

Applies To: **2001 and later Civic KK, KU – ALL**
2002 and later CR-V KK, KU – ALL
2002 and later Fit KK, KT – ALL
2001 and later Stream KK, KU – ALL

January 2004

Immobilizer System (Type 3)

All 2001 and later Civics (KK and KU), 2002 and later CR-Vs (KK and KU), 2002 and later Fits (KK and KT), and 2001 and later Streams (KK and KU) have a Type 3 immobilizer system that disables the vehicle unless a programmed ignition key is used. In this service bulletin, a programmed ignition key refers to a transponder-type key that has been cut to fit the ignition switch and whose transponder ID code is recognized by the immobilizer system. If you try to start the engine without a programmed ignition key, the engine cranks, but it cannot start.

This service bulletin covers

- Immobilizer system components
- Adding programmed ignition keys
- Clearing transponder codes of lost programmed ignition keys
- Replacing all programmed ignition keys
- Starting the engine without a programmed ignition key
- Replacing the immobilizer control unit-receiver
- Replacing the ECM/PCM

It also has a customer situation and required items chart.

You can find more information about the immobilizer system in the Body Electrical section of the appropriate shop manual.

WARRANTY CLAIM INFORMATION

None. This service bulletin is for information only.

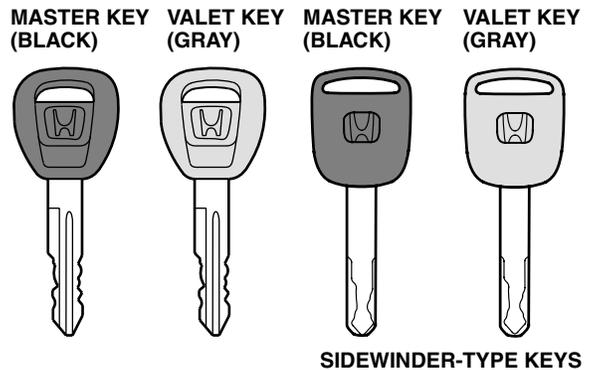
IMMOBILIZER SYSTEM COMPONENTS

The immobilizer system includes the

- Immobilizer system keys (two master keys and one valet key at new vehicle delivery)
- Immobilizer system indicator
- Immobilizer control unit-receiver
- Engine control module (ECM)/powertrain control module (PCM)

Immobilizer System Keys

The vehicle comes with two master keys (black grip) and one valet key (gray grip).



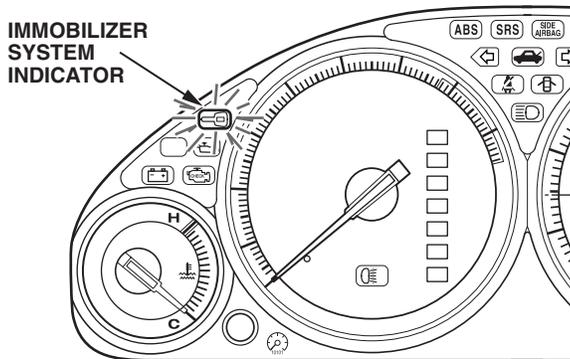
Each key (master or valet) has a transponder in its grip that outputs an ID code when you insert the key into the ignition switch. The immobilizer system uses this ID code to determine whether to start the engine. There are no batteries or other serviceable parts inside the keys.

The master and valet keys for 2003 and later Civics (KK, KU), 2002 and later CR-Vs (KK, KU), 2002 and later Fits (KK, KT), and 2003 and later Streams (KK, KU), are sidewinder-type keys that require a special key cutting machine. Refer to S/B 01-077, *Cutting Sidewinder-Type Keys With the MATRIX H Key Cutting Machine*.

Make sure you use the proper key blanks (see the part numbers in this service bulletin). Keys with a **V** stamped on the shank do not work with a Type 3 immobilizer system; they work *only* with a Type 4 immobilizer system.

