

REMOVING AND REPLACING BLOCK

MODELS: 80VP, 125VP, 170VP



WARNING

LP & NG ARE EXTREMELY FLAMMABLE SO
TAKE EXTRA PRECAUTIONS WHEN
PERFORMING ANY WORK TO THE HEATER

Items included:

- Gas block with thermostat attached
- 2 washers for water connections
- Pilot gasket

Prepare to remove the old gas block assembly

1. Gather necessary tools
 - a. Straight bladed and phillips screw driver
 - b. Wrenches 10mm, 11mm, 12mm and an adjustable
 - c. Bucket or basin to catch water
 - d. AquaStar Installation Manual
2. Remove front, side and bottom panels
3. Shut off water and gas supply to heater
4. Open a hot water tap to relieve pressure on system

Removing gas block from heater

1. Remove pilot "s" tube assembly (Pg 17, model 80/125 #34333) (model 170 #38461)
 - a. Disconnect pilot "s" tube from pilot assembly
 - b. Disconnect pilot "s" tube from gas block
2. Disconnect water lines from gas block
3. Remove thermostat from left side of heat exchanger.
4. Disconnect thermocouple (Pg 17, model 80/125 #20887) (model 170 #23989) from gas block
5. Disconnect manual gas valve (Pg 18, #38237) from underside of gas block
6. Remove gas block retaining screws, one on each side of manifold bar
7. Remove gas block assembly

Replace Gas block into heater

1. Position gas block assembly in heater, at same time reinsert thermostat with washer
2. Secure gas block and thermostat with their retaining screws
3. Connect manual gas valve to underside of gas block assembly
4. Connect thermocouple
5. Connect pilot "s" tube to gas block
6. Connect pilot "s" tube to pilot assembly, be sure to include pilot gasket that is provided
7. Reconnect water lines with washers provided

Test for gas leaks

Test for water leaks

Check activation flow rate

Check temperatures vs. flow rates