

## Checking for Gas Leaks on a BC-5

THE CHANCE OF A GAS LEAK IN ONE OF THE LINES LEADING FROM GAS SOURCE (LPG TANK OR NG LINE) ARE EXTREMELY RARE. THERE IS A GREATER CHANCE THAT ANY SMELL OF GAS DURING A ROAST COULD BE THE RESULT OF A LACK OF PROPER AIRFLOW WHEN RUNNING BURNERS OR PROLONGED STARTING OF BURNERS. BUT ANY CONCERN OVER A POTENTIAL LEAK SHOULD BE TAKEN SERIOUSLY AND EXAMINED THOROUGHLY. THIS PDF WILL HELP YOU TO CHECK GAS CONNECTIONS:

### 1. Safety when using LP Gas



**1. Safety when using LP Gas**  
WHEN ATTACHING LPG REGULATOR AND GAS LINE TO A TANK **TANK MUST BE KEPT OUTSIDE AT LEAST 4' FROM BUILDING (OR ACCORDING TO LOCAL CODES)**. REGULATOR MUST BE **FACING UP**. THERE IS A **RELIEF VALVE** ON MOST REGULATORS THAT RELEASES GAS IN TANK PRESSURE BUILDS UP SO GAS MAY BE RELEASED FROM TIME TO TIME AT VALVE.

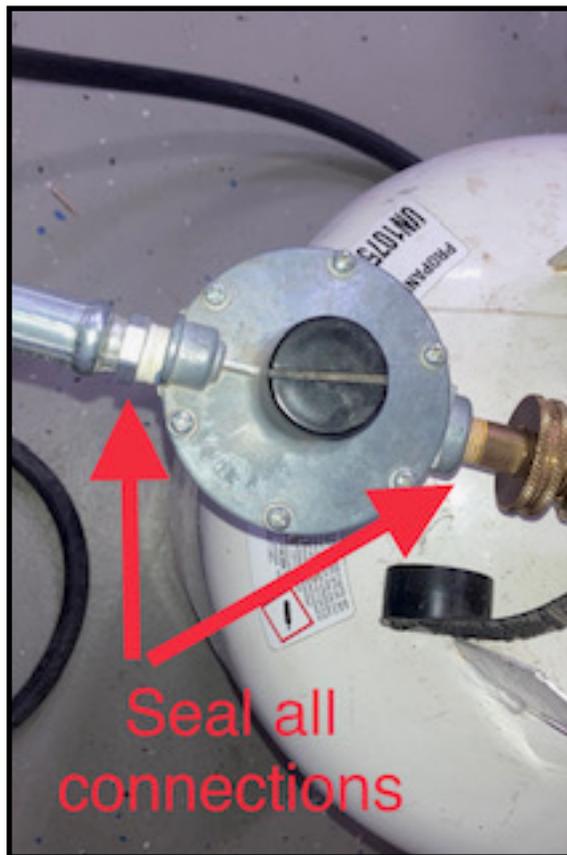
#### RELIEF VALVE ON REGULATOR



**ALL CONNECTIONS TO REGULATOR SHOULD BE SEALED WITH GAS TAPE (LEAK LOCK IS A GREAT SEALER TOO)**

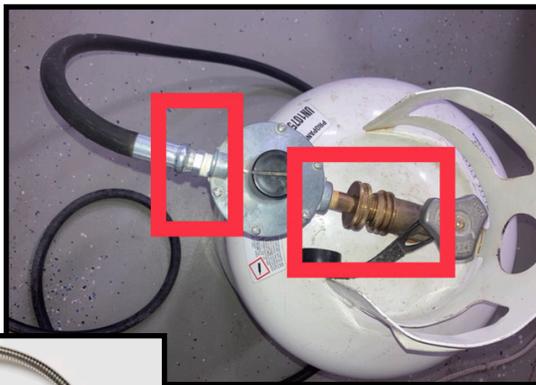
### 2. CONNECTING GAS LINE TO SOLENOID

WHEN CONNECTING FLEXIBLE GAS LINE TO SOLENOID YOU MAY HAND TIGHTEN AND THEN GIVE IT A NUDGE WITH A WRENCH TO ENSURE CONNECTIONS SEAL PROPERLY



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**3.** THEN WITH ROASTER OFF YOU CAN TURN GAS ON TANK AND CHECK ALL CONNECTIONS UP TO SOLENOID WITH EITHER THE SOAPY WATER TEST OR A GAS LEAK



