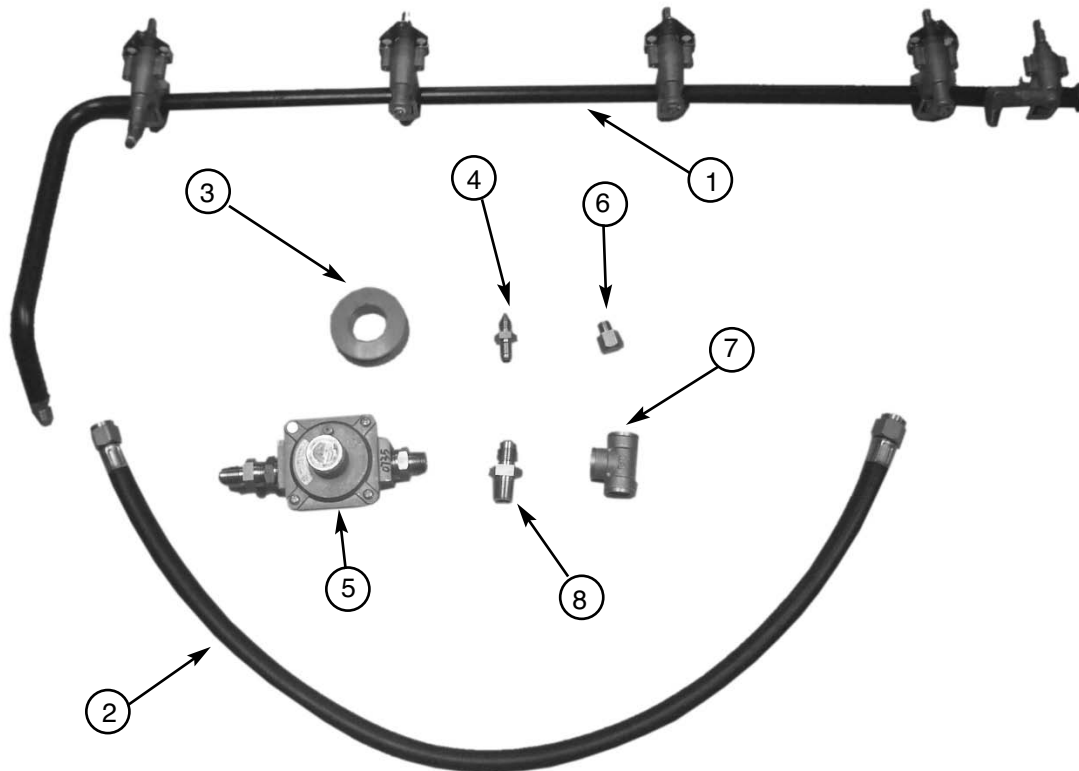


# Tuscany™ by Altima

## CS812 Natural Gas Conversion Manual

FOR OUTDOOR USE ONLY



Part No.	Qty	Description
1	RCOZZ00345A	1 Main Burner Valve & Manifold Assembly with Valves (NG)
2	RCOZZ00117A	1 Hose 27" - 3/8" Flare Both Ends for Side Burner (NG)
3	RPAZZ00002A	1 Thread Sealing Tape
4	RCOZZ00346A	1 Side Burner Orifice (NG)
5	RCOZZ00117A	1 NG Regulator 3/8" NPT x 3/8" UNF
6	RCODZ00026A	1 Orifice Back IR NG"
7	RCOZA00021A	1 Tee Fitting - Galvanized 3/8" NPT
8	RCODZ00024A	1 Connector 3/8" NPT x 3/8" UNF



NOTE: Images in this manual may differ slightly from your grill.

# CS812 Natural Gas Conversion Instructions

## **Tools Needed:**

Phillips head screwdriver  
3/4" wrench  
1/4" wrench or socket  
Adjustable wrench

\* 1/4" socket set with extension can also be used.

