



KEMPF

The PLEASUR



With Darios - the digital accelerator ring and main hand brake driving without the use of both legs 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 while exiting a turn.

DARIOS* adapts its sensitivity to the speed of the 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 original pedals remain functional so the vehicle can easily be driven by someone not using the hand controls.

E of DRIVING



The digital accelerator ring DARIOS may be deactivated with a switch on the dashboard.



Darios-Duo has 2 driving positions:
I = comfort mode for soft and progressive accelerations
II = sport mode for more dynamic accelerations

DARIOS 211





For flat bottomed steering wheels

The digital accelerator ring DARIOS 211 has a flat bottom and its sleeve still slides freely to facilitate the acceleration when coming out of a sharp turn.

It is made out of more than 200 tiny parts which slide on the metal ring.



THE MAIN H



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 the driver keeps his or her 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 cover of the dashboard. Therefore, the knee space remains free of any metal parts and the knee airbag remains functional.

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.

AND BRAKE



Handcrafted brake knobs.



SAFETY

DARIOS respects and maintains all safety features of the original vehicle. It 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 and avoid unintended accelerations.

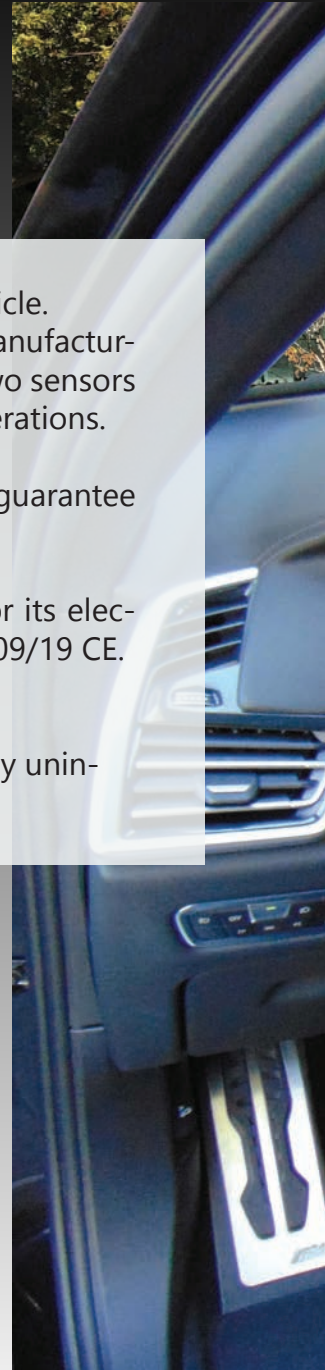
Be aware that any electronic accelerator using just one sensor can't guarantee the absence of involuntary accelerations.

DARIOS was tested in the laboratories of Daimler AG in Germany for its electromagnetic compatibility. It is compliant with the EU directive E1 2009/19 CE. It means that DARIOS is immune to electromagnetic noise.

These tests guarantee that with DARIOS you will never experience any unintended acceleration.



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





OUR HISTORY

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.

In 1999 the digital accelerator ring replaced the mechanical one.

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 adapts itself to the speed of the vehicle, giving the driver unsurpassed precision in throttle control.

In 2017 DARIOS becomes compatible with the new digital accelerator pedals.

In 2019 DARIOS 211 adapts its shape to the flat bottomed steering wheels while maintaining a sliding sleeve for precise accelerations when exiting a turn.



Y



ELECTRIC an



DARIOS and the main hand brake can be installed on most vehicles with automatic transmissions including electric and hybrid vehicles.

d HYBRID



INNOVATIO

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 with a 3D handheld scanner before designing, producing and then installing the mechanism, the two sensors and the electronic circuit.

Each dashboard is also measured in 3D to design the main hand brake.



N



How does DARIOS work:

DARIOS uses a wired connection between the steering wheel and the dashboard to transmit the position of the accelerator ring twice every millisecond to the DARIOS electronic module under the dashboard. This module connects to the vehicle engine controller.

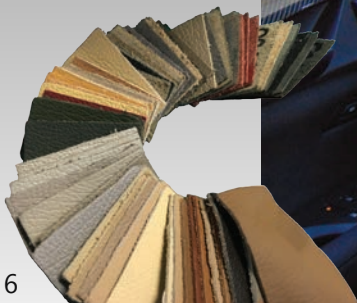
DARIOS requires the matching of two independent signals before deactivating the original throttle pedal and controlling the acceleration of your vehicle with signals identical to the original pedal.

