



Portable Grill Gas Conversion Kit

Model# CK-41-NAT
 CK-42-NAT
 CK-43-LP (pre-2022)
 CK-44-LP (post-2022)

INSTALLER: Leave these instructions with consumer.
CONSUMER: Retain for future reference.

CONVERSION KIT MODEL SPECIFICATIONS

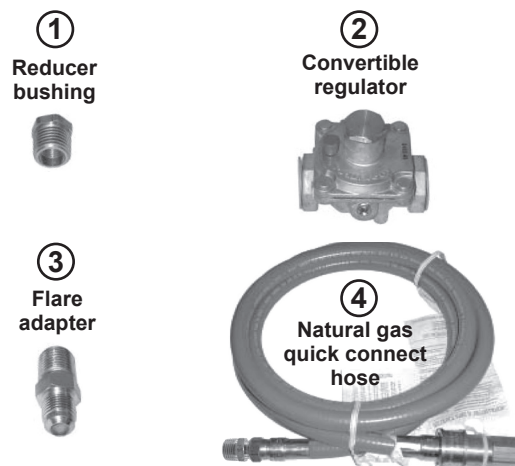
IMPORTANT: READ THESE INSTRUCTIONS CAREFULLY BEFORE STARTING INSTALLATION

This conversion kit is for installation on AOG portable grills. The procedure must be performed by a qualified professional service technician. Reference the appropriate table below to ensure you have the correct conversion kit model for your AOG portable grill.

Orifices (not included in these kits) are required for gas conversion. Contact your local dealer for the correct orifice kit for your unit. See TABLE 3 on the following page to determine the correct orifice kit.

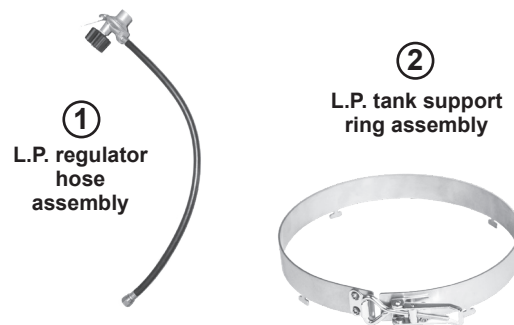
PROPANE TO NATURAL GAS			
HARDWARE KIT PARTS LIST			
Item	Description	CK-41-NAT	CK-42-NAT
		Qty.	Qty.
1.	Reducer bushing	1	1
2.	Convertible regulator	1	1
3.	1/2" pipe to 1/2" flare adapter	1	--
4.	Natural gas hose with quick connect fitting (10 ft)	1	--

Table 1



NATURAL TO PROPANE (L.P.) GAS			
HARDWARE KIT PARTS LIST			
Item	Description	CK-44-LP (post-2022)	CK-43-LP (pre-2022)
		Qty.	Qty.
1.	L.P. regulator hose assembly	1	1
2.	L.P. tank support ring assembly	1	1

Table 2



(CK-44-LP model shown)

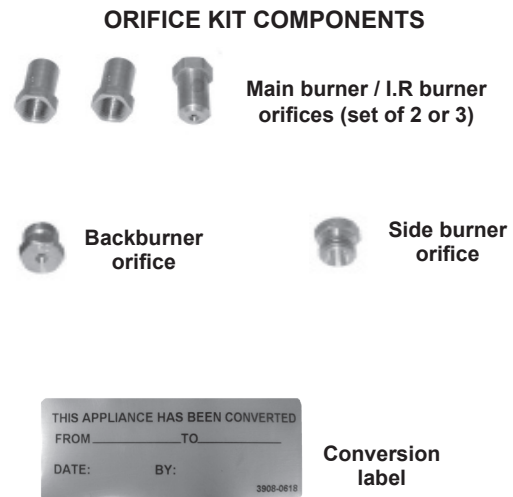
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CONVERSION KIT MODEL SPECIFICATIONS (CONT.)

