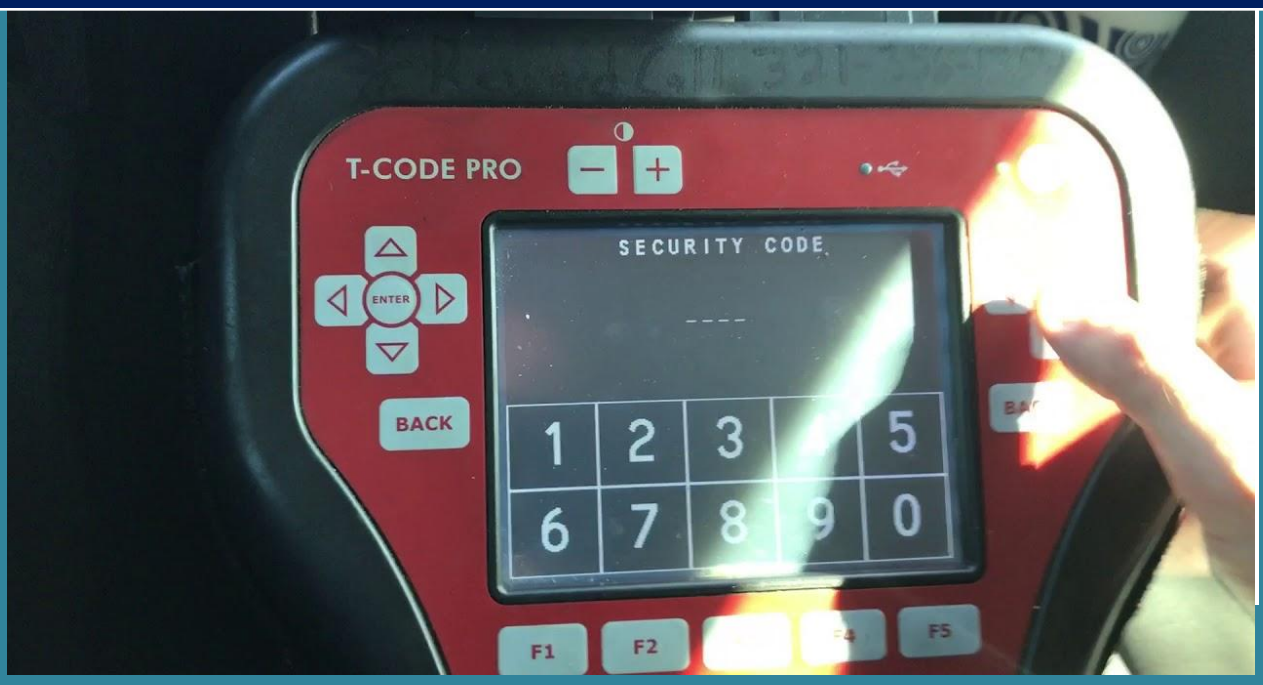
Automotive Key Programming & Security Systems Installation Skills Training

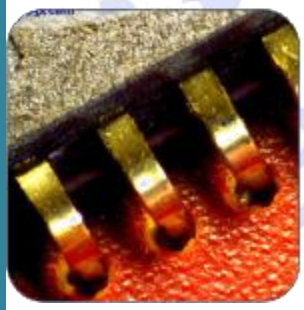


Venue: Kenvision Techniks Workshops

Ken Vision
Train. Equip. Perfect








Course Details

The Auto locksmiths 5 day comprehensive course is the ultimate in Auto locksmith training. The 1 week course offers everything from basic to the advanced key programming equipment, together with 2 days of actual vehicle scenarios to hone your skills and build your confidence in your abilities.

This course is suitable for those with little or no experience in the auto locksmith trade and offers a greater level of in depth training in both the mechanical and electronic parts of the market, culminating in gaining entry, making a key and programming a range of practice vehicles.

