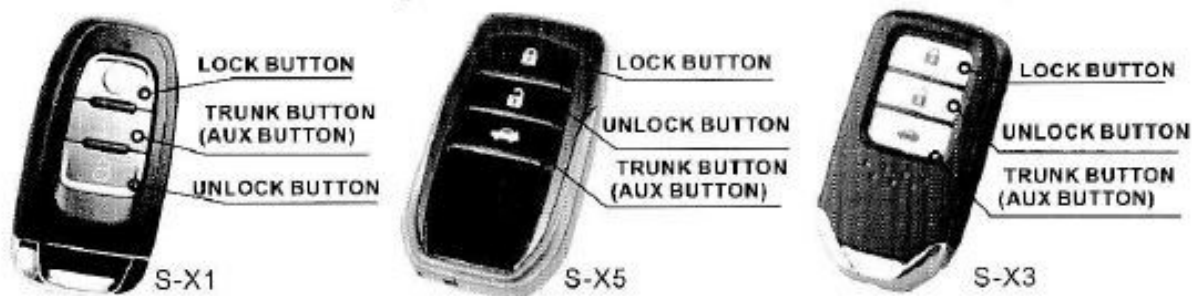


## ULTRA RFI REMOTE ENGINE START/STOP SYSTEM BWASQ8803

### Warning:

1. When you leave the car with Remote Control and lock the doors, please make sure there is no passenger, especially child, whose body is staying on the slide rail of the open window to avoid any injury.
2. The user shall take the Remote Control along with him/her, and take good care of it. (Please do not leave the Remote Control in the car to avoid loss caused by Remote Control battery low or electromagnetic interference)
3. The model of the Battery: CR2032



### Main Function:

Passive Keyless Entry System;  
 Push Button Start /Stop System;  
 Service mode, mute mode;  
 PKE function enable or disable;  
 Detect car situation by itself, Rolling Code protection  
 Remote Start /Stop engine Function;  
 Illegal start alarm;



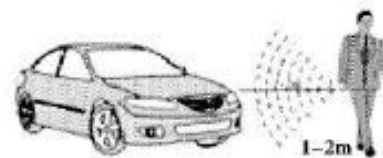
### Description:

#### 1. Passive Alarm/Lock status:

When the remote is taken out of 3-5 meters, siren will sound one time, then the system will be in alarming status automatically and lock car door automatically under the mute mode, siren not sounds.

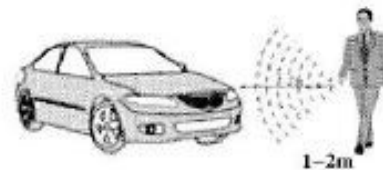
#### 2. Passive Disalarm/Unlock status:

When the remote is within 2 meters, then system will be automatically in disalarm status and unlock, under the mute mode, siren not sounds.



#### 3. Mute Arm or Disarm:

Manually press remote middle button one time, system is in the mute arm status, if want to exit mute mode, press remote unlock button one time, and then press middle button one time under the mute mode, no siren sound when trigger alarm.





#### **4. PKE Function Enable & Disable:**

- 4.1) In disarm status, hold the lock button + unlock button concurrently for 6 seconds; the siren will sound once, it indicates that the alarm system's PKE function is enabled, under this mode, only remote lock and unlock car door, however, if repeat same action again, the siren sounds three times, PKE function is disabled!
- 4.2) If not use remote more than 2 days, PKE function will be auto off, this feature is to save remote power!

#### **5. Remote engine start instructions:**

- 5.1) In armed mode, press and hold the remote lock button more than 5 seconds, siren sounds 1 time, engine attempts to start. If you want to remote stop engine, please execute above same operation.
- 5.2) Remote start car engine, car engine will be off automatically within 10 minutes if you have not unlocked the car door and step on the brake.
- 5.3) If engine is running, it won't be auto off if smart keys are out of the PKE antennas induction range. This is for safety purpose.
- 5.4) If engine is under the off status, smart key is out of the PKE antenna induction range, anyone could not start and drive the car without smart key, this is smart key identification recognized function.
- 5.5) Remember to keep the car gear on neutral position if you want to remote start!
- 5.6) Remote to connect black oil path wire if you want to remote start! Oil path wire is positive power, it has power only when start, but after engine is stopped, oil path wire has not any power!

