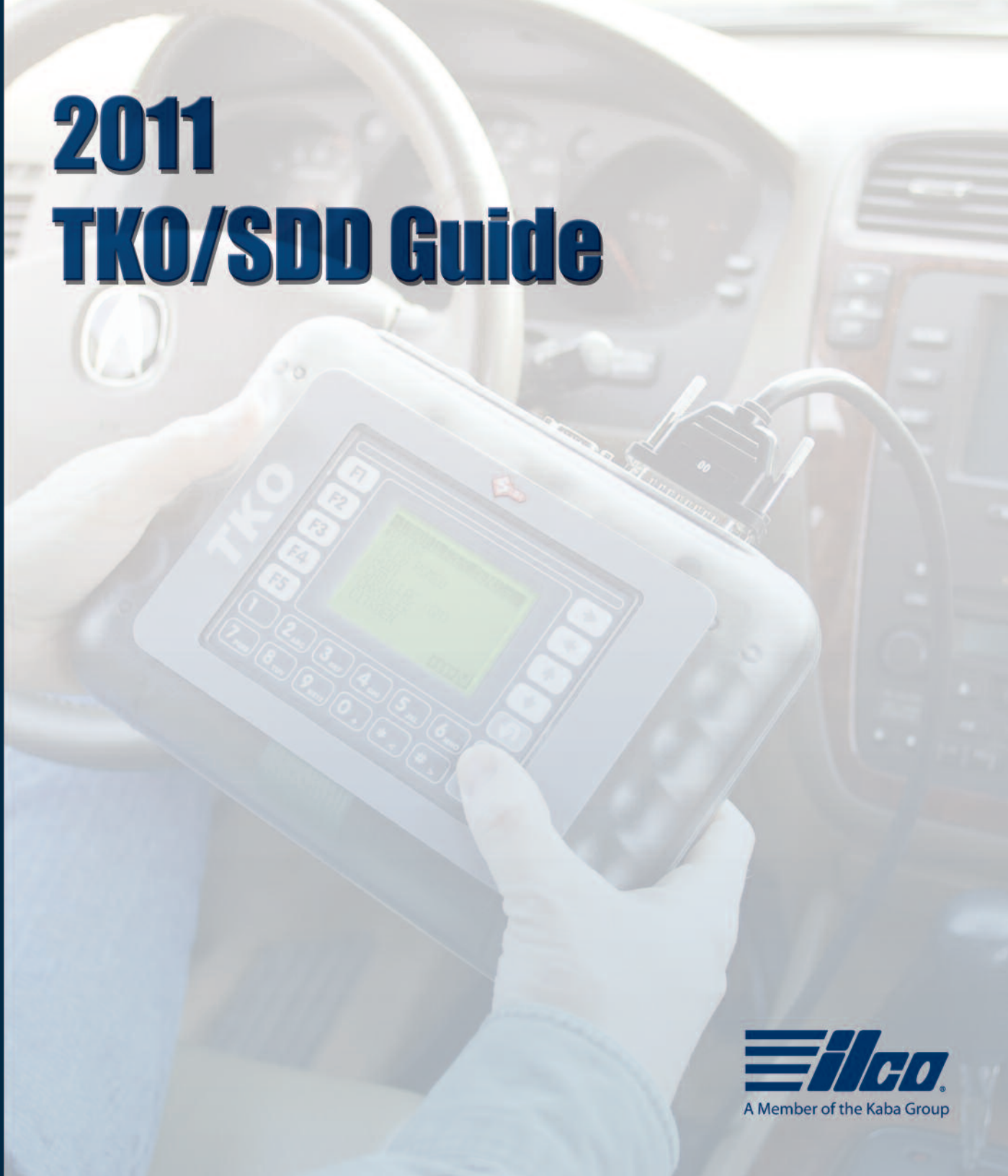# 2011 TKO/SDD Guide

TKO

The *ilco* to your success

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TKO Transponder Key Programming Tool

The TKO (Transponder Key Originator) and it's predecessor (SDD) is a specially designed programming tool capable of adding new and removing existing Transponder keys (and key codes) in the vehicle's central computer. Security Professionals now have access to a unique tool for vehicles that do not support On-Board Programming procedures to add Transponder keys.

The TKO quickly and easily originates new keys even when the customer has lost all existing keys. Designed to fit the needs of North American automotive key makers, the TKO offers a range of features and vehicle compatibility unrivaled in today's market. The TKO also allows users to delete Transponder keys and diagnose potential transponder problems by communicating directly with the vehicle's immobilizer computer.

· Compatible with many vehicle brands
· Add or originate new transponder keys
· Delete lost or stolen keys
· Quick & easy to use
· OBDII connection compatible
· Fully updatable.

The days of turning away high yield automotive jobs are over, when you use the TKO.

Frequently Asked TKO/SDD Questions

Why do Security Professionals need a tool like the TKO ?
The transponder key market has changed significantly. Early transponder keys could be duplicated (cloned) using tools or simply added to the car's on-board computer by using On-Board Programming procedures. While these systems are still being used today, the market is shifting to a higher level of security. This security is being provided through encrypted transponder chips, which in some cases cannot be duplicated and do not have On-Board Programming procedures. In order for North American security pros to stay current with the automotive market, Kaba Ilco developed the TKO tool to allow programming of encrypted transponders.

What vehicles can be programmed using the TKO ?
The TKO is capable of communicating with and programming transponder keys for many of the vehicles sold under the following brand names: Ford, Lincoln, Mercury, Mazda (including CAN), Volkswagen, Audi, Cadillac, Nissan (including Nissan Serial Read), Infiniti, Mitsubishi, Toyota (including CAN), Lexus, Honda & Chrysler (including CAN 2&3) and Kia Amanti.

What other features can I look forward to ?
The TKO performs many other functions and contains information that any automotive specialist will find invaluable. It is capable of retrieving immobilizer numbers from many brands of vehicles. This immobilizer number can be used to obtain crucial PIN numbers from local automotive dealerships. The TKO allows users to store customer information on the tool while in the field. Users are encouraged to utilize this feature to build a loyal customer base and increase the level of customer service they provide. Finally, the TKO is the only aftermarket diagnostic tool that provides users with detailed information about the car and key that is being programmed. For example, users can locate the position of the car's OBDII port; identify which replacement transponder key to use and how many keys have already been programmed or slots available in a given vehicle.

Does the user need any specific operating software to run the TKO ?
The TKO is a hand-held tool that does not require a personal computer for day-to-day functions. An exception to this is the Nissan BCM serial read which is installed on a personal computer for future access. A computer will be used for updating the TKO when new models are added, and features improved. The TKO requires connection either to the vehicle via the 12V cigarette lighter or the OBDII data port. Further instructions regarding this point can be found in the TKO Owner's Manual.

Is there any reason a user who is not currently using transponder technology would be interested in the TKO ?
The TKO is easy to use, but it is important that the operator understand operation and preferably have a working knowledge of transponder keys. This information is available through the TKO Owner's Manual the Ilco Transponder Guide. Kaba Ilco is committed to updating Security Professionals on the latest automotive technology and continues to conduct nationwide presentations and training classes.

What about updates?
Due to the ever-changing automotive security technologies, updates are necessary. Your sales representative or distributor will be informed of new releases and pricing. If you wish to receive updated information direct from Ilco, we encourage you to register your TKO.

What if I find an issue with my TKO ?
Any technical issues or concerns that may be uncovered in the field should be sent to Technical Support (tech_support@irm.kaba.com) so that they can be corrected as soon as the next version is released.

What about technical support?
The Ilco Technical Assistance Department operates between the hours of 8AM and 5PM (EST) Monday - Friday (closed holidays). For assistance, please call 800-ILCO-USA (800-452-6872), option 8.

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
ACURA								
CL	1998-2003	3.2L-Type 2	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
		3.5L-Type 1	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Intergra	2000-2001	2A	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
MDX	2007-2009	7,8 (CAN)	HO03-PT(V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
	2001-2006	2B, 3	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
NSX	1997-2005	1A	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
RDX	2007-2010	7,8 (CAN)	HO03-PT(V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
RL	1996-2004	3.2L-Type 2	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
		3.5L-Type 1						
	2005-2007	New Immobilizer System	HD111-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
RSX	2002-2006	3	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
TL	1999-2003	3.2L-Type 2	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
		3.5L-Type 1						
	2004-2006	4	HD111-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2008	11 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
	2009	13 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
TSX	2004-2006	4	HD111-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2008	11 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
	2009	13 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
AUDI								
A4/S4	2002-2005	2	HU66AT6	YES	NO	00(D922876ZR)	00(D922876ZR)	cannot pull pin number
	2006	CAN	Dealer Key	NO	NO	00	00	Pin numer is bypassed
A6/S6	2001	2 (Pin 1 or 2)	HU66AT6	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2001-2004	2 (EMS or 2)	HU66AT6	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2005	CAN	Dealer Key	NO	NO	00	00	Pin number is bypassed
A8	2001-2002	2	HU66AT6	YES	NO	00(D922876ZR)	00(D922876ZR)	
TT	Mid 2002-2006	2 (EMS)	HU66AT6	YES	NO	00(D922876ZR)	00(D922876ZR)	cannot pull pin number after 2005
BUICK								
Allure	2005-2008	CAN	PT04-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Enclave	2007-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
LaCrosse	2005-2009	CAN	PT04-PG	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
LeSabre	2000-2005	Basic	B99-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
Lucerne	2006-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Park Avenue	1997-2004	Basic	B97-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
Rendezvous	2002-2004	Basic	B97-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
Terraza	2005-2007	CAN	B97-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
CADILLAC								
Catera (Optional)	1997-2000	Immobilizer	HU46T2	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2001-2002	Immobilizer	OEM# 90541902	YES	NO	00(D922876ZR)	00(D922876ZR)	
CTS	2003-2007	CAN	B112-PT	NO	16(D736863ZB)	09(D725691ZB)	00(D922876ZR)	
	2008-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Deville	2000-2005	Basic	B99-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
DTS	2006-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Escalade	2007-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Seville	1997-2003	Basic	B99-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
SRX	2004-2006	CAN	B115-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
CHEVROLET								
Avalanche	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Cobalt	2005-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Equinox	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Express	2008-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
HHR	2006-2010	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Impala	2006-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Malibu	2004-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Monte Carlo	2006-2008	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Silverado	2007-2010	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Suburban	2007-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	Run under Chevrolet US (CAN) Tahoe '07-
Tahoe	2007-2010	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Traverse	2009-2010	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Uplander	2005-2008	CAN	B97-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Venture	1999-2004	Basic	B97-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
CHRYSLER								
200	2011	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
300, 300C	2005-mid 2006	CAN	Y164-PT	YES#	NO	00(D922876ZR)	00(D922876ZR)	
300	mid 2006-2008	CAN 2/3	Y164-PT (Optional FOB-2008)	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-mid 2009	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
300M	1999-2004	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Aspen	2007-2009	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Cirrus	1999-2000	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Concord	1998-2004	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
LHS	1999-2001	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
New Yorker	1999-2004	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Pacifica	2004-2008	Skreem	Y164-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
PT Cruiser (Optional)	2001-2005	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
PT Cruiser	2006-2010	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Sebring	1999-2000	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Sebring 2 Dr. Htp.	2001	Mitsubishi	Y162-PT	YES	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	Run under Mitsubishi(USA) Eclipse '00-02
	2002-2005	Mitsubishi	Y165-PT	YES	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	Run under Mitsubishi(USA) Eclipse '02-
Sebring 4 Dr.	1999-2000	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2001-2006	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Sebring Htp. (Optional)	2007-2010	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Sebring Conv.	1998-2000	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	Run under Sebring 4 Dr. '99-06
	2001-2006	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2007-2010	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Town and Country	2001-2003	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2004-2007	Skreem	Y164-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2008-2010	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
DODGE								
Avenger	2008-2011	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Caliber (Optional)	2007-2010	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	

TKO-will automatically by-pass pin number   SDD-must have purchased Chrysler CAN Pin By-Pass update in order to by-pass pin number. Otherwise pin number will be needed.

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Caravan	2001-2003	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2004-2007	Skreem	Y164-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2008-2010	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Charger	2005-mid 2006	CAN	Y164-PT	YES#	NO	00(D922876ZR)	00(D922876ZR)	
	mid 2006-2008	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-mid 2009	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Dakota	2001-2004	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2005-2006	CAN	Y164-PT	YES#	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2009	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Durango	2001-2003	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2004	CAN	OEM #05175786AA	YES#	NO	00(D922876ZR)	00(D922876ZR)	
	2005-2006	CAN	Y164-PT	YES#	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2009	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Intrepid	1998-2004	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Journey	2009-2010	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Magnum	2005-2006	CAN	Y164-PT	YES#	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2008	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-mid 2009	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Neon	2000-2005	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Nitro	2007-2011	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Ram P/U	2002-2005	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Ram P/U (Optional)	2006-2008	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Ram 1500	2009	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Stratus	1999-2000	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Stratus 2 Dr.	2001	Mitsubishi	Y162-PT	YES	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	Run under Mitsubishi(USA) Eclipse '00-02
	2002-2007	Mitsubishi	Y165-PT	YES	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	Run under Mitsubishi(USA) Eclipse '02
Stratus 4 Dr.	2001-2006	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
EAGLE								
Vision	1998	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
FORD								
Contour	1999-2000	PCM	H73-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Crown Victoria	1998-2002	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2003-2004	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2011	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
E-Series Van (Optional)	2008-2009	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010-2011	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Edge	2007-2009	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Escape	2001-2004	PCM	H86-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2007	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	Run under '06 Fusion
	2009	PATS 5 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010-2011	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	

