

Car Alarm System with
Remote Engine Start



Installation Manual



Think safety think Steelmate

Manufactured by
Steelmate Co., Ltd.
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A. Components

ECU, two transmitters, shock sensor, LED indicator, siren, harness, antenna, relay etc..

B. Technical specification

Voltage:12V
Static current:<20mA
Frequency: 433.92MHz
Siren SPL: 105~125 dB

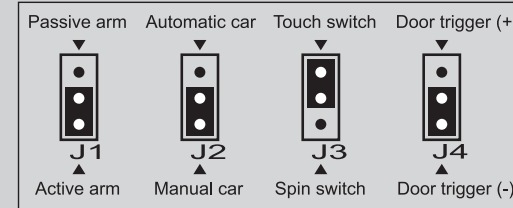
C. Factory setting

- 1. Active arm Passive arm
- 2. Neutral gear Automatic gear
- 3. Touch switch air conditioner Spin switch air conditioner
- 4. Door trigger (-) Door trigger (+)
- 5. Engine block No engine block

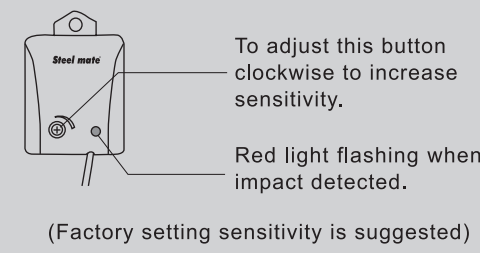
Attention

For remote engine start function, please change jump switch J2 according to manual car or automatic car.

