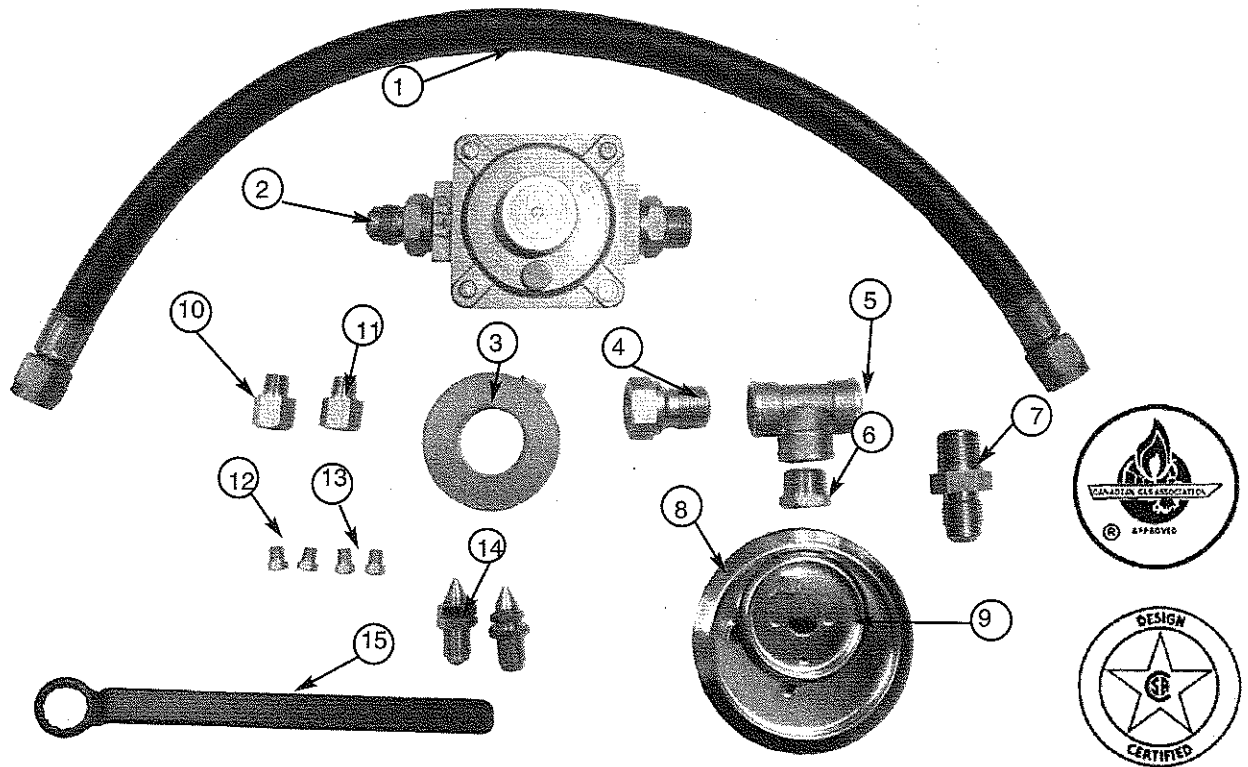


# S30NGCK Natural Gas Conversion Manual

## FOR MODEL PF30LP, PFISLP and PFSISLP



Part No.	Qty	Description
1.	1	Hose 27"
2.	1	NG regulator
3.	1	Pipe sealant
4.	1	NG Connector 5/8"UNF X 3/8"NPT
5.	1	NG Tee Fitting 3/8 FNPT
6.	1	3/8" MNPT Cover
7.	1	NG Connector 3/8"NPT X 5/8"UNF
8.	5	NG Large Bezel
9.	1	NG Small Bezel
10.	1	Back IR NG Orifice 1.66
11.	1	Bottom IR NG Orifice 1.50
12.	2	Main Burner NG Orifice 1.72
13.	2	Main Burner NG Orifice 1.66
14.	2	Side IR NG Orifice 1.50
15.	1	Wrench

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

# S30NGCK Natural Gas Conversion Instructions

## Part 1 PF30LP

### 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 start, remove all the control knobs and set aside.**

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

### Main burner NG Conversion

1. Use a 3/4" wrench disconnect the hose from the side burner valve and use another wrench hold the valve elbow. Then pull the hose back into the cart. (See Fig. 1) **Note: Be careful, applying pressure to the elbow of the valve may cause it to break.**
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. Remove the bread warming rack, main grates, anti flare screens, flavor grids and set them aside. (See Fig. 4)
5. Hold the guide pin with one hand and pull out the lock pin with the other hand. Remove the main burner tubes and set them aside. (See Fig. 5)

