

Technical Bulletin March 2026

SIT Proflame EV1/EV2 Electronic Ignition Valve Solenoid Kit (0.967.006) Regency Part #911-465

SIT has released a kit to repair EV1 (Pilot Solenoid) and EV2 (Main Burner Solenoid) for the Proflame 880, 885 and 886 gas valves. This can save valuable time for the service technician as it takes significantly less time to replace the solenoids, then replacing the entire valve or valve assembly. Replacing the EV1/EV2 solenoids does not require breaking the main gas line and the kit is also less expensive than a complete valve replacement.

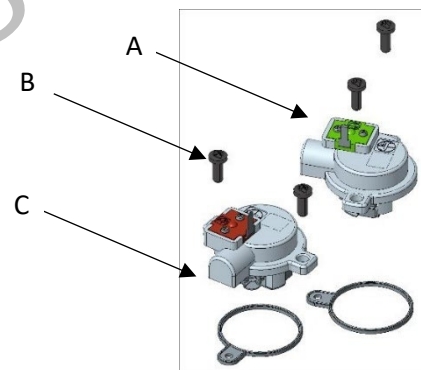
If gas will not go to the pilot or main burner, one of the issues may be the EV1/EV2 solenoid on the valve is dead. You can test this by doing a resistance test on the solenoid with no wires connected to the solenoid. See the Regency SIT Proflame II troubleshooting guide on our Ignite site for more information.

This EV1/EV2 Electronic ignition Valve Solenoid Kit will also include an instruction sheet which is also shown below.

ON/OFF SOLENOID INSTRUCTIONS REPLACEMENT

Verify that the following items are present in the package.

- Two (2) On/Off solenoids (A), with different colors: green (EV1, code 1967001) and red (EV2, code 1967002).
- Four (4) screws (B)
- Two (2) gaskets (C)
- Installation instructions (this document)



1. Shut off the gas supply to the valve and shut down the electric Supply. Remove the electrical connection at the solenoid assembly.
2. Use clean gloves to perform all replacement operations.

See Fig 1. Using a Torx T20, or slotted screwdriver, remove and discard the two (2) solenoid mounting screws (A), remove the old solenoid assembly (B) and the gasket below it (C).

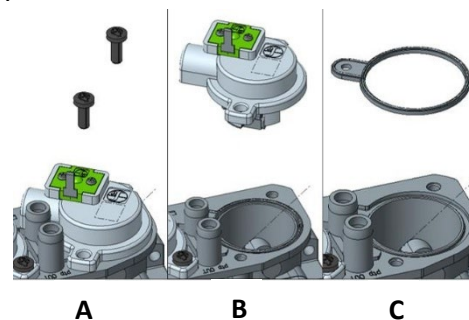


Fig. 1

3. Place carefully the new rubber gasket (C) on its seat with the rib facing up (Fig. 2).

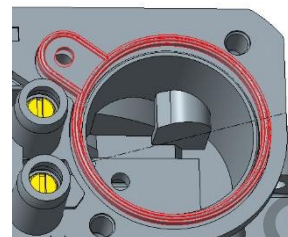


Fig. 2

4. Verify that the plastic color of the new solenoid corresponds to the plastic color of the solenoid assembly to replace.

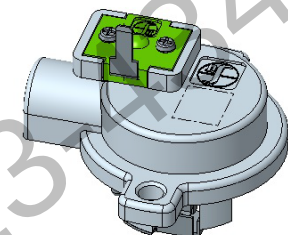


Fig. 3

5. Remove the protective plastic cap (Fig. 3) from the new solenoid assembly.
Visually check that all its parts are intact and clean.
Take care to avoid touching the protected parts with fingers or any tool, and place solenoid on its seat (fig. 4).
Place the two new screws on the proper solenoid assembly holes (fig. 5).

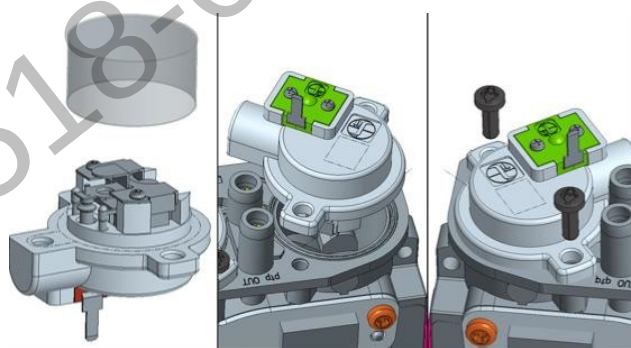


Fig. 3

Fig. 4

Fig. 5

6. Manually tight the two screws using a dynamometric screwdriver set at torque of 25lb-in +/- with a T20 Torx bit.
IN THE EVENT THAT THE THREADS OF THE VALVE ARE STRIPPED OR DAMAGED, REPLACE THE WHOLE GAS VALVE.
7. Connect the power supply connector to the new solenoid assembly.
8. Set the electronic board to operate in "continuous pilot" mode.
9. Open the gas supply and check with an electronic sniffer suitable to detect the supplied gas if there are gas leakages around the replaced solenoid assembly.
10. Switch on the electronic board and the thermostat to light on the pilot flame and the main burner flame.
11. Wait until the pilot flame and the main burner flame come up.
12. Check again with the electronic sniffer if there are gas leakages all around the gas valve.
13. Switch off the thermostat to light off the main burner flame.
14. Check that the main burner flame shut effectively off and check with the electronic sniffer if there is gas presence next to the main burner, around the gas valve and next to the replaced solenoid assembly.
15. Switch off the electronic board to shut down the pilot flame.
16. Check that the pilot flame shuts effectively off and check with the electronic sniffer if there is gas presence next to the pilot burner assembly, around the gas valve and next to the replaced solenoid assembly.
17. If requested, set the electronic board to operate in "intermittent pilot" mode.

WARNING!

Installation should be carried out in a clean environment. Use clean gloves during replace operations.

WARNING!

Remove the solenoid protective plastic cap only just before placing the solenoid assembly on its valve seat; don't touch the protected parts with fingers or any other tool; don't use the old gasket and screws; take to not damage the gasket during assembly.

WARNING!

Don't use the solenoid assembly if it has been dropped or has sustained a strong impact.

INSTALLER NOTICE. These instructions must be left with appliance.

WARNING!

If during the leakage checks any leakage is detected, replace the whole gas valve.