## Chicago Tribune

12 TRANSPORTATION

AUTOMOTIVE CLASSIFIED INSIDE AND AT (CORS.COM) THE TRIBUNE'S ONLINE AUTO GUIDE

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LED headlights, mag wheels, neon and more are finding a home on Segways



Karl Sagal of Wilmington, Mass., has outfit his Sagway E-167 with a rearview camera and monitor, horn and headlights among other accessories.

## Take that, tuners

## By Chuck Green Special to the Tribune

What do you get when you cross a "tinkerer" with a Segway Personal Transporter?

A customized Segway, of course

Stanley Dobrowski couldn't resist personalizing his machine shortly after he bought it in 2003, the first vehicle he has tinkered with.

"When I first got it, I was like, T'm not going to touch it. I'm go ing to polish and wax it every day and take care of it.' That lasted about three months then I started fiddling with it. I'm a tinkerer by nature, so I think it was inevi-

A network administrator from New Jersey, Dobrowski began by attaching homemade headlight systems.

"I used Segway's for a while, but the bulb burned out and they were expensive, so I decided to make my own out of LEDs."

Dobrowski then added a trailer hitch he built and an Amishmade trailer he found on the Internet

Why a trailer? "Why do people

PLEASE SEE SEGWAY, PAGE 5

leagues

## Jim Mateja

fter being the small kid in the Hyundai lineup for six years, the compact Santa Fe sport-utility has grown up.

Tucson will hold down the compact segment as the 2007 Santa Fe moves into the midsize segment.

And in March, after a January debut at the Detroit Auto Show, the Vera Cruz goes on sale. It's slightly longer than Santa Fe and will be built in South Korea to give Hyundai a trio of sport-utes.

Santa Fe is the first Hyundai vehicle designed at its studio in Irvine, Calif. It is built alongside the midsize Sonata sedan at Hyundai's U.S. assembly plant in Alabama.

With Santa Fe and Sonata, Hyundai's goal is to produce in the U.S. at least half of the vehicles it sells here. Hyundai will sell about 400,000 vehicles in the U.S. this year and Alabama can assemble about 300,000.

Santa Fe is offered in base GLS, SE and Limited versions with a choice of front-wheel-or optional (\$2,000) all-wheel-drive. We tested the top of-the-line Limited with FWD.

Santa Fe borrows the front-end treatment from the HCD9 Talus concept on this year's suito-show (circuit. With the remains, Santa Fe has grown bolder—and by 7 inches in length, 2 inches in width and 1 inch in height. That allows Hyundai to offer an optional third-row seat

for the first time. Our test vehicle had only two However, you get lots of cargo room behind the second-

row seat or a third seat and just a little space in back. The choice is yours-add \$1,200 for the seat.

Inside, there's lots of space to flall arms and head in the front or second row, but second row knee room is a tad confined unless you recline the seat backs. That takes the knees back away from the front seats. The front seats are soft, but side bolsters designed to

leep you in place in sharp corners or turns are nearly in-visible. So ease off the pedal in such maneuvers. Engines separate the Santa Fe trio. The GLS comes with

the same 2.7-liter V-6 from the previous version, but with variable valve timing to deliver 185 horsepower, up from 170. It also offers better mileage, 21 m.p.g. city/26 m.p.g. highway, up from 19/25

The SE and Limited offer a new 3.3-liter, 242 h.p. V-6 to replace the old 3.5-liter, 197-h.p. V-6. Vera Cruz will get an even larger 3.8-liter V-6.

The 2.7 comes with a 5-speed manual or 4-speed automatic, the 3.3 with a 5-speed automatic with Shiftronic for manual mode shifting

The 3.3 is rated at 19/24, up from 17/23 for the 3.5-liter

despite producing 42 more h.p. The larger Santa Fe isn't a speedster, but it's far more lively off the line and into the passing lane than its prede-

In addition to different engines, the SE and Limited sit PLEASE SEE MATEJA, PAGE 7



\$24,945 Base \$100 Rear cargo screen

\$90 Carpeted floor mats \* Add \$580 for freight THE NUMBERS

WHEELBASE: 106.3 inches LENGTH: 184,1 inches ENGINE: 3.3-liter, 242-h.p. V-6 TRANSMISSION: S-speed auton

M.R.G MRG CITY FLUSES

Bigger, quieter, peppier. Optional three rows of seats.

