

	Technical Bulletin QQ Remote Control Re-Matching		NO: CIS-TS06002
			Date: 2006-6-12
Joint Signature	All Chery dealers: Content: Earlier and later remote control re-matching (QQ) Quite a few service stations reflected that there are still some remote controls failing to work normally after being re-matched. The reason lies with the fact that there are two kinds of remote controls: earlier ones and later ones, and the way to re-match them are different and not interchangeable. The service stations currently use the method for earlier remote controls to re-match the later ones, which results in the malfunction of the remote controls. Please refer to Attachment 1 for the way re-matching two kinds of remote controls. The earlier and later remote controls are different in their Manufacturer Code: 9CG for earlier ones and 9AK for later ones. Please refer to Attachment 2 for the way differentiate two kinds of remote controls Attachment 3: Function Description of S11Window Regulator, Central Locking, Remote Antitheft Controller		
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Send to: All Chery distributors CC: All persons in charge of different departments in Chery International (CI) Report to: Vice President of Chery Automobile-Mr. Zhou Biren, President of Chery International- Mr. Zhang Lin Saved by: Technical Support Division of After-Sales Service Department of CI			

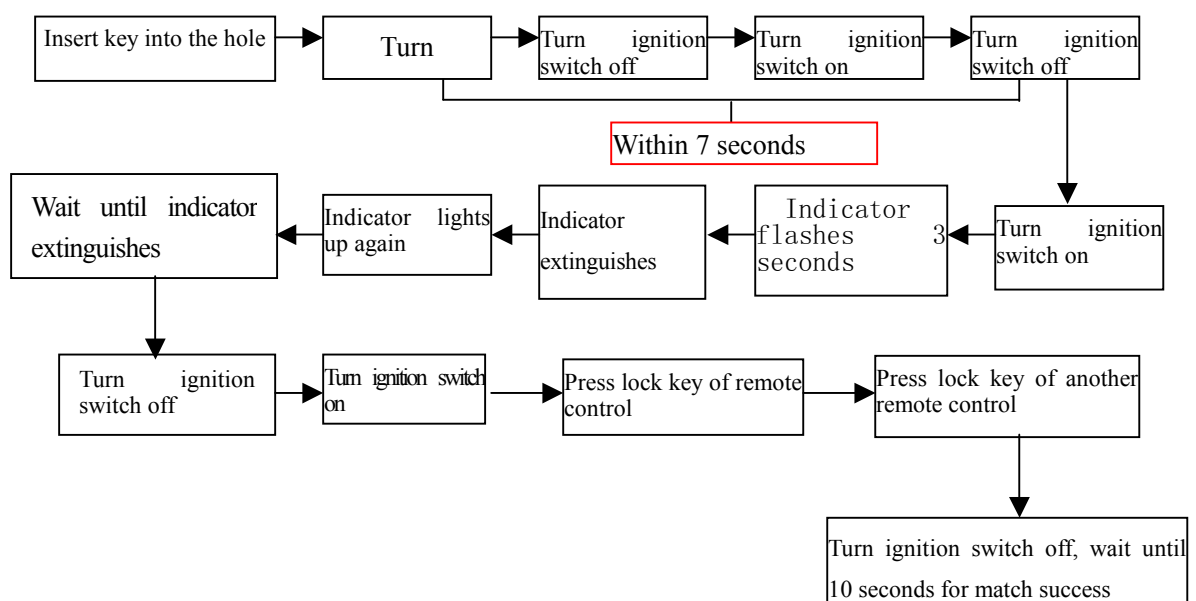
Attachment 1: Matching methods

1. 9CG match methods

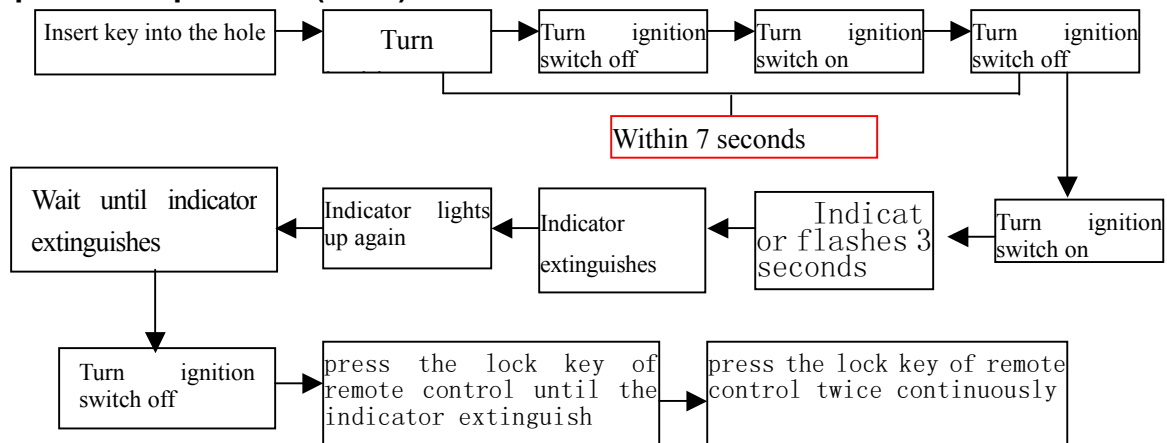
- 1) Turn ignition switch on three times within 7 seconds. Upon the third time (switch on), observe the antitheft indicator.
- 2) Antitheft indicator will flash three seconds, pause 1 second, and then light up again. Wait until it extinguishes and turn down ignition switch.
- 3) Turn ignition switch on again, and then press any key of remote control; meanwhile antitheft indicator will flash once. This indicates this remote control has entered into the system.

Note: The first remote control is set into the system After Step 3). Following that, press any key of the second remote control to set it into the system. Many service stations only operate one remote control hereto. So, another control doesn't work after setting. Furthermore, the settings will definitely fail in case of improper process or operation. In this case, do not replace remote control or module casually. Be advised to try again strictly according to this operation process. Operate as in the figure below.