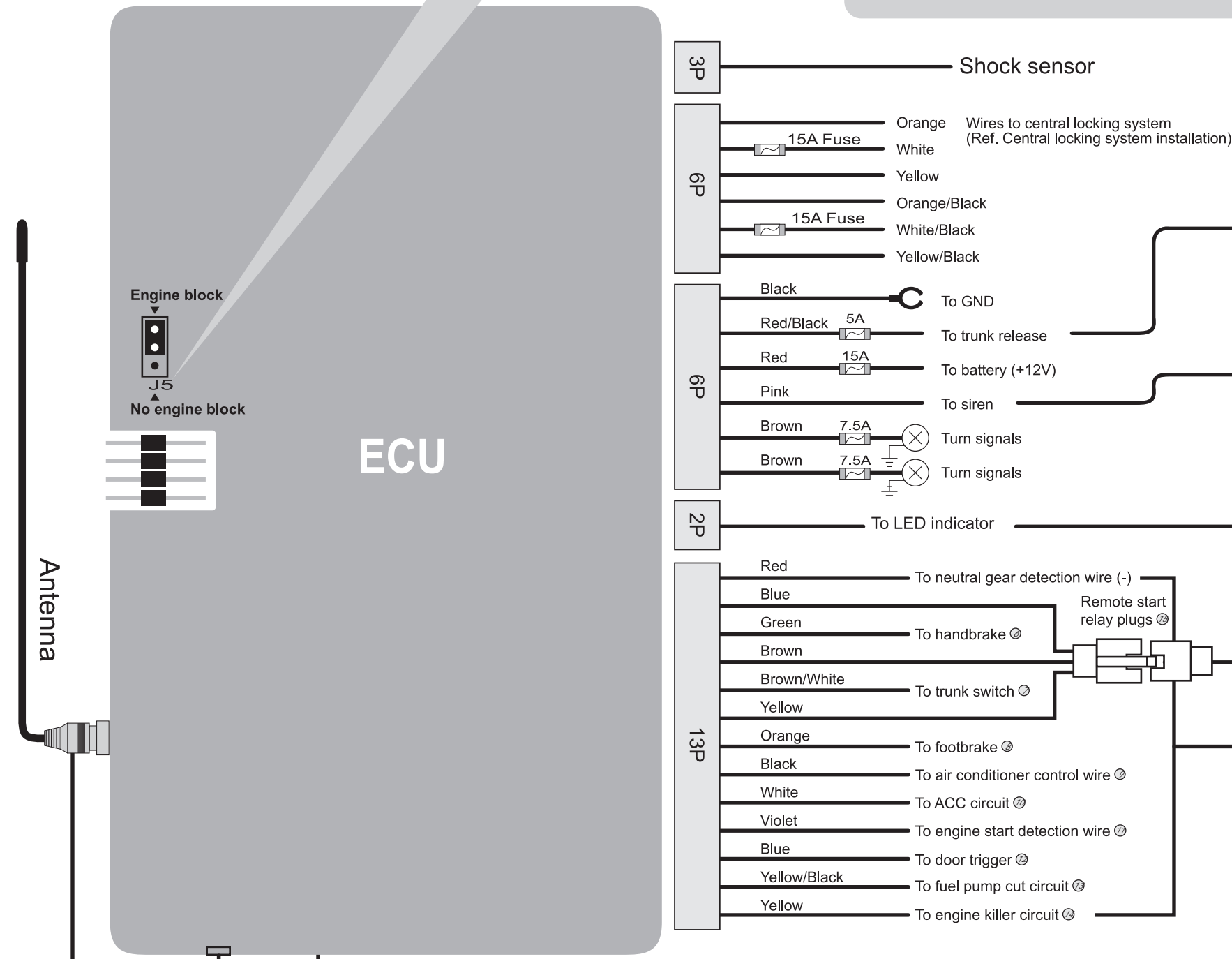
14 Jump switch



1 Shock sensor installation

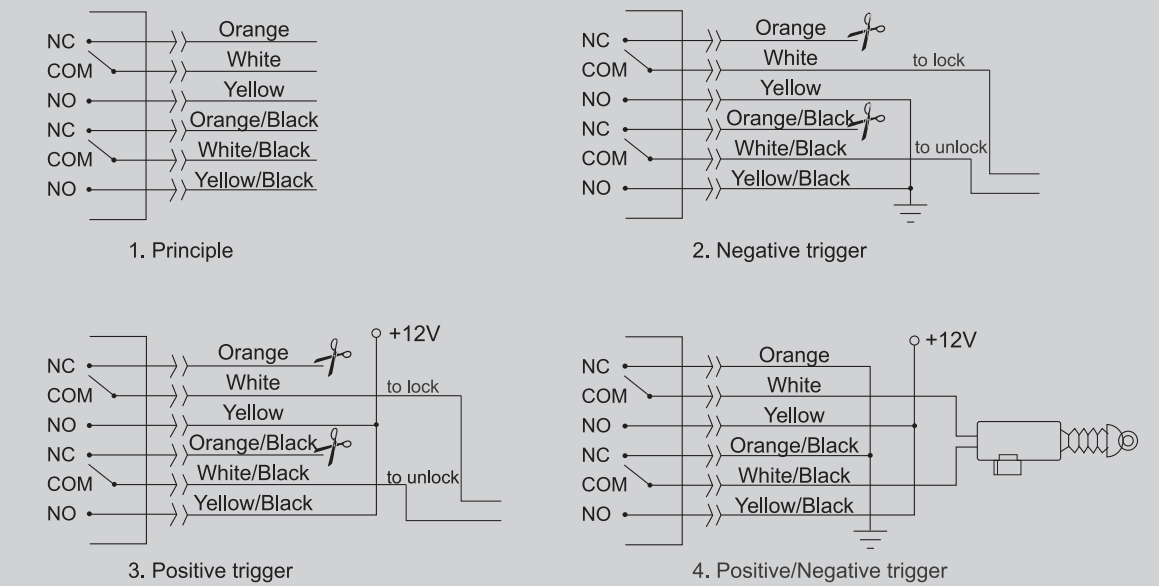


D. Installation diagram

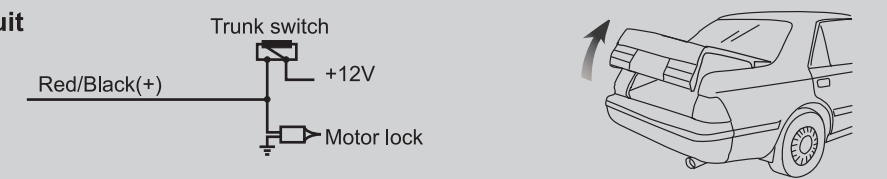


2 Central locking system installation

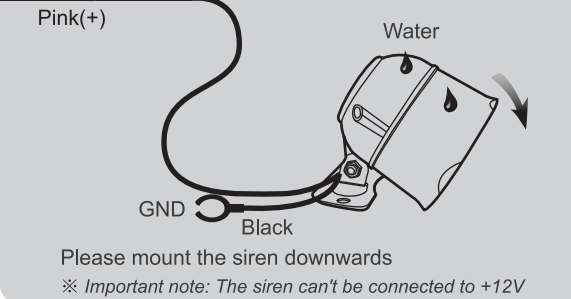
- When the car is with original central lock system, refer to Fig.2 (Negative trigger), or Fig. 3 (Positive trigger).
- When the car is with central locking system, while the driver's door do not have motor, the other doors have motor. A new motor for driver's door is needed. Refer to Fig.4.
- When the car is without central locking system, one set central locking system (additional) need to be installed. Refer to Fig. 2.



