

Supplement to Locksmith Ledger International
May 2013

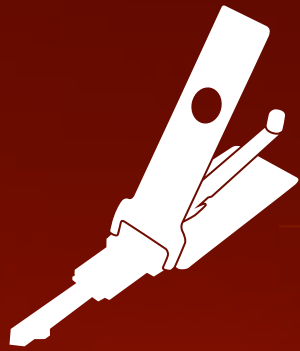
Automotive **LOCKSMITHING** 2013



**2013 Automotive Update:
Latest Keys, Tools & Techniques**

**Lock Decoding Made Easy With
Lishi's Newest Tools**

**Programming Keys for 2007 Dodge
Ram Pickup With the TKO Device**



**GENUINE LISHI
TRAINING KIT
EXCLUSIVELY
SOLD BY US,
FOR ONLY \$150.**

**DELIVERING
MORE FOR LESS.**

hlf H.L. FLAKE
SECURITY HARDWARE

**THE LOCKSMITH'S
DISTRIBUTORSMITH**

LISHI TRAINING KIT

Consists of a 255 page High Quality Hard Back Book. Including over 100 pages of Tutorial How To Guides, written by Martin Pink, then all of the Tony Audsley Lock Guides and finally a section of key identification by Jim Hetchler. Added to the kit is a Training DVD with animations of how the picks work.



Access Control Automotive Hardware Padlocks Tools Nice People

800.231.4105 hlflake.com

For FREE info, visit www.locksmithledger.com/magazine & click on e-inquiry 360



CONTENTS

S4 2013 Automotive Update

Our guide features the latest tools, keys, remotes, techniques and equipment for today's automotive locksmith.

S10 Lock Decoding Made Easy

Two new tools from Lishi include a 2-in-1 pick set and a "Direct Read" decoder for certain sidebar ignitions used by GM.

S16 Programming Dodge Ram Keys

When a 2007 Dodge Ram's key could not be cloned, we used an Ilco TKO programming tool to program an additional transponder key. The dealer was able to provide the customer with the PIN.

S22 STRATTEC's Competitive Edge

STRATTEC's worldwide quality certification ensures locksmith customers that STRATTEC products meet the highest standards. Are our competitor's keys cheaper? Yes. Are their keys better? No.

Advertiser Index

| Company Name | RS# | Page# | Web Site URL | Tel# |
|-------------------------|-----|-------|---------------------------------|----------------|
| ASP | 366 | S19 | www.carlocks.com | (425) 556-1900 |
| Bianchi USA, Inc. | 368 | S23 | www.bianchi1770usa.com | (800) 891-2118 |
| Clark Security Products | 369 | S24 | www.clarksecurity.com | (800) 542-5625 |
| Framon Mfg. Co. Inc. | 365 | S17 | www.framon.com | (989) 354-5623 |
| Herbert L Flake | 360 | S2 | www.hlflake.com | (800) 231-4105 |
| Jet Hardware Mfg. Corp. | 361 | S7 | www.jetkeys.com | (718) 257-9600 |
| JMA USA Inc. | 364 | S15 | www.jmausa.com | (817) 385-0515 |
| Kaba Ilco (RM) | 363 | S13 | www.kaba-ilco.com | (800) 334-1381 |
| Steck Manufacturing | 367 | S20 | www.steckmfg.com | (800) 227-8325 |
| STRATTEC Security Corp. | 362 | S9 | http://aftermarket.strattec.com | (414) 247-3333 |

THE TECHNICAL RESOURCE FOR THE PHYSICAL & ELECTRONIC SECURITY SPECIALIST

LOCKSMITH LEDGER International

Published by Cygnus Business Media, Inc.
Phone: 800-547-7377 • Fax: 631-845-2736

3030 Salt Creek Lane, Suite 200, Arlington Heights, Illinois 60005
Phone: 847-454-2702 • Fax: 847-454-2759

12735 Morris Road, Deerfield Point, Bldg. 200, Suite 180
Alpharetta, Georgia 30004
Phone: 800-547-7377

EDITORIAL

Editor-in-Chief Gale Johnson
847-454-2703
gale.johnson@cygnus.com
Fax: 847-454-2759

Managing Editor Emily Pike
emily.pike@cygnus.com

Technology Editor Jerry Levine
jlevine@sbcglobal.net

Contributing Editors

Tom Gillespie, CML • Steve Kaufman • Bill Neff, CML • Tim O'Leary
• Tony Fiorini, CRL • Jeremy Reeder