#### **6. Alarm:**

- 6.1) Without smart key nearby car, the engine will be shut off.
- 6.2) Car is working, smart key is out, when the car shut off engine and open the door, system enter into alarm status, car won't be started.
- 6.3) In alarm, illegal tread foot brake, siren will sound 25 seconds.

#### **7. Smart key program:**

Firstly power on, hold the learning button for ten seconds, system enters learning mode, and then press any buttons of remote, learning is finished. You must finish 2 remote learning within 10 seconds. Also this learning button is reset button, you can hold this button to emergency disarm the illegal trigger alarm.

#### **8. Touch keyboard (option):**

If smart key be damaged or lost, can use code keyboard to disarm the system, then start the car. The function is option.

#### **9. Central lock Automatication:**

Open the car door, tread the footbrake, start car engine, after 15 seconds, car doors will be locked automatically, in driving; after turning off the car engine, car all doors will be automatically unlocked.

## 10. Emergency Disarm:

If you lost 2pcs smart keys or 2pcs smart keys were damaged! How to emergency disarm? at this time, press and hold the emergency reset button until alarm is disarmed after almost 7 seconds. at this time, car owner could drive the car like before! if never make a ignition after emergency disarm, after almost 2 minutes, system will be auto arm again, press emergency button once, system exits the emergency mode!

## 11. Service Mode:

Under the car engine off status, hold the remote unlock button, system enters service mode, pke function is auto be off, press unlock button again, pke function is auto returned to normal status.

## 12. Push start /stop engine:

12.1) Unlock car door, tread the brake, press button once to start or stop engine;

12.2) Unlock car door, in the winter, press the brake, press and hold on the button to start /stop engine;

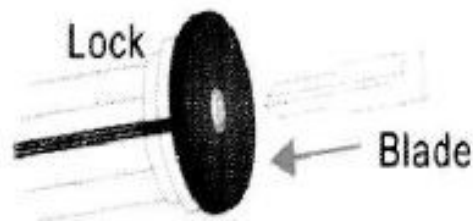
12.3) Unlock car door, without pressing the brake, press and hold on the button to start engine!

12.4) Unlock car door, without pressing the brake, press button each time, it will be ACC-ON-OFF as a circle!

## INSTALLATION FOR CHIP

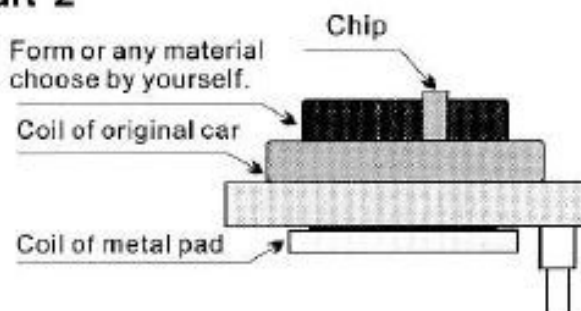
### Chart 1

The way for release the wheeling lock : insert the blade into the lockhole ,then turn it to the "ON" place



Match the blade with the original key , then insert the blade into the lockhole like the chart 1 , so that the wheeling can't be lock, then stick the push button on the face of lock.

### Chart 2



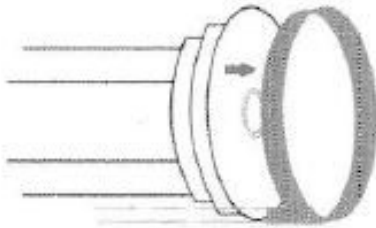
### Reminder for install the chip:

The signal of chip is weak for some kinds of the car ,it is difficult to start the car when fix it in the coil .

The way to solve this problem is enhance the induction signal of the chip (like the chart



Chart 3



Put the original remote into the coil, make sure the induction of the chip and coil is good.

