

# GAS CONVERSION INSTRUCTIONS

(STEPS 1-3)

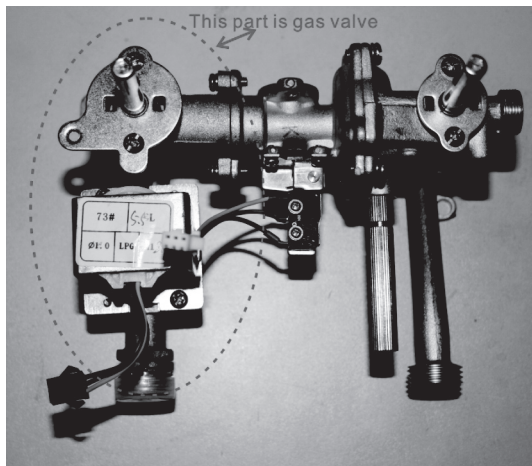


## REMOVE COVER

Disconnect power and gas from the HydroGEN PRO. Locate the two screws at the top and the two screws at the bottom of the unit holding the front cover on. Remove these screws. Pull the control knobs straight off (they may be stiff) and remove the front cover.



## GAS VALVE



This is the gas valve. If it is broken or otherwise damaged during the conversion you **MUST** contact Hydro Innovations for a replacement.

## STEP 1



Remove these two screws using a #2 philips head screwdriver. Remove the valve core by pulling it straight out (see next picture for illustration of valve core).

**NOTE:** Be careful not to strip screws.

## STEP 2



Replace the LPG valve core that you just removed with the NG valve core included. **Part B** should be in front of **Part A**.

## STEP 3



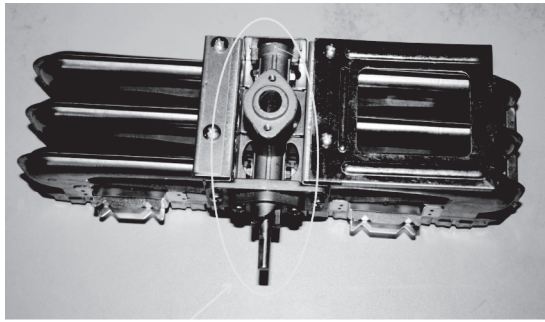
Press in the NG valve core.

The photos in these instructions show the individual components of the HydroGEN PRO completely disassembled. This is for ease of reference and instructional purposes only. It is not necessary to completely disassemble the unit—only the flute pipe and gas valve require disassembly for conversion.

**IMPORTANT DIRECTIONS CONTINUED ON BACK →**

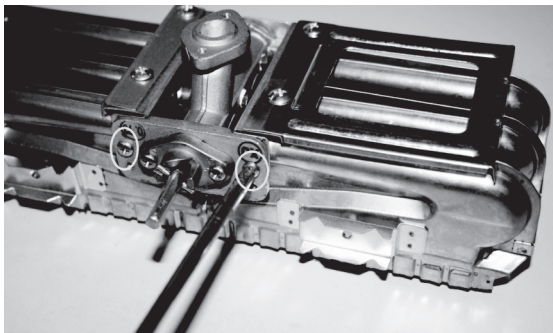
# GAS CONVERSION INSTRUCTIONS (STEPS 4-6)

## FLUTE PIPE



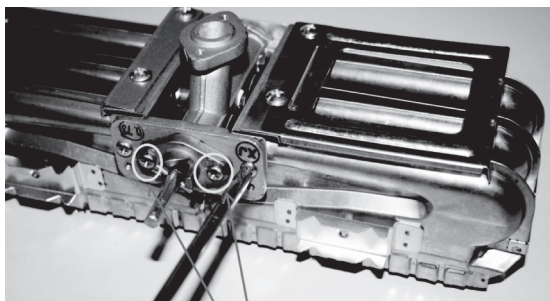
The flute pipe is located at the bottom of the burner and needs to be replaced with the NG flute pipe.

## STEP 4



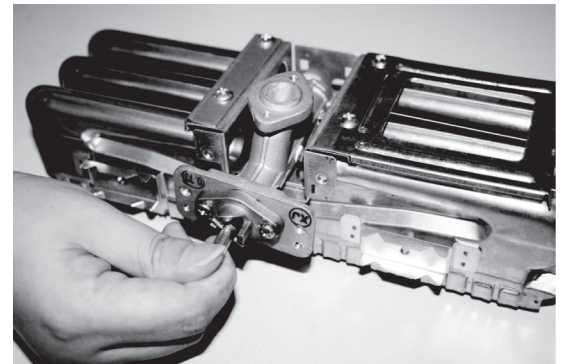
Remove these two screws with a screwdriver.

## WARNING



**WARNING!** - Do not remove these two screws.

## STEP 5



Pull out the LPG Flute Pipe and replace it with the NG flute pipe. Replace the two screws removed in step 4.

## STEP 6

Replace HydroGEN PRO cover and replace screws and knobs removed in Step 1. Reattach all gas connections and test with soapy water before reconnecting power.

## IMPORTANT

Your HydroGEN PRO comes prebuilt for use with LPG (propane gas), but also includes a kit to convert it to NG (natural gas). **DO NOT** replace only one component of the conversion kit and continue to use the HydroGEN PRO. **BOTH** the flute pipe **AND** the valve core **MUST** be replaced to switch between LPG and NG. If you decide to use the unit as LPG at any point after converting to NG, you must replace the LPG parts originally included with the unit. The instructions for converting are the same.

**IF YOU REQUIRE ADDITIONAL ASSISTANCE PLEASE CONTACT US:**

**Email: [support@hydroinnovations.com](mailto:support@hydroinnovations.com)**

**Phone: (512) 321-7575**

**HYDRO INNOVATIONS**

**1924 HWY 95 N • BASTROP, TX 78602**

**ATTENTION:** The required Natural Gas pressure to operate the HydroGEN PRO is 2.8 kPA. In most parts of the North America, this is a standard residential pressure, but in some parts of the continent (particularly in pockets of CA, OR, WA, CO and OH), the residential gas pressures are lower than standard. Gas pressures below 2.8 kPA do NOT constitute a safety risk of any kind; however, they will keep the HydroGEN PRO from functioning properly (it will light, but will shut itself off shortly after lighting). Other gas appliances will function fine at lower gas pressures, but the HydroGEN PRO will not because the low gas pressure creates a flame that does not burn hot enough to satisfy the many safety sensors inside the unit. If you convert to Natural Gas and the NG pressure is below 2.8 kPA, this unit will NOT function properly and must be converted back to Liquid Propane.

We **STRONGLY** recommend using your HydroGEN PRO as it comes, with Liquid Propane fuel, for a minimum of one month prior to converting it to Natural Gas. This will allow time for any potential warranty issues to arise prior to installation of the conversion kit. This also allows you to confirm that the HydroGEN PRO is functioning properly prior to installation of the conversion kit, therefore if any functionality issues arise after the conversion, you will know that the issues are related to the NG conversion and not to any problems with the unit itself. If the unit does not function properly because of low gas pressures it will not be covered under warranty because this would not be a manufacturers defect.

After installation as an LP unit, and again after performing the NG conversion, **ALL** connections **MUST** be checked for leaks with soapy water before starting the unit and again with the unit running. Leaks will be visibly apparent as the soapy water will bubble up at any leaky connection. Any damages caused by an improperly installed or modified conversion kit are the responsibility of the customer and Hydro Innovations and its subcontractors assume no liability.