**Be sure gas supply is off, the knobs are in the off position and the grill is cool.**

**Wear a glove to be protected from the sharp edges of the interior parts**

**To get started, remove all the control knobs and set aside.**

**NOTE: Make sure to use supplied pipe sealant on all non-flared fittings.**

1. Use a 3/4" wrench disconnect the hose from the side burner valve and pull the hose back into the cart. (See Fig. 1)
2. Use a 3/4" wrench disconnect the other hose from the manifold. (See Fig. 2)
3. Disconnect the igniter wires underneath the side burner shelf. Then unscrew the push button cap on the side burner shelf control panel, take out the battery and unscrew the plastic nut to remove igniter module. (See Fig. 3)
4. Loosen the four (4) hex head screws on the right side of grill head assembly under the side burner shelf for approximate 0.5". Then lift and take off the side burner shelf and set aside. (See Fig. 4)
5. Loosen the four (4) hex head screws on the left side of grill head assembly under the left side shelf for approximate 0.5". Then lift and take off the left side shelf and set aside. (See Fig. 5)

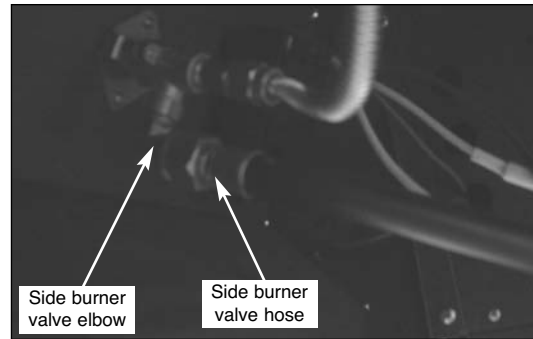


Fig 1

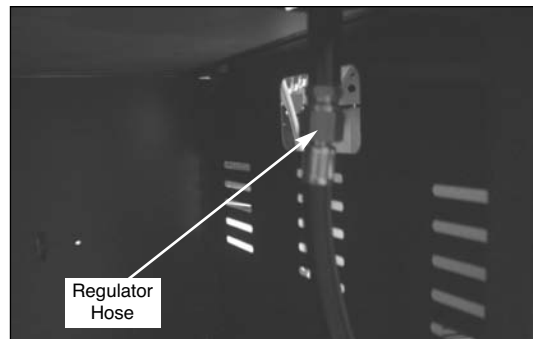


Fig 2

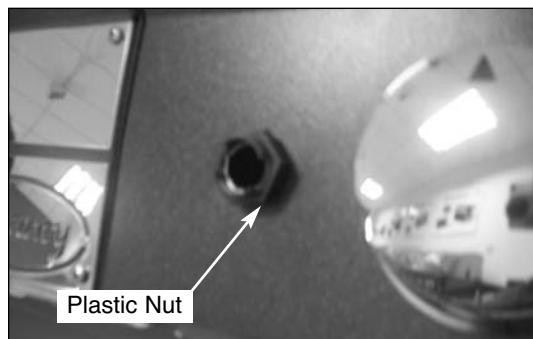


Fig 3

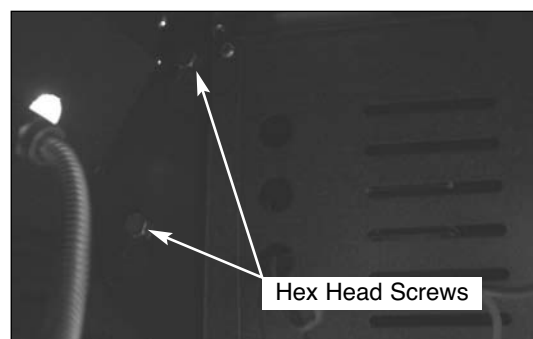


Fig 4

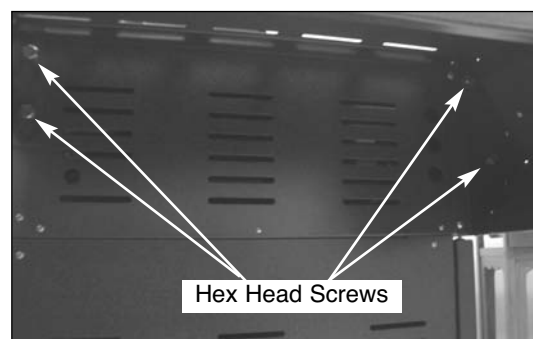


Fig 5

# CS812 Natural Gas Conversion Instructions

6. Remove the four (4) phillips pan head screws at both sides of the the front control panel. (See Fig. 6)

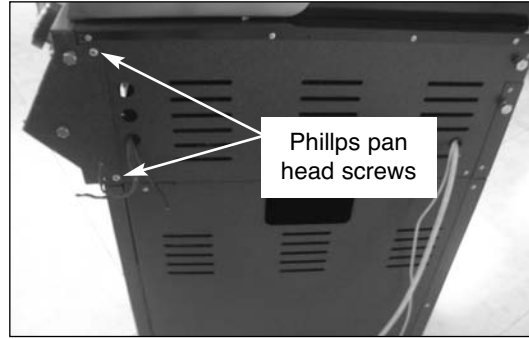


Fig 6

7. Let a friend help you to pull the front control panel away from the grill and hold it. Using a wrench, hold the elbow on the rear IR burner valve and use another wrench to disconnect the flex line. (See Fig. 7)

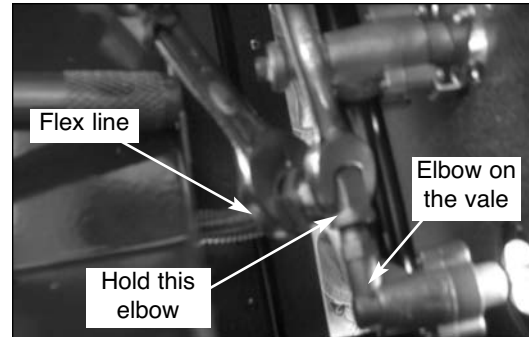


Fig 7

