# E531 series




(By MaedaAkihiko - CC BY-SA 4.0)

# Introducing

The E531 series (E531□ , E531-kei) (E531□□□□□ /E531-keidensha or JR□□□ E531□□□ /JR Higashinihon E531-keidensha) is a type of dual-current self-propelled trainset, used for commuter and suburban services and operated by the East Japan Railway Company (JR East) in northeastern Greater Tokyo since 2005.

The E531 series was designed to replace the aging 403/415 series of steel cars used on the Jōban and Mito lines. Its other objective is to improve operating speed following the opening of the Tsukuba Express in 2005.

(Wikipedia)

# Console detail

Apart from the pocket watch and the door-closing indicator in the center of the console, there are 2 displays. In addition, on the left, above the console, is the dial for the ATS-Ps, which will not be used.




The first screen (train technical info) displays electrical voltages (including DC/AC indicator) and various indicators at the top.

The bottom area contains:

- Brake level and indicators for emergency brake in red (□□ ) and speed limit in green (□□ )
- Brake cylinder pressure (BC)
- Main air reservoir pressure (MR). Note that if this falls below the red zone (780kPa), the compressor starts up.
- Speed dial.

The top line of indicators are those for ATS-P. Here are the translations of the bottom line:

1. 3-phases (□□ )
2. Emergency short-circuit (□□□□ )
3. Snow resistant brakes (□□□□□□ )
4. Safety Brakes (□□□□ )
5. Cruise control (□□ )
6. Parking brakes (□□□□□□ )

Consult the MON/TIMS/INTEROS screen page for more details about the TIMS screen.

# Availability

This model is available on these lines:

- Joban line (E531-0 version)

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Révision #2
Créé 2024-10-21 07:33:36 UTC par cracrayol
Mis à jour 2025-03-03 15:41:45 UTC par cracrayol