

Technical Service Bulletin:

Replacing The Electromagnet

Models: 520HN, 520PN, 330PN



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WARNING

LP & NG are extremely flammable. Take extra precautions when performing any work to the heater.

Tools needed:

- 8mm or small adjustable wrench
- 17mm or large adjustable wrench

Removing electromagnet

1. Turn off gas to the water heater.
2. Turn off water supply to the water heater using installer supplied cold water isolation valve.
3. Remove front cover of water heater as per instructions in the installation manual.
4. Using 8mm or adjustable wrench, loosen and remove 8mm nut and lead wire connected to electromagnet (Fig. 1).
5. Using 17mm or adjustable wrench, loosen larger 17mm nut and remove electromagnet from gas valve assembly.

Installing electromagnet

1. Insert replacement electromagnet into rear of gas valve with spring and plunger end first.
2. Secure electromagnet into gas valve by tightening large 17mm nut. Do not over tighten.
3. Thread lead wire with 8mm nut into electromagnet and tighten. Do not over tighten.
4. Reinstall front cover per instructions in the installation manual.
5. Reopen water and gas supplies and check for gas leaks around the electromagnet fittings. Tighten nuts further if a leak is found.
6. If no leaks are found, return heater to service.

Figure 1



Electromagnet location (view from bottom of heater)



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