
GSM • GPRS Microcomputer
Car Alarm System

Operating Instruction
118C

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I Product Introduction

1. Product Overview

GSM • MGPS MICRO COMPUTER CAR ALARM SYSTEM is a new version of two-way car alarm system It combines the GSM mobile communication, MGPS locating technology and MICROCHIP rolling code technology, multi-code mating and microcomputer technology The car owners can remote control the car by telephone in another place even in another city This system can call any telephone number automatically upon there is alarm in the car It can also arm, disarm, speak to the car, and cut off the electricity or petrolic circuit, remote start, and monitor If the car is lost or robbed, this system can locate the car





2. Name of the Product

GSM • MGPS MICRO COMPUTER CAR ALARM SYSTEM (118C)

3. Basic Components

1 mainframe, 2 remote controls, 1 dialer, 1 vibrator, 1 siren, 1 relay, 1 emergency help switch, 1 LED, 1 microphone, 1 bundle of output wire (12 holes), 1 bundle of input wire (8 holes), 1 bundle of input wire (4 holes), 1 bundle of start connection wire, 1 operating instruction, 1 bundle of fastening wire

4. Buttons of the Remote Control

LOCK/ 	UNLOCK/ 		
Arm	Disarm	Mute	Start

5. Technical Specification

51 Mainframe

Working Voltage: 12V

Static Current (+GSM Module): 40mA -60 mA

Arm/Disarm Working Frequency: 315MHZ-316HMZ

Cover Area and Capacity: identical to the GSM system

Location Accuracy: 10-300M (which depends on the GSM service)

Alarming Time: Last until it is disarmed or the alarm telephone is answered

52 Voltage of the Output Control Point

Ignition Control: 0V

Alarm Control: 12V

Petrol Control : 0V

Siren Control : 12V

53 Input Checking Voltage

Door: 0V

Key: 12V

Foot Brake: 12V

54 GSM Module

Frequency Range: GSM 900MHZ/1800MHZ

Voltage of Serial Interface: 28V

Stand-by Current: 11-25mA

Control Distance: No limit in the network of GSM

55 Remote Control

Working Voltage: 12V(1 A27 12V dry battery)

Working Frequency: 315MHz-316HMz

Control Distance: >20M <100M

Static Current: 0mA

56 Working Conditions

561 Mainframe

Storage Temp: -30°C-85°C

Working Temp: -20°C-65°C

Working Humidity: 25% — 95%

562 Accessory

Storage Temp: -40°C-100°C

Working Temp: -20°C-85°C

Working Humidity: 25% — 95%

57 Size of the Mainframe

134MM*120MM*34MM

II Original Settings

1. Insert a SIM Card

Before using this system, please buy a SIM card of GSM Insert the card into the back of mainframe Please remember the card number

2. Set and Modify the Code

Please change the original code of this system in order to prevent any wrong telephone call and illegal operation

Operation Solution: Dial the SIM card number to enter into the Main Menu of Operation, then to” Modify Code” to set your own code

3. Forget the Code

Solution: Make an alarm purposively by someone Answering the alarm telephone, the owner can change the code by following the voice instruction

4. Set Normal Alarm Telephone Number

2 normal alarm telephone numbers can be set into this system In case of any alarm, this system will call these 2 numbers by turns, which will never stop until one of these calls is answered

Operation Solution: Dial the SIM card number to enter into the Main Menu of Operation, then to “Alarm Phone Setting” to set the alarm telephone

5 Set Emergency Help Number

When the car enters into anti-hijacking status, the mainframe of this system will dial the emergency help number to get help As the driver may be restrained to take any action in this situation, owner had better set his intimate’s or family telephone into this emergency help number

Operation Solution: Dial the SIM card number to enter into the Main Menu of Operation, then to “Alarm Phone Setting” to set it

6 Close or Open an Alarm Telephone Number

The user can close or open one of the alarm phone numbers by entering Function Setting Menu

7 Delete an Alarm Telephone Number

Press # when you are setting the alarm telephone number The system will give a notice that there is no content Then press confirmation button to delete the number

