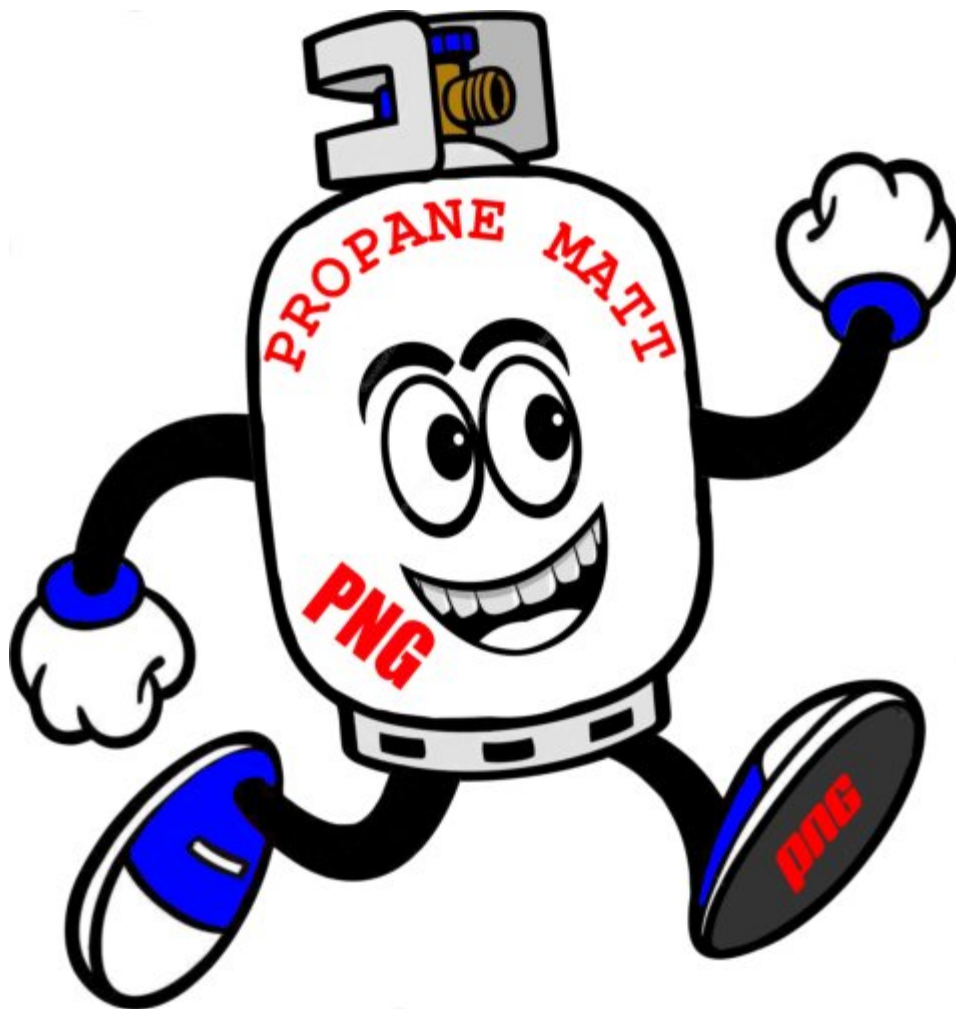


# PROPANE AND NATURAL GAS INSTRUCTIONS

FOR MORE INSTRUCTIONS YOU CAN ALSO GO TO  
OUR WEBSITE AND WATCH THE VIDEO

[www.pngtechnologies.com](http://www.pngtechnologies.com)

734-992-2648



## ADJUSTING THE POWER ELBOW / LOAD BLOCK

This is a very sensitive adjustment. Screw In is (LEAN)  
Screw out is (RICH). We have found that 14mm / 1/2" is a very good start  
for your initial start

But you might have to adjust this to get the maximum performance.

We recommend to use a RPM Tachometer to reach this. We sell  
them, under generator accessories.