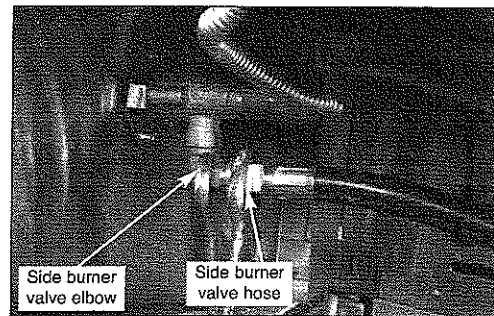


Fig 1



Fig 2

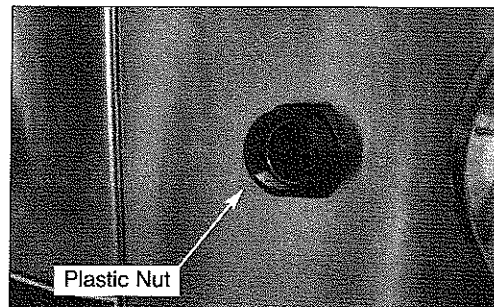


Fig 3

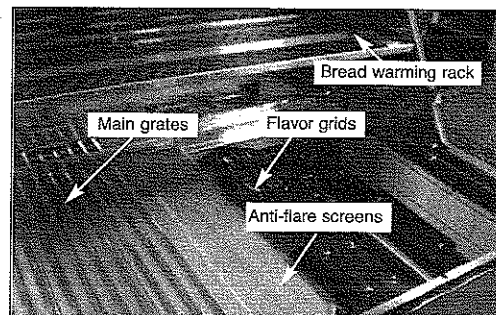


Fig 4

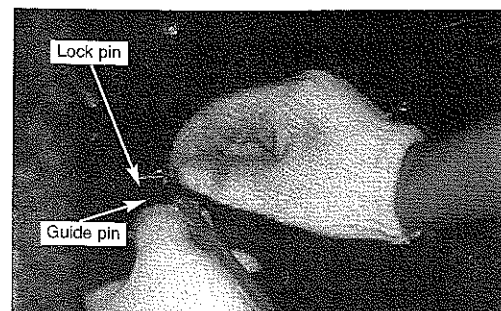


Fig 5

# S30NGCK Natural Gas Conversion Instructions

6. Loosen the self-tapping screw on the right side of grill head assembly under the side burner shelf. And loose the four bolts on the both sides of the side burner right for approximate 0.5 " .Repeat this to on the left side.Then lift and take off the both side shelves and set aside. (See Fig. 5)

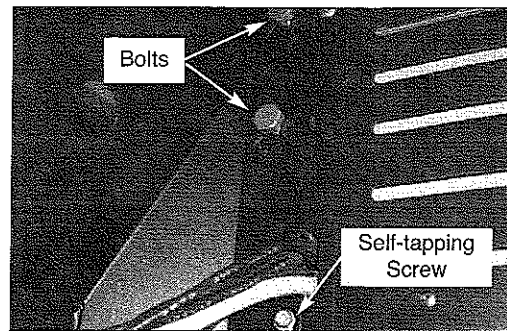


Fig 6

7. Remove the four (4) phillips pan head screws at both sides of the the front control panel. (See Fig. 7)

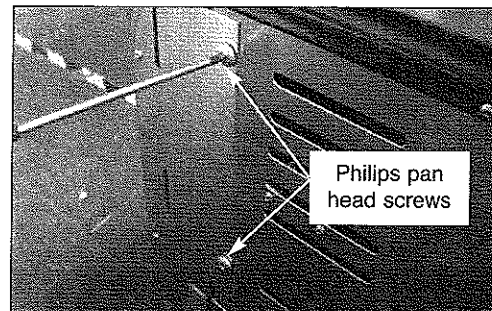


Fig 7

8. Let a friend help you to pull the front control panel out and hold it. Use a wrench to remove the four (4) main burner LP orifices. Then replace the four (4) main burner NG orifices provided in the NG conversion kit. (See Fig. 8)

**Note: Make sure two Main Burner NG Orifices 1.72 are in two sides and two Main Burner NG Orifices 1.66 are in the middle.**

