

KEMPF

A woman with red-painted fingernails is driving a Toyota SUV. She is holding the steering wheel with both hands. The car's interior is visible, including the dashboard, center console, and steering wheel with the Toyota logo. The car is on a road in a mountainous area with a clear blue sky and some clouds. The KEMPF logo is in the top left corner.

enjoy driving with both hands!

to travel the world ...



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ONE MAN'S PASSION

In 1954 Jean-Pierre KEMPF, who had lost the use of both legs after contracting polio, invented the accelerator ring to be able to drive his car keeping both hands on the steering wheel.

He started his company and by the end of his life in 2002 he had adapted over 100,000 vehicles.



comfort is essential ...



With Darios - the digital accelerator ring and main hand brake driving without the use of both feet is quite intuitive:

Just press the ring to accelerate. Brake with the left or right hand brake integrated in the dashboard.

Only very little effort is needed to accelerate.

The leather covered ring turns freely enabling precise acceleration even while exiting a turn.

DARIOS* adapts its sensitivity to the speed of your vehicle:

- At low speed the acceleration is smooth and progressive making precise driving maneuvers like parking and driving on ice and snow easy to perform.
- At high speed the acceleration is quick and dynamic making reactive and safe driving easy, like highway driving, passing at high speed or collision avoidance maneuvers.

With DARIOS the full engine power of the vehicle always remains available.

*DARIOS = Digital Accelerator Ring Optimized for Speed.



The adaptation fits well in the car's interior, and the vision of the dashboard remains clear. The ring and the brake knob are covered with leather matching the color of the car's interior.

The knee space remains free of any metal parts and all adjustments of the steering column including the knee airbag remain functional.



Handcrafted brake knob

elegance is important ...



safety is top priority ...



DARIOS respects and maintains all safety features of the adapted vehicle.

DARIOS uses two sensors inside the steering wheel to comply with all car manufacturers' safety requirements.

All original electronic throttle pedals have two sensors to be immune to electromagnetic noise. These two sensors are required to avoid unintended accelerations.

Be aware that any electronic accelerator using just one sensor can't guarantee the absence of involuntary accelerations.

DARIOS was tested in the laboratories of Daimler AG in Germany for its electromagnetic compatibility. It is compliant with the European requirements E1 2009/19 CE.

These tests confirm that with DARIOS you will never experience any unintended acceleration. It is guaranteed. DARIOS is immune to electromagnetic noise.

The airbag deploys normally. Tests performed in laboratories prove that the ring doesn't affect the airbag deployment.





main hand brake
left or right ...

free transport and
lifetime warranty ...

Main Hand Brake:

