

# Tech Tip



*From your friends at New York Bus Sales*

## Product Affected – All American “A3” Units

- Complaint -** The defroster fan only works on high, replacing the resistor works for a short time on all speeds and then fails again. Checking draw and the circuit does not show an issue.
- Cause -** Using the improper resistor – There are 2 resistors which are very similar in appearance and the only way to really tell them apart is that the improper one (Figure #1) has 2 diodes built into it and is used mainly for the rear “wall” mounted heater.
- Correction -** Use the proper resistor (Figure #2) which does NOT have the diodes -



**FIGURE #1**



FIGURE #2

*Specifics*

***CORRECT RESISTOR #01601681***

***IN-CORRECT RESISTOR #00035868***

**PLEASE NOTE – The resistor with the diodes may be used in an emergency but to help increase the longevity the diodes should be bent down toward the mounting plate and away from the coils ..... this should ONLY be a temporary repair!**



THANK YOU TO VIC AND THE  
GUYS AT CARTHAGE CS FOR  
POINTING THIS OUT!!!

*Contact Our Service Department With Any Questions*

**CHITTENANGO** – phone 800-962-5768 or  
Daryl Wallace : [dwallace@newyorkbussales.com](mailto:dwallace@newyorkbussales.com)  
Brian Lamaitis : [blamaitis@newyorkbussales.com](mailto:blamaitis@newyorkbussales.com)

**ROCHESTER** – phone 800-463-3232 or  
Gary Chichester: [gchichester@newyorkbussales.com](mailto:gchichester@newyorkbussales.com)

**ALBANY** – phone 866-867-1100 or  
Ben Reiling: [breiling@newyorkbussales.com](mailto:breiling@newyorkbussales.com)  
Steve Searles: [ssearles@newyorkbussales.com](mailto:ssearles@newyorkbussales.com)

**WARRANTY** – 800-962-5768 ext 237  
Morgan Jenkins: [mjenkins@newyorkbussales.com](mailto:mjenkins@newyorkbussales.com)