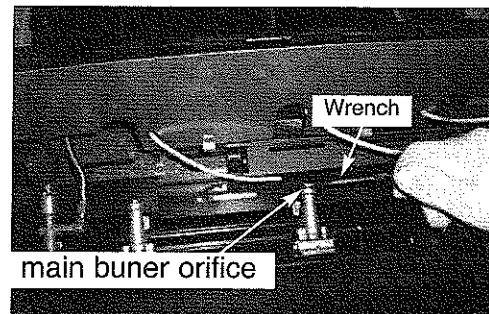


Fig 8

9. 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)

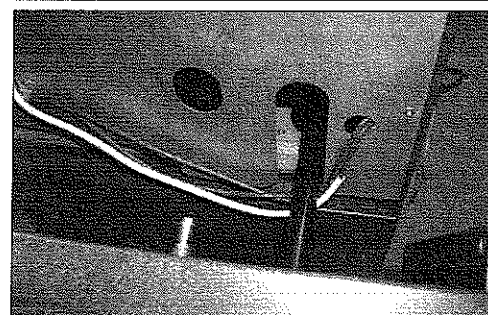


Fig 9

10. Push the fornt control panel back in position. Then use the four (4) screws removed in step 7 to secure the fornt control panel in position. (See Fig. 7)

11. Reattach the main burner tubes with guide pins and lock pins remove in step 5 on page 2 .(See Fig. 5 on Page 2)

**Note: Make sure the orifices of the valves into the main burner tubes.**

12. Pull out the knobs (one small knob and five large knobs) and set them aside. (See Fig. 10)

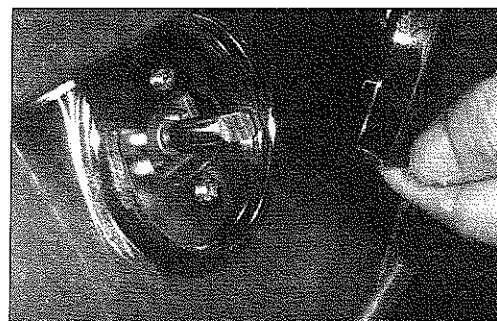


Fig 10

# S30NGCK Natural Gas Conversion Instructions

13. Loosen the two (2) philips pan head screws on the bezel (one small bezel and five large bezels). (See Fig. 11)

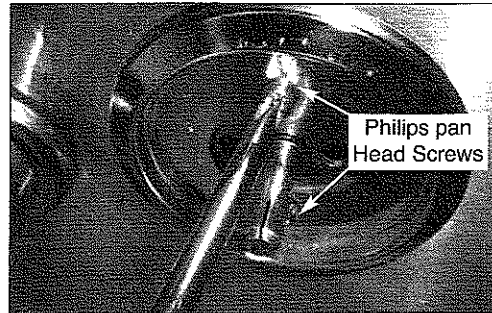


Fig 11

14. Replace the new bezels (one small bezel and four large bezels) with the stop stem provided in the NG conversion kit. Attach the two (2) philips pan head screws on the bezel (one small bezel and four large bezels). (See Fig. 12)