14mm / 1/2"

THIS IS FROM THE TOP OF BRASS STEM  
TO TOP OF BRASS JAM NUT

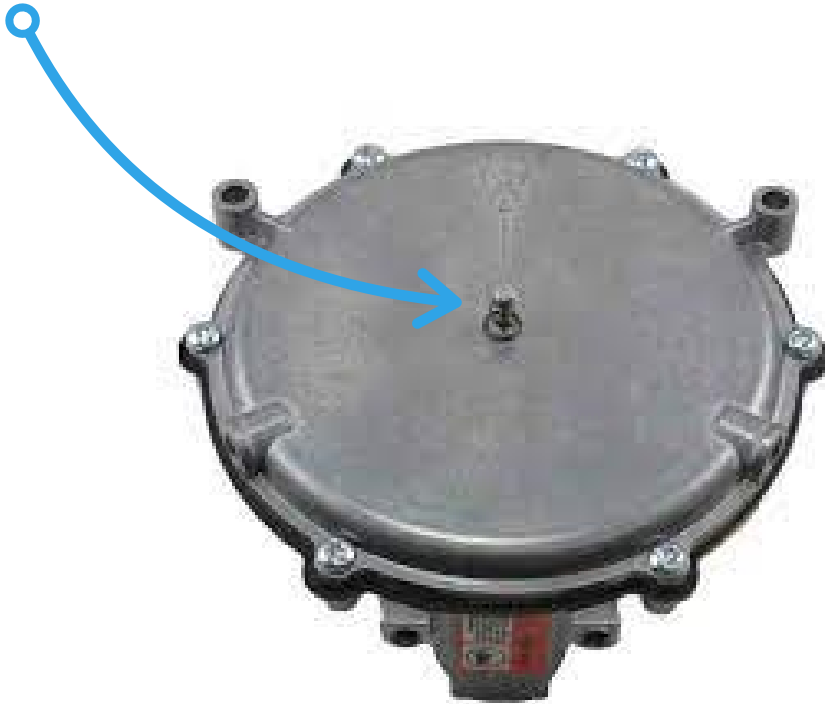


THIS MAY NOT BE YOUR FINAL ADJUSTMENT, YOU MAY HAVE TO  
ADJUST THE FUEL ONCE YOU APPLY A LOAD THEN BRING IT BACK DOWN TO  
AN IDLE TO MAKE SURE EVERYTHING IS CORRECT.

**\*\* EVERY ENGINE IS DIFFERENT\*\***

## **MANUAL PRIMER BUTTON**

**Press this for 1-2 Seconds. This will allow the fuel to enter the carburetor. Keep in mind, if you have a longer run of hose you may need to prime the regulator 1-2 seconds longer, more than this can always cause flooding of the engine.**



**DO NOT USE A CHOKE, AS IT WILL MOST LIKELY CAUSE FLOODING.**

## **HOW DOES THE KN WORK**

**AIR-FLOW THROUGH A VENTURI ADAPTER IN THE CARBURETOR CREATES A VACUUM. WHICH ACTS THROUGH THE OUTLET OF THE KN ON THE DIAPHRAGM. ATMOSPHERIC PRESSURE THEN FORCES THE DIAPHRAGM TOWARD THE VACUUM, DEPRESSING THE LEVER AND PULLING THE VALVE SEAT AWAY FROM THE ORIFICE, WHICH ALLOWS FUEL TO FLOW AS LONG AS THE DEMAND PERSISTS.**

# MOUNTING OF KN REGULATOR

IF THIS IS A CUSTOM KIT MOUNT THE REGULATOR PER THE VIDEO.