Immobilizer System Indicator

The immobilizer system indicator is on the instrument panel. If you insert a programmed ignition key (master or valet) into the ignition switch and turn the switch to ON (II), the indicator comes on for **2 seconds** and then goes off. When you turn the ignition switch to LOCK (0), the indicator blinks for **5 seconds** and then goes off.

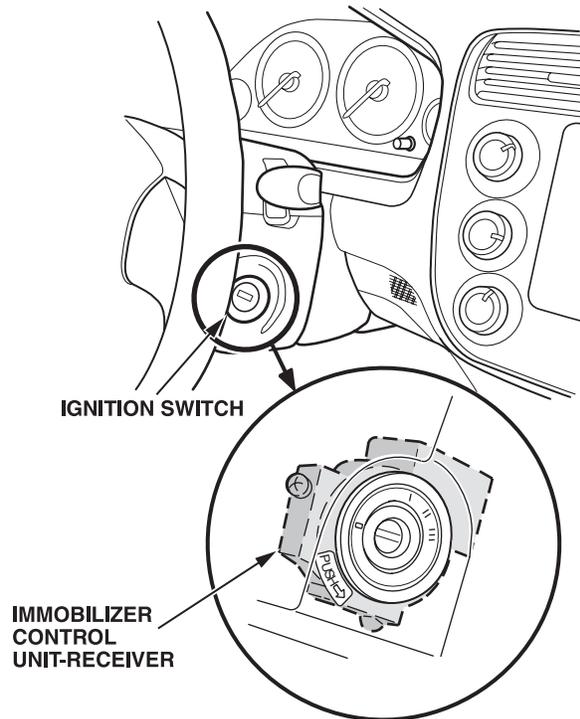


(Civic 2-door shown)

If you insert a nonprogrammed ignition key into the ignition switch and turn the switch to ON (II), the indicator comes on for **2 seconds** and *then starts to blink*. The indicator keeps blinking until you turn the switch to LOCK (0). If you try to start the engine with a nonprogrammed ignition key, the engine cranks, but it cannot start.

Immobilizer Control Unit-Receiver

The immobilizer control unit-receiver is inside the bezel around the ignition switch. It uses electromagnetic induction to power the transponder in the key. There is no direct electrical connection. Once the transponder is activated, it sends its ID code to the immobilizer control unit-receiver, which checks the ID code against the codes in its memory. If the code matches, the immobilizer control unit-receiver sends a unique serial code to the ECM/PCM. But if the transponder ID code does not match, no serial code is sent.



(Civic 2-door shown)

Engine Control Module (ECM)/Powertrain Control Module (PCM)

The ECM/PCM is an integral part of the immobilizer system. When the ECM/PCM receives the unique serial code from the immobilizer control unit-receiver, it communicates or "handshakes" with the immobilizer control unit-receiver by sending back its own unique serial code. If the serial codes are mutually recognized during this handshaking process, the ECM/PCM activates the fuel supply system and the ignition system so the engine can start.

ADDING PROGRAMMED IGNITION KEYS

These vehicles originally come with three programmed ignition keys. The immobilizer control unit-receiver accepts a total of six transponder codes, so three more codes can be stored in its memory. Use the following procedures to add a key or to add multiple keys. Use the Honda Diagnostic System (HDS) Pocket Tester with Honda key blanks to add programmed ignition keys. The Pocket Tester rewrites the immobilizer control unit-receiver, storing the transponder code(s) of the new key(s) in the memory of the immobilizer control unit-receiver.

Preparation

To add a key(s), you need these items:

- Immobilizer Key blank (See table for applicability.)