Operation process(9CG):



Operation process(9AK):



Attachment 2:

QQ remote controls feature two brands and three modules.

I) 9CG, two modules

1) Module 1



(Electrical parts and relay are set on the same side in the module. It has a small lock of remote control with projected mark, a red seal circle, and two batteries.)

2) Module 2



(Electrical parts and relay are set on different sides in the module. It has a small lock of remote control with projected mark, a black seal circle, and two batteries.)

II). 9AK, one module



(Electrical parts and relay are set on different sides in the module. It has a small lock of remote control with dented mark, a black seal circle, and three batteries.)

Attachment 3

S11 Function Description of Window Regulator, Central Locking, Remote Antitheft Controller

I. Function of Window Regulator:

1. Ignition Switch:

- 1.1. Turn ignition switch on and operate Window Regulator;
- 1.2. 60 seconds after turning off ignition switch, do not operate Window Regulator;
- 1.3. Release antitheft of ignition switch.

2. Window Regulator Switch:

- 2.1. The four window regulator switches are controlled in the way big current is converted into big one with over-current protection. The four window regulators output protection for 8s.
- 2.2. Safety switch can control right front, left rear, right rear switches and operate corresponding window regulators.
- 2.3. Methods: Manual lifting, falling; automatic falling;
The specific situation is as follows:
Manual lifting: Press the lifting key of the relevant window regulator switch, the relevant window lifting motor works and window lifts; if release, it will stop;
Manual falling: Press the falling key of the relevant window regulator switch (pressed time $\geq 300\text{ms}$), the relevant window lifting motor works and window falls; if release, it will stop;

Automatic falling: Press the regulating key of the relevant window regulator switch (pressed time $< 300\text{ms}$), the relevant window lifting

motor works and window falls to the bottom or until repress lifting or falling key.

Note:

During the period of window automatic falling, if we press the relevant window regulator switch more than 300ms, window regulating will change into manual lifting mode; if less than 300ms, the window regulating will stop.

3. Close window by remote control:

With antitheft remote control, window regulating motor works automatically, which makes window lift and fall in turn.

