RKE programming steps for popular vehicles. NOTE: Procedures may also apply to similar vehicles by the same manufacturer. Always refer to Service Information for specific vehicles.

Make/Model	Notes	Procedure

Acura
 	
    RSX
    MDX
    3.2TL
    RSX
 	
Honda
 	
    Accord
    Civic
    CR-V
    Odyssey
	Be careful to maintain the time limits between steps.
	
	Insure that the hood, tailgate, and doors are closed.
	
	Aim the transmitter at the receiver in the power window master switch.
	
	The keyless receiver can store up to 3 codes. If a fourth code is stored, the first code that was input will be erased.
		1. Turn the ignition ON.
		2. Within 1 to 4 seconds, press the lock or unlock button.
		3. Within 1 to 4 seconds, turn the ignition OFF.
		4. Repeat steps 1 through 3 two more times.
		5. Within 1 to 4 seconds, turn the ignition on (fourth time).
		6. Within 1 to 4 seconds, press the lock or unlock button.
		7. The door lock actuators should cycle.
		8. Press the lock or unlock button a second time within 1 to 4 seconds to store the code.
		9. For additional transmitters, repeat steps 6, 7, and 8.
		10. Turn the ignition OFF and remove the key to exit programming mode.

BMW All models with transmitter in key head.	Up to 4 transmitters can be programmed. All transmitters to be programmed must be programmed at the same time. This procedure erases all learned transmitters.	1. Use the vehicle key to unlock the central locking system. 2. Enter the vehicle and close all doors. 3. Put the key in the ignition and switch the ignition switch to position 1 and than back to OFF, within 5 seconds. 4. Press and hold key button number 2 (arrow button). 5. While holding button number 2, press button number 1 (BMW logo) three times within 10 seconds. 6. Release button number 2. 7. The locks will cycle to confirm programming. 8. Repeat steps 4 through 7 within 30 seconds for any additional transmitters. 9. After 30 seconds with no button presses the programming mode will exit.

Buick
    Rendezvous
    Lucerne
    LaCrosse
 	
Chevrolet
    Blazer
    Impala
    Monte Carlo
    Uplander
 	
Pontiac
    Grand Prix
    Montana
 	
Saturn
    Relay
	A scan tool is required.
	
	A total of 4 transmitters can be learned.
	
	All transmitters to be programmed must be programmed at the same time. Activating program mode erases previously learned codes.
		1. Install a scan tool and access the BCM Special Functions, Lift gate Module (LGM), or Module Setup; Program Key Fobs menu.
		2. Press the START key on the scan tool.
		3. Press and hold both the lock and unlock buttons on the first transmitter. Within 5-10 seconds the scan tool will report that the transmitter is programmed.
		4. Repeat step 3 to program up to 4 transmitters.
		5. Turn off and remove the scan tool to exit programming mode.

Buick
    Rainier
 	
Cadillac
    Escalade
 	
Chevrolet
    C/K Trucks
    Suburban
    Tahoe
    Trailblazer
 	
Saab
    9-7 (some)
	Fobs can also be programmed with a scan tool.
	
	All fobs to be used must be programmed at the same time.
	
	The first fob learned will be fob # 1 and the second that is learned will be fob # 2.
		1. Enter the vehicle and close all the doors.
		2. Insert the key into the ignition lock.
		3. Press and hold the door unlock switch, then turn the ignition ON, OFF, ON, OFF, then release the unlock switch.
		4. The door locks will cycle one time to confirm programming mode.
		5. Press and hold the lock and unlock buttons on the key fob for about 15 seconds.
		6. The locks will cycle once when the fob has been learned.
		7. Repeat steps 5 and 6 to program any additional fobs.
		8. Turn the ignition key to RUN to exit the programming mode.

Cadillac
    CTS
    SRX
	All programmed key fobs will be erased. All transmitters to be programmed must be relearned during this procedure.
	
	Up to 4 fobs can be programmed. The first to be learned will be fob # 1 and the second to be learned will be fob # 2.
		1. Install the scan tool and turn the ignition ON.
		2. Navigate to the Body, RFA (or RCDLR), Special Functions, Program Key Fobs menu.
		3. Follow the directions on the scan tool to program the transmitters.

Cadillac
    Deville
    Seville
 	
Pontiac
    Bonneville
    Grand Am
	Up to 4 transmitters can be programmed.
	
	All fobs to be used must be programmed at the same time.
	