NATURAL GAS ORIFICE KIT MODELS (sold separately)			
	Grill Series		
	"L" Series	"T" Series	Pre 2015
24"	24-B-51	24-B-52	24-B-53
30"	30-B-51 * 30-B-54 †	30-B-52 * 30-B-55 †	30-B-53
36"	36-B-51	36-B-52	36-B-53
PROPANE (L.P) GAS ORIFICE KIT MODELS (sold separately)			
	Grill Series		
	"L" Series	"T" Series	
24"	24-B-51P	24-B-52P	
30"	30-B-51P * 30-B-54P †	30-B-52P * 30-B-55P †	
36"	36-B-51P	36-B-52P	

* Grills equipped with a 12" backburner
† Grills equipped with a 16" backburner

Table 3



("L" Series natural gas orifice kit shown. Your kit may vary.)

If you are not sure what series your grill is, reference the cover page of your grill owner's manual.

To convert, go to the appropriate section for the gas type you are converting the unit to (propane to natural OR natural to propane), then follow the steps.

PROPANE TO NATURAL GAS CONVERSION

TOOLS REQUIRED

- Adjustable wrenches (2)
- Appropriate tools for orifice conversion. See the CONVERT GAS TYPE section of your grill owner's manual.

REMOVE L.P. GAS COMPONENTS

- Ensure the grill is completely cool, the knobs are in the off position, the gas supply to your grill is turned off, the light switch is off (if applicable), and the power supply is disconnected (if applicable).
- Remove the L.P. tank, regulator hose, and adapter attached to the manifold pipe located inside the grill cabinet (see Fig. 2-1).

CONNECT GAS REGULATOR

Important: The gas regulator **MUST** be set for natural gas. To check the regulator setting, see the CONVERT GAS TYPE, CONVERT REGULATOR section of your grill owner's manual.

- Attach the reducer bushing (Fig. 2-2, A) to the manifold pipe using a pipe joint compound that is resistant to all gasses. Tighten securely.
- Attach the regulator (Fig. 2-2, B) to the bushing using a pipe joint compound that is resistant to all gasses. Tighten securely.

Important: The arrow (located on the regulator) **MUST** point in the direction of gas flow (to the grill).

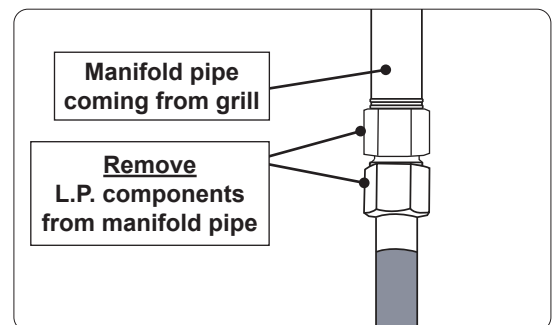


Fig. 2-1 Remove L.P. components

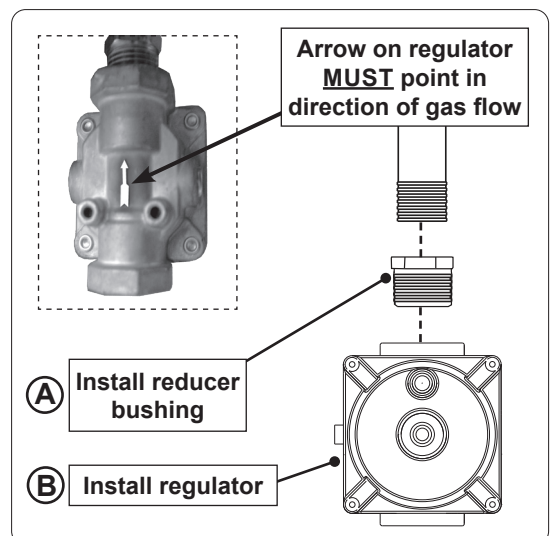


Fig. 2-2 Install bushing and regulator

CK-41-NAT MODELS ONLY

Install Quick Connect Hose

1. Detach the 1/2" pipe to 1/2" flare adapter that is loosely attached to the quick connect hose (see Fig. 3-1).
2. Attach the **pipe thread** end of the 1/2" pipe to 1/2" flare adapter (see Fig. 3-2) to the regulator inside of the grill cabinet. Use pipe joint compound that is resistant to all gasses on the **pipe thread fitting** and tighten securely.
3. Insert the hose end through the hole at the lower rear corner of the grill cabinet (see Fig. 3-3). Ensure the black grommet is in place to prevent damage to the hose.