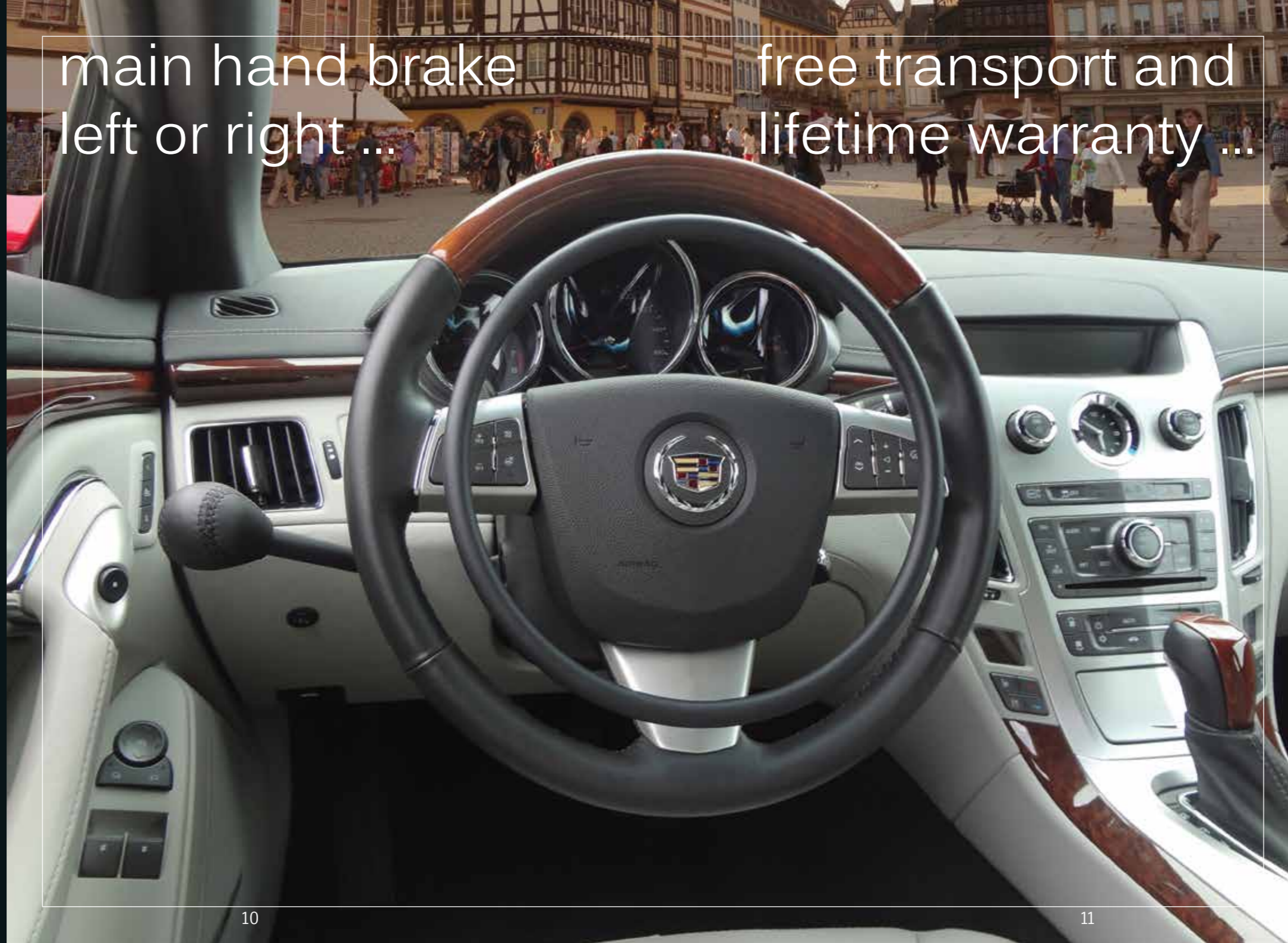
The main left or right hand brake consists of a lever coming out of the dashboard that pivots around one horizontal and invisible axis.

The brake lever's handle moves downward. No need to bend forward to brake, so you keep your eyes level at all time. The force required to brake by hand is approximately one half of the one required by foot.

The mechanical connection with the brake pedal is hidden behind the bottom cover of the dashboard. Therefore, the knee space remains free of any metal parts. The knee airbag remains functional as well.

The main hand brake for each new car model requires research and development to maintain the original safety level designed by the car manufacturers.

In case of a failure in the original braking system the full braking range is obtainable with the main hand brake lever.



Free Transport:

KEMPF features nationwide free at-home pick-up and delivery of your vehicle. The installations are performed at KEMPF facilities. This offer is valid until 12/31/2016 for a Darios and handbrake or Picado installation.

Lifetime Warranty:

All KEMPF products have a lifetime warranty. KEMPF offers nationwide at-home service, should the need for service arise.



www.kempf-usa.com
lifetime warranty

Contact us :

1-888-4KEMPF-US
1-888-453-6738



In 1955 Jean-Pierre Kempf filed his patent for the accelerator ring. It was mechanical: the ring pushed with a rod through the steering column on the gaspedal.

In 1999 the digital accelerator ring replaced the mechanical one to maintain the steering wheel airbag functional.

In 2006 it was upgraded with the "Dual Select" version enabling the driver to select between "Comfort" and "Sport" mode.