III Function and Operation

1. Alarm and Trigger Mode

Alarm Mode of LED

In armed : LED flash 3 times, stop for 1 second

Triggered by shock: LED flash 3 times, stop for 1 second

Trigger from power-on: LED flash for 2 seconds, stop for 2 seconds

Disarming after being triggered: LED flash for 3 seconds

Alarm Mode of Door/Ignition Start/Foot Brake Trigger

In the armed condition, there will be alarm if the door is opened, or the car is ignited, or someone steps on the foot brakes

Alarm mode: A The siren beeps

B The turn light flashes for 25 seconds

C System calls the alarm phone number

Shock Alarm

In the armed condition, any window breakage, bump will induce telephone alarm

Alarm Mode

● In armed condition, the first trigger will induce: A Beep from the siren; B Turn lights flash for 5 seconds
Another trigger in 15 seconds will induce: A The siren beeps; B Turn lights flash for 25 seconds; C Mainframe calls the alarm telephone

● In mute armed condition, the first trigger will induce turn lights flash for 5 seconds
Another trigger in 15 seconds will induce: A Turn lights flash for 25 seconds; B Mainframe calls the alarm telephone

Power Off and Wire Cut-off Alarm

Under arming mode, if the power is off or the wire of mainframe is cut off, the phone of mainframe will dial the alarm telephone in 10 seconds

15 Alarm Memory Recall

If the car has been triggered, the siren will beep once and the lights flash for 3 seconds when the door is opened

1.6. Parking Warning

When ACC is off, the lights will flash 15 seconds to give warning to the car behind when the door is opened

1.7. Instantaneous Trigger Report

During the course of telephone operation, if somebody triggers the car, the system will stop operation at once and report the alarm situation to the car owner, and go back to the main menu automatically

2. Auto Function

2.1. Resume the Armed Condition upon Door not Opened

In disarmed condition, if the door is not opened in 25 seconds, this system will go back to the armed mode automatically

2.2. Warning of Disarm with Door Closed

When the ACC is off, if the car is not armed in 10 seconds after the door is closed, the system will beep 3 times and lights will flash 3 times to remind the car owner to arm the car

2.3. Warning of Door Opened with Car Armed

If the car is parked and armed with door not closed properly, the system will beep for 3 times and the turn lights flash. In this case, the owner should disarm the car and close the door properly. Otherwise, there will be beep 10 seconds later

2.4. Resume the Armed Condition upon Power on

If the system is destroyed, it can go back to the original condition 5 seconds after the power is recovered

2.5. Automatic Central Lock


When ACC is on, step on the brake after 15 seconds, the door will be locked automatically. When ACC is off, the door will be unlocked automatically.


26 Electric/Air Compressor Lock Optional

Switch the LUCKY TYPE off in the mainframe, air compressor lock will work; switch the LUCKY TYPE on, the electric lock will work. Selecting the lock should be carried out under power off condition.

3. Remote Control


31 Arm and Disarm

311 Press  to arm the car. Lock the door and then the system enters into light and sound alarm mode.


312 Press  to disarm the car. Open the door.

313 Press  to arm the car. Lock the door and then the system enters into silent alarm mode.



32 Search

A press of  makes the turn light flash for 25 seconds and siren beep for 25 seconds, which indicates the location. Press any button to stop the beep and flash.

33 Remote Open the Trunk

In disarmed mode, press  for 5 seconds to open the trunk. The siren will beep once.

34 Remote Open or Close the Central Lock

In driving, press  to close the central lock, and  to open the lock.

35 Emergency Help Alarm

In driving, the driver can press emergency help switch or operate the remote control as follows:

(1) Press  for 3 seconds:

A. The turn lights flash B. Siren beeps C. The engine is locked


D. The system calls the alarm phone automatically.

Press  to stop the alarm.

(2) Press emergency help switch for 3 seconds:

A. The system will call alarm phone automatically.

B. Silent alarm.

Press the switch secretly to set alarm without being detected by robbers. A press of  can stop the alarm.

4 Telephone Operation

41 Arm/Disarm by Telephone

411 Dial the phone of mainframe, and enter into the main menu of operation, then to car control menu, select arm or disarm.

