



**kdlhardwaresupply**

*Supplying Peace of Mind Since 1919*

**TRAINING SESSIONS  
MONDAY MAY 16 Through  
FRIDAY MAY 20, 2022**

In person training is returning to the Tukwila Community Center in May of 2022. Detailed locksmith training session content is shown on the pages of this booklet as well as online:

[catalog.kdllink.com/BITMSRCH.pgm](http://catalog.kdllink.com/BITMSRCH.pgm)

Refer to page 2 for a complete calendar of classes, including times and classroom in which the training session will take place. Most classes include a tasty lunch.

# **KDL Hardware Supply LOCKSMITH TRAINING WEEK**



THE IMPRESSIVE TUKWILA COMMUNITY CENTER ON THE BANKS OF THE PANORAMIC DUWAMISH RIVER

## **KDL ANNUAL SPRING LOCKSMITH TRAINING**

**CLASSES MAY 16 THROUGH MAY 20, 2022**

**TUKWILA COMMUNITY CENTER**

**12424 42ND AVE S**

**TUKWILA, WA 98168**

**Class Schedule Page 2**

***\*Please note:***

*Class sizes may be limited due to social distancing. Register soon to be enrolled before the maximum class capacity is achieved.*

**The Ramada Tukwila Hotel and Suites  
15901 W Valley Highway  
Tukwila WA 98168**

**KDL Guest Rooms  
Special \$89/Night**

**Out of Town Guests:  
RESERVATIONS**

**425-226-1812**

**STATE THAT YOU ARE WITH THE KDL  
GROUP TO GET THE SPECIAL RATE**

# KDL HARDWARE SUPPLY LOCKSMITH TRAINING 2022

## TO ENROLL

- CALL DWAYNE AT 800-926-7716 EXTENSION 100
- ASK YOUR FAVORITE KDL CSR TO HELP YOU OR TO ENROLL YOU
- ENROLL ONLINE [www.kdlhardware.com](http://www.kdlhardware.com)



DAY	DATE	CLASS TITLE	CLASS HOURS	FEE	ROOM
Monday	05/16/22	Original Lishi Tools In Depth Training	8 am - 4 pm Lunch	\$150	CLASSROOM 'A'
Mon/Tue	05/16 & 17	Fundamental Locksmith Skills	8 am - 4 pm Lunch	\$400	MEETING 'A'
Tuesday	05/17/22	Introduction to Automotive Locksmithing	8 am - Noon	\$100	CLASSROOM 'A'
Tuesday	05/17/22	Schlage ND/ALX Cylindrical Locks & Engage Tech	8 am - 4 pm Lunch	\$35	MEETING 'B'
Tuesday	05/17/22	dormakaba Access Solutions - 6 Station Jamboree	8 am - 3 pm Lunch	\$35	BANQUET 'A/B'
Tuesday	05/17/22	How To Perform a Successful Site Survey	8 am - Noon	\$35	BANQUET 'C'
Tuesday	05/17/22	Advanced Automotive Locksmithing - <i>NEW</i>	1 pm - 5 pm	\$100	CLASSROOM 'A'
Tuesday	05/17/22	Basic Low Voltage Electricity	1 pm - 5 pm	N/C	BANQUET 'C'
Wednesday	05/18/22	Door Control: LCN Closers & VonDuprin Exits	8 am - 4 pm Lunch	\$35	MEETING 'A'
Wednesday	05/18/22	EEPROM Automotive Locking Technology - <i>NEW</i>	8 am - 4 pm Lunch	\$150	BANQUET 'A'
Wednesday	05/18/22	Master Keying - <i>Basic (1/3)</i>	8 am - 5 pm Lunch	\$75	MEETING 'B'
Wednesday	05/18/22	Advanced System Wiring	8 am - Noon	\$35	BANQUET 'C'
Wednesday	05/18/22	Electric Strike Installations	1 pm - 3 pm	N/C	BANQUET 'C'
Thursday	05/19/22	Fire Door Inspection with Jeff Carlile	8 am - Noon Lunch	\$35	MEETING 'A'
Thursday	05/19/22	Master Keying - <i>Intermediate (2/3)</i>	8 am - 5 pm Lunch	\$75	MEETING 'B'
Thursday	05/19/22	Impressioning	8 am - 4 pm Lunch	\$75	BANQUET 'C'
Thursday	05/19/22	Alarm Lock Air Access Cellular Control <i>Certification</i>	8 am - 4 pm Lunch	\$35	BANQUET 'B'
Thursday	05/19/22	Command Access Electrified Hardware	8 am - 11 am	\$35	BANQUET 'A'
Thursday	05/19/22	Ilco Key Machines and Advanced Diagnostic Devices	1 pm - 3 pm	N/C	BANQUET 'A'
Thurs/Fri	05/19 & 20	Safe Drilling and Cracking with Dave McOmie	8 am - 5 pm Lunch	\$250	CLASSROOM 'A'
Friday	05/20/22	Master Keying - <i>Advanced (3/3)</i>	8 am - 5 pm Lunch	\$75	MEETING 'B'
Friday	05/20/22	NWLA Locksmith <i>Certification</i>	8 am - 5 pm Lunch	\$75	BANQUET 'C'
Friday	05/20/22	Lock Picking	8 am - 5 pm Lunch	\$75	MEETING "A"
Friday	05/20/22	Norton Automatic Door Operators - <i>NEW</i>	8 am - Noon Lunch	\$35	BANQUET 'B'
Friday*****	05/20/22	<i>LATE ADDITION ***** Strattec Automotive Update</i>	8 am - Noon Lunch	N/C	BANQUET 'A'
Friday	05/20/22	Detex Door Alarms and Operators Training - <i>NEW</i>	1 pm - 4 pm	N/C	BANQUET 'A'