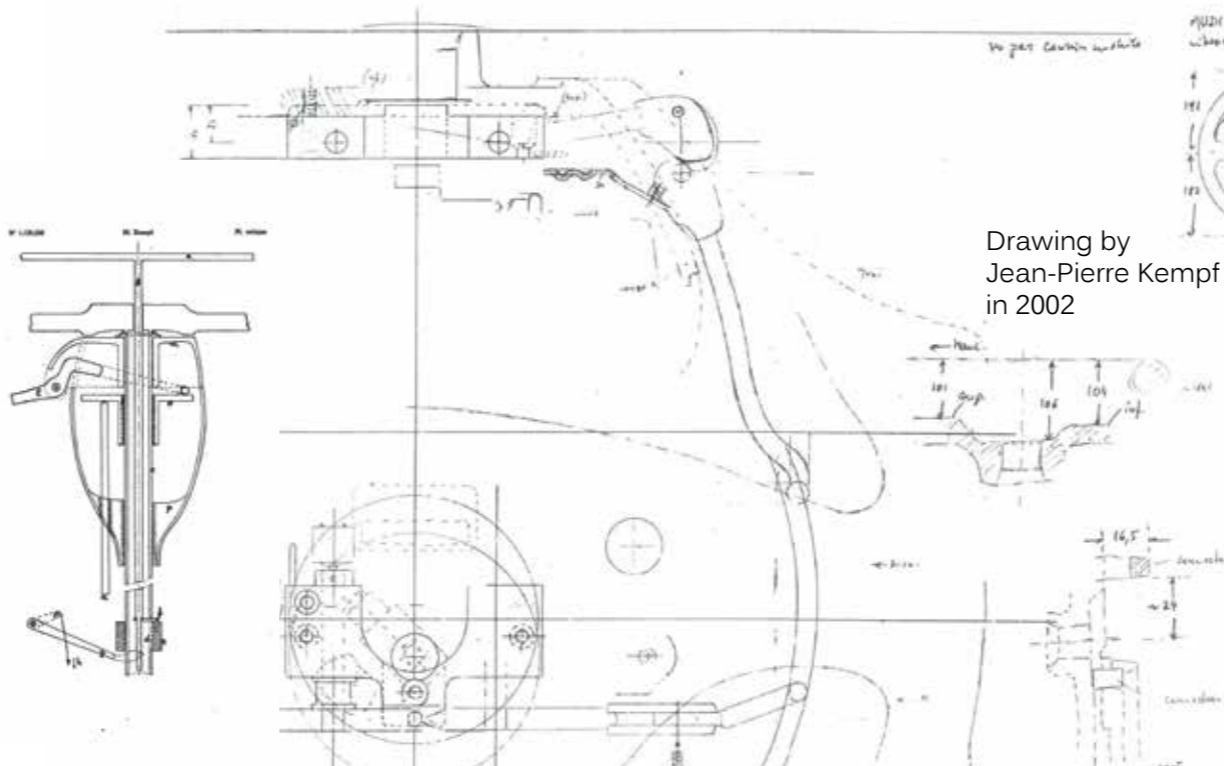
In 2010 the digital accelerator ring DARIOS adapted itself to your speed giving you unsurpassed precision in throttle control.

Since 2012 the DARIOS-DUO gives you in position II an even more dynamic acceleration for more sportive sensations while still adapting its response to the speed of the vehicle.

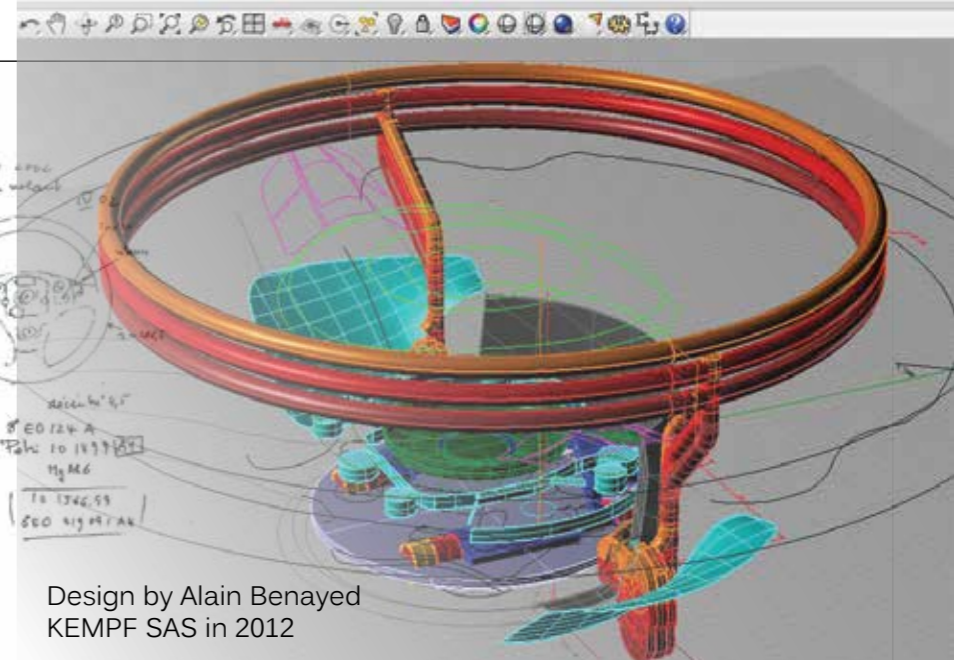
DARIOS and the main hand brake can be installed on most vehicles with automatic transmissions. The original pedals remain functional. DARIOS may be deactivated with a switch on the dashboard.

