

# TROUBLESHOOTING NO. 518

TROUBLE: 1. NO SOUND OUTPUT FROM HORN DURING ALARM.

<u>PROBABLE CAUSE</u>	<u>REMEDY</u>
A. <u>Voltage to horn unavailable at panel output during alarm</u> (check voltage at panel's horn terminals for presence of 6 volts. No voltage indicates a blown fuse or a defective panel drop relay which activates horn.	A. <u>Replace fuse if blown</u> , clean contacts of drop relay (not serviceable in APCs) [use Nos. 317 and 316 contact spray and/or burnishing tool]. <u>NOTE:</u> A blown fuse may indicate a short circuit in the wiring to the horn.
B. <u>No voltage appears at horn</u> (check for presence of 6 volts at horn itself). If voltage appears at panel's horn terminals, but not at the horn, suspect broken wiring.	B. <u>Repair or replace faulty wiring.</u>
C. <u>Defective horn</u> (test by applying 6 volts DC directly to horn terminals).	C. <u>Replace horn if no sound is obtained.</u>

TROUBLE: 2. HORN OPERATES BUT DOES NOT GIVE FULL SOUND.

<u>PROBABLE CAUSE</u>	<u>REMEDY</u>
A. <u>Low battery voltage</u> (measure voltage across battery with another horn attached to it, or see Section L of this manual for battery checking procedures).	A. <u>Replace battery if voltage does not indicate as required.</u> If using a rechargeable power supply be sure to charge batteries sufficiently.
B. <u>Wire run to warning horn does not conform to specific procedures</u> [use 16 gauge wire for runs of up to 100 feet. Beyond 100 feet, use either 14 gauge wire, double 16 gauge wire (thus having four wires going to the horn) or use the remote relay set-up outlined in Part 1 of this manual, Section G, pages 42-43].	B. <u>Make needed changes in bell wiring.</u>
C. <u>Dirty or corroded contacts on drop relay activating horn.</u>	C. <u>Serviceable drop relays</u> (not found in APCs) <u>should have contacts cleaned or burnished.</u>
D. <u>Defective horn</u> (attach a 6 volt DC source directly to the horn. Listen for adequate sound).	D. <u>Replace horn if unsatisfactory sound is obtained.</u>