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Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Excursion	2000-2006	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Expedition	1999-2002	HEC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2003-2004	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2006	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2008	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009-2010	PATS 5 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Explorer	1998-7/2000	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	7/2000-2003	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2004-2005	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2006-2009	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Explorer Sport Trac	2002-2005	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2006-2009	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
F-150/250	1999-2003	HEC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
F-150/250 Heritage	2004	HEC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
F-150/F-250	2004-2008	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
F-150/F-250 (new body)	2009-2010	PATS 5 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
F-250/F-350 Super Duty	1996-2007	No Transponder System						
	2008-2009	Pats 4 or 5 Can	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Five Hundred	2005-2007	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Flex	2009	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Focus	2000-2002	PCM	H86-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Focus 2.0	2003-2004	PCM	H86-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Focus 2.3	2003-2004	PATS 3 CAN	H86-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Focus	2005	PATS 3 CAN	H86-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2006-2007	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2010	PATS 5 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Freestar	2004-2005	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2006	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Freestyle	2005-2007	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Fusion	2006-2009	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010-2011	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
GT	2005-2006	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Mustang	1998	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	1999-2004	HEC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2009	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010-2011	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Ranger	1999-2000	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Ranger (V6)	2001-2004	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005	No Transponder System		NO	NO			
	2006	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
Ranger	2007-2009	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Taurus	1998-1999	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2000-2003	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2004-2007	PATS 3 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
con't	2008	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009	PATS 5 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Taurus w/Prox	2010-2011	Ford Prox	Dealer Prox	NO	NO	00(D922876ZR)	00(D922876ZR)	
Taurus w/Regular Ignition	2010-2011	Ford 2010 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Taurus X	2008-2009	PATS 5 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
Thunderbird	2002	HEC	H86-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2003-2005	HEC	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
Windstar	1999-2000	ICM	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2001-2006	PCM	OEM #164-R0475	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2007	PATS 4 CAN	OEM #164-R0475	NO	NO	00(D922876ZR)	00(D922876ZR)	
GMC								
Acadia	2007-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Savanna	2008-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Sierra	2007-2011	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Yukon	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
HONDA								
Accord	1998-2002	2A, 2C	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2003-2008	4	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	
	late 2008-2011	13 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
Accord Crosstour	2010-2011	13 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
Civic	2001-2002	3	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2003-2005	3	HO01-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2006-2011	7, 8 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
CR-V	2002-2006	3	HO01-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2011	10 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
Element	2003-2005	3	HO01-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2006	4	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2009	11 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
Fit	2007	9 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
	2008-2009	10, 11 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
	2010	10 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
Insight	2000-2006	2A	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	10 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed, Run under Fit '09-
Odyssey	1998-2002	2A	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2003-2004	2B or 3	HO01-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2005-2006	4	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2010	11 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
	2011	13 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	Run under Honda (USA) Accord '09-
Pilot	2003-2005	2B	HO01-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2006-2008	4	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009-2011	13 (CAN)	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	
Prelude	1997-2002	1A	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Ridgeline	2005-2009	4	HO03-PT (V)	NO	NO	00(D922876ZR)	00(D922876ZR)	
S2000	2000-2005	2A, 2B, 3	HD106-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2006-2009	9 (CAN) or 11 (CAN)	HD113-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode is bypassed
HUMMER								
H2 (Optional) .	2008-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
H2 SUT (Optional)	2008-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
HYUNDAI								
Accent (Canada)	2006-2011	CAN	HYN6T14	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Hyundai Accent (CAN)
Azera	2005-2006		Dealer Key	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2009	CAN	HY20-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Tiburon(Canadian models)	2002-2005		HY022-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under '02- Hyundai Coupe
2007+ Hyundai PIN codes can by obtained by calling Ilco Tech Support (Mon-Fri 8:00 am - 5:00 pm EST) and providing last 6 digits of VIN along with TKO/SDD serial number								
INFINITI								
EX35	2008-2011	Prox	Dealer Prox	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan(USA) Murano(PRX)
FX35/45 w/Key	2003-2009	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
FX35/45/50 w/Prox	2003-2011	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan(USA) Murano(IK)
G20	2000-2002	4	NI02T	5523	NO	00(D922876ZR)	00(D922876ZR)	
G35 w/ Key	2003-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
G35 w/ Prox (2 Door)	2005-2007	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan(USA) Murano(IK)
G35 w/ Prox (4 Door)	2005-2006	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan(USA) Murano(IK)
	2007-2008	Prox	Dealer Prox	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan(USA) Murano(PRX)
G37 w/Prox	2009-2011	Prox	Dealer Prox	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan(USA) Murano(PRX)
I30	1999-2000	3	NSN11T2*	NO	NO	Old Style Nissan (D723513ZB)	Old Style Nissan (D723513ZB)	Choose NATS2 within I30 menu
I30/35	2001-2004	4	NI02T	5523	NO	00(D922876ZR)	00(D922876ZR)	
M45	2003-2006	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Q45	1997-1999	2	INF45-PT	NO	NO	Old Style Nissan (D723513ZB)	Old Style Nissan (D723513ZB)	Choose NATS2 within Q45 menu
	2000-2001	3	INF45-PT	YES	Nissan(D724649ZB)	00(D922876ZR)	00(D922876ZR)	
	2002-2006	4 (Random)	Dealer Key	5523	NO	00(D922876ZR)	00(D922876ZR)	
QX4	1999-2000	3	NI02T	NO	NO	Old Style Nissan (D723513ZB)	Old Style Nissan (D723513ZB)	Choose NATS2 within QX4 menu
	2001-2004	4	NI02T	5523	NO	00(D922876ZR)	00(D922876ZR)	
QX56	2004-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2010	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan(USA) Murano(IK)
JAGUAR								
S-Type (Optional)	2000-2003	Model	FO21T7	NO	NO	03(D929699ZR)	00(D922876ZR)	
JEEP								
Cherokee	1998-2001	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Commander	2006-2007	CAN	Y164-PT	YES#	NO	00(D922876ZR)	00(D922876ZR)	
	2008-mid 2009	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Compass (Optional)	2007-2008	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Grand Cherokee & Laredo	1999-2004	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2005-2006	CAN	Y164-PT	YES#	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2008	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-mid 2009	Fobik	Dealer Fobik Key/ Y170-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Liberty	2002-2004	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2005-2007	Skreem	Y164-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2008-2010	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Patriot	2007-2011	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Wrangler	1998-2000	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	

TKO-will automatically by-pass pin number   SDD-must have purchased Chrysler CAN Pin By-Pass update in order to by-pass pin number. Otherwise pin number will be needed.

* Keys MUST be coded using a RW2, RW3, or, RW4. If using the RW2, it must have version 23 or higher. If keys are not coded, they cannot be added to a vehicle's central computer.

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Wrangler & Rubicon	2001-2006	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
	2007-2011	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
KIA								
Amanti	2005-2006		KK7-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2009	CAN	KK9-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Borrego	2009	CAN	HY20-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Forte (Canada)	2008-2011	CAN	HYN14RT14	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under any Kia (USA) CAN
2007+ KIA PIN codes can be obtained by calling Ilco Tech Support (Mon-Fri 8:00 am - 5:00 pm EST) and providing last 6 digits of VIN along with TKO/SDD serial number								
LEXUS								
ES300	2002-2003	1	TOY48BT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
ES330	2004-2006	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
GS300/GS400	2002-2005	1	TOY48BT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
GS430	2001-2005	1	TOY48BT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
GX470	2003-2007	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
IS300	2001-2005	1	TOY48BT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
IS300 Sedan	2001-2005	1	TOY48BT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
IS300 Sport Cross	2001-2005	1	TOY48BT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
LS400/LS430	2001-2006	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
LX470	2001-2002	1	TOY48BT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2003-2007	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
RX330	2004-2006	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
RX350	2007-2009	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	Run under '04-06 Lexus RX330
RX400h	2006-2009	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
SC300,SC400,SC430	2002-2010	2	TOY50-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
LINCOLN								
Aviator	2003-2007	PCM	OEM #164-R0463	NO	NO	03(D929699ZR)	00(D922876ZR)	
Blackwood	2002	HEC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Continental	1998-2002	VIC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
LS	2000-2002	HEC	H74-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2003-2006	PCM	OEM #164-R0463	NO	NO	03(D929699ZR)	00(D922876ZR)	
Mark LT	2006-2007	PATS 3 CAN	OEM #164-R0463	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2009	PATS 4 CAN	OEM #164-R0463	NO	NO	00(D922876ZR)	00(D922876ZR)	
MKS	2009-2011	Ford Prox	Dealer Prox	NO	NO	00(D922876ZR)	00(D922876ZR)	
MKT	2010-2011	Ford Prox	Dealer Prox	NO	NO	00(D922876ZR)	00(D922876ZR)	
MKX	2007-2009	PATS 4 CAN	OEM #164-R7015	NO	NO	00(D922876ZR)	00(D922876ZR)	
MKZ	2007-2009	PATS 4 CAN	OEM #164-R7015	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010-2011	Ford 2010 CAN	OEM #164-R7015	NO	NO	00(D922876ZR)	00(D922876ZR)	
Navigator	1999-2002	HEC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2003-2004	PCM	OEM #164-R0463	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2006	PATS 3 CAN	OEM #164-R0463	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2008	PATS 4 CAN	OEM #164-R0463	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009-2010	Pats 5 Can	OEM #164-R0463	NO	NO	00(D922876ZR)	00(D922876ZR)	
Town Car	1998-2002	HEC	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2003-2004	PCM	OEM #164-R0463	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2011	PATS 3 CAN	OEM #164-R0463	NO	NO	00(D922876ZR)	00(D922876ZR)	
Zephyr (MKZ)	2006-2007	PATS 4 CAN	OEM #164-R0463	NO	NO	00(D922876ZR)	00(D922876ZR)	
MAZDA								
3	2004-2010	CAN	OEM #F1Y1-76-2GX	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode Required
5	2004-2010	CAN	OEM #F1Y1-76-2GX	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode Required

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
6	2004-2010	CAN	OEM #F1Y1-76-2GX	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode Required
B Series P/U	1999-2000	Ford PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2001-2005	Ford PCM	Dealer Key	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2006	PCM	Dealer Key	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2007-2009	PATS 4 CAN	Dealer Key	NO	NO	00(D922876ZR)	00(D922876ZR)	
CX-7	2007-2010	CAN	OEM #G2YA-76-2GXB	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode Required
CX-9	2007-2010	CAN	OEM #G2YA-76-2GXB	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode Required
MX-5	2006-2009	CAN	OEM #F1Y1-76-2GX	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode Required
RX 8	2004-2009	CAN	OEM #F1Y1-76-2GX	NO	NO	00(D922876ZR)	00(D922876ZR)	InCode Required
Tribute	2001-2004	Ford PCM	H86-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2008	Ford PATS 3 CAN	Dealer Key	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009	PATS 5 Can	Dealer Key	NO	NO	00(D922876ZR)	00(D922876ZR)	

Mazda Incodes can only be obtained through Ilco Tech Support (Mon-Fri 8:00 am - 5:00 pm EST), NASTF or Mazda dealer

MERCURY

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Cougar	1999-2002	PCM	H73-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Grand Marquis	1998-2002	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2003-2004	PCM	OEM #164-R0455	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2005-2011	PATS 3 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	
Mariner	2005-2007	PATS 3 CAN	OEM #164-R7041	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008	PATS 4 CAN	OEM #164-R7041	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009	PATS 5 CAN	OEM #164-R7041	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R7041	NO	NO	00(D922876ZR)	00(D922876ZR)	
Mystique	1997-1998	PATS 1	H73-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	1999-2000	PCM	H73-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
Marauder	2003-2005	PCM	OEM #164-R0455	NO	NO	03(D929699ZR)	00(D922876ZR)	
Milan	2006-2009	PATS 4 CAN	OEM #164-R7041	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R7041	NO	NO	00(D922876ZR)	00(D922876ZR)	
Montego	2005-2006	PATS 3 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007	PATS 4 CAN	OEM #164-R7041	NO	NO	00(D922876ZR)	00(D922876ZR)	
Monterey	2004-2005	PCM	OEM #164-R0455	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2006-2007	PATS 3 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	
Mountaineer	1998-7/2000	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	7/2000-2004	PCM	OEM #164-R0455	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2004-2005	PATS 3 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2006-2009	PATS 4 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2010	Ford 2010 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	
Sable	1996-1997	PATS 1	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	1998-1999	PATS 2	H72-PT	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2000-2003	PCM	OEM #164-R0455	NO	NO	03(D929699ZR)	00(D922876ZR)	
	2004-2007	PATS 3 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2009	PATS 4 CAN	OEM #164-R0455	NO	NO	00(D922876ZR)	00(D922876ZR)	

MITSUBISHI

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Diamante	2000-Mid 2001	Model	MIT8-PT	O426	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	Mid2001-2006	Model	MIT12-PT	O426	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
Eclipse	2000-Mid 2001	Model	MIT9-PT (R)**	6876	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2001-2005	Model	MIT13-PT(N)**	6876	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2006-2007	CAN	MIT16A-PT	1530	NO	00(D922876ZR)	00(D922876ZR)	Split model year. Check keyway in vehicle
	2007-2011	CAN	MIT17A-PT	1530	NO	00(D922876ZR)	00(D922876ZR)	Split model year. Check keyway in vehicle

**If vehicle existing key has "R"on blade, you must use MIT9-PT[R]. If vehicle existing key has "N"on blade, you must use MIT13-PT[N]. If vehicle has lost all keys you can use the MIT13-PT[N].

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Endeavor	2001-2005		MIT13-PT(N)**	1530	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2006	Model	MIT16A-PT(A)	YES	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2006-2007	CAN	MIT16A-PT	1530	NO	00(D922876ZR)	00(D922876ZR)	Split model year. Check keyway in vehicle
	2007-2010	CAN	MIT17A-PT	1530	NO	00(D922876ZR)	00(D922876ZR)	Split model year. Check keyway in vehicle
Galant	2000	Model	MIT9-PT (R)**	2949	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2001-2003	Model	MIT9-PT (R)**	2949	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
			MIT13-PT(N)**	2949	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2004-2005	Model	MIT16A-PT(A)	1530	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2006-2007	CAN	MIT16A-PT	1530	NO	00(D922876ZR)	00(D922876ZR)	Split model year. Check keyway in vehicle
	2007-2010	CAN	MIT17A-PT	1530	NO	00(D922876ZR)	00(D922876ZR)	Split model year. Check keyway in vehicle
Lancer	2001-2005		MIT14-PT	7315	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2008-2009	CAN	MIT17A-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Lancer EVO	2001-2005		MIT14-PT	7315	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2006	Model	Dealer Key	YES	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
Montero Sport	2000	Model	MIT8-PT	3828	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
Montero	2001-2005		MIT12-PT	5176	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
Montero / Sport	2001-2005	Model	MIT12-PT	3828	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
Outlander	2004-2006	Model	OEM #MN141307	7129	Mitsubishi(D725061ZB)	00(D922876ZR)	00(D922876ZR)	
	2007-2010	CAN	MIT17A-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	
Raider	2006-2007	CAN	Y164-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	Run under any Chrysler CAN model
	2008-2009	CAN 2/3	Y164-PT	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under any Chrusler CAN model 2/3
NISSAN								
350Z	2004-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
370Z	2009-2010	Prox	Dealer Prox	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan (USA) Altima (Prox)
Altima	2000	3	NI02T/NI01T	NO	Nissan(D724649ZB)	00(D922876ZR)	00(D922876ZR)	Choose NATS2 within Altima menu
	2001-2004	4	NI02T/NI01T	5523	NO	00(D922876ZR)	00(D922876ZR)	
	2005-2006	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2010	Prox	Dealer Prox	YES	NO	00(D922876ZR)	00(D922876ZR)	
Armada	2004-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Armada w/ Intelligent key	2008-2009	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Armada w/ Regular Key	2008-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Frontier (Optional)	2005-2008	4	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Maxima	1999-2000	3	NSN11T2*	NO	NO	Old Style Nissan (D723513ZB)	Old Style Nissan (D723513ZB)	Choose NATS2 within Maxima menu
	2001-2003	4	NI02T/NI01T	5523	NO	00(D922876ZR)	00(D922876ZR)	
	2004-2006	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2008	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2009	Prox	Dealer Prox	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Nissan (USA) Altima (Prox)
Murano w/ Regular Key	2003-2008	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Murano w/ Intelligent Key	2005-2008	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Murano	2009	Prox	Dealer Prox	YES	NO	00(D922876ZR)	00(D922876ZR)	
Pathfinder	1999-2000	3	NI02T/NI01T	NO	NO	Old Style Nissan (D723513ZB)	Old Style Nissan (D723513ZB)	Choose NATS2 within Pathfinder menu
	2001-2004	4	NI02T/NI01T	5523	NO	00(D922876ZR)	00(D922876ZR)	
	2005-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Pathfinder w/ Intelligent Key	2008-2009	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Pathfinder w/ Regular Key	2008-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	

* Keys MUST be coded using a RW2, RW3, or, RW4. If using the RW2, it must have version 23 or higher. If keys are not coded, they cannot be added to a vehicle's central computer.
**If vehicle existing key has "R"on blade, you must use MIT9-PT[R]. If vehicle existing key has "N"on blade, you must use MIT13-PT[N]. If vehicle has lost all keys you can use the MIT13-PT[N].