ELEGANCE

DARIOS respects the elegance of your vehicle.

You may choose the color of the leather for your accelerator ring DARIOS and for the main hand brake knob. Matching the leather to the car's interior makes the system appear to be a part of the original equipment of the vehicle.

Many colors are available and new ones are added very often. Don't hesitate to choose your favorite color.





Impressive



Sandra took her modified «school-bus» from Germany to the US and spent several months traveling all across the country.

You may follow her at: <https://www.skooliemiissionadventure.com>



EXCEPTIONS



Tim realized his dream: Racing with his BMW M4 GT4 with a Darios accelerator ring designed specifically for him.

PICADO

PICADO is a steering knob installed left or right on the steering wheel to enable a driver with only the use of one hand to control the secondary functions without taking his or her hand off the wheel.

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 maneuvers the stabilizing force is hardly noticeable.

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

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



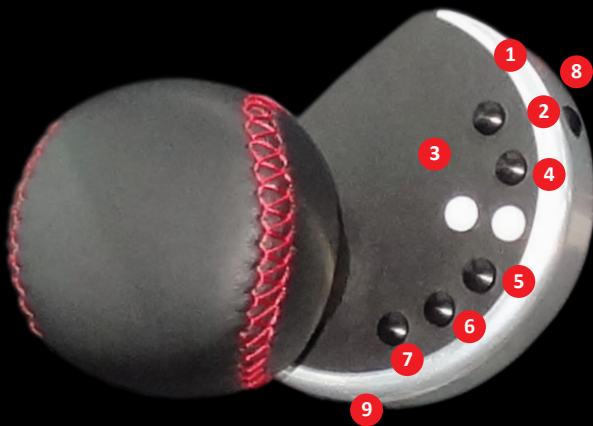


PICADO is compatible with the airbag and can be installed in most vehicles. The original secondary functions remain functional.

One HAND

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 round-abouts :

- 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.



in the WHEEL



Left Foot AC

electronically commutab

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.



CELEBRATOR



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.



CUSTOMERS' COMMENTS

"I did a google search on adaptive hand controls and after a bit of searching I came across your company.

I was driving a vehicle with the old-style push/pull left side hand controls and I felt it was a poor design, I could only steer with my right hand and to operate lights turn signals heat controls etc. I would have to take my hand off the steering wheel. It just seemed silly to me.

I have recommended KEMPF controls to everyone that looks at my truck. I really do think this is a better way to drive."

Curtis B. – Ford F-150

"The best part of getting my Subaru modified with the Kempf equipment was working with you and Martine to make it all happen.

In addition to designing, manufacturing and installing the finest hand control systems in the business, your company has also developed a great system for dealing professionally with your customers. Your company is simply the very best and you should be proud of being affiliated with Kempf Inc."

Georges L. – Subaru Outback

"Kempf has been amazing from the beginning. I've outfitted 4 cars now with the Kempf Darios system and I'll never go back. The company treats you like family and that means a lot."

Adam P., FL – VW Golf R

"Looks factory installed.

Accelerator ring and brake location form a natural combination that makes driving comfortable."

Mac G., FL – Toyota Highlander

"I'm very pleased with everything regarding the modification! Product and customer service has been excellent!"

Jeff B., MA - Chevrolet Camaro

"I had the Darios Ring and Handbrake installed on my minivan in July.

Fantastic device, I love having the ability to drive again.

Install looks factory and having the ability to switch off so my wife can drive the van is fantastic. Thank you Kempf and Martine."

Harry R., NJ - Dodge Caravan

Give us your feedback and comments or read more at: www.kempf-usa.com

LIFETIME WARRANTY



All Kempf products have a lifetime warranty. Should the need for service arise and the issue is suitable, we will send a technician to your home. If not, we will provide roundtrip transport to our Tampa facility free of charge.

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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 12/31/2028 for a Darios and handbrake or Picado installation.

VA ACCEPTED

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 auto grant and so your Darios and main hand brake will be paid for by the Department of Veterans Affairs.

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 easy for anyone to learn.

Also, 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.

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