Note: The quick connector end of the hose should remain outside of the cabinet.

4. Connect the hose to the 1/2" flare fitting of the adapter that is attached to the regulator (see Fig. 3-4). Tighten securely.

Note: **DO NOT** use pipe joint compound to connect the flare fitting.

Connect To Gas Supply

Gas Supply Plumbing Requirements: A rigid 1/2", or 3/4" black steel pipe, or local code approved pipe, is required to conduct the gas supply to the unit. The quick connect hose will be used to connect your household gas supply to the grill.

Important: A shut-off valve (not included) in the gas line is required. It provides for safety when the unit is not in use and for convenient maintenance and repair. It must be installed within 6 feet of the unit.

Note: Additional components may be needed for your specific setup.

Important: Before connecting the gas supply to your appliance, pressures **MUST** be tested and **MUST NOT** exceed 10.5" w.c. for Nat. gas. An additional regulator may be required.

Apply only joint compounds that are resistant to all gasses on all male pipe fittings. **DO NOT** use pipe joint compound to connect flare fittings. Make sure to tighten every joint securely.

Note: If 1/2" pipe is used, it should be no longer than 20'.

If your gas supply setup varies from what is detailed here, **observe the National Fuel Gas Code and all local codes.**

1. Turn OFF the gas supply at the source. Run the quick connect hose to the gas supply.
2. Connect the quick connect hose to the shut-off valve OR gas supply using a pipe joint compound resistant to all gasses (see Fig. 3-5). Tighten securely.