\*\*\*\*\* Initially unable to participate, Strattec is sending Vera Latus, long-time factory instructor, to present the 2022 Automotive Update.

All training sessions are held at the Tukwila Community Center 12424 42nd Ave S Tukwila, WA 98168

All full day classes include lunch. Students attending both am and pm classes on the same day are also provided a lunch. Coffee, water and light snacks provided at morning and afternoon breaks.



## MONDAY

House Cheddar Bun,  
Beef And Pork Belly  
Sliders, Texas Jo-  
Jo's, Creole Slaw,  
Vanilla Crème &  
Berries

CHERRY SPRITZER

KDL Hardware Supply

## 2022 Lunch Menus

*All of the lunches are  
prepared and served by:*

**Sumeria Catering,  
Chef Eduardo Moran**

## TUESDAY

Turkey, Ham, Beef,  
Roasted Garlic  
Aioli, Green Leaf,  
Tomato, Red Onions,  
Kettle Chips,  
Seasonal Fruit Cup

KERNS JUICE

## WEDNESDAY

Brined Chicken  
Cutlet, Wild Rice  
Pilaf, Roasted  
Vegetable Medley,  
Peanut Butter  
Mousse Cup

MOJITO-LIME  
SPRITZER

## THURSDAY

Andouille Sausage,  
Roasted Red Peppers  
and Onions, Cajun  
Aioli, Sweet Corn,  
Bread Roll,  
Shortbread Cookie

ASSORTED BEVERAGES

## FRIDAY

"Cabo Bowl"  
Adobo Beef, Cowboy  
Beans, Spanish Rice,  
Cilantro, Onions,  
Tomatillo Salsa,  
Churros

ASSORTED JARRITO  
BEVERAGES

\*Vegetarian Alternatives Available Upon Request\*

MONDAY MAY 16, 2022 AND TUESDAY MAY 17, 2022

**FUNDAMENTAL LOCKSMITH SKILLS**

**\$400 FREE PARKING**

**THIS IS A COMPREHENSIVE *TWO DAY* COURSE**

**8AM - 4PM MEETING ROOM 'A'** Includes deluxe lunch daily, light snacks & bottled water

***Instructor: GABE DE GAALON, CPL, OWNER GABES LOCK & KEY, CERTIFIED INSTRUCTOR***

Your certified instructor, Gabe De Gaalon, presents a comprehensive introduction to the basics of locksmith skills, the use of locksmith tools & industry terminology.