Model	Immobilizer Key Blank P/N				
	Master Key			Valet Key	
	35113-S84-A02	35113-S0X-A01	35113-S9A-A01	35114-S84-A02	35114-S9A-A01
2001–02 Civic KK	X			X	
2001–02 Civic KU	X				
2003 and later Civic KK		X			X
2003 and later Civic KU			X		X
2002 CR-V KK, KU			X		
2003 and later CR-V KK, KU		X			
2002 and later Fit KK, KT			X		
2001–02 Stream KK, KU	X				
2003 and later Stream KK, KU			X		

- One programmed ignition key (master or valet) for the vehicle
- Key code for the vehicle (if cutting by code)

- Suitable key cutter
NOTE: For models using sidewinder-type keys (P/N 35113-S0X-A01, P/N 35113-S9A-A01, or P/N 35114-S9A-A01), you must use the MATRIX H Key Cutting Machine.
- HDS Pocket Tester with 1.009.001 or later software
NOTE: Make sure the setup and time are correct before you use the Pocket Tester.
- 1st Password [This five-character code is available on the Interactive Network (iN). From the iN main menu, click on **SERVICE**, and then click on **Immobilizer Code Inquiry**. Enter the VIN, and then click on **Submit**.]

Procedure

1. Use an appropriate key blank and suitable key cutter to cut a new ignition key(s). Refer to S/B 01-077, *Cutting Sidewinder-Type Keys With the MATRIX H Key Cutting Machine*.
2. Connect the Pocket Tester to the 16P data link connector (DLC).
3. Insert a programmed ignition key into the ignition switch, and turn the switch to ON (II). Turn on the Pocket Tester.
4. At the screen prompts, enter the VIN and the odometer reading, and then verify the correct date and time.
5. From the **System Selection Menu** screen, select **IMMOBI**.
6. From the **Mode Menu** screen, select **Immobilizer Setup**.
7. From the **Immobilizer Test Mode Menu** screen, select **Add and Delete Keys**.
8. From the **Add and Delete Keys** screen, select **Delete or Add Multiple Keys**.
9. From the **Delete or Add Multiple Keys** screen, select **Begin to Delete or Add Multiple Keys**.
10. From the **1st Password** screen, enter the 1st Password, and then follow the screen prompts. When you are finished, turn the ignition switch to LOCK (0), and then turn off and disconnect the Pocket Tester.

CLEARING TRANSPONDER CODES OF LOST PROGRAMMED IGNITION KEYS

If your customer has lost one or more (but not all) of the programmed ignition keys, you should rewrite the immobilizer control unit-receiver with the HDS Pocket Tester to prevent the lost keys from starting the engine. The Pocket Tester clears the transponder codes from the memory of the immobilizer control unit-receiver and then stores the transponder codes of your customer's remaining keys. This process, in effect, clears the codes of the lost keys, so they could not start the engine.

Preparation

To clear the transponder codes of lost programmed ignition keys, you need these items:

- All of your customers remaining programmed ignition keys (master and valet) for the vehicle.
- HDS Pocket Tester with 1.009.001 or later software
NOTE: Make sure the setup and time are correct before you use the Pocket Tester.
- 1st Password [This five-character code is available on the Interactive Network (iN). From the iN main menu, click on **SERVICE**, and then click on **Immobilizer Code Inquiry**. Enter the VIN, and then click on **Submit**.]

Procedure

1. Gather up *all* of your customer's remaining programmed ignition keys (master and valet) for the vehicle.
2. Connect the Pocket Tester to the 16P data link connector (DLC).
3. Insert a programmed ignition key into the ignition switch, and turn the switch to ON (II). Turn on the Pocket Tester.
4. At the screen prompts, enter the VIN and the odometer reading, and then verify the correct date and time.
5. From the **System Selection Menu** screen, select **IMMOBI**.
6. From the **Mode Menu** screen, select **Immobilizer Setup**.
7. From the **Immobilizer Test Mode Menu** screen, select **Add and Delete Keys**.
8. From the **Add and Delete Keys** screen, select **Delete or Add Multiple Keys**.
9. From the **Delete or Add Multiple Keys** screen, select **Begin to Delete or Add Multiple Keys**.
10. From the **1st Password** screen, enter the 1st Password, and then follow the screen prompts. When you are finished, turn the ignition switch to LOCK (0), and then turn off and disconnect the Pocket Tester.

