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## INSTRUCTIONS FOR NPI-FB NPI-FB (NAO Portable Ignitor with Flame Burst)



### Designed Use

This ignitor is designed for use in lighting industrial burners that are difficult because of extreme velocities or optimum placement of ignitor can not be easily determined. Due to its large flame it handles almost all situations, including heavy oil burners.

### 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-FB with the little flame. Pull the trigger button halfway for 1 second/ft of length. For a 3ft, 3 seconds. This action allows the gas to get to the nozzle; then all the way to spark. This creates a blue flame about 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. This will generate about 3 ft long. If longer flame is desired, turn the bottle upside down. Be extremely careful because this will shoot out a very long 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 ignitor in its case. Keep in a dry place.

### Contact

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Rev.	DESCRIPTION	APPD	BY	DATE
1	UPDATED	VAM	CR	11/19/09
I-1510	REV	APPD		Date
1 of 5	1	VAM		04/21/09
<b>NPI-FB with Flame Burst INSTRUCTIONS</b>				

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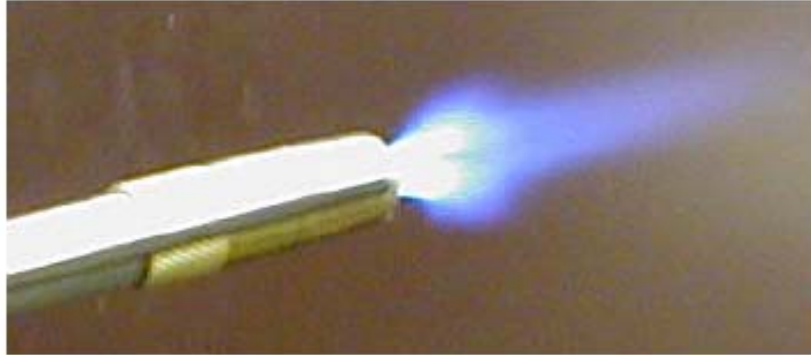
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**NORMAL FLAME 4" LONG**



**WITH FLAME BURST**  
**36" LONG FLAME**

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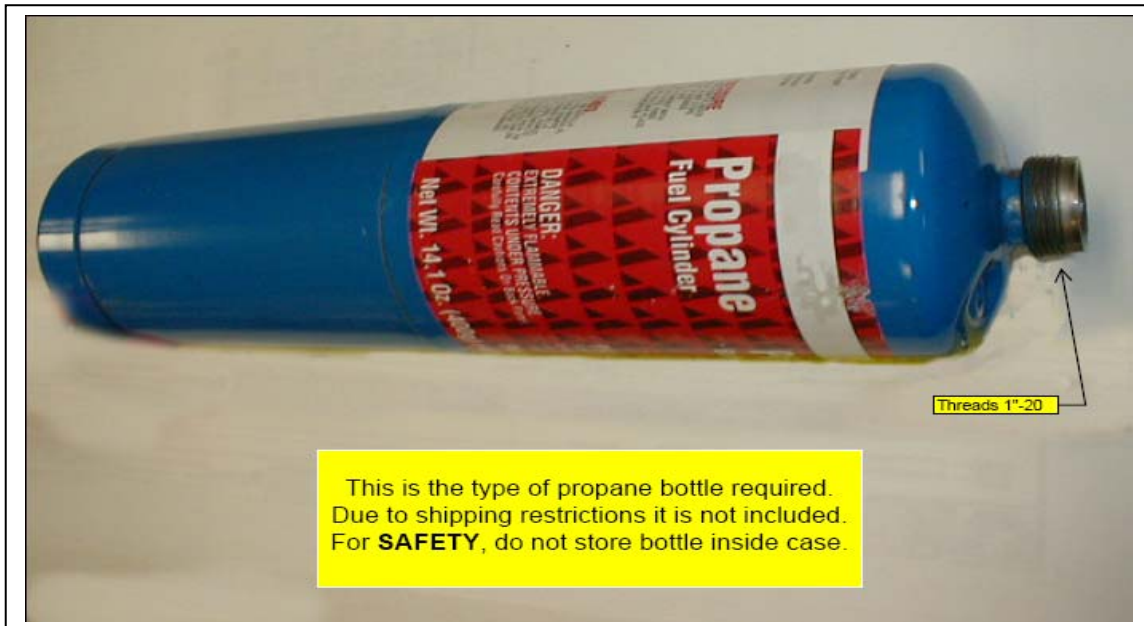
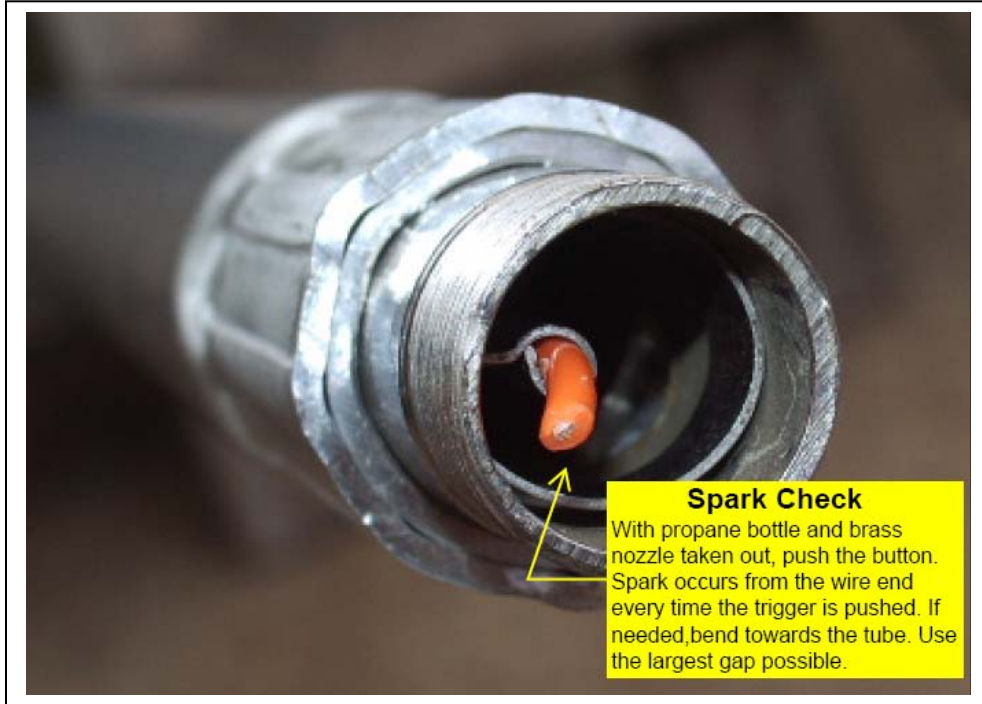
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## TROUBLESHOOTING NPI-FB

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-assemble & Check again. Spark should occur.
  
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, pushbutton may be locked in the “Pushed” position by pushing the “SILVER” button.

Big flame does not light:

Check that the squeeze valve lever is not prevented from opening by interfering with bottle body.

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