




Auto Security System

CODE HOPPING

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION:

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

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.

FEATURES

- ♦ All time door lock & unlock operation
- ♦ Audible and visual defective zone bypass
- ♦ Car searching
- ♦ Engine disable
- ♦ High power siren
- ♦ Extended-range R/F, remote transmitters
- ♦ Operation temperature: -40 °C to 80 °C
- ♦ Protection added on all inputs & outputs
- ♦ Remote full-time panic siren operation
- ♦ Selectable ignition-on doors lock, ignition-off doors unlock function
- ♦ Shock sensor bypass
- ♦ Silent arming
- ♦ Noise & interference-proof
- ♦ Anti car-hijack
- ♦ Audible intrusion alert
- ♦ Emergency intrusion alert
- ♦ Instant tampered trigger
- ♦ On-board EEPROM to prevent codes from lost
- ♦ Power-interrupt alarm memory
- ♦ Remote arm / disarm chirp(s) confirmation
- ♦ Remote siren muted
- ♦ Dual-stage shock sensor (Optional)
 - ♦ Silent arming / flashes confirmation mode
 - ♦ High intensity deterrent LED
 - ♦ Pager output
- ♦ Trunk release
- ♦ Ignition-on doors lock by brake pedal (Optional)
- ♦ Door open warning

Ask your dealer for option availability

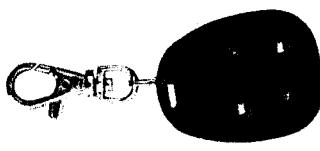
OPERATING INSTRUCTIONS

PROGRAMMING REMOTE CONTROL TRANSMITTER

Press the RESET switch and turn the car key to ON position, then connect the 10-pin connector of the main unit to power on. Four chirps will be heard from siren and mark lights flash to confirm entering programming mode. Within 30 seconds, press button 1 of the supplied transmitter. The remote is now coded to receiver and the siren will chirp once. To program the second transmitter also press the button 1 within 30 seconds right after you have done the first one. Two chirps will be heard to verify the 2nd transmitter has been coded. It can learn up to four transmitters.

FUNCTION ASSIGNMENT OF THE TRANSMITTER

1st Key	☞ While Ignition "OFF"	-----	Arm with chirps / Car search by siren
2nd Key	☞ While Ignition "ON"	-----	chirp & flashing light
	☞ While Ignition "OFF"	-----	Disarm
3rd Key	☞ While Ignition "OFF"	-----	Remote unlock
4th Key	☞ While Ignition "OFF"	-----	Silent Arm / Car search by flashing light
	☞ While Ignition "ON"	-----	Panic
1st & 2nd Key press together	☞ While arming	-----	Anti car-hijack
2nd & 3rd Key press together	☞ While Ignition "ON"	-----	Sensor bypass
	ON / lock , OFF / unlock	-----	Selectable ignition



AUDIBLE & VISUAL STATUS DISCRIMINATION

Silent Arming:
Press the 3rd button, the lights will flash once to confirm entering silent arming mode. This function is recommended for systems that use the 'Alarm Pager' accessory. Under this mode any tampering with the vehicle will transmit a signal directly to the pager and lights will flash constantly for 30 seconds. If ignition switch or point of entry is accessed this will trigger both the pager system and the siren.

Disarming the Alarm System:
Press the 2nd button for 0.5 second, the siren will emit 2 chirps and the lights will flash 3 times. Alarm system is now disarmed. For safety purpose, while disarmed and the ignition is in the on position, only the lock and unlock features are functional, all other functions will be disabled except Anti Car Hijack function.

Auto Re-Arming:
In case you fail to open any point of entry within 20 seconds after disarming the alarm, system will treat the disarming as invalid and resume arming automatically. One chirp will be heard and lights will flash once to confirm entering Auto re-arming mode.

MODE	KEY	IGN. SW.	CHIRP(S)	LIGHT	LOCK	LED	STARTER
Arm W/ Chirp.	1 st	OFF	1	1	Lock	Slow	Cut off
Disarm W/ Chirp	2 nd	OFF	2	3	Unlock	OFF	ON
Sensor Bypass / While Arming	1 st & 2 nd	OFF	1 → Enable	OFF			
Defective Zone Bypass			2 → Disable				
Silent Arm	3 rd	OFF	0	1	Lock	Slow	Cut off
Anti Car-Hijack	4 th twice	ON	30	30	Lock	Rapid	Cut off
Selectable Ignition ON/lock, OFF/unlock	2 nd & 3 rd	ON	1 → Enable	OFF		OFF	ON
			2 → Disable				

M-1000 CAR ALARM II

Car Search:

1. Press the 1st button (while in armed mode), the siren will sound once and the lights will flash once.
2. Press the 4th button to activate the panic function, once you identify your vehicle then press the 2nd button to turn it off.
3. Press the 3rd button, the lights will flash once. To repeat above step till identify your vehicle.

