

Kia a nice little package

From page 1

floor for minimal cabin intrusion. For example, three can fit in the back seat and lose only 3.1 inches of legroom compared to the "standard" Soul.

More to the point, the cargo area behind the second row seats is 532 litres, the same as the "standard" Soul.

The motor powers the front wheels through a single speed reduction gear set. It results in a 0-100 km/h sprint time of 11.4 seconds reaching a top speed of 145 km/h (90 mph) with a driving range of around 160-170 km with 200 km attained by Kia engineers in testing.

Engineers were able to package the motor and systems while minimizing intrusion of the battery pack into the cabin, yet retaining a class-leading 200 Wh/kg battery cell energy density enabling the battery to store greater amounts of electric energy relative to its weight.

Kia chose lithium-ion polymer batteries (compared to more commonplace lithium-ion batteries) because of their greater energy density with fewer parts and a simpler cell structure, lower cost production, greater potential for heat management and greater flexibility in terms of packaging.

To insure crash safety, the battery features a ceramic-coated separator within the cell itself to protect the unit, as well as overcharge protection, which monitors electrical current and battery temperature. Soul EV owners can choose between two different driving modes, 'Drive' and 'Brake', with the latter producing the most energy recuperation from the regenerative braking system.

Each of these driving settings are also available in a third special Eco-mode which extends the Soul EV's driving range by optimizing the performance and energy consumption of the HVAC system and

the electric motor.

On a half-hour loop near the offices of Kia Canada, I started out with a range showing as 170 km.

Using Brake and with the Eco-mode also on, all I had to do was lift my foot off the accelerator pedal and the EV would slow dramatically as energy was harvested. But when rolling, the EV was "car like" but with noticeably quicker acceleration due to the torque being immediately available.

After 20 minutes of taking advantage of Brake, I was showing a range of 188 km, which was surprising.

Switching to Drive for the highway, the EV accelerated smartly down the on-ramp and joining in the flow of traffic was white-knuckle free.

Coming up to highway speed, the EV again felt "car like" except for the lack of engine noise.

When I got to back to Kia, I had a range of 177 km – 7 km more than when I left.

Because the Soul EV is next to silent in operation, there is a warning beeper that sounds when it is in reverse and travelling at less than 20 km/h. One of challenges to any EV is operating in the winter in Canada.

To this end, the Soul EV has a battery heating system designed to insulate and warm up the battery in order to minimize the adverse effects of sub-zero temperatures on battery charge.

The Soul EV has two charging ports (120 and 240 volt) that are housed behind a panel at the nose and opened by a lever on the lower instrument panel.

Charging times vary but 4.5 hours is the norm for a 240-volt, but it can take up to 24 hours to fully charge a depleted battery using a 120-volt outlet.

Prices won't be announced until it goes on sale in late fall.



Only an event this huge can celebrate payments this great.

16 CIVIC Canada's best-selling car 16 years in a row**



2014 CIVIC DX MODEL FB2E2EEX

\$85@1.99% APR **\$0** DOWN PAYMENT /OAC

LEASE BI-WEEKLY* FOR 60 MONTHS² WITH \$0 SECURITY DEPOSIT. EXCLUDES LICENSE AND HST.

FROM 7.3 CITY / 5.5 HWY (L/100 KM)²



2014 CR-V LX MODEL RM3H3EES

\$135@1.99% APR

LEASE BI-WEEKLY* FOR 60 MONTHS² WITH \$0 SECURITY DEPOSIT. EXCLUDES LICENSE AND HST.

FROM 9.0 CITY / 6.4 HWY (L/100 KM)²

\$0 DOWN PAYMENT/OAC

2014 FIT DX MODEL GE8G2EEX

\$67@0.99% APR

LEASE BI-WEEKLY* FOR 60 MONTHS² WITH \$0 SECURITY DEPOSIT. EXCLUDES LICENSE AND HST.

FROM 7.1 CITY / 5.7 HWY (L/100 KM)²

\$0 DOWN PAYMENT/OAC



LEASE PAYMENTS INCLUDE FREIGHT AND PDI.

*BI-WEEKLY LEASE ONLY AVAILABLE ON 48-MONTH TERMS OR GREATER.



HondaOntario.com
Ontario Honda Dealers



Limited time bi-weekly lease offers available through Honda Financial Services Inc. (HFS), to qualified retail customers on approved credit. Bi-weekly payments include freight and PDI (ranges from \$1,495 to \$1,695 depending on 2014 model), EHF tires (\$29), EHF filters (\$1), A/C levy (\$100 except Civic DX & Fit DX models), and OMVIC fee (\$5). Taxes, license, insurance and registration are extra. Representative bi-weekly lease example: 2014 Civic DX Sedan // 2014 CR-V LX 2WD // 2014 Fit DX on a 60 month term with 130 bi-weekly payments at 1.99% // 1.99% // 0.99% lease APR. Bi-weekly payment is \$84.92 // \$134.92 // \$66.95 with \$0 down or equivalent trade-in, and \$600 // \$1,000 // \$2,100 total lease incentive included. Down payments, \$0 security deposit and first bi-weekly payment due at lease inception. Total lease obligation is \$11,039.26 // \$17,504.05 // \$8,703.92. 120,000 kilometre allowance; charge of \$0.12/km for excess kilometres. PPSA lien registration fee of \$45.93 and lien registering agent's fee of \$5.65, due at time of delivery are not included. For all offers: license, insurance, other taxes (including HST) and excess wear and tear are extra. Taxes payable on full amount of purchase price. Offers only valid for Ontario residents at Ontario Honda Dealers. Dealer may lease for less. Dealer order/trade may be necessary. Vehicles and accessories are for illustration purposes only. Offers, prices and features subject to change without notice. See your Ontario Honda Dealer or visit HondaOntario.com for full details. **Based on Association of International Automobile Manufacturers of Canada (AIAMC) data reflecting sales between 1997 and December 2013. ²Based on Fuel Consumption Guide ratings from Natural Resources Canada. Transport Canada approved test methods used. Your actual fuel consumption will vary based on driving habits and other factors – use for comparison only.

Think Fred's for Your Freight

INSIST
ON
FRED'S

Freight up to 20,000 lbs
Dock level or ground
Enclosed Trailer

**FRED'S
TOWING**
SINCE 1958
905-877-4471
Georgetown



Provider for **CAA** and all auto clubs.



Your local **Halton Experts** and **Accident Specialists**
for all your boosts, lockouts, fuel deliveries and towing needs.

15
YEARS IN A ROW!

**46 Guelph St.,
Georgetown**