

# Tech Tip



*From your friends at New York Bus Sales*

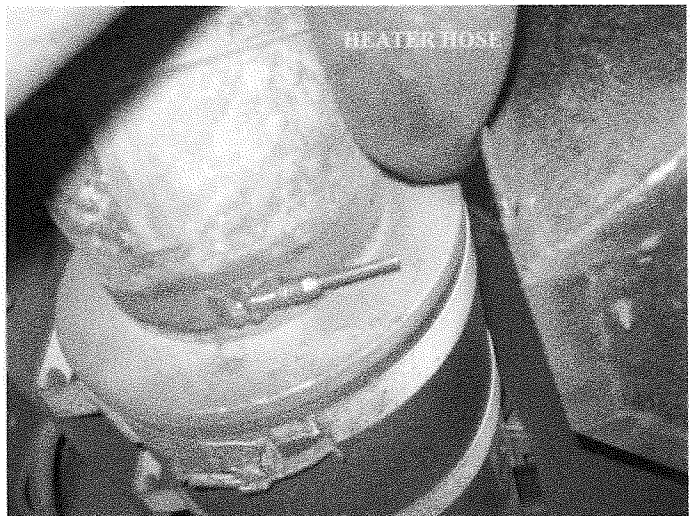
## Product Affected-All American D3

- Complaint -** The Unit broke down with a coolant leak under the step well
- Cause** The hose running from the rear of the engine block to the right front heater was cut by being “pinched” between the air cleaner housing and step well.
- Correction** Tie the hose up and out of the way or if necessary shorten it so it does not “hang” where it will become pinched and cut.

Look beneath the unit at the step well (Figure #1) Going behind the step well, see if the hose has been routed and hangs or is caught between the air cleaner and housing (Figure#2)

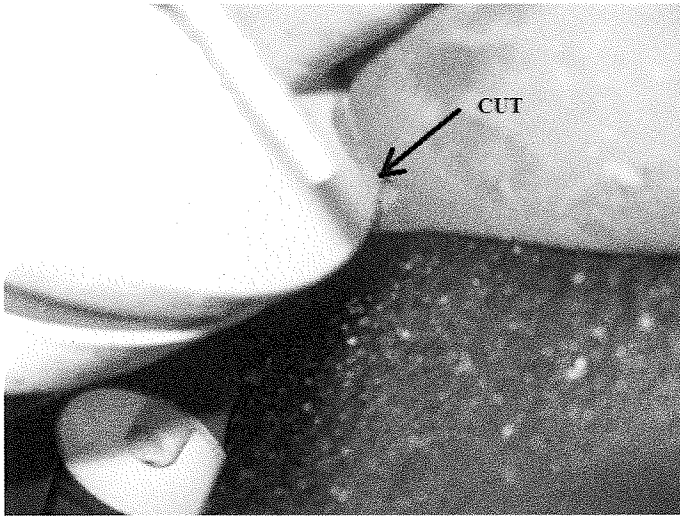


**Figure #1**

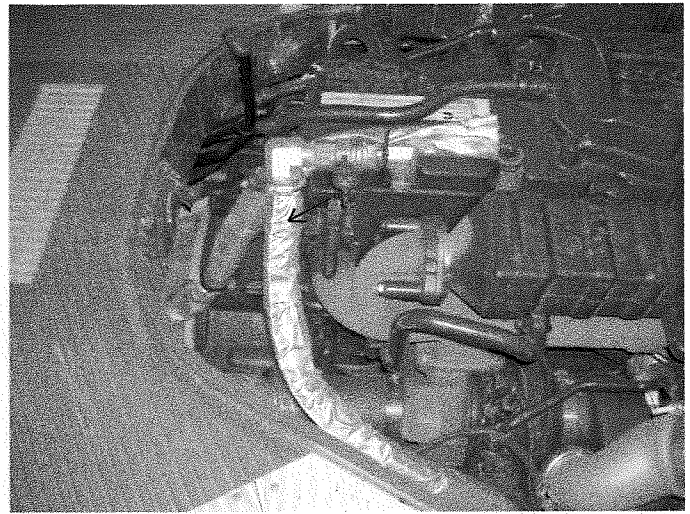


**Figure #2**

**Make sure that the hose has not been cut or damaged (Figure #3)...if so it should be replaced!**



**Figure #3**



**Figure #4**

**The hose runs to the rear of the engine (Figure #4)**



**Figure #5**



**Figure #6**

**If you cannot secure the hose and away from being pinched without kinking it, you can remove it from the rear of the engine and shorten it. This can be done without losing much coolant by closing the shutoff valve at the fitting on the engine and the clamping the hose off (Figure #5).**

**We have seen where if up to 12" of hose was removed it could easily be routed not to be pinched and there were no kinks.**

**PLEASE NOTE: IF YOU ARE REMOVING A SECTION OF HOSE YOU SHOULD PUSH THE HEAT PROTECTION DOWN AND CUT JUST THE HOSE LEAVING ALL THE ORIGINAL HEAT PROTECTION IN TACT (YOU CAN SEE IN FIGURE #6 THAT WE TOOK 2 CUTS AS WE SLID THE HEAT PROTECTION COVERING DOWN BEFORE CUTTING)**



*Contact Our Service Department With Any Questions*

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