Anti Car-Hijack:

This feature assists in the retrieval of a vehicle that is stolen while in your presence. To test this feature, follow the following steps. While system is disarmed and ignition is in on position, press the 4th button. The lights and the LED will start flashing for 10 seconds. During this 10 seconds countdown period press the 4th button again to enter the Anti Car Hijack mode. Once it is activated, the LED starts flashing and 30 seconds later the siren will sound and the lights will start flashing, after a further 30 seconds the starter disable circuit will be activated. To deactivate this feature, just press the 2nd button or reset system.

Audible Defected Zone Bypass:

The alarm system will automatically bypass any trigger zone that displays a constant fault (for instance, defective shock sensor, opened door or trunk) when the alarm is armed via the transmitter. Once the 'fault signal' is removed, the zone will automatically be monitored again.

Note: The siren will chirp 3 times if the alarm detects a faulty circuit upon arming.

Power Interrupt Alarm Memory:

When the vehicle's battery power is disconnected and reapplied, the alarm will instantly trigger. The siren will sound, lights will flash and the starter circuit will be disabled.

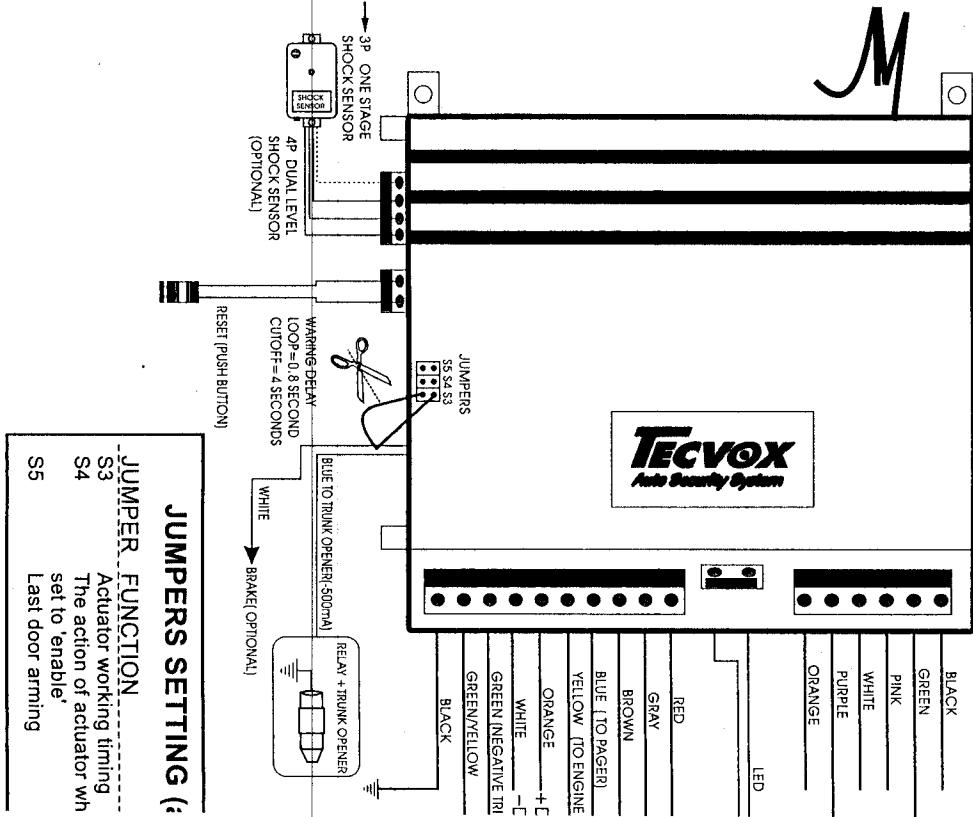
Note: Do not leave keys in the vehicle if changing or disconnecting your vehicle's battery.

Audible Intrusion Alert:

If the siren chirps more than twice upon disarming, it means the vehicle has been triggered or tampered with. The different chirps alert you as to which zone have been tampered with.