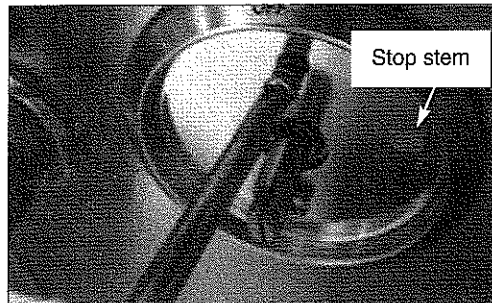


Fig 12

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

## Back IR burner NG Conversion

15. Remove the six (6) screws secure the back IR cover and wind shield in position. (See Fig. 13)

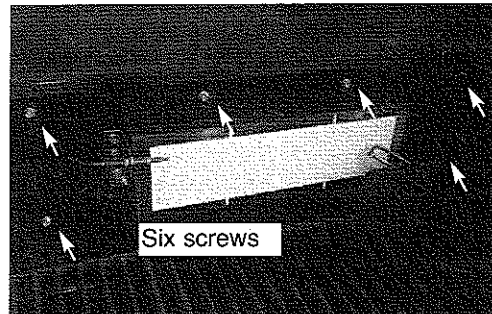


Fig 13

16. Grasp back IR cover. Remove it from the grill and set it aside. (See Fig. 14)

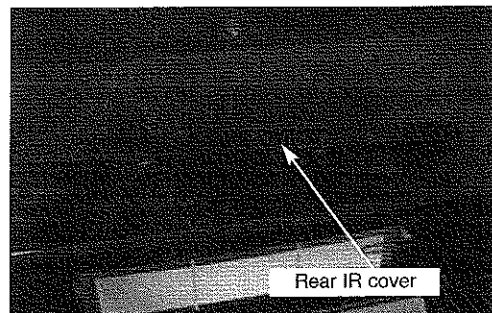


Fig 14

17. Use a wrench to remove the LP orifice on the back IR burner and replaced it with the NG orifice provided in the conversion kit. (See Fig. 15)

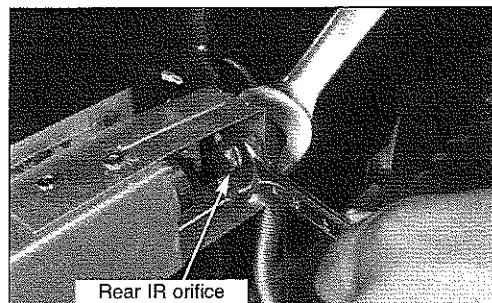


Fig 15

18. Use the four (4) screws removed in step 1 to install back IR cover in position, then use the other two screws to install the wind shield. (See Fig. 13)

19. Replace the main grates, anti flare screens, flavor grids and the bread warming rack. (See Fig. 4 on Page 2)

# S30NGCK Natural Gas Conversion Instructions

## Side IR burner NG Conversion

20. Attach the left side shelf and the side burner shelf onto the grill head assembly, and tighten the three (3) screws. (See Fig. 5 on page 2)
21. Reinstall the igniter module in position and feed the battery with negative (-) in first. Reconnect the igniter wires to the igniter module. It does not matter which terminal tab is used when connecting igniter wires.(See Fig. 3 on page 2)
22. Open the side burner door. Remove the grate. Remove the two phillips pan head screws holding the side burner orifice bracket in position. (See Fig. 16)
23. Unscrew the nut securing the bracket on the side burner orifice. (See Fig. 17)
24. Use a wrench to remove the side burner orifice from the flex line and replace it with the NG orifice provided in in the conversion kit. (See Fig. 18)
25. Use the nut removed in step 23 to secure the bracket onto the side burner orifice. (See Fig. 17)
26. Use the two screws removed in step 22 to secure the bracket in position and replace the grate. (See Fig. 16)

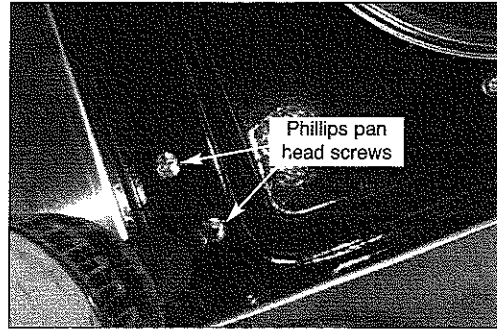


Fig 16

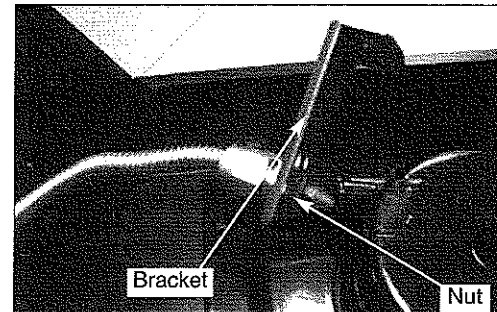


Fig 17

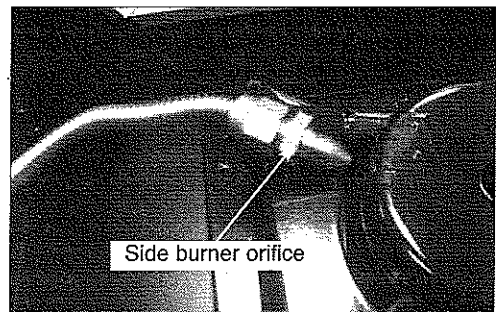


Fig 18

# S30NGCK Natural Gas Conversion Instructions

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27. Attach NG Connector 5/8" UNF x 3/8" NPT, the tee fitting, the Connector 3/8" NPT x 5/8" UNF and the NG regulator together as shown. Tighten with pipe sealant and wrench. (See Fig. 19)

