

# INSTALLATION & OPERATION MANUAL

3900 AND 3930  
SERIES SIREN



Code 3, Inc., a subsidiary of  
Public Safety Equipment, Inc.

**CODE 3**<sup>®</sup>  
PUBLIC SAFETY EQUIPMENT, INC.

## 3900 MODEL SERIES SIRENS WITH & WITHOUT PUBLIC ADDRESS & RADIO RE-BROADCAST

**NOTE:** References to Public Address (PA) and Radio Re-Broadcast (RRB) features, adjustments & replacement parts, do not apply to all models.

### Contents:

Introduction .....	2
Standard Features .....	2
Unpacking & Pre-Installation .....	3
Installation & Mounting .....	3
Set-Up and Adjustment .....	6
Operation .....	7
Options .....	8
Specifications .....	8
Maintenance .....	9
Troubleshooting .....	10
Parts List .....	12
Exploded View .....	14
Warranty .....	16

**IMPORTANT:** *Read all instructions and warnings before installing and using.*  
**INSTALLER:** *This manual must be delivered to the end user of this equipment.*

# Introduction

The 3930 series siren is a new series of electronic sirens that has been designed to meet the needs of all emergency vehicles. This series of sirens incorporates a rugged extruded aluminum package along with microprocessor based circuitry and MOSFET technology. Advanced features such as **Park Kill**, **Instant "ON"**, **Adjustable Backlighting**, **"Horn Ring Scroll"** and more, make the 3930 series sirens extremely versatile.



## WARNING!

Sirens are an integral part of an effective audio/visual emergency warning system. However, sirens are only short range secondary warning devices. The use of a siren does not insure that all drivers can or will observe or react to an emergency warning signal, particularly at long distances or when either vehicle is traveling at a high rate of speed. Sirens should only be used in a combination with effective warning lights and never relied upon as a sole warning signal. Never take the right of way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, or responding at a high rate of speed.

The effectiveness of this warning device is highly dependent upon correct mounting and wiring. Read and follow the manufacturer's instructions before installing or using this device. The vehicle operator should check the equipment daily to insure that all features of the device operate correctly.

To be effective, sirens must produce high sound levels that potentially can inflict hearing damage. Installers should be warned to wear hearing protection, clear bystanders from the area and not to operate the siren indoors during testing. Vehicle operators and occupants should assess their exposure to siren noise and determine what steps, such as consultation with professionals or use of hearing protection should be implemented to protect their hearing.

This equipment is intended for use by authorized personnel only. It is the user's responsibility to understand and obey all laws regarding emergency warning devices. The user should check all applicable city, state and federal laws and regulations.

Public Safety Equipment, Inc., assumes no liability for any loss resulting from the use of this warning device.

Proper installation is vital to the performance of the siren and the safe operation of the emergency vehicle. It is important to recognize that the operator of the emergency vehicle is under psychological and physiological stress caused by the emergency situation. The siren system should be installed in such a manner as to: A) Not reduce the acoustical performance of the system, B) Limit as much as practical the noise level in the passenger compartment of the vehicle, C) Place the controls within convenient reach of the operator so that he can operate the system without losing eye contact with the roadway.

Emergency warning devices often require high electrical voltages and/or currents. Properly protect and use caution around live electrical connections. Grounding or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.

**PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO INSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.**

## Standard Features

The 3930 series sirens consist of integrated controls and amplifier in a single package. The siren is available in two models as follows:

The following features are standard on Model 3930 sirens:

**Siren Tones** - Industry standard Wail, Yelp, and HyperYelp tones.

**AIR HORN Tone** - Electronic AIR HORN sound.

**Instant-On-** There is no " ON/OFF " switch. Selecting any siren function, or keying the microphone will activate the siren assuming the siren is connected to a source of +12V.

**Automatic Short Circuit Protection-** The siren will sense a short circuit on the speaker terminals and automatically go to standby until the fault is removed. Once the fault is removed the siren will return to normal operation.

**Instant Public Address** - Public Address override of all siren functions when the microphone Push-to-Talk (PTT) key is pressed.

**Noise Cancelling Microphone** - Wired in microphone that is easily unplugged internally for service or replacement.

In addition to the standard features of the Model 3930 siren listed above, the following features are standard on Model 3932 sirens:

**Radio Rebroadcast** - Broadcasts Two-way radio reception over siren speakers. These inputs are transformer coupled to prevent loading of the radio.

**Park Kill-** This feature deactivates the siren tones when the vehicle is shifted into park. Once **PKILL** is activated the siren will remain deactivated until the vehicle is shifted into gear and the siren is restarted using the Horn Ring Scroll feature or the front panel switches.