Students will develop the ability to:

- Identify key blanks
- Work with key machines
- Disassemble, service and rekey common cylinders
- Lock bypass - picking, impressioning, shimmying
- Lockset types - mortise, cylindrical, tubular
- Lock/Lever set functions and finishes
- Keyed deadbolt locks
- Keyless entry and deadbolt locks
- Door hardware installation basics
- Lock servicing and troubleshooting
- Introduction to master keying
- Basic door hardware
- Door hardware installation basics
- Customer service

MONDAY MAY 16, 2022

***ORIGINAL LISHI TOOLS - IN DEPTH TRAINING***

**\$150 FREE PARKING**

**WITH JUSTIN SUEDEL - AUTOMOTIVE LOCKSMITH SPECIALIST\*\***

**8AM - 4PM CLASSROOM 'A'** Includes deluxe lunch, light snacks & bottled water

In this class, we show why Lishi tools are a major game changer in the automotive field and now the residential/commercial fields, as well. We will show you all you need to be able to identify a high-quality tool vs. a knockoff. As well as how to use these tools to pick, decode, and even repair automotive locks.

Lishi tools require a knowledge of locks as well as an element of finesse in order to be successful.

Students are encouraged to bring all of their Lishi tools to class. We will provide many locks that simulate real world scenarios that you will encounter out in the field. Doing so will give us an opportunity to identify your individual issues and allow us to work together to create lasting solutions.

TUESDAY MAY 17, 2022



This ingenious six station workshop is designed and presented by DormaKaba USA NW District Distribution Development Team.

**DORMA KABA ACCESS SOLUTIONS**

**\$35 FREE PARKING**

**SIX STATION TRAINING JAMBOREE**

**BOB KARRER, DORMAKABA TRAINING SPECIALIST**

**8AM - 3PM BANQUET ROOMS 'A' & 'B'** Includes Deluxe lunch, light snacks & bottled water

This course is formatted in novel fashion with five different hands-on training stations and is intended to provide insight/knowledge on installing and maintaining Best Cylindrical locks / Mortise locks; Precision Exit devices; Stanley Commercial Hardware closers; Best Interchangeable core and our Electronic offering.

- Station ONE - *BEST core combining*
- Station TWO - *Cylindrical & mortise locks*
- Station THREE - *Exit devices & door closers*
- Station FOUR - *Access control*
- Station FIVE - *Lockdown solutions*
- Station SIX - *The value of Dorma Kaba Certification*



TUESDAY MAY 17, 2022

**INTRODUCTORY AUTOMOTIVE LOCKSMITH TRAINING** **\$100 FREE PARKING**  
**WITH JUSTIN SUEDEL - AUTOMOTIVE LOCKSMITH SPECIALIST**

**8AM - NOON CLASSROOM 'A'** Includes lunch w/ADV pm class, light snacks & bottled water

This is an automotive locksmithing introductory class. We will teach you how to originate a key from scratch that will work for the door/trunk/ignition of many YMM's on the road today. This is an opportunity to learn about what it takes to become a skilled automotive locksmith. We teach you how to originate automotive keys, cut to code, without the need of code broker or NASTF account. Justin will share many little-known trade secrets that will put you ahead of the curve and ahead of your competition.

This class is taught by a successful automotive locksmithing team and we are not interested in selling any specific products or brands. We will only show you what we use, explain why we use it, and leave it to you to choose what you may prefer. We utilize the newest tools and cutting-edge technology available from all over the globe in order to provide the best experience for the customer. If we can get a job done faster, more efficiently, or supply a better-quality key, we adapt our system to include the new format.