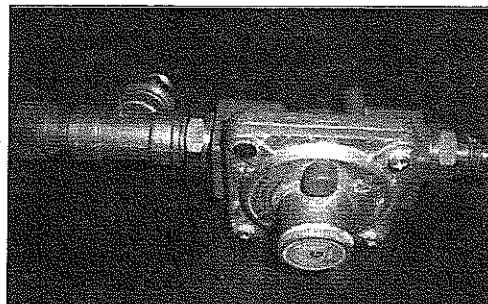


Fig 19

28. Attach the NG regulator set (PF30LP) to the manifold as shown. (See Fig. 20)

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

29. Attach the other end of the side burner hose to the Connector 3/8" NPT x 5/8" UNF. (See Fig. 21)

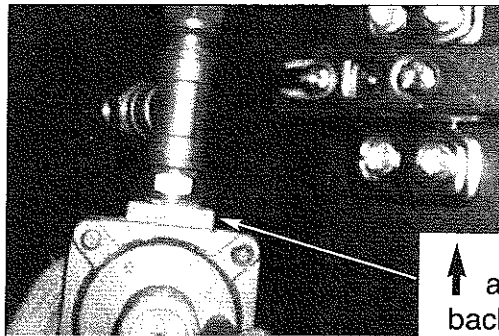


Fig 20

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

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

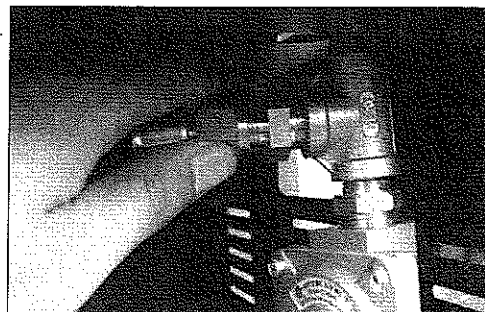


Fig 21

# S30NGCK Natural Gas Conversion Instructions

## Part 2 PFISLP

Reference steps 1- 14 except step 6 of PF30LP Natural Gas Conversion Instructions.

### Bottom IR burner NG Conversion

1. Remove the flavor grid and set it aside. (See Fig. 1 of PFISLP)
2. Remove the three (3) screws secure the bottom IR cover and wind shield in position. (See Fig. 2 of PFISLP)
3. Use the wrench provided in the conversion kit to remove the LP orifice on the bottom IR burner and replaced it with the NG orifice provided in the conversion kit. (See Fig. 3 of PFISLP)
4. Use the three (3) screws removed in step 2 to install bottom IR cover in position. (See Fig. 2 of PFISLP)
5. Replace the flavor grid. (See Fig. 1 of PFISLP)
6. Replace the main grates, anti flare screens, flavor grids and the bread warming rack. (See Fig. 4 on Page 2)

### Attach the NG regulator set

7. Attach NG Connector 5/8" UNF x 3/8" NPT, the tee fitting, 3/8" MNPT Cover and the NG regulator together as shown. Tighten with pipe sealant and wrench. (See Fig. 4 )
8. Attach the NG regulator set (PFISLP & PFSISLP) to the manifold as shown. (See Fig. 5)

