



Meck Lock System HGV Fact Sheet

History

Meck Lock System Italia srl was established in 1989 to manufacture a mechanical immobiliser designed specifically for HGVs. Since then the company has gone from strength to strength and are now represented in the following countries: UK, Canada, Japan, Portugal, Spain, New Zealand and Australia. The system is now fitted to 60,000 HGVs in Italy without a single theft being recorded. The system has also been adapted for all other types of vehicles (plant, agriculture, vans, cars) and 150,000 installations have taken place worldwide without the system being beaten.

Technical

- Mechanical and Electronic immobiliser permanently fitted and operated by a key
- Key has 20,000,000 combinations – produced by HF Sécurité solely for Meck Lock
- Key cylinder unbeatable/Key irreproducible
- Thatcham unable to beat key cylinder during bench test
- Key attaches to drivers key ring with unique bayonet style clip
- Fitted to both the handbrake and clutch system
- Buzzer can be fitted to remind driver to activate/deactivate
- Electronic system immobilises the ignition system (12V or 24V)
- Operates up to 250 bar
- Maximum of two hours to fit
- Product comes with a 3-year warranty

Operation

When the key is removed the unit stops the flow of oil in the hydraulic system and the flow of air in the pneumatic system. The electronic immobiliser also cuts the ignition system. If a thief were to try and steal the vehicle he would come up against a three-tier defense system. First of all the vehicle would not start even with the truck's ignition key. If he could beat the electronic immobiliser and start the truck, when he tries to take off the handbrake the lever will not move. If he could beat the handbrake, when he depressed the clutch, the clutch would remain depressed and not return to the engage position. The only way to beat the system

is to take it off. This will take at least 6 hours and will require him to be uninterrupted, have the correct tools, have the correct pipes and connection bolts to replace the unit pipes and he will also need to know what he is looking at. No system in the world is unbeatable but the strength of this system is that it takes so long to beat (6 hours) that the thief would give up long before then.

Certification

- Thatcham Cat 3 (HGV) certification
- EEC 72/245, 95/54
- TÜV – 377/0111/99/FBKA (German Regulatory Board)
- ABE – KBA/90609 (German Ministry of Transport)
- EU – All standards for quality and safety

Sales

The system is sold to the following manufacturers in Italy and the UK, who fit on customer demand:

IVECO, Spa Torino, CAT, JCB, Thwaites, Fiat-Hitachi, Bobcat, OM Forklift, Neuson, Komatsu

The system is sold to the following dealers and rental fleets in Italy, who fit on customer demand:

DAF, MAN, Mercedes, Renault, Scania and Volvo