

## **Manipulation on EURO IV, EURO V and EURO VI Trucks by Suppression of AdBlue Injection**

### **Detection of manipulated Trucks – Situation End of December 2017**

The six heavy-duty truck control centers in Switzerland have controlled in 2017 (February to December) roughly about 25,000 vehicles. About 1 % of the controlled vehicles have been detected with irregularities concerning the pollutant control equipment – tendency decreasing (possibly due to strict controls).

#### **Checking Procedure for Heavy-duty Vehicles in Erstfeld**

The following text describes the checking procedure in the biggest Swiss control center for heavy-duty vehicles in Erstfeld. The vehicles to be inspected are selected at random. They are checked for traffic safety, weight, maximum dimensions etc. The AdBlue system has also been checked since manipulations of this system became known. On suspicion of manipulation the vehicle undergoes a technical control. The staff has become highly experienced in that matter. In addition, they have a test device they can use. If necessary, the vehicle is also checked by a brand representative.

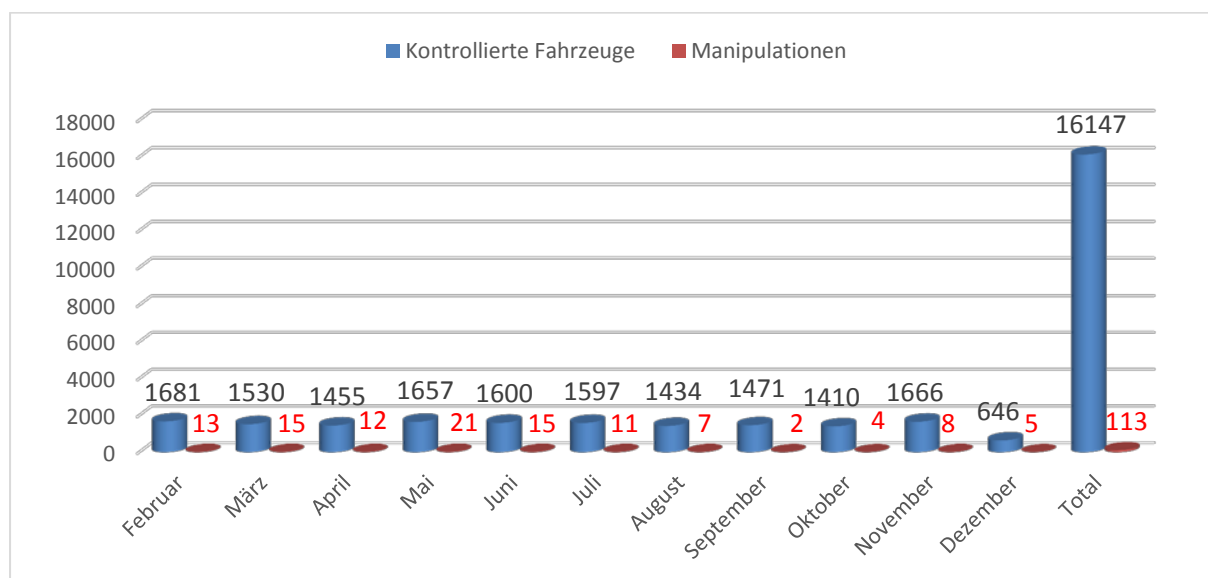
In the event of manipulation the fine\* is issued at the driver’s expense. The driver has to fill in a written interrogation for finding out the exact date of manipulation. The Federal Customs Administration then checks the performance-related heavy vehicle charges (LSVA) and a readjusted tax may be raised. The readjusted tax will be claimed as far as evidence exists.

Manipulated vehicles are always shut down. The manipulated system as well as other possible dangerous defects must be urgently repaired and put in order, needless to say at the owner’s expense. Only then may the vehicle leave the control centre to continue its journey.