**ADVANCED AUTOMOTIVE LOCKSMITH TRAINING** **\$100 FREE PARKING**  
**WITH JUSTIN SUEDEL - AUTOMOTIVE LOCKSMITH SPECIALIST**

**1PM - 5PM CLASSROOM 'A'** Includes light snacks & bottled water

This is a class geared towards locksmiths that are already familiar with key origination on basic models Toyota/Lexus/Honda/Ford/Chrysler etc. We will show you what it takes to be a successful advanced automotive locksmith. This class includes information how to duplicate and originate remote and proximity keys for BMW/Land Rover/Jaguar/Mercedes/SAAB/Audi/Volkswagen/Porsche etc. Many of these vehicles are turned down every day with a false "dealer only" excuse given to the customer. The content shared in this class may eliminate those lucrative jobs from falling through your fingers. When attempting these more advanced jobs, your best resource material will be your support network of highly skilled locksmiths. Many times, you will be faced with an insurmountable problem. If you are on your own, you will fail. If you have successful locksmiths on your team, your chance of success in this field will grow exponentially. There are no cheap solutions on this level of locksmithing. Tools that we utilize in our success as an automotive locksmith enterprise are expensive and they can overlap in capability. We encourage you to take this opportunity to learn which tools are essential for success in the field.

WEDNESDAY MAY 18, 2022

**EEPROM AUTOMOTIVE LOCKING TECHNOLOGY** **\$150 FREE PARKING**  
**WITH JUSTIN SUEDEL - AUTOMOTIVE LOCKSMITH SPECIALIST**

**8AM - 4PM BANQUET ROOM 'A'** Includes deluxe box lunch, light snacks & bottled water

This EEPROM class is taught by a successful advanced locksmithing team. We will show you what EEPROM techniques can mean for the skilled automotive locksmith and how they can open new solutions to difficult problems commonly found while out in the field. We will show valuable tricks and tips that will aid you in reading EEPROM device data in circuit and out of circuit. We will have a hands-on soldering station going during the class to give everyone an opportunity to gain soldering experience.

EEPROM is a versatile skill, that when implemented properly, can repair many styles of proximity or smart keys, adapt used modules to repair a vehicle, and obtain immobilizer data that can be used to originate keys when used in conjunction with the proper software and hardware.

The five classes listed below are generously provided by our Pacific Northwest Door Security Solutions (ASSA ABLOY) Team

TUESDAY MAY 17, 2022

TUESDAY AND WEDNESDAY CLASSES FEATURE ASSA ABLOY FACTORY TRAINED INSTRUCTOR **RUSS ANDERSON, CPL, PRODUCT SPECIALIST**

**CONDUCTING A SUCCESSFUL SITE SURVEY**

**\$35 FREE PARKING**

**8AM - NOON BANQUET ROOM 'C'** Includes deluxe lunch, light snacks & bottled water

- The purpose of locking systems
- Walk through techniques
- Types of electronic locking systems
- Electronic locking system component selection
- Brackets & accessories
- System layout
- Hardware schedule forms
- Tips , troubleshooting techniques, common errors

**BASIC LOW VOLTAGE ELECTRICITY**

**NO CHARGE TRAINING**

**FREE PARKING**

**1PM - 5PM BANQUET ROOM 'C'** Includes light snacks & bottled water

This afternoon session is designed to educate students in the basic knowledge needed to wire an electronic locking system. The class includes a balance of instructional and hands-on exercises.

- Key figures in electricity
- Voltage, current, resistance
- Electronic circuits
- Switches and relays
- AC & DC electricity
- Fail safe/fail secure lock wiring
- Electronic components
- Use of multimeters

WEDNESDAY MAY 18, 2022

**ADVANCED SYSTEM WIRING**

**\$35 FREE PARKING**

**8AM - NOON BANQUET ROOM 'C'** Includes deluxe lunch, light snacks & bottled water

This course is designed to educate students with a basic electronic knowledge and use of a multimeter. This course focuses on advanced access control system wiring, installations & product troubleshooting. Instructional and hands-on exercises cover these subjects:

- Creating wiring diagrams
- Fire alarm interface
- Fail safe/secure lock system wiring
- Power supply troubleshooting
- Mag Lock & electric strike troubleshooting
- Digital Keypad troubleshooting
- Touch-sense bar troubleshooting
- Basic access control systems troubleshooting

**ELECTRIC STRIKE INSTALLATIONS**

**NO CHARGE TRAINING**

**FREE PARKING**

**1PM - 3PM BANQUET ROOM 'C'** Includes light snacks & bottled water

Participants will be shown the easiest techniques for cutting & installing an electric strike into a hollow metal door frame. Cutting tool selection and use of the HES metal template kit are demonstrated. Students will be allowed to individually measure and cut in a strike. Instructional & hands-on exercises examine:

- Frame and door types
- Installation techniques
- Safety
- Electric strike applications
- Electric strike selection
- Fail safe to fail secure conversions
- Hands-on installation of electric strikes
- 12 volt to 24 volt conversion

FRIDAY MAY 20, 2022

**NORTON AUTOMATIC DOOR OPERATORS**

**\$35**

**FREE PARKING**

**8AM - NOON BANQUET ROOM 'B'** Includes deluxe lunch, light snacks & bottled water

**DAN ALLEN, NWSSC PRODUCT TRAINER**

Get solutions to commercial door control problems, from ADA compliance to heavy duty usage, that once didn't have an answer. Low energy door operators allow for automatic and manual door opening and door closing, [electromechanical operators](#) are used where automatic activation is needed, and [electrohydraulic operators](#) incorporate a door closer with optional automatic operation. In this session you will learn about Norton's low energy door operator offering, applications and their basic programming principles.



The three classes listed below are created and provided by our Northwest Allegion Security Safety Consultants

TUESDAY MAY 17, 2022

**SCHLAGE ND AND ALX CYLINDRICAL LOCKS AND ENGAGE TECHNOLOGY TRAINING**

**\$35 FREE PARKING**

**8AM - 4PM MEETING ROOM 'B'** Includes deluxe lunch, light snacks & bottled water

**SCOTT JONES, ALLEGION TRAINING SPECIALIST**

**Comprehensive, hands-on training covering the features, design and operation of the Schlage**

- Lock functions and their typical applications
- Electrified and electronic ND Series functions/features
- Assembly of classroom, storeroom, entry/office, vestibule and classroom security functions
- Installation procedures
- Maintenance, troubleshooting and servicing tips

**Engage Technology**

With the ENGAGE cloud based web and mobile apps, it's easy to **configure lock settings**, manage users with basic access privileges, and view lock audits from virtually anywhere. When paired with Schlage Control™ Smart Locks, updates to basic access privileges can be sent at the lock with the ENGAGE mobile app.

WEDNESDAY MAY 18, 2022

**LCN DOOR CLOSERS and VONDUPRIN EXIT DEVICES**

**\$35 FREE PARKING**

**8AM - 4PM MEETING ROOM 'A'** Includes deluxe lunch, light snacks & bottled water

**SCOTT JONES, ALLEGION TRAINING SPECIALIST**

**LCN Door Closers In Depth:** Many details need to be considered when selecting the correct closer for any opening: Fire life safety codes, security, smooth operation, heating and air conditioning costs to name a few. This in depth class will enable you to identify field adjustments on closers, differentiate between different closer arms, mounting options and security features so you can select the correct closer for door openings. Also discussed are electronic closers/holders, magnetic holders, overhead holders and door coordinators. We will learn to fine tune the speed and power settings on LCN closers. **Students will examine the LCN 6400 Compact Automatic** low-energy operator, a simple and cost-effective solution that enables facilities to automate more openings for touchless access and accessible operation. The electrified module connects with a mounting plate and just four screws and drives open the an existing 4040XP mechanical door closer. The simplicity of this solution reduces the cost, labor and complexity required to automate an opening.

**Mechanical and Electrified Exit Devices - VonDuprin 98/99 Series exit hardware workshop.**

- Exit device terminology/VonDuprin nomenclature
- Essential components of an exit device
- Outside trim options

THURSDAY MAY 19, 2022

**FIRE DOOR INSPECTION**

**\$35 FREE PARKING**

**8AM - NOON MEETING ROOM 'A'** Includes deluxe lunch, light snacks & bottled water

**JEFF CARLILE, ALLEGION TRAINING SPECIALIST**

This course will provide an introduction of the basic fire door inspection requirements within NFPA 80. Focusing on fire doors and their corresponding fire door hardware, this class will assist participants with understanding the fire door inspection checklist. **Topics include:**

- Describe the requirements to inspect fire doors as defined by NFPA 80.
- Identify what a Fire Door Assembly is, its purpose, the components of a Fire Door Assembly, and the purpose those components serve.
- Explain the importance of maintaining and inspecting fire doors.
- Using content from NFPA 80, cite the required items the standard says should be verified on swinging fire doors with builder's hardware.
- List some possible ways in which to correct common code violations.