REPLACING ALL PROGRAMMED IGNITION KEYS

If your customer has lost all of the programmed ignition keys, you need to replace the ignition keys and to rewrite the immobilizer control unit-receiver with the HDS Pocket Tester. The Pocket Tester clears all transponder codes from the memory of the immobilizer control unit-receiver and stores the transponder codes of the replacement ignition keys.

Preparation

To replace all programmed ignition keys, you need these items:

- Immobilizer Key blank (See table for applicability.)

Model	Immobilizer Key Blank P/N				
	Master Key			Valet Key	
	35113-S84-A02	35113-S0X-A01	35113-S9A-A01	35114-S84-A02	35114-S9A-A01
2001–02 Civic KK	X			X	
2001–02 Civic KU	X				
2003 and later Civic KK		X			X
2003 and later Civic KU			X		X
2002 CR-V KK, KU			X		
2003 and later CR-V KK, KU		X			
2002 and later Fit KK, KT			X		
2001–02 Stream KK, KU	X				
2003 and later Stream KK, KU			X		

- Key code for the vehicle
- Suitable key cutter
NOTE: For models using sidewinder-type keys (P/N 35113-S0X-A01, P/N 35113-S9A-A01, or P/N 35114-S9A-A01), you must use the MATRIX H Key Cutting Machine.
- HDS Pocket Tester with 1.009.001 or later software
NOTE: Make sure the setup and time are correct before you use the Pocket Tester.
- PCM Code [This four-digit code is available on the Interactive Network (iN). From the iN main menu, click on **SERVICE**, and then click on **Immobilizer Code Inquiry**. Enter the VIN, and then click on **Submit**.]

Procedure

1. Use appropriate key blanks and a suitable key cutter to cut the requested number of ignition keys. Refer to S/B 01-077, *Cutting Sidewinder-Type Keys With the MATRIX H Key Cutting Machine*.
2. Connect the Pocket Tester to the 16P data link connector (DLC).
3. Insert a newly cut ignition key into the ignition switch, and turn the switch to ON (II). Turn on the Pocket Tester.
4. At the screen prompts, enter the VIN and the odometer reading, and then verify the correct date and time.
5. From the **System Selection Menu** screen, select **IMMOBI**.
6. From the **Mode Menu** screen, select **Immobilizer Setup**.
7. From the **Immobilizer Test Mode Menu** screen, select **Add and Delete Keys**.
8. From the **Add and Delete Keys** screen, select **All Keys Lost**.
9. From the **All Keys Lost** screen, select **Begin to register keys**.
10. From the **PCM-Code** screen, enter the PCM Code, and then follow the screen prompts. When you are finished, turn the ignition switch to LOCK (0), and then turn off and disconnect the Pocket Tester.

STARTING THE ENGINE WITHOUT A PROGRAMMED IGNITION KEY

If your customer is stranded because he or she has no programmed ignition keys, or a part of the immobilizer system has failed, you can still start the engine using a properly cut key blank and the VIN-specific, five-digit Immobilizer Brake Code.

This procedure is suited for situations where your stranded customer either plans to drive the vehicle directly to a Honda dealership for immobilizer system repair, or he or she has the other programmed ignition keys at home and plans to drive there with no side trips.

If your customer has lost his or her programmed ignition keys, but has programmed ignition keys at home, advise him or her to schedule an appointment to have the immobilizer control unit-receiver rewritten for the remaining ignition keys; this way the transponder codes of the missing keys are cleared from the memory of the immobilizer control unit-receiver. Refer to **CLEARING TRANSPONDER CODES OF LOST PROGRAMMED IGNITION KEYS**.

If your customer has lost all of the programmed ignition keys, he or she will need to have them replaced and to have the immobilizer control unit-receiver rewritten. Refer to **REPLACING ALL PROGRAMMED IGNITION KEYS**.