IF NOT THEN THERE ARE TWO MOUNT LOCATIONS ON THE  
KN REGULATOR

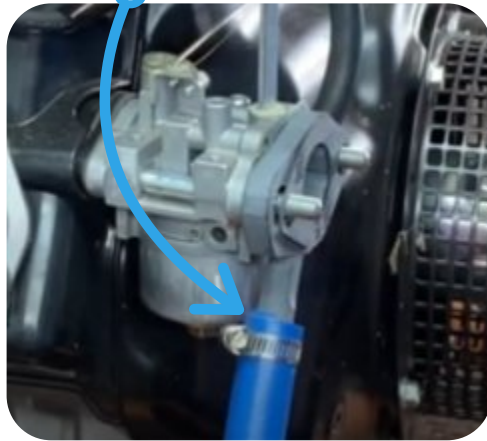


## EXAMPLE MOUNTING OF KN REGULATOR



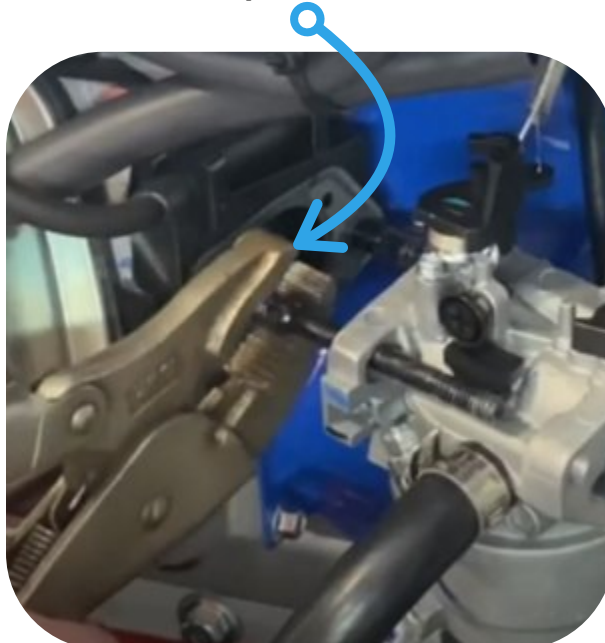
## ADAPTER INSTALL

Make sure you are careful when installing the vapor hose to the adapter. DO NOT have a lot of pressure or kinks in the hose. This could cause you to crack the adapter.



## STUD BACK OUT

ON SOME OCCASIONS YOU MAY HAVE TO BACK THE CARBURETOR STUD'S OUT. TO DO THIS PULL THE CARBURETOR AWAY FROM THE INTAKE MAKING SURE YOU DO NOT TEAR THE GASKET. USE VISE GRIPS AND LOCK DOWN TIGHT ON THE STUD'S MAKE A QUICK POP BY TURNING THE STUD,S COUNTER CLOCKWISE.





**MAKE SURE WHEN YOU ARE CONNECTING THE NATURAL GAS LINE THAT YOU ALWAYS CONNECT TO THE NATURAL GAS METER. CONNECTIONS TO ANYWHERE ELSE WILL CAUSE THE GENERATOR TO NOT GET ENOUGH VOLUME OF FUEL.**

## **CORRECT WAY- DIRECT TO YOUR METER**



**POOL HEATER IN-CORRECT WAY**



**WATER HEATER IN-CORRECT WAY**



**20 / 30 / 40 & 100 lbs PROPANE TANK CONNECTIONS**  
When connecting our kit to a portable propane tank.  
Use the propane hose and high pressure regulator  
that comes with our propane kit.



**LARGE PROPANE HOUSE TANK CONNECTIONS**  
When connecting our kit to a larger house propane tank.  
Use a propane hose and and connect to the regulator at  
the house. Just make sure that it is a 6 OZ outlet pressure.



## Frequently Asked Questions

**How can I figure out the pressure coming out of my meter?**

**\*\* There are 2 ways to do that. (1) Your gas company will be able to tell you in ounces. (Ex: 4 oz or 6 oz) (2) A plumber will be able to tell you in water column. (Ex: 7 inches or 11 inches of water column).**

**6 Ounces is equivalent to 11 inches of water column.**

**4 Ounces is equivalent to 7 inches of water column.**

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**If I purchase your kit will I be able to run propane, natural gas & gasoline?**

**\*\* This used to be the case because there was only one regulator offered but because of many varying natural gas pressures across the United States the pressure of 4 ounces is being found more often. With that being said you will not be able to run propane with a 4 oz regulator. With that being said that is the reason we only offer Propane kits or Natural gas kits.**

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**How much power loss will I loss by converting my generator to an alternative fuel?**

**\*\* 3-5% power loss because our custom kits are built around the generator, we have only seen about a 3-5% loss of power.**

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**Can I still run my generator on gasoline after converting my generator to an alternative fuel?**

**\*\* YES, You can simply do this by switching off your alternative fuel source and run the engine until it stops to ensure all of your alternative fuel is out of the fuel lines and then turn on your gasoline fuel source.**