(3 chirps = shock sensor; 4 chirps = door circuit; 5 chirps = ignition)

TC-4



JUMPERS SETTING (

JUMPER FUNCTION

S3 Actuator working timing

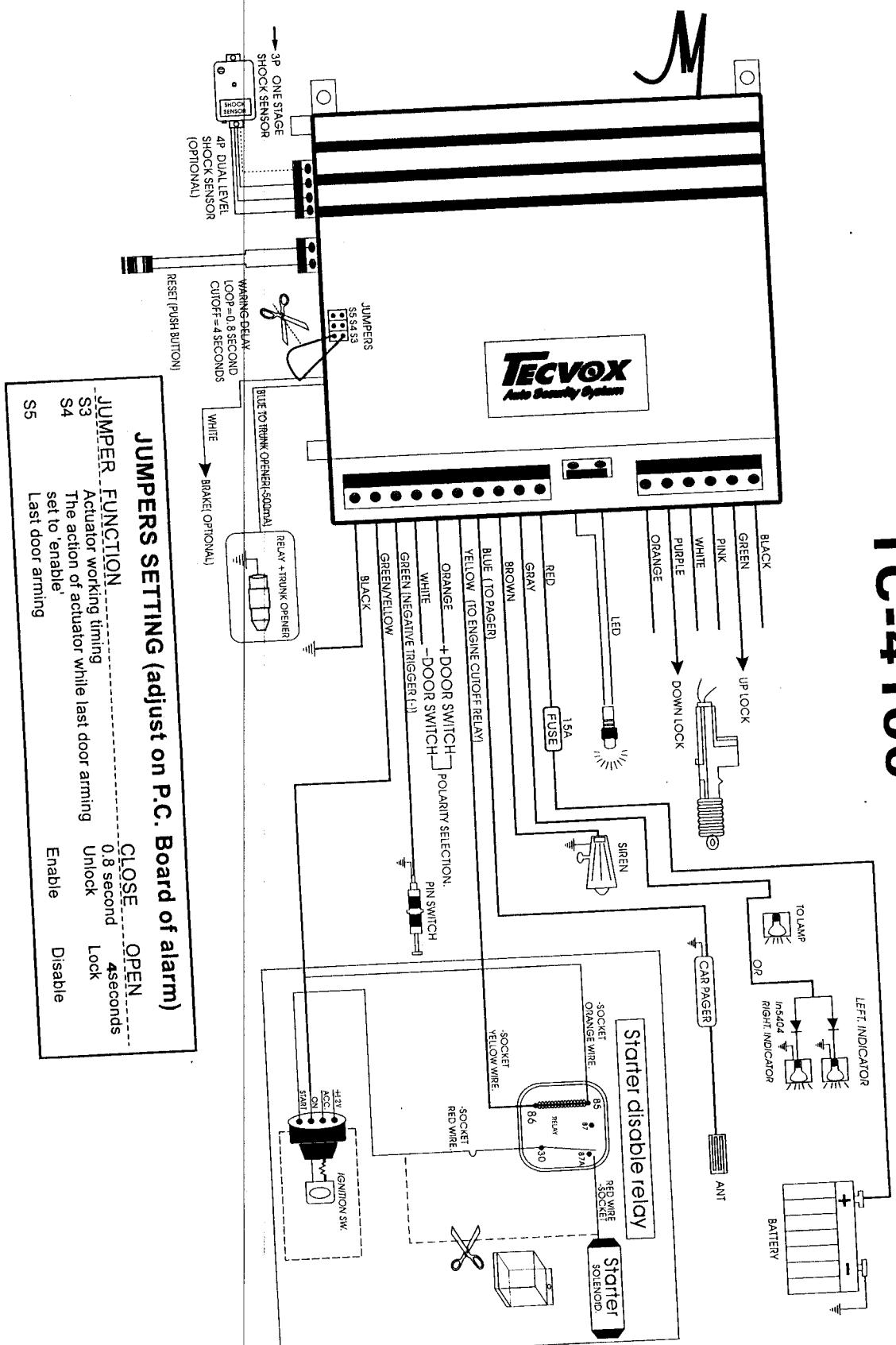
S4 The action of actuator wh set to 'enable'

S5 Last door arming

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M-1000 CAR ALARM INSTALLATION DIAGRAM