**Adjustable Backlighting-** Backlighting is independent of siren power. Allows connecting to dimmer if desired.

**Horn Ring (Remote) Scroll** - The siren accepts either a positive or a ground (Earth) signal, usually from the vehicle's horn switch (or other user supplied switch), and remotely scrolls through the siren tones or activates AIR HORN function. **See Set-up and Adjustments section for details.**

**InterClear®** - This unique feature can be used to activate additional warning lights for 7 seconds, each time the siren mode is changed using either the control switches or the vehicle horn ring, thus allowing an additional level of warning in situations such as intersections without the operator having to take his hands off the wheel or his eyes off the road.

## Unpacking & Pre-installation

After unpacking your 3930 series siren, carefully inspect the unit and associated parts for any damage that may have been caused in transit. Report any damage to the carrier immediately.

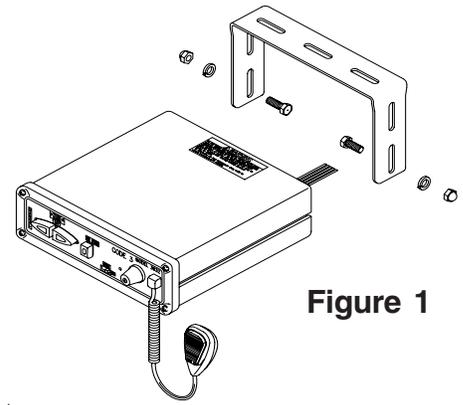
## Installation & Mounting

The 3930 series siren may be mounted above the dash, below the dash, on a tunnel or in a rack with the mounting bracket (bail) and the hardware supplied (see Fig. 1). Ease of operation and convenience to the operator should be the prime consideration when mounting the siren and controls.



All devices should be mounted in accordance with the manufacturer's instructions and securely fastened to vehicle elements of sufficient strength to withstand the forces applied to the device. Ease of operation and convenience to the operator should be the prime consideration when mounting the siren and controls. Adjust the mounting angle to allow maximum operator visibility. Do not mount the Control Head Module in a location that will obstruct the drivers view. Mount the microphone clip in a convenient location to allow the operator easy access. Devices should be mounted only in locations that conform to their SAE identification code as described in SAE Standard J1849. For example, electronics designed for interior mounting should not be placed underhood, etc. Controls should be placed within convenient reach\* of the driver or if intended for two person operation the driver and/or passenger. In some vehicles, multiple control switches and/or using methods such as "horn ring transfer" which utilizes the vehicle horn switch to toggle between siren tones may be necessary for convenient operation from two positions. *\*Convenient reach is defined as the ability of the operator of the siren systems to manipulate the controls from his normal driving/riding position without excessive movement away from the seat back or loss of eye contact with the roadway.*

The bail is mounted to the siren chassis by means of the "T" slot in the side of the unit and the 1/4-20 hex head bolts, washers, and nuts supplied. See Figure 1 for assembly and positioning details. Note that once the unit is installed, removal involves only loosening, not removing, the acorn nuts.



**Figure 1**

**NOTE:** Set-ups and adjustments will be made in subsequent steps, depending upon the model and options purchased, that may require access to the rear area of the unit. Plan the installation and wiring accordingly.



Larger wires and tight connections will provide longer service life for components. For high current wires it is highly recommended that terminal blocks or soldered connections be used with shrink tubing to protect the connections. Do not use insulation displacement connectors (e.g. 3M®) Scotchlock type connectors). Route wiring using grommets and sealant when passing through compartment walls. Minimize the number of splices to reduce voltage drop. High ambient temperatures (e.g. underhood) will significantly reduce the current carrying capacity of wires, fuses, and circuit breakers. Use "SXL" type wire in engine compartment. All wiring should conform to the minimum wire size and other recommendations of the manufacturer and be protected from moving parts and hot surfaces. Looms, grommets, cable ties, and similar installation hardware should be used to anchor and protect all wiring. Fuses or circuit breakers should be located as close to the power takeoff points as possible and properly sized to protect the wiring and devices. Particular attention should be paid to the location and method of making electrical connections and splices to protect these points from corrosion and loss of conductivity. Ground (Earth) terminations should only be made to substantial chassis components, preferably directly to the vehicle battery. The user should install a circuit breaker sized to approximately 125% of the maximum Amp capacity in the supply line to protect against short circuits. For example, a 30 Amp circuit breaker should carry a maximum of 24 Amps. **DO NOT USE 1/4" DIAMETER GLASS FUSES AS THEY ARE NOT SUITABLE FOR CONTINUOUS DUTY IN SIZES ABOVE 15 AMPS.** Circuit breakers are very sensitive to high temperatures and will "false trip" when mounted in hot environments or operated close to their capacity.