	The first fob learned will be fob # 1 and the second that is learned will be fob # 2.
		1. Install a scan tool and turn ON the ignition
		2. Navigate to the Remote Function Actuator (RFA) module: Special function, Program Key Fobs menu to activate program mode.
		3. The doors will lock and unlock to indicate programming mode.
		4. Press and hold the LOCK and UNLOCK buttons on the fob. The door locks will cycle to indicate the fob has been learned.
		5. Repeat step 4 for any additional fobs.
		6. To exit programming mode, turn off and remove the scan tool.

Cadillac
    STS
    XLR
 	
Chevrolet
    Corvette
	A scan tool can also be used to program key fobs.
	
	This procedure will take 30 minutes to complete.
	
	All programmed key fobs will be erased. All transmitters to be programmed must be relearned during this procedure.
	
	Up to 4 fobs can be programmed. The first to be learned will be fob # 1 and the second to be learned will be fob # 2.
		1. Start with the vehicle OFF.
		2. Place the fob to be learned in the console pocket with the buttons facing forward.
		3. Insert the vehicle key into the driver's door lock cylinder and cycle the key 5 times within 5 seconds. The DIC will display "OFF/ACC TO LEARN".
		4. Press the OFF/ACC part of the ignition button.
		5. The DIC will display "WAIT 10 MINUTES", then count down to 0, one minute at a time. The display will change to " OFF/ACC TO LEARN".
		6. Repeat steps 4 and 5 two more times for a total of 30 minutes.
		7. When the DIC displays "OFF/ACC TO LEARN" for the 4th time, press the OFF/ACC button again; the DIC will display "READY FOR FOB 1".
		8. When fob # 1 has been learned a beep will be heard and the DIC will display "READY FOR FOB 2".
		9. Remove fob 1 from the pocket and insert fob 2. A beep will be heard when that fob has been learned.
		10. Repeat steps 8 and 9 for additional fobs.

		11. To exit programming, press the OFF/ACC portion of the ignition button.

Chevrolet
    Cavalier
    Equinox
    Malibu
    SSR
    S/T Trucks
 	
Saab
    9-7 (some
    models)
 	
Saturn
    Vue
	A scan tool is required.
	
	Up to 4 transmitters can be programmed.
	
	On vehicles with personalization features, the transmitters are numbered #1 and #2. The first transmitter programmed will become driver #1 and the second will become driver # 2.
		1. Install the scan tool and navigate to the BCM or RFA menu, Special Functions; select Program Key Fobs.
		2. Select Add/Replace Key Fob to program a new or additional fob.
		3. Select Clear Memory and Program All Fobs option to replace all fobs or to recode driver #1 and driver #2 fobs.
		4. Follow the scan tool (Tech 2) instructions to complete the programming.

Chevrolet
    Venture Van
    GM "U" vans
	All fobs to be used must be programmed at the same time.
	
	Up to 4 transmitters can be programmed.
	
	If the BCM displays DTCs in step 5, they may have to be resolved before programming can continue.
		1. With the ignition key out of the ignition remove the BCM PRGRM fuse from the passenger side fuse block.
		2. Enter the vehicle and close all doors.
		3. Insert the key and turn the ignition to ACC.
		4. The seat belt indicator and chime will activate 2, 3, or 4 times, depending on the type of BCM in the vehicle.
		5. Turn the key OFF and then back to ACC within 1 second. If the BCM has any stored DTCs, they will be displayed by the chime and belt indicator at this time.
		6. Open and close any door. The chime will sound to indicate programming mode.
		7. Press and hold the fob LOCK and UNLOCK buttons for about 14 seconds. The BCM will sound the chime when the fob has been learned.
		8. Repeat step 7 for up to 4 total transmitters.
		9. After programming, remove the ignition key and replace the BCM PRGRM fuse.

