileage (km)	1400
Engine electronic control system	Honda

			Ranking
Lucky Strike B.A.R Honda	Chassis ; BAR007 Engine ; RA005E		6th
Driver	CAR No. 3	Jenson Button (United Kingdom)	9th
	CAR No. 4	Takuma Sato (Japan)	23rd
Test & Reserve Driver	CAR No. 4	Anthony Davidson (United Kingdom)	

## Chassis, Engine (2006)

### ■ RA106



Chassis specifications (RA106)	
Wheelbase (mm)	until Rd.13 : 3085 as from Rd.14 : 3135
Gravitational center hight (mm, above reference plane)	231*
Main monocoque weight (kg)	57
Tire supplier	Michelin
Tire size-front	270/66R13
Tire size-rear	320/66R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Honda

\*With driver, without fuel

### ■ SA05 (Rd.1-Rd.11)

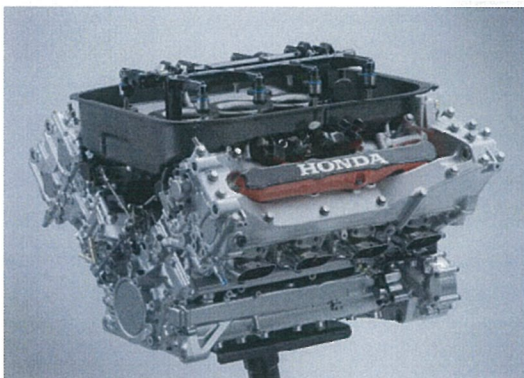


Gear box specification (RA106)	
Gear box case	CFRP
Changing mechanism	Honda (Seamless shift)
Forward gear ratios	7 speed, sequential
Clutch disk	Carbon
Clutch mechanism	DPC

### ■ SA06 (Rd.15-Rd.18)



### ■ RA806E



Engine specifications (RA806E)	
Engine Type	90° V8
Displacement (cm <sup>3</sup> )	2395.5
Cylinder diameter (mm)	97
Stroke (mm)	40.52
Compression ratio	12.8
Weight (kg)	95
Maximum power (kW)	537 Over
Maximum Ne (rpm)	19600 Over
Mileage (km)	1400
Engine electronic control system	Honda

			Ranking
Lucky Strike Honda Racing F1 Team	Chassis ; RA106 Engine ; RA806E		4th
Driver	CAR No. 11	Jenson Button (United Kingdom)	6th
	CAR No. 12	Rubens Barrichello (Brazil)	7th
Test & Reserve Driver	Anthony Davidson (United Kingdom)		

			Ranking
Super Aguri Formula 1	Chassis ; SA06 Engine ; RA806E		11th
Driver	CAR No. 22	Takuma Sato (Japan)	23rd
	CAR No. 23	Yuji Ide (Japan)	25th
	CAR No. 23	Sakon Yamamoto (Japan)	26th
Test & Reserve Driver	CAR No. 23	Franck Montagny (France)	27th



## Chassis, Engine (2007)

### ■RA107



Chassis specifications (RA107)	
Wheelbase (mm)	3165
Gravitational center height (mm, above reference plane)	235*
Main monocoque weight (kg)	56
Tire supplier	Bridgestone
Tire size-front	270/55R13
Tire size-rear	325/45R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Honda

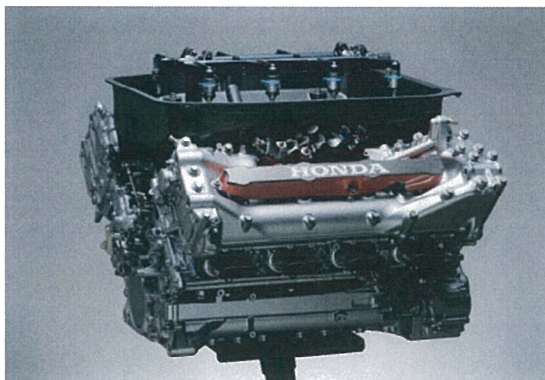
\*With driver, without fuel

### ■SA07



Gear box specification (RA107)	
Gear box case	CFRP
Changing mechanism	Honda (Seamless shift)
Forward gear ratios	7 speed, sequential
Clutch disk	Carbon
Clutch mechanism	DPC