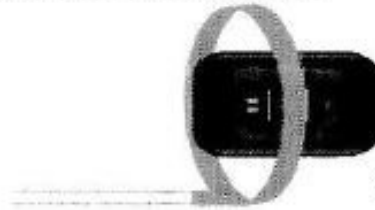


Chart 4

Take the original induction coil out from the lock

**THE MANUAL FOR RELEASE THE STEERING LOCK**

1. Make sure with steering lock function or not (if yes, follow the next step)
2. Please match one sample key with the original key by yourself (or other people), so that the sample key can be start the car.
3. When finish matched, put the sample key into the lock of car, like this picture and turn the key to the "On" place, so that the steering can be turn round, then cut and keep 1mm length of this sample key which outside of the lock.



Inside the lock  
Cut the key  
Outside the lock



Inside the lock  
Keep 1mm outside

4. Stick the Ignition switch on the lock (that is the reason for cut the key)



Stick on the lock →

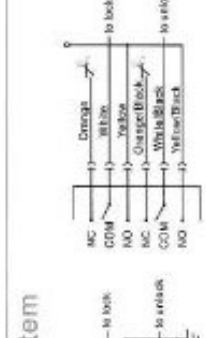
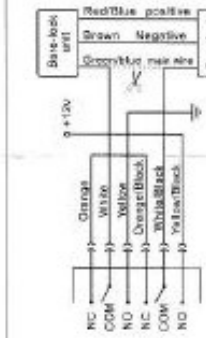
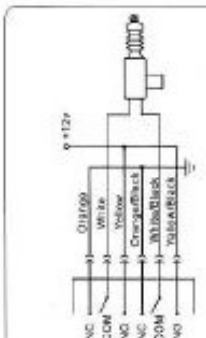
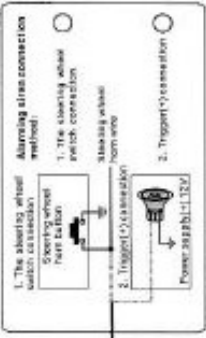
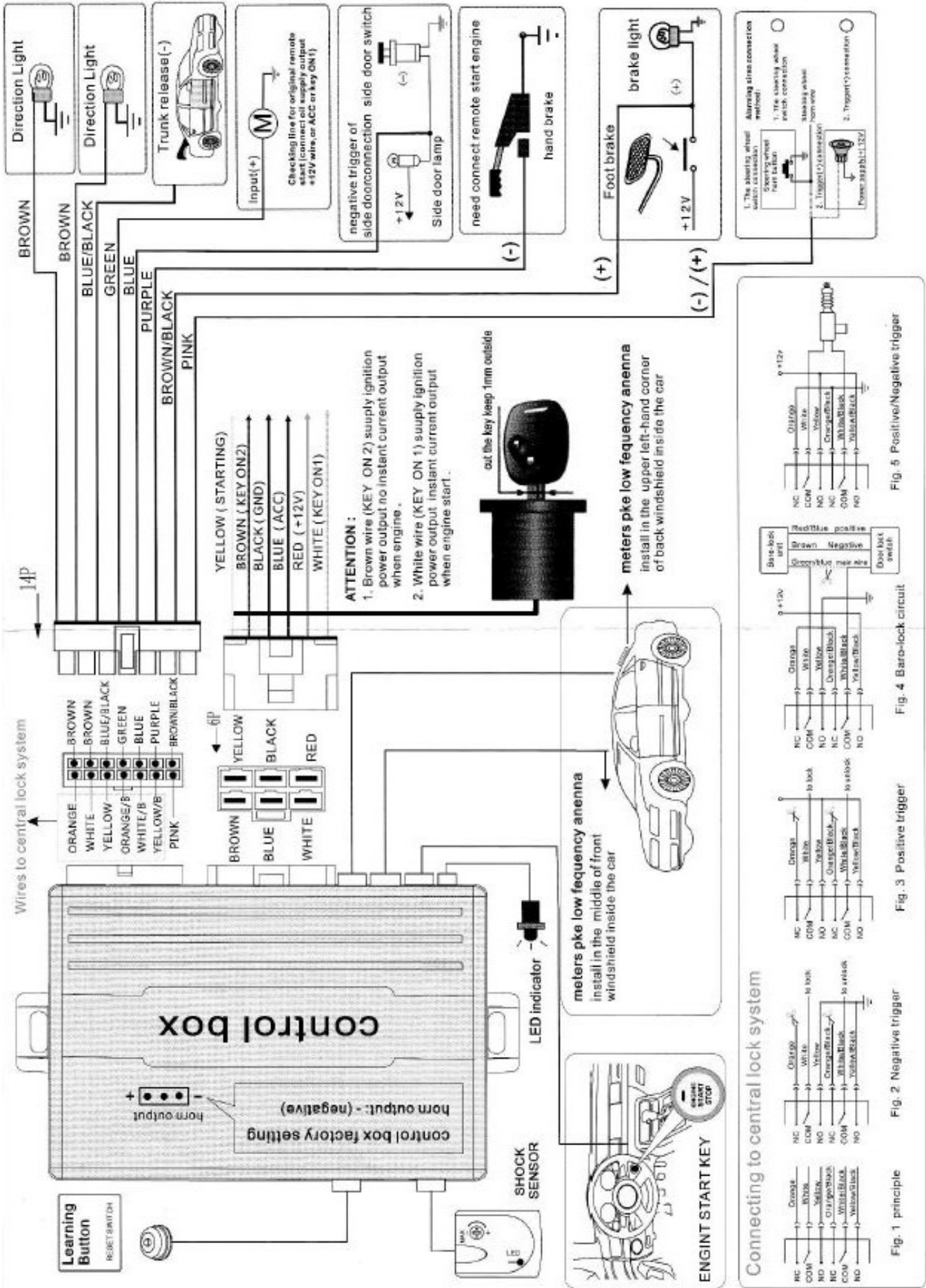