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Quest	2004-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Rogue w/ Intelligent Key	2008-2009	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Rogue w/ Regular Key	2008-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Sentra (Optional)	2000-2006	4	NI02T/NI01T	5523	NO	00(D922876ZR)	00(D922876ZR)	
Sentra w/ Intelligent Key	2007-2009	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Sentra w/ Regular Key	2007-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Titan	2004-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Versa w/ Intelligent Key	2007-2008	Intellignet Key (IK)	Dealer Prox/NI05T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Versa w/ Regular Key	2007-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
Xterra	2003-2004	4	NI02T/NI01T	5523	NO	00(D922876ZR)	00(D922876ZR)	
	2005-2007	4 (Random)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2009	Nats 5 Can (NT5)	NI04T	YES	NO	00(D922876ZR)	00(D922876ZR)	

WARNING: DO NOT ATTEMPT TO PROGRAM ANY NISSAN HYBRIDS!
Some 2009 model Nissan & Infiniti models require a new BCM conversion only available thorugh NASTF or Nissan/Infiniti dealer.

OLDSMOBILE

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Aurora	2001-2003	Basic	B99-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
Silhouette	1999-2004	Basic	B97-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	

PLYMOUTH

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Breeze	1999-2000	1	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	
Voyager	2001-2003	2	Y160-PT	YES	NO	09(D725691ZB)	00(D922876ZR)	

PONTIAC

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Aztek	2001-2004	Basic	B99-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
Bonneville	2000-2004	Basic	B99-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
Grand Prix	2000-2003	Basic	B103-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
	2004-2008	CAN	PT04-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
GTO	2005-2008	Opel	OEM #92123129	YES	NO	00(D922876ZR)	00(D922876ZR)	
G5	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	Run under Opel-Vauxhall Astra (CAN) '04-
G6	2005-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
G8	2009	CAN	Dealer Key	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Montana	1999-2004	Basic	B97-PT	NO	NO	09(D725691ZB)	00(D922876ZR)	
	2005-2008	CAN	B99-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Pursuit	2006-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Solstice	2006-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Torrent	2007-2009	CAN	B111-PT	NP	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Vibe	2007-2009	Toyota Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	

SAAB

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
9-7	2006-2008	CAN	PT04-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	

SATURN

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
Aura	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Outlook	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Relay	2005-2007	CAN	B97-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Sky	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
Vue	2007-2009	CAN	B114R-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	

SCION

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
tC	2005-2007	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	Run under Toyota (USA) Camry (Type 2)
	2008-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	Run under Toyota (USA) Camry (CAN) '07-

Model	Year	System	Key	PIN #	SDD Adapter	SDD Cable	TKO Cable	Notes
SUBARU								
Baja	2005-2007	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
B9 Tribeca	2006-2008	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Forester (Optional)	2005-2008	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Forester	2009		DAT17T13	NO	NO	00(D922876ZR)	00(D922876ZR)	
Impreza (Optional)	2005-2007	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Impreza	2008-2009	1	DAT17T13	NO	NO	00(D922876ZR)	00(D922876ZR)	
Impreza WRX (Optional)	2005-2007	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Impreza WRX	2008-2009	1	DAT17T13	NO	NO	00(D922876ZR)	00(D922876ZR)	
Legacy (Optional)	2005-2009	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Outback 2.5 XT (Opt'l)	2005-2009	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Outback 3.0 R (Opt'l)	2005-2009	1	SUB4-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
SUZUKI								
XL7	2007-2009	CAN	B111-PT	NO	16(D736863ZB)	00(D922876ZR)	00(D922876ZR)	
TOYOTA								
4 Runner	2001-2002	1	TOY43AT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2003-2008	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Avalon	2005-2007	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2009	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Camry	2002-2004	1	TOY43AT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2003-2006	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Camry w/regular Key	2007-2011	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	Cannot program OEM key w/ "G" system
Corolla	2005-2008	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009-mid 2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
FJ Cruiser	2007	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Highlander	2001-2003	1	TOY43AT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2004-2007	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2009	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Land Cruiser	2001-2002	1	TOY43AT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2003-2007	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Matrix	2005-2007	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Prius	2004-2008	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	Cannot program SmartKey vehicles
RAV 4	2006	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Sequoia	2001-2002	1	TOY43AT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Sienna	2004-2008	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2008-2010	2 or Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Solara	2002-2003	1	TOY43AT4	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2004-2006	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2007-2009	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Tacoma	2005-2008	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
	2009-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Tundra	2007-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Venza	2009-2010	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Yaris	2007	2	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	

Model	Year	System	Key	PIN #	SDD		TKO	Notes
					Adapter	Cable	Cable	
Yaris (Optional)	2008-2011	Can	TOY44D-PT	NO	NO	00(D922876ZR)	00(D922876ZR)	
Some 2010+ models use OEM "G" key. If vehicle communicates under Toyota (USA) CAN menu, it is NOT a "G" system. 2 identical models can run different systems. Update forthcoming for "G" system.								
VOLKSWAGEN								
Beetle	2000-2006	2 (EMS)	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	Cannot Read Pin
Cabrio	2000-2005	1	Dealer Key	YES	NO	00(D922876ZR)	00(D922876ZR)	
Cabriolet	2000-2005	2	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	
Eurovan	2000-2004	1	Dealer Key	YES	NO	00(D922876ZR)	00(D922876ZR)	
Golf	2000-2001	2 (Pin 1 or 2)	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2002-2004	2 (EMS)	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2005-2006	Can	Dealer Key	NO	NO	00(D922876ZR)	00(D922876ZR)	Pin is automatically By-Passed
GTI	2000-2005	2	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	
Jetta	2000-2001	2 (Pin 1 or 2)	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	
	2002-2005	2 (EMS)	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	Cannot read Pin 2005-2006
	2006	Can	HU66T24	NO	NO	00(D922876ZR)	00(D922876ZR)	Pin is automatically By-Passed
Passat (sedan only)	Mid 2001-2005	2 (EMS)	HU66T6	YES	NO	00(D922876ZR)	00(D922876ZR)	
Routan	2009	Fobik	Dealer Fobik Key	YES	NO	00(D922876ZR)	00(D922876ZR)	Run under Dodge Caravan 2008
Volkswagen Pin Read is not 100% effective								

TECHNICAL TIPS

ACURA

1. Any Acura CL, RL or TL that has a 3.5L engine is a Type 1 Honda/Acura product. When originating new keys for a vehicle in which all existing keys have been lost, a new ECU must be installed. Once installed, TKO owners will be capable of originating new keys for these vehicles.
2. Any Acura CL, RL or TL that has a 3.2L engine is a Type 2 Honda/Acura product. These vehicles do not need to have their ECU replaced when all keys have been lost and new keys need to be originated.
3. Acura's that contain Type 3 & 4 modules can be programmed by using the TKO and the standard OBDII cable D922876ZR. No additional hardware or software is required.
4. TKO owners must be aware that Ilco HD106-PT5 and HO01-PT5 keys cannot be added to Acura vehicles with the TKO unless they are pre-coded by way of the RW2, RW3, RW4 device. This function is only available on the RW2 with version 23.0 software. Pre-coded Acura blanks; HD106-PT and HO01-PT are now available from Ilco.

EMERGENCY ENGINE START PROCEDURE: (CL, TL & INTEGRA)
1. Make a mechanical key that will work the ignition lock cylinder.
2. Have the customer get the "Immobilizer Brake Code" from the dealer or Honda Customer Relations. You will need the Vehicle Identification Number. This is a five digit number code. Each car has a different "Immobilizer Brake Code" since they are VIN specific.
3. Turn the ignition switch to the ON position (II).
4. Have the BRAKE CODE in front of you. To enter the first number of the BRAKE CODE, press and release the brake pedal the same number of times as the first number in the BRAKE CODE. For example if the first number in the BRAKE CODE is a 2, press and release the brake pedal 2 times.
5. Turn the ignition switch to the LOCK position.
6. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 2nd number in the BRAKE CODE.
7. Turn the ignition switch to the LOCK position.
8. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 3rd number in the BRAKE CODE.
9. Turn the ignition switch to the LOCK position.
10. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 4th number in the BRAKE CODE.
11. Turn the ignition switch to the LOCK position.
12. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 5th number in the BRAKE CODE.
13. Turn the ignition switch to the LOCK position.
14. After entering the 5th number, the Immobilizer Indicator light on the dash should flash 5 times and then shut off. The car should now start. This procedure must be repeated each time you turn off the car for more than 10 minutes. The Immobilizer System indicator will remain on while the engine is running.

IMPORTANT NOTE: If the customer finds his/her keys or drives home to get them, they cannot use them until the vehicle has been turned off for more than 10 minutes.

EMERGENCY ENGINE START PROCEDURE: (3.5RL & NSX)
1. Make a mechanical key that will work the ignition lock cylinder.
2. Have the customer get the "Immobilizer Brake Code" from the dealer or Cross Country Motor Club at 1-800-594-8500, you will need the Vehicle Identification Number. This is a five digit number code. Each car has a different "Immobilizer Brake Code" since they are VIN specific.
3. Turn the ignition switch to the ON position (II).
4. Have the BRAKE CODE in front of you. To enter the first number of the BRAKE CODE, press and release the Parking Brake the same number of times as the first number in the BRAKE CODE. For example, if the first number in the BRAKE CODE is a 2, press and release the Parking Brake 2 times.
5. Turn the ignition switch to the LOCK position.
6. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 2nd number in the BRAKE CODE.
7. Turn the ignition switch to the LOCK position.
8. Within 30 seconds turn the ignition switch to the ON position (II) and enter the 3rd number in the BRAKE CODE.
9. Turn the ignition switch to the LOCK position.
10. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 4th number in the BRAKE CODE.
11. Turn the ignition switch to the LOCK position.
12. Within 0 seconds, turn the ignition switch to the ON position (II) and enter the 5h number in the BRAKE CODE.
13. Turn the ignition switch to the LOCK position.
14. After entering the 5th number, the Immobilizer Indicator light on the dash should flash 5 times and then shut off. The car should now start. This procedure must be repeated each time you turn off the car for more than 10 minutes.

IMPORTANT NOTE: If the customer finds his/her keys or drives home to get them, they cannot use them until the vehicle has been turned off for more than 10 minutes.

AUDI

1. TKO owners who wish to originate new Audi keys using their TKO device must be aware that Audi vehicles require a four-digit PIN number. This PIN number must be entered into the TKO using its keypad. PIN numbers are not available through Kaba Ilco Corp. PIN numbers must be obtained through a certified Audi dealership. TKO owners will need to provide the dealership with the vehicle's VIN number and Immobilizer number. The VIN number can be found on the vehicles dashboard while the immobilizer number can be retrieved by using the TKOs' "Read Immobilizer ID" function. Using these two pieces of information, a Volkswagen dealership can retrieve the vehicles PIN number from their on-line system.
2. When obtaining a PIN number from a dealership, TKO owners need to be aware that this PIN number will be seven digits long. This seven-digit number will need to be converted into a four-digit number before typing it into the TKO. The Ilco technical assistance department can convert these PIN numbers for TKO owners upon request. In order to do this, please provide the Ilco Technical Assistance department with the appropriate Dealer Number and Seven Digit PIN number.
3. Please be aware that these PIN number change daily. Users must be certain that the PIN number is used on the same day that the dealer provides it.
4. Many Audi vehicles in North America contain instrument clusters that are manufactured by a company called VDO. The instrument cluster manufacturer is indicated across the bottom portion of the cluster. (Directly under the Speedometer, TAC meter and other gauges) If the cluster is supplied by VDO, then the letters VDO will be visible in black plastic across the bottom section of the cluster. Any Audi vehicle that contains one of these instrument clusters does not require a specific PIN number. The TKO programming tool will retrieve the pin code and allow the user to automatically get access to the vehicle's ECU.
5. TKO owners must be aware that when adding new Transponder keys to Audi vehicles, all existing keys must also be present for programming. If a customer requires a new key to be added to their vehicle and they already have three keys programmed to that vehicle, all four keys must be present when the locksmith begins programming. If the three original keys are not presented along with the new key, they will be eliminated from the car's memory and replaced by only the new key. All three keys can be re-programmed and accepted by the vehicle at a later date.

EMERGENCY ENGINE START PROCEDURE: (A dealer device called a VAG machine is required for programming new transponder keys.)
- You can make 3 attempts to enter the secret number before you will be locked out for 10 minutes.
- The waiting time for each set of attempts doubles and the trip odometer counter will display the word "FAIL".
- You cannot wait longer than 30 seconds to move from one step to the next during the input of the Secret Code.
- The Emergency Start Function will deactivate if the vehicle has been shut off & key removed for more than 5 minutes.
- The Emergency Start Function will stay active, for 45 minutes, with the vehicle shut off as long as you do not remove the ignition key from the ignition lock.
1. Customer must have "Secret Number" (pin code) or a dealer device known as the VAG will have to be hooked up to the vehicle.
2. A non-transponder key with the correct mechanical cuts will have to be made.
3. Insert key into the ignition and turn the switch to the "Run" position.
4. Twist the setting knob for the Clock, which is located on the instrument cluster, in the clockwise direction while at the same time pressing the reset button for the Tip Odometer Counter,.
5. The Odometer counter should have all zero's and the first zero should be blinking.
6. To set the first number, press the reset button for the trip odometer until the first number of your Secret Code appears. So if the first number is a 7, then the odometer counter should read "7000".
7. Twist the setting knob for the Clock to advance to the next digit and enter the digit by pressing the reset button of the trip odometer counter.
8. Once you have entered all the secret numbers, twist the setting knob for the Clock in the clockwise direction while at the same time pressing the reset button for the Trip Odometer Counter.
9. If the Secret Number was entered correctly, the trip odometer counter will display the trip mileage again, as before you started and the warning light for the anti-theft immobilizer stays lit.
10. Switch off the ignition switch and then back on to start the vehicle.

CHRYSLER

1. All Chrysler vehicles in North America require a PIN number to be entered on the TKO's keypad before transponder keys can be added. This PIN number is not available through Kaba Ilco Corp. PIN numbers must be obtained through a certified Chrysler dealership or through Cross-Country (Roadside assistance). Once the correct PIN number has been entered into the TKO, the user will be able to successfully originate new keys for these vehicles.
2. Some Chrysler products contain a software glitch in which the ECU can be deactivated temporarily. TKO owners are able to identify this problem by connecting their TKO to the vehicle and beginning the programming cycle. If the TKO screen indicates "ECU Not Found" then the vehicle's software has been temporarily damaged. To fix this problem, simply remove the shroud from the ignition column and disconnect the black wire that leads to the black ECU box. Leave this wire disconnected for approximately five minutes and then re-connect it. This will allow the vehicle's ECU to "refresh" itself and repair the temporary glitch. After re-connecting the wire to the ECU, TKO owners can re-connect the TKO to the vehicle's OBDII port and go through the programming procedure. The user will then be able to successfully originate new keys for these vehicles.

