

# AKA

Automotive Key Alliance

## E-Z FLASHER



## General Instructions

Instructions Version 1.6

# Application Charts

ACURA	YEARS	CODE	LOCATION	IC#	TYPE	CABLE
NSX	97-05	MY HONDA	Side of Steering Column	2	93C46 / L46R / LC46	1
RL	96-05	MY HONDA	Side of Steering Column	2	93C46 / L46R / LC46	1
HONDA	YEARS	CODE	LOCATION	IC#	TYPE	CABLE
PRELUDE	97-02	MY HONDA	Side of Steering Column	2	93C46 / L46R / LC46	1

LEXUS	YEARS	LOCATION	IC#	TYPE	CABLE	NOTES
ES300	98-01	Behind Glove Box	900	93C56	1	---
	02-03	Behind Glove Box	900	93C56	1	---
	Early	Behind Glove Box	900	93C56	1	---
ES330	04-06	Behind Glove Box	2	93LC56	2	---
GS300	98-01	Under Hood Left Side	900	93C56	1	---
	02-03	Under Hood Left Side	900	93C56	1	---
	Early	Under Hood Left Side	900	93C56	1	---
GS400	98-00	Under Hood Left Side	900	93C56	1	---
	Early	Under Hood Left Side	900	93C56	1	---
GS430	01-03	Under Hood Left Side	900	93C56	1	---
GX470	03-04	Behind Instrument Cluster	2	93LC56	2	Use Factory Key





# Application Charts

continued from previous page....

LEXUS	YEARS	LOCATION	IC#	TYPE	CABLE	NOTES
<b>IS300</b>	01	Behind Glove Box	900	93C56	<b>1</b>	---
	02-03	Behind Glove Box	900	93C56	<b>1</b>	---
<b>LS400</b>	1997	Behind Glove Box	2	93LC66A	<b>2</b>	---
	98-00	Behind Glove Box	900	93C56	<b>1</b>	---
<b>LS430</b>	01-02	Behind NAV System	2	96LC66	<b>2</b>	Use Factory Key
	2003	Behind NAV System	2	96LC66	<b>2</b>	Use Factory Key
	2004	Behind NAV System	2	96LC66	<b>2</b>	Use Factory Key
<b>LX470</b>	98-00	Behind Glove Box	900	93C56	<b>1</b>	---
	01-02	Behind Glove Box	900	93C56	<b>1</b>	---
	03-05	Behind Glove Box	2	93LC56	<b>2</b>	Use Factory Key
<b>RX300</b>	98-03	Behind Glove Box	900	93C56	<b>1</b>	---
<b>RX330 / 400</b>	04-06	Center of Dash	2	93LC56	<b>2</b>	Use Factory Key
<b>SC300 / 400</b>	98-00	Pass Side / Feet Carpet	900	93C56	<b>1</b>	---
<b>SC430</b>	02-06	Behind Glove Box	2	93LC56	<b>2</b>	Use Factory Key
<b>NON - Transponder</b>	N/A	N/A	900	93C56	<b>1</b>	---



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# Application Charts

continued from previous page....

TOYOTA	YEARS	LOCATION	IC#	TYPE	CABLE	NOTES
4 Runner	98-01	Behind Glove Box	900	93C56	1	---
	02	Behind Glove Box	900	93C56	1	---
	03-06	Behind Glove Box	2	96LC66	2	Use Factory Key
Avalon	98-04	Behind Glove Box	900	93C56	1	---
	Early	Behind Glove Box	900	93C56	1	---
Camry	98-00	Behind Glove Box	900	93C56	1	---
	01-02	Behind Glove Box	900	93C56	1	---
	03-06	Behind Glove Box	2	96LC66	2	Use Factory Key
	Early	Behind Glove Box	900	93C56	1	---
Corolla	05-06	Center of Dash	3	93C66	1	Use Factory Key
Highlander	01-03	Behind Glove Box	900	93C56	1	---
	04-06	Pass Kick Panel	3	93C66	1	---
Land Cruiser	98-00	Behind Glove Box	900	93C56	1	---
	01-02	Behind Glove Box	900	93C56	1	---
	03-06	Behind Glove Box	2	96LC66	2	Use Factory Key
Matrix	05-06	Center of Dash	3	93C66	1	Use Factory Key
MR2	00-05	Behind Glove Box	900	93C56	1	---
PRIUS	01-03	Above Steering Column	2	96LC66A	2	---
	04-06	Above Steering Column	2	96LC66	2	Use Factory Key
Sienna	98-03	Behind Glove Box	900	93C56	1	---
	04-06	Behind Center Dash	2	96LC66	2	Use Factory Key

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# Application Charts

continued from previous page....

TOYOTA	YEARS	LOCATION	IC#	TYPE	CABLE	NOTES
<b>RAV 4</b>	02-03	Behind Glove Box	900	93C56	<b>1</b>	---
	04-05	Behind Instrument Cluster	3	93C66	<b>1</b>	Use Factory Key
	06-07	Behind Instrument Cluster	3	93C66	<b>1</b>	Use Factory Key
<b>Sequoia</b>	01-02	Behind Glove Box	900	93C56	<b>1</b>	---
	03-06	Behind Instrument Cluster	2	96LC66A	<b>2</b>	Use Factory Key
<b>Solara</b>	98-00	Behind Glove Box	900	93C56	<b>1</b>	---
	01-02	Behind Glove Box	900	93C56	<b>1</b>	---
	03-06	Behind Glove Box	2	96LC66	<b>2</b>	Use Factory Key
	Early	Behind Glove Box	900	93C56	<b>1</b>	---
<b>Tacoma</b>	05-07	Behind Instrument Cluster	3	93C66	<b>1</b>	Use Factory Key
<b>NON - Transponder</b>	N/A	N/A	900	93C56	<b>1</b>	---
<b>DELCO ECU</b>	98-00	Behind Glove Box	52 PIN	N/A	<b>52P</b> (Optional)	---



**E-Z FLASHER**



# What's Included in the Box

EZ-FLASHER is complete and ready to use right out of the box.

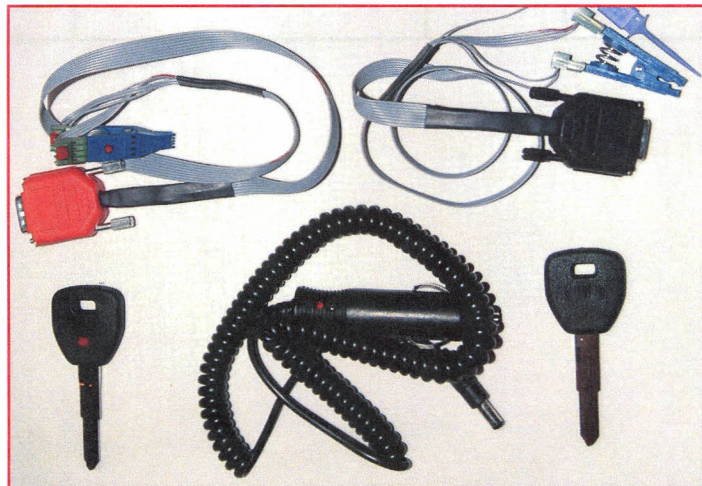
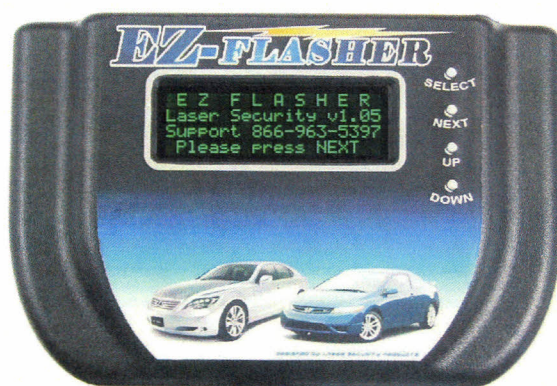
Your EZ FLASHER comes with the following:

1. E-Z Flasher Programming Unit
2. Programming cable set
3. Car adapter
4. 1 set of Honda keys (cloneable)
5. 1 Cable #1 clip (small)
6. 1 Cable #2 clip (large)
7. 1 colored probe

Simply connect the programming cables to the serial port at the top of the programming unit.