412 When the car is running, the arm function fails.

413 Armed by the phone, the car can only be disarmed by telephone, and can be started by remote control.

42 Prohibit or Permit Telephone Alarm

421 Prohibit Telephone Alarm

When the car is repairing or in other abnormal condition (such as in an accident), you can set the system into prohibit phone alarm mode to avoid unnecessary alarming call.

Operation Solution: Dial the number of mainframe and enter into Main Menu of Operation, then to Function Setting Menu, select Prohibit Phone Alarm.

Notice: When the system enters into prohibit phone alarm mode, the system will not report any alarm by phone, also the original phone alarming setting fails

422 Permit Telephone Alarm

Dial the number of mainframe and enter into Main Menu of Operation, then to Function Setting Menu, select Permit Phone Alarm

43 Close /Open Vibrator by Telephone

Dial the number of mainframe and enter into Main Menu of Operation, then to Function Setting Menu, select close the Vibrator or open off the Vibrator

44 Monitor by Telephone

The car owner can monitor the situation inside the car by phone

Operation Solution: Dial the number of mainframe and enter into Main Menu of Operation, then press 2 to select Monitor Press 5 to open/close siren Press # to postpone, and “0” to quit

45 Speak to the Car by Telephone

The car owner can give voice warning to the theft by phone

Operation Solution: Dial the number of mainframe and enter into Main Menu of Operation, then press 3 to select Voice Warning Press # to postpone, and “0” to quit

46 Stop the Engine by Telephone

Dial the number of mainframe and enter into Main Menu of Operation, then press 4 to select Car Control Menu, and then press 5 to select Prohibit Car Driving The turn lights flash for 50 seconds, and then the siren beeps with light flash for 50 seconds After that, the engine is stopped in 10 seconds

If the car is stopped by phone, only a release by phone can start the engine Both stopping and starting order are mandatory orders They only switch the petrolic/electrical circuit on/off, which doesn't affect the armed/disarmed condition

47 Lock/Unlock the Door by Telephone

Dial the number of mainframe and enter into Main Menu of Operation, then press 4 to select Car Control Menu, and the press 3 to lock, 4 to unlock

48 Inquire by Telephone

Select Inquiry in the Main Menu of Operation to inquire the condition of the car All the conditions are as follows

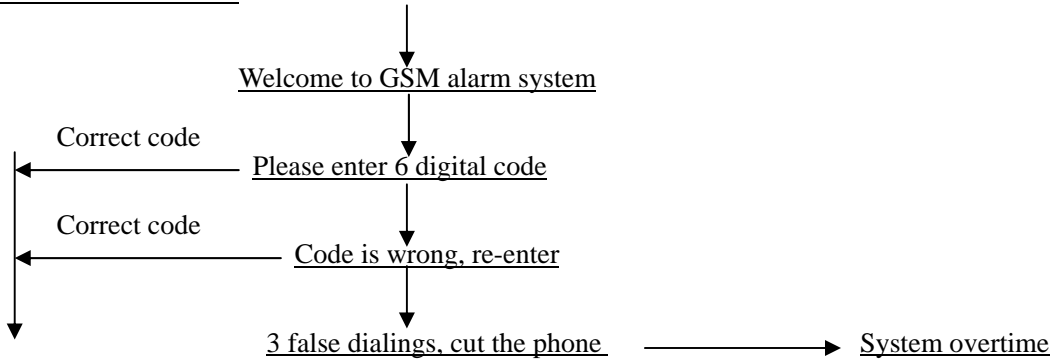
- Disarm means that the owner has disarmed the car by remote control
- Arm that the owner has armed the car by remote control
- Armed by Telephone means that the owner has armed the car by phone
- Unlock means that the door has been closed but unlocked
- Lock means that the door has been closed and locked
- Door Open means that the door has not been closed properly
- Running means that the ACC on the position of ON
- Already Disable Alarm that the owner has sent the order of prohibiting alarming
- Already Enable Alarm Running means that the owner has sent the order of allowing alarming
- Already Disable Car Running means that the owner has sent the order of prohibiting driving car
- Already Enable Car Running that the owner has sent the order of allowing driving car
- Incomplete Setting means that the owner hasn't set any alarm telephone