TC-4100



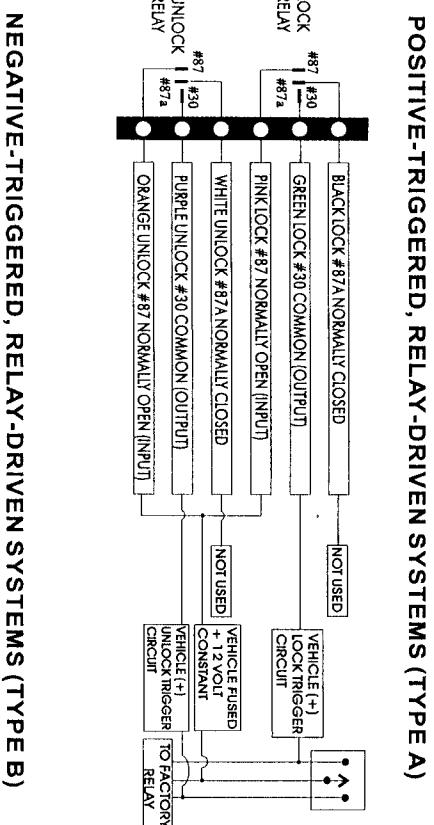
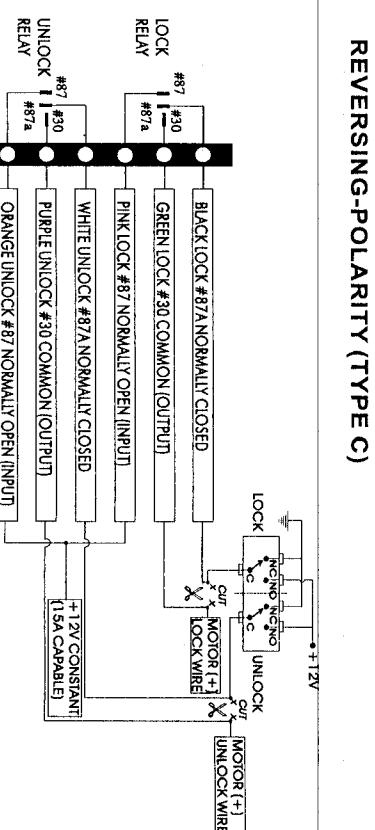
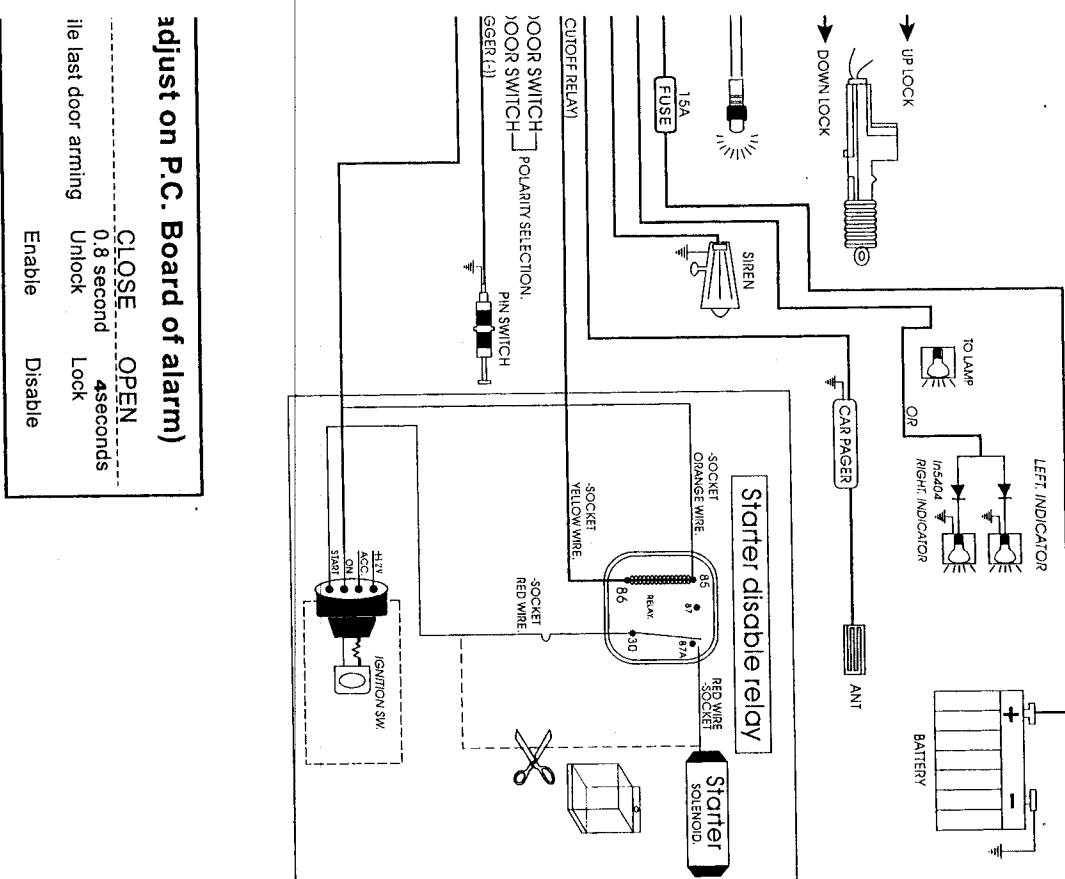
JUMPERS SETTING (adjust on P.C. Board of a alarm) CLOSE OPEN