3. The Chrysler Sebring 2 door uses an immobilizer system that is different from other Chrysler products. It is in fact a Mitsubishi system. When originating new keys for these vehicles, TKO owners should be prepared to follow instructions similar to those used on Mitsubishi products. Users should also be aware that the PIN number required by these specific vehicles is 6876. The Ilco aftermarket Y162-PT keys can be used on model year 2000-mid year 2001 Sebring 2 door vehicles. After mid-year 2001 an original Chrysler key must be used.
4. The Chrysler Crossfire uses a key that Ilco does not produce. Security Professionals who wish to obtain and program these keys must purchase them from their local Chrysler dealership. Please be aware that the Crossfire is using a Mercedes based two-track key that must be cut on a high security machine.

IMMOBILIZER OVERRIDE INSTRUCTIONS FOR THE SEBRING 2 DOOR:
You will need to get the 4-digit Brake Override Code from the customer or the dealer. If the Brake Override code is not available then you will need to get the Immobilizer-ECU-8-digit serial number. The serial number is usually found in the glove box.

CHRYSLER (con't)

The 4-digit Brake Override Code can be retrieved from the Mitsubishi dealer computer screen called IMS Warranty Screen - Immobilizer Password Request screen once you have found the 8-digit Immobilizer-ECU serial number on the car.

1. Cut the correct mechanical cuts onto a temporary regular key blank.
2. Obtain the 4-digit brake code.
3. With the temporary key, turn the ignition switch to the ON position. The Security light will flash for 30 seconds and then stop.
4. Enter the first digit of the 4-digit brake code by pressing and releasing the brake pedal that number of times within 30 seconds. Pressing the brake pedal activates the brake light switch which records the code. Example: If the first digit is a 4, press and release the brake pedal 4 times within 4 second intervals. If the digit is a zero, just wait 30 seconds.

5. Check to make sure the Security light blinks 3 times. The blinking light verifies the first digit is stored in the Immobilizer-ECU.
6. Enter the 2nd, 3rd, and 4th digits of the immobilizer brake code by repeating the above steps for each digit. Be sure after each digit is entered that you confirm it is stored by observing the blinking Security light.
7. After completing the entry of the 4th digit into the ECU, the Security light will turn On. If the Security light just blinks then you entered an incorrect code.
8. While the Security light in On, turn the ignition switch to the ACC or OFF position and then back to the On position within seven seconds.
9. The vehicle can now be started 2 times with the non-transponder key. To start it more times, the brake code procedure must be repeated.
10. The TKO/SDD devices are able to program transponder keys on Chrysler models featuring the CCD-Type immobilizer.

DODGE

1. All Dodge vehicles in North America require a PIN number to be entered on the TKO's keypad before transponder keys can be added. This PIN number is not available through Kaba Ilco Corp. PIN numbers must be obtained through a certified Dodge dealership or through Cross-Country (Roadside assistance). Once the correct PIN number has been entered into the TKO, the user will be able to successfully originate new keys for these vehicles.
2. Some Dodge products contain a software glitch in which the ECU can be deactivated temporarily. TKO owners are able to identify this problem by connecting their TKO to the vehicle and beginning the programming cycle. If the TKO screen indicates "ECU Not Found" then the vehicle's software has been temporarily damaged. To fix this problem, simply remove the shroud from the ignition column and disconnect the black wire that leads to the black ECU box. Leave this wire disconnected for approximately five minutes and then re-connect it. This will allow the vehicle's ECU to "refresh" itself and repair the temporary glitch. After re-connecting the wire to the ECU, TKO owners can re-connect the TKO to the vehicle's OBDII port and go through the programming procedure. The user will then be able to successfully originate new keys for these vehicles.
3. The Dodge Stratus 2 door uses an immobilizer system that is different from other Chrysler products. It is in fact a Mitsubishi system. When originating new keys for these vehicles, TKO owners should be prepared to follow instructions similar to those used on Mitsubishi products. Users should also be aware that the PIN number required by these specific vehicles is 6876. . the Ilco aftermarket Y162-PT keys can be used on model year 2000-mid year 2001 Sebring 2 door vehicles. After mid-year 2001 an original Dodge key must be used.

IMMOBILIZER OVERRIDE INSTRUCTIONS FOR THE STRATUS 2 DOOR:
You will need to get the 4-digit Brake Override Code from the customer or the dealer. If the Brake Override code is not available then you will need to get the Immobilizer-ECU-8-digit serial number. The serial number is usually found in the glove box.

The 4-digit Brake Override Code can be retrieved from the Mitsubishi dealer computer screen call IMS Warranty Screen - Immobilizer Password Request screen once you have found the 8-digit Immobilizer-ECU serial number on the car.
1. Cut the correct mechanical cuts onto a temporary regular key blank.
2. Obtain the 4-digit brake code.
3. With the temporary key, turn the ignition switch to the ON position. The Security light will flash for 30 seconds and then stop.
4. Enter the first digit of the 4-digit brake code by pressing and releasing the brake pedal that number of times within 30 seconds. Pressing the brake pedal activates the brake light switch which records the code. Example: If the first digit is a 4, press and release the brake pedal 4 times within 4 second intervals. If the digit is a zero, just wait 30 seconds.
5. Check to make sure the Security light blinks 3 times. The blinking light verifies the first digit is stored in the Immobilizer-ECU.
6. Enter the 2nd, 3rd, and 4th digits of the immobilizer brake code by repeating the above steps for each digit. Be sure after each digit is entered that you confirm it is stored by observing the blinking Security light.
7. After completing the entry of the 4th digit into the ECU, the Security light will turn On. If the Security light just blinks then you entered an incorrect code.
8. While the Security light in On, turn the ignition switch to the ACC or OFF position and then back to the On position within seven seconds.
9. The vehicle can now be started 2 times with the non-transponder key. To start it more times, the brake code procedure must be repeated.
10. The TKO device can to program transponder keys on Dodge models featuring the CCD-type immobilizer.

EAGLE

1. The Eagle Vision vehicle requires a PIN number to be entered on the TKO's keypad before transponder keys can be added. This PIN number is not available through Kaba Ilco Corp. PIN numbers must be obtained through a certified Dodge dealership or through Cross-Country (Roadside assistance).

Once the correct PIN number has been entered into the TKO, the user will be able to successfully originate new keys for these vehicles.

FORD

1. The TKO tool will not originate keys for Ford vehicles equipped with PATS I modules. New transponder keys can be originated for these vehicles by using the Ilco On-Board Programming Method B. Please see below and refer to the TKO application chart for specific model listings.

Ford	Years	Module	Type
CONTOUR V6 LX	1997-1998	PATS	I
EXPEDITION	1997-1998	PATS	I
MUSTANG	1996	PATS	I
TAURUS LX	1996-1998	PATS	I

2. TKO owners who hear an audible buzzing sound coming from their TKO when the machine is connected to Ford vehicles should make sure that they are using the correct OBDII Ford cable. If the correct cable is being used and the buzzing persists, please contact the Ilco Technical Assistance department and request a new Ford OBDII cable.
3. TKO owners programming Ford USA vehicles should take note that several menu options may be available for certain Ford models.

For example, the Ford Excursion is listed in the following way:

* Excursion [1] (00-03)
* Excursion [2] (00-03)

While both options call for the same key blank and connection port, there is a difference. Option [1] should be used on PATS vehicles; users can distinguish these vehicles by their mechanical odometer. Option [2] should be used on HEC vehicles; users can distinguish these vehicles by their digital odometer. The Explorer, F150, F250, F350 and Windstar are also affected by the situation above.

4. TKO owners programming Ford keys for PATS, HEC, ICM, VIC or PCM equipped vehicles should always disconnect the TKO from the vehicle's OBDII port before trying to start the vehicle with the newly programmed keys.

HONDA

1. All Honda Preludes (1997-01) use a Type 1 Honda module. When originating new keys for a vehicle in which all existing keys have been lost, a new ECU must be installed. Once installed, TKO owners will be capable of originating new keys for these vehicles.
2. All Honda's using Type 2 or 3 modules can be programmed with the TKO and the D922876ZR OBDII cable. No additional hardware is required for these vehicles.
3. The 2003-04 Honda Accord is not compatible with the Ilco HO01-PT transponder key. These vehicles require the Honda original key available through Honda only. The original Honda key can be programmed with the TKO tool.
4. TKO owners must be aware that Ilco HD106-PT5 and HO01-PT5 keys cannot be added to Honda vehicles with the TKO, unless they are pre-coded by way of the RW2 device. This function is only available on the RW2 with version 23.0 software. Pre-coded Honda blanks; HD106-PT and HO01-PT are available from Ilco.

EMERGENCY START PROCEDURES FOR HONDA

1. Make a mechanical key that will work the ignition lock cylinder.
2. Have the customer get the "BRAKE CODE" from the dealer or Honda Customer Relations, you will need the Vehicle Identification Number. This is a five digit number code. Each car has a different "BRAKE CODE" since they are VIN specific.
3. Turn the ignition switch to the ON position (II).
4. Have the BRAKE CODE in front of you. To enter the first number of the BRAKE CODE, set and release the emergency brake the same number of times as the first number in the BRAKE CODE. For example, if the first number in the BRAKE CODE is a 2, set and release the emergency brake 2 times.
5. Turn the ignition switch to the OFF position (0).

6. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 2nd number in the BRAKE CODE.
7. Turn the ignition switch to the OFF position (0).
8. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 3rd number in the BRAKE CODE.
9. Turn the ignition switch to the OFF position (0).
10. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 4th number in the BRAKE CODE.
11. Turn the ignition switch to the OFF position (0).
12. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 5th number in the BRAKE CODE.
13. Turn the ignition switch to the OFF position (0).
14. After entering the 5th number, the Immobilizer Indicator light on the dash should flash 5 times and then shut off. The car should now start. This procedure must be repeated each time you turn off the car for more than 10 minutes.

EMERGENCY START PROCEDURES FOR HONDA (ACCORD, INSIGHT, ODYSSEY & S2000)

1. Make a mechanical key that will work the ignition lock cylinder.
2. Have the customer get the "IMMOBILIZER BRAKE CODE" from the dealer or Honda Customer Relations, you will need the Vehicle Identification Number. This is a five digit number code. Each car has a different "BRAKE CODE" since they are VIN specific.
3. Turn the ignition switch to the ON position (II).
4. Have the BRAKE CODE in front of you. To enter the first number of the BRAKE CODE, press and

HONDA (con't)

release the brake pedal the same number of times as the first number in the BRAKE CODE. For example if the first number in the BRAKE CODE is a 2, press and release the brake pedal 2 times.
5. Turn the ignition switch to the LOCK position.
6. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 2nd number in the BRAKE CODE.
7. Turn the ignition switch to the LOCK position.
8. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 3rd number in the BRAKE CODE.
9. Turn the ignition switch to the LOCK position.
10. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 4th number in the BRAKE CODE.
11. Turn the ignition switch to the LOCK position.
12. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 5th number in the BRAKE CODE.
13. Turn the ignition switch to the LOCK position.
14. After entering the 5th number, the Immobilizer Indicator light on the dash should flash 5 times and then shut off. The car should now start. This procedure must be repeated each time you turn off the car for more than 10 minutes.

EMERGENCY START PROCEDURE (2001 CIVIC)
1. Make a mechanical key that will work the ignition lock cylinder.
2. Have the customer get the "BRAKE CODE" from the dealer or Honda Customer Relations, you will need the Vehicle Identification Number. This is a five digit number code. Each car has a different "BRAKE CODE" since they are VIN specific.
3. Turn the ignition switch to the ON position (II).
4. Have the BRAKE CODE in front of you. To enter the first number of the BRAKE CODE, set and release the emergency brake the same number of times as the first number in the BRAKE CODE. For example if the first number in the BRAKE CODE is a 2, set and release the emergency brake 2 times.
5. Turn the ignition switch to the OFF position (0).
6. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 2nd number in the BRAKE CODE.
7. Turn the ignition switch to the OFF position (0).
8. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 3rd number in the BRAKE CODE.
9. Turn the ignition switch to the OFF position (0).
10. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 4th number in the BRAKE CODE.
11. Turn the ignition switch to the OFF position (0).
12. Within 30 seconds, turn the ignition switch to the ON position (II) and enter the 5th number in the BRAKE CODE.
13. Turn the ignition switch to the OFF position (0).
14. After entering the 5th number, the Immobilizer Indicator light on the dash should flash 5 times and then shut off. The car should not start. This procedure must be repeated each time you turn off the car for more than 10 minutes.

INFINITI

1. Infiniti products in North America use two different software versions, 2.0 on earlier models and 5.0 on later models. The TKO is capable of programming both kinds of vehicles.
2. When programming vehicles that require the use of a non-OBDII cable (D723513ZB) TKO users must be sure that they connect their TKO to the gray diagnostic port on the vehicle. This port is shaped differently from the white OBDII port and can typically be found to the left of the drivers left shin. These Infiniti vehicles do not require the use of a PIN number. When originating keys for these vehicles, please select the Nissan Maxima 99-00 option from the Nissan USA menu.
3. When programming vehicles that require the use of the Nissan Adapter (D724649ZB) users must be sure that they connect their TKO to the white OBDII diagnostic port on the vehicle. The adapter must be used in conjunction with the standard OBDII cable (D922876ZR). These Infiniti vehicles do not require the use of a PIN number. When originating keys for these vehicles, please select the Nissan Altima 00 option from the Nissan USA menu.
4. When programming vehicles that require the use of the standard OBDII cable (D922876ZR) only, users must be sure that they connect their TKO to the white OBDII diagnostic port on the vehicle. These Infiniti vehicles require the use of the 5523 PIN number. When originating keys for these vehicles, please select the Nissan Maxima 00-02 option from the Nissan USA menu.
5. 2004 Infiniti vehicles can be programmed with the TKO device, however the 5523 PIN number is no longer valid. This PIN number is now vehicle specific and must be obtained using the Nissan BCM update.
6. TKO owners must be aware that when adding new Transponder keys to Infiniti vehicles, all existing keys must also be present for programming. If a customer requires a new key to be added to their vehicle, and they already have three keys programmed to that vehicle, all four keys must be present when the locksmith begins programming. If the three original keys are not presented along with the new key, they will be eliminated from the car's memory and replaced by only the new key. All three keys can be re-programmed and accepted by the vehicle at a later date.

JAGUAR

1. Jaguar S type vehicles can be programmed using the TKO device. The Ilco aftermarket keys cannot be used in conjunction with these vehicles; original Jaguar keys must be used.

JEEP

1. All Jeep vehicles in North America require a PIN number to be entered on the TKO's keypad before transponder keys can be added. This PIN number is not available through Kaba Ilco Corp. PIN numbers must be obtained through a certified Jeep dealership or through Cross-Country (Roadside assistance). Once the correct PIN number has been entered into the TKO, the user will be able to successfully originate new keys for these vehicles.

