

SCARE-AWAY M-8 MULTI-BANG CANNON ASSEMBLY, OPERATING & SAFETY INSTRUCTIONS

1. Attach the Barrel Extension:

After removing the Scare-Away from the shipping box, attach the barrel extension (#54) to the barrel of the combustion chamber (#83).

Ensure that the weep hole faces the ground:

Ensure that the welded section on the seam of the barrel extension is **facing down**, so that any water will drain from the weep hole just above it.

Tighten the three bolts (#56) with a 13 mm wrench.

Important:

These three bolts (#56) must be tight, or explosion pressure will damage the bolt connections on the combustion chamber (#83).

2. Connect Scare-Away to LP Gas:

Ensure the valve to the LP gas tank is closed.

Connect the pressure reducing valve (#710) to the external ACME threads of the LP gas tank.

Ensure that **the side with the label faces down**, so that any water will drain from the weep hole.

Turn coupler to the right until fit is snug.



PLEASE READ THE SAFETY PRECAUTIONS ON THE NEXT PAGE

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3. Adjust Firing Frequency:

The time between a series of multi-bangs can be adjusted from approximately 45 seconds to approximately 15 minutes.

The frequency of firing can be adjusted with the needle valve on the left side of the Scare-Away frame.

Adjust the frequency to your requirements.



To increase firing frequency, turn handle (#129) **counter-clockwise**, in the direction of the arrow on the dial (#139).

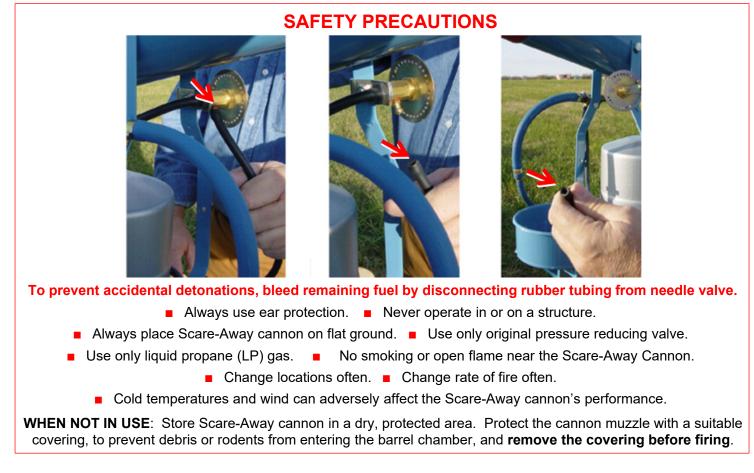


To decrease firing frequency, turn the handle **clockwise**.

The Scare-Away M-8 Multi-Bang is equipped with a piezo ignition system (#922 in Schematic on page 4) that will produce at least 100,000 ignitions.

To start the Scare-Away, slowly open the valve of the LP gas tank. The Scare-Away will fire at the same frequency as previously set, without further adjustment.

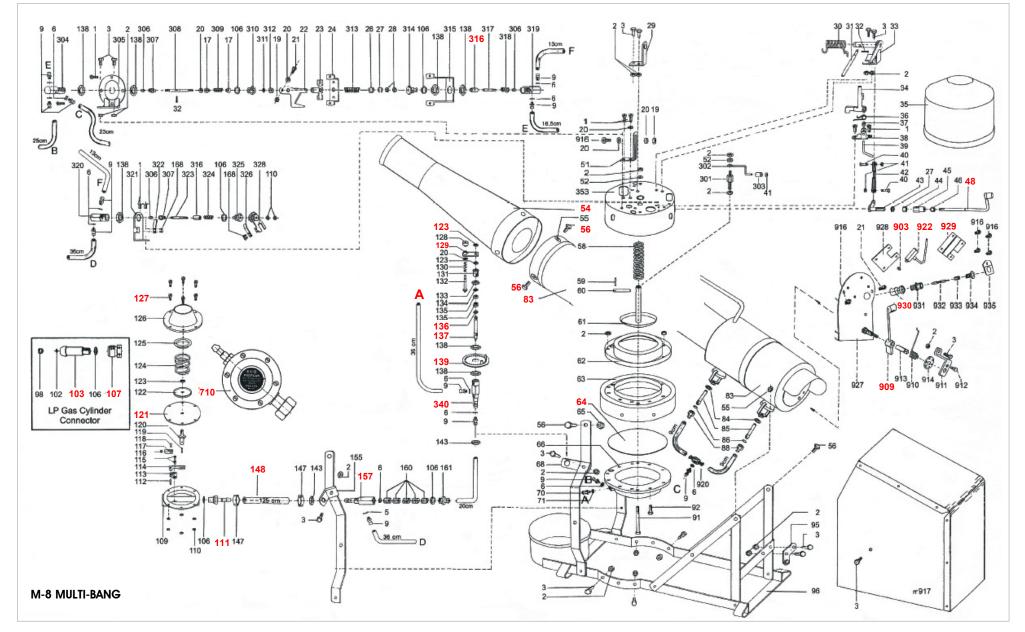
To stop the Scare-Away, close the valve on the LP gas tank.



SCARE-AWAY M-8 MULTI-BANG CANNON - TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	REMEDY
FAILS TO OPERATE:	The LP gas cylinder valve is not open.	Open the valve.
Scare-Away M-8, fully connected, fails to operate at all.	The LP gas cylinder is empty.	Replace fuel.
	The needle valve (#123-340) is not open.	By turning needle valve lever in direction of arrow, frequency of detonations will increase.
	The needle valve (#123-340) cannot be opened.	Replace needle (#137), or replace complete needle valve.
LEAKS:	The pressure reducer valve (#710) is not attached to the LP gas cylinder tightly enough.	Hand-tighten the coupler until snug.
	Check the following hoses for possible damage:	Replace the appropriate hose.
	 hose (#148) from pressure reducer valve to the stuffer valve (#157) 	
	- hose (A) from the needle valve to base of the mechanical assembly	
	- hose from stuffer valve to the mechanical assembly	
	- hose from the stuffer valve to the needle valve.	
	Diaphragm (#121) in pressure reducer valve leaks.	Replace diaphragm, or replace complete pressure reducer valve.
	Diaphragm (#64) in mechanical assembly leaks.	Replace diaphragm.
	Rubber sleeve (#316) in gas release valve leaks.	Replace sleeve, or replace, complete gas release valve.
	Interior hose in gas release valve leaks.	Replace interior hose, or replace complete gas release valve.
NO EXPLOSION: Scare-Away M-8 operates, but there is no explosion.	Ignition gives a weak spark, or no spark at all.	Check impact capsule (#922) for wear. Check electrode tip (#930) for wear. Make sure shaft (#48) knob rests on left side of mallet flange (#909) - distance between shaft knob and mallet flange should be 1/8". Check entire sparking assembly (#903-929) for damage. Replace where necessary.
DULL EXPLOSION:	Wind is too strong and gas/air mixture is disturbed.	Place the Scare-Away M-8 out of the wind, or place the muzzle down-wind.
Scare-Away M-8 works, but gives a dull explosion.	Barrel extension (#54), or firing chamber (#83), contain debris.	Remove barrel extension. If there is debris in the barrel extension or firing chamber, remove debris.

SCARE-AWAY M-8 MULTI-BANG CANNON SCHEMATIC



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