

2000 | HONDA INSIGHT



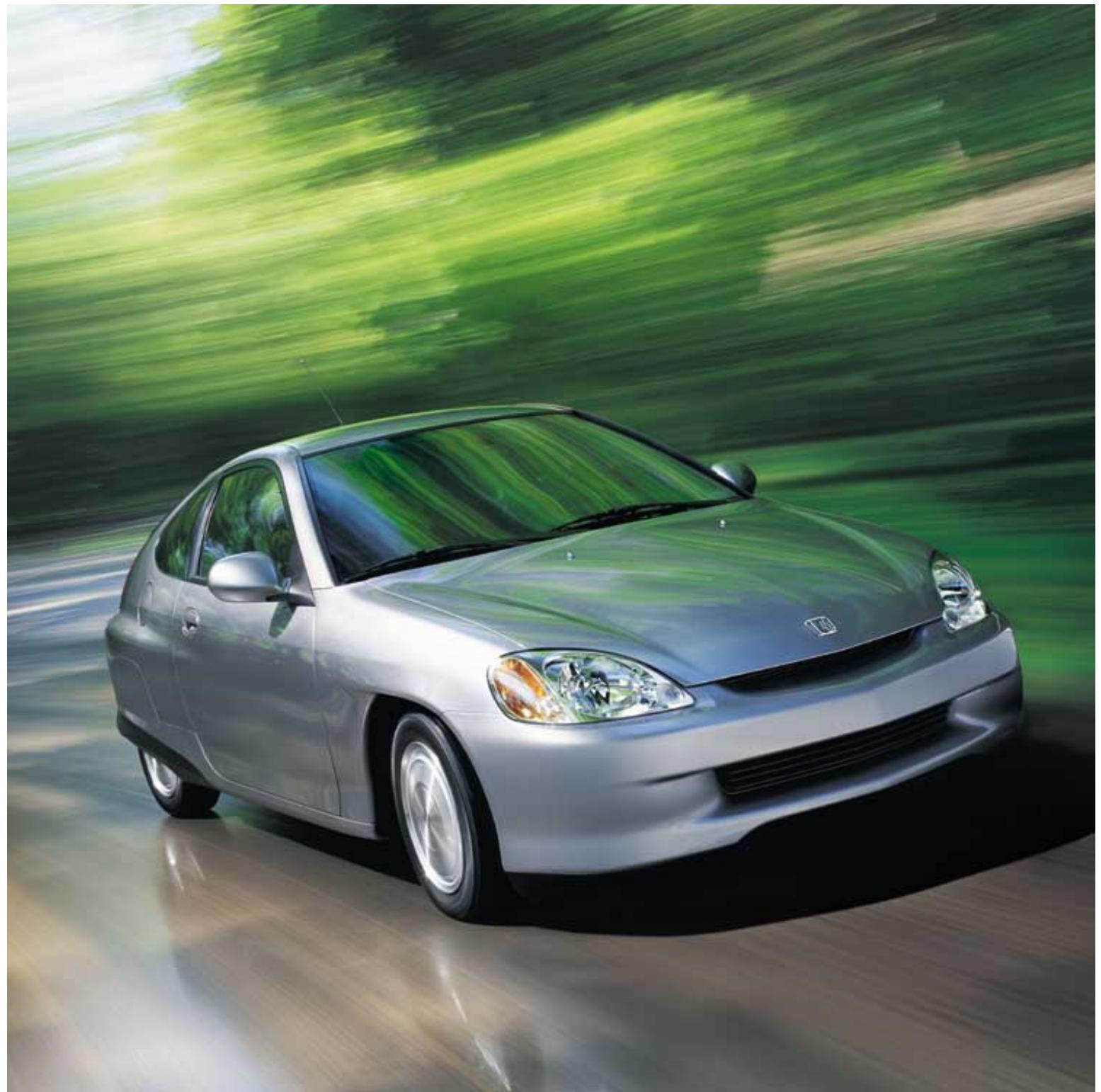
Amazing



Fun

Intelligent

And now for something completely different. The remarkable new Honda Insight – the first production gasoline-electric hybrid automobile sold in America. It's fun to drive, incredibly efficient – it can go up to 70 miles on a gallon of gas* – so clean it's certified as an Ultra-Low Emission Vehicle (ULEV)[†] and there's no need to plug it in. It also has something you won't find anywhere else – Honda quality.