**BY OPENING BACK PANEL OF ROASTER GOING INTO BURNER ROOM YOU CAN GET TO THE GAS LINES:  
(OPEN BACK PANEL WHEN GAS IS OFF AND**

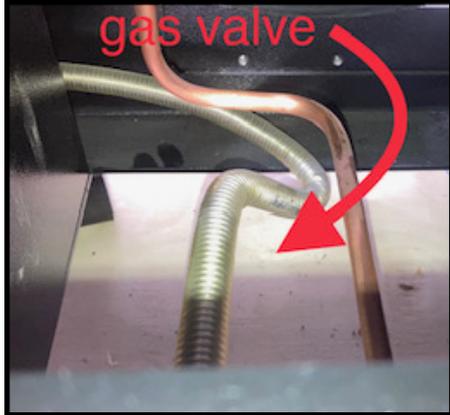
## 4. CHECKING CONNECTIONS ON ROASTER

TO CHECK THE CONNECTIONS ON ROASTER FROM SOLENOID TO BURNERS YOU WILL NEED TO **TURN ON ROASTER AND IGNITE BURNERS** SO GAS WILL FLOW FROM SOLENOID TO BURNERS THEN CAREFULLY CHECK EACH CONNECTION WITH EITHER SOAPY WATER OR GAS TESTER (SEE PICTURES OF CONNECTIONS TO TEST)

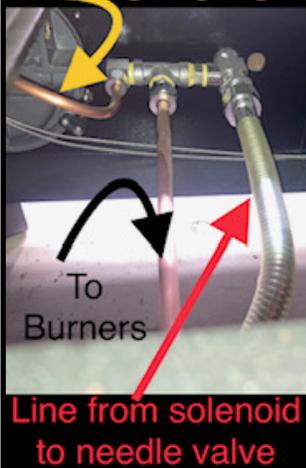
**HERE YOU CAN SEE THE FLEXIBLE LINE THAT RUNS IN BACK OF ROASTER FROM SOLENOID TO VALVE**



**Flexible gas line from solenoid to gas valve**



**Line to gas gauge**



**VIEW FROM BACK OF ROASTER TOWARD FRONT WITH BACK PANEL REMOVED:**

HERE YOU CAN SEE THE MAIN FLEXIBLE GAS LINE RUNNING FROM SOLENOID FIRST TO THE NEEDLE GAS VALVE ON FRONT OF ROASTER AND THEN FROM THERE TWO LINES COME OFF IT: ONE RUNNING TO GAS GAUGE TO SHOW THE AMOUNT OF GAS PRESSURE GOING TO BURNERS WHILE OTHER LINE IS DIRECTLY FEEDING BURNERS

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### **5. WITH BACK PANEL OPEN AND BEFORE TURNING ON GAS YOU CAN CAREFULLY SPRAY SOAPY GAS LEAK DETECTOR ON CONNECTIONS:**

NEXT YOU CAN CAREFULLY TURN ON GAS WITH IGNITER AND RUN BURNERS LOW WITH AT LEAST 2 ON THE MANUAL DAMPER TO KEEP PROPER AIRFLOW TO SEE IF ANY AIR BUBBLES FORM ON ANY CONNECTIONS.

#### **CARE IF TIGHTENING ANY GAS LINE CONNECTIONS:**

IF YOU SEE ANY LEAKES BE VERY CAREFUL TO TIGHTEN THESE WITH JUST A SMALL AMOUNT OF PRESSURE AS MOST ARE SEALED WITH FERRULE TUBING AND IF TIGHTENED TOO MUCH WILL DAMAGE FERRULE.



IF NONE OF THE CONNECTIONS HAVE LEAKS ON ANY OF THE LINES INSIDE ROASTER OR ON THE GAS LINES LEADING TO ROASTER THEN LIKELY ANY GAS SMELL IS COMING FROM BUILDUP IN BURNER ROOM WHEN TRYING TO TURN ON ROASTER BEFORE IT LIGHTS OR IF AIRFLOW IS NOT TURNED UP ENOUGH DURING ROAST OR EXHAUST SETUP IS NOT DONE PROPERLY. ALSO IF YOU TURN GAS ON/OFF DURING A ROAST THIS COULD RESULT IN GAS SMELL.

**IF YOU STILL NEED HELP EMAIL OUR TECH DEPARTMENT WITH YOUR ACCOUNT NUMBER & DETAILS ABOUT YOUR CONCERNS:**

**[TECH@BUCKEYECOFFEE.COM](mailto:TECH@BUCKEYECOFFEE.COM)**

**[BCROASTERS.COM](http://BCROASTERS.COM)**