Chrysler 　　　PT Cruiser 　　　Concorde	A scan tool is required if there are no functioning transmitters. Maximum of 4 transmitters can be programmed. Programming mode will exit after 30 seconds.	1. Turn ignition to RUN and wait until the chimes stop or fasten seat belt to cancel chimes. 2. Using any original working transmitter press and hold the unlock button for 4 to 10 seconds. 3. While holding the unlock button, press the PANIC button for 1 second. Chime will sound to indicate programming mode is ready. 4. Press and release any button on the transmitters to be programmed. All transmitters should be programmed at this time, including previously programmed transmitters. A chime will sound after each programming success. 5. Turn the ignition OFF to exit programming.
Chrysler 　　　Sebring 　　　Town and 　　　Country **Dodge** 　　　Pickup R1500 　　　Stratus R/T 　　　Caravan 　　　Dakota 　　　Durango **Jeep** 　　　Liberty	Programming is by DRB III scan tool or by "customer learn" mode. If no functioning transmitter is available the DRB III scan tool must be used. Programming mode will cancel 60 seconds after the chimes stop in step 3. All programming must be completed within this time period. Up to 4 transmitters can be stored.	Customer Learn Mode: 1. Turn ignition to run and wait until the chimes stop or fasten seat belt to cancel chimes. 2. Using any original working transmitter press and hold the unlock button for 4 to 10 seconds. 3. While holding the unlock button, press the PANIC button for 1 second. Chime will sound for 3 seconds to indicate programming mode is ready. 4. Press lock and unlock buttons together for 1 second and release. 5. Press and release any button on the same transmitter. If the code is successfully learned, the chime will sound. 6. To program additional transmitters repeat steps 4 and 5. 7. Turn ignition off.

Ford	Maximum of 4 transmitters can be programmed.	1. Enter vehicle. Close all doors.
Focus		2. Turn ignition switch from ACC to RUN 4 times within 6 seconds.
	All transmitters must be programmed at the same time.	3. Turn ignition switch to OFF.
		4. Chime will sound to indicate ready to program.
	Programming mode will exit if:	5. Within 10 seconds press any button on the transmitter. A chime will indicate code accepted.
	● the engine is started	
	● 10 second time expires	6. To program additional transmitters repeat step 5.
	● 4 transmitters are programmed.	
Ford	All transmitters must be programmed at the same time.	1. Electrically unlock the doors using the RKE transmitter of door lock switch.
F150 Pickup		
Explorer		2. Turn the key from OFF to RUN 8 times within 10 seconds, ending with the key ON. The module will lock and unlock the doors, indicating program mode.
Taurus	RKE transmitters can also be programmed using a scan tool.	
Escape		
Expedition		
Excursion	Programming mode will exit if:	
Ranger	● the key is turned OFF	3. Within 20 seconds press any button on the transmitter. The locks will cycle to indicate the transmitter has been learned.
	● 20 second time expires	
Lincoln	● maximum number transmitters are programmed (depends on vehicle)	
Navigator		4. Repeat step 3 for any additional RKE transmitters.
Mazda		5. Turn the key OFF to exit the programming mode.
B2300		
Mercury		
Mountaineer		
Mariner		

Infiniti
    G20
    G35
    FX35
    Q45
	Key fob codes can be checked and changed using a scan tool.
	
	If step 2 is done too fast the system will not enter programming mode.
	
	Up to 5 key fobs can be registered. If more than five are input, the oldest ID code will be overwritten.
	
	It is possible to enter the same key code into all five memories. This can be used to erase the ID code of a fob that has been lost, if needed.
		1. Enter the vehicle and close all doors.
		2. Insert and then completely remove key from the ignition cylinder more than 6 times within 10 seconds. Hazard warning lamps will flash twice to indicate programming mode is active.
		3. Insert the key and turn the ignition to ACC.
		4. Press any key on the fob once. The hazard warning lamps will flash twice to indicate that the code is stored.
		5. To end programming mode open the driver's door. If programming additional fobs proceed to step 6 (don't open the driver's door).
		6. To enter an additional code unlock and then lock the driver's door using the window main switch.
		7. Press any button on the additional fob. The hazard warning lamps will flash twice to indicate the code is learned.
		8. To enter another key fob code repeat steps 6 and 7.
		9. Open the driver's door to end programming mode.

Lincoln
    Town Car
    Continental
    Navigator
 	
Mercury
    Grand Marquis
	All RKE transmitters must be programmed at the same time.
	
	RKE transmitters can also be programmed using a scan tool.
	
	Additional transmitters must be programmed within 7 seconds or the process will have to be repeated from step 1.
	
	Wait at least 20 seconds after exiting programming mode to test the RKE transmitters.
		1. Turn the key from OFF to RUN 8 times (4 times. Early systems) within 10 seconds, ending with the key ON. The module will lock and unlock the doors, indicating program mode.
		2. Press any button on the transmitter. Doors will lock and unlock to confirm programming success.
		3. To program additional repeat step 2 within 7 seconds.
		4. Wait 7 seconds or turn the key OFF to exit programming mode.