Plug the car adapter (supplied) into the top of the programming unit and then into your power source. Or plug the wall adapter (optional) into the top of the programming unit and then into your power source.

LCD screen will illuminate and you are ready to proceed.



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# Reprogramming Codes

All of the reprogramming codes are pre-set into the EZ-FLASHER. Simply select the MAKE-MODEL-YEAR for the vehicle you are working on and the reprogramming code will automatically be set for you.

## FOR HONDA:

The reprogramming code that the EZ-FLASHER installs is matched to the keys supplied with your programmer. These keys are the only keys that will work after reprogramming is complete. You can clone additional keys as necessary, or we can provide you with extra sets. Both keys contain a unique code and must be used together.

## FOR DELCO:

Delco ECUs are reset to a standard 'auto registration' code. An optional adapter or probe set is required!

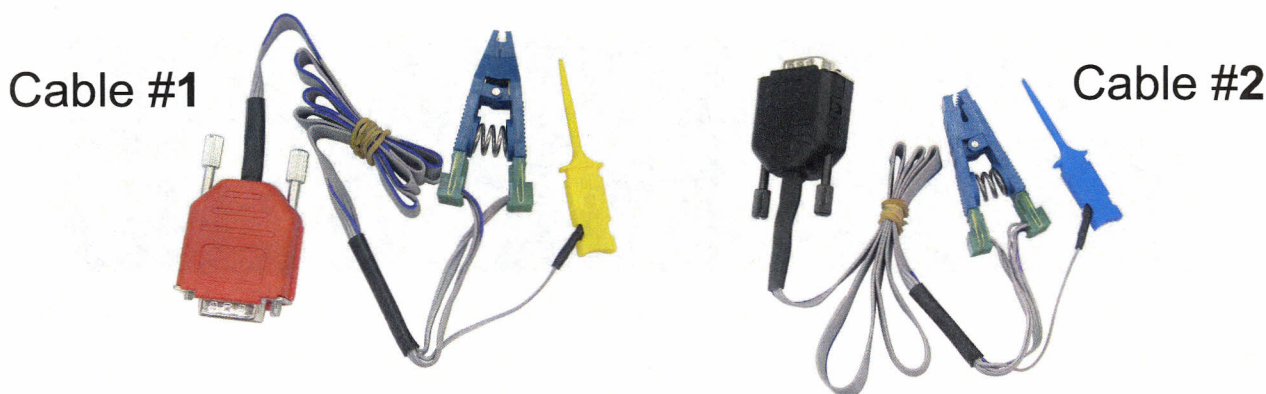
## NON TRANS:

This reprogramming code should only be used to reset a non-transponder Denso ECU that has been reprogrammed by mistake.

## EARLY:

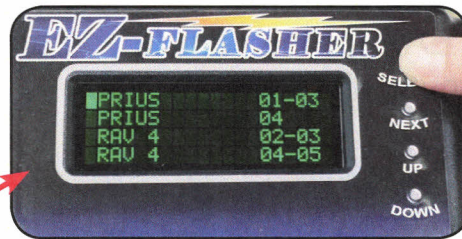
This reprogramming code is used when the standard reprogramming code does not work. I.E. The ECU reprogrammed but will not accept new keys. DENSO ONLY!

All other codes are pre-set and match specific Year/Make/Model vehicles.





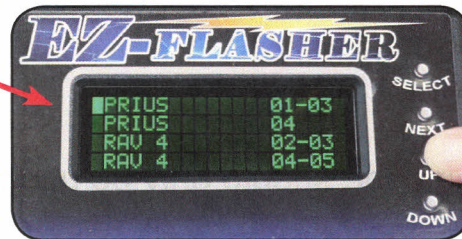
# Using the E-Z FLASHER



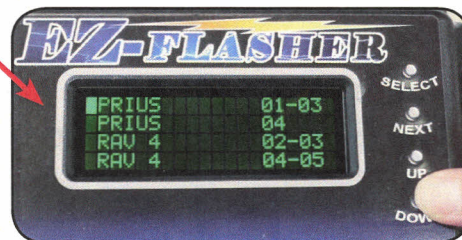
The "Select" button will move the menu to the sub-menus.



The "Next" button will move you to the sub-menu where additional models may be listed.



The "Up" button moves the selection up on the screen.



The "Down" button moves the selection down on the screen.

When looking for more models on the Lexus and Toyota systems - use the "Next" button to advance to the model you require.

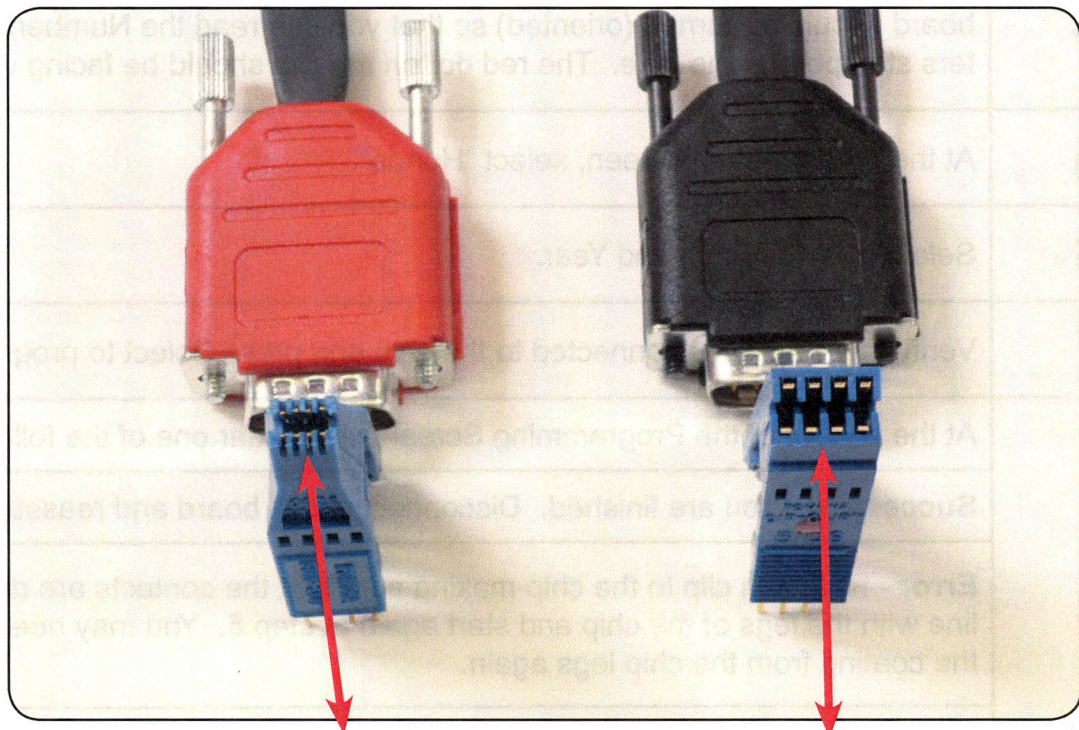
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# Using the E-Z FLASHER



The Red IC Connector uses the Small IC Clip

The Black IC Connector uses the Large IC Clip

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# Programming the Honda Immo Box

## - Instructions -

STEP	Instructions
<b>1</b>	Open the plastic cover on the box by gently lifting the lid at the end nearest the plug connectors.
<b>2</b>	Locate the proper EEPROM on the circuit board. The EEPROM is identified with the markings 93C46 or L46AR. The chip is located at the top center of the circuit board, nearest the lid hinge.
<b>3</b>	After the proper chip is located, gently clean the protective coating off of the "legs" of the chip.
<b>4</b>	Connect the programming unit to the chip with Cable #1 clip. The chip on the board should be turned (oriented) so that you can read the Numbers and Letters stamped on the face. The red dot on the clip should be facing you.
<b>5</b>	At the programming screen, select "Honda".
<b>6</b>	Select vehicle Model and Year.
<b>7</b>	Verify that the clip is connected to the chip and press Select to program.
<b>8</b>	At the bottom of the Programming Screen will appear one of the following:
	<b>Successful</b> - You are finished. Disconnect circuit board and reassemble.
	<b>Error</b> - Reattach clip to the chip making sure that the contacts are directly in line with the legs of the chip and start again at step 5. You may need to clean the coating from the chip legs again.
	<b>Note:</b> Several programming attempts may be necessary at times, depending on how the chip is seated on the circuit board.