8. Take off the front control panel, use a screw driver to remove the eight (8) screws securing the bezels and the manifold in position. (See Fig. 8)

9. Replace the LP manifold with the one provided in the NG conversion kit. Use the eight screws removed in step 8 to attach the bezels and manifold onto the front control panel.

**NOTE: Make sure the " OFF" position facing up as it was.**

10. Attach the front control panel onto the grill head assembly by insert the extended tube of the manifold into the large slotted hole on the grill head bottom. (See Fig. 9)



Fig 8

11. Let a friend help you to hold the front control panel and attach the rear IR burner flex line to the rear IR burner control valve. (See Fig. 10)

12. Hold the elbow on the rear IR burner valve and use a 3/4 wrench to tighten the flex line on it. (See Fig. 7)

**Note: Be careful, applying pressure to the elbow of the valve may cause it to break.**



Fig 9

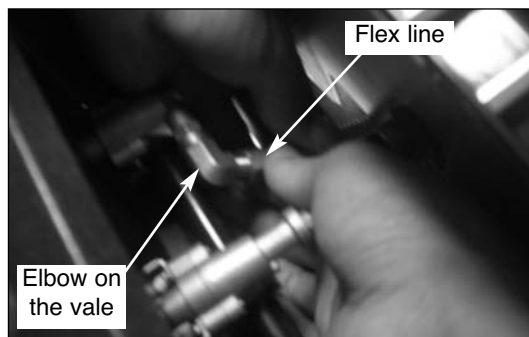


Fig 10

# CS812 Natural Gas Conversion Instructions

13. Push the front control panel back in position, make sure the orifices of the valves insert into the main burner tubes. Then use the four (4) screws removed in step 6 on page 3 to secure the front control panel in position. (See Fig. 11)
14. Remove the six (6) screws securing the rear IR cover and wind shield in position. (See Fig. 12)
15. Take off the wind shield, grasp the rear infrared cover and remove it from the grill. (See Fig. 13)
16. Use a wrench to remove the LP orifice on the rear IR burner and replaced it with the NG orifice provided in the conversion kit. (See Fig. 14)
17. Use the four (4) screws removed in step 14 to reinstall rear IR cover in position, then use the other two screws to reinstall the wind shield. (See Fig. 12)
18. Open the side burner door, remove the two phillips pane head screws holding the side burner orifice bracket in position. (See Fig. 15)