II. Central Locking

1. The left front door key turns on and off the central locking independently;

2. key Switch:

2.1. The central locking closes automatically after ignition switch is turned on for five seconds; if ignition switch is turned on within five seconds with door, engine hood and boot lid open, the system will not be locked automatically so that driver is not locked outside.

2.2. The central locking is automatically open after ignition switch is turned off.

3. Unlock/Lock by remote control

3.1 Press unlock button of remote control, the central locking is unlocked; press lock button of remote control, the central locking is locked;

3.2. When ignition switch is on, remote unlocking/locking only works, but turning lights do not flash;

3.3. With door open, the remote control locks, turning lights flash three times and meanwhile warning horns make sound three times;

3.4. If the system is touched under the condition of antitheft, the turning lights flash four times and meanwhile warning horns make sound four times when remote unlocking is out of antitheft.

4. Protection: If central locking unlocks/locks continuously for eight times within 10s, central locking does not work for 15s to protect itself.

5. Priority: Central locking and window regulator do not work together; at the time of conflict, central locking works at first, while window regulator stops running; when central locking stops, window regulator goes on with the previous work.

6. Repeated Action Protection: the action that results the same state as the current will not be carried out.

III. Remote Alarm:

1. This remote alarm adopts double buttons, the other of which is

- locking button, the other is unlocking button.
2. Antitheft: Press the locking button of remote control, then lights flash for one time, central locking locks up automatically, meanwhile engine does, and antitheft indicators flash slowly which shows the system is in a warning state. If the system is touched, lights will flash and warning horns work.
 3. Release Antitheft: Press unlocking button of remote control, lights will flash for two times, unlock automatically, meanwhile release engine locking, antitheft indicators shut down.
 4. Release Warning by Two Stages: When the system is touched, press any button of remote control to stop alarm, but the system is still in the warning state and door is still locked. If the system continues receiving invading signal, the alarm will call again after a short pause. If the alarm is released completely, press unlocking button again after the first release of alarm.
 5. Secondary Antitheft: After the release of alarm, if ignition switch, door, engine hood and boot lid still close within 30s, the alarm will return in a warning state and central locking locks automatically.
 6. Repair Mode:
 - 6.1. Repair Mode: With ignition switch on, press unlocking button more than 3s, the system will be in repair mode; direction lights flash for three times, antitheft indicators keeps on.
 - 6.2 Out of Repair Mode: With ignition switch on, press the unlocking button more than 3 seconds, the system quit Repair Mode; alarm horn alarms for three times and antitheft indicators shut down.
 7. Anti-robbery mode:
 - 7.1. With ignition switch off, press the locking button more than 3 seconds, the system goes into Anti-robbery mode, the alarm horn alarms continually and turning lights flash continuously.
 - 7.2. With ignition switch off, press the locking button, the system will be out of Anti-robbery mode.
 8. Code adapting mode: A controller can adapt to four remote controls.

Attachment:

I. The Release of Ignition Switch Alarm

1. Turn ON and OFF IGN three times within 7 seconds, then turn the IGN to ON position.
2. Antitheft indicators flash briefly for 3 seconds.
3. Antitheft indicators will pause for 1 second after flash briefly for 3 seconds.
4. Turn the IGN OFF when the antitheft indicators flash once only.

II. Code adapting mode 1:

1. Turn ON and OFF IGN three times within 7 seconds, then turn the IGN to ON position;

2. Antitheft indicators flash briefly for 3 seconds;
3. Antitheft indicators will pause for 1 second after flash briefly for 3 seconds;
4. Turn the IGN OFF when the antitheft indicators flash once only;
5. With IGN ON, press any button of Controller again (pressed time>2s) to adapt to the system;
6. Turn the IGN OFF;
7. 10 seconds after IGN is off, code adapting mode is over.

III. Learning code mode 2:

1. Turn ON and OFF IGN three times within 7 seconds, then turn the IGN to ON position;
2. Antitheft indicators flash briefly for 3 seconds;
3. Antitheft indicators will pause for 1 second after flash briefly for 3 seconds;
4. Turn the IGN OFF when the antitheft indicators flash once only.;
5. Press any button of Controller again (pressed time>2s) to adapt to the system;
6. Turn the IGN off;
7. Code adapting mode is over after 10 seconds.