5 Telephone Operation Menu

51 Enter into the Telephone Operation

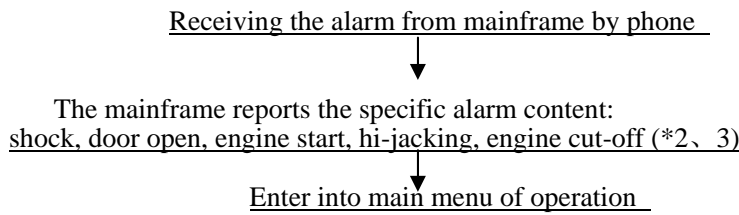
Dial the mainframe phone according to the voice instruction, and enter into the normal operating status after input the correct password

Dial the number of mainframe



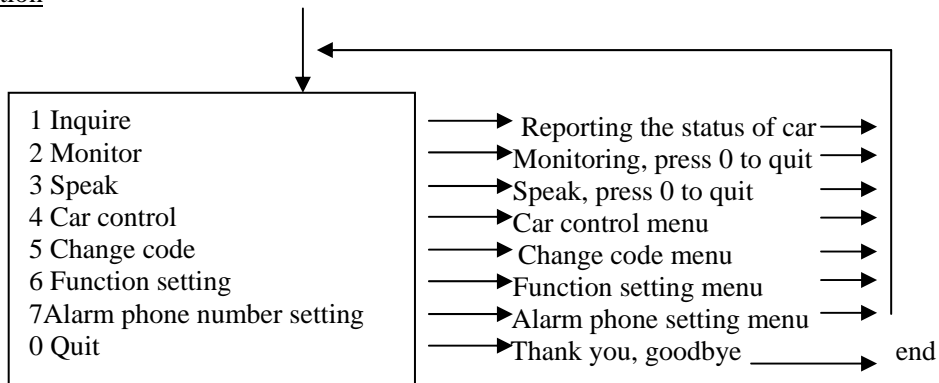
Enter into main menu of operation

It is no need to input the code for the owner when he gets the alarm report He can operate this system by following the voice instruction after answering the alarm call