The Honda Insight is a gasoline-electric hybrid automobile, powered by the revolutionary new Honda-designed Integrated Motor Assist (IMA™) system. The IMA system uses a 1.0 liter VTEC™-E engine assisted by a compact electric motor and advanced nickel-metal hydride batteries. When

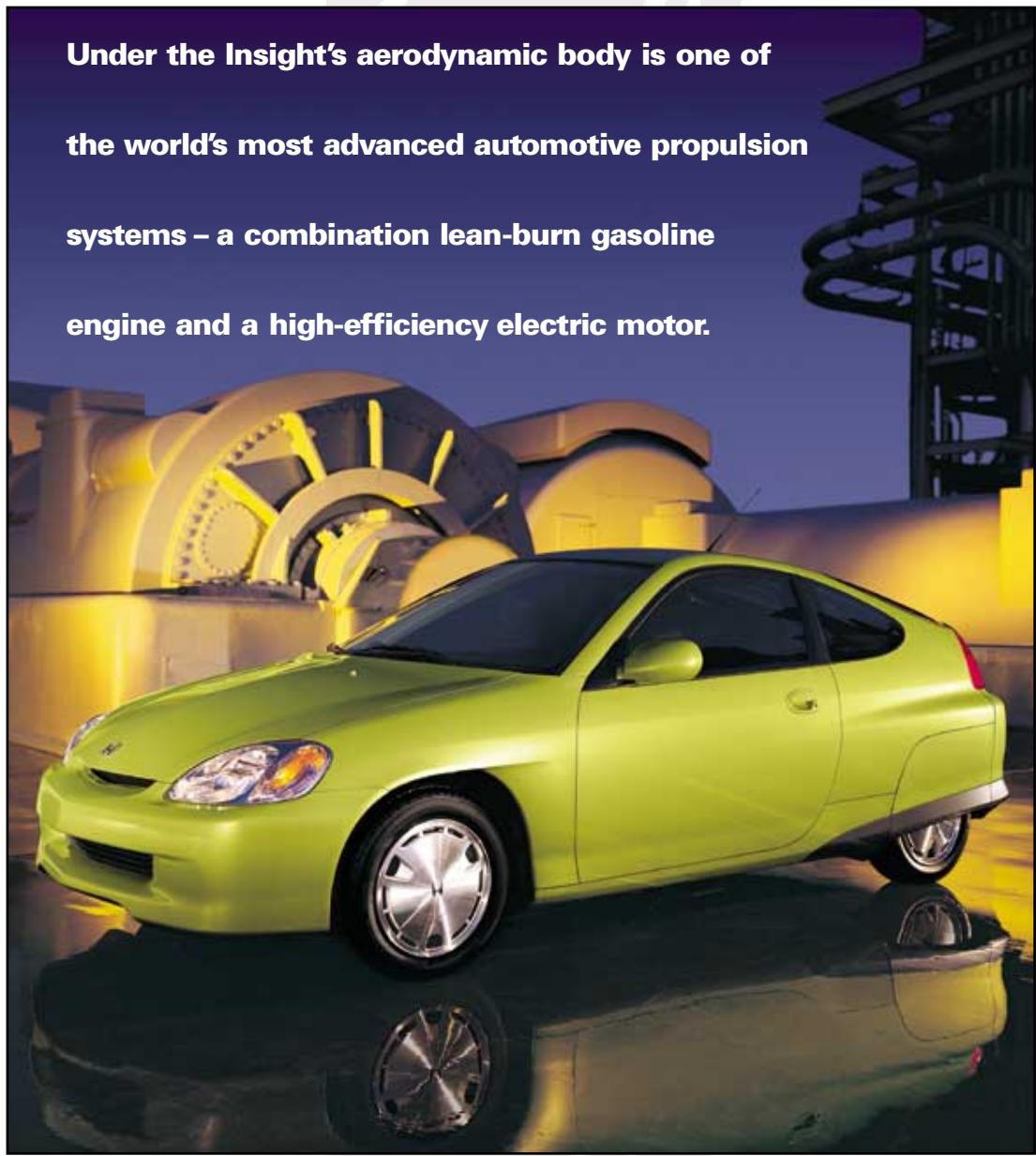
*combined with its lightweight aluminum body and highly aerodynamic design, this super-efficient new technology gives the innovative Insight the performance of an automobile with a larger engine, yet it gets an astonishing 61 miles per gallon in the city and 70 miles per gallon on the highway.**



Whether it's urban commuting or highway cruising, the Insight combines practicality, comfort and style in a whole new way. Storage bins and pockets are numerous, including a convenient driver's storage compartment, two beverage holders and a large

glove compartment. A rear-center net pocket holds odd-sized items, and in back, the cargo area is easily accessible through a large rear hatch. There's even a convenient hidden storage well under the cargo area floor that lets you keep your valuables out of sight.