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**What stops gas from flowing if generator stalls?**

**\*\*\* It takes a engine vacuum to open the regulator so when the engine vacuum stops the engine stops fuel flow.**

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**How many BTU's of natural gas per hour will my natural gas generator use?**

**\*\* To calculate this take your Horsepower x 2543.44 = BTU's per hour used on your engine.**

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**People have asked us what makes our hose different from what is being sold on the internet?**

**\*\* The only thing I can tell you is we offer only the best, with over 35 years of experience we have determined that this is the best quality hose when dealing with a gasisty fuel when dealing with combustible engines not a poolheater or furnace. Our hose is designed around engines.**

---

**Can I connect my generator to a ½” pipe?**

**\*\* Yes you can. (Only if your generator is 5000 watts or below). Anything more will cause a lack of natural gas volume to run your generator properly.**

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**\*\*Just a note, every elbow installed will reduce 3% of natural gas fuel volume\*\***

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**When I run my generator on natural gas if I hold the primer button in my generator will run if I let it go it stalls what causes this?**

**\*\* It could be a combination if issues, first of all make sure the pressure of the outlet of your natural gas is correct and rated for the regulator we sent and just remember that every elbow causes restriction and that ½” pipe will NOT work for any generator above 5000 watts.**

---

**Why does my order still show processing?**

**\*\* That means that your kit is being built and when it's done, we will email you the paid invoice with the tracking number.**

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**Once the package leaves our hands**

**\*\*Once we hand a package off to UPS we have no more control over that package. We can include special instructions that you give us when you place your order, but it is up to UPS to follow those instructions. If there is a delay in the delivery of your package please contact UPS customer service at 1-888-833-0056.**

**If a package is delivered damaged and you accept it you will be responsible for putting a claim in with UPS.**

**If a package is delivered damaged please refuse the delivery and we will put the claim in with UPS.**

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**If I install your kit will it void my warranty on my generator?**

**\*\* When you install any aftermarket to anything, you always risk the chance of voiding the warranty.**

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**Should I continue to have my PM's the same on my generator with an alternative fuel as I do gasoline?**

**\*\* YES, Continue as the manufacture warranty recommends that way you always have a good record.**

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**Can I use a flex line to run my generator on Natural Gas?**

**\*\* NO, Because even if it is a 3/4" or 1" flex line the flare swivel fitting on the flex line it reduces the I.D. (size) which reduces the Natural gas volume to your generator.**

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**If I cancel my order before it's shipped why would I still be charged a restocking fee.**

**Because when you place an order online. Our merchant service company takes there percent for the transaction.  
Also when we return your money they also take a percent. Plus My employee has to be paid to do this.  
this is the reason you will still be charged a restocking fee of 25%.**

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# GENERATOR ACCESSORIES

**G-SE-3/4-BV-N**

**3/4" BALL VALVE OPEN FLOW  
FOR NATURAL GAS**



**G-SE-3/4-BV**

**3/4" BALL VALVE  
FOR PROPANE**



**G-SE-3/4-BV-L**

**3/4" BALL VALVE OPEN FLOW  
FOR NATURAL GAS WITH LOCK. THIS WILL  
ENSURE THAT THE FUEL CAN NEVER BE SHUT OFF  
OR TURNED ON, UNLESS UNLOCKED.**