2. Some Jeep products contain a software glitch in which the ECU can be deactivated temporarily. TKO owners are able to identify this problem by connecting their TKO to the vehicle and beginning the programming cycle. If the TKO screen indicates "ECU Not Found" then the vehicle's software has been temporarily damaged. To fix this problem, simply remove the shroud from the ignition column and disconnect the black wire that leads to the black ECU box. Leave this wire disconnected for approximately five minutes and then re-connect it. This will allow the vehicle's ECU to "refresh" itself and repair the temporary glitch. After re-connecting the wire to the ECU, TKO owners can re-connect the TKO to the vehicle's OBDII port and go through the programming procedure. The user will then be able to successfully originate new keys for these vehicles.

3. The TKO device can program transponder keys on Jeep models featuring the CCD-type immobilizer.

LINCOLN

1. The TKO tool will not originate keys for Lincoln vehicles equipped with PATS I modules. New transponder keys can be originated for these vehicles by using the Ilco On-Board Programming Method B. Please refer to the TKO application chart for specific model listings.

Lincoln	Years	Module	Type
NAVIGATOR	1998	PATS	I

2. TKO owners who hear an audible buzzing sound coming from their TKO when the machine is connected to Lincoln vehicles should make sure that they are using the correct OBDII Ford cable. If the correct cable is being used and the buzzing persists, please contact the Ilco Technical Assistance department and request a new Ford OBDII cable.

3. TKO owners programming Lincoln vehicles should take note that several menu options may be available for certain Lincoln models.
For example, the Lincoln Continental is listed in the following way:

* Continental [1] (98-01)
* Continental [2] (98-01)

While both options call for the same key blank and connection port, there is a difference. Option [1] should be used on PATS vehicles; users can distinguish these vehicles by their mechanical odometer. Option [2] should be used on HEC vehicles; users can distinguish these vehicles by their digital odometer. The Navigator & Town Car is also affected by the situation above.

4. TKO owners programming Lincoln keys for PATS, HEC, ICM, VIC or PCM equipped vehicles should always disconnect the TKO from the vehicle's OBDII port before trying to start the vehicle with the newly programmed keys.

5. TKO owners programming Lincoln keys for PATS, HEC, ICM, VIC or PCM equipped vehicles should always disconnect the TKO from the vehicle's OBDII port before trying to start the vehicle with the newly programmed keys.

6. The TKO is not capable of programming the Lincoln Mark 8 vehicle.

MAZDA

1. The TKO is capable of programming all Mazda vehicles that are equipped with Ford transponder systems.

2. TKO owners who hear an audible buzzing sound coming from their TKO when the machine is connected to Mazda vehicles should make sure that they are using the correct OBDII Ford cable. If the correct cable is being used and the buzzing persists, please contact the Ilco Technical Assistance department and request a new Ford OBDII cable.

3. TKO owners programming Mazda keys for PATS or PCM equipped vehicles should always disconnect the TKO from the vehicle's OBDII port before trying to start the vehicle with the newly programmed keys.

MERCURY

1. The TKO tool will not originate keys for Mercury vehicles equipped with PATS I modules. New transponder keys can be originated for these vehicles by using the Ilco On-Board Programming Method B. Please refer to the TKO application chart for specific model listings.

Mercury	Years	Module	Type
COUGAR	1997-1998	PATS	I
SABLE	1996-1997	PATS	I
MYSTIQUE	1997-1998	PATS	I

2. TKO owners who hear an audible buzzing sound coming from their TKO when the machine is connected to Mercury vehicles should make sure that they are using the correct OBDII Ford cable. If the correct cable is being used and the buzzing persists, please contact the Ilco Technical Assistance department and request a new Ford OBDII cable.

3. TKO owners programming Mercury vehicles should take note that several menu options may be available for certain Mercury models.
For example, the Mercury Grand Marquis is listed in the following way:

* GR. Marquis [1] (98-02)
* GR. Marquis [2] (98-02)

While both options call for the same key blank and connection port, there is a difference. Option [1] should be used on PATS vehicles; users can distinguish these vehicles by their mechanical odometer. Option [2] should be used on HEC vehicles; users can distinguish these vehicles by their digital odometer.

4. TKO owners programming Mercury keys for PATS, HEC, ICM, VIC or PCM equipped vehicles should always disconnect the TKO from the vehicle's OBDII port before trying to start the vehicle with the newly programmed keys.

MITSUBISHI

1. The SDD is capable of programming all Mitsubishi vehicles as long as the Mitsubishi adapter (D725061ZB) is used in conjunction with the standard OBDII cable (D922876ZR).
2. Mitsubishi vehicles require PIN numbers. These PIN numbers are specific to each model. For example, all Mitsubishi Montero vehicles use the PIN number 5176. Please refer to the TKO application chart for additional PIN number information.
3. TKO owners programming Mitsubishi vehicles need to be aware that the Ilco aftermarket MIT8 & MIT9 key blanks can only be programmed to model year 2000-mid year 2001 Mitsubishi products. Original Mitsubishi blanks must be used on vehicles manufactured after midyear 2001.
4. Over the course of the last few years, Mitsubishi Motor Company has used several different variations of the same Transponder key on their North American vehicles. While these key blanks look exactly the same their transponder chips differ slightly. TKO owners should always use the most current key when programming Mitsubishi vehicles, please make sure that each original Mitsubishi key purchased has a "N" stamped on the blade. "N" keys are the most current Mitsubishi keys. (Model year 2003 +)
5. TKO owners must be aware that when adding new Transponder keys to Mitsubishi vehicles, all existing keys must also be present for programming. If a customer requires a new key to be added to their vehicle, and they already have three keys programmed to that vehicle, all four keys must be present when the locksmith begins programming. If the three original keys are not presented along with the new key, they will be eliminated from the car's memory and replaced by only the new key. All three keys can be re-programmed and accepted by the vehicle at a later date.

IMMOBILIZER OVERRIDE

IMPORTANT NOTE: The Immobilizer Override feature is not available on 2000 model year Montero Sport ES or LS vehicles unless the vehicle is equipped with the factory installed keyless entry/security system. Dealer installed systems will not work.

You will need to get the 4 digit Brake Override Code from the customer or the dealer. If the Brake Override code is not available then you will need to get the Immobilizer-ECU 8-digit serial number. The serial number is found in various locations depending on the model.

> Eclipse & Galant - Serial number tag is found in the glove box.
> Diamante - Serial number tag is on the driver's side trunk lid hinge bar
> Montero Sport - Serial number tag is on the front of the driver's side "B" pillar.

The 4-digit Brake Override Code can be retrieved from the Mitsubishi dealer computer screen called IMS Warrant Screen - Immobilizer Password Request screen once you have found the 8-digit Immobilizer-ECU serial number on the car.

1. Cut the correct mechanical cuts onto a temporary regular key blank.
2. Obtain the 4-digit brake code.
3. With the temporary key, turn the ignition switch to the ON position. The Security light will flash for 30 seconds and then stop.
4. Enter the first digit of the 4-digit brake code by pressing and releasing the brake pedal that number of times with 30 seconds. Pressing the brake pedal activates the brake light switch which records the code. Example: If the first digit is a 4, press and release the brake pedal 4 times with 5 second intervals. If the digit is a zero, just wait 30 seconds.
5. Check to make sure the Security light blinks 3 times. The blinking light verifies the first digit is stored in the Immobilizer-ECU.
6. Enter the 2nd, 3rd, and 4th digits of the Immobilizer brake code by repeating the above steps for each digit. Be sure after each digit is entered that you confirm it is stored by observing the blinking Security light.
7. After completing the entry of the 4th digit into the ECU, the Security light will turn On. If the Security light just blinks then you centered an incorrect code.
8. While the Security light in On, turn the ignition switch to the ACC or OFF position and then back to the On position within seven seconds.
9. The vehicle can now be started 2 times with the non-transponder key. To start it more times, the brake code procedure must be repeated.

NISSAN

1. Nissan products in this country use two different software versions. 2.0 on earlier models and 5.0 on later models. The TKO is capable of programming both kinds of vehicles.
2. When programming vehicles that require the use of a non-OBDII cable (D723513ZB) TKO users must be sure that they connect their TKO to the gray diagnostic port on the vehicle. This port is shaped differently from the white OBDII port and can typically be found to the left of the driver's left shin. These Nissan vehicles do not require the use of a PIN number.
3. When programming vehicles that require the use of the Nissan Adapter (D724649ZB) users must be sure that they connect their SDD to the white OBDII diagnostic port on the vehicle. The adapter must be used in conjunction with the standard OBDII cable (D922876ZR). These Nissan vehicles do not require the use of a PIN number.
4. When programming vehicles that require the use of the standard OBDII cable (D922876ZR) only, users must be sure that they connect their TKO device to the white OBDII diagnostic port on the vehicle. These Nissan vehicles require the use of the 5523 PIN number.
5. 2004 Nissan vehicles can be programmed with the TKO device, and the 5-digit pin number can be retrieved from BCM module. This PIN number is now vehicle specific and must be obtained from the Nissan dealership. The Ilco aftermarket key blanks must be replaced with original Nissan keys for use with these new vehicles.
6. TKO owners must be aware that when adding new Transponder keys to Nissan vehicles, all existing keys must also be present for programming. If a customer requires a new key to be added to their vehicle, and they already have three keys programmed to that vehicle, all four keys must be present when the locksmith begins programming. If the three original keys are not presented along with the new key, they will be eliminated from the car's memory and replaced by only the new key. All three keys can be re-programmed and accepted by the vehicle at a later date.

PLYMOUTH

1. All Plymouth vehicles in North America require a PIN number to be entered on the TKO keypad before Transponder keys can be added. This PIN number is not available through KABA Ilco Corp. PIN numbers must be obtained through a certified Chrysler or Dodge dealership or through Cross-Country (Roadside assistance). Once the correct PIN number has been entered into the TKO, the user will be able to originate new keys for Plymouth vehicles.
2. Some Plymouth vehicles contain a software glitch in which the ECU can be deactivated temporarily. TKO owners are able to identify this problem by connecting their TKO to the vehicle and beginning the programming cycle. If the TKO screen indicates "ECU Not Found" then the vehicle's software has been temporarily damaged. To fix this problem, simply remove the shroud from the ignition column and disconnect the black wire that leads to the black ECU box. Leave this wire disconnected for approximately five minutes and then re-connect it. This will allow the vehicle's ECU to "refresh" itself and repair the temporary glitch. After re-connecting the wire to the ECU, TKO owners can re-connect the TKO to the vehicle's OBDII port and go through the programming procedure. The user will then be able to successfully originate new keys for these vehicles.

VOLKSWAGEN

1. TKO owners who wish to originate new Volkswagen keys using their TKO device must be aware that Volkswagen vehicles require a four-digit PIN number. This PIN number must be entered into the TKO using its keypad. PIN numbers are not available through Kaba Ilco Corp. PIN numbers must be obtained through a certified Volkswagen dealership. TKO owners will need to provide the dealership with the vehicle's VIN number and Immobilizer number. The VIN number can be found on the vehicle's dashboard while the immobilizer number can be retrieved by using the TKOs' "Read Immobilizer ID" function. Using these two pieces of information, a Volkswagen dealership can retrieve the vehicles PIN number from their on-line system.
2. Please be aware that these PIN number change daily. Users must be certain that the PIN number is used on the same day that the dealer provides it.
3. For all 2000-2001 VW Golf, VW Jetta, and Audi A6, the TKO device will retrieve the pin code from ECU.
4. TKO owners must be aware that when adding new Transponder keys to Volkswagen vehicles, all existing keys must also be present for programming. If a customer requires a new key to be added to their vehicle, and they already have three keys programmed to that vehicle, all four keys must be present when the locksmith begins programming. If the three original keys are not presented along with the new key, they will be eliminated from the car's memory and replaced by only the new key. All three keys can be re-programmed and accepted by the vehicle at a later date.

EMERGENCY START PROCEDURE
Important facts to remember:
- You can make 3 attempts to enter the secret number before you will be locked out for 10 minutes.
- The waiting time for each set of attempts doubles and the trip odometer counter will display the word "FAIL".
- You cannot wait longer than 30 seconds to move from one step to the next during the input of the Secret Code.
- The Emergency Start Function will deactivate if the vehicle has been shut off & key removed for more than 5 minutes.
- The Emergency Start Function will stay active for 45 minutes with the vehicle shut off as long as you do not remove the ignition key from the ignition lock.

1. Customer must have "Secret Number" (pin code) or a dealer device known as the VAG will have to be hooked up to the vehicle.
2. A non-transponder key with the correct mechanical cuts will have to be made.
3. Insert key into the ignition and turn the switch to the "Run" position.
4. Twist the setting knob for the Clock, which is located on the instrument cluster, in the clockwise direction while at the same time pressing the reset button for the Trip Odometer counter.
5. The Odometer counter should have all zero's and the first zero should be blinking.
6. To set the first number, press the reset button for the trip odometer until the first number of your Secret Code appears. So if the first number is a 7, then the odometer counter should read "7000".
7. Twist the setting knob for the Clock to advance to the next digit and enter that digit by pressing the reset button of the trip odometer counter.
8. Once you have entered all the secret numbers, twist the setting knob for the Clock in the clockwise direction while at the same time pressing the reset button for the Trip Odometer Counter.
9. If the Secret Number was entered correctly, the trip odometer counter will display the trip mileage again, as before you started and the warning light for the anti-theft immobilizer stays lit.
10. Turn the ignition switch to the OFF position and then back to the ON position.

QUICK TECHNICAL TIPS

ALL VEHICLES

- The message "`ECU NOT FOUND`" indicates that the operator should use a jump box to increase the battery power and check the fuses.
- An aftermarket alarm and/or remote car starter must be disabled before originating keys for any vehicle.
- Vehicles that have "front end" damage due to an accident may require repair or replacement to the sensors in order for the communication to work between the vehicle and the TKO.
- Should the TKO not power up from the vehicle's port, check for a blown fuse or a bent pin in the vehicle's diagnostic port.
- To determine the most accurate vehicle model year, check the tenth digit (from the left) of the VIN number. See the reference chart below for the 10th digit by corresponding year.
  (Example:1N4AL11D45C171798)
  The 5 is the 10th digit indicating that this is a 2005 model year.

R=1994	T=1996	W=1998	Y=2000	2=2002	4=2004	6=2006	8=2008	A=2010	C=2012
S=1995	V=1997	X=1999	1=2001	3=2003	5=2005	7=2007	9=2009	B=2011	D=2013

ACURA

MDX

- The error message "`ECU NOT FOUND`" indicates that the operator should use a jump box on the battery to increase the battery power and check the fuses.
- If error message "`ECU NOT FOUND`" appears in the middle of programming vehicle, run using Pilot and Element (this could be a ULEV vehicle).

CL

- This vehicle can also be programmed using menu selection Accord type 2 or Accord ULEV.
- Remove the ashtray to access the OBDII port that is located under the rubber flap.

TL

- 2006 Acura TL utilizes the menu option for Element, Pilot, Civic, or Civic Hybrid.