60 years of innovation: 1955 - 2015

Patent of the accelerator ring by Jean-Pierre Kempf in 1955



Drawing by Jean-Pierre Kempf in 2002



Design by Alain Benayed KEMPF SAS in 2012



Citroen 2CV - 1955



Tesla Model S - 2015



Jean-Pierre KEMPF 1931 - 2002



innovation is essential ...

Each new vehicle model needs to be studied to integrate the accelerator ring Darios and the main hand brake.

Each steering wheel model is measured in 3D before installing the mechanism, the two sensors and the electronic circuit.

How does DARIOS work:

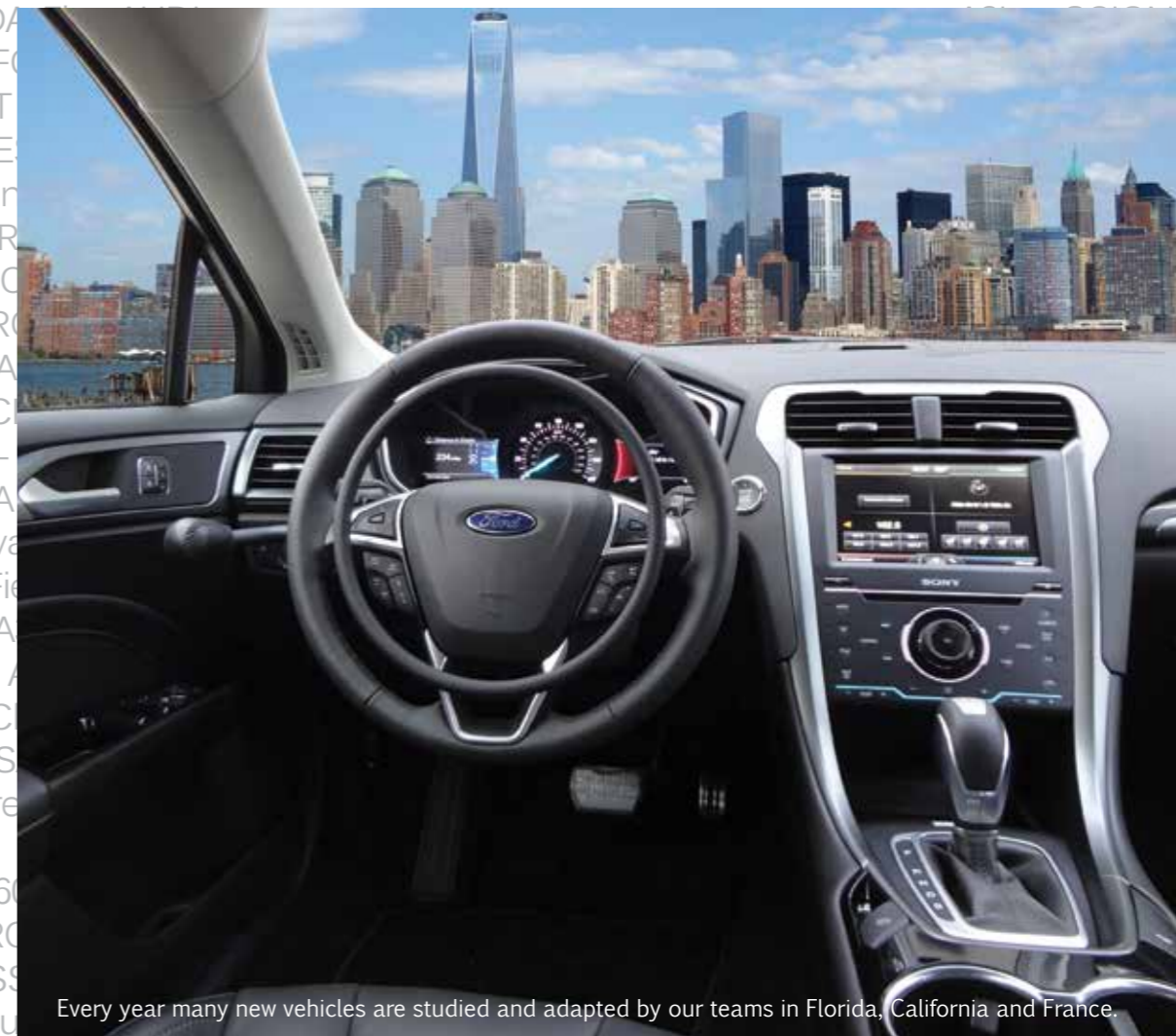
DARIOS uses a wired connection between the steering wheel and the dashboard to transmit the position of the accelerator ring to the vehicle engine controller.

