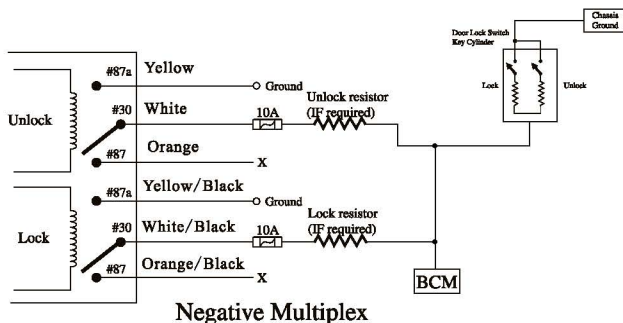
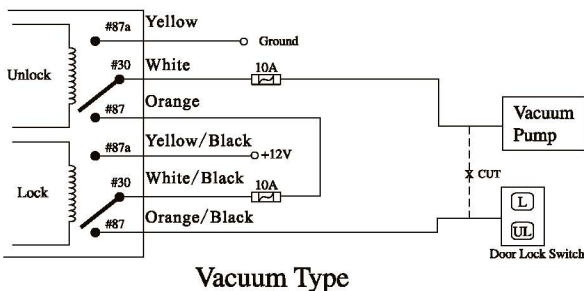


Positive Multiplex



Negative Multiplex



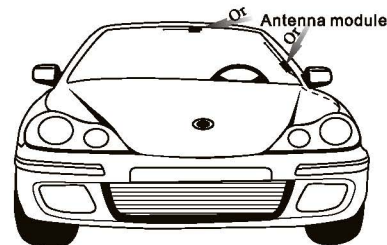
Vacuum Type

## 3. System Installation

1. Due to the complexity of this system, installation must only be performed by an authorized dealer.
2. Thoroughly read and become familiar with the installation instructions before beginning the installation.
3. Review system contents:
  - a. Main Brain Unit
  - b. Siren
  - c. Communication unit with built-in Shock Sensor
  - d. Starter Kill Relay
  - e. Remote Starter Module
  - f. Valet switch and Indicator Module
  - g. Harness:
4. Verify vehicle is equipped with electronic fuel injection, and starts/ idles normally before installation.
5. Determine if vehicle is equipped with a factory theft deterrent system and obtain proper bypass module if required.
6. Find a location to mount the hood pin switch that will not interfere with the opening of the hood, and is not in a position that can accumulate water. The hood pin is a safety device that must be installed to avoid remote starting during engine servicing.
7. Verify with the owner, the mounting locations for all visible components, including the LED and Receiver.
8. Verify with the owner, the optional features of vehicle security system and the features that must be programmed during installation.
9. Inspect and perform a function test of all vehicle systems before and after the installation.
10. Always use a Volt/ohm meter for testing vehicle circuits. Never use a test light.
11. Always look before drilling any holes or mounting self-tapping screws. Be sure fuel lines and exterior wiring looms are clear as they are often close to the chassis and difficult to see.
12. Protect all wires running from the engine compartment to the interior of the vehicle by covering with electrical tape and split loom tubing. Be sure to use a grommet when routing wires through the firewall.
13. Properly fuse any additional accessories such as starter module, window module, door lock actuators, etc., Making sure to power them separate from the alarm Main Unit. This will ensure the functionality of the security system in the event of an accessory failure.
14. Remove all fuses to avoid running down the battery during installation.
15. Roll down the driver's side window to avoid locking the ignition keys in the vehicle.
16. Wires IGN#1 and IGN#2 can not connect together.