Proceed to the CONVERT ALL BURNER ORIFICES section on following page

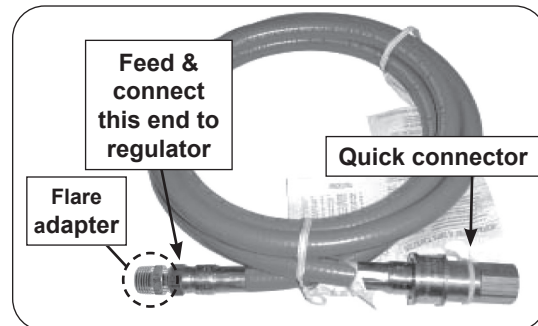


Fig. 3-1 Quick connect hose

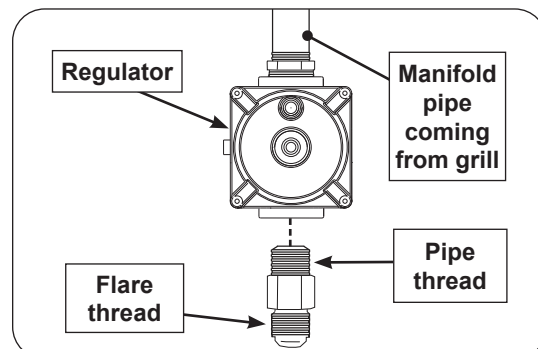


Fig. 3-2 Install adapter to regulator

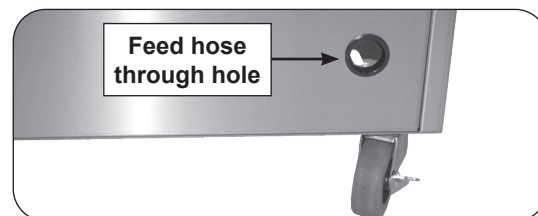


Fig. 3-3 Feed hose into grill cabinet

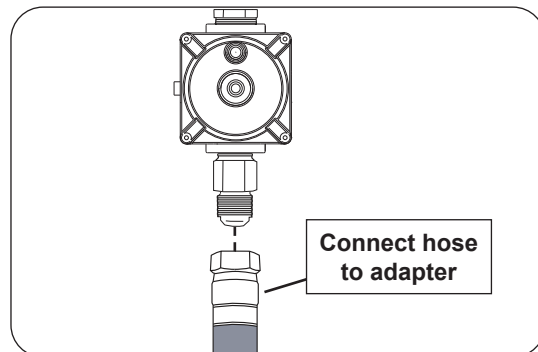


Fig. 3-4 Install quick connect hose

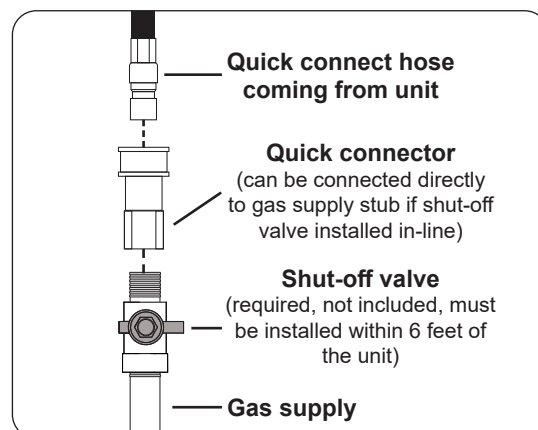


Fig. 3-5 Connect hose to gas supply

PROPANE TO NATURAL GAS CONVERSION (CONT.)

CK-42-NAT MODELS ONLY

Connect To Your Gas Supply

Gas Supply Plumbing Requirements: A rigid $\frac{1}{2}$ ", or $\frac{3}{4}$ " black steel pipe, or local code approved pipe, is required to conduct the gas supply to the unit. An outdoor C.S.A.-approved stainless-steel flex connector can be used to connect your household gas supply to the grill. **DO NOT use a rubber hose within the grill cabinet.**

Important: A shut-off valve (not included) in the gas line is required. It provides for safety when the unit is not in use and for convenient maintenance and repair. It must be installed within 6 feet of the unit.

Note: Additional components may be needed for your specific setup.

Apply only joint compounds that are resistant to all gasses on all male pipe fittings. **DO NOT use pipe joint compound to connect flare fittings.** Make sure to tighten every joint securely.

Note: If $\frac{1}{2}$ " pipe is used, it should be no longer than 20'.

If your gas supply setup varies from what is detailed here, observe the National Fuel Gas Code and all local codes.

1. Turn OFF the gas supply at the source.
2. Plumb to the unit as appropriate for the new gas supply and run the gas line through the hole at the lower rear corner of the grill cabinet (see Fig. 4-1).
3. Connect the new gas supply to the regulator inside of the grill cabinet. Use pipe joint compound that is resistant to all gasses on the pipe thread fitting and tighten securely. See Fig. 4-2.

CONVERT ALL BURNER ORIFICES

Convert **ALL** burner orifices to natural gas. See the CONVERT GAS TYPE section of your grill owner's manual for details. Contact your local dealer if orifices are needed for conversion.

APPLY CONVERSION LABEL

Fill out the supplied conversion label, then apply it next to the existing label located inside the grill cabinet (see Fig. 4-3).

LEAK TEST

Turn all burner control knobs to the **OFF** position. Turn the gas supply on. Then carefully check all gas connections for leaks with a brush and half-soap/half-water solution before lighting. **NEVER USE A MATCH OR OPEN FLAME TO TEST FOR LEAKS.**

LIGHT TEST

For details on lighting the grill, see the grill owner's manual or the instructions printed on the grill's metal drip tray. Inspect all burners for proper flame appearance. See the **AIR SHUTTER ADJUSTMENT/ BURNER FLAME INSPECTION** section of your grill owner's manual for details.



