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NAO, INC.

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INSTRUCTIONS FOR NPI NPI (NAO Portable Ignitor)



Designed Use

This igniter is designed for use in lighting industrial burners that are difficult because of extreme velocities or optimum placement of igniter can not be easily determined.

Procedure

1. Connect a 14.1 oz. propane bottle that can be purchased from local hardware store.
(See Page #3 for picture of Propane Bottle).
2. Start the NPI with the little flame. Pull the trigger button halfway for 1 second/ft of length.
For example a 3ft, 3 seconds, etc.
This action allows the gas to get to the nozzle; then all the way to spark. This creates a blue flame about 4" (inches) long. Lock the trigger (and the little blue flame) by pushing the silver button.
3. Insert to the ignition port and locate the nozzle at the desired position. Squeeze the valve for the burst of flame.
4. When the task is completed, turn off. (To release lock, pull trigger all the way and let go.
This should shut the gas and flame off.)
5. Disconnect 14.1 oz. propane bottle outdoors. Due to the fittings, some propane vapor will be released.
6. Store the igniter in its case. Keep in a dry place.

Contact

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Rev.	DESCRIPTION	APPD	BY	DATE
1	UPDATED	VAM	CR	10/09/09
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1 of 4	1	NPI INSTRUCTIONS	VAM	04/21/09

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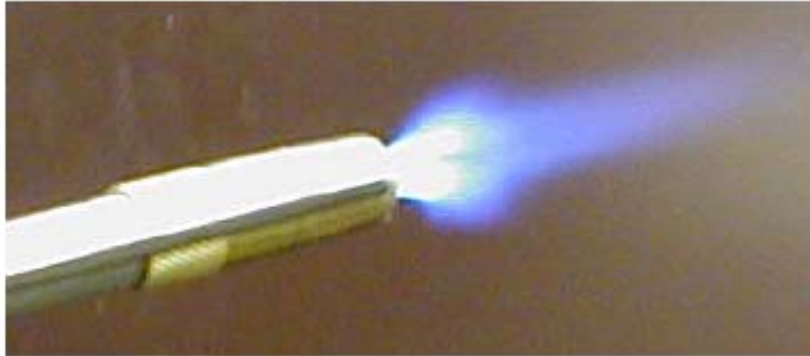
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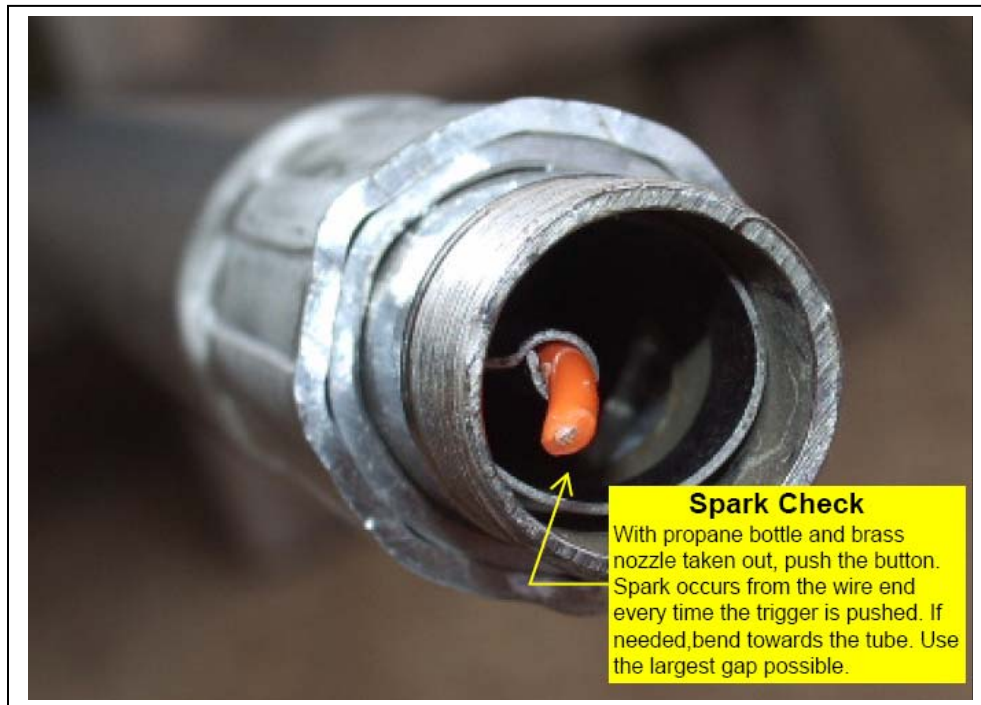
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NORMAL FLAME
4" LONG FLAME