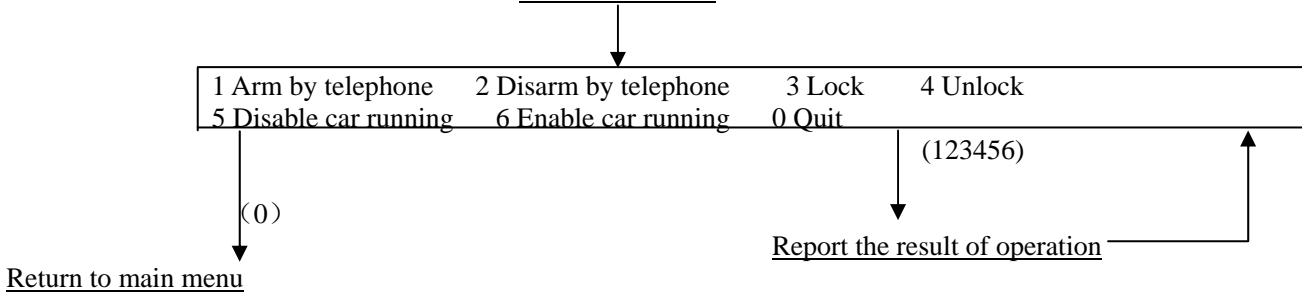
52 Operation Menu

Main menu of operation

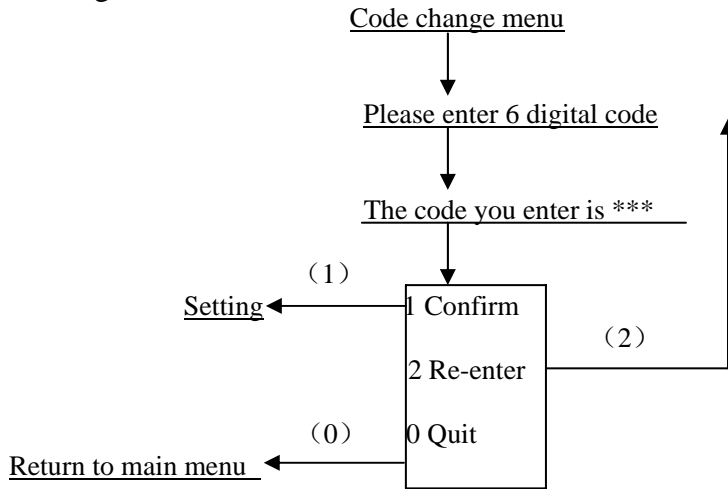


53 Car Control Menu

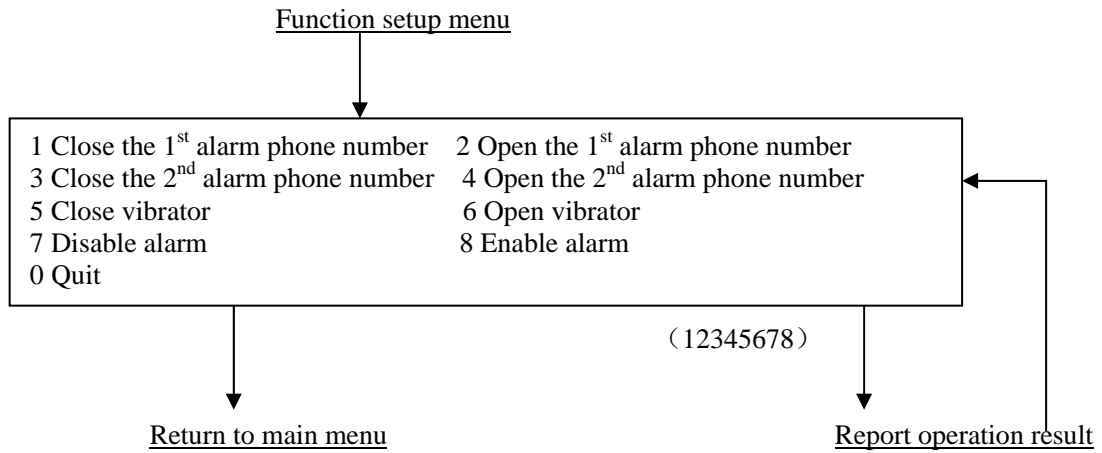
Car control menu



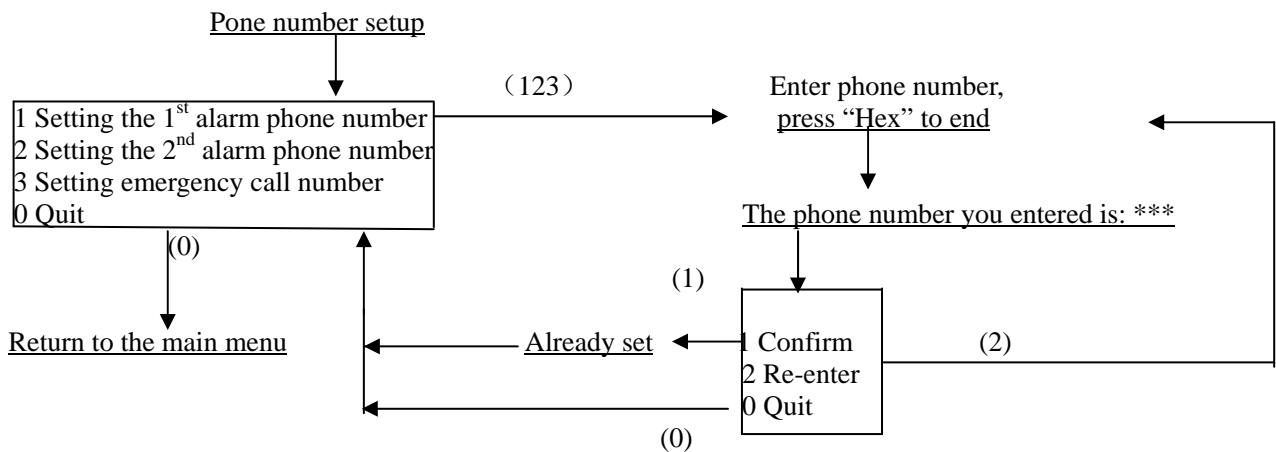
5.4. Code Change Menu



55 Function Setting Menu



5.6. Alarm Phone Number Setting Menu



6. MGPS Location

61 The system support MGPS mobile network location As long as the local telecom supply the mobile locating service, this system can locate the car