Mazda 5 6	Start with the key out and all doors, trunk lid, and lift gate closed. A total of 3 transmitters can be programmed. Previously programmed transmitters may be erased during this procedure. If possible, program all desired transmitters at the same time.	1. Open the driver-side door. 2. Put the key in the ignition lock and turn the ignition to ON and back to LOCK 3 times (ending in the lock position with the key in the ignition). 3. Close and then open the driver's door 3 times, ending with the door open. The door locks will lock and unlock. 4. Push the unlock button on the transmitter twice. Door locks will lock and unlock to verify programming OK. 5. Repeat step 4 for any additional transmitter to be programmed. 6. When the last transmitter to be programmed has been learned, push the unlock button twice on that transmitter to exit programming mode.
Mazda 626 Millenia Protégé	Start with the key out and all doors, trunk lid, and lift gate closed. A total of 3 transmitters can be programmed. Previously programmed transmitters may be erased during this procedure. If possible, program all desired transmitters at the same time. Protégé will cycle locks instead of sounding a buzzer.	1. Open the driver-side door. 2. Put the key in the ignition lock and turn the ignition to ON and back to LOCK 3 times, then remove the key. 3. Close and then open the driver's door 3 times, ending with the door open. A buzzer will sound from the CPU. 4. Push the any button on the transmitter twice. Buzzer will sound once to verify programming OK. 5. Repeat step 4 for any additional transmitter to be programmed. 6. When the last transmitter to be programmed has been learned, push the any button twice on that transmitter. The buzzer will sound twice to exit programming mode.

| Nissan

Altima
Armada
Frontier
Maxima
Murano
Titan | Key fob codes can also be checked and changed using a scan tool.

If step 2 is done too fast the system will not enter programming mode.

Up to 5 key fobs can be registered. If more than five are input, the oldest ID code will be overwritten.

It is possible to enter the same key code into all five memories. This can be used to erase the ID code of a fob that has been lost, if needed. | 1. Enter the vehicle and close all doors.
2. Insert and then completely remove key from the ignition cylinder more than 6 times within 10 seconds. Hazard warning lamps will flash twice to indicate programming mode is active.
3. Insert the key and turn the ignition to ACC.
4. Press any key on the fob once. The hazard warning lamps will flash twice to indicate that the code is stored.
5. To end programming mode open the driver's door. If programming additional fobs proceed to step 6 (don't open the driver's door).
6. To enter an additional code unlock and then lock the driver's door using the window main switch.
7. Press any button on the additional fob. The hazard warning lamps will flash twice to indicate the code is learned.
8. To enter another key fob code repeat steps 6 and 7.
9. Open the driver's door to end programming mode. |
| | | |

Pontiac
     Vibe
 	
Scion
     xB
 	
Toyota
     Camry
     Corolla
	Up to 4 transmitters can be programmed.
	
	If more than 4 transmitters are programmed, the oldest transmitter code will be overwritten.
	
	There are four programming modes:
	● Add mode: used to program additional transmitters
	● Rewrite mode: Erases all previously programmed transmitters.
	● Confirmation mode: Indicates how many transmitters are already programmed.
	● Prohibition mode: Erases all learned codes and disables the wireless entry system.
	
	In confirmation mode, if no codes are stored the door locks will cycle 5 times.
	
	Open any door to exit the programming mode.
		1. Enter the vehicle, key out of ignition, close all doors except the driver's door.
		2. Insert and remove the key from the ignition twice within 5 seconds.
		3. Close and open the driver's door twice within 40 seconds and then insert the key and remove it.
		4. Close and open the driver's door twice again, then insert the ignition key and close the door.
		5. Turn the key from LOCK to ON and back to LOCK to select the programming mode:
		  ● 1 time for add mode (go to step 6).
		  ● 2 times for rewrite mode (go to step 6).
		  ● 3 times for confirmation mode (go to step 10).
		  ● 5 times for prohibition mode (see step 11).
		6. Remove the key from the ignition.
		7. The doors will lock-unlock once for add mode or twice for rewrite mode.
		8. To program a transmitter press lock and unlock buttons for 1.5 seconds and release; then within 3 seconds press either button for more than 1 second to confirm programming:
		  o One lock-unlock cycle indicates OK.
		  o Two lock-unlock cycles indicates not OK; repeat this step.
		9. Repeat step 8 to program additional transmitters.
		10. In confirmation mode the number of lock-unlock cycles will indicate the number of codes already stored and programming mode will exit. Example: 2 cycles indicates two codes are stored.
		11. If prohibition mode is selected the locks will cycle 5 times and programming mode will exit.