WEDNESDAY MAY 18, 2022

**MASTER KEYING - BASIC**

**\$75 FREE PARKING**

*DAY 1 OF POSSIBLE 3 DEPENDING ON ONE'S SKILL LEVEL*

**8AM - 5PM MEETING ROOM 'B'** Includes deluxe lunch, light snacks & bottled water

**Ralph Forrest-Ball, ALOA ACE Instructor, CAL, CML,**

***PLEASE NOTE: STUDENTS SHOULD BRING TWEEZERS AND A MAGNIFYING VISOR***

This is a hands-on class for students who have not taken the Locksmith Fundamentals training or have little or zero experience with master key systems. It is geared for beginners. We start with a review of how the cylinders for single keys are pinned, cover the mechanics of cutting keys by code and pinning a cylinder to work with two different keys. Students will also learn:

- The pros & cons of master keying
- Detect common errors
- How to read master key systems created by other locksmiths
- How to keep good reliable systems records

THURSDAY MAY 19, 2022

**MASTER KEYING - INTERMEDIATE**

**\$75 FREE PARKING**

*DAY 2 OF POSSIBLE 3 DEPENDING ON SKILL LEVEL*

**8AM - 5PM MEETING ROOM 'B'** Includes deluxe lunch, light snacks & bottled water

**RALPH FORREST-BALL, ALOA ACE Instructor, CAL, CML**

***PLEASE NOTE: STUDENTS SHOULD BRING TWEEZERS & A MAGNIFYING VISOR***

This class is designed for students who have some hands-on experience master keying locks and have passed either Basic Master Keying or Fundamentals of Locksmith skills. It assumes that you now know how master keying works but you want to learn how to design your own master key systems while avoiding the common mistakes and remaining out of trouble. **Topics include:**

- Methods of Master Keying
- Using incidental master keys
- Progressing a KBA
- Avoiding key interchange
- Designing a system
- How to keep proper records of master key systems
- Key symbols
- ***This class is activity-based and is presented with an emphasis on industry standards.***

FRIDAY MAY 20, 2022

**MASTER KEYING - ADVANCED SKILL LEVEL**

**\$75 FREE PARKING**

**8AM - 5PM MEETING ROOM 'B'** Includes deluxe lunch, light snacks & bottled water

**RALPH FORREST-BALL, ALOA ACE INSTRUCTOR, CAL, CML,**

***PLEASE NOTE: STUDENTS SHOULD BRING TWEEZERS & A MAGNIFYING VISOR***

This class is for students who have completed the Intermediate Master Keying training and know how to create a master key system but want to learn more methods and advanced techniques. We begin with a review of master keying methods and the mechanics of master keying, then move on to:

- Advanced key symbols
- Positional master keying
- Special problems that arise
- Cross keying
- Decoding an existing system
- from specific, high locks such as
- Selective master key systems
- Expanding exhausted systems
- Medeco and other factories



THURSDAY MAY 19, 2022 AND FRIDAY MAY 20, 2022

**SAFE CRACKING WITH DAVE MCOMIE**

**\$250**

**FREE PARKING**

**THIS IS A COMPREHENSIVE *TWO DAY* COURSE**

**Instructor: DAVE McOMIE, CRL, CML, CST, ALOA ACE INSTRUCTOR**

**8AM - 5PM CLASSROOM 'A'** Includes deluxe box lunch, light snacks & bottled water

There will be a morning lecture each day that focuses on preparation, planning, tool techniques & resources. In the afternoon, students will form work groups and experience safe drilling & penetration as a hands-on opportunity. Each student will learn to devise a plan for method of safe penetration and then execute that plan. Each student will have time to take notes and take photographs of penetration progress.