Spark Check

With propane bottle and brass nozzle taken out, push the button. Spark occurs from the wire end every time the trigger is pushed. If needed, bend towards the tube. Use the largest gap possible.

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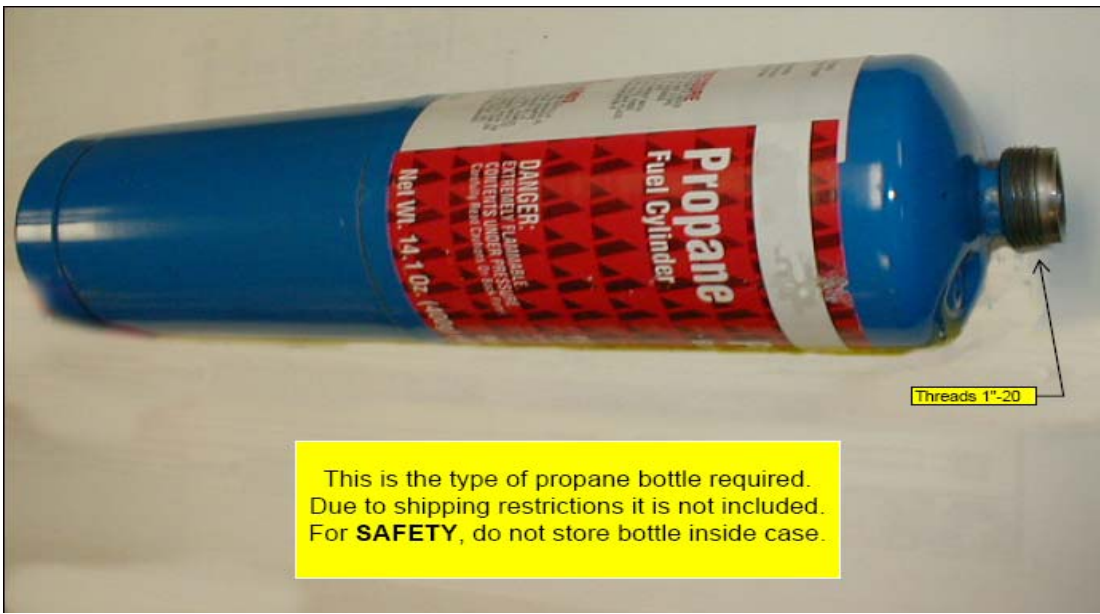
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This is the type of propane bottle required.
 Due to shipping restrictions it is not included.
 For **SAFETY**, do not store bottle inside case.



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TROUBLESHOOTING NPI

What can go wrong with an NPI:

Does NOT light

1. No Gas – check bottle, push button halfway, no “hiss”, no gas
 - a. Replace empty bottle
 - b. Wrong fitting - the bottle should match fitting correctly

2. No Spark
 - a. Remove gas bottle
 - b. Remove brass nozzle
 - c. Push button and observe spark.
If necessary, bend wire for shorter spark gap.
Re-assembly & Check again. Spark should occur every time.

3. Not enough time for gas to reach nozzle. Wait about one (1) sec per foot length.
For example: if the ignitor is 5 foot long, push button halfway and hold for 5 seconds, then all the way (Spark).
Repeat until lit. Hold the pushbutton down to keep the flame. If desired, the pushbutton may be locked in the “Pushed” position by pushing the “SILVER” button.

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