## Connections (see Figure 2)

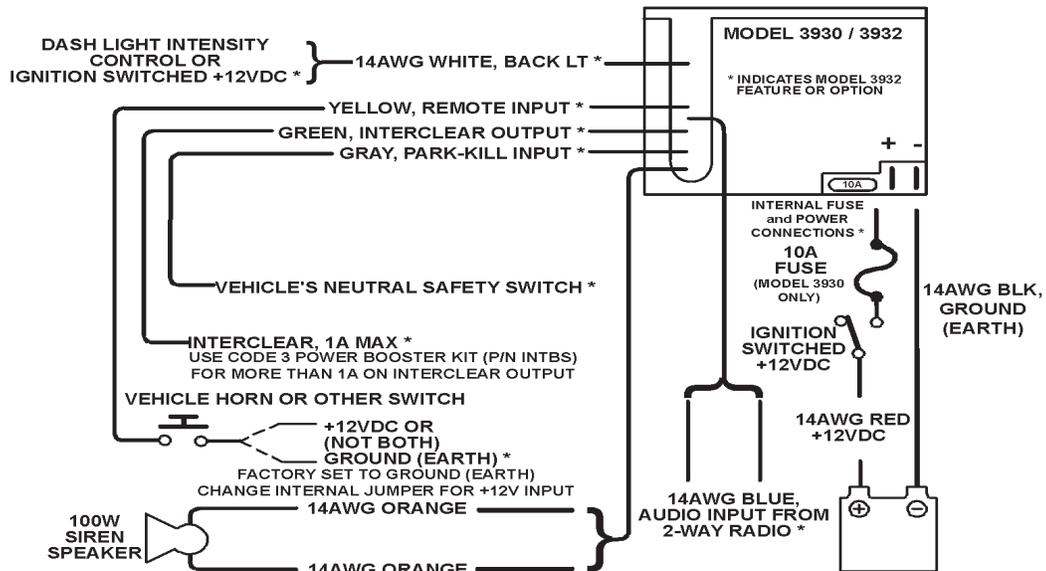
**ORANGE - Speaker** - Connect to 100W ( 11 ohm ) speaker leads.



**CONNECTION OF A 58 WATT SPEAKER TO THE SPKR TERMINAL WILL CAUSE THE SPEAKER TO BURN OUT, AND WILL VOID THE SPEAKER WARRANTY!**

The sound projecting opening should be pointed forward, parallel to the ground, and not obstructed or muffled by structural components of the vehicle. Concealed or under-hood mountings in some cases will result in a dramatic reduction in performance. To minimize this reduction, mount the speaker so the sound emitted is projected directly forward and obstruction by vehicle components such as hoses, brackets, grille, etc. is minimized. Electromechanical sirens and electronic siren speakers should be mounted as far from the occupants as possible using acoustically insulated compartments and isolation mountings to minimize the transmission of sound into the vehicle. It may be helpful to mount the device on the front bumper, engine cowl or fender; heavily insulate the passenger compartment; and operate the siren only with the windows closed. Each of these approaches may cause significant operational problems, including loss of siren performance from road slush, increased likelihood of damage to the siren in minor collisions, and the inability to hear the sirens on other emergency vehicles. **APPROPRIATE TRAINING OF VEHICLE OPERATORS IS RECOMMENDED TO ALERT THEM TO THESE PROBLEMS AND MINIMIZE THE EFFECT OF THESE PROBLEMS DURING OPERATIONS.**

## MODEL 3930 / 3932 WIRING DIAGRAM



USER MUST SUPPLY EXTERNAL 10A FUSE IN +12VDC POWER WIRE FOR MODEL 3930  
MAXIMUM RRB AUDIO ADJUSTMENT ON REAR

Figure 2 - Wiring Diagram

**YELLOW - REMOTE** - Remote switch (Horn ring or foot switch). Circuit can be configured for both ground (earth) or positive signals. Unit is configured at the factory to operate from a ground (earth) signal. See page 6 for details on configuring for a +12V input.

**WHITE - BACKLIGHTING** - Provides +12V to siren backlighting. Connect to a vehicle circuit that is powered when the ignition switch is " on ". If backlighting dimming is desired, connect to the dash lights' circuit. **Caution- If connected to the battery the backlighting will be active at all times.**

**GRAY - PARK KILL**- This feature automatically deactivates siren tones when the vehicle is shifted into PARK. Siren tones will be disabled until the vehicle is shifted out of PARK. This circuit is activated by a negative signal. Connect this input to a circuit that is GROUNDED (Earth) when the vehicle is shifted into PARK. **It is the installer's responsibility to determine an appropriate location in the vehicle circuitry to connect this wire.**

**BLUE - RRB** - Connects to the two-way radio speaker.

**GREEN - InterClear®** (Optional) - Connect to the device or circuit that is to be activated by the InterClear feature. The InterClear circuit is internally current limited at 1 Amp. Should your requirements require higher currents, use the InterClear Power Booster Kit (# INTBS), available from your Code 3 supplier.

