

AN0012

TRROUBLE SHOOTING

To test only have Red, Black, and orange wires connected. When you arm alarm you should hear a relay click inside. When you dis-arm alarm should hear another relay click inside. If relays don't click, send this unit back to factory. If relays do click and your doorlocks still do not operate properly you may have burned the relay contact tracers inside the, then you must take apart and re-solder the tracers that are burned because this is not a factory warranty repair.

SYMPTOM A: Relays inside don't click when you arm or dis-arm alarm.

PROBABLE CAUSE: A) Orange wire is not connected correctly.
B) Red or Black wires from are not connected.

SOLUTION: Make sure is the only item connected to the 500 ma. grounded wire when armed from the alarm. All other items like starter interrup-tor relay must be connect to the pink wire that has 500ma. ground when alarm is armed.

SYMPTOM B: The door locks & unlocks from AN0012 out of sequence with arm & dis-armming of alarm.

PROBABLE CAUSE: You wired lock & unlock wires in reverse.

SOLUTION: Reverse the green & blue wires. Reverse white & brown wire if wired in circuit.

SYMPTOM C: If doors lock & unlock from door switch correctly but when alarm is armed or dis-armed the smokes or blows fuses.

PROBABLE CAUSE: A) You don't have the correct door lock wires.
B) for 3 or 4-Wire systems, +12 volts or Ground are backwards.

SOLUTION: A) Find the correct door lock wires.
B) For 3 or 4 wire systems, reverse connection of +12 volts or ground on violet wire.

C) For 5-Wires systems, reverse green & white wires if smokes or blows fuses when armed to lock. Reverse blue & brown wires if smokes or blows fuses when dis-arming alarm to unlock doors.

MODEL AN0012 POWER DOOR LOCK/UNLOCK MODULE

This module can be used to add power door lock and unlock feature to most any alarm system that offers a 500 ma grounded wire when armed. This AN0012 can be used in vehicles that are equipped with factory power door locks. The DM-1 will not make manual door locks automatic without the additional use of model AN0014 motor on each door to lock or unlock.

HOW TO IDENTIFY THE TYPE OF POWER DOOR LOCK SYSTEM YOUR VEHICLE HAS

1. Remove the driver's master door lock switch assembly from the driver's door panel. You may have to remove the driver's floor pan. In some cars this switch is on the center console.
NOTE: DO NOT DISCONNECT THE WIRES FROM THIS SWITCH
2. Examine the wires coming out of the switch assembly. You should find one of the following type systems by checking the functions of each wire with using a test light or vol/ohm test meter.

A) 3-WIRE GROUNDING TYPE SYSTEM:

- * One wire is grounded all the time.
- * One wire is grounded only when switch is moved to the lock position.
- * One wire is grounded only when switch is moved to the unlock position.
- * One wire has +12 volts all the time.
- * One wire has +12 volts only when switch is moved to the lock position.
- * One wire has +12 volts only when switch is moved to unlock position.

B) 3-WIRE +12 VOLTS TYPE SYSTEM:

- * One wire has +12 volts all the time.
- * One wire has +12 volts only when switch is moved to unlock position.
- * One wire has +12 volts all the time.
- * One wire has +12 volts only when switch is moved to lock position.
- * One wire has +12 volts all the time.
- * One wire has +12 volts only when switch is moved to unlock position.

C) 4-WIRE +12 VOLTS TYPE SYSTEM:

- * One wire is grounded all the time.
- * One wire has +12 volts only when switch is moved to lock position.
- * One wire has +12 volts only when switch is moved to unlock position.
- * One wire has +12 volts all the time.
- * One wire has +12 volts all the time.
- * One wire has +12 volts only when switch is moved to unlock position.

D) 5-WIRE REVERSE POLARITY TYPE SYSTEM:

- * One wire has +12 volts all the time.
- * Two wires are grounded all the time.
- * One wire is grounded normally but will switch to +12 volts when switch is moved to the lock position.
- * One wire is grounded normally but will switch to +12 volts when switch is moved to the unlock position.

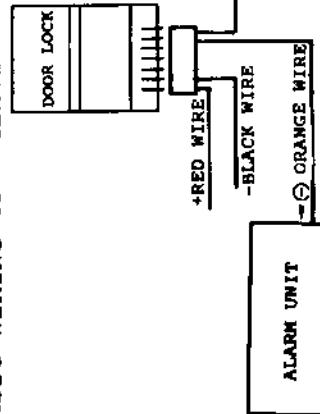
E) SPECIAL DOOR LOCKING SYSTEMS WITH DS-2 MOTOR:

- If the driver's door key unlocks & locks All the doors and when the key is used to lock or unlock the passenger's door remains unchanged then you need to install model #AN0014 motor to the driver's door to operate from the AN0012.

F) VACUUM DOOR LOCK SYSTEMS:

- If when you lock or unlock the doors you see or hear each door locking one after the other (not all at the same time) then you should have a vacuum system and will not use this AN0012. You need to use model DM-1V to work your vacuum door lock system.

