

Advanced car suspension keeps acrobats on their toes



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See Ferrari text
Pictures must credit: BYD/Yangwang

A new luxury family car with a groundbreaking suspension system has shown off its abilities — by having acrobats and a juggler perform on the roof as it tackles road humps.

Chinese manufacturer BYD has launched the electric powered vehicle called the U7 under a new line called Yangwang.

It features what BYD calls its advanced DiSus-Z active suspension system.

It is integrated with the car's LiDAR obstacle recognition system and cameras to enable the suspension to make predictive adjustments to shock absorber stiffness.

It does this by scanning the road conditions about half a second ahead to anticipate any bumps and adjust accordingly – up to 1,000 times per second.

To show just how smooth a ride this is said to give, a variety of performers , including a juggler, took turns to balance on the roof of a vehicle as it drives across cobblestone streets and speed bumps ranged between 30mm-50mm high.

The Yangwang U7 also has four motors, one at each wheel, averaging about 320 hp each.

The car is said to have a 0-100 km/h time of 2.9-seconds.

The car is currently only available in. China at the equivalent price of between. €80.000 and €90.000 Euros.

OPS: Performers stay balanced on the roof of the Yangwang U7 car as the vehicle keeps steady thanks to its advanced suspension system.

Picture supplied by Ferrari
(FOTO: DUKAS/FERRARI PRESS)

Special instructions

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Original references