**Model 3932 has 1/4" Male Quick-Connect Printed Circuit Board Terminals power connections.**  
Use #14 gauge wire terminated with 1/4" female, fully insulated quick-connect terminals only.

**RED - (+12V)** - Connect (14 gauge wire) to a positive +12 volt DC source. It is recommended that the user protect this wire with a 10 Amp fuse or circuit breaker located at the source.

**BLACK - NEG** - Connect (14 gauge wire) to the negative terminal of the battery. This supplies ground (earth) to the siren.

# Set-Up and Adjustment



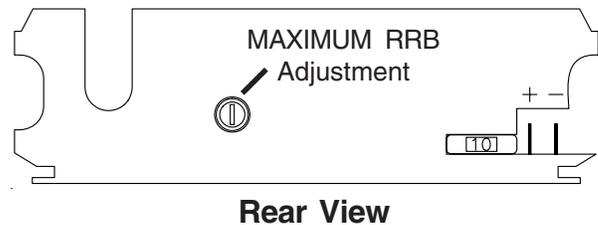
**WARNING!** Any electronic device may create or be affected by electromagnetic interference. After installation of any electronic device, operate all equipment simultaneously to insure that operation is free of interference.

The only adjustments necessary for the 3930 series sirens are **Maximum P.A. Adjustment** (accessible from the front of the unit), and **Maximum RRB Adjustment** (accessible from the rear of the unit). Refer to Figure 3 for the location of these adjustments. The Horn Ring (Remote) input polarity is configured at the factory to respond to a GND (Earth) signal. Refer to the procedure described under Horn Ring (Remote) Input Configuration if your application requires that this input respond to a positive signal. Make these adjustments prior to placing the unit inside the bail bracket.

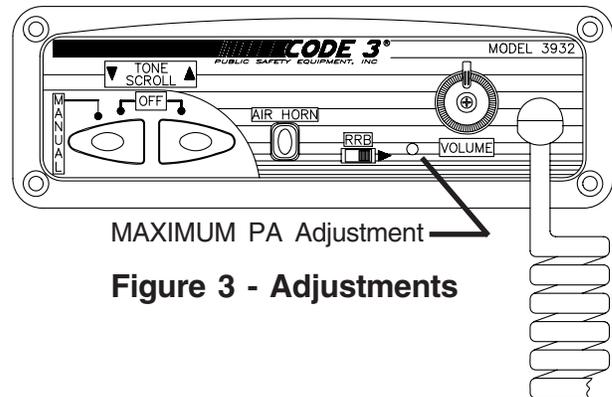
## Audio Adjustments

### Maximum Radio Rebroadcast (RRB)

**Adjustment** - This trimmer (located on the rear of the siren) sets the maximum level that the 2-way radio will reach with the front panel VOLUME control in the fully clockwise position. To adjust properly, set the 2-way radio volume control to produce normal radio volume inside the vehicle. Slide the RRB switch to the right to enable the RRB function. Next set the siren's front panel VOLUME control knob fully clockwise and adjust the rear panel RRB trimmer to produce the desired volume outside the vehicle.

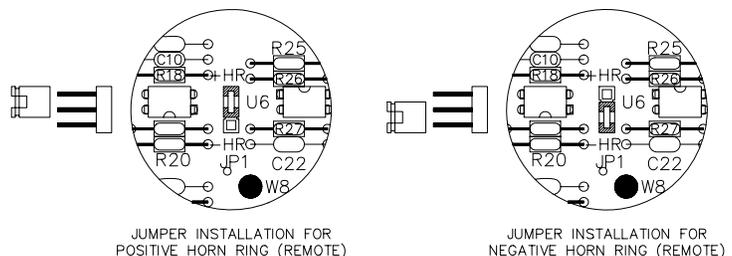


**Maximum P.A. Volume Adjustment** - This trimmer (located on the front panel next to the volume control knob) sets the maximum level that the P.A. volume will reach with the front panel VOLUME control in the fully clockwise position. To adjust properly, set the front panel volume control fully clockwise. While keying the microphone hold the microphone close to your lips and speak directly into it in a normal voice and adjust the trimmer until the maximum volume out of the speaker is intelligible and produces no feedback.



### Horn Ring (Remote) Input

**Configuration** - The remote input can be configured to accept either a positive +12V or negative GND (Earth) signal. All 3932 sirens are shipped set-up to accept the **GND** (Earth) signal from the vehicle HORN SW present on most vehicles. To reconfigure the siren to respond to a +12V signal, remove the siren from its case (see assembly explosion, page 13) and move the configuration jumper to the "+" position. Refer to Figure 4.