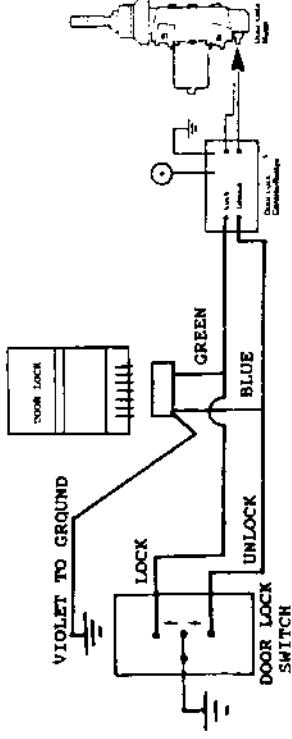
BASIC WIRING OF & AN0012 TO YOUR ALARM UNIT:



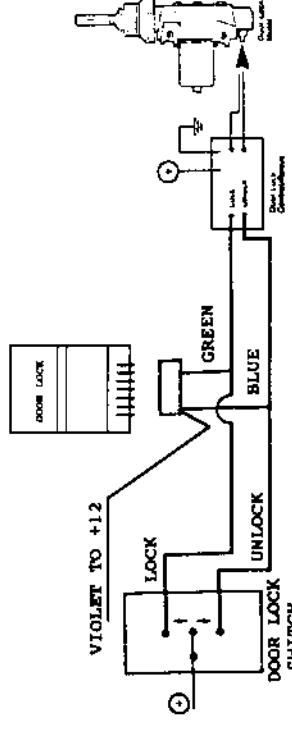
NOTE: is the only item to be connected to the alarm 500ma. grounded wire. All other items must be connected to pink wire.

(SYSTEM A) 3-WIRE GROUNDING TYPE SYSTEM:

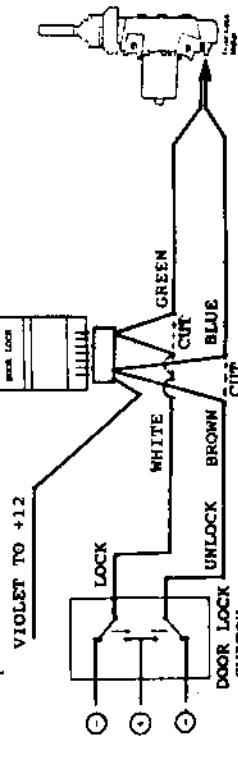
- 1) Connect the VIOLET wire to GROUND.
- 2) Connect the GREEN wire to your vehicle LOCK wire.
- 3) Connect the BLUE wire to your vehicle UNLOCK wire.

**(SYSTEM B) 3-WIRE +12 VOLT TYPE SYSTEM:**

- 1) Connect the VIOLET wire to +12 all the time.
- 2) Connect the GREEN wire to your vehicle LOCK wire.
- 3) Connect the BLUE wire to your vehicle UNLOCK wire.

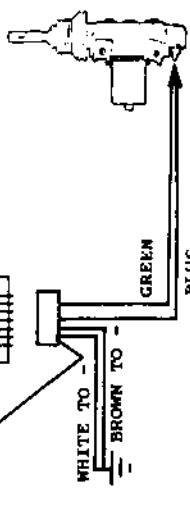
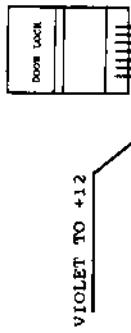
**(SYSTEM C OR D) 5-WIRE REVERSE POLARITY TYPE SYSTEM:**

- 1) Connect VIOLET wire to +12 volts all the time.
- 2) Cut the LOCK and UNLOCK wires in your vehicle.
- 3) One side of the cut lock wires will have 12v when switch is moved to the lock position. Connect WHITE wire to this wire.
- 4) Connect GREEN wire to the remaining cut LOCK wire.
- 5) One side of the cut UNLOCK wires will have 12v when switch is moved to the UNLOCK position. Connect BROWN wire to this wire.
- 6) Connect BLUE wire to the remaining cut UNLOCK wire.

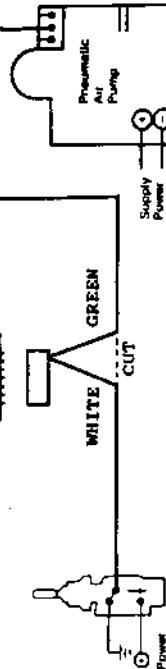
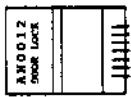
**(SYSTEM E) SPECIAL DOOR LOCKING SYSTEMS WITH OPTIONAL AN0014 MO-**

TOR:

- 1) Connect AN0012 VIOLET wire to +12 volts all the time.
- 2) Connect AN0012 GREEN wire to AN0014 GREEN wire.
- 3) Connect AN0012 BLUE wire to AN0014 BLUE wire.
- 4) Connect AN0012 BROWN & WHITE wires to GROUND

**(SYSTEM F) VACUUM DOOR LOCK SYSTEMS WITH AN0012 MODULE:**

- 1) Cut the one wire that changes back and forth from +12 volts to ground as you move switch to lock and unlock.
- 2) Connect the AN0012 WHITE wire to the vehicle wire from switch.
- 3) Connect the AN0012 GREEN wire to the vehicle wire going to pump.

**AN0012 BUILT IN RELAY WIRING BUILT IN RELAY WIRING VACUUM SYSTEM**