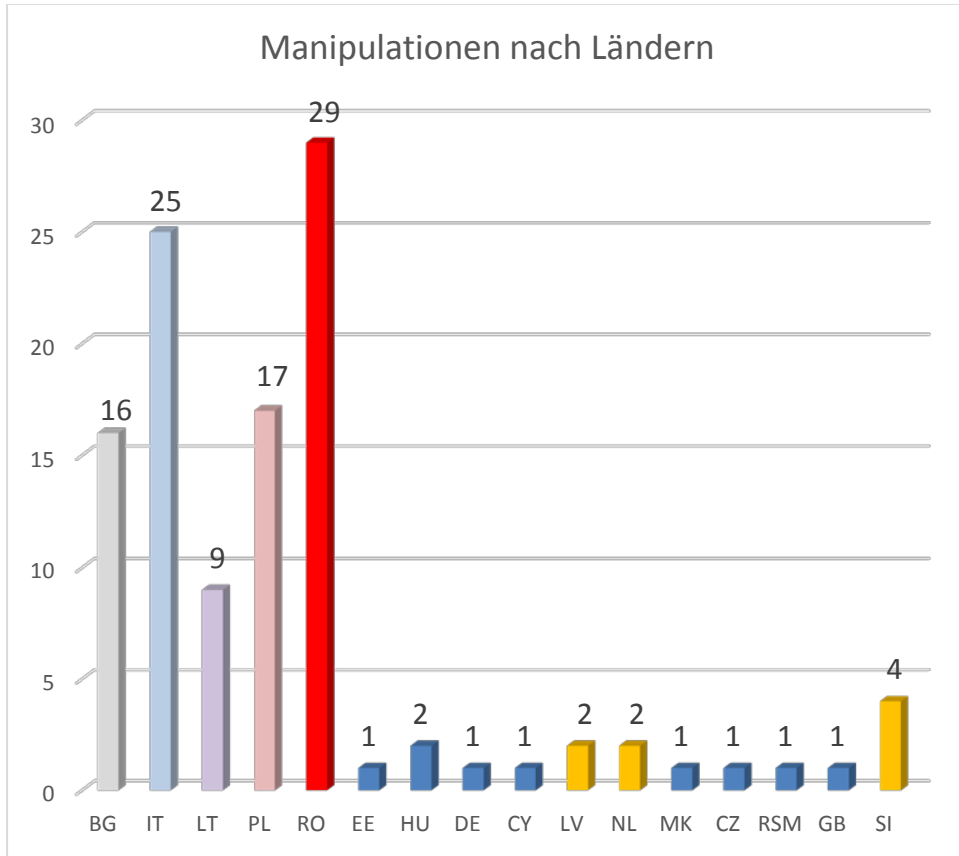
\*) The legal base for fines is laid down in the Swiss Road Traffic Law. Fines are set by the Cantonal prosecutors. Fines are governed by the Cantons and add up to approximately CHF 900.- (approx. €780.-), that is to say CHF 500.- fine and CHF 400.- fees.

#### **Facts and Figures about checked Vehicles in Erstfeld (February – December 2017)**

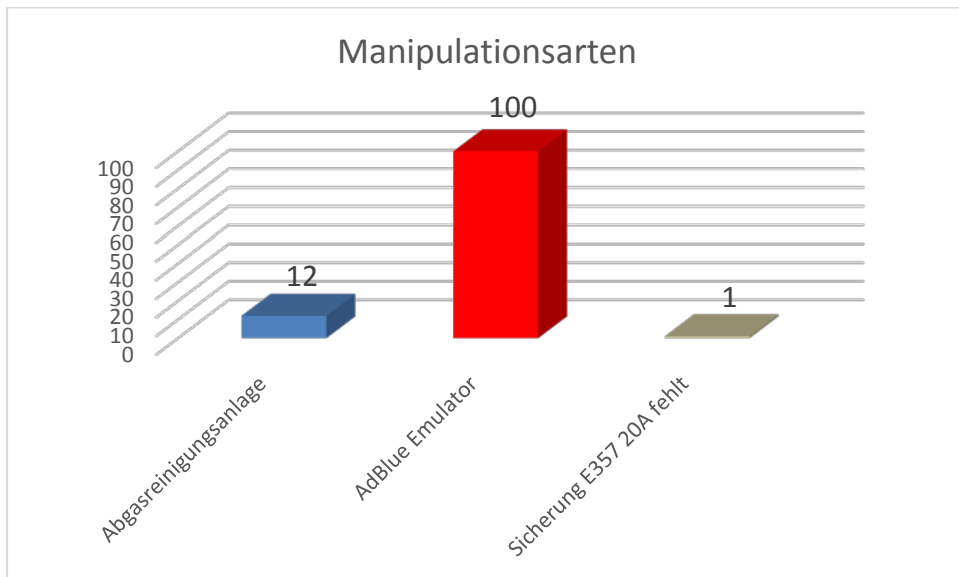
The following graphs give detailed information of the inspections in the control center in Erstfeld. 16,147 vehicles have been controlled during the last year in Erstfeld, 113 of them were not ok.