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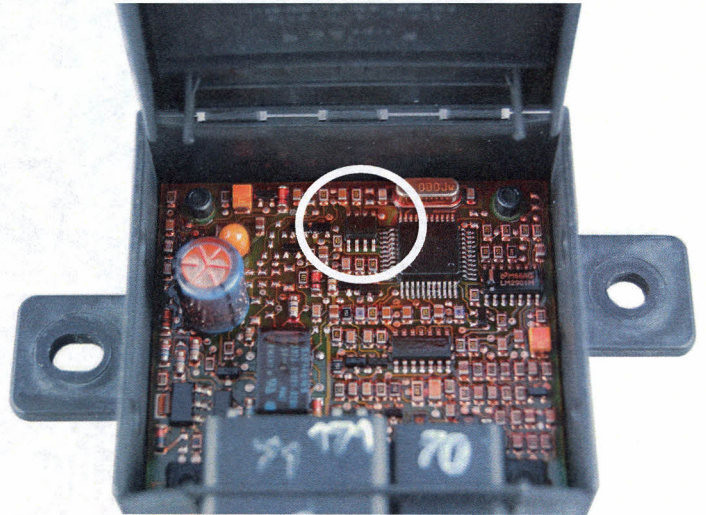
# Programming the Honda Immo Box

## - Instructions -

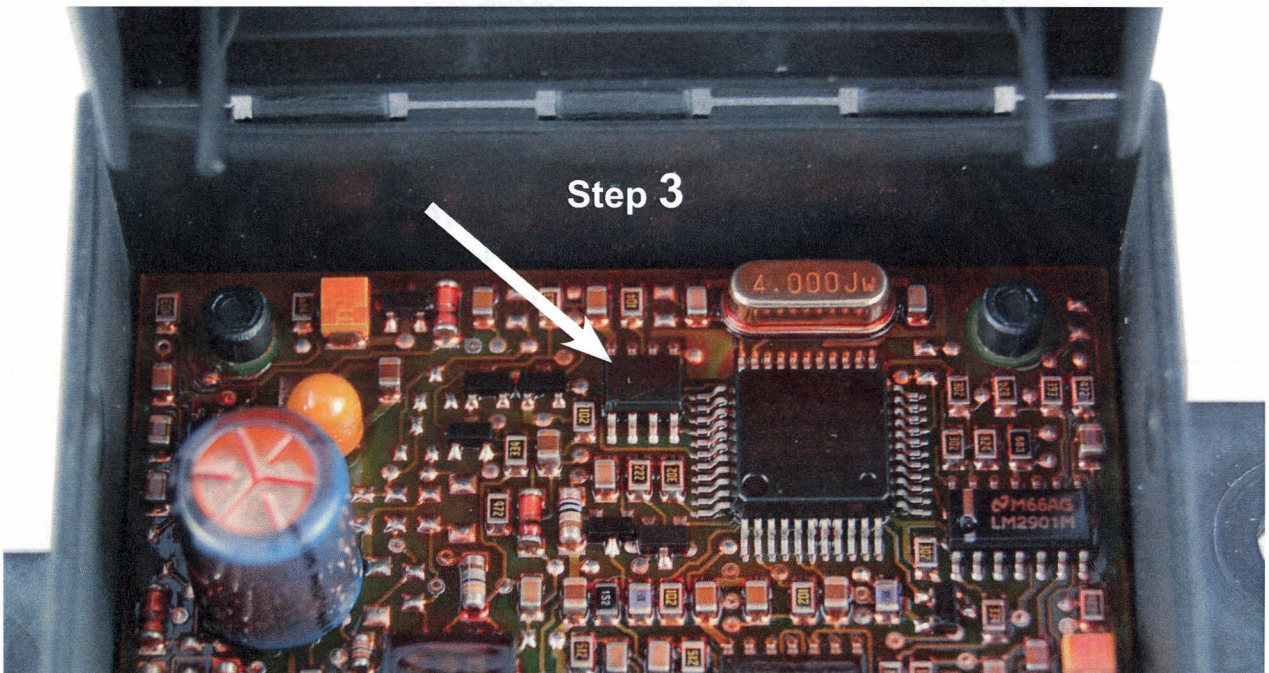
Step 1



Step 2



Step 3



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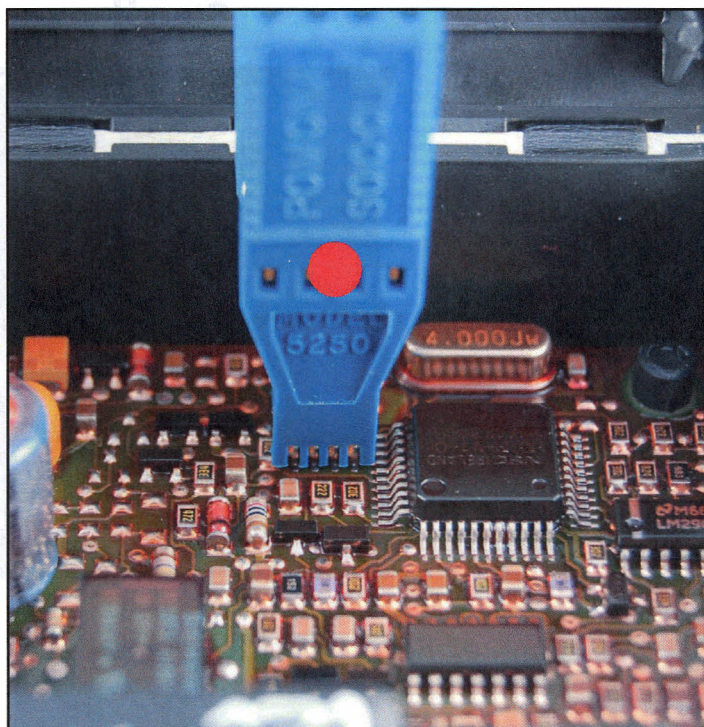
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# Programming the Honda Immo Box

## - Instructions -

### Step 4



The Red Dot on the connector always faces you when you clip onto the chip.

> HONDA  
LEXUS  
TOYOTA  
[Configure]

USE CABLE # 1  
CLIP TO IC ???  
-- UNKNOWN --  
SELECT will program

PRELUDE	98-05
ACURA RL	98-05
ACURA NSX	98-05

E A S Y F L A S H  
PROGRAMMING . . . .