Our students will understand the workings of the lock and therefore how to open them when no keys are available. They will be taught how to cut and decode keys, learn how to use diagnostics & transponder programming and cloning machines, as well as how to carry out EEPROM programming.

The course is 50% practical to ensure you know how to put the theory into practice. Upon completion of the course you will have the ability to start practicing as a knowledgeable Auto locksmith and have an in-depth ability to work on the vehicles trained on. You will also receive a detailed instruction manual and training certificate.

Course Content

We offer a range of courses covering the following skills:

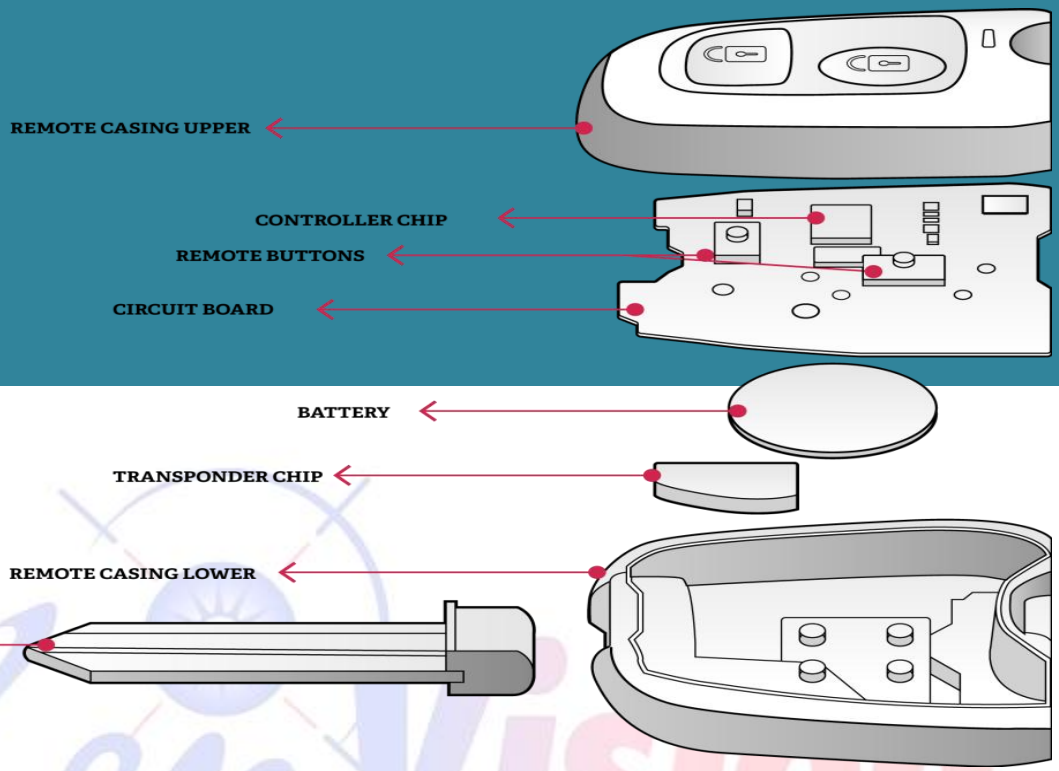
- Strip and understand the characteristics and rebuild a range of vehicle locks
- Recognize lock faults, repair and service effectively
- Effective entry of vehicles without causing damage
- Key cutting, both duplication and to code
- How to find key code locations and vehicle information
- An overview of immobilizer systems, transponders and diagnostics
- Demonstration and practical experience on modern vehicles
- Essential business planning including what to ask when the phone rings
- Relevant paperwork requirements including pricing structures and invoicing
- Key & remote programming skills using the AD100Pro
- Specialist programming software such as True code &Cryptoworks

- Pincode reading procedures, methods and options
- Understanding transponders, fixed, Crypto and Precoded
- Key cloning procedures, methods benefits and usages
- EEPROM and microprocessor programming
- Learning de-soldering & soldering techniques

- Completion of various vehicle scenarios

Locking systems for most vehicles will be covered in great detail and other systems within the given time frame.