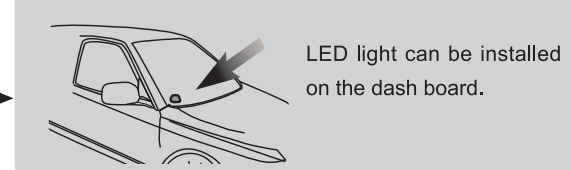
3 Trunk release circuit



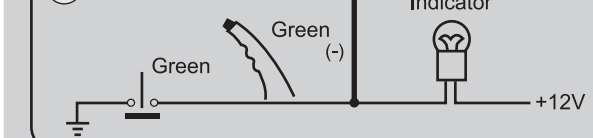
5 Siren installation



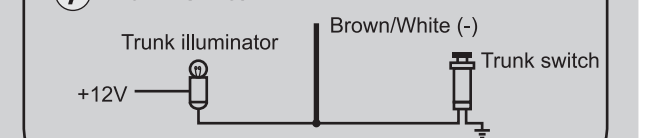
4 Installation of LED indicator



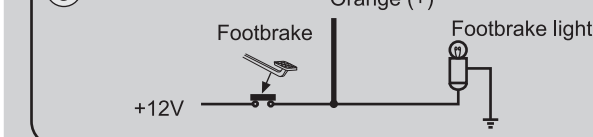
6 Handbrake circuit



7 Trunk switch



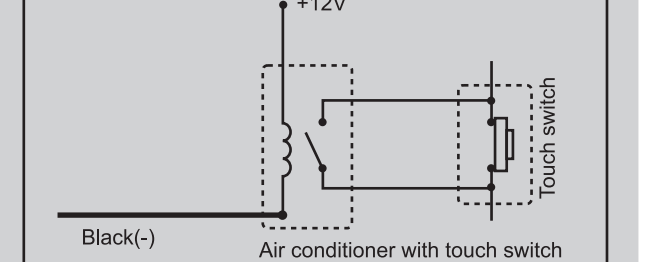
8 Footbrake circuit



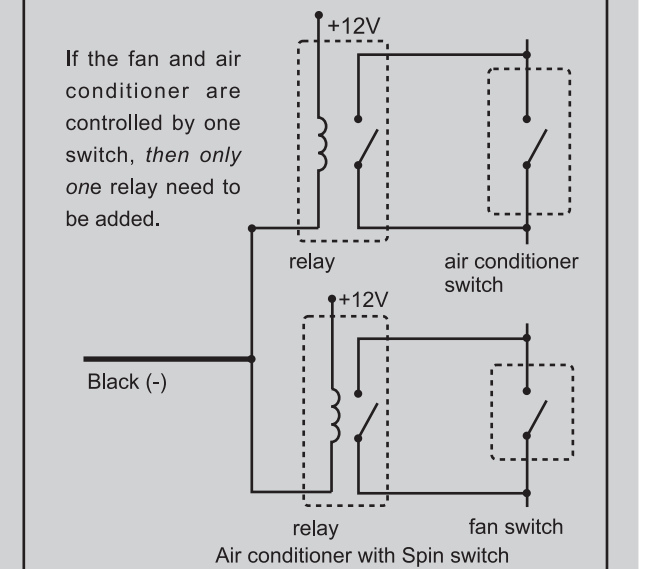
9 Air conditioner wiring.

Automatic air conditioner vehicle do not need to connect this wire.

J3 Touch switch



J3 Spin switch



Installation of ECU

- The ECU should be installed and fixed in a suitable location under the dashboard.
- Connect wires properly according to the diagram.

Learning button

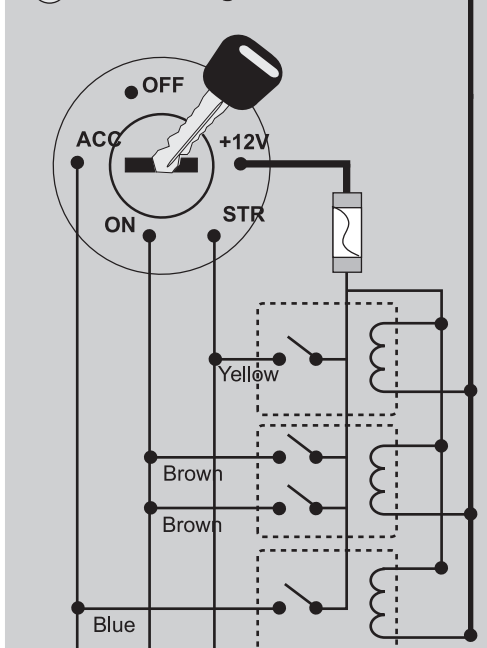
Press the learning button in the ECU, the LED indicator will turn on to enter the code learning mode.

- Press @ button of a new transmitter, the LED indicator will flash to confirm the 1st transmitter is programmed.
- Repeat steps 1) for the 2nd transmitter. Only two transmitters can be programmed.

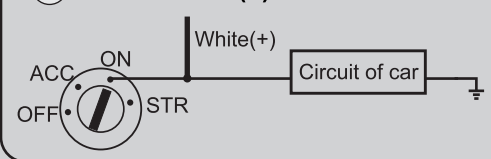
Installation of antenna

- Insert the antenna in the ECU
- Straighten and suspend the antenna

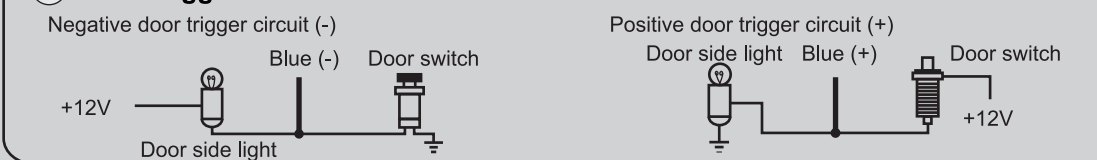
15 Remote engine start circuit



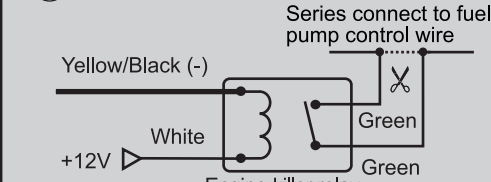
10 ACC circuit (+)



12 Door trigger



13 Fuel pump cut (-)



14 Engine killer circuit