62 Having installed this system, the owner should go to the local telecom to apply the mobile locating service

7. Car GSM Mobile Phone

7.1. The usage of the GSM mobile phone in the mainframe is the same as the normal mobile phone

7.2 The car mobile phone is wireless, hand-free, with microphone and loud speaker The car mobile phone can only be used in disarmed condition Dial the number, the system will remind you by voice: 1 Mobile, 2 System control Select 1 to enter into mobile mode

IV Installation

1 Introduction

1.1. Please select experienced technicians to install this system

1.2. The installation should be carried in the working condition for this system

1.3. Prevent this system from dust and humidity

1.4. Install this system in a secret place

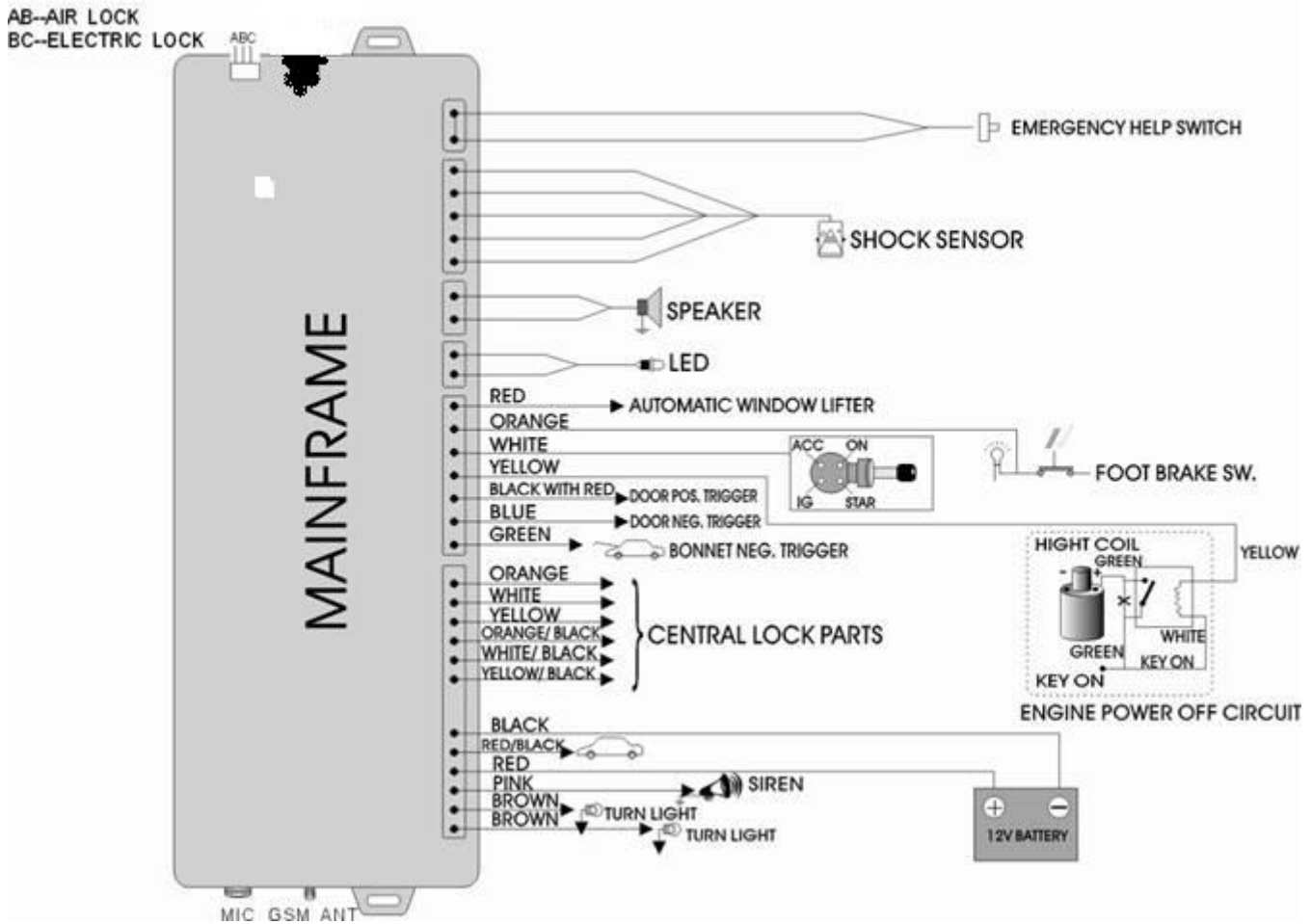
1.5. Fixing, wiring connecting, binding should be carried on carefully