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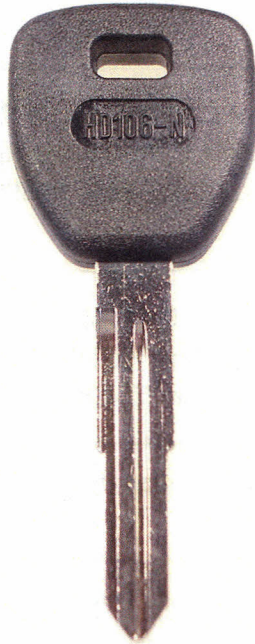
E-Z FLASHER

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# Programming the Honda Immo Box

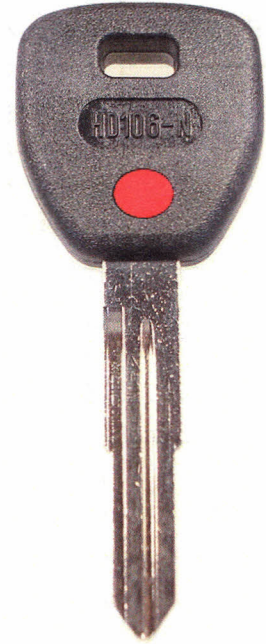
## - Instructions -



Your kit includes **1 Black** Honda key and **1 Red Dot** Learning key.

Keep these keys. You can clone from these to give to your customers. Do not give your customers these keys.

We suggest you do not give the customer the Red Dot Learning key at all- since they need a programming device to use it and it will not start the vehicle any ways.



### AFTER PROGRAMMING A HONDA IMMOBILIZER;

1. Reinstall immobilizer box in vehicle.
2. Cut Master key and Learning (red) key to match vehicle.
3. Program immobilizer and keys to the vehicle, following the on screen prompts of your test equipment. You will need a PGM Tester, T-CODE, T-CODE PRO, MVP, or other aftermarket equipment.

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# Programming A Lex/Toy Denso ECU - Silver Box - Instructions -

STEP	Instructions
<b>1</b>	After removing the ECU from the vehicle, place it on a clean work surface. Remove the screws holding the cover in place. Remove the cover and set it aside. Remove the screws holding the circuit board in place and gently remove the circuit board from the case.
<b>2</b>	Locate the proper EEPROM on the circuit board. The EEPROM is identified on the chip itself with the markings "93C56" or "L56R". The EEPROM is also identified on the circuit board with the markings "IC900" or "IC499".
<b>3</b>	After the proper chip is located, gently clean the protective coating off of the "legs" of the chip.
<b>4</b>	Connect the programming unit to the chip with Cable #1 clip. The chip on the board should be turned (oriented) so that you can read the Numbers and Letters stamped on the face. The red dot on the clip should be facing you.
<b>5</b>	Select MAKE/MODEL/YEAR of the vehicle you are working on.
<b>6</b>	Verify that the clip is connected to the chip and press Select to program.
<b>7</b>	At the bottom of the Programming Screen will appear one of the following:
	<b>Successful</b> - You are finished. Disconnect circuit board and reassemble.
	<b>Error</b> - Reattach clip to the chip making sure that the contacts are directly in line with the legs of the chip and start again at step 5. You may need to clean the coating from the chip legs again.
	<b>Note:</b> Several programming attempts may be necessary at times, depending on how the chip is seated on the circuit board.

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**E-Z FLASHER**

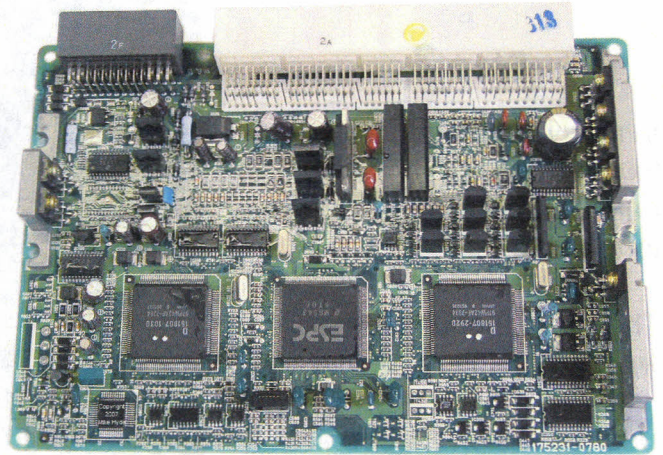
**AKA**



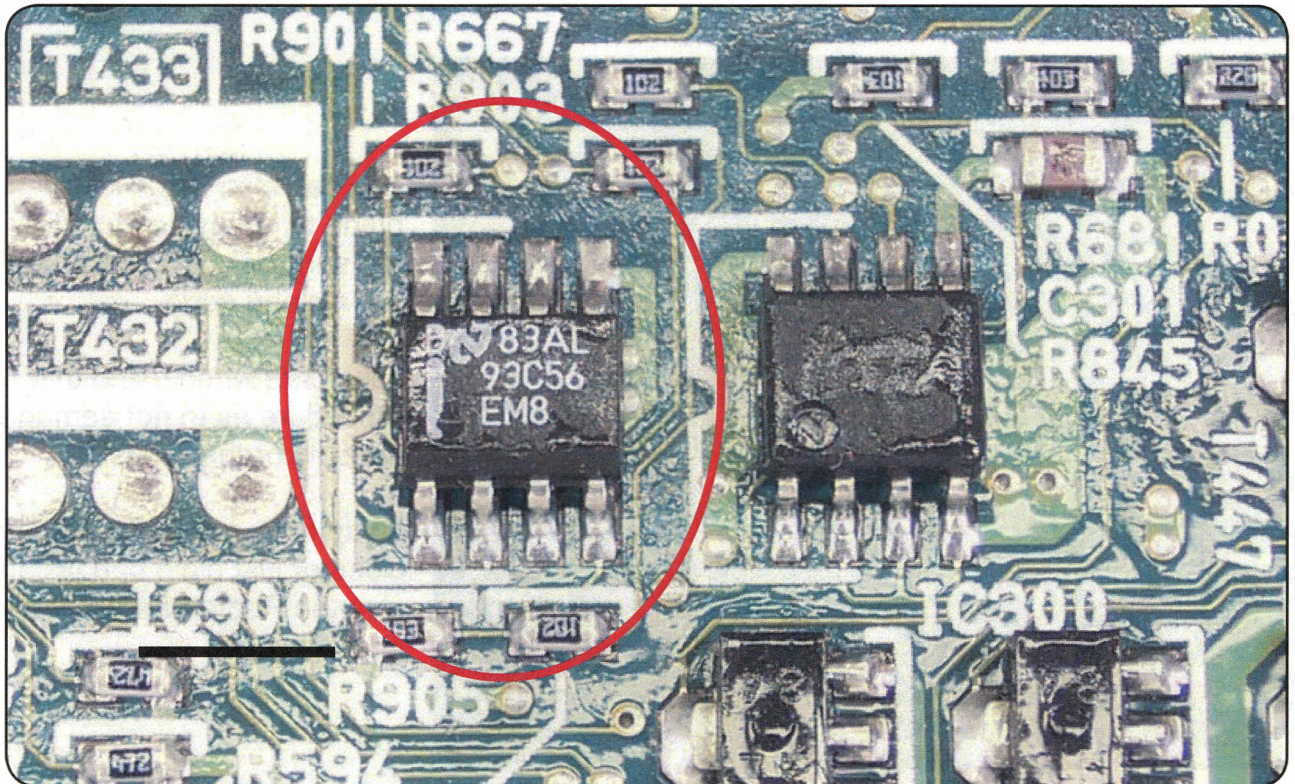
# Programming A Lex/Toy Denso ECU - Silver Box - Instructions -



Step 1



Step 2 - The correct chip may be in different locations on the circuit board depending on model and year.