**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.

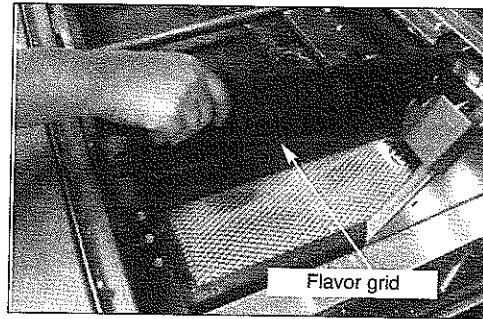


Fig. 1

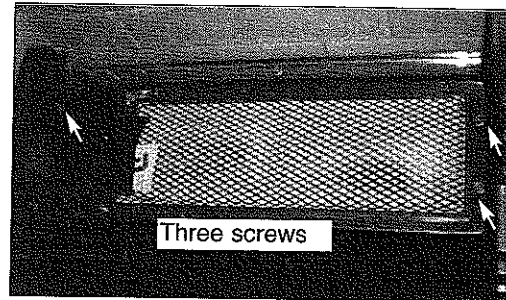


Fig. 2



Fig. 3

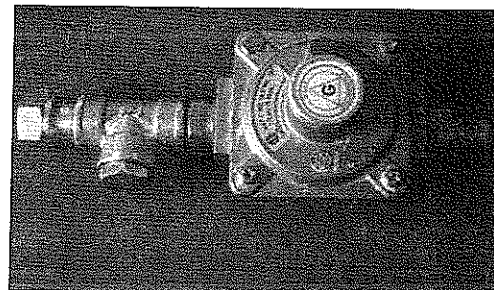


Fig. 4

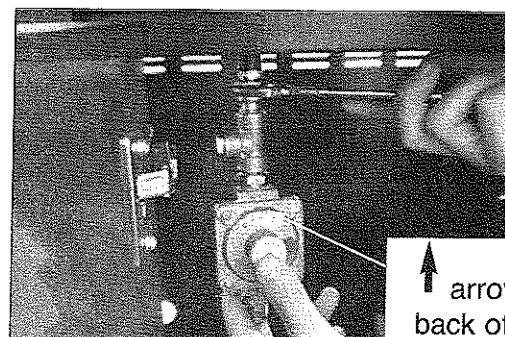


Fig. 5

# S30NGCK Natural Gas Conversion Instructions

## Part 3 PFSISLP

Reference steps 1- 14 except step 6 of PF30LP Natural Gas Conversion Instructions.

### Side IR burner NG Conversion

1. Remove the two drawers and set aside. (See Fig 1)
2. Remove the two self-tapping screws on the cart side right. (See Fig 2)
3. Remove the two self-tapping screws on the cart side middle beside the drawers. (See Fig 3)
4. Remove the head bottom and set aside. (See Fig 4)

4. Reference steps 22-26 of PF30LP Natural Gas Conversion Instructions.

5. Repeat steps 22-26 to change another side burner orifice of PFSISLP.

6. Reattach the head bottom removed in step 4.

Reference steps 7- 8 of PFISLP Natural Gas Conversion Instructions to attach the NG regulator set.

**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.**

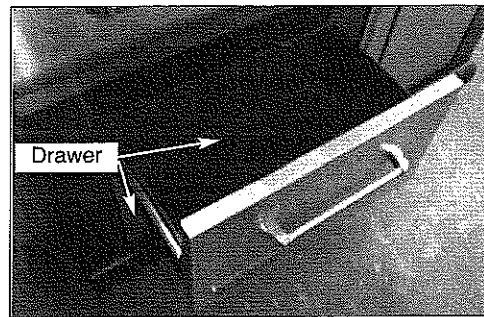


Fig. 1

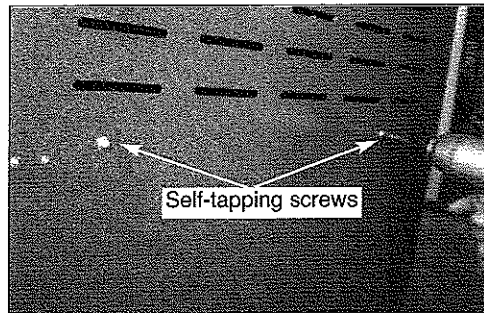


Fig. 2

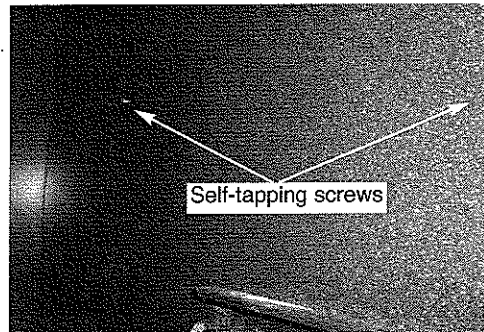


Fig. 3

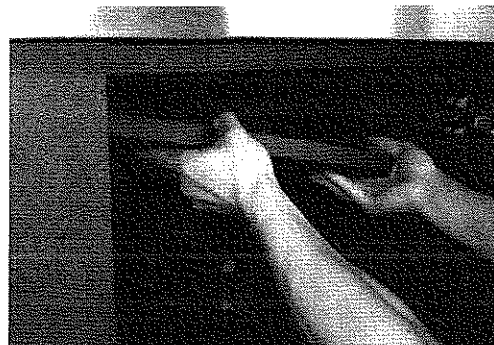


Fig. 4