

GENERAL ZON MARK 4 PROPANE CANNON TROUBLESHOOTING

Failure	Cause	Remedy
The Zon Mark 4 Bird Scare Cannon, fully connected, fails to operate at all. 	Gas tank valve is not open.	Open valve.
	Interval regulator is not open.	Open regulator by turning knob towards the "+" (plus) mark; if blasts are too frequent, turn knob towards the "-" (minus) mark.
	Gas tank is empty or has too little pressure.	Connect new gas tank.
	Gas valve #91406 cannot be opened. This may happen if the device has not been operated for some time.	Using 2 fingers to grasp the hinged clip #91266, pull it up vertically once or twice. Be sure to keep the hinged clip from slipping over the stop lip of the spring holder #91236 as this will prevent you from opening the gas valve.
Leaks	Coupling nut gas regulator is not tight enough.	Tighten coupling nut with suitable spanner
	Hose connecting regulator unit to cannon has been damaged.	Replace the hose. A quick method to trace a leak in the gas regulator is to check it with a leakage spray
	Diaphragm leaks along the plate rim.	Repair should be carried out by the dealer.
The Zon Mark 4 Bird Scare Cannon operates, but there is no explosion or sound. 	Ignition gives a weak spark or no spark at all.	Examine Electrode #91536 / 91536S. It is possible that the porcelain or the mass point is broken; if so, replace. Replace Piezo-Element #91526. Piezo-Element/Electrode are wet. Dry both well.
	Wind is too strong (greater than 15 mph); gas/air mixture is disturbed	Place the cannon out of the wind, or behind a wind-screen.
	Gas mixture is not good.	Gas mixture in tank is not good, replace gas tank.
	Gas Valve Holder #91416 is blocked or partially blocked.	Clean opening with small piece of wire no more than .6 mm thick.
The Zon Mark 4 Bird Scare Cannon works, but Diaphragm Gland #91226 remains in the top position.	Gas Valve #91406 cannot be opened. This may happen if the device has not been operated for some time.	Using 2 fingers to grasp the hinged clip #91266, pull it up vertically once or twice. Be sure to keep the hinged clip from slipping over the stop lip of the spring holder #91236 as this will prevent you from opening the gas valve.
	Gas Valve #91406 stays open: Diaphragm Gland #91226 remains above.	Diaphragm Springs #91286A are broken. If so, replace
	Gas Valve #91406 cannot be opened or sufficiently opened.	Lifting level must be 1 - 2 mm. Repair should be carried out by the dealer.
	Wind is too strong; gas/air mixture is disturbed.	Place the cannon down wind, out of the wind or behind a wind screen.
The Zon Mark 4 Bird Scare Cannon operates, but gives dull explosions.	Telescopic megaphone not extended, or only partially extended	Pull out to full extension.