## 4. Install Guide For Communication Unit

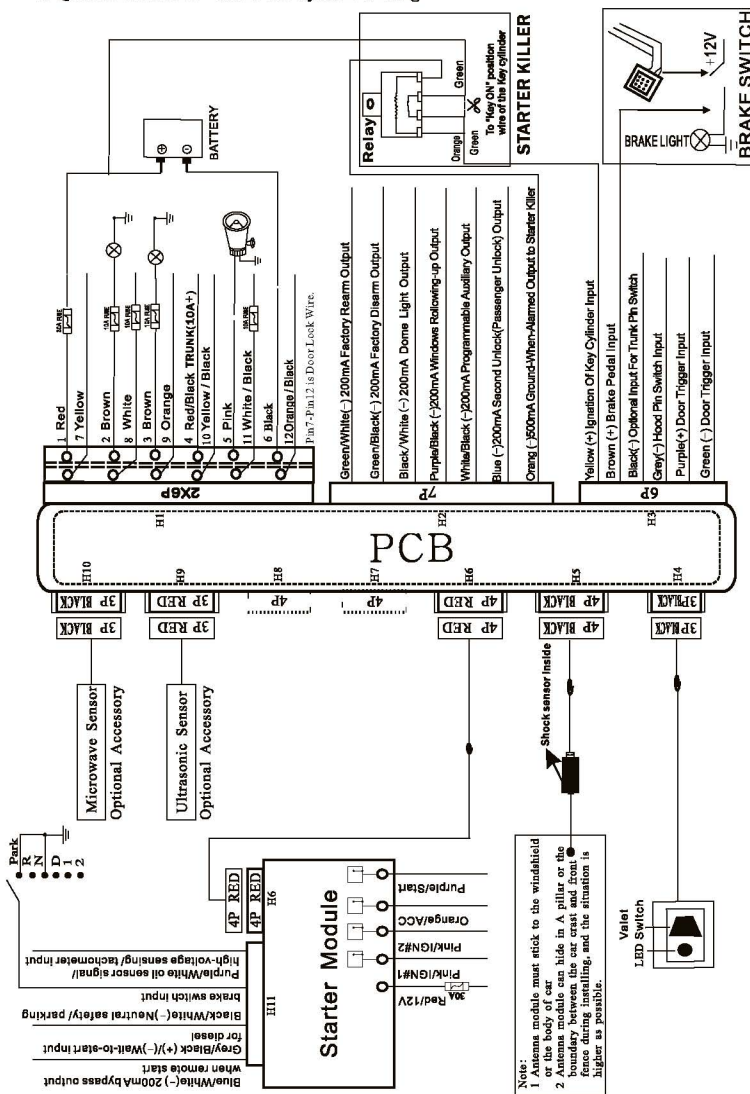
The mounting place of Communication Unit has a substantial influence upon the communication range of the system. It is recommended to install the Communication Unit to the **left-upper side (left-steering wheel)** on the front window blind of the driver's seat. Before mounting note to clean the mounting position with a wet cloth in order to glue the Communication Unit firmly.



Note:

1. Antenna module must stick to the windshield or the body of car;
2. Antenna module can hide in A pillar or the boundary between the car crast and front fence during installing, and the situation is higher as possible.

## 5. Quick Reference Guide for System Wiring



## 6. The Installation of Remote Starter

- (1) Judge the car with a encryption chip key or mot key:  
If the car has a encryption chip key, please install bypass module. The output of our bypass module is "-".
- (2) Please connect park switch for auto-car, and connect hand brake switch for manual car. The input of park wire and hand brake wire is "-".
- (3) Judge the engine type: diesel or gas  
Please connect the wire of grey/black (+) / (-) wait-to-start input for diesel if your engine is diesel.
- (4) For tach wire
  - ① You can choose tachless, that is, you need not connect tach wire.
  - ② Please connect the tach wire to oil wire if you want to detect the oil.
  - ③ Please circle the tach wire to high-voltage coil for 3-5 circles if you want to detect the high-voltage.
  - ④ Please connect the tach wire to tachometer if you want to detect the tach.

Notes:  
It will be no protection function for engine with excessive high speed if you choose tachless or oil connection.

- (5) For five big wire  
IGN1, IGN2, ACC, START wire is separate output wire.
  - ① Power (RED) wire connect battery "+".
  - ② For ACC wire.  
When the key is at the position of ACC, the wire with power is ACC wire.
  - ③ The judgement for IGN1 and IGN2  
When the key turns to ON position, IGN1 and IGN2 both have power, then, the key turns to START position, it will be IGN2 wire if the power of this wire is disconnected. Your car can connect IGN1 or IGN2 at will if the power of both wires is connecting.  
Notes:  
Why our designer separate IGN1 from IGN2?  
Our wiring way conforms to the starting process of existing vehicle. Air conditioner system is controlled by IGN2, for example, some models of GM. When starting, air conditioner system must be disconnect to guarantee the sufficient power-supply of the battery.
  - ④ For START wire  
When the key is at the position of START, the wire with power is START wire.

