



It's time to get comfortable.

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DATE: May 20, 2015

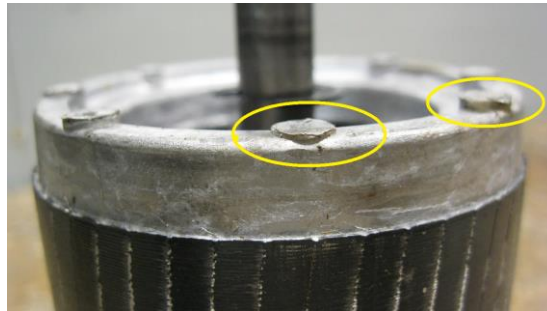
YS-001-15

TO: All York Branch Service Managers
All York Distribution Service Managers
All Regional Managers

SUBJECT: Regal-Beloit $\frac{3}{4}$ & 1 HP PSC Blower Motors

We have received reports of bearing failures on the $\frac{3}{4}$ HP (17491/S1-02432055000) and 1 HP (17492/S1-02432056000) PSC blower motors used on various residential gas furnaces for some time. Our warranty history shows a spike beginning with furnaces produced in January, 2013 which we believe correlates with this issue. We are working with Regal-Beloit on a new motor which incorporates a ball bearing design, as recent tear down analysis events revealed an issue that existed with the sleeve bearing design that likely contributed to the failures.

Part of the casting process in forming the rotor left “ejector pins” on one of the end caps. Motors that were returned to us for inspection found inconsistencies in the length of the “ejector pins” which allowed the rotor to become out of balance. The amount of inconsistency determined how far out of balance the rotor was and how long the motor could operate before bearing failure occurred.



Ejector pins not same height.

Regal-Beloit changed the casting process on motors produced from March 23, 2015 (code date 08215M1) and we began using these new motors in furnaces produced on April 1, 2015 (W1D5 serial prefix) and in Source 1 inventory. It will be several months before we start receiving motors with the new ball bearing design, but believe the ejector pin inconsistency weighed heavily on the sleeve bearing failures.

This service letter allows for fix-on-fail allowance of one hour labor for the replacement of any $\frac{3}{4}$ HP (17491/S1-02432055000) and 1 HP (17492/S1-02432056000) PSC blower motors used on 33” gas furnaces produced between January 2013 and April 1, 2015.

Please feel free to contact us if you have any questions.

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