5. Attention: there is the chip in the original key or remote control, it ask for take out and hide inside in or near the steering position. but if you can't find the chip by yourself, just hid the original key or remote control in or near the steering position. (don't worry that it will not safety. since without our remote of PKE, the theft can't be open and start the car)

6. Everything finish like the picture:

If you don't like to cut the key for release the steering and instal the Ignition switch.







## SPECIFICATIONS OF ELECTRONIC

### MAIN UNIT SYSTEM

Operation Voltage:	DC12V±3V
Static current :	≤15mA(except indicator ,sensor)
PKE emission current:	40mA
Shock Sensor Curent:	≤1mA
Coding:	leaning code
Frequency:	433.92MHZ 125KHZ

### Starting System

Operation Voltage:	DC12V±3V
ACC Current:	30A
ON Current:	30A
Start Current:	30A

### Remote Control

Operation Voltage:	DC3V
Operation current:	≤8mA
Static Current:	8uA
Coding:	leaning code
Batter:	CR2032
Frequency:	433.92MHZ 125KHZ

### Trouble Shooting

Problem	Possible Causes	Solutions
The remote has no respond or response is not sensitive	1. Energy shortage of remote battey. 2. Remote is broken. 3. EMI(Electro magnetic interference) the car.	1. Change the battery if energy shortage. 2. Solute this by the password keyboard. 3. Solute this by the password keyboard
Step on the brake, can't start the car when press the ignition switch	1. Brake signal is not in normal. 2. Ignition switch broken.	1. Start with remote control in a long distance. 2. Start by the standby start scheme 1 or 2 in introduction.
There is no sound from the horn when press the lock button	1. Enter mute mode. 2. Enter the car washing mode. 3. Horn is broken.	1. Quit the mute mode 2. Quit the car washing mode 3. Chang or fix the horn.
Can not Start	1. Energy shortage of remote battery. 2. The induction chip failure. (if there is induction chip) 3. The automatic catch is not in park gear. 4. The handbrake cable is wrong fitted. 5. The oil pump cable is wrong fitted.	1. Change the battery if enery shortage. 2. Ask professional installation technician to check the chip. 3. Chang the automatic catch to park gear. 4. Check the handbrake cable switch or sure the handbrake cable is correct connected. 5. Sure the oil pump cable is correct connected.