Fig. 4-1 Plumb gas supply to grill

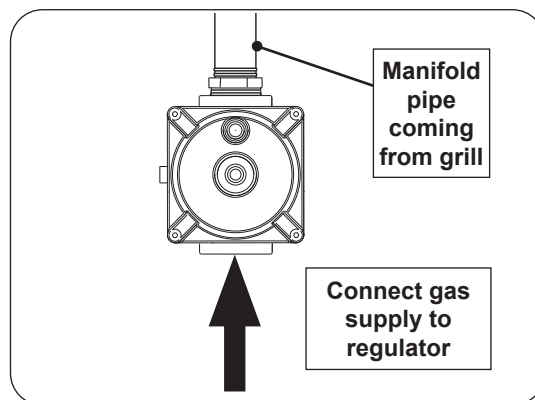


Fig. 4-2 Connect gas supply

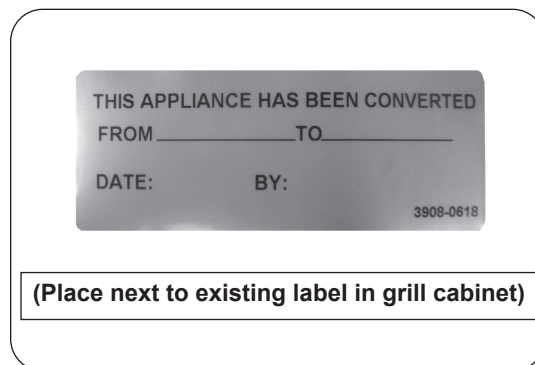


Fig. 4-3 Apply conversion label

CONVERSION FROM PROPANE TO NATURAL IS NOW COMPLETE.

NATURAL TO PROPANE GAS CONVERSION

TOOLS REQUIRED

- Adjustable wrenches (2)
- Pliers
- Appropriate tools for orifice conversion. See the CONVERT GAS TYPE section of your grill owner's manual.

REMOVE NATURAL GAS FLEX CONNECTOR FROM ADAPTER

1. Ensure the grill is completely cool, the knobs are in the off position, the gas supply to your grill is turned off, the light switch is off (if applicable), and the power supply is disconnected (if applicable).
2. Locate the gas connections inside the left door of the grill cabinet (Fig. 5-1).
3. Using two adjustable wrenches, remove the quick connect hose from the 1/2" flare adapter that is attached to the convertible regulator (Fig. 5-2).

Note: Ensure the flare adapter remains fully secured to the regulator when removing the quick connect hose.

INSTALL THE TANK SUPPORT RING

1. Open the left door of the cabinet and remove any items that will obstruct tank support ring installation.
2. Orient the tank support ring over the cabinet floor and insert the tabs into the cut-outs as shown in Fig. 5-3.
3. Ensure the ring lays flat against the cabinet floor and rotate it counter-clockwise so it locks in place.
4. To fully secure, bend the tabs inward using pliers (from underneath the unit).

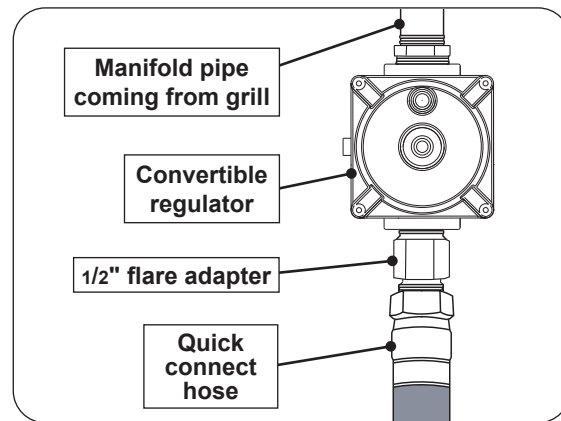


Fig. 5-1 Locate natural gas connections

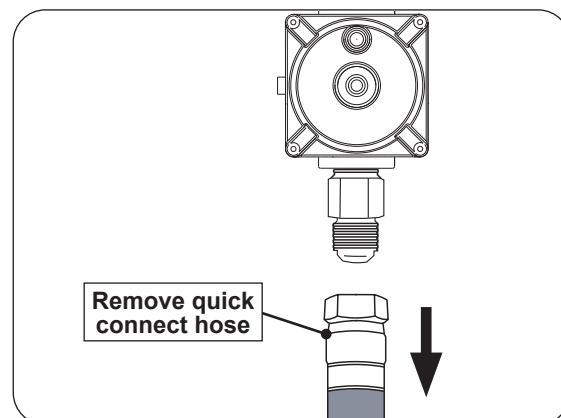


Fig. 5-2 Remove quick connect hose



Fig. 5-3 Install tank ring

NATURAL TO PROPANE GAS CONVERSION (CONT.)