**Discussion topics & hands-on opportunities:**

- Dial removal
- Drilling at the fence
- Drilling a scope hole
- Scoping the change keyhole
- Punching the lock bolt
- Punching the door bolts
- Drilling the lever screw
- Punching the handle cam
- Bouncing electronic safes open
- Troubleshooting
- And much, much more!
- Dave will bring an assortment of scopes for sale

***PLEASE NOTE* : Bring your own tools!**

**There will be absolutely no loaner tools!**

THURSDAY MAY 19, 2022

**IMPRESSIONING**

**\$75**

**FREE PARKING**

**8AM - 4PM BANQUET ROOM 'C'** Includes deluxe box lunch, light snacks & bottled water

**CHARITY CRAFT, KDL CSR, LOCKSMITH**

Impressioning is a useful, convenient and cost effective skill for any locksmith to learn. Unlike picking, to impression is more than just opening the lock, it makes a key for the lock. It allows you to make a key to a car door lock without removing and disassembling the lock. Impressioning can often be done in a fraction of the time that it takes to accomplish the same goal as conventional key making. For this reason, impressioning is an invaluable key making procedure and a very useful locksmith skill. This hands-on class will cover filing a key by hand to wafer tumbler and pin tumbler locks. Approaching the subject in this way, we can cover the necessary material to give the locksmith a complete understanding of the fundamental skills involved in the art of impressioning. The purpose is to introduce those individuals that take this class to the basic concepts involved in this type of key making. Topics covered will be proper blank identification, blank preparation, mark recognition and proper impressioning procedures. Combined, these concepts form the basis for the theory behind the process that is impressioning.

Swiss files, magnifying visors and standard impressioning tool/vise grips will be available for use during class. Students are free to bring their own tools.

***ATTENTION* - Due to the content of the instruction provided in this class, students must present proof that they are employed by a retail locksmith or the lock shop of a commercial/industrial facility.**

THURSDAY MAY 19, 2022

**COMMAND ACCESS ELECTRIFIED HARDWARE****\$35 FREE PARKING****8AM - 11AM BANQUET ROOM 'A'** Includes deluxe box lunch, light snacks & bottled water**TJ ELSTON, RENZ & ASPAAS AGENCY PRODUCT TRAINING SPECIALIST**

- Electrify openings, transfer via door loops & hinges
- Connect loads to power supplies
- Electric meters, Molex solutions & building circuits
- Transform existing mechanical opening to access control
- Electrified options for mortise & cylindrical locks
- Add switches/low power emitting devices for fail-safe locks
- Field-install exit device latch pullback kits
- Leverage existing hardware to better your Competitive bidding options

**ILCO KEY MACHINES****NO CHARGE TRAINING****FREE PARKING****& ADVANCED DIAGNOSTICS DEVICES****1PM - 3PM BANQUET ROOM 'A'****TJ ELSTON, RENZ & ASPAAS AGENCY** Includes light snacks & bottled water

- New Smart Pro review
- Futura Pro - the latest in key cutting technology
- RW4 PLUS - latest transponder keys & cloning capabilities
- Smart4Car demonstration and presentation
- Hands-on programming demonstrations
- Customer equipment review and discussion
- Programming Software - review through hands-on exercises
- Information packets with current reference material will be handed out to all students

***TJ would like all participants to bring their  
ADVANCED DIAGNOSTICS equipment to this session***

**ALARM LOCK AIR ACCESS - CELLULAR ACCESS CONTROL****\$35 FREE PARKING****This is a locksmith CERTIFICATION course****8AM - 4PM BANQUET ROOM 'B'** Includes deluxe box lunch, light snacks & bottled water**INSTRUCTOR: ANDY PHELPS, ALARM LOCK NATIONAL EDUCATION MANAGER**

This course will introduce the locksmith to revolutionary cellular network access control. Air Access utilizes cloud-based software with real-time reporting of events and enterprise style software and is ACaaS (Access Control as a service). This ACaaS allows for RMR (recurring monthly revenue).

Students will be taught how to set up an Air Access cellular radio for the customer via the NAPCO Comnet website. The Air Access web-based software will be covered including gateway enrollment, lock discovery and expander discovery. The elements of the software will be examined, including but not limited to Personnel, Access Groups, Schedules and Holidays. The Air Access phone app will also be introduced, which includes mobile credentials.

We will dive deep into the Air Access software and define the differences between it and the NetworX DL Windows software.