DARIOS constantly senses the speed of your vehicle and adapts its response to be progressive at low speed and dynamic at high speed. DARIOS requires the matching of two independent signals before deactivating the original throttle pedal and controlling the acceleration of your vehicle with signals identical to the original pedal.

The position of the ring is sent twice every millisecond to the DARIOS electronic unit under the dashboard which controls the acceleration.



FORD Fusion – MERCEDES-BENZ A-Class – PORSCHE Cayenne – TOYOTA Prius V – BMW 228i
PORSCHE Panamera – TOYOTA Yaris – HONDA CRV – VOLKSWAGEN Golf 7 – NISSAN Juke - HON
DA Fit - FERRARI 458 Italia – CITROEN C1 – VOLVO V70 – AUDI RS4 – MAZDA CX-5 – RENAULT Captu
– FORD B-Max – TOYOTA Rav 4 - NISSAN Note - MERCEDES C-Class – TOYOTA Aygo - BENTLE
GT – SKODA Superb - CADILLAC CTS – LEXUS RX450 – BMW 740i – NISSAN Altima – OPEL As
tra - HONDA



Every year many new vehicles are studied and adapted by our teams in Florida, California and France.

Model S – F
– PEUGEOT
– MERCEDE
NAULT Twint
A1 – CHEVR
XC60 – LANC
Auris - CITRO
CLA – RENA
iti FX35 – C
GEOT 508 –
Cruze – KIA
OPEL Meriva
try – FORD Fi
X1 – AUDI A
911 GT3 – A
CEDES E-C
ta – NISS
XV Crosstre
GEN Polo
- VOLVO S6
GLK - CITRO
Sonic – NISS
bo - FIAT Pu
Wrangler – LEXUS RX350 – MAZDA 3 – HONDA Odyssey - LINCOLN MKX – TOYOTA Corolla – VOLK
SWAGEN Caddy Life – HONDA Civic – FORD Explorer – CHEVROLET Sonic – AUDI A6 – BUIC
Enclave – DODGE Caravan – MERCEDES S-Class – JEEP Grand Cherokee – HONDA Pilot – KIA
Ceed – MERCEDES ML – TOYOTA Sienna – VOLKSWAGEN Scirocco – BMW Z4 - RENAULT Sceni
– PEUGEOT 5008 – SEAT Alhambra - TOYOTA Tundra – KIA Sportage – MERCEDES CLS - VOLK
SWAGEN Touareg – GMC Sierra – FORD C-Max – CITROEN C3 - TOYOTA IQ – AUDI TT – BMW 535i

PICADO

The stabilized steering knob with secondary functions

PICADO - The steering knob with secondary functions enables a driver using only one hand on the wheel to control up to 16 functions without taking his hand off the knob.



PICADO is designed with a rotational stabilizing force giving the driver unsurpassed comfort and safety. Particularly while driving straight on, the hand muscles are far less solicited than with a standard steering knob which turns freely around its axis.

PICADO gives you access to 16 functions with one hand.