NOTE: An Acura CL or Acura TL that has a 3.5L engine is a Type 1 Honda/Acura product. When all existing keys have been lost, a new ECU must be installed. Once installed, the TKO will be capable of originating new keys for these vehicles.

AUDI

B

- A "`SYSTEM UNKNOWN`" message indicates that the vehicle has a Robert Bosch system and the TKO will not program or originate.

A6

- When receiving the "`ECU DISCONECTED`" message, run using A4

CADILLAC

Catera

- Generate a code using the RW3, RW4 or RW4 Plus onto a HU46T2 key blank before adding this key to the vehicle using the TKO.

CHRYSLER

- When receiving the message "`INVALID PIN`", the ECU may be locked. Insert key into ignition, turn to the "ON" position for one hour. This will unlock the ECU and allow programming.
- Chrysler vehicles from 1998-2004: When receiving the message, "`PLEASE WAIT CONNECTING`" during programming and the TKO will not proceed, the vehicle is running a CCD system. To program these vehicles, use the 00 cable and run using any CCD heading under Chrysler, Dodge, or Jeep. If using the SDD, use the 00 cable and the CCD adpater, then run under and CCD model.
- For a CAN system using keys with a remote in the head, the key and the remote will program simultaneously.

Where the "TKO" is referenced, you may utilize the "SDD" (a predecessor to the TKO). Although owners are encouraged to upgrade, Ilco continues to support he SDD.

300
- 2004-2006 vehicles that use keys with remote in the head, the key and the remote will be programmed.

Sebring (2 Dr.)
- Run under Mitsubishi (USA) Eclipse.

DODGE
- Chrysler vehicles from 1998-2004: When receiving the message, "$PLEASE$ $WAIT$ $CONNECTING$" during programming and the TKO will not proceed, the vehicle is running a CCD system. To program these vehicles, use the 00 cable and run using any CCD heading under Chrysler, Dodge, or Jeep. If using the SD, use the 00 cable and the CCD adpater, then run under and CCD model.
- For a CAN system using keys with a remote in the head, the key and the remote will program simultaneously.

Durango
- On 2004 vehicles, the operator must use the 0575786AA remote head key. The tan head key will not work for this model year.

Neon
- 2006 Neon - run CAN 2 system.

Stratus (2 Dr.)
- Run under Mitsubishi (USA) Eclipse.

FORD
- When all keys have been erased on any Ford vehicle (except PATS1), 2 new keys must be added back to the vehicle by the operator.
- Ford vehicles that are running the original Pats system must use the On Board Programming procedure to add new keys.

Contour V6
- Runs original Pats system and must be programmed using On Board Programming procedure "B".

Crown Victoria
- 2005-Present vehicles – Run Can system.
- 2003-2004 vehicles – Run PCM system.
- 1998-2002 vehicles
  - a. digital odometer - **HEC system**
  - b. analog odometer - **PATS 2 system**
  - c. completely digital dashboard - **ICM system**

Expedition
1998 vehicles
  - a. digital odometer - HEC system
  - b. analog odometer - Pats 2 system. If the security light is off within 3-4 minutes, it's the correct system.
  - c. security light remains on - Pats 1 system and must be programmed using On Board Programming

Explorer SportTrac
- Ford has utilized multiple security systems on the Sport-Trac. If you notice the Security Access Procedure counting slowly or in multiples other than 1, try another Ford system.

Escape
- 2005 vehicles - PCM system, use the H86-PT key blank.
- 2007 Ford Escape - Escape (CAN).

Where the "TKO" is referenced, you may utilize the "SDD" (a predecessor to the TKO). Although owners are encouraged to upgrade, Ilco continues to support he SDD.

Focus
- 2.3 liter (only) Focus model uses the 00 cable and CAN system.

F150, F250, F350
- 1999-2000
    - a. digital odometer - **HEC system**
    - b. analog odometer - **PATS 2 system**

Ranger
- 2001-2006 vehicles - PCM system. PCM is not listed as a menu option for Ford Ranger, run using any Ford model listing PCM.
- 2007 vehicles - CAN system. Run using any Ford model listing CAN.

Taurus
- 1998 & 1999 vehicles – non-transponder system.
- 2004-2007 vehicles-Run Ford CAN system.

HONDA

Accord
- Should vehicle not accept new keys, run using Accord ULEV.

Civic
- Should message "MUST HAVE PRE-PROGRAMMED KEY" occur, erase keys before adding new keys.

Pilot
- Should the key not program, run using Element or Civic.

Prelude
- A master key and the red learning key are required to program a new key. If these keys are not available, the module must be replaced or re-flashed.

INFINITI

- For and Infiniti usng the NSN11T2, generate a code using the RW3, RW4 or RW4 Plus onto the NSN11T2 key blank before adding this key to the vehicle using the TKO.

QX56
- Run Nissan Murano. Obtain the code for pin conversion by locating the BCM module under the dash, to the right of the steering column and above the gas pedal.

Q45
- 2003-Present vehicles - The module is in a difficult location as it is behind the driver's side lower dash unit. Unsnap the plastic trim on the front of the ignition. Remove the single Phillips screw. Remove the two 10mm bolts for the hood release. The lower dash assembly is now held together by snap clips. Use care when unsnapping these clips.
- Located behind the dash cover is a group of modules. Look for the small black module. Remove three 10mm bolts that hold the brackets for the modules in order to see the 5 digit code. The code is the 5 digits above the bar code.

M45
- The module is in a difficult location as it is behind the driver's side lower dash unit. Unsnap the plastic trim on the front of the ignition. Remove the single Phillips screw. Remove the two 10mm bolts for the hood release. The lower dash assembly is now held together by snap clips. Use care when unsnapping these clips.
- Located behind the dash cover is a group of modules. Look for the small black module. Remove three 10mm bolts that hold the brackets for the modules in order to see the 5 digit code. The code is the 5 digits above the bar code.

Where the "TKO" is referenced, you may utilize the "SDD" (a predecessor to the TKO). Although owners are encouraged to upgrade, Ilco continues to support he SDD.

G35
- Run Nissan Murano. The module is located on the driver's side kick panel next to fuse panel. The 5digit code is beside the bar code.

FX35/FX45
- Run Nissan Murano. The module is located on the driver's side kick panel next to fuse panel. The 5 digit code is locate on the same line that reads "SAEJ1690".

JEEP
- Chrysler vehicles from 1998-2004: When receiving the message, "$PLEASE\ WAIT\ CONNECTING$" during programming and the TKO will not proceed, the vehicle is running a CCD system. To program these vehicles, use the 00 cable and run using any CCD heading under Chrysler, Dodge, or Jeep. If using the SDD, use 00 cable and the CCD adapter, then run under any CCD model.

Rubicon
- Rubicon is not available on menu selection. Run Wrangler.

LEXUS
- After resetting the immobilizer on a Lexus vehicle, generate a new master key. To generate, insert a key blank into ignition and turn from the OFF position to ON position 5 times. Remove the key from the ignition, reinsert the same key back into the ignition, and start the car. The new master key has now been generated.

ES300
- 2002-Present vehicles - The immobilizer can only be reset when all keys are lost.
- 1998-2001 vehicles – The ECU module must be re-flashed when all keys are lost.

ES330
- The immobilizer can only be reset when all keys are lost.

GS300
- 2003-Present vehicles – The immobilizer can only be reset when all keys are lost.
- 1998-2001vehicles – The ECU module must be re-flashed when all keys are lost.

GS400
- 2001-Present vehicles – The immobilizer can only be reset when all keys are lost.
- 1998-2000 vehicles - The ECU module must be re-flashed when all keys are lost.

GX470
- 2001-Present vehicles - The immobilizer can only be reset when all keys are lost.
- 1998-2000 vehicles- The ECU module must be re-flashed when all keys are lost.

IS300
- 2002-Present vehicles- The immobilizer can only be reset when all keys are lost.
- 2001 vehicles- The ECU module must be re-flashed when all keys are lost.

LS400
- 2001-Present vehicles - The immobilizer can only be reset when all keys are lost.
- 1997-2000 vehicles - The ECU module must be re-flashed when all keys are lost.

LS430
- The Immobilizer can only be reset when all keys are lost.

Where the "TKO" is referenced, you may utilize the "SDD" (a predecessor to the TKO). Although owners are encouraged to upgrade, Ilco continues to support he SDD.

LX470
- 2001-Present vehicles - The immobilizer can only be reset when all keys are lost.
- 1998-2000 vehicles - The ECU module must be re-flashed when all keys are lost.

RX300
- 2004-Present vehicles - The immobilizer can only be reset when all keys are lost.
- 1999-2003 vehicles - The ECU module must be re-flashed when all keys are lost.

SC300/SC400
- 2001-Present immobilizer can only be reset when all keys are lost.
- 1998-2000 vehicles – The ECU module must be re-flashed when all keys are lost.

SC430
- The Immobilizer can only be reset when all keys are lost.

LINCOLN
- When all keys are erased on a Lincoln vehicle, 2 new keys must be added back to the vehicle for keys to work.
- Lincoln vehicles running the original Pats system, use On Board Programming to add new keys.

Town Car
- 1999
    - a. digital odometer - **HEC system**
    - b. analog odometer - **PATS 2 system**
    - c. completely digital dashboard - **ICM system**

MAZDA
- Some Mazda vehicles are run using Ford security systems
- When all keys are erased on a Mazda vehicle, 2 new keys must be added back to the vehicle by the operator.
- Mazda Can vehicles require an outcout/incode conversion. Mazda InCodes can be obtained thru NASTF, Mazda Dealer or by calling Ilco Tech Support.

MERCURY
- When all keys are erased on a Mercury vehicle, 2 new keys must be added back to the vehicle by the operator.
- Mercury vehicles running the original Pats system use On Board Programming to add new keys.

MITSUBISHI
- When receiving an "INVALID PIN" error message, make sure that the selection is Mitsubishi (USA), not the Mitsubishi menu selection.

Diamante
- A "NO LOADED KEY" error message indicates that an OEM key blank is being used. This will cause the computer to lock up on the vehicle. Disconnect TKO, try to start the car and let key spring back. DO NOT turn key off. Let sit for a minute, and plug the TKO in and restart.

NISSAN
- Some 2004 Nissan models require new BCM conversion. If the current BCM conversion results with the message "INVALID PIN", contact a Nissan Dealer for new BCM conversion.
- For any Nissan using the NSN11T2, generate a code using the RW3, RW4 or RW4 Plus onto the NSN11T2 key blank before adding this key to the vehicle using the TKO.

Where the "TKO" is referenced, you may utilize the "SDD" (a predecessor to the TKO). Although owners are encouraged to upgrade, Ilco continues to support he SDD.

Altima
- The module is located behind the fuse panel. Remove the module from its brackets to obtain the 5 digit code which is located on the back. The 5 digit code is above the bar code.

Armada
- The module is located under the dash and to the right of the steering column. The 5 digit code is located next to the bar code.

Maxima
- 1999-2000 vehicles- The old style diagnostic port is located in the fuse panel. use the Old Style Nissan cable regardless if an OBDII port is on the car.
- When using the Old Style Nissan cable, power will be lost when the key is turned off. However, the car remains in programming mode for an additional 45-50 seconds. Proceed with adding additional keys as quickly as possible and the car will accept them while still in the programming mode.
- 2004-Present vehicles – The module is located behind the fuse panel. It is not necessary to remove the module in order to read the 5 digit code. A mirror and flashlight can be used to view the code. The 5 digit code is on the bottom line along with "SAE J1690".

Sentra
- Most models have optional transponder systems.

Quest
- The module is located under the storage compartment on the driver's side of the dash. Remove the screws securing the storage compartment. Next, remove the compartment that is now being held by pressure clips. The module is located under the white module that you will see once the compartment has been removed. Lift the white module to see the BCM. The 5 digit code is on the sticker next to the bar code.

Pathfinder
- 1999-2000 vehicles- The old style diagnostic port is located in the fuse panel. Use the Old style Nissan cable regardless if an OBDII port is on the car.
- When using the Old Style Nissan cable, power will be lost when the key is turned off. However, the car remains in programming mode for an additional 45-50 seconds. Proceed with adding additional keys as quickly as possible and the car will accept them while still in the programming mode.
- 2005-2006 vehicles- The module is located under the dash, to the right of the steering column.

Murano
- The module is located under the dash, to the right of the steering column. The 5 digit code is next to the bar code.

Frontier
- Run Murano, using the NI04T key blank. The BCM is located above the brake pedal, next to the steering column.

Titan
- The module is located under the dash, to the right of the steering column. The 5 digit code is next to the bar code.

X-Terra
- 2005-2006 vehicles – The module is located under the dash, to the left of the steering column near the ignition.

350-Z
- The module is located on the inside driver's side kick panel next to fuse panel. The 5 digit code is next to the bar code.

TOYOTA
- After resetting the immobilizer on a Toyota, generate a new master key. To generate a master key, insert the key blank into ignition and turn from the OFF position to the ON position 5 times. Remove the key from the ignition and reinsert the same key back into the ignition and start the car. A new master key has now been generated.

4-Runner
- 1998-2000 vehicles-The ECU module must be re-flashed when all keys are lost.
- 2001-2009 vehicles –The Immobilizer can be reset when all keys are lost.

Where the "TKO" is referenced, you may utilize the "SDD" (a predecessor to the TKO). Although owners are encouraged to upgrade, Ilco continues to support he SDD.

Camry
- 1998-2001 vehicles –The ECU module must be re-flashed when all keys are lost.
- 2002-Present vehicles – The immobilizer can be reset when all keys are lost.

Highlander (6 cylinder only)
- 2001-2003 vehicles – The ECU module must be re-flashed when all keys are lost.
- 2004-Present Vehicles – The immobilizer can be reset when all keys are lost.

Land Cruiser
- 1998-2000 vehicles - The ECU module must be re-flashed when all keys are lost.
- 2001-Present vehicles - The immobilizer can be reset when all keys are lost.

Prius
- 2001-2003 vehicles-The ECU module must be re-flashed when all keys are lost.
- 2004-Present vehicles -The immobilizer can be reset when all keys are lost.

Solara
- 1998-2001 vehicles-The ECU module must be re-flashed when all keys are lost.
- 2002-2003 (4-Cylinder) vehicles-The immobilizer can be reset when all keys are lost.
- 2002-2003 (6-Cylinder) vehicles-The immobilizer vehicles ECU module must be re-flashed when all keys are lost.

Sequoia
- 2003-2007 vehicles-The immobilizer vehicles ECU module must be re-flashed when all keys are lost.

Sienna
- 1999-2003 vehicles -The ECU module must be re-flashed when all keys are lost.
- 2004-Present -The immobilizer can be reset when all keys are lost.

VOLKSWAGEN

Beetle
- Pin number can not be retrieved with the TKO.

Passat
- When receiving all (0's or F's) for a pin number, check the vehicle's dash for a blinking red light. If there is not a blinking red light, restart the vehicle. The vehicle does not have a transponder system. When a blinking red light is present, the vehicle has a transponder system with an aftermarket radio. Unplug the A-Line from the back of the radio in order to program the key.

Cabrio
- Pin number can not be retrieved with theTKO.

Where the "TKO" is referenced, you may utilize the "SDD" (a predecessor to the TKO). Although owners are encouraged to upgrade, Ilco continues to support he SDD.