SALES

Publisher Nancy Levenson-Brokamp
nancy.brokamp@cygnus.com

Sales Representative Ryan Olson
847-454-2719
ryan.olson@cygnus.com

Sales Representative Erica Finger
920-568-8324
erica.finger@cygnus.com

Brand Director Scott Bieda
scott.bieda@cygnus.com

SALES OFFICES

Nancy Levenson-Brokamp
3030 Salt Creek Lane, Suite 200
Arlington Heights, IL 60005
Phone: 847-454-2702 • Fax: 847-454-2759

PACIFIC ASIA

Young Media Inc. - Young J. Beak
407 Jinyang Sangga, Chungmoro 4 ga, Jung-ku, Seoul, Korea 100-713
82 2 2273 4819 • Fax: 82 2 2273 4866 • ymedia@chol.com

Subscription/Book Toll-Free (888) 556-2272

Customer Service Local (847) 562-1603
Circ.locksmithledger@omeda.com

Classifieds & Marketplace Erica Finger
800-547-7377 Ext. 1324
Fax: 920-563-1699
erica.finger@cygnus.com

Reprints Nick Iademarco
Wright's Media
1-877-652-5295 x102
niademarco@wrightsmedia.com

Art Director Kayla White
kayla.white@cygnus.com

Production Manager Jane Pothlanski
631-963-6296
jane.pothlanski@cygnus.com

Audience Development Manager Angela Kelty
800-547-7377 ext. 1781

CYGNUS BUSINESS MEDIA

CEO John French
CFO Paul Bonaiuto
VP, Human Resources Ed Wood
VP, Audience Development Julie Nachtigal

CYGNUS PUBLISHING

VP Production Operations Curt Pordes
Brand Director Scott Bieda

LIST RENTALS

Account Executive Elizabeth Jackson
Merit Direct LLC
847-492-1350 ext. 18
ejackson@meritdirect.com

2013 Automotive Update

Our guide features the newest tools, keys, remotes, techniques and equipment for the progressive automotive locksmith

BY JERRY LEVINE

Automotive locksmithing is constantly growing, requiring the latest tools, knowledge and servicing methods for new vehicles. It requires a significant effort by locksmiths who are taking the time to learn and purchase new equipment, locks and keys in order to service the vehicle owning customers.

When you read about the new aftermarket keys, remotes, fobs, software and tools, a significant amount of effort has been made to develop ways that locksmiths can now service the previously unserviceable vehicles.

NEW HATA KEY BLANKS

HATA has introduced a number of new remote head key blanks and fobs for Ford, Infiniti, Kia, Mazda, Mitsubishi, Nissan, Subaru and Toyota. Previously, the remote head key blanks and fobs were only available from the dealer. They include:

- HAT-7986: Ford Fusion 2013 4 Button Flip Key Laser Cut (L,UL,T,P)
- HAT-3790: Ford Focus 2013 Pushbutton Start Fob (L,UL,T,RS,P)
- HAT-5332: Infiniti Jx35 4 Button

- Fob and E-Key (L,UL,LG,P)
- HAT-5335: Infiniti Jx35 5 B Fob and E-Key W/Remote Start (L,UL,LG,RS,P)
- HAT-2100: Kia Optima Pushbutton Start Fob and E-Key
- HAT-3700: Kia Sportage 3 Button Laser Flip Key 2012-2013
- HAT-1675: Mazda 3 2013 Push Button Start Fob and E-Key
- HAT-7477: Mitsubishi Lancer 2013 4 Button Remote Head Key (L,UL,T,P)
- HAT-2533: Nissan Altima 2013 4 Button Prox & E-Key (L,UL,T,P)
- HAT-2535: Nissan Altima 2013 5 Button Prox & E-Key (L,UL,T,RS,P)
- HAT-5334: Nissan Pathfinder 2013 Prox & E-Key (L,UL,P)
- HAT-1148: Subaru Outlander 3 Button Remote Head Key
- HAT-7316: Subaru Outlander 3 Button Fob and E-Key F/Pushbutton Start
- HAT-9710: Subaru Legacy Sedan 2012-Up 4 Button Remote Head Key
- HAT-6420: Toyota Camry 2012 4-Button Remote Head "G" (L,UL,T,P)
- HAT-2620: Toyota Corolla 2011-Up Remote Head Key

Ilco EH3LB "less battery" clonable head



- HAT-2860: Toyota Yaris 3 Button Remote Head Key

ILCO GOES "LESS BATTERY"

Kaba Ilco Corp. has introduced the EH3LB "less battery" clonable head for their modular cloning program. The EH3LB replaces two of the current modular key heads, EH3 (Texas Instruments Fixed and Encrypted) and EH3P (Philips Crypto).

More than 20 blades are available for the EH3,



STRATTEC Ford fobs

EH3P and the EH3LB head. The Ilco Disassembly Tool will remove the EH3LB heads. The EH3 and the EH3P heads will continue to be available.