Within the training course you will have in depth training on the very latest state of the art equipment available to the modern Auto Electronics, including key programming, key cloning and EEPROM and processor reading.



Who Should Attend

This course is ideal for candidates that can be away from the business for a 1 week period or candidates that are looking for a career change. Again the course is ideal for locksmiths not involved in the auto market, motor trade operations that want to offer automotive keys and lock services and people looking for a career change into a niche market with a high level of technical content and good rewards. This training course is very popular with military personnel looking for a civilian life business opportunity.

An ideal training course for someone wanting to start out in this trade with an exception level of training giving you the best start possible.

Locking systems fitted to Ford, Toyota, Rover, Peugeot, Mercedes and VAG vehicles will be covered in great detail and other systems within the given time frame.

Within the training course you will have in depth training on the very latest state of the art equipment available to the modern Auto Locksmith, including key programming, cloning and EEPROMing equipment.

Automotive security systems & Components Installation

This 5 day unit describes the performance outcomes required to install and test automotive security systems and components in vehicles or machinery. It involves preparing for the task, installing and testing system and component operation, and completing workplace processes and documentation. The security systems and components will not require programming following installation as they do not communicate with the vehicle or machinery controller area network databus (CAN-bus or LIN-bus) topography.

It applies to those working in the automotive service and repair industry. The electrical security systems and components include those being installed in agricultural machinery, heavy commercial vehicles, light vehicles, vessels, mobile plant machinery, motorcycles or outdoor power equipment.

Elements and Performance Criteria

Elements Elements describe the essential outcomes.	**Performance Criteria** Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Prepare to install security system and components	1.1 Job requirements are determined according to workplace instructions 1.2 Manufacturer specifications and installation fitting instructions are accessed and interpreted 1.3 Installation options are analyzed and those most appropriate to the circumstances are selected

	1.4 Hazards associated with the work are identified and risks are managed 1.5 Tools and equipment are selected and checked for serviceability
2. Install and test security system and components	2.1 Security system and components are checked for correct application and damage 2.2 Security system is installed according to manufacturer specifications, workplace procedures and ***safety requirements*** , and without causing damage to components or systems 2.3 Installed system and components are tested for correct operation according to workplace procedures and manufacturer specifications 2.4 Post-installation testing of other electrical systems is carried out according to workplace procedures to confirm correct operation, and any problems detected as having been introduced during the installation process are rectified
3. Complete work processes	3.1 Final inspection is made to ensure work is to workplace expectations and vehicle, vessel or machinery is presented ready for use 3.2 Work area is cleaned, waste and non-recyclable materials are disposed of, and recyclable material is collected

	3.3 Tools and equipment are checked and stored and any faulty electrical equipment is identified, tagged and isolated according to workplace procedures 3.4 Workplace documentation is processed according to workplace procedures

- On completion of the training, participants are expected to;
- *Install and configure GPS trackers on vehicles (assets).*
- *Track vehicles (assets) on a real-time/online tracking platform.*
- *Perform basic trip management operations such as; setting Points of Interests (POIs), generating trip reports, creating geo-fences, setting automated reports (to be issued when certain rules are violated), among others.*
- *Automate vehicle maintenance scheduling operations based on mileage covered.*
- *Demonstrate good understanding of the standard implementation of GPS/GLONASS and RFID technologies in Cargo/Asset Tracking and Fleet Management Operations.*

Mode of delivery

Under this category, lessons will be administered in three (3) Modes;

- **Mode 1:** A 2-day class room training on satellite based Vehicle Tracking and Fleet Management Systems.
- **Mode 2:** Practical training on installation of vehicular tracking systems. Participants will be assigned to experienced installers (engineers) who will put them through the installation processes; to a level we can attest to their competences.
- **Mode 3:** Hands-on training on real-time tracking, administered over the internet.