

Note

Title

Test drive event to experience the potential of “EV x Transmission.”

Sub-title

NISMO car No. 23 driver Ronnie was surprised by its potential!



●Lead

NISMO FESTIVAL2023 was held on December 3rd. A test drive event for JATCO's own EV (Electrical Vehicle) was held at the multi-purpose course of Fuji Speedway, which was the venue for the event.

What are the characteristics and capabilities of JATCO's original EV?



### ●JATCO original EV

There are 4 EVs prepared this time. The unique feature is that it is based on a commercially available ICE vehicle (a vehicle equipped with an engine and transmission) and has been replaced with JATCO's signature transmission and motor. First of all, I would like to introduce the prototype car that we created this time.

- ①5-speed AT×EV (Hyper EV)

The Nissan Caravan is currently on the market equipped with a 5-speed AT. We replaced the 5-speed AT's torque converter with a powerful motor and created a "Hyper EV" with a clever layout.

- ②7-speed AT×EV

This is an EV version of the commercially available Nissan Caravan with minimal changes. The transmission remained the same, but the engine was replaced with a motor with the same output, making it an EV.



Fig3: Hyper EV



Fig4: Conversion EV

③Light commercial van (NV100) x EV

NV100 is Mitsubishi Motors' commercial vehicle van. The engine was replaced with a motor and combined with a 5-speed manual transmission. (Fig5)

④Titan x EV (\*Test drive event not held)

Titan is a pickup truck equipped with a 9-speed AT and sold in the North American market. We have created an EV vehicle equipped with the electrification unit under development that was exhibited at the Automotive Technology Exhibition 2023 in May 2023.



Fig5: NV100 x EV



Fig6: Titan x EV

●NISMO driver Ronnie also praises it 🚗

Ahead of the test drive event, we had Ronnie, driver of NISMO Super GT500 car No. 23, test drive the Hyper EV.





Ronnie test-driving Ronnie giving his impressions.



Exciting test drive

● Test drive event, what were customers reaction?

On December 3rd, approximately 40 general customers took a test drive under the title "Test Drive to Feel the Potential of EV x Transmission." It seems that the Hyper EV received particularly high praise!

⇒ Test rider comments (\*Original text posted)

- Although the sound was different, it felt like an engine car and was interesting.
- Acceleration was good. It felt good and I didn't feel any rattling when shifting, which was great!
- I preferred an EV vehicle with a 5-speed AT. The torque connection was smooth and good!



● Published/NISMO FESTIVAL2023 event video

Finally, we will deliver a video that shows the entire NISMO FESTIVAL 2023 event.

In addition to the X-in-1 installed in Nissan Motor Co., Ltd.'s EVs and e-POWER, and the e-Axle exhibited at the Automotive Technology Exhibition, the clutch (Kaegiris LSD) being tested in NISMO vehicles and initiatives related to SDGs. You can also take a look at the JATCO booth that promoted these and other things.

In addition, the Shizuoka University formula team, which JATCO has a sponsorship contract with, was invited, and formula cars were also on display, making the event very popular.

JATCO will continue to take on challenges to expand our possibilities!!



JATCO booth photo



Shizuoka University Formula Team and CEO Sato



Let's expand the possibilities!