Pontiac
  G6
 	
Saturn
  Ion
  L300
	A scan tool is used to program key fobs.
	
	Up to 4 transmitters can be programmed.
	
	If any key fob is programmed, all fobs must be programmed at the same time.
	
	On vehicles with personalization features, the transmitters are numbered #1 and #2. The first transmitter programmed will become driver #1 and the second will become driver # 2.
		1. Install the scan tool (Tech 2) and navigate to the Program Key Fobs menu.
		2. Select the number of fobs to be programmed.
		3. Press and hold the lock and unlock buttons on the first fob to be programmed. The locks should cycle to indicate OK. NOTE: This fob becomes driver #1 key fob.
		4. Repeat step 3 for the second fob. This fob becomes driver #2 key fob.
		5. Repeat step 3 for any other key fobs to be programmed.
		6. Turn off and remove the scan tool to exit programming.

Saab 9-2	Up to 4 transmitters can be programmed.	1. Sit in the driver's seat and close all doors. 2. Open and close the driver's door. 3. Turn the ignition switch from ON to LOCK ten times within 15 seconds. The horn will chirp to indicate programming mode. 4. Open and close the driver's door. 5. Press any button on the fob to be programmed. 6. The horn will chirp 2 times to indicate that the transmitter has been learned. 7. Repeat steps 4, 5, and 6 for any additional transmitters. 8. To exit from programming mode remove the key from the ignition. The horn should chirp 3 times to confirm.

Subaru
  Forester
  Impreza
  Legacy
  Outback
  Tribeca
	A scan tool is used to program RKE codes.
	
	Up to 4 RKE transmitters can be registered.
	
	The 8 digit code is on the plastic bag of a new transmitter on the circuit board inside the transmitter.
		1. Install the scan tool and navigate to the Keyless transmitter ID registration menu.
		2. Input the transmitter 8 digit ID number into the scan tool.
		3. When the number is correct, press YES.
		4. The scan tool will display "ID registration done" when the ID is programmed.
		5. Follow the scan tool menus to program additional transmitters.

Toyota
    Tundra
    Sequoia
Lexus
    GS 430
    RX 300
	Up to 4 transmitters can be programmed.
	
	If more than 4 transmitters are programmed, the oldest transmitter code will be overwritten.
	
	There are four programming modes:
	● Add mode: used to program additional transmitters
	● Rewrite mode: Erases all previously programmed transmitters.
	● Confirmation mode: Indicates how many transmitters are already programmed.
	● Prohibition mode: Erases all learned codes and disables the wireless entry system.
	
	In confirmation mode, if no codes are stored the door locks will cycle 5 times.
	
	Open any door to exit the programming mode.
		1. Enter the vehicle, key out of ignition, close all doors except the driver's door.
		2. Insert and remove the key from the ignition key cylinder.
		3. Use the driver's door lock control switch to lock and unlock the doors 5 times, at about 1 second intervals.
		4. Close and open the driver's door.
		5. Use the driver's door lock control switch to lock and unlock the doors 5 times, at about 1 second intervals.
		6. Insert the ignition key.
		7. Turn the key from LOCK to ON and back to LOCK to select the programming mode:
		  ● 1 time for add mode (go to step 10).
		  ● 2 times for rewrite mode (go to step 10).
		  ● 3 times for confirmation mode (go to step 12).
		  ● 5 times for prohibition mode (see step 13).
		8. Remove the key from the ignition.
		9. The doors will lock-unlock once, twice, three times of five times to confirm the mode.
		10. To program a transmitter press lock and unlock buttons for 1.5 seconds and release; then within 3 seconds press either button for more than 1 second to confirm programming:
		  ○ One lock-unlock cycle indicates OK.
		  ○ Two lock-unlock cycles indicates not OK; repeat this step.
		11. Repeat step 10 to program additional transmitters.
		12. In confirmation mode the number of lock-unlock cycles will indicate the number of codes already stored and programming mode will exit. Example: 2 cycles indicates two codes are stored.

		13. If prohibition mode is selected the locks will cycle 5 times and programming mode will exit.