In order to clone automotive keys using the new EH3LB heads, a free software update is required for the RW4 Plus, Ilco EZ Clone Plus, or *Plus Box with software version 03.03.061 or higher.

For more information, contact your local locksmith distributor or Kaba Ilco Corp., www.kaba-ilco.com.

ADVANCED DIAGNOSTICS SOFTWARE

Advanced Diagnostics has four new software releases for the T-Code Pro and MVP-Pro programming devices. The new software is for specific 2013 Dodge, 2013 Honda/Acura, 2012 Hyundai/Kia and 2013 Nissan/Infiniti models, as listed below.

ADS195 will program Dodge 2013 proximity/Fobik key & remotes or the new 2013, Dodge Dart and Ram vehicles with proximity and Fobik keys. Remote programming is supported when programmed during the key programming sequence. Although the new vehicles may look very similar to previous Chrysler and Dodge vehicles, the software needed to program Dodge Dart and Ram keys is totally new. For the ADS195 to work, you will need ADS113, AD156 and AD-173 software. *Note: Ram proximity will require a virgin proximity key.*

ADS193 software will program proximity keys for the Honda Accord 2013 proximity, Acura ILX 2013 proximity, Acura RDX 2013 proximity, Acura RL 2005 - 2012 proximity, Acura TLI 2009 - 2012 proximity and the Acura ZDX 2010 - 2012 proximity.

ADS196 software will program proximity and basic keys for the bladed keys for the Kia Rio 2012 onwards and proximity keys for Hyundai Elantra 2011 onwards,



Advanced Diagnostics software will program Dodge 2013 proximity/Fobik key & remotes

Hyundai Santa Fe 2012 onwards and the Hyundai Veloster 2012 onwards. Pin codes can be obtained via the online AD Pin Code Service, dealership or NASTF.

ADS197 software will program Nissan/Infiniti 2013 proximity key & remotes for vehicles with proximity keys. Remote programming is sup-

ported when programmed during the key programming sequence. The ADS197 will support proximity keys for the Nissan Altima 2013, Nissan Pathfinder 2013 & Infiniti JX35 2013. A 20-digit PIN is required, which can be obtained from Nissan dealerships and via NASTF.

More Info: contact your local locksmith distributor or Advanced Diagnostics www.adusa.us.

STRATTEC UPDATE

STRATTEC's new automotive products include a locking mechanism,

code series and key for the 2014 Chevrolet Silverado and the GMC Sierra pickups. These pickups come with a plastic head key and a separate remote. The key is equipped with a transponder. This new key has 10 spaces. Like the GM "Z" key, no one lock contains 10 tumblers.

Tumbler positions are:

- Ignition lock: 1-7
- Driver's door lock: 4-10
- Passenger door: 4-10
- Endgate (Tailgate) lock: 5-10
- Stowage lock: 6-10
- Tire lock: 6-10

The driver's door lock is free-wheeling to prevent forced rotation. The driver's door lock and the passenger's door lock are not interchangeable. This lock mechanism is using a new code series and key.

Specific models of the 2013 Ford Escape are available with Intelligent Access with push-button start. These vehicles are equipped with a



Advanced Diagnostics Dodge Dart remote, back side



STRATTEC adds keys for 2014 Chevrolet Silverado



STRATTEC 5923267 flip key

mechanical override lock in the driver's door handle assembly for emergency entry.

The key code series is 11,501-13,000. This high security, seven-tumbler lock is operated by a two-track key emergency key that fits into the fob.

The STRATTEC part number for the emergency key is 5923267. The STRATTEC part number for the four-button Gen 2 PEPS Fob is 5921285, and the part number for the five-button fob is 5921286.

Spacing

- 1- .720" 2- .630"
- 3- .539" 4- .449"
- 5- .358" 6- .268"
- 7- .177"

Spacing is .0905" Cut-to-Cut
Depths:

- 1- .177" 2- .154"
- 3- .130" 4- .106"
- 5- .083"

Increment is .0235"

With the introduction of the 2010 Chevrolet Camaro, General Motors began using the two-track side

milled lock mechanism that has eight cuts and four depths packaged into the "Flip Key" remote. Since then, every General Motors division has incorporated the high security lock mechanism and the "Flip Key" remote including Buick, Cadillac, Chevrolet and GMC. This lock mechanism has been included in compacts to luxury models and has even expanded to the 2013 Saab 9.4X.

"Flip Key" remotes are available with three, four or five buttons depending upon the vehicle's equipment. Keyless access remotes are different from keyed access remotes. They are not interchangeable. Each keyless vehicle can have up to five remotes.

Note: STRATTEC includes hands-on keying of these side milled locks in the classes offered at locksmith distributors and ALOA. Participants get to keep the assembled locks.