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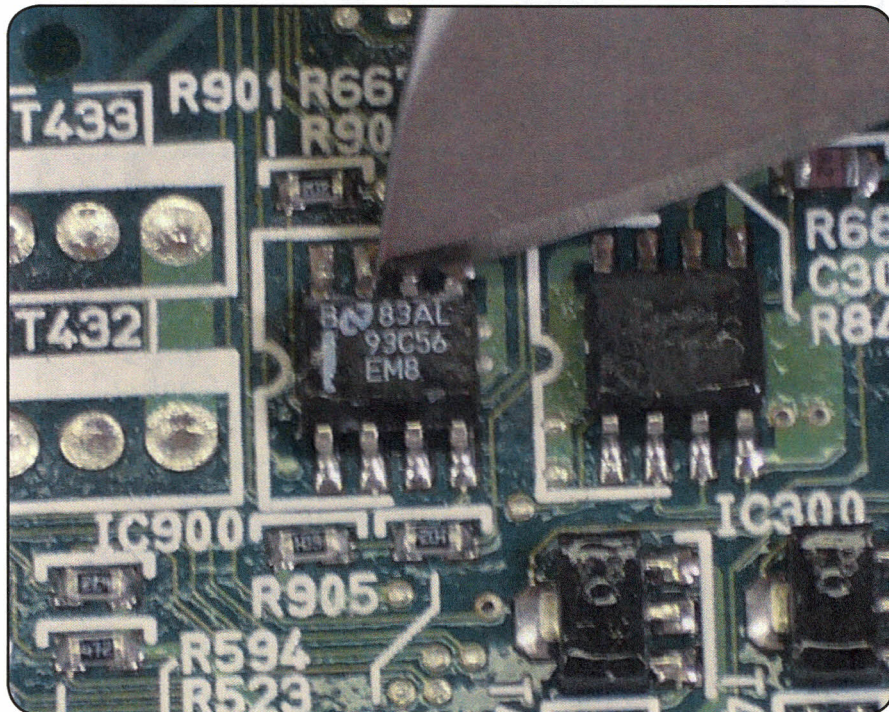
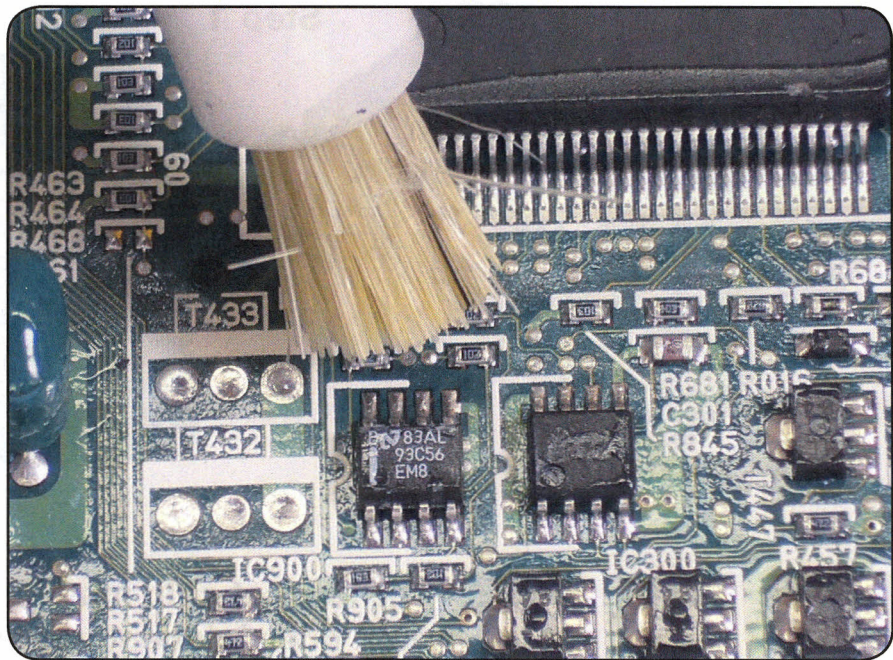
# Programming A Lex/Toy Denso ECU - Silver Box - Instructions -

## Step 3

In many cases you will need to clean the "Legs" of the chip before attaching the connector to the chip.

There are a couple different ways to do this.

Use "Precision Electronics Cleaner" from Radio Shack. Their Part# 64-4345.



You can also use a knife blade to gently scratch the top surface of the "Legs" to get a clean edge.

Take care when using this procedure as to not damage the chip or the "Legs".

If you have trouble seeing up close or just plain bad vision, Use the Radio Shack Cleaner instead.

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**E-Z FLASHER**

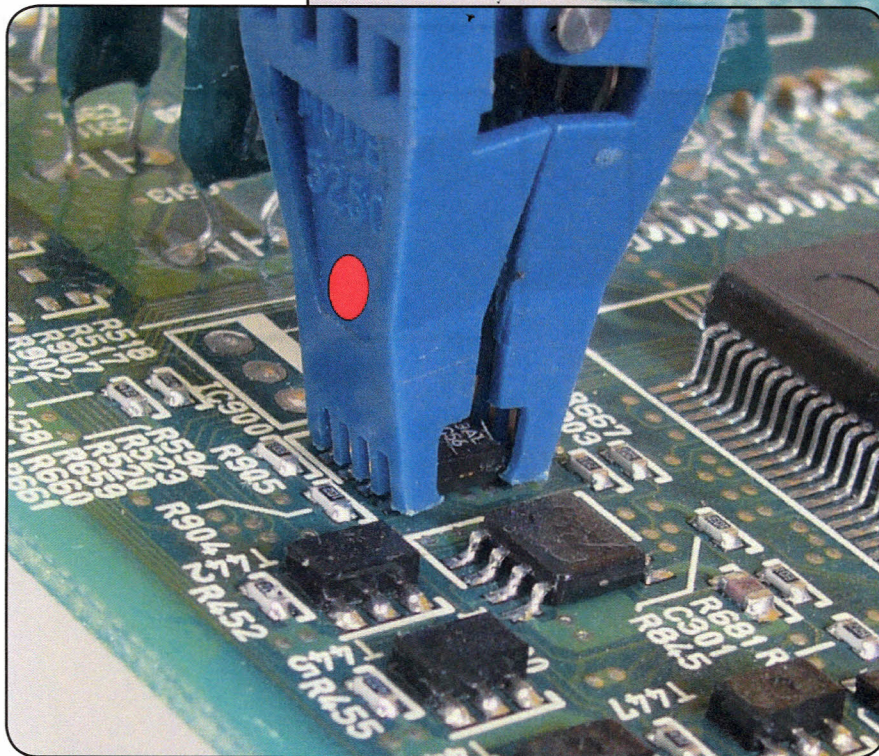
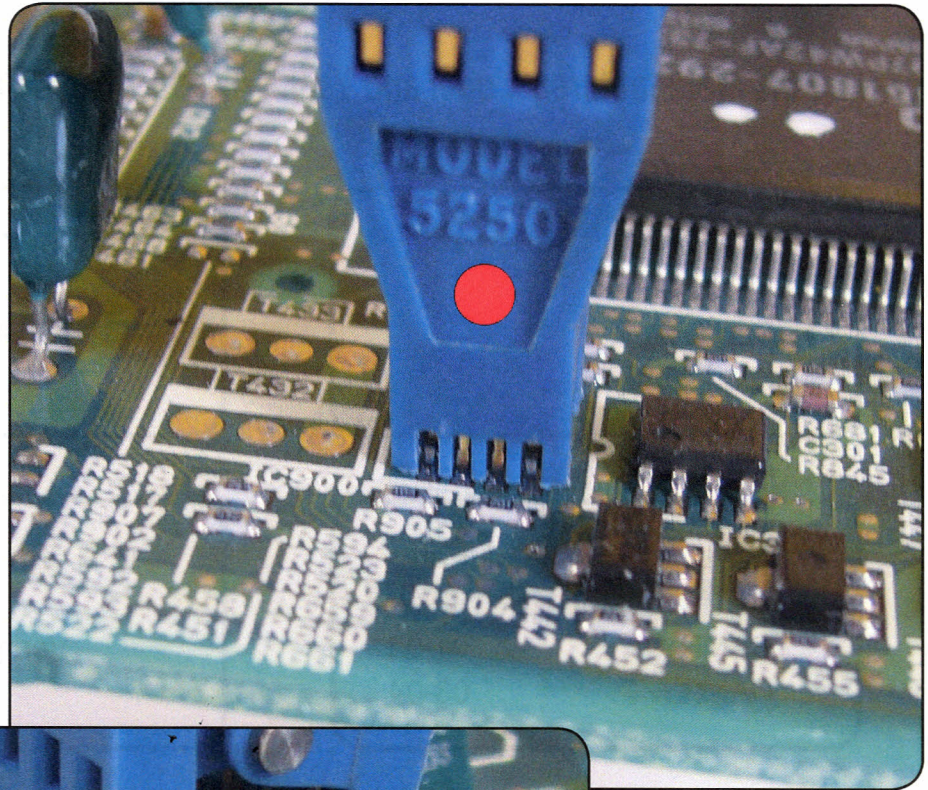
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# Programming A Lex/Toy Denso ECU - Silver Box - Instructions -

## Step 4

Here is how the connector clip should be attached to the chip.