**Figure 4 - Horn Ring Jumper Configuration**

## Operation (refer to Figure 5)

**SCROLL v / MANUAL Momentary, Push-button Switch** -This switch provides two distinctly different functions depending on the mode of the siren when the switch is pressed and how long the operator holds the switch. In order to fully understand the function of this switch read the following description carefully. Tapping the MANUAL button will cause the siren to scroll down one mode. When the MANUAL button is pressed and held, the siren will produce the MANUAL tone. Under this condition, when the button is released the siren tone will ramp down to it's lowest frequency and the siren will revert to it's previous mode. Also refer to the description of the "INSTANT-OFF" function.

**SCROLL ^ Momentary, Push-button Switch** - Each time the SCROLL ^ button is pressed it causes the siren to scroll up one tone. Starting from the OFF mode, pressing the SCROLL ^ button will cause the siren to start producing the WAIL tone. Pressing the button again will cause the siren to switch to YELP mode. Pressing the button again will cause the siren to switch to HyperYelp mode. Pressing the button a fourth time will cause the siren to switch back to WAIL mode. This process may be repeated as often as desired.

**AIR HORN Momentary, Push-button Switch** - Produces the Air Horn tone. If the siren is active in any mode except Manual mode, it reverts to that previous mode when the AIR HORN button is released. If the siren is active in MANUAL mode when the AIR HORN button is pushed, it reverts to OFF when the AIR HORN button is released.

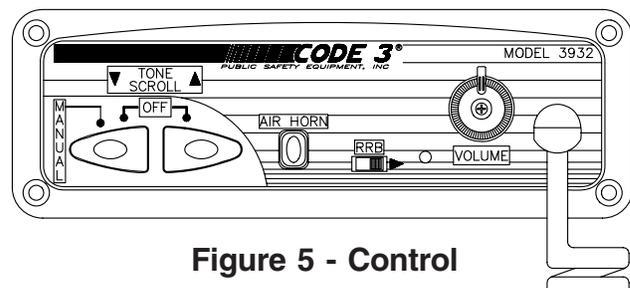


Figure 5 - Control



**IMPORTANT WARNINGS TO USERS OF SIRENS:** "Wail" and "Yelp" tones are in some cases (such as in the state of California) the only recognized siren tones for calling for the right of way. Ancillary tones such as "Air Horn", "Hi-Lo", "Hyperyelp", and "Hyperlo" in some cases do not provide as high a sound pressure level. It is recommended that these tones be used in a secondary mode to alert motorists to the presence of multiple emergency vehicles or to momentarily shift from the primary tone as an indication of the imminent presence of an emergency vehicle.

**INSTANT OFF** - The siren may be turned off from any mode by simultaneously pressing the SCROLL ^ arrow button and the SCROLL v arrow button. Also refer to the description of the PARK KILL feature.

**RRB Slide Switch** - The RRB slide switch, located between the AIRHORN button and the VOLUME control is used to enable (right position) or disable (left position) the Radio Rebroadcast (RRB) function. When RRB is enabled, all other siren functions except PA are disabled.

When the switch is to the right, the 2-way radio audio connected to the RRB input wires is routed through the siren amplifier to the siren speaker. The audio level at the speaker is set by adjusting the front panel volume control knob. Also refer to Maximum Radio Rebroadcast (RRB) Adjustment.

**PUBLIC ADDRESS (PA)** - The PA portion of the siren is activated each time the microphone PTT button is pressed. While the PTT button is pressed, the PA function over-rides any active siren tone and routes the PA audio through the siren speaker. When the PTT button is released, the siren will automatically switch back to the siren tone (if any) that was active when the button was pressed.

The noise canceling microphone provided with your Code 3<sup>®</sup> siren is designed to reduce background noise and help prevent acoustical feedback. For best results hold the microphone close to your lips and speak directly into the microphone in a normal voice. Also refer to the Maximum P.A. Volume Adjustment procedure under the SET-UP AND ADJUSTMENT section.

**INTERCLEAR** - The InterClear feature (model 3932 only) provides a timed output from the siren which can be used to activate a special warning light or function. Each time the siren mode is changed by any of the means previously described the InterClear output switches on (+12VDC, 1A Max) for approximately eight (8) seconds. Turning the siren off will also turn the InterClear output off. Use Code 3 power booster kit (p/n INTBS) for applications requiring more than 1A on the InterClear output.

## Options

The following options may be specified for both the Model 3930 and Model 3932 sirens:

**Pluggable Microphone** - A plug-in microphone jack in lieu of the standard wired-in microphone may be specified.

**24VDC Operation** - Allows the siren to be installed on vehicles with 24VDC, negative ground (earth) electrical systems.

**Radio Rebroadcast** - Allows the Two-way radio receiver audio to be routed through siren amplifier. These inputs are transformer coupled to prevent loading of the radio. This feature is standard on Model 3932 sirens.