TROUBLE-SHOOTING

TKO will not power up.

1. First make sure that the correct cable is plugged in and that the vehicle has power.
2. Check the fuse for the vehicle OBD port.
3. Make sure the battery is fully charged with 12 volts.
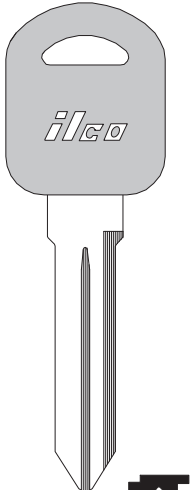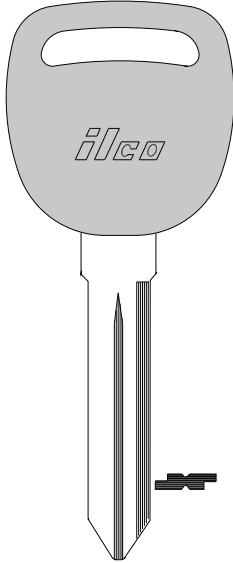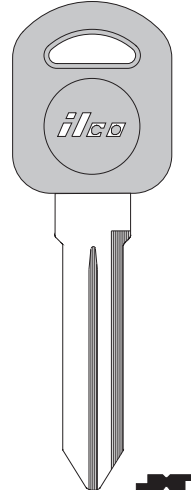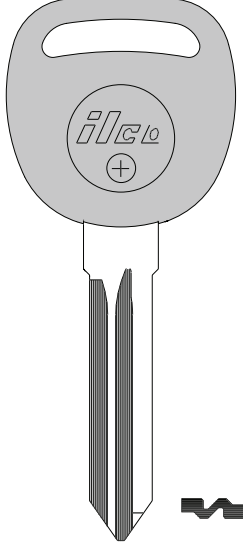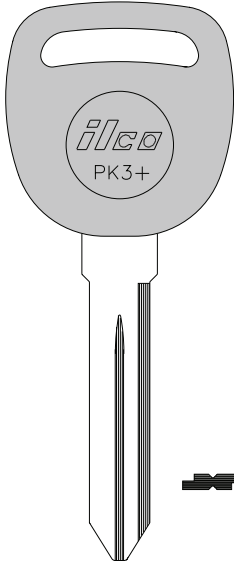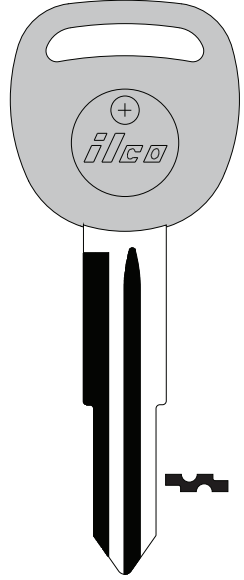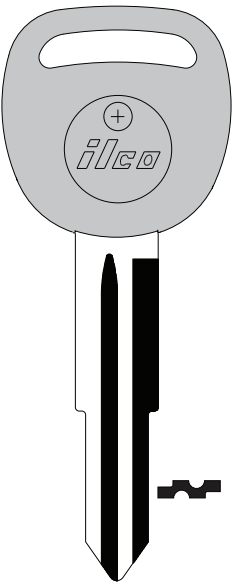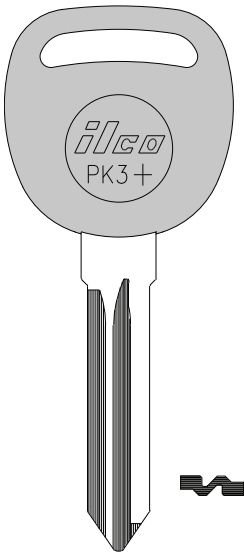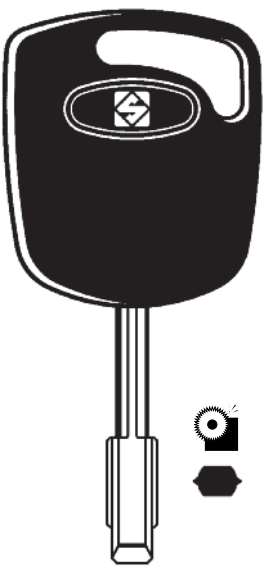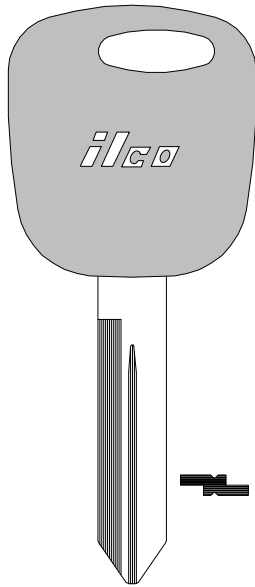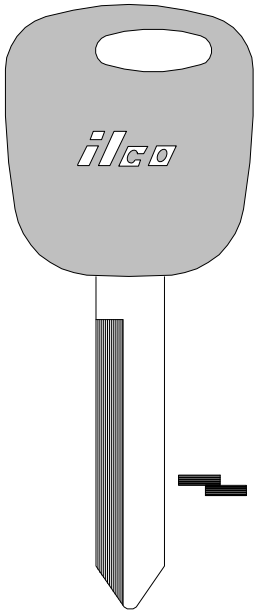
Keys will not program.

1. Make sure the correct key and cable is being used.   (Refer to your TKO Application Guide)
2. If a PT5 blank is being used make sure that a code is generated on this blank by using the RW2 Ver. 23.
3. Check for alarms, kill switches and after market remote car starters.
4. If vehicle was unlocked with a locksmith tool, re-lock vehicle then, unlock to reset the factory system.
5. Check whether vehicle has recently been without power (ie dead or disconnected battery)
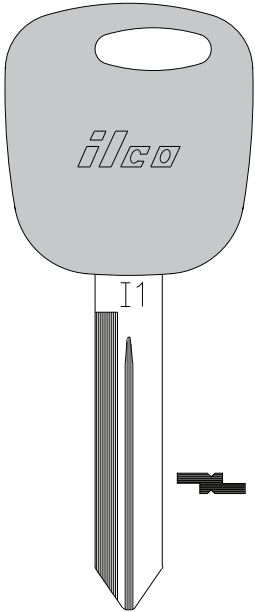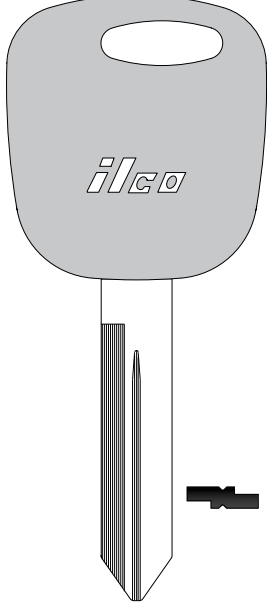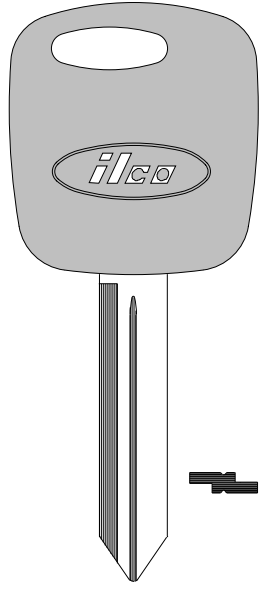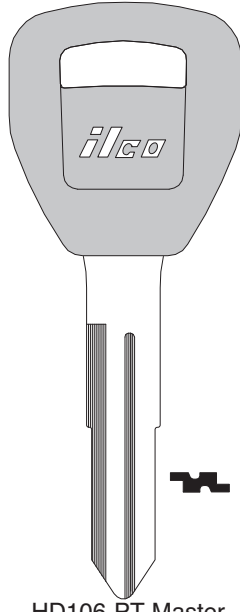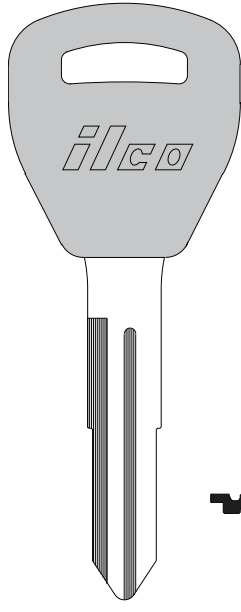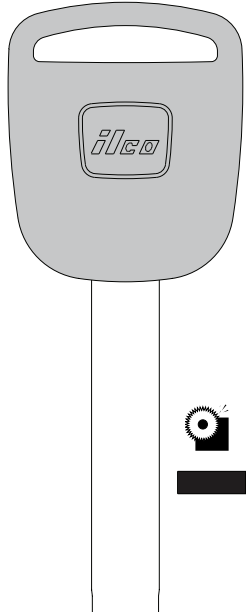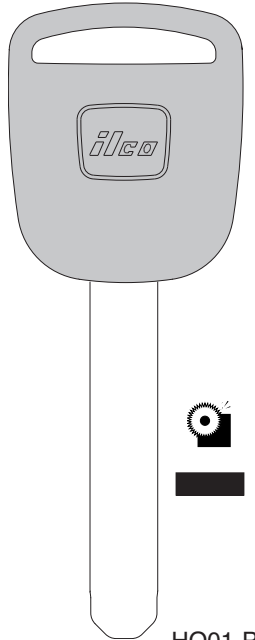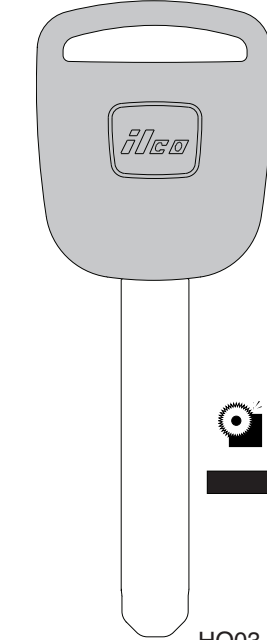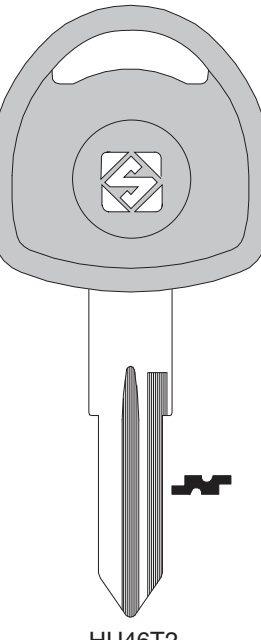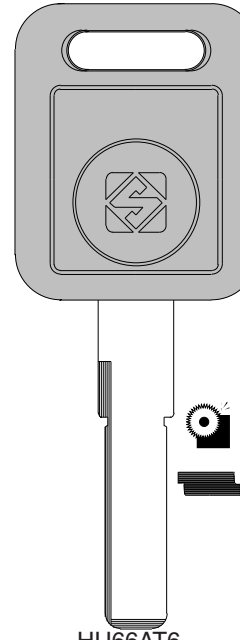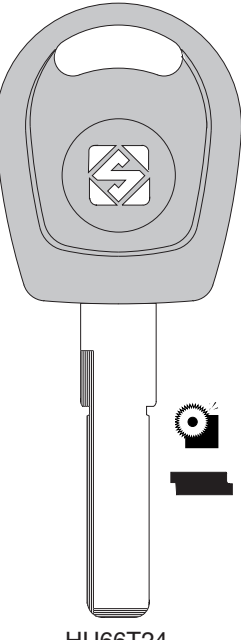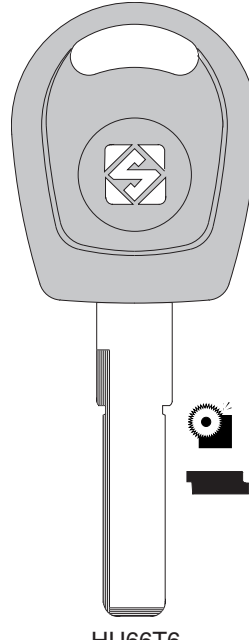
SDD/TKO COMPATIBLE KEYS