***A test at the end of the instruction session will determine CERTIFICATION***

***Students are strongly encouraged to bring a laptop with internet access.***

**NWLA LOCKSMITH CERTIFICATION****\$75 FREE PARKING****8AM - 4/5PM BANQUET ROOM 'C'** Includes hot lunch, light snacks & bottled water**Instructor: TBD****AM: Instructor will work with the students to prepare for afternoon testing****PM: Testing. End time of this session depends upon how quickly the testing progresses**

The Northwest Locksmith's Association certification session is a test of basic locksmith skills: master keying, life safety, and general locksmith knowledge. The test is administered in two parts - one is hands-on and one part is given in written form. In the hands-on portion of the testing you will need to successfully disassemble and reassemble locks. For the written segment you need to know terminology and basic calculating factors of general locksmithing. Upon passing the test you are issued a NWLA certificate. A certification plaque is awarded once you become a member of the Northwest Locksmith's Association.

**LOCK PICKING****\$75 FREE PARKING****8AM - 5PM MEETING ROOM 'A'** Includes hot lunch, light snacks & bottled water**WITH BJORN MADSEN, OWNER MAPLE LEAF LOCKSMITH**

For an experienced technician, picking is the fastest and least destructive method of opening a lock. The objective of this class is to teach students to pick almost any pin or wafer lock. Students will perform hands-on exercises to improve their proficiency in manipulating the components of a variety of locking mechanisms to unlock them without damaging the lock. Feel picking, pick gunning and bumping will be examined. Upon completion of the class, enrollees of this course will be able to recognize the type of locks that can be picked & select the best method/technique to apply per lock opening.

***Students: Bring hook, rake, ball picks and tension wrenches in varying sizes.***

***ATTENTION - Due to the content of the instruction provided in this class, students must present proof that they are employed by a retail locksmith or the lock shop of a commercial/industrial facility.***

**2022 STRATTEC AUTOMOTIVE UPDATE****\$35 FREE PARKING****8AM - NOON BANQUET ROOM 'A'** Includes hot lunch, light snacks & bottled water**WITH VERA LATUS, FACTORY TRAINED INSTRUCTOR**

- Class will bring attendees up to date on vehicle platforms that STRATTEC services including GM, Ford, and Chrysler
- Students will have the opportunity to pin high security locks from GM or Ford
- Technology changes regarding locks and pins will be covered, including current and trends
- One will be updated specifically on what STRATTEC services for 2022
- Foreign key blank technology, software, locksmith websites, tools and online Strattec resources will be examined.

**DETEX EXIT DEVICES & ALARMS AND AUTOMATED DOOR OPERATORS****NO CHARGE TRAINING****FREE PARKING****1PM - 4PM BANQUET ROOM 'A'****W/ JOY SKOWRON, A NORTHWEST FAVORITE PRODUCT TRAINER**

Durable, easy to install & easy on the eyes, Detex offers a wide range of life safety and security hardware products that keep people & property safe. Detex exit devices and door alarms are innovative & technologically advanced.

The AO19 series Automatic Operator for single doors is an easy to install, heavy-duty product for high-use, high-abuse low energy applications. AO19 operator meets ANSI/BHMA A156.19 (American National Standard for Power and Low Energy Power Operated Doors.

- Requirements, troubleshooting, programming and installing exit devices
- Is other equipment needed such as electrified panic hardware, wireless push-buttons, etc
- Advantex, Value Series, EAX products applications
- When and where to specify an automatic door operator

- How to install and make final adjustments
- Simple integration to existing systems
- Easy to learn
- Easy to install

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Not responsible for typographical errors.

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In the event that COVID19 remains a relevant issue, the classrooms at the Tukwila Community Center will comply with CDC guidelines so students are socially distanced from one another. The training spaces that KDL Hardware will utilize are sufficiently sized to provide for socially distanced seating/standing during training. Deluxe lunches may be prepared in a "take out" mode or as a sit-down meal as Tukwila City Guidelines allow. The Community Center is spacious and allows for ample seating for meals, breaks & training sessions.

***\*Please note:***

***Class sizes may be limited due to social distancing. Register soon to be enrolled before the maximum class capacity is achieved.***