Here is a side view of the connector clip.

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# Programming A Lex/Toy Denso ECU - Silver Box - Instructions -

*Select the Manufacturer, Model and Year. A 1998 Toyota Camry example is shown;*

HONDA  
LEXUS  
> TOYOTA  
[Configure]

E A S Y F L A S H  
  
PROGRAMMING . . . . .

AVALON	Early
> CAMRY	98-00
CAMRY	01-02
CAMRY	03-04

E A S Y F L A S H  
  
Verifying . . . . .

USE CABLE # 1  
CLIP TO IC ???  
ECM Behind Glove Box  
SELECT will program

E A S Y F L A S H  
  
Successful . . . . .

Connect Clip Now  
  
SELECT will program

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# Programming A Lex/Toy Denso ECU - Silver Box - Instructions -

After the ECU has been Reprogrammed and Installed:

The ECU will be in "Automatic Registration Mode", when you install it.

Three (3) keys need to be programmed in before you can start the vehicle. The ECM can hold up to Ten (10) keys in memory, in most cases.

While the ECU is in "Auto Registration Mode", the last key registered becomes the valet key. It is important to register the valet key as the last key in the sequence. You can also just program three (3) master keys if you want.

The security light will blink until the first master key is inserted in the ignition.

STEP	Instructions
<b>1</b>	Insert the first master transponder key into the ignition lock cylinder for registration. The security light should remain "on". Do not turn the key. Wait about 15 seconds. Remove the key from the ignition.
<b>2</b>	Insert the second master transponder key to be registered. The security light should remain "on". Do not turn the key. Wait about 15 seconds. Remove the key from the ignition.
<b>3</b>	Insert the third transponder key to be registered, The security light should go out after a couple of seconds. Do not turn the key. Remove the key from the ignition. If the security light is still illuminated, pump the brake pedal 5 times to close the programming cycle.
<b>4</b>	When you are done registering keys, remove any key that might be in the ignition. The cycle is now closed.



**E-Z FLASHER**





# Programming A Toy/Lex ICU

## Small Box - Instructions -

*There are 4 different circuit board 'types' being used on all the current Toy/Lex models in the U.S. that use the small ICU box.*

STEP	Instructions
<b>1</b>	After removing the ICU from the vehicle, gently remove the plastic end cap and slide the circuit board out of the case.
<b>2</b>	Locate the proper EEPROM on the circuit board, and clean the protective coating from the 'legs' of the chip.
<b>3</b>	Connect the programming unit to the chip with Cable <b>2</b> clip. The chip on the board should be turned (oriented) so that you can read the Numbers and Letters stamped on the face. The red dot on the clip should be facing you.
<b>4</b>	Select Make/Model/Year for the vehicle you are working on.
<b>5</b>	Verify that the clip is connected to the chip and press Select to program.
<b>6</b>	At the bottom of the Programming Screen will appear one of the following:
	<b>Successful</b> - You are finished. Disconnect circuit board and reassemble.
	<b>Error</b> - Reattach clip to the chip making sure that the contacts are directly in line with the legs of the chip and start again at step 5. You may need to clean the coating from the chip legs again.
	<b>Note:</b> Several programming attempts may be necessary at times, depending on how the chip is seated on the circuit board.

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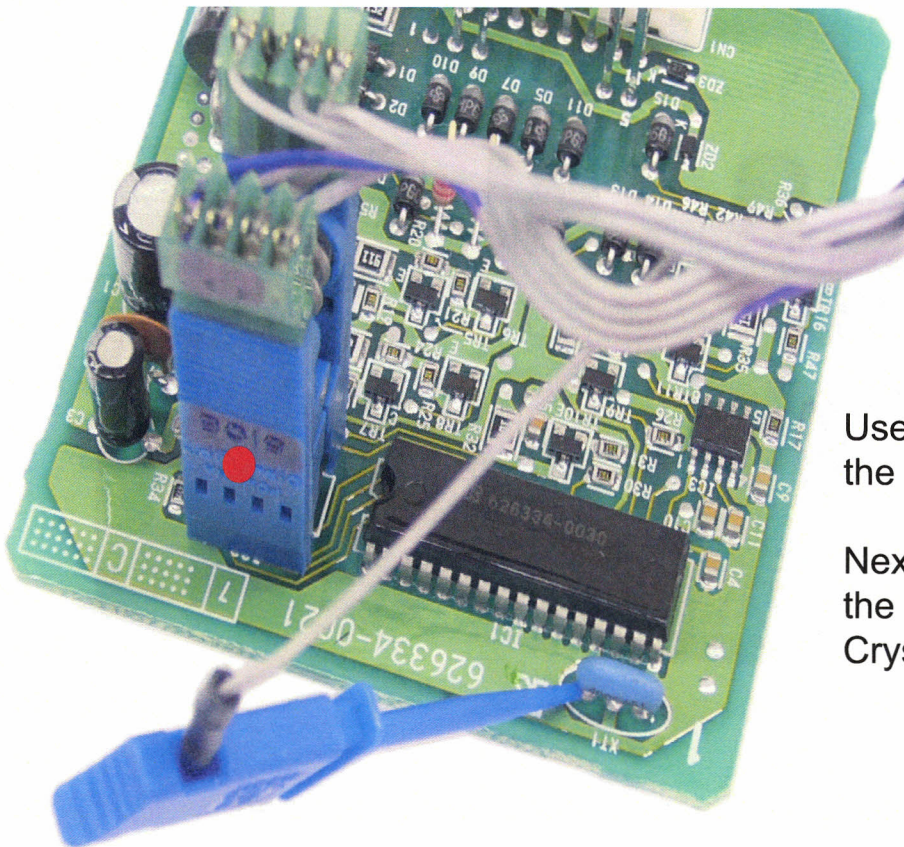
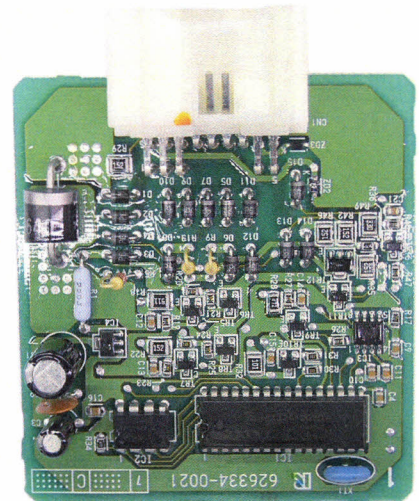
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# Programming A Toy/Lex ICU Small Box - Instructions -



**Type A  
Sequoia**



Use Cable #2 to clip onto the IC chip as pictured.

Next clip the probe onto the left leg of the Blue Crystal as pictured.