## Specifications

### Siren Section

Input Voltage - 10 to 16 VDC, negative ground (earth).  
(Note: Operation above 15 VDC for an extended period of time may result in speaker damage.)

Optional - 22 to 28 VDC, negative ground (earth)

Operating Current: 8A @ 13.6V with 11-ohm load ( 100W Spkr )  
4A @ 27.2V with 11-ohm load ( 100 W Spkr )

**Note: There is no 58 Watt speaker connection available.**

Standby Current: 12 mA excluding backlighting

Cycle Rate: WAIL - 11 cycles/minute.  
YELP - 200 cycles/minute.

Voltage Output ( approx. ) 65 V peak-to-peak

### Audio Section

Audio Response: 3 dB down points - 500 to 3000 hz.  
1000 hz. 0 dB Reference

Audio Distortion: 10% or less below clipping.

## Maintenance

Your Code 3® 3930 series siren has been designed to provide trouble free service. In case of difficulty, consult the Troubleshooting Guide located on pages 10 and 11 of this manual. Also check for shorted or open wires. The primary cause of short circuits has been found to be wires passing through firewalls, roofs, etc. If further difficulty persists, contact the factory for troubleshooting advice or return instructions. Public Safety Equipment, Inc. maintains a complete parts inventory and service facility at the factory and will repair or replace (at the factory's option) any unit found to be defective under normal use and in warranty. Any attempt to service a unit in warranty, by anyone other than a factory authorized technician, without the express written consent of the factory, will void the warranty. Units out of warranty can be repaired at the factory for a nominal charge on either a flat rate or parts and labor basis. Contact the factory for details and return instructions. Public Safety Equipment, Inc. is not liable for any incidental charges related to the repair or replacement of a unit unless otherwise expressly agreed to in writing by the factory.

# TROUBLESHOOTING GUIDE

(Refer to Figure 2 - Wiring Diagram)

PROBLEM	PROBABLE CAUSE	REMEDY
NO SIREN OUTPUT.	A. SHORTED SPEAKER OR SPEAKER WIRES. SIREN IN OVER CURRENT PROTECTION MODE.	A. CHECK CONNECTIONS
10A FUSE BLOWS.	A. AMPLIFIER POWER WIRES REVERSED POLARITY	A. CHECK POLARITY
NO OUTPUT FROM SPEAKER, TONES HEARD INSIDE AMP. MODULE.	A. SPEAKER NOT CONNECTED/ OPEN OR SHORTED SPEAKER WIRING B. DEFECTIVE SPEAKER (NOTE: SHORTED SPEAKER OR SPEAKER WIRING WILL CAUSE SIREN TO SHUT DOWN)	A. CHECK SPEAKER WIRING B. DISCONNECT SPEAKER, LISTEN AT SIREN FOR TONES, REPLACE SPEAKER
SIREN TONES VOLUME TOO LOW/GARBLED.	A. LOW VOLTAGE TO SIREN AMPLIFIER B. HIGH RESISTANCE IN WIRING/ DEFECTIVE SPEAKER	A. CHECK WIRING FOR BAD CONNECTIONS/ CHECK VEHICLE CHARGING SYSTEM B. CHECK SPEAKER WIRING/REPLACE SPEAKER
HIGH RATE OF SPEAKER FAILURE.	A. HIGH VOLTAGE TO SIREN B. 58 WATT SPEAKER CONNECTED TO 100 WATT TAP. 58 WATT NOT ALLOWED.	A. CHECK VEHICLE CHARGING SYSTEM B. USE CORRECT SPEAKER
SIREN CONTINUES UNTIL TONE RAMPS DOWN AFTER MANUAL BUTTON IS RELEASED.	NORMAL OPERATION	
INTERCLEAR WILL NOT POWER AUXILIARY DEVICES.	A. THERE IS A SHORT IN THE WIRING, OR THE LOAD IS GREATER THAN 1 A.	A. CHECK FOR SHORTS. INSTALL INTERCLEAR BOOSTER KIT (PART #INTBS)
P.A. VOLUME LOW OR NO P.A. AT ALL. VOLUME CONTROL FULLY CLOCKWISE.	A. DEFECTIVE MICROPHONE B. MAXIMUM P.A. VOLUME TRIMMER MISADJUSTED. SEE SET-UP AND ADJUSTMENT SECTION. C. MICROPHONE NOT COMPLETELY PLUGGED IN. D. INCORRECT MICROPHONE.	A. REPLACE MICROPHONE B. REFER TO SET-UP AND ADJUSTMENT SECTION C. PLUG MICROPHONE IN SECURELY D. USE ONLY PSE MICROPHONES

# TROUBLESHOOTING GUIDE

(Refer to Figure 2 - Wiring Diagram)