The 2nd function of a button is activated by pushing and holding it for more than 0.5 seconds :

- 1 - Wiper - /Washer rear
- 2 - Wiper + /Washer front
- 3 - Turn signal left/Power window left (optional)
- 4 - Turn signal right/Hazard
- 5 - Lights - Low beam/high beam
- 6 - Flash (high beam)
- 7 - Horn

Helpful in roundabouts :

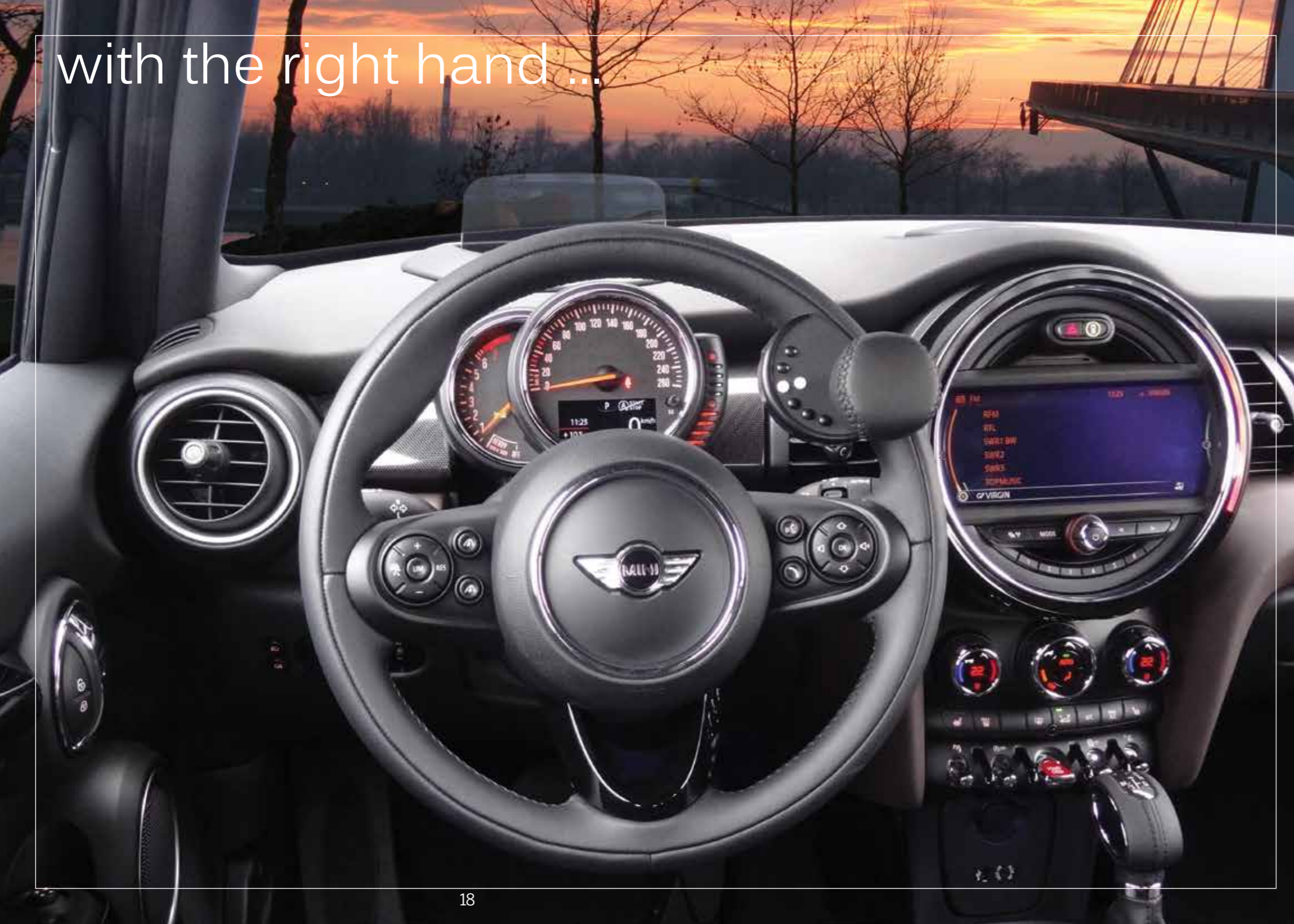
- 8 - Turn signal left momentary (approx. 5 cycles)
- 9 - Turn signal right momentary (approx. 5 cycles)

The turnsignal buttons are white and slightly illuminated while the other buttons are black. Similar to the keys of a piano, their functions are very easily memorized, so there is no need to add stickers with the function symbols.

driving with one hand on the wheel ...



with the right hand ...