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# Programming A Toy/Lex ICU Small Box - Instructions -

## Type B '01-'03 Prius



Use Cable #1 to clip onto the IC chip as pictured.  
Next clip the probe onto the left leg of the Blue Crystal as pictured.

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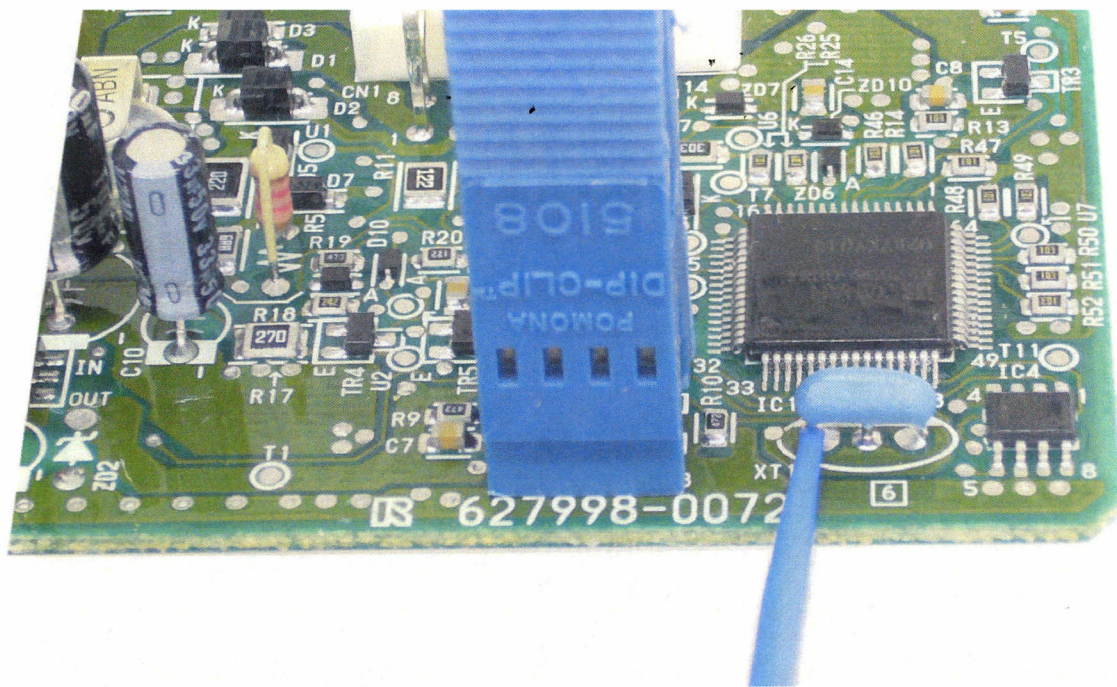
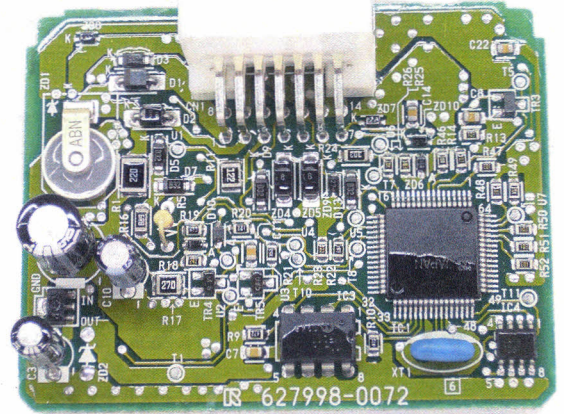
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# Programming A Toy/Lex ICU Small Box - Instructions -



**Type C  
SC430 & LS430**

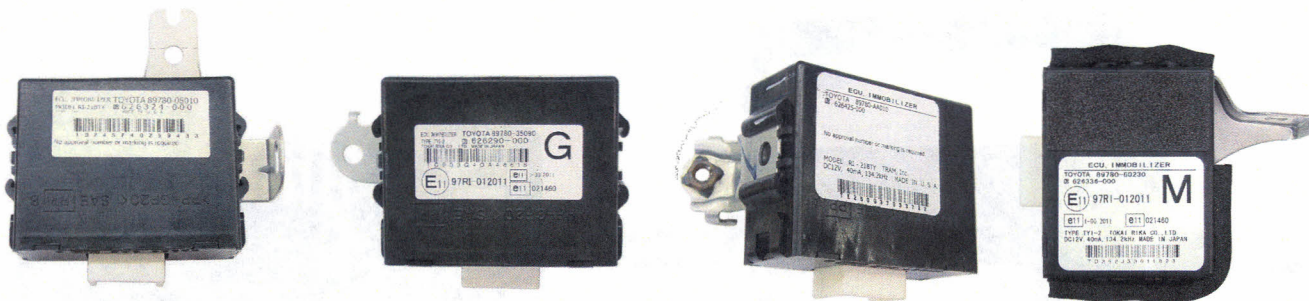


Use Cable #2 to clip onto the IC chip as pictured.  
Next clip the probe onto the left leg of the Blue Crystal as pictured.