- (6) Setting the vehicle  
The way of setting sees P20.  
You should guarantee the way of setting consistent with the wiring way.
- (7) After installing, the entire security put on power, put the ignition key to the "ON" position, lay down the hand brake, then put up the hand brake, set the car at the park/neutral position, turn off the ignition key, arm the car, then press "M" + "\*" to carry out remote starting, for the first time
- (8) At this time, the system starts engine for 1sec. If failed, 25sec later, the system will start the engine for 2sec; if still failed, 25sec later, the system will start the engine for 3sec; if failed again, the system will exit from the starting pattern. If the starting is successful, please maintain for 2 minutes. The ignition time of the engine is auto-adapted in the normal remote starting.
- (9) If the system armed by insufficient battery, please do not carry out remote starting function, and replace the battery as soon as possible. The system detects the insufficient battery when starting, if it is not start successfully at this time, it will quit at once.

## X FAQ

PROBLEM	POINTS TO VERIFY AND SUGGESTION
1. Alarm will be triggered by shock sensor whenever a heavy vehicle passes by or by something unexpected after you park and arm your vehicle?	Reset the sensitivity of your shock sensor.
2. The Horn/Siren does not work?	Verify if the Horn is damaged? Verify if the chassis ground of horn is good?
3. The Remote Control can work but can not unlock/disarm the car?	Because the code hopping technology is applied in the system, maybe the synchronization information is lost. You may take out the battery of the Remote Control and replace it after 10sec.
4. System makes no response whenever any of the vehicle doors are opened?	Check if the door pin input signal is correct? (Negative signal door for most vehicles or positive signal door for Ford series vehicle). For the vehicle (for example, Buick series) in which the Dome Light signal is supplied with some delay to shut off, it is recommended to connect the wire directly to the door pin wire inside the driver's door instead of the Dome Light.
5. Remote Central Lock does not work normally?	Verify the selection mode of Central Lock (Air of Motor)? Verify the triggering mode of Central Lock (Negative, Positive, Reverse Polarity, or Positive Loop)?
6. The Remote Control can control the main control unit normally when doors are open, but can not work when doors are closed?	Verify is chassis ground and +12V power supply is well-connected? Initialize the main control unit by removing and connecting the +12V power wire.
7. System can not start the engine by Remote Control?	Verify if Ignition Key has been pulled off from the Key Cylinder? Verify if the Parking Brake (Handbrake Bar) is well activated? Check if the vehicle is equipped with a encryption chip key? If so, it is required to install a additional bypass module. Verify neutral gear position for manual car when parking and do according to required operation. Verify your battery capability.
8. Whether the antenna attachment does insert well?	Please clean the paste place with a wet cloth and mount the Communication Unit when dry.
9. Why Remote Control do not open the door?	Please recheck your battery, especially for the car purchased for more than one year.
10. Why shock sensor and tilt sensor do not alarm sometimes?	If in multi-level security arming, the shock sensor and tilt sensor maybe not alarm On Remote Start Mode and Turbo Mode, neither shock sensor nor tilt sensor do alarm.

## LIMITED WARRANTY

This Alarm & Starter product is warranted against manufacturing defects in material and workmanship for 180 days from the date of purchase from the authorized Dealer.

During the period, the Dealer will repair the products without charging the parts and labor cost.

The warranty does not cover damage or failure caused by or attributed to Act of God, abuse, misuse, improper or abnormal usage, improper maintenance, lightning or other incidence of excess voltage, or any repairs other than those provided by the Dealer's engineer and their facility.

When warranted time is expired, Dealer will repair the products only charging the parts cost.

## Purchase Information

Name of Dealer \_\_\_\_\_

Address \_\_\_\_\_

Zip Code \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Signature of Installation Engineer \_\_\_\_\_

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.