PROBLEM	PROBABLE CAUSE	REMEDY
RRB VOLUME LOW, OR NO RRB AT ALL. VOLUME CONTROL FULLY CLOCKWISE.	<ul style="list-style-type: none"> <li>A. MAXIMUM RADIO REBROADCAST TRIMMER MIS-ADJUSTED</li> <li>B. RRB WIRES NOT CONNECTED TO TWO-WAY RADIO EXTERNAL SPEAKER</li> </ul>	<ul style="list-style-type: none"> <li>A. REFER TO SET-UP AND ADJUSTMENT SECTION</li> <li>B. CHECK RRB CONNECTIONS</li> </ul>
SIREN SOUNDS BY ITSELF.	<ul style="list-style-type: none"> <li>A. REMOTE SWITCH (HORN RING) WIRING TO REMOTE INPUT SHORTING TO POSITIVE OR TO GROUND (EARTH).</li> </ul>	<ul style="list-style-type: none"> <li>A. CHECK WIRING FOR ANY SHORTING.</li> </ul>
PA OPERATES BUT SIREN WILL NOT RUN	<ul style="list-style-type: none"> <li>A. VEHICLE IN PARK; THE PARK KILL FEATURE MUTES SIREN WHILE VEHICLE IS IN PARK OR NEUTRAL.</li> <li>B. RRB SWITCH IS ON.</li> </ul>	<ul style="list-style-type: none"> <li>A. PUT VEHICLE IN GEAR.</li> <li>B. TURN RRB SWITCH OFF (LEFT).</li> </ul>
SIREN RUNS PROPERLY BUT SHUTS DOWN WHILE RUNNING, THEN STARTS RUNNING AGAIN AFTER A FEW MINUTES	<ul style="list-style-type: none"> <li>A. VEHICLE CIRCUIT BREAKERS NOT RATED PROPERLY, AND ARE OVERHEATING, OR ARE NOT FUNCTIONING PROPERLY</li> </ul>	<ul style="list-style-type: none"> <li>A. REFER TO SPECIFICATIONS SECTION, PAGE 8. USE A BREAKER WITH 1.25x THE AMPERAGE RATING FOR THE WATTAGE BEING USED.</li> </ul>

**PARTS LIST** (refer to Figure 6, Exploded View)

<u>Ref. No.</u>	<u>Description</u>	<u>Part No.</u>	<u>Qty.</u>
1	1/4-20 Acorn Nut	T00183	2
2	CS, Hex Head, 1/4-20 x 1/2", ZINC PL	T00671	2
3	Machine Screw, Rnd Hd Phil, 6-32 x 1/4" T01030	4	
4	Nut, 3/8-32 x 1/2 x .090	T01082	1
5	Volume Control Knob	T03536	1
6	Actuator, Pushbutton	T03540	1
7	Nylon Insert Stop Nut, 4-40	T03594	2
8	1/4" Split Lock Washer	T03745	2
9	Serial Number Label	T06140	1
10*	Microphone Jack	T06147	1
11	Sheet Metal Screw, Pan Hd Phil, 6 x 1/2	T06213	4
12	Fuse, Blade Type Terminal, 10A	T06313	1
13	Transistor Insulating Pad	T06363	2
14	Machine Screw Pan Hd Phil, 4-40 x 3/8	T06937	1
15*	Microphone Assembly	T07309	1
16	Strain Relief	T07310	1
17	Microphone Assembly	T07311	1
18	Actuator, Pushbutton, Arrow	T07349	2
19	Air Bag Warning Label	T09937	1
20	Bezel	T10827	1
21	Faceplate Label		1
	Model 3900	T10869	
	Model 3901	T10870	
	Model 3900G	T10871	
	Model 3930	T10830	
	Model 3932	T10831	
	Model 3930G	T10850	
22	Label Set	T10834	1
23	Chassis	S71360	1
24	E-Tray Assembly	T04295	1