MAKE PROPANE GAS CONNECTIONS

1. Place the new propane tank (not included) into the support ring. Tighten the thumb screws to secure the cylinder.
2. Locate the convertible regulator and 1/2" flare adapter coming down from inside the grill (see Fig. 6-1).
3. Attach the regulator hose assembly to the flare adapter (see Fig. 6-1).
4. Connect the other end of the regulator hose assembly to the propane tank (see Fig. 6-2).

Ensure all connections are fully secured.

See the SAFE USE & MAINTENANCE OF PROPANE GAS CYLINDERS section of your grill owner's manual for complete propane tank installation and details.

CONVERT REGULATOR AND BURNER ORIFICES

Convert the regulator and **ALL** burner orifices to propane (L.P.). See the CONVERT GAS TYPE section of your grill owner's manual for details. Contact your local dealer if orifices are needed for conversion.

APPLY CONVERSION LABEL

Fill out the supplied conversion label, then apply it next to the existing label located inside the grill cabinet (see Fig. 6-3).

LEAK TEST

Turn all burner control knobs to the **OFF** position. Turn the gas supply on. Then carefully check all gas connections for leaks with a brush and half-soap/half-water solution before lighting. **NEVER USE A MATCH OR OPEN FLAME TO TEST FOR LEAKS.**

LIGHT TEST

For details on lighting the grill, see the grill owner's manual or the instructions printed on the grill's metal drip tray. Inspect all burners for proper flame appearance. See the AIR SHUTTER ADJUSTMENT/BURNER FLAME INSPECTION section of your grill owner's manual for details.

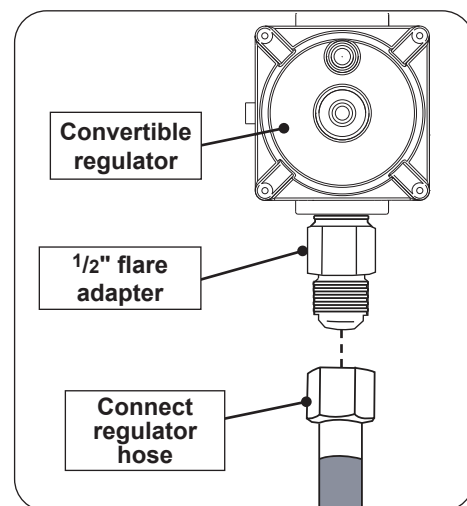


Fig. 6-1 Attach regulator hose to grill

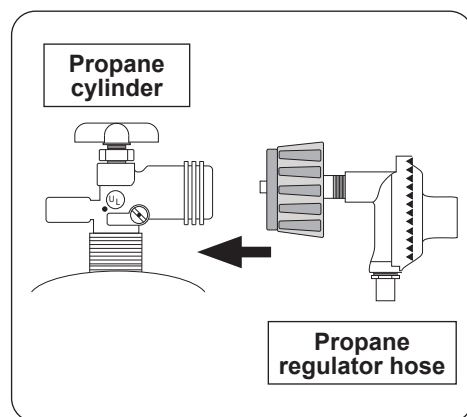


Fig. 6-2 Attach regulator hose to tank

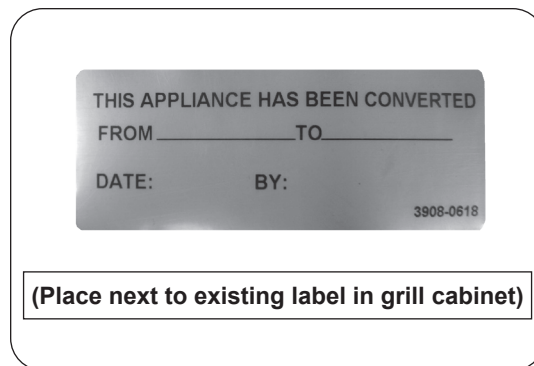


Fig. 6-3 Apply conversion label

CONVERSION FROM NATURAL TO PROPANE IS NOW COMPLETE.