

Introduction of LVV Electronic Data Plates

Introduction:

This Information Sheet covers the introduction of LVV Electronic Data Plates, which will be fitted to all vehicles going through the LVV certification process from February 1st, 2021. It includes details on the LVV Electronic Data Plate technology, benefits of the new process, and how this change will affect vehicle owners, modifiers, Authorised Vehicle Inspectors (AVIs), the NZ Police, and LVV Certifiers.

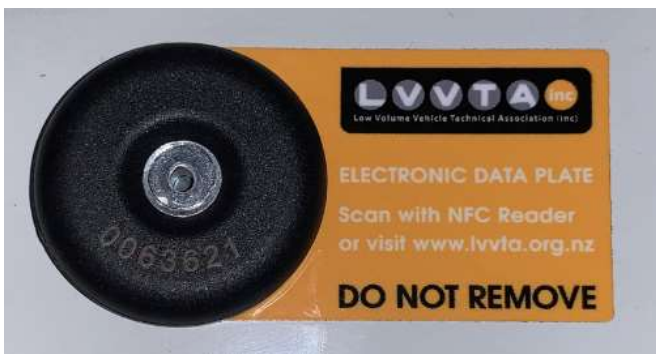


Figure 1 - Example of an LVV Electronic Data Plate fitted to a vehicle.

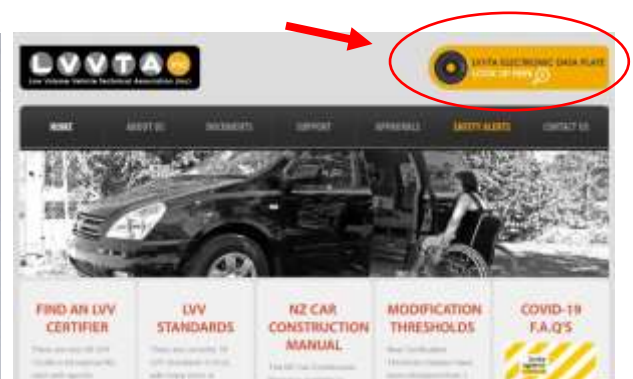


Figure 2 - LVVTA's website showing the link to the LVV Electronic Data Plate 'Lookup' page.

Overview:

Historically, after a vehicle passed its final inspection for LVV certification, the LVV Certifier sent all required documentation to the LVVTA office for processing and the production of an engraved LVV Certification Plate. Once the documentation was received and the LVV certification details processed, LVVTA engraved an LVV Certification Plate and sent it by courier to the LVV Certifier, who arranged to see the vehicle again for the engraved LVV Certification Plate to be fitted in place.

The new LVV Electronic Data Plate will be fitted to the vehicle during the final LVV certification inspection, eliminating the delays caused by waiting for delivery, and the final visit to fit the engraved LVV Certification Plate. This is a real benefit to both the vehicle owners, and the LVV Certifiers.

Additionally, rather than the limited information provided by the engraved LVV Certification Plates, a more detailed description (including photographs) of the LVV certified modifications will be available online.

Background:

Since instituting the LVV certification system in 1992, engraved LVV Certification Plates have been used to record identifying information about the vehicles they are attached to, including an abbreviated list of LVV certified modifications. LVV Certification Plates are an essential part of an LVV certification, as they show interested parties such as AVIs, the NZ Police, Entry Certifiers, and insurance companies, that the vehicle has been inspected, and the modifications are certified as safe for use on NZ roads as determined by the LVV Code and LVV Standards.

Accessing the vehicle modification information:

There are two ways to retrieve the information the LVV Electronic Data Plate links to; with an RFID/NFC reader, or via the LVVTA website LVV Electronic Data Plate 'Lookup' page. Many newer smartphones contain an RFID reader, which when held in close proximity to an LVV Electronic Data Plate, will scan and open the unique link assigned to it. Mobile phones with a 'Near Field Communicator' (NFC) app (available



Figure 4 - The LVVTA website LVV Electronic Data Plate 'Lookup' page. The LVV Electronic Data Plate number and the last six digits of the VIN must be entered to access the information. After completing those fields, click 'Lookup' to bring up the LVV certification details.

from the App Store if required), can also be used to scan the LVV Electronic Data Plate. Alternatively, similar to the current engraved LVV Certification Plate, each LVV Electronic Data Plate is labelled with a unique identifying number, which can be entered into the appropriate section of LVVTA's website along with the last six digits of the VIN: <https://www.lvvta.org.nz> (see Figures 2 and 4).

Ideally the LVV Electronic Data Plate will be rivetted to the passenger's door jamb but could be in another clearly visible and easily accessible location, such as next to the VIN. In the case of a motorcycle the LVV Electronic Data Plate will be attached on the frame in a position accessible to be scanned or read.

To aid visibility, the LVV Electronic Data Plate may be accompanied by an orange label.

Both methods will link to the information and photographs recorded from the LVV certification. It is important to note that while the information stored can be viewed by anyone with an RFID/NFC reader, or accessed through LVVTA's website with the appropriate identifier information, only LVVTA's Plating Team has access to edit the data recorded on the LVV Electronic Data Plate database.

Security of the data:

The type of Electronic Data Plate chosen by LVVTA for LVV certification has undergone extensive security testing and has been proven to meet stringent security requirements around the world, as insisted on by various governments and their agencies.

As the RFID chip within each LVV Electronic Data Plate emits a low frequency, the RFID/NFC reader must be in close proximity to scan the chip. This means the data can only be read by a person who has full access to the vehicle, as is the case with engraved LVV Certification Plates.

Access to the vehicle is also necessary to enable retrieval of the LVV certification details through the online 'Lookup' system, as both the unique identifying number marked on the LVV Electronic Data Plate, and the last six digits of the vehicle's VIN or chassis number are required, providing a further layer of security.

Frequently Asked Questions:

Is the WoF/CoF inspection process different for vehicles fitted with Electronic Data Plates?

Yes, instead of checking the modifications against the abbreviated description on the engraved LVV Certification Plate, the AVI must view the LVV certification details by either scanning the LVV Electronic Data Plate with an RIFID/NFC scanner or accessing the vehicle information via the online 'Lookup' system. The AVI must ensure the presented vehicle matches the details recorded in the system. If there are discrepancies, the vehicle must be rejected and referred to an LVV Certifier to have the vehicle re-certified or the issues rectified.

If the photos show that the vehicle has been modified since it was LVV certified, does it fail the WoF/CoF inspection?

Yes. As above, if any safety-related discrepancies are identified in the photographs or the detailed description of the modifications, the vehicle must be failed and referred to an LVV Certifier.

If the vehicle is fitted with an LVV Electronic Data Plate but no results are displayed, it is likely the LVV certification has not been processed yet, or was never completed, and therefore the vehicle is not certified and must fail a WoF/CoF.

Will the old engraved LVV Certification Plates be replaced by LVV Electronic Data Plates?

No, an existing engraved LVV Certification Plate on a LVV certified vehicle will not be replaced with an LVV Electronic Data Plate; both systems will exist in parallel and both can be accepted as proof of LVV certification.

If a modified vehicle that is already certified with an engraved LVV Certification Plate has further modifications and needs to be certified again, the engraved LVV Certification Plate will be removed and an LVV Electronic Data Plate fitted. The online database will hold information on all of the modifications.

Finally:

For any assistance in the use of this Information Sheet please contact the Wellington LVVTA office on (04) 238 4343.