**Under the Insight's aerodynamic body is one of
the world's most advanced automotive propulsion
systems – a combination lean-burn gasoline
engine and a high-efficiency electric motor.**



Smart

The future never looked better.



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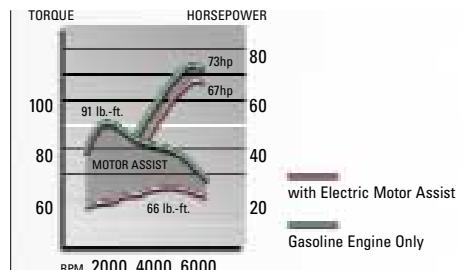
he Honda Insight owes its incredible fuel efficiency to a combination of advanced automotive technologies, including its lightweight aluminum and plastic body, a

highly aerodynamic shape, all-season, low-rolling-resistance tires, and its innovative IMA (Integrated Motor Assist) system. This system combines the best characteristics of two Honda-developed propulsion technologies: a clean-running, highly efficient, 1.0 liter, 3-cylinder, 12-valve, Ultra-Low Emission Vehicle (ULEV) gasoline engine, and a powerful ultra-compact electric motor.

The gasoline engine is the primary means of propulsion. It uses

lean-burn VTEC-E (variable valve timing and lift electronic control) technology to achieve its high fuel efficiency,* without sacrificing driveability.

When additional power is needed, for example during acceleration, the electric motor assists, producing a total of 73 hp and giving the Insight the performance of an automobile with a larger engine. Electricity to power the motor comes from a set of advanced nickel-metal hydride batteries, which are recharged by regenerative braking.



Ideally suited to complement the gasoline engine's power characteristics, the integrated electric motor significantly increases the IMA system's total torque output where it's needed most, at low rpm.



The Insight's Integrated Motor Assist (IMA) system uses a lean-burn 1.0 liter VTEC-E engine assisted by a compact, electric motor.

Perhaps the greatest advantage of the Insight's unique IMA system is that its operation is completely seamless and transparent—you just fill it with regular unleaded gasoline and drive it like any other car. And you never have to plug it in.



useful

The shape of things to come.

The Insight's roomy, high-tech interior is designed around the driver's needs. The high-back bucket seats are comfortable and supportive, the controls are easily accessible and operate with the precision typical of a Honda, and its sophisticated Electronic Instrument Display is logically arranged and easy to read.

It's also a very personal space. A comfortable place to spend some time.

Attractive and well-equipped. Standard equipment includes electric power steering (EPS) with variable-assist, anti-lock brakes (ABS), and power windows, mirrors and door locks with remote entry. Even an AM/FM stereo cassette with clock. And automatic air conditioning with a micron air-filtration system is available.

The Insight's safety engineering is quite extensive. Its aluminum body and frame, which incorporate front and rear crumple zones, help protect the occupants in impacts such as full-frontal, offset-frontal, side and rear. Dual

front airbags,[‡] 3-point seat belts and built-in head restraints are all standard equipment.

As you can see, the Honda Insight really is different. It's smarter. A car that takes care of your needs as it takes care of the environment's. The kind of car you'd expect from Honda.



Crumple Zones built into the Insight's highly rigid aluminum body are designed to help protect the driver and passenger in an impact.

[‡]Honda reminds you and your passengers to always buckle up.



The Insight's Electronic Instrument Display is logical and easy to read: on the left is engine status information, such as rpm and engine coolant temperature.



The middle of the Electronic Instrument Display provides a wealth of information, including present speed, the distance the car has traveled, and both current and cumulative fuel economy.



Fuel supply and electrical energy capacity, including state-of-charge, are displayed on the right side of the Electronic Instrument Display.



Insight Instrument Panel shown with available automatic air conditioning.