More Info: Contact your local locksmith distributor or STRATTEC, aftermarket.strattec.com.

HATA FOB NOTES

The two Fords are not interchangeable with any existing products. For example, you can't use the 2012 Ford Fusion laser cut remote head key for the new laser cut flip key.

Although the 2013 HAT3790 looks just like the 2012 HAT1286, they are

on different frequency and are not interchangeable. The 2012 version uses the old Ford 0001X-1706X key code series. The new 2013 version uses the new Fiesta style codes 10001-11500. These codes are used when cutting the E-key. The 2012 version uses a double-sided-key and the new 2013 e-key is a laser cut key.

The old style e-key for the HAT1286 is the HAT2345 and the laser cut E-key is HAT3267.

More Info: Contact your local locksmith distributor or Hata Inc., www.hatainc.com.

2014 HYUNDAI EQUUS

The 2014 Hyundai Equus models sold in North America are using a new code series and key for the emergency override lock. The code series is I0001-12608. The first letter is an "I", not a one.

Spacing is four on one side and three on the other. The cuts are staggered across the key blade.

- 1- .622"
- 2- .457"
- 3- .291"
- 4- .126"
- 5- .539"
- 6- .374"
- 7- .209"

The first four cuts are on one side of the key (1-4). Cuts 5-7 are on the other side of the key. We changed this to simplify key origination.

Spacing is .1653" Cut-to-Cut

2014 Hyundai Equus



Want the latest in cloning technology but not the up-front costs?

iClone
as low as
\$60
a month*



HS2000
as low as
\$46
a month*



NSG MACH II
as low as
\$60
a month*

Great Financing Deals Now Available

**Cover your payments & make a profit
on cutting less than 5 keys a month!**

Visit jetkeys.com or Call Toll Free 855-COOL-KEY



* Payments based on 60-month financing agreement, shorter financing terms also available. \$1.00 end-of-finance buy-out option. 2 months down payment required.

For FREE info, visit www.locksmithledger.com/magazine & click on e-inquiry 361



KIHY100Kit



BM100Kit



TR100Kit



VL100Kit

Bianchi clonable fob kits

Depths

- 5- .128"
- 4- .108"
- 3- .089"
- 2- .069"
- 1- .049"

Increment is .0196"

In other parts of the world, the Hyundai Centennial (Equus) was introduced as a 2013 model.

BIANCHI KITS

Bianchi has introduced a number of "Kits" designed to operate pushbutton start (proximity) vehicles. These kits are available for BMW, Volvo, Toyota, Kia and Hyundai models. All kits use the TK100 technology, the battery-less clonable key and fob designed to operate with Bianchi 884 Cloning Tool. Both the fob and key are reprogrammable up to 10 times.

For example, the BM100KIT BMW Clonable Fob Kit includes a universal fob head for BMW Smart Key Systems with pushbutton start and the BM22P High Security Emergency Key.

BM100KIT Applications are:

- 1 Series: 2007-2010
- 3 Series: 2005-2011
- 5 Series: 2004-2010
- 6 Series: 2004-2010
- 745i: 2006-2008
- X5: 2007-2011

Volvo Clonable Fob Kit VL100KIT applications are:

- V70: 2008-2011
- XC70: 2008-2011
- S80: 2008-2011

The Volvo kit includes a VL100 fob, the VL22P key blank and a practical key ring.

Kia/Hyundai Clonable Fob Kit KIHY100KIT applications are:

- Borrego: 2009-2011
- Forte: 2011-2013
- Optima: 2010-2012
- Sorento: 2011-2012
- Soul: 2011-2012
- Sportage: 2011-2012
- Equus: 2011-2013
- Genesis 2Dr: 2010-2013

- Genesis 4Dr: 2009-2013
- Sonata: 2011-2013
- Tucson: 2013

The KIHY100KIT includes KI22P (high security) and HY22P (standard) Emergency Keys depending on vehicles' mechanical lock.

The Toyota Clonable Fob Kit TR100KIT application is: Prius: 2004-2008

For more information, contact your local locksmith distributor or www.bianchi1770usa.com.



Bianchi 2013 Auto Guide



TRUSTED SOURCE. MANY SOLUTIONS.®

TAKE PRIDE IN A JOB WELL DONE

You wouldn't want to compromise your work and reputation – BUY STRATTEC ORIGINALS! The jobs you are most proud of are the ones that employed your special skills, product supplied by your STRATTEC authorized distributor, and product manufactured by the largest OE manufacturer of automotive locks and keys in the world.



For more information, please visit <http://aftermarket.strattec.com>

3333 West Good Hope Road | Milwaukee, WI | 877.251.8798



© 2011 STRATTEC SECURITY CORPORATION. All Rights Reserved. AS6938 - 10.11