Preparation

To start the engine without a programmed ignition key, you need these items:

- Immobilizer Key blank (See table for applicability.)

Model	Immobilizer Key Blank P/N				
	Master Key			Valet Key	
	35113-S84-A02	35113-S0X-A01	35113-S9A-A01	35114-S84-A02	35114-S9A-A01
2001–02 Civic KK	X			X	
2001–02 Civic KU	X				
2003 and later Civic KK		X			X
2003 and later Civic KU			X		X
2002 CR-V KK, KU			X		
2003 and later CR-V KK, KU		X			
2002 and later Fit KK, KT			X		
2001–02 Stream KK, KU	X				
2003 and later Stream KK, KU			X		

- Key code for the vehicle
- Suitable key cutter
NOTE: For models using sidewinder-type keys (P/N 35113-S0X-A01, P/N 35113-S9A-A01, or P/N 35114-S9A-A01), you must use the MATRIX H Key Cutting Machine.
- Immobilizer Brake Code [This five-digit code is available on the Interactive Network (iN). From the iN main menu, click on **SERVICE**, and then click on **Immobilizer Code Inquiry**. Enter the VIN, and then click on **Submit**.]

Procedure

1. Use an appropriate key blank and a suitable key cutter to cut a temporary ignition key. Refer to S/B 01-077, *Cutting Sidewinder-Type Keys With the MATRIX H Key Cutting Machine*.
2. Release the parking brake.

3. Insert the temporary key into the ignition switch.
4. Turn the ignition switch to ON (II).
5. Enter the first digit of the five-digit Immobilizer Brake Code by setting and releasing the parking brake that number of times within **30 seconds**. For example, if the first digit is four, set and release the parking brake four times.
6. Turn the ignition switch to LOCK (0). (This enters the digit into the ECM/PCM.)
7. Turn the ignition switch to ON (II), set and release the parking brake the appropriate number of times, and turn the ignition switch to LOCK (0) to enter the second, the third, the fourth, and the fifth digits.
NOTE: When you turn the ignition switch to ON (II), the immobilizer system indicator does not blink but stays on. The immobilizer system indicator stays on even when the ignition switch is turned to LOCK (0).
8. After you enter the fifth digit and turn the ignition switch to LOCK (0), the immobilizer system indicator blinks three times and then goes off. You can now start the engine with the temporary key.
NOTE: This procedure is only a temporary fix. When you start the engine with the temporary key, the immobilizer system indicator comes on and stays on while the engine is running. And when you turn the ignition switch to LOCK (0), the indicator does not blink five times as it normally would.
9. Start the engine within **10 minutes** or you must repeat this procedure entirely.

REPLACING THE IMMOBILIZER CONTROL UNIT-RECEIVER

When you replace the immobilizer control unit-receiver, you must rewrite it with the HDS Pocket Tester or the engine cannot start. The Pocket Tester stores the transponder codes from the programmed ignition keys, transfers the codes to the memory of the new immobilizer control unit-receiver, and then instructs the immobilizer control unit-receiver and the ECM/PCM to recognize the other's unique serial code.

Preparation

To replace the immobilizer control unit-receiver, you need these items:

- Replacement immobilizer control unit-receiver
- *All* of your customer's programmed ignition keys (master and valet) for the vehicle
- HDS Pocket Tester with 1.009.001 or later software
NOTE: Make sure the setup and time are correct before you use the Pocket Tester.

- PCM Code [This four-digit code is available on the Interactive Network (iN). From the iN main menu, click on **SERVICE**, and then click on **Immobilizer Code Inquiry**. Enter the VIN, and then click on **Submit**.]

