

Here shown testing the RX-8 gasoline/hydrogen on Mazda's Hiroshima test track, I found the handling and ride the same as a standard RX-8, but on hydrogen only, it did not accelerate as fast as with gasoline.



BRAMPTON MITSUBISHI'S PRE-OWNED SHOPPING CENTRE



Carman Widness
General Manager



Andrew Donnahaee
General Sales Manager



2007 Ford Focus ZX3
Automatic, A/C, GFX pkg.



2005 Nissan Xterra SE
Automatic, A/C, roof storage



2004 Nissan Sentra
Automatic, A/C, pwr. win. & locks



2006 Chevy Cobalt LS
Auto, A/C, Trade in NOT a daily rental



2005 Ford Escape Limited
4 wd, A/C, leather, sunroof



2003 Honda Civic DX
Auto, A/C, Keyless entry



2003 Toyota Camry SE
Auto, A/C, Leather, Sunroof



2004 Mitsubishi Endeavor XLS
2 wd, auto, sunroof



2003 Nissan Altima 2.5SL
Auto, A/C, leather, sunroof



2006 Mitsubishi Eclipse GS
Manual, 17" wheels, Air



2004 Mitsubishi Outlander
Auto, AWD



2003 Mazda Protege5
Manual pwr. group, A/C



2003 Mitsubishi Eclipse Spyder
GS manual, alloys



2003 Dodge Grand Caravan Sport
A/C, captain chairs, alloys, 3.8L



2005 Mitsubishi Lancer OZ
Manual, A/C, alloys, spoiler

Trade In Specials	
1991 Acura Integra	\$1,995
1994 VW Golf GTI	\$3,495
1993 Mazda 626	\$1,695
1995 Pontiac Grand AM	\$2,995
1998 Chevy Venture	\$2,995
1998 Olds Silhouette	\$2,995
1993 Toyota Celica GT	\$2,495
1999 Pontiac Grand Prix GT	\$2,995
1996 Ford Windstar	\$1,295

**YOUR PEACE OF MIND
GUARANTEED!**

**ALL VEHICLES
CarProof VERIFIED**

**ALL VEHICLES 120
POINT INSPECTED**

**ALL VEHICLES COME WITH 6 MTH/6000 KM
POWER TRAIN WARRANTY**



David Gordin
Used Car Manager



Jason Morey
Sales Team



Jelie Robregado
Sales Team



Mahendra Chauhan
Sales Team



Paolo Diliberto
Sales Team



Qassis Shahghasay
Sales Team



Victor Khitov
Finance Manager

**GOOD CREDIT? NO CREDIT? NEW CREDIT? IN CREDIT
COUNSELLING? BANKRUPT & DISCHARGED?**

**NO PROBLEM!
WE'LL WORK WITH YOU!**

All payments based on \$2000 down or equivalent trade. 2007 model years financed over 84 months. 2006, 2005, 2004 model years financed over 72 months. 2003 model years financed over 60 months. All based on interest rate of 9.99% OAC. Taxes included, lic, and admin. extra. Cash prices do not include tax. Financing example: \$10,000 at 9.99%, cost of borrowing is \$3253.54 over 60 months OAC. Oil changes for three years are limited to three per year. Total

BRAMPTON MITSUBISHI

47 Bovaird Drive West, Brampton, Ontario
www.bramptonmitsubishi.ca



PHONE THE HOTLINE

905-459-2600



**Mazda looks to hydrogen
and new technologies for
sustainable zoom-zoom**

JIM ROBINSON
Metroland Media Group

HIROSHIMA, Japan— Imagine a car that is 100 per cent recyclable from bumper-to-bumper, has seats and trim made from carbon-neutral plant products and emits nothing but clean water from its exhaust.

That isn't something that we "can expect in our lifetime" but that we start to see beginning in 2008 and well before the end of the next 10 years.

Like all manufacturers, Mazda is striving to build cars and trucks that will lead to what it calls "sustainable zoom zoom." It's more than just making greener cars; it also takes in passenger and pedestrian safety and how to use available resources so there is little or no impact on the planet.

Mazda has already set goals of 20 per cent better mileage from its gasoline engines and 10 per cent from its diesels starting in 2010. But the real goal is to use its rotary engine expertise with hydrogen as a fuel and make it part of everyday life as soon as next year.

For instance, Mazda is already leasing dual fuel (hydrogen or gasoline) engines in RX-8 sportscars in the Japanese market. It has the power of a comparable 3.0-litre gasoline V6.

Mazda is currently working on two rotaries. The first is the gasoline and hydrogen called the RE (Rotary Engine) while the other is the RE dual fuel and electric propulsion called the RE Hybrid. The hybrid currently has a range of about 200 km on hydrogen.

In the longer run, Mazda plans a purely hydrogen RE that will emit water and only trace amounts of CO2 and nitrogen oxide.

In the RE as used in the RX-8, here is a button below the steering wheel that lets the driver select gasoline or hydrogen. About the only visible difference are lights on the fuel level gauge indicating if the car is running on gasoline or hydrogen.

Driving this car on the Mazda test track at its plant in Japan, I could feel the difference between the two with hydrogen being not as peppy as gas, but not at all slow either. All other functions like handling and braking are the same.

But the really exciting thrust is a RE hybrid that is already running in prototype form which I saw in action on the test track.

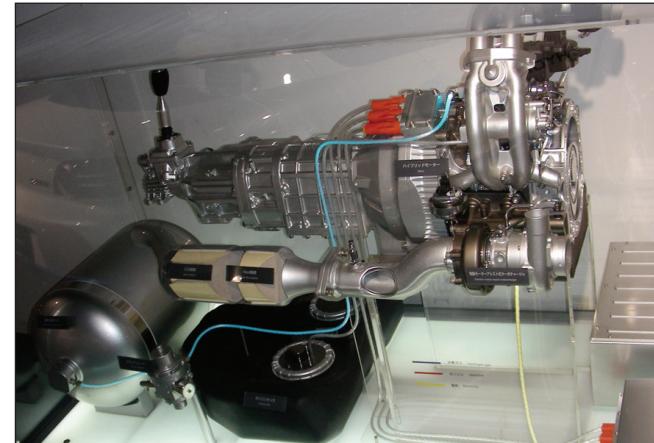
Mazda looked at both fuel cells and hydrogen combustion. While the fuel cell is slightly cleaner and more efficient because there is no burning of fuel, the cost of development and time line to perfect the technology is very far into the future.

Mazda, to its delight, found the rotary engine is nearly perfect for a hydrogen combustion engine. Because the intake and combustion chambers in a rotary are separate there is no mixing of exhaust gases with fresh charges thus much reducing emissions.

The RE Hybrid is currently being tested in a Mazda5 van and is expected to launch for limited use in Japan in 2008.

Not only is the hybrid incredibly better for the environment, it gives 40 per cent more power than the gasoline/hydrogen rotary.

See MAZDA, pg. 3



This display shows how the gasoline and hydrogen rotary works.