

Appendix 1 : Copy of Reference [1],

Copy of SAE of Japan WEB site; 240 Landmarks of Japanese Automotive Technology;
Honda Electro Gyrocator

Society of Automotive Engineers of Japan, Inc.> 240 Landmarks Top > JSAE HOME

240 Landmarks of Japanese Automotive Technology

240 Landmarks Top > Information > Honda Electro Gyrocator

Honda Electro Gyrocator



In 1981, the Honda Electro Gyrocator emerged as the world's first map-based navigation system. It was later improved as a digital map navigation system and Nissan Motor Co., Ltd. commercialized the Birdview Navigation system that adopted an overhead view for the first time in the world in 1995. Furthermore, in 2003, the Honda Internavi Premium Club, the world's first Floating Car System was commercialized in combination with information communication technology. This system collects traffic information from vehicles and provides it to users.

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The world's first map-based information system.
In principle, the moving direction and distance of a vehicle are detected by a precise gas-rate gyro sensor and a distance sensor calculated by tire-rotation. A microcomputer is used to integrate temporal changes of these two movements instantaneously, and continuously memorizes and adds these values to calculate the amount of vehicle movement. The system also displays the amounts on a screen with the transparent map sheet as a route, thereby enabling extremely precise confirmation of the vehicle progress and present position and allowing the best route to be selected easily

Storage location : Honda Collection Hall in Twin Ring Motegi, 120-1 Oaza Hiyama, Motegi-machi, Haga-gun, Tochigi

Year manufactured : 1981

Manufacturer : Honda Motor Co., Ltd.

Classification: Mass-production system

Current status : Not open to the public

Model name : Honda Electro Gyrocator

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Technical applications : In-vehicle navigation system

Applied model : Honda Accord saloon in 1981, Honda Vigor saloon in 1981

See URL: http://www.jsae.or.jp/autotech/data_e/14-2e.html