



Johnson Controls Service Information

File In/With:

SI0327

New

816

Equipment Affected: Series 100 (Eco2) Packaged Rooftop Units: Models A, B, and C

Replacement of Condenser Fan Motors and Fan Blade Impellers

GENERAL

This Service Information letter serves to inform Johnson Controls, Inc. branches, as well as mechanical contractors, of the incompatibility between new condenser fan motors and old condenser fan blade impellers for the Series 100 (formerly Eco2) Packaged Rooftop Units (RTUs), Models A, B, and C.

If the model number of the RTU has either an "A," "B," or "C" as the 15th digit, when replacing a condenser fan motor, the condenser fan blade impeller must also be replaced.

Condenser fan motors with part numbers listed in *Table 1* have a condenser fan blade impeller with the part number 026-37577-000. This impeller is not compatible with the new efficient motors that are currently supplied.

TABLE 1 - MOTOR PART NUMBERS FROM THE VINTAGE "A," "B," OR "C" MODEL NUMBER

VOLTAGE	PART NUMBER
200	024-27322-003
230	024-27322-006
380	024-27322-004
400 (50 Hz)	024-27322-005
460	024-27322-005
575	024-27322-002

When a condenser fan motor is ordered using one of the original part numbers above, it is replaced with a new efficient motor possessing a part number from *Table 2*. For example, a 460-volt motor with the original part number 024-27322-005 will be replaced with a new motor that has the part number 024-27322-107. Because the new condenser fan motors are not compatible with the older style of condenser fan blade impellers, the impeller must also be upgraded to part number 026-41594-000.

See the parts breakdown in *Table 2* on the next page for correct parts ordering. For proper replacement of a fan motor (item 9), you will also need to replace at a minimum items 2, 5, 6, and 7 depending on the voltage of the unit.

Work on this equipment should only be completed by properly trained personnel who are qualified to work on this type of equipment. Failure to comply with this requirement could expose the worker, the equipment, and the building and its inhabitants to the risk of injury or property damage.

The instructions on this service bulletin are written assuming the individual who will perform this work is a fully trained HVAC & R journeyman or equivalent, certified in refrigerant handling and recovery techniques and knowledgeable with regard to electrical lock out/tag out procedures. The individual performing this work should be aware of and comply with all Johnson Controls, national, state, and local safety and environmental regulations while carrying out this work. Before attempting to work on any equipment, the individual should be thoroughly familiar with the equipment by reading and understanding the associated service literature applicable to the equipment. If you do not have this literature, you may obtain it by contacting a Johnson Controls Service Office.

Should there be any question concerning any aspect of the tasks outlined in this bulletin, please consult a Johnson Controls Service Office prior to attempting the work. Please be aware that this information may be time sensitive and that Johnson Controls reserves the right to revise this information at any time. Be certain you are working with the latest information.

Product Technical Support

TABLE 2 - CORRECT PART NUMBERS FOR ORDERING

ITEM	DESCRIPTION	PART NUMBER
1	GUARD, WIRE, 900MM DIA.	026-35605-000
2	FAN, IMPELLER, 900MM (35.20")	026-41594-000
3	SUPPORT, COND MOTOR, WIRE FRAME	026-36366-000
4	MOTOR SUPPORT RING	026-36367-000
5	SPACER, FAN, MOTOR	075-40484-000
6	SPACER, FAN, MOTOR	075-29007-000
7	SCREW, HC, M8 1.25LG-6G	021-18494-000
8	ORIFICE, CONDENSER, 36.0	026-36384-000
9	FAN MOTOR, 200V (17)	024-27322-103
	FAN MOTOR, 230V (28)	024-27322-106
	FAN MOTOR, 460V (46)	024-27322-107
	FAN MOTOR, 575 (58)	024-27322-102