Specifications and Features

IMA System

Gasoline Engine

Type: Aluminum-Alloy	In-Line 3-cyl.
Displacement (cc)	995
Horsepower @ rpm	73 @ 5700
Torque (lb.-ft. @ rpm)	91 @ 2000
Compression Ratio	10.8:1

Valve Train: 12-Valve SOHC VTEC™ E Lean-Burn

Fuel System	Multi-Point Fuel Injection
Ignition System	Electronic w/Immobilizer
Emission Rating	ULEV†
Idle-Stop Feature	
105,000-Mile Tune-Up Interval**	

Electric Motor/Generator/Power Storage

Motor Type	Permanent Magnet
Power Output (kw @ rpm)	10 @ 3000
Motor Width (in.)	2.4
Battery Type	Nickel-Metal Hydride (Ni-MH)
Output	144V (120 cells @ 1.2V)
Rated Capacity	6.5 AH

Drivetrain

Type	Front-Wheel Drive
Manual Transmission	5-Speed
Final Drive Ratio	3.208

Exterior Dimensions

Wheelbase (in.)	94.5
Length (in.)	155.1
Height (in.)	53.3
Width (in.)	66.7
Track (in., front/rear)	56.5/52.2
Curb Weight (lbs.)	1847/1878†‡

Interior Dimensions

Headroom (in., front)	38.8
Legroom (in., front)	42.9
Shoulder Room (in., front)	50.5
Hiproom (in., front)	48.7
Passenger Volume (cu.ft.)	47.4
Cargo Volume (cu.ft.)***	16.3

Interior Features

Driver's and Front Passenger's Airbags (SRS)
Automatic Air Conditioning with Micron Air-Filtration System†††
Power Windows w/Auto-Down Driver's Window
Power Door Locks
AM/FM Stereo Cassette w/Clock & 2 Speakers
Electronic Instrument Display
Fuel Mileage Computer
Economy Shift Indicator
2-Speed/Intermittent Windshield Wipers
Beverage Holders
3-Point Seat Belts
Reclining High-Back Bucket Seats
Passenger Seatback Pocket
Remote Fuel Filler Door Release
Door-/Hatch-Open Indicator Light
Rear Window Defroster with Timer
Map Lights
Rear-Center Net Pocket
Hidden Rear Storage Well
Cargo Area Light
Cargo Hooks
12-Volt Accessory Outlet
Lockable Glove Compartment
Driver's Storage Compartment
Driver's Vanity Mirror



Silverstone Metallic

Body/Suspension/Chassis

Body Type	Aluminum Monocoque
Front Suspension	MacPherson Strut
Rear Suspension	Twist Beam
Front Stabilizer Bar (mm)	173
Electric Power Steering (EPS)	Variable-Assist
Turning Diameter, Curb-to-Curb (ft.)	314
Power-Assisted Front Disc/Rear Drum Brakes	
4-Wheel Anti-Lock Braking System (ABS)	
Wheels	14" Alloy
Tires: All-Season	P165/65 R14 78S
	Low Rolling Resistance



Citrus Yellow Metallic

Exterior Features

Body-Colored Dual Power Mirrors
Impact-Absorbing Body-Colored Bumpers
Aerodynamic Rear Fender Skirts
Heat-Rejecting, Green-Tinted Glass
Remote Entry System
Rear Window Wiper/Washer
Roof-Mounted Radio Antenna
Alloy Wheels

EPA Mileage Estimates*/Fuel Capacity

5-Speed Manual (City/Hwy)	61/70
Fuel (gal.)	10.6



New Formula Red

*Mileage figures shown for comparison only. Actual mileage may vary. †California Air Resources Board ULEV-certified for California and some Northeastern states. LEV-rated in the rest of the country. **Maintenance needs vary with use and driving conditions. ††Without/with air conditioning. ***Based on in-house measurement. †††Insight is also available without air conditioning. Always use seat belts. Specifications, features, illustrations and equipment shown in this brochure are based upon the latest available information at the time of printing. Although descriptions are believed correct, accuracy cannot be guaranteed. American Honda Motor Co., Inc., reserves the right to make changes at any time, without notice or obligation, in colors, specifications, accessories, materials and models. Some features mentioned herein are not available in all areas. See your Honda dealer for details. Some vehicles may be shown with optional equipment. Available=Optional. NA=Not applicable. ©1999 American Honda Motor Co., Inc. Litho in U.S.A. II/99.



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