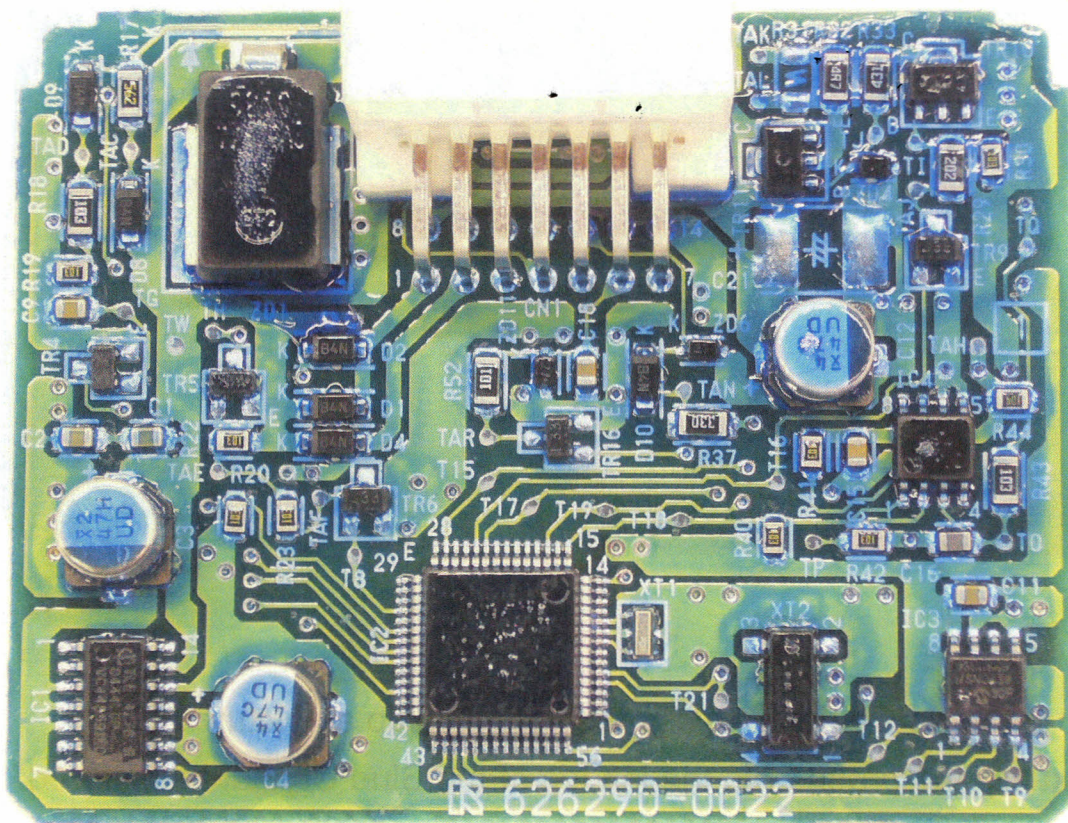




# Programming A Toy/Lex ICU Small Box - Instructions -



Type D 4Runner, Camry, GX470, LX470,  
Solara, & Sienna



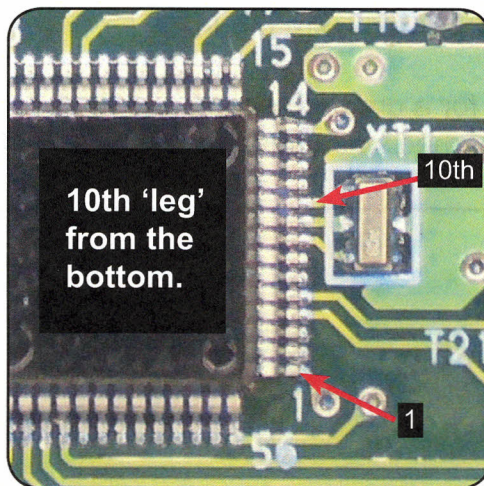
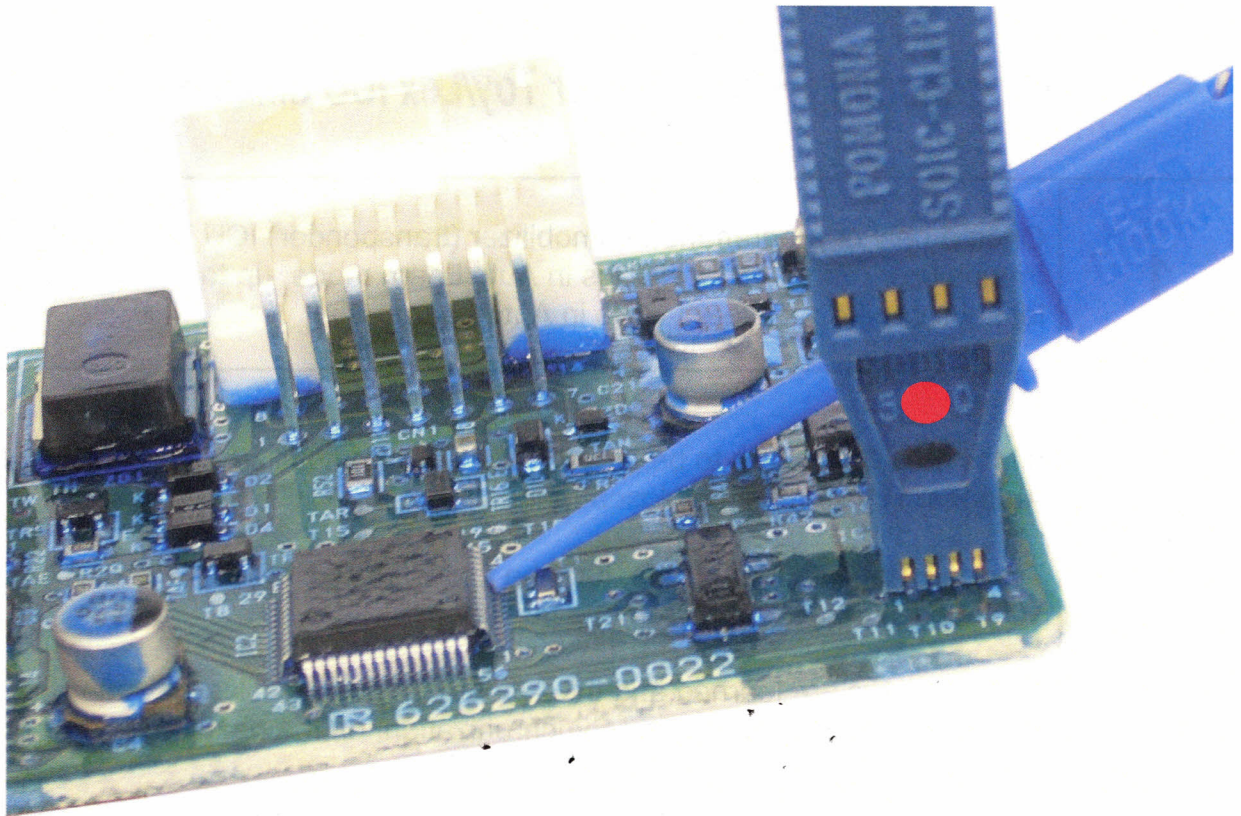
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# Programming A Toy/Lex ICU Small Box - Instructions -



Use Cable #1 to clip onto the IC chip as pictured.

Next clip the probe onto the 10th leg of the larger chip as pictured.

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# Programming A Toy/Lex ICU Small Box - Instructions -

## *Programming Procedure for Toy/Lex ICU Small Box:*

<b>1</b>	Once a new or programmed Immobilizer (transponder) ICU is installed, the Immobilizer (transponder) ICU is in Auto Learn mode, up to 2 Master & 1 Valet keys can be registered while in Auto Learn.
<b>2</b>	<p>If less than 3 keys are to be programmed, the Immobilizer (transponder) ICU Auto learn cycle must be closed manually.</p> <p>To close the Auto learn cycle; turn the ignition lock 5 times from OFF to ON in 10 seconds or less. Then remove the key.</p> <p>After the keys are learned and the Auto Learn cycle is Closed, you will need to perform the Engine Control Synchronization, on the next page.</p>
<b>3</b>	<p>The Security (theft) light will stay ON with no key in the ignition when the Immobilizer (transponder) ICU is in the Auto learn mode.</p> <p>If the Security light blinks 2 times for a quarter second and then 2 time for a second, a key that was already learned was used in the ignition to learn.</p>

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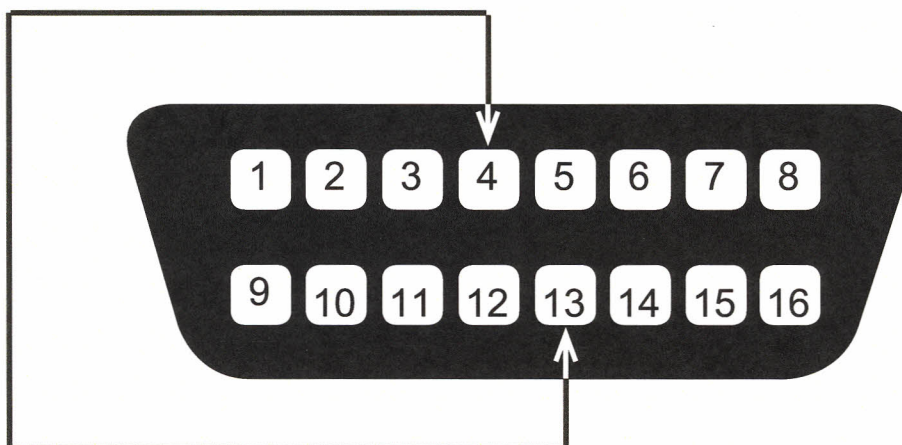


# Programming A Toy/Lex ICU Small Box - Instructions -

*- After you replace the IMMOBILIZER CONTROL UNIT -*

*You must perform the "Engine Control Synchronization"*

<b>1</b>	Insert an already learned Master key into the ignition lock and turn to the ON position.
<b>2</b>	Do not try to start the vehicle.
<b>3</b>	Use a suitable jumper (to short) the terminals on the OBD2 port for 30 minutes and then remove.
<b>4</b>	The Engine Control Unit should then be resynchronized with the Immobilizer ICU. Remove the key from the ignition and then re-insert to start the vehicle.



These terminals are also referred to as TC(13) & CG(4).

Terminal #4 is Orange in color, Terminal #13 is Pink w/Black in color.



## E-Z FLASHER





# NOTES

**AKA**

**E-Z FLASHER**