Special Duplicator Required
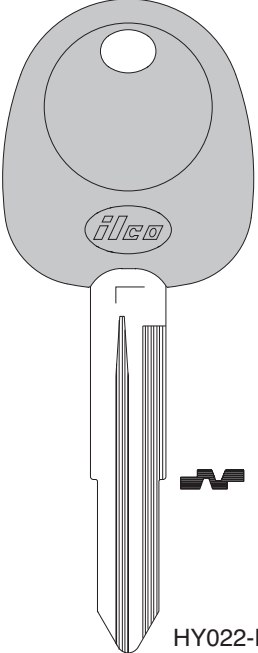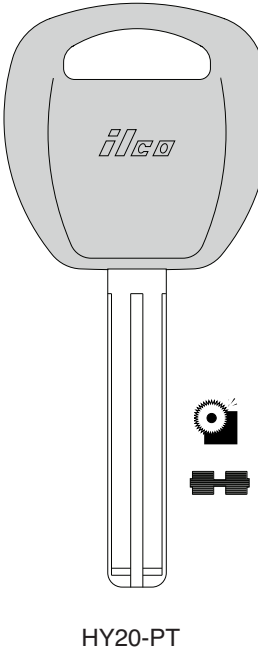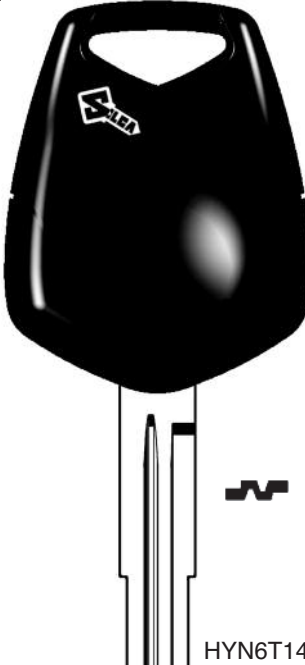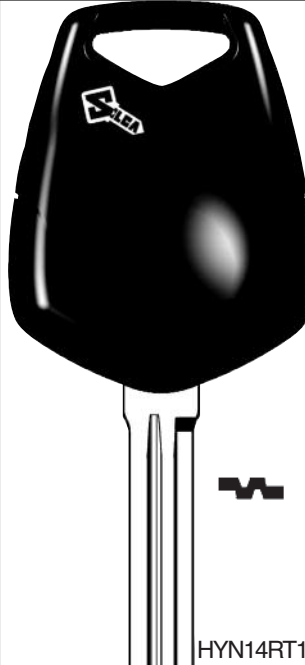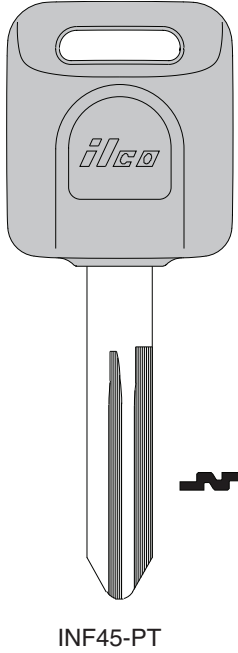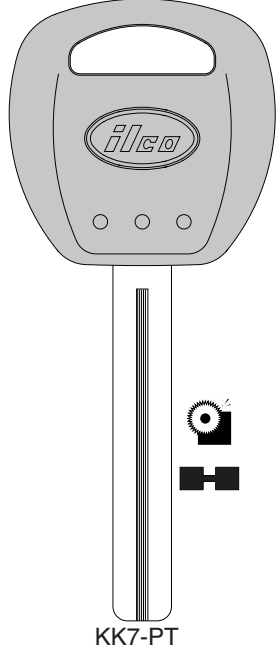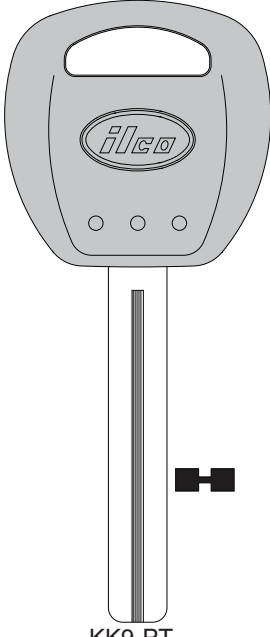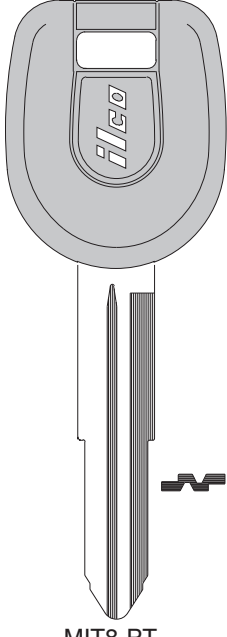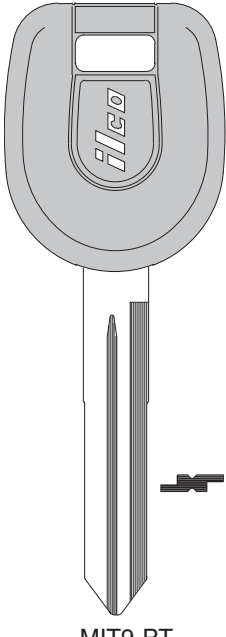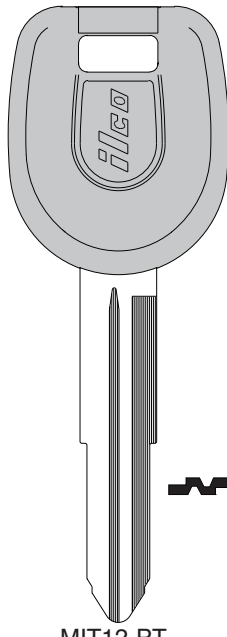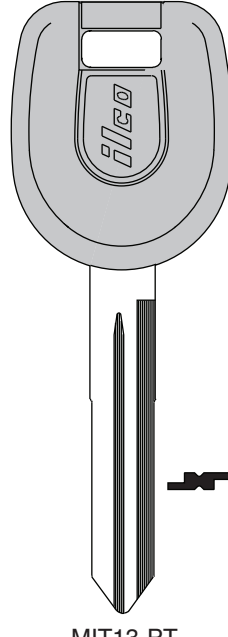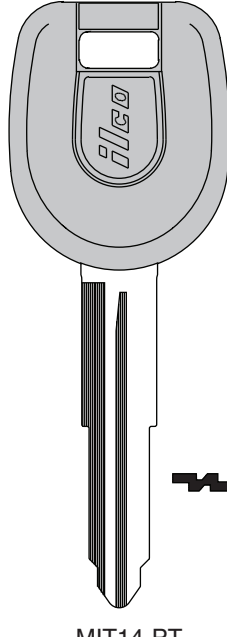
B97-PT Master
B98-PT Valet

B99-PT Master
B100-PT Valet

B103-PT Master
B104-PT Valet

B111-PT

B112-PT

B114-PT

B114R-PT

B115-PT

DAT17T3

FO21T7

H72-PT

H73-PT

SDD/TKO COMPATIBLE KEYS

Special Duplicator Required
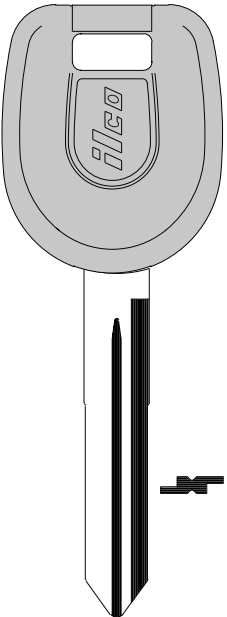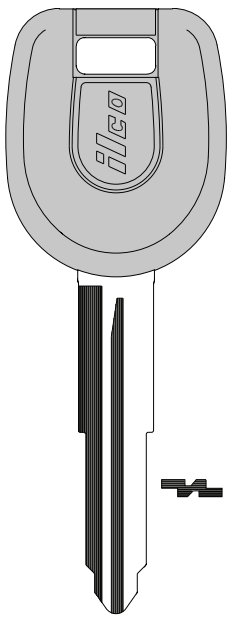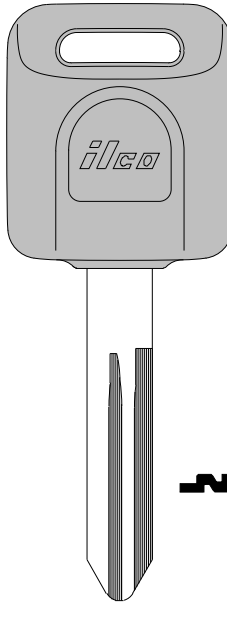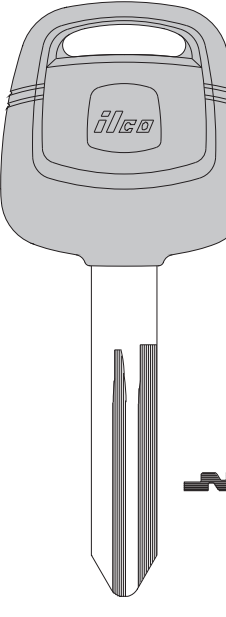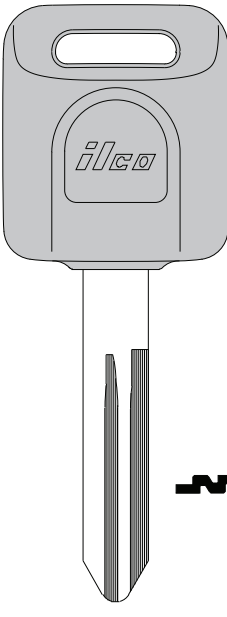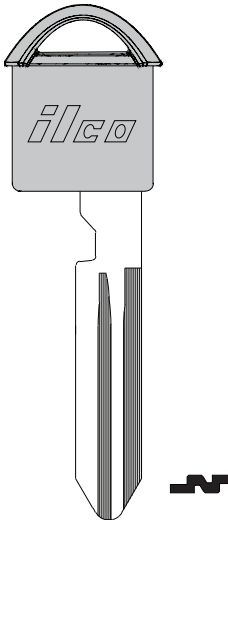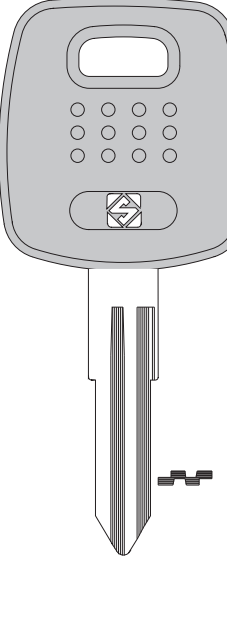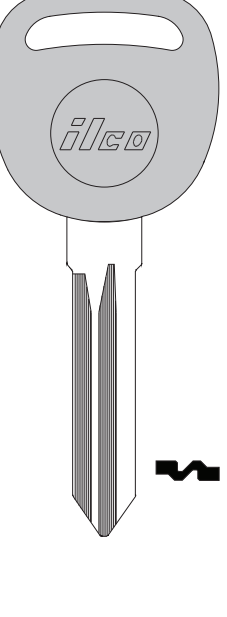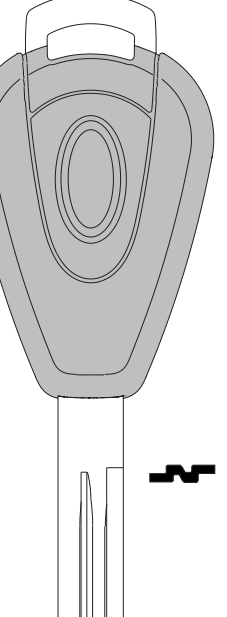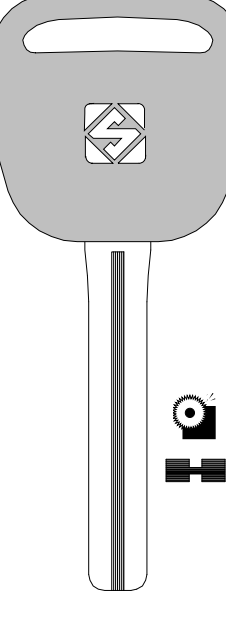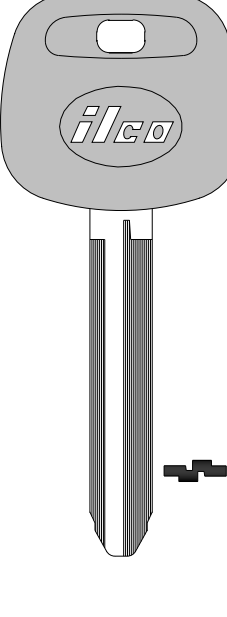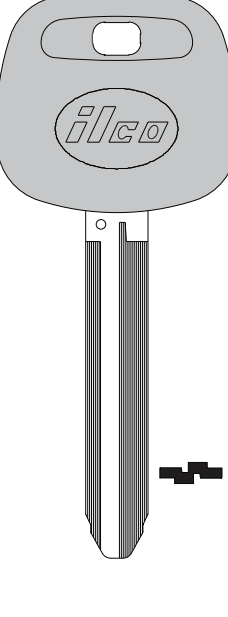
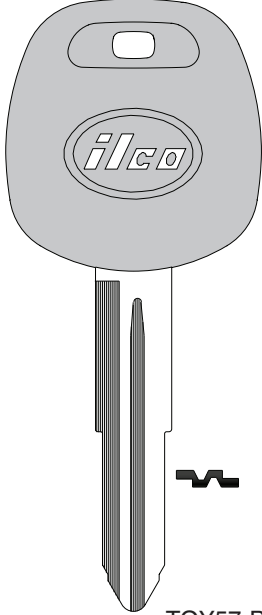|		
H74-PT	H82-PT	H86-PT
HD106-PT Master HD107-PT Valet	HD111-PT	HD113-PT
HO01-PT	HO03-PT	HU46T2
HU66AT6	HU66T24	HU66T6

SDD/TKO COMPATIBLE KEYS
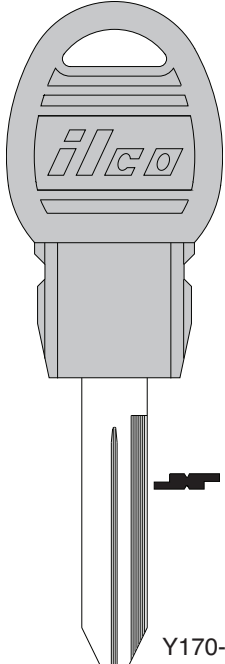
Special Duplicator Required
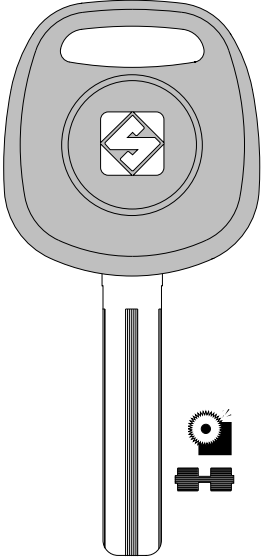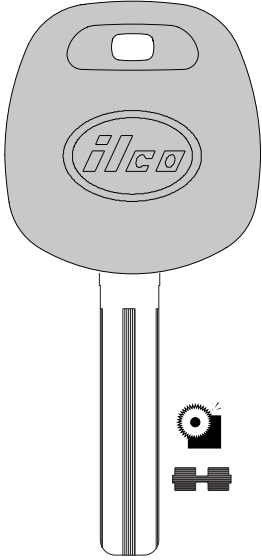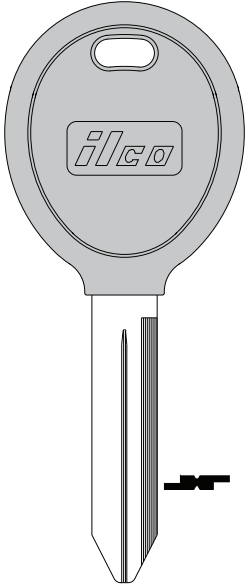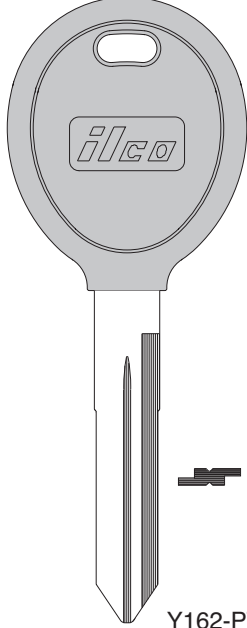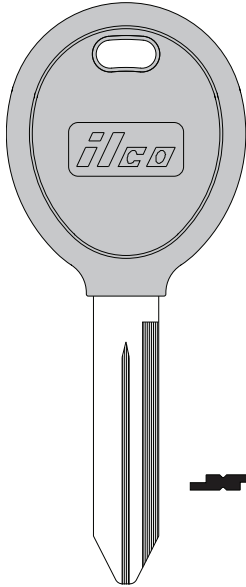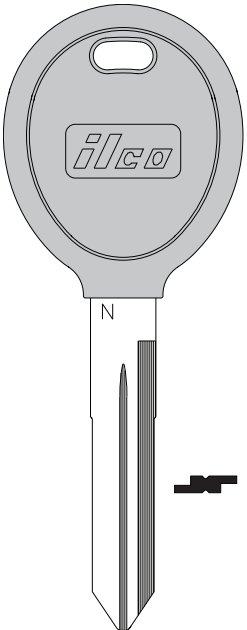
HY022-PT	HY20-PT	HYN6T14	HYN14RT14	INF45-PT	KK7-PT
KK9-PT	MIT8-PT	MIT9-PT	MIT12-PT	MIT13-PT	MIT14-PT

SDD/TKO COMPATIBLE KEYS

Special Duplicator Required

MIT16A-PT	MIT17A-PT	NI01T	NI02T	NI04T	NI05T
NSN11T2	PT04-PT	SUB4-PT	TOY40BT4	TOY43AT4	TOY44D-PT

SDD/TKO COMPATIBLE KEYS

Special Duplicator Required

TOY48BT4

TOY50-PT

TOY57-PT

Y160-PT

Y162-PT

Y164-PT

Y165-PT

Y170-PT