Procedure

1. Replace the immobilizer control unit-receiver. Refer to the Body Electrical section of the appropriate shop manual.
2. Gather up *all* of your customer's programmed ignition keys (master and valet) for the vehicle.
3. Connect the Pocket Tester to the 16P data link connector (DLC).
4. Insert a programmed ignition key into the ignition switch, and turn the ignition switch to ON (II). Turn on the Pocket Tester.
5. At the screen prompts, enter the VIN and the odometer reading, and then verify the correct date and time.
6. From the **System Selection Menu** screen, select **IMMOBI**.
7. From the **Mode Menu** screen, select **Immobilizer Setup**.
8. From the **Immobilizer Test Mode Menu** screen, select **Replace Immobilizer Receiver/Control Unit**.
9. From the **Replace Immobilizer Receiver/Control Unit** screen, select **Begin to register Keys in the new Immobilizer Receiver/Control Unit**.
10. From the **PCM-Code** screen, enter the PCM Code, and then follow the screen prompts. When the process is complete, turn the ignition switch to LOCK (0), and then turn off and disconnect the Pocket Tester.

REPLACING THE ECM/PCM

When you replace the ECM/PCM, you must use the HDS Pocket Tester to instruct the new ECM/PCM and the immobilizer control unit-receiver to recognize the other's unique serial code, or the engine cannot start.

Preparation

To replace the ECM/PCM, you need these items:

- Replacement ECM/PCM
- *One* programmed ignition key (master or valet) for the vehicle
- HDS Pocket Tester with 1.009.001 or later software
NOTE: Make sure the setup and time are correct before you use the Pocket Tester.

- PCM Code [This four-digit code is available on the Interactive Network (IN). From the IN main menu, click on **SERVICE**, and then click on **Immobilizer Code Inquiry**. Enter the VIN, and then click on **Submit**.]

Procedure

1. Replace the ECM/PCM. Refer to the Fuel and Emissions section of the appropriate shop manual.
2. Connect the Pocket Tester to the 16P data link connector (DLC).
3. Insert the programmed ignition key into the ignition switch, and turn the ignition switch to ON (II). Turn on the Pocket Tester.
4. At the screen prompts, enter the VIN and the odometer reading, and then verify the correct date and time.
5. From the **System Selection Menu** screen, select **IMMOBI**.
6. From the **Mode Menu** screen, select **Immobilizer Setup**.
7. From the **Immobilizer Test Mode Menu** screen, select **Replace ECM/PCM**.
8. From the **PCM-Code** screen, enter the PCM Code, and then follow the screen prompts. When you are finished, turn the ignition switch to LOCK (0), and then turn off and disconnect the Pocket Tester.
9. Do the idle learn procedure:
 - Make sure all electrical items (A/C, audio unit, defogger, lights, etc.) are turned off, then start the engine.
 - Let the engine reach its normal operating temperature (the cooling fans cycle twice).
 - Let the engine idle (throttle fully closed and with all electrical items off) for **10 minutes**.

CUSTOMER SITUATION AND REQUIRED ITEMS CHART

This chart lists the customer situations most commonly associated with the immobilizer system along with the items needed to remedy each situation. If you need to repair the system, refer to the Body Electrical section of the appropriate shop manual. If you need the HDS Pocket Tester, make sure it is loaded with the latest software and the setup for it is correct before you use it. If you are adding programmed ignition keys, clearing the transponder codes of lost programmed ignition keys, or replacing the immobilizer control unit-receiver, make sure you get *all* of your customer's programmed ignition keys (master and valet) for the vehicle, along with the key code for the vehicle (if available).