JUMPER FUNCTION	
S3	Actuator working timing
S4	The action of actuator while last door arming set to 'enable'
S5	Last door arming
	0.8 second Unlock Lock
	4seconds Enable Disable

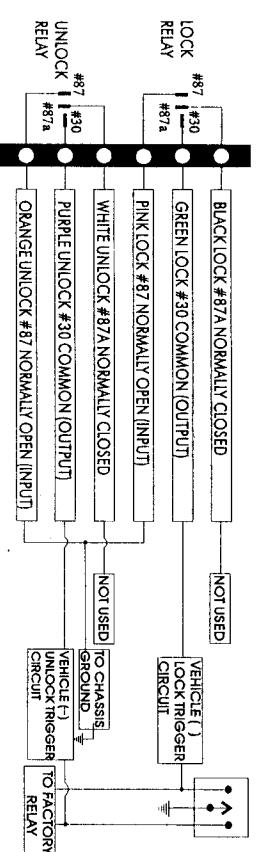
INSTALLATION DIAGRAM

4100

FOR CENTRAL LOCK SYSTEM INSTALLATION



NEGATIVE-TRIGGERED, RELAY-DRIVEN SYSTEMS (TYPE B)



REVERSING-POLARITY (TYPE C)

adjust on P.C. Board of alarm)

CLOSE	OPEN
0.8 second	4 seconds
ie last door arming	Unlock
Unlock	Lock

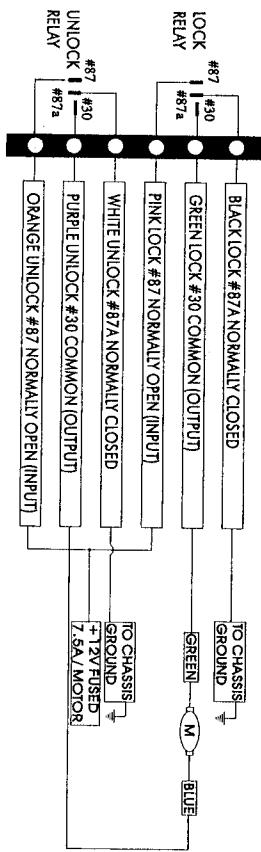
Enable

Disable

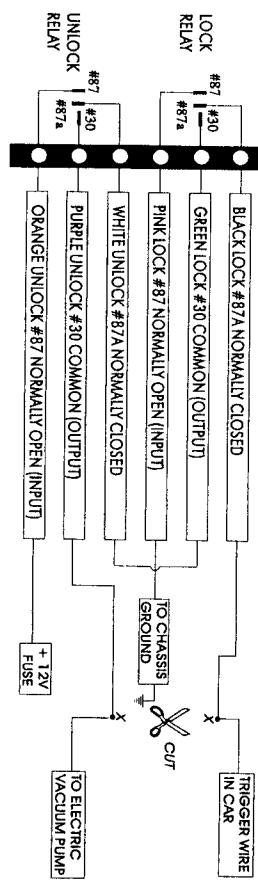
(7)

(8)

ADDING ONE OR MORE AFTERMARKET ACTUATORS (TYPE D)



ELECTRICALLY-ACTIVATED VACUUM (TYPE E)



ONE-WIRE SYSTEM - CUT TO LOCK, GROUND TO UNLOCK (TYPE F)

