



Service Bulletin

SF-012

DATE: April 18, 2006
TO: All Service and Parts Managers
SUBJECT: New Ignition Control Board 0130F00005S

During this past heating season we had some reports of slight delays in furnace ignition operation. The igniter was not staying energized long enough before the gas valve was fully opened causing a no light situation during the first ignition sequence of the furnace. On subsequent ignition tries the furnace, in most cases, would light and continue to operate until next ignition cycle.

As a product improvement we have made a change to the Ignition Activation Period (IAP) of the ignition control on all GMS8, GCS8, GDS8, GMS9, GCS9, GMS95, GCS95, DMS8, DDS8, DHS8, DMS9, and DCS9 model furnaces from 1 to 2 seconds. This allows for a slightly longer time for the igniter to stay energized after the gas valve is energized. The Ignition Activation Period is defined as the amount of time the igniter remains energized after the gas valve has been energized. All other wiring, connections, timings, etc. are equivalent to the B1809926 ignition control.

With this change, which took effect in production December 15, 2005, the part number of the control board changed from B1809926 to 0130F00005. All units produced after this date, have the new control (Part # 0130F00005) with the 2 second Ignition Activation Period (IAP). These ignition controls are used on Goodman® single-stage 80%, 90% and 95% model furnaces (GMS8, GCS8, GDS8, GMS9, GCS9, GMS95, GCS95) along with the Amana® Distinctions single-stage 80% and 90% model furnaces (DMS8, DDS8, DHS8, DMS9, DCS9).

If a unit experiences a “no light” situation, before arbitrarily making a control board change, the following checks should be performed to rule them out as a possible cause and **only then** should the ignition control be replaced:

1. **Poor electrical ground to the equipment:** All internal equipment ground wires should be checked for tight connections. Also, check for voltage between the “LINE N” terminal and the “C” Common 24 volt terminal on the ignition control board. If you measure 2 volts or less you have a good ground, more than 2 volts indicates a bad ground at the electrical panel or ground rod. The gas furnace must be on a dedicated electrical circuit going directly to a dedicated single-pole breaker in the breaker panel. The ground wire from the furnace should terminate to a ground rod.
2. **Sticking Gas Valve:** To check for this condition, apply 24 volts “OFF/ON” several times to the gas valve directly. Replace the original low voltage wires to the gas valve and then start the furnace. Adjust the thermostat to call for heat and verify proper ignition.

The new ignition control (**Part # 0130F00005S**) can be ordered from Service Parts by contacting your customer service order representative.

Technical Services Department • 1810 Wilson Parkway • Fayetteville, TN 37334
Main: 888.593.9988 • Service Fax: 931.438.2273



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