#### **Controlled vehicles vs. manipulated vehicles**

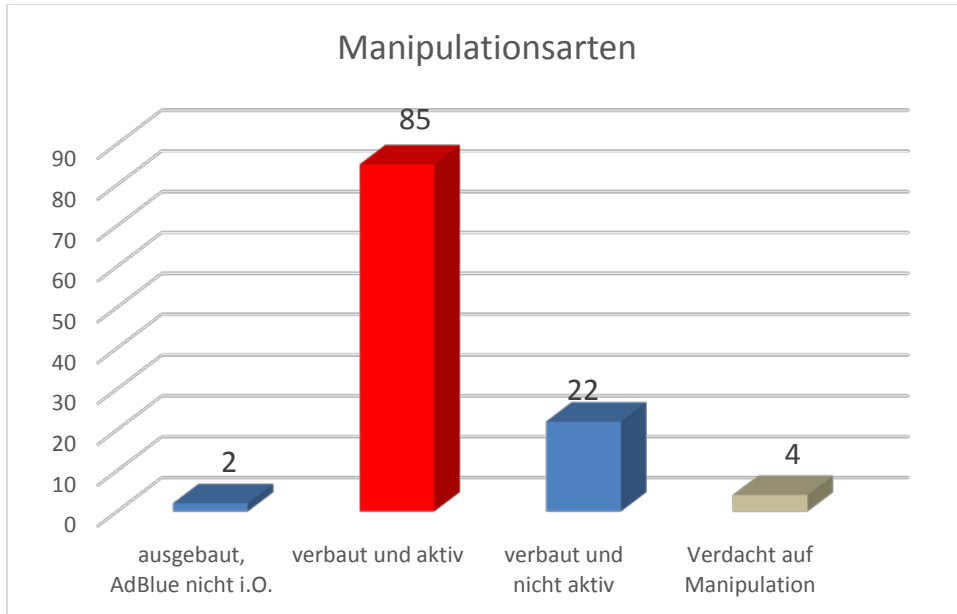


**Manipulation according to countries (acronyms according to ISO 3166)**



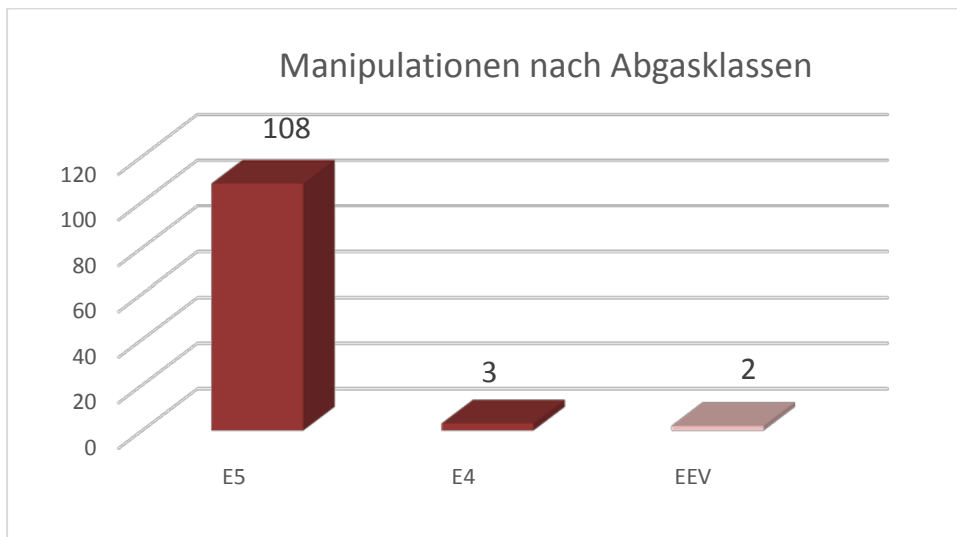
**Kind of manipulation**

- Abgasreinigungsanlage = pollutant control equipment
- AdBlue Emulator
- Sicherung E357 20A fehlt = fuse E357 20 Ampere is missing



#### Kind of manipulation

- ausgebaut, AdBlue nicht i.O. = emulator removed but AdBlue not ok
- verbaut und aktiv = emulator fitted and active
- verbaut und nicht aktiv = emulator fitted but not active
- Verdacht auf Manipulation = suspicion of manipulation



**Manipulation according to emission categories:**

|           |              |
|-----------|--------------|
| - EURO IV | 3 vehicles   |
| - EURO V  | 108 vehicles |
| - EEV     | 2 vehicles   |