# GENERATOR ACCESSORIES

**G-SE-3/16"**

**3/16" GASOLINE  
SHUT OFF VALVE**



**G-SE-1/4"**

**1/4" GASOLINE  
SHUT OFF VALVE**



**G-SE-3/4-ELBOW**

**BLACK PIPE 3/4" ELBOW**



**G-SE-3/4-NIPPLE**

**3/4" BLACK PIPE NIPPLE**



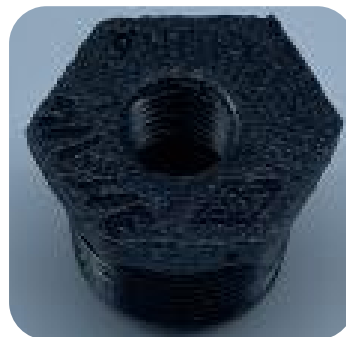
**G-SE-3/4-TEE**

**BLACK PIPE TEE 3/4"**



**G-SE-3/4-BUSHING**

**BLACK PIPE 3/4" X 1/4" BUSHING**





# GENERATOR ACCESSORIES

**ACC-0102**

**¼ oz**

**PIPE FITTING COMPOUND**



**ACC-0104**

**1 oz**

**GAS LEAK DETECTOR**



**G-SE-TACH**

**TACH / HOUR METER**



**G-SE-BATT-CHARGER**

**12VOLT / 100MA SMART CHARGER**



# Hurricane preparedness kit

Now is the time to reevaluate your hurricane preparedness kit. According to the Federal Emergency Management Agency, your kit should include, at minimum:

Water: one gallon per person, per day (3-day supply for evacuation, 2-week supply for home).

Food: non-perishable, easy-to-prepare items (3-day supply for evacuation, 2-week supply for home).

Flashlight.

Battery-powered or hand-crank radio (NOAA Weather Radio, if possible).

Extra batteries.

First aid kit.

Medications (7-day supply) and medical items.

Multi-purpose tool, like a Swiss Army knife.

Sanitation and personal hygiene items.

Copies of personal documents (medication list and pertinent medical information, proof of address, deed/lease to home, passports, birth certificates, insurance policies).

Cellphone with charger.

Family and emergency contact information.

Extra cash (ATMs might be inoperable).

Extra fuel for generator and car.

Depending on your family's requirements, you may need to include medical care items, baby supplies, pet supplies and other things, such as extra car and house keys.

Additional supplies might include towels, plastic sheeting, duct tape, scissors and work gloves.

# Pros of a Natural Gas Generator

Natural gas offers a reliable supply of power, especially during natural disasters when power outages are the norm. It's an indispensable energy source for emergencies.

Here are the benefits of using natural gas generators for emergency power.

- Cleaner fuel source to generate power as it produces lower emissions
- Natural gas generators have no odor, unlike diesel-powered generators
- Generators can be connected directly to the natural gas pipelines
- Natural gas is a reliable, efficient, and cost-effective fuel source

# Cons of a Natural Gas Generator

Despite the several benefits, gas generators also have a few drawbacks. Here are the disadvantages of the generators.

- Natural gas is explosive and can cause a fire hazard if the pipeline bursts
- Natural gas supply can get disrupted during calamities like earthquakes
- Maintenance costs of natural gas generators are usually high
- Natural gas is a non-renewable energy source

# Economic Bonuses

Compared with other energy sources, natural gas has proved to be more cost-effective, making it more feasible economically. It is cost-efficient when it comes to installation time, physical footprint, and rapid response to emergencies.

That has helped many households and businesses that rely on natural gas generators save more money.

# Natural Gas As a Power Supply

Now that you know the pros and cons of natural gas generators, you can weigh the options and make the right choice. The good news is, natural gas doesn't emit more carbon dioxide and has proven to be one of the most reliable energy sources. When you compare natural gas and diesel generators, the former comes with more benefits.

## Returns

You have 30 calendar days to return an item from the date you received it. To be eligible for a return, your item must be unused and in the same condition that you received it. Your item must be in the original packaging.

Your item needs to have the receipt or proof of purchase.

## Refunds

Once we receive your item, we will inspect it and notify you that we have received your returned item.

We will immediately notify you on the status of your refund after inspecting the item.

There will be a restocking fee of 25% for handling expenses.

If your return is approved, we will initiate a refund to your credit card.

You will receive the credit within a certain amount of days, depending on your card issuer's policies.

## Shipping

You will be responsible for paying for your own shipping costs for returning your item. Shipping costs are non-refundable.

If you receive a refund, the cost of return shipping will be deducted from your refund.

## NATURAL GAS & PROPANE HOSES

Our Natural gas & Propane hoses are custom made, Meaning all the fittings that come with the hoses are made up in house which makes them custom hoses.

These hoses are not returnable no Exceptions.

## UNIVERSAL KITS

Our universal kits can not be returned and there are no refunds, so make sure that the kit will work with your application.

## Contact Us

If you have any questions on how to return your item to us, contact us.

Phone: 1-734-992-2648