PICADO

PICADO is the first steering knob which doesn't turn freely around its axis. A weak but stabilizing force maintains the knob in one orientation. The driver's hand can rest on the stabilized knob while driving. At the onset of a turn or during parking manoeuvres the stabilizing force is hardly noticeable.

PICADO is firmly attached to the steering wheel rim and its knob is removable.

The function of each button is easily memorized like the keys of a piano.

The system is compatible with the airbag and can be installed in most vehicles. The original secondary functions remain functional.

PICADO uses an existing wired connection to send its signals from the steering wheel to the dashboard and therefore doesn't require any battery; its reliability is guaranteed.

For more information
visit kempf-usa.com





The electronic left foot accelerator pedal

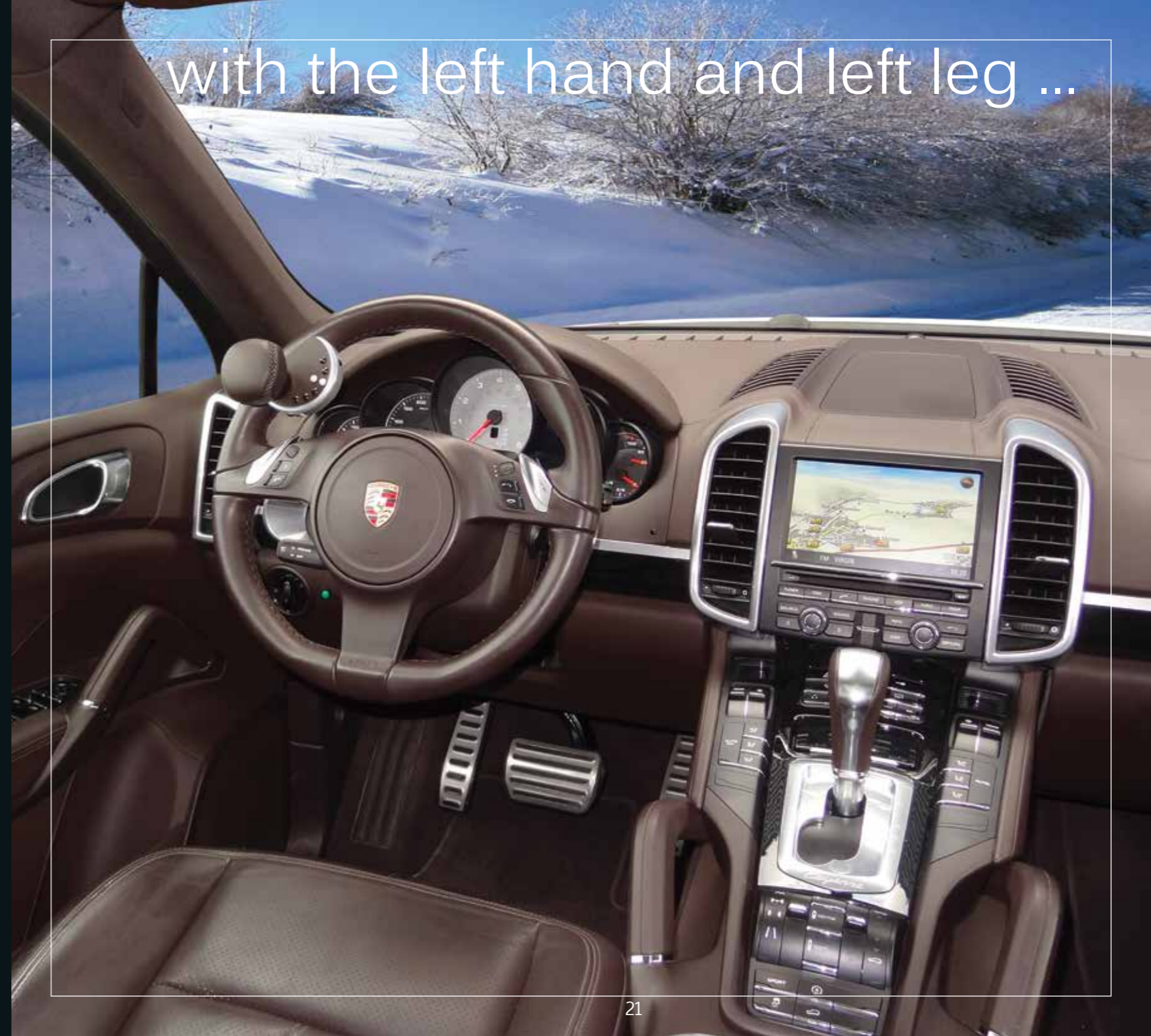
A driver without the use of the right leg can use a switchable electronic left foot accelerator pedal. It's an optimal and elegant solution.

