



New digital certification system

LVVTA is rolling out a replacement to the traditional LVV certification plate.

Engraved LVV certification plates have been around since 1992, displaying an abbreviated list of the vehicle modifications for WoF Inspectors, Police and Entry Certifiers, to confirm the vehicle has been inspected and the modifications are certified.

Over time the background of the plate has changed but the data has always been in the same format, within the limited space available.

LVVTA is in the process of transitioning to an electronic system which will bring enhanced features and provide access to considerably more information, with far more detailed documentation of the vehicle modification(s), including a selection of photographs.

Smaller size is easier to install

The replacement for the engraved alloy certification plate is an individually numbered electronic data plate in the form of a plastic disc with a microchip and antenna embedded inside.

The system utilises contactless Radio Frequency Identification (RFID) technology for wireless transmission of information. Batteries are not required; much like the security tags on clothing in retail stores, the chip is activated by a signal from the reader.



The replacement for the old alloy cert plate is a small plastic disc.

The small size of the disc allows it to be more easily fitted than the engraved plate, which is a significant advantage as it has long been an issue to find a suitable attachment space in a cramped engine bay or on a motorcycle frame.

Size vs space has led to engraved plates being fitted in all manner of places, under plastic trim, on removable panels and on the underside of parcel trays.

The intention is to have one common place to fit the disc to reduce the time spent hunting for it.

Easier access to the full information

The disc does not contain the certification information, it is programmed with an individual code which links to an online database that contains information on the vehicle modifications.

An RFID reader is used to retrieve a code from the microchip in the disc, or manually by visiting the LVVTA website and entering the serial number on the disc together with the last six digits of the vehicle's VIN number.

Many newer smartphones have RFID reader technology built in, known as NFC (Near Field Communication). The device must be close to the disc to scan it and once read, the data is automatically presented on screen.

Unlike the restricted space on an engraved plate, large amounts of data can be stored and made available.

Entry and WoF Inspectors will be able to check the vehicle against the information and confirm the modifications are the same as at time of certification. The quick access to photographs will make this task easier.

The availability of detailed information will also be useful for Police and prospective vehicle purchasers wanting to check compliance.

More streamlined process

The LVV certification inspection process will become much more streamlined, as the disc is fitted at the time of inspection – there is no wait for a certification plate to be engraved and fitted.

The move to the electronic data plate will also enable further benefits to the system over time.

The initial rollout will happen later this year for all new LVV certifications. Any previously certified vehicles that are being re-certified will swap from engraved plate to disc. There is no requirement to replace existing plates with discs.

Data security

A certified vehicle's information will only be accessible from a direct, very close-range scan of the disc, or through the LVVTA website as previously stated. As is the case with engraved LVV certification plates, full access to the vehicle will still be required.

Safeguards have been built into the system to protect the data and provide security against cloning or counterfeiting the discs. The technology is proven to meet security requirements and is used by governments and official agencies around the world.



Engraved certification plates have only changed subtly over time. The data has remained the same in limited space.



For more information on the change to electronic data plates, contact a member of the LVVTA technical team: tech@lvvta.org.nz.

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