Customer Situation	Required Items
<p>Your customer has at least one programmed ignition key but wants an additional key(s).</p>	<p>2001–02 Civic KK: Immobilizer Key blank (master), P/N 35113-S84-A02 or Immobilizer Key blank (valet), P/N 35114-S84-A02</p> <p>2001–02 Civic KU: Immobilizer Key blank (master) P/N 35113-S84-A02</p> <p>2003 and later Civic KK: Immobilizer Key blank (master, chrome logo), P/N 35113-S0X-A01 or Immobilizer Key blank (valet), P/N 35114-S9A-A01</p> <p>2003 and later Civic KU: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01 or Immobilizer Key blank (valet), P/N 35114-S9A-A01</p> <p>2002 CR-V KK, KU: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01</p> <p>2003 and later CR-V KK, KU: Immobilizer Key blank (master, chrome logo), P/N 35113-S0X-A01</p> <p>2002 and later Fit KK, KT: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01</p> <p>2001–02 Stream KK, KU: Immobilizer Key blank (master), P/N 35113-S84-A02</p> <p>2003 and later Stream KK, KU: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01</p> <p><i>One</i> programmed ignition key (master or valet)</p> <p>Suitable key cutter and the key code for the vehicle (if cutting by code)</p> <p>HDS Pocket Tester and 1st Password</p>
<p>Your customer wants to clear the transponder code of a lost programmed ignition key and has at least one programmed ignition key.</p>	<p><i>All</i> programmed ignition keys (master and valet)</p> <p>HDS Pocket Tester and 1st Password</p>

Customer Situation	Required Items
Your customer has lost all of the programmed ignition keys.	<p>2001–02 Civic KK: Immobilizer Key blank (master), P/N 35113-S84-A02 or Immobilizer Key blank (valet), P/N 35114-S84-A02</p> <p>2001–02 Civic KU: Immobilizer Key blank (master) P/N 35113-S84-A02</p> <p>2003 and later Civic KK: Immobilizer Key blank (master, chrome logo) P/N 35113-S0X-A01 or Immobilizer Key blank (valet), P/N 35114-S9A-A01</p> <p>2003 and later Civic KU: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01 or Immobilizer Key blank (valet), P/N 35114-S9A-A01</p> <p>2002 CR-V KK, KU: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01</p> <p>2003 and later CR-V KK, KU: Immobilizer Key blank (master, chrome logo), P/N 35113-S0X-A01</p> <p>2002 and later Fit KK, KT: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01</p> <p>2001–02 Stream KK, KU: Immobilizer Key blank (master), P/N 35113-S84-A02</p> <p>2003 and later Stream KK, KU: Immobilizer Key blank (master, solid black), P/N 35113-S9A-A01</p> <p>Suitable key cutter and the key code for the vehicle HDS Pocket Tester and PCM Code</p>
The immobilizer control unit-receiver is faulty.	<p>Replacement immobilizer control unit-receiver (refer to the parts catalog for P/N)</p> <p><i>All</i> programmed ignition keys (master and valet)</p> <p>HDS Pocket Tester and PCM Code</p>
The ECM/PCM is faulty.	<p>Replacement ECM/PCM (refer to the parts catalog for P/N)</p> <p><i>One</i> programmed ignition key (master or valet)</p> <p>HDS Pocket Tester and PCM Code</p>
The ignition key cylinder is faulty or damaged.	<p>2001–02 Civic KK, KU; 2001-02 Stream KK, KU: If you know how to rekey locks, order the Steering Lock Assembly, and rekey the other locks to match. If you do not know how to rekey locks, order this kit only if your customer does not insist on all the locks matching. If your customer insists on all the locks matching, but you do not know how to rekey locks, order the Key Cylinder Set. Refer to the parts catalog for P/Ns.</p> <p>2003 and later Civic KK, KU; 2002 and later CR-V KK, KU; 2002 and later Fit KK, KT; 2003 and later Stream KK, KU: Order the Steering Lock Assembly only if your customer does not insist on all the locks matching; otherwise, order the Key Cylinder Set. Refer to the parts catalog for P/Ns.</p>
One or more of these locks are damaged: door(s), tailgate, glove box, trunk, trunk release handle, or rear seat trunk access.	<p>2001–02 Civic KK, KU; 2001-02 Stream KK, KU: Replace locks individually if you know how to rekey them; otherwise, order the Key Cylinder Set (refer to the parts catalog for P/N).</p> <p>2003 and later Civic KK, KU; 2002 and later CR-V KK, KU; 2002 and later Fit KK, KT; 2003 and later Stream KK, KU: Order the Key Cylinder Set (refer to the parts catalog for P/N).</p>