A second accelerator pedal identical to the original one is installed left from the brake pedal.

A lighted push button placed on the dashboard enables the selection between both accelerator pedals only shortly after the start of the engine.

When no selection is made, the original accelerator pedal on the right is always functional. This prevents any confusion when the car is driven by a driver using both feet. Both accelerator pedals are never active at the same time.

A person having lost the use of his or her right arm and right leg will be able to drive with a PICADO steering knob with secondary functions and an electronic left foot accelerator pedal.



with the left hand and left leg ...

The installation is really 1st rate. It performs as well as it looks. I have really enjoyed using the car with the system and it has exceeded my expectations. The brake handle installation works perfectly and you managed the installation issues perfectly too. The solution to come from the bottom and place a bend in the handle looks and performs great as well. I couldn't be happier... Again, I want to thank you for doing such a terrific job with the Ferrari California.
Shawn F., FL

I took delivery of my Porsche Saturday morning. All I can say, you guys do awesome work. Beautiful work. The controls are seamless. You cannot even tell if the hand-controls are OEM or not. It looks factory done. I've had people sit in my car and ask me, "How do you drive this? There aren't any hand-control thingy's here?" The throttle ring seems as if it belongs on the steering wheel. I'm also surprised my wheelchair doesn't catch on the ring as I'm pulling in my wheelchair. Since I come from a quality assurance background in engineering, I check for discrepancies in workmanship. And looking at your installation, it was very hard find any which explains the cost. It's well worth it. I've always driven with the 'old school, push and pull' type controls for the past 23 years and I actually like this (DARIOS system) much better. It was easy to adapt to. The learning curve is very short.
Pres P., CA

First of all, the DARIOS hand controls are AMAZING!!! I'm well-spoken but I can barely put in words how awesome they are. It's not even fair to call them "hand controls". It makes driving such an effortless experience. I took a 1 hour drive this weekend (each way) and it was a dream.
Eric R., VT

The installation is not just professionally done, but it is done so well that the system appears a part of the original equipment of the vehicle.
John W. S., Ph.D., KY

our customers ...

The system looks and works better than I ever imagined. It is a step into the 21st century. I'm glad I chose Kempf.
Thanks again for a great job!
Rick T., VT

The learning curve was easier than I anticipated, and it made me wonder why I had not considered the steering ring earlier. The new experience offered driving with both hands on the steering wheel with easy access to the brake lever instead of pushing forward that is typical of old style controls.
Robin I. W., Ph.D., CA

accepted by the department of veterans affairs ...

All KEMPF products are accepted by the VA (Department of Veterans Affairs). Several VA Medical Centers have teaching vehicles equipped with the KEMPF digital accelerator ring. If you are a veteran, please contact your prosthetics representative to request the KEMPF digital hand controls. As a veteran you may benefit from an autogrant and so your Darios and main hand brake will be paid for by the Department of Veterans Affairs. If your VA facility doesn't yet have a training vehicle with the KEMPF digital ring, don't hesitate to contact us. We will provide you with a list of facilities at which you may be trained.

The training usually takes a few hours, because driving with the ring allows you to keep both hands on the wheel and the accelerator and brake functions are kept separate. It is quite intuitive for anyone to learn. In addition driving with both hands may reduce and or delay the occurrence of shoulder instability.

The products and adaptations from KEMPF are designed and manufactured with high standards of quality and reliability. They comply and often exceed States' safety requirements.

All KEMPF adaptations have a lifetime warranty.



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