25	PCB, Assembled and Tested		1
	Model 3901	T50020	
	Model 3930	T50016	
	Model 3932	T50017	
	Model 3930G	S80276 M	

26	Bail Bracket	T05389	1
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\* Part of Pluggable Microphone Option

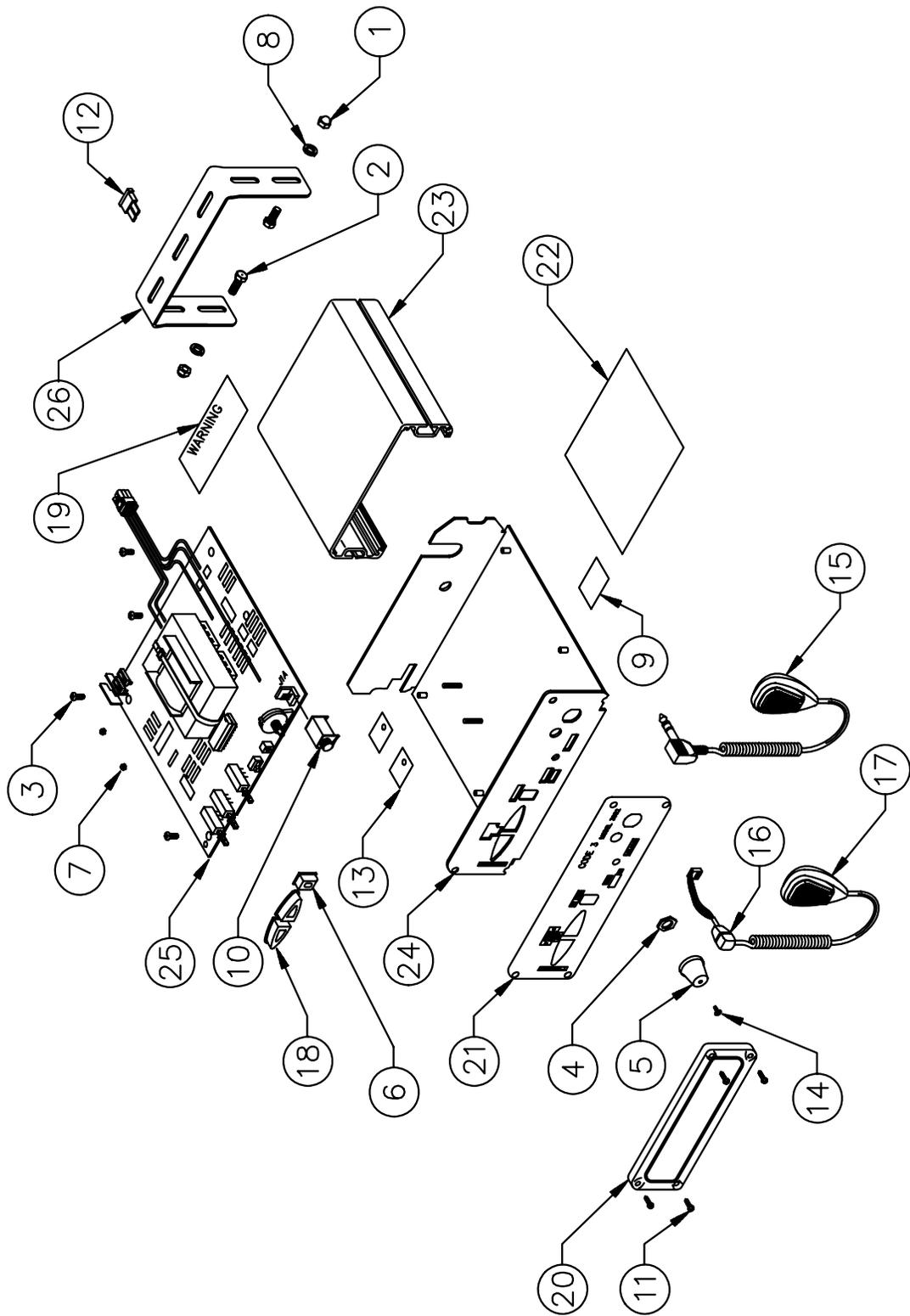


Figure 6, Exploded View

## NOTES

# WARRANTY

This product was tested and found to be operational at the time of manufacture. Provided this product is installed and operated in accordance with the manufacturer's recommendations, Code 3, Inc. guarantees all parts and components except the lamps for a period of 1 year from the date of purchase or delivery, whichever is later. Units demonstrated to be defective within the warranty period will be repaired or replaced at the factory service center at no cost.

Use of a lamp or other electrical load of a wattage higher than installed or recommended by the factory, or use of inappropriate or inadequate wiring or circuit protection causes this warranty to become void. Failure or destruction of the product resulting from abuse or unusual use and/or accidents is not covered by this warranty.

Code 3, Inc. shall in no way be liable for other damages including consequential, indirect or special damages whether loss is due to negligence or breach of warranty.

**CODE 3, INC. MAKES NO OTHER EXPRESSED OR IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, WARRANTIES OF FITNESS OR MERCHANTABILITY, WITH RESPECT TO THIS PRODUCT.**

# PRODUCT RETURNS

In order to provide you with faster service, if you are going to return a product for repair or replacement\*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to PSE. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

\*Code 3, Inc. reserves the right to repair or replace product at its discretion. Code 3, Inc. assumes no responsibility or liability for expenses incurred for the removal and/or reinstallation of products requiring service and/or repair.

**PROBLEMS OR QUESTIONS? CALL OUR TECHNICAL ASSISTANCE HOTLINE (314) 996-2800**  
**www.CODE3PSE.COM**

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