1.6. Read the operating instruction, wiring connection and illustrated diagram carefully This company is not liable for any failure results from wire changes without permission

1.7. Please test this system according to this manual after installation

2. Wiring Connection

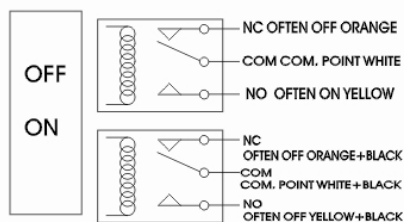
2.1. Wiring Connection for Mainframe



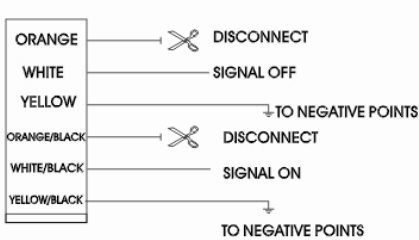
2.2. Wiring Connection for Central Lock

WIRING CONNECTION FOR CENTRAL LOCK

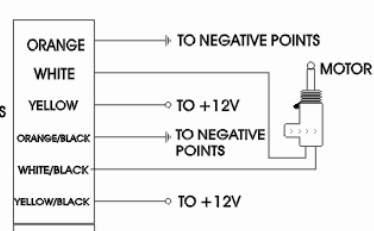
STRUCTURE OF CENTRAL LOCK



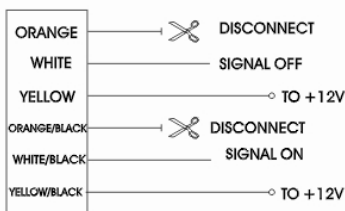
NEGATIVE TRIGGER



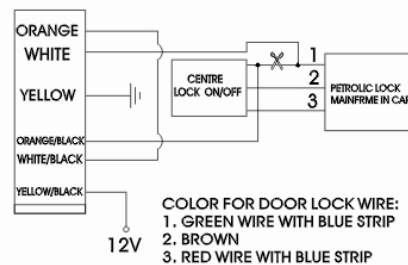
POSITIVE-NEGATIVE TRIGGER



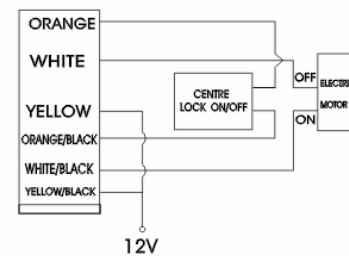
POSITIVE TRIGGER



CIRCUIT FOR PETROLIC LOCK



POSITIVE CIRCUIT TRIGGER



V Maintenance

1. Introduction

Generally speaking, there is no need to disconnect the mainframe to have maintenance for the users. If there is any function failure, please contact the distributor or manufacturer for professional help.

If the car telephone works, while the remote control fails, please check and change the battery in the remote control.

If the remote control works, while the car telephone fails, please switch the power of the mainframe off and switch it on 1 minute later. Test this system after another minute.

If both the remote control and car telephone fail, please check the power of the mainframe.

If the problem can't be solved, please contact the professionals of the distributor or manufacturer.

2 Quality Warranty

- 2.1. This system is warranted to be free of defects in material and workmanship for 1 year from the date of purchase. With the Warranty Card, purchaser can replace or repair the defect in the product at the maintenance agency.
- 2.2. This warranty doesn't extend to any defect, malfunction or failure caused by abuse or misuse by the Operating Instruction. In no event shall the manufacturer be liable for any alarm system altered by purchasers.

Warranty Card

Mode _____

Product No _____

Date of Purchase _____

Date of Production _____

Maintenance Record _____

Dealer _____