MINUSES Knee room in second row

INSIDE | Car buffs cling to an early alt-fuel. STEAM, PAGES | Let us recommend a car to fit your lifestyle. SEARCH, CARS.COM

SECTION 12 HICAGO TRIBUNE

SEGWAY:	+
Some are spee	edy
others service	abl

FROM

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Mountains aside, his decision had mor with the fact that he often uses the Seg-commute to work—a 6%-mile round trip needed space for supplies. "I take it to needed space for when I don't ha lake to have errands and the 141

cooperates." Though he doesn't use the trailer much are times he has to carry things that don his backpack, "like my computer and ch computer and Case

Carla Vallone Segway Inc., sair 23,500 of the pe llone, communications mana ., said that through Septembe Segway Inc., said that Ihrough September 23,500 of the personal transporters hat sold. About 20 percent are sold to the pol curity and first-responder sector, who ci ize them with lights, bags, sircens and logo er than that, it's difficult to gauge how personalization goes on. Headlights and trailers are not all the way owners add, said Steve Steinberg, a p with California-based Segway of Oaki full-service Segway 1H dealer that prod number of specialized accessories. The rins are another example. "People found out the size could a change the speed of the Segway and [m travel several miles an hour faster. It's fill car. If you change the the size, the speed isn't accurate anymore. With a taller ti the same r.p.m., but you cover more dist An unmofiled Segway 12 model rides on 1 tires and the x2 used 21-inchers. "We do m.p.h. The Segway 21-inchers. "We do so the set and the trastices wide and the set of the size of the set of the set." personal transporters had

ustomers modif (s," Valloue said Segway PTs. their

Wilmington, Mass., resident Karl Sagu more practical. He used his expertise as chanical engineer to integrate his contr an E-167. He added wiring for a rearview of and monitor, lights and a horn. "All the original models have a contro that goes into the front, where there's plastic control on the handle bar with cir inside the hard plastic shell," he said.

plastic control on the handle bar with cit-inside the hard plastic shell," he said. Sagal, who also owns an i2 model, brol the plastic shell and added seven micro s es with "some push huitbons to all the cont my lights and different horns on my E. T inside the Segway as opposed to exposing on the outside. It's a cleaner look and mo to the original look of the machine..." Sagal said his hondiwork is safe but i ably would void the factory surranty whi

ally would void the factory warranty, whi dready expired on his E-167. On the i2, he added lights controlled th

On the i2, he added lights convolues in his own wiring and chrome apinners. "Ip chrome spinners on a \$5,000 device, and a spinners on a \$5,000 device, and

chrone spinners on a \$5,000 device, an more talk about them than anything else. However, he won't spin out of contro customizing. "Part of my objective is to not have it obvious that they're modifie avoid the "bolted on" look.

not have it obvious that they're modifi-avoid the "bolted on" look. Dobrowski takes a similar view. "I beli Segway's minimalist approach, where -more. So my modifications don't impa look and feel of the machine much. I wa look as close to factory as possible." He did, however, add undercarriage which draws the most attention. "When J ing down street at night and the lights shi bottom of thing like a hot rod car, people and can see it from quite a ways off. It git shoulder of road and I figure more chance has of seeing me the better." Dobrowski also plans a new paint job though he's at a loss on color. "I'm go bring my daughter, who has good eye for to the paint store and see what she sugge leaning toward orange or blue. I'm a good et, but I don't have a good eye for color." At the same time, he's improving the ometer. "I'm putting wheel sensors of wheel, so I'l be able to sense with a hitt puer module the t.p.m. of each wheel as: " a h of seed of the two wheel as "

puter module the r.p.m. of each wheel as m.p.h. of each of the two wheels." Why? "No real reason."

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