### ■RA807E



Engine specifications (RA807E)	
Engine Type	90° V8
Displacement (cm <sup>3</sup> )	2395.5
Cylinder diameter (mm)	97
Stroke (mm)	40.52
Compression ratio	13
Weight (kg)	95
Maximum power (kW)	544 Over
Maximum Ne (rpm)	19000 Limit
Mileage (km)	1400
Engine electronic control system	Honda

			Ranking
Honda Racing F1 Team	Chassis ; RA107 Engine ; RA807E		8th
Driver	CAR No. 7	Jenson Button (United Kingdom)	15th
	CAR No. 8	Rubens Barrichello (Brazil)	20th
Test & Reserve Driver	Christian Klien (Austria)		

			Ranking
Super Aguri F1 Team	Chassis ; SA07 Engine ; RA807E		9th
Driver	CAR No. 12	Takuma Sato (Japan)	17th
	CAR No. 14	Anthony Davidson (United Kingdom)	23rd
Test & Reserve Driver	James Rossiter (United Kingdom)		

## Chassis, Engine (2008)

### ■ RA108



Chassis specifications (RA108)	
Wheelbase (mm)	3210
Gravitational center height (mm, above reference plane)	243*
Main monocoque weight (kg)	55
Tire supplier	Bridgestone
Tire size-front	270/55R13
Tire size-rear	325/45R13
Brake caliper (front and rear)	6 pistons
Brake disk (front and rear)	Carbon, ventilated
Suspension-front	Double wishbone, push rod
Suspension-rear	Double wishbone, push rod
Chassis electronic control system	Microsoft MES

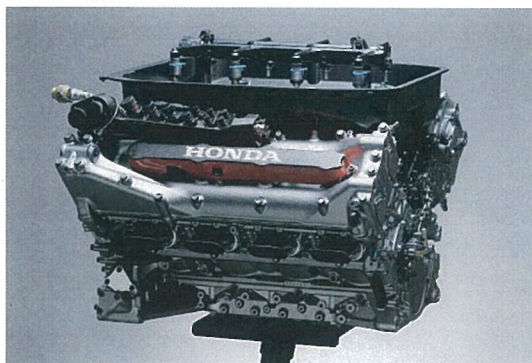
\*With driver, without fuel

### ■ SA08



Gear box specification (RA108)	
Gear box case	CFRP
Changing mechanism	Honda (Seamless shift)
Forward gear ratios	7 speed, sequential
Clutch disk	Carbon
Clutch mechanism	DPC

### ■ RA808E



Engine specifications (RA808E)	
Engine type	90° V8
Displacement (cm <sup>3</sup> )	2395.5
Cylinder diameter (mm)	97
Stroke (mm)	40.52
Compression ratio	13
Weight (kg)	95
Maximum power (kW)	548 Over
Maximum Ne (rpm)	19000 Limit
Mileage (km)	1400
Engine electronic control system	Microsoft MES

			Ranking
Honda Racing F1 Team	Chassis ; RA108 Engine ; RA808E		9th
Driver	CAR No. 7	Jenson Button (United Kingdom)	18th
	CAR No. 8	Rubens Barrichello (Brazil)	14th
Test & Reserve Driver	Alex Wurz (Austria)		

			Ranking
Super Aguri F1 Team	Chassis ; SA08 Engine ; RA808E		11th
Driver	CAR No. 12	Takuma Sato (Japan)	21st
	CAR No. 14	Anthony Davidson (United Kingdom)	22nd
Test & Reserve Driver	James Rossiter (United Kingdom)		