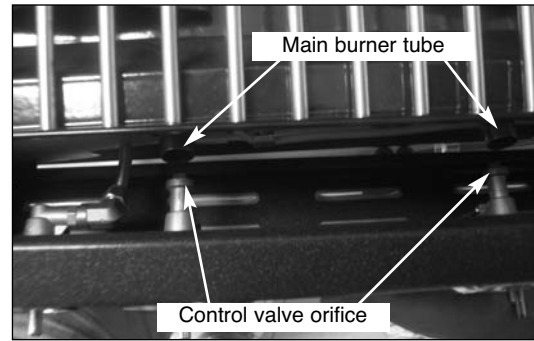


Fig 11

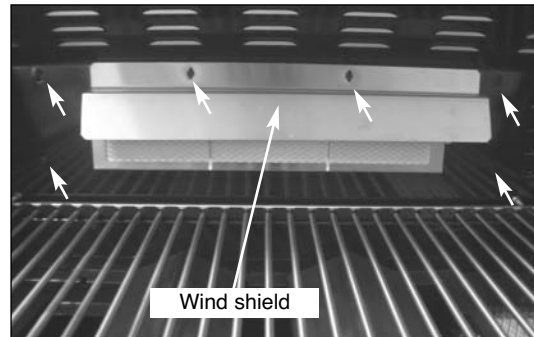


Fig 12

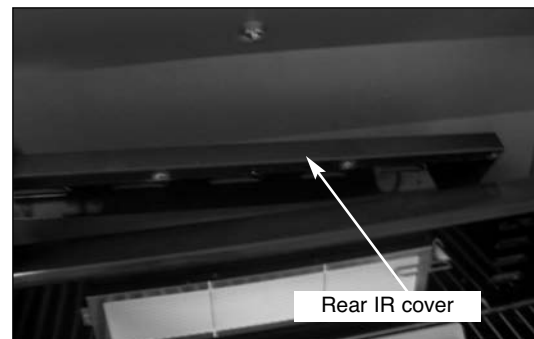


Fig 13

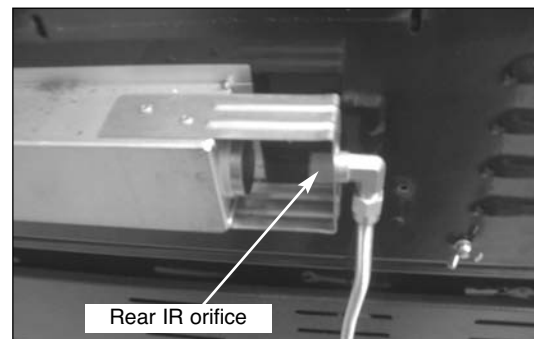


Fig 14

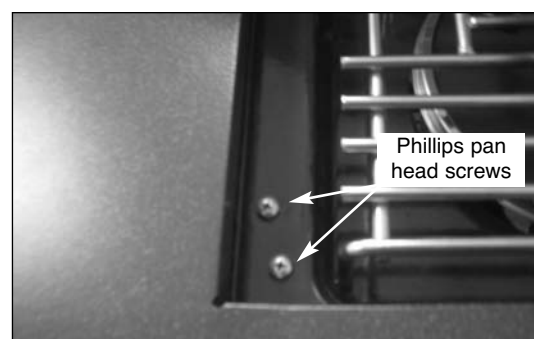


Fig 15

# CS812 Natural Gas Conversion Instructions

---

19. Unscrew the nut securing the bracket on the side burner orifice. (See Fig. 16)

20. Use a wrench to remove the side burner orifice from the flex line and replace it with the NG orifice provided in the kit. (See Fig. 17)

21. Use the nut removed in step 19 to secure the bracket onto the side burner orifice. (See Fig. 16)

22. Use the two screws removed in step 18 on page 4 to secure the bracket in position. (See Fig. 15 on page 4)

23. Attach the left side shelf onto the grill head assembly, and tighten the four (4) screws with a wrench. (See Fig. 5 on page 2)

24. Attach the side burner shelf onto the grill head assembly, and tighten the four (4) screws with a wrench. (See Fig. 4 on page 2)

25. Reinstall the igniter module in position and feed the battery with negative (-) end in first. reconnect the igniter wires to the igniter module. It does not matter which terminal tab is used when connecting igniter wires.

