

DEALER SERVICE BULLETIN

Number: DSB 13-0008

Issued: 3/18/13

Title: SPP RBC X-13 Blower Motor
Replacement control Modules

PRODUCT CATEGORY:

Small Packaged Products (SPP)

MODELS AFFECTED:

Multiple Carrier, Bryant and Payne SPP model families using X13 blower motors are affected. Each motor and replacement module is used on multiple discrete models; therefore, search for the replacement module using the original blower motor part number (Table 1: Control Module Part Number Cross-reference on page 2.).

Serial Number(s): Prior to 3712XXXX

This policy applies to field installed units with 5 years of service or less and valid warranty coverage.

SITUATION:

SPP X13 blower motors are experiencing a control module failure in certain operating environments.

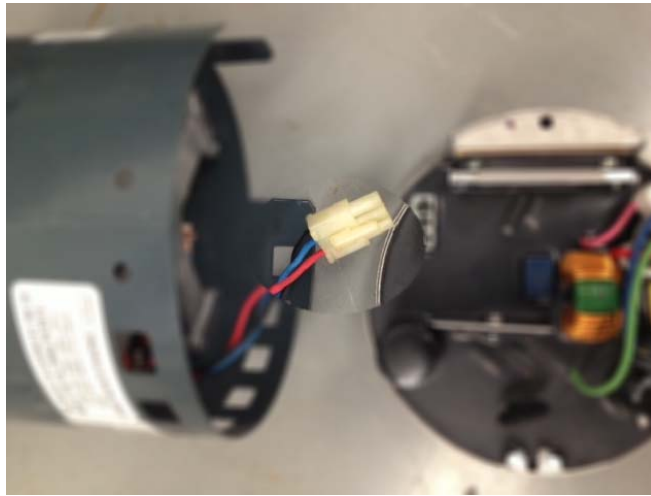
SOLUTION:

For future claims, replace only the control section of the blower motor with a replacement control module, if available. Table 1 shows the available control module for the original blower motor. Some control modules are used with multiple motor part numbers. There is a label on each control module that references the acceptable motors with which it is compatible.

Prior to installing the replacement control module, the motor section condition needs to be verified.

- Check to see if the blower wheel spins freely.
- To check for short to ground, use an ohmmeter to measure the resistance from any one of the motor connector pins to the aluminum end plate of the motor. This resistance should be greater than 100k ohms.
- Check the motor phase-to-phase resistance between each of the leads in the three pin motor connector. The lead to lead resistance across any two leads should be less than 20 ohms. Each lead to lead resistance should be the same within +/- 10%.

Warning: Do not perform any of the servicing instructions provided in this Service Bulletin unless you are a trained and qualified technician. Observe all precautions in the instructions, equipment tags, labels, and observe all other safety precautions that may apply. Failure to follow this warning could result in property damage, personal injury or death.



If any motor fails any of the three tests, unit does not qualify under the terms of this bulletin and must be claimed through normal warranty procedures. **Do not install a new control module.** The new control can fail if placed on a defective motor.

Table 1: Control Module Part Number Cross-reference

| Affected Motor Number | Available Module Part Number |
|-----------------------|------------------------------|
| HD42AR234 | HK42ER210 |
| HD42AR235 | HK42ER211 |
| HD44AE232 | HK44ER220 |
| HD44AE234 | HK44ER221 |
| HD44AE235 | HK44ER222 |
| HD44AR236 | HK44ER223 |
| HD44AR237 | HK44ER224 |
| HD44AR238 | HK44ER225 |
| HD46AE224 | HK46ER230 |
| HD46AR220 | HK46ER231 |
| HD46AR233 | HK46ER232 |
| HD46AR243 | HK46ER233 |
| HD52AE136 | HK52ER240 |
| HD52AE137 | HK52ER241 |
| HD52AE141 | HK52ER242 |
| HD52AR135 | HK52ER243 |
| HD52AR223 | HK52ER244 |

Field Action:

Replace failed blower motor control module with factory approved module. If motor does not have an available module cross referenced above, replace entire motor.

Note: Bulletin will not cover entire motor replacements if a replacement module is available as listed in Table 1 above.

Only authorized dealers having an active Service Provider company ID in the Carrier warranty system will be allowed to submit claims. Claims submitted on cash accounts or house accounts will not be allowed.

Replacement Parts:

PMB13-043 will be issued following release of this SMB.