



Emission Manipulation

Remapping of OnBoard Diagnostics (OBD)



Market Reality

Progress is inevitable and each generation of Euro regulation has intensified the complexity to meet more and more strict emission limits. This has caused exhaust parts to become more costly and when dealing with vehicle maintenance, some will try to get around the regulations.

A study by the University of Heidelberg on behalf of the German TV station ZDF found that approximately 20% of all eastern European trucks drive through Germany use an Emulator Box.

Examples of Euro III Silencers (excluding catalyst)



Emulator Box

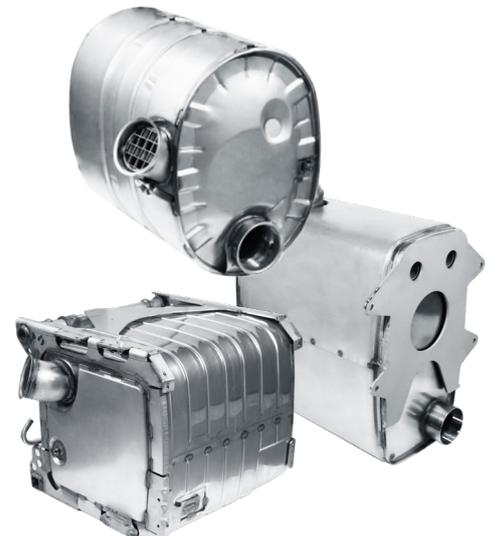
One method to get around regulations is by use of an Emulator Box, where Euro IV/V vehicles are tricked to run their SCR system without the AdBlue additive. The boxes are easily bought and are causing problems in Europe. Emulators are illegal in Australia and European organizations are lobbying the EC to take similar actions.



The Emulator Box is easily acquired and is already causing problems in the market.

The Emulator Box disables the AdBlue system and tricks the OBD system into believing the SCR system is functional, essentially turning Euro IV/V engines into Euro III engines.

Examples of Euro IV/V Silencers (including catalyst)



It's possible to interact with the vehicle's engine control unit to achieve

Euro V trucks being able to run with failed catalysts.
Euro IV LCVs being able to run without DPFs.

Why remapping?

Save money on AdBlue.
Reduce maintenance of the exhaust and dosing system to minimum.

Disadvantages by remapping

Harmful for the environment and your health.
Unfair competition between the transporters.

! It's illegal to use an emulator box with the intent of deactivating the AdBlue system.

Locations

Dinex Head Office • Fynsvej 39 • 5500 Middelfart • Denmark • Tel.: +45 63 41 25 00 • dinex.net
China • Denmark • Finland • France • Germany • Italy • Latvia • Poland • Russia • Serbia • Spain • Turkey • United Kingdom • United States