26. Attach the NG hose provided in the kit to the side burner valve. (See Fig. 1 on page 2)

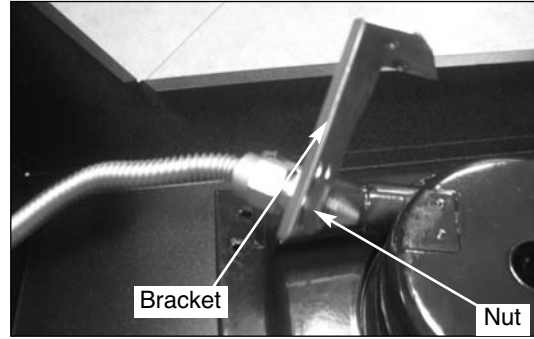


Fig 16

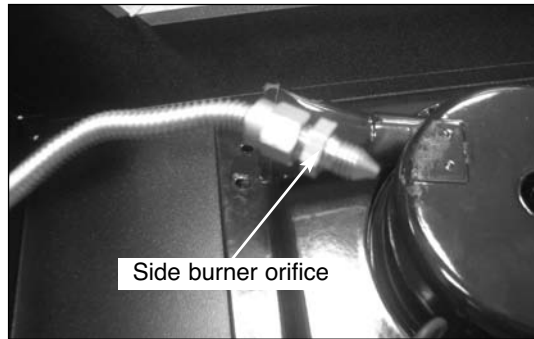


Fig 17

# CS812 Natural Gas Conversion Instructions

**Note: Make Sure to use thread Sealing tape on all non-flared fittings.**

27. Attach the tee fitting to the manifold as shown. Tighten with wrench. (See Fig. 18)



Fig 18

28. Attach the Connector 3/8" NPT x 3/8" UNF to the tee fitting as shown. Tighten with wrench. (See Fig. 19)



Fig 19

29. Attach the NG regulator to the tee fitting. (See Fig. 20)

**Note: pay attention to arrow on the NG regulator indicating direction of gas flow. The arrow should point toward the grill.**

30. Attach the other end of the side burner hose to the flare fitting on the side of the tee connector. (See Fig. 21)



Fig 20

31. Reattach all the control knobs in position.

**Note: At the completion of the conversion, a leak test should be performed on all fittings. See Use and Care manual for leak testing procedure.**

**Installation is now complete.  
Enjoy your grill safely.**

## Conversion Kit Assembly Picture

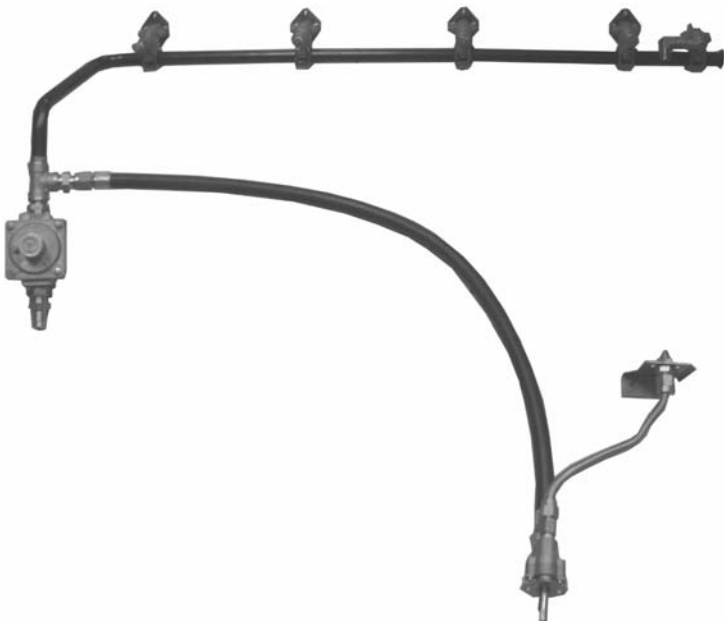


Fig 21