

DEFROST TROUBLESHOOTING GUIDE FOR EVANS TEMPCON DUAL ZONE DUAL BLOWER HVAC SYSTEMS

PROBLEM	POSSIBLE CAUSES	REMEDY
<p>1. Little or no air flow from defrost vents while in DEFROST mode.</p>	<ul style="list-style-type: none"> • Air leaks between system components. • Air distribution box not operating properly. 	<ul style="list-style-type: none"> • Examine air distribution box attached to the firewall beneath the dashboard. Ensure that it is tightly anchored to the firewall and that no air leaks can be felt while operating the blower at HIGH speed. Examine the defrost plate, duct hoses and defrost plenums where applicable in the same fashion. Repair / replace and required. • Refer to Vacuum Trouble shooting Guide for diagnosis and recommended repair.
<p>2. Driver blower control does not control passenger side discharged air speed in DEFROST mode.</p>	<ul style="list-style-type: none"> • Defective mode selector switch; all other system checks normal. • Open circuit (018 Purple) between vacuum relays and fuse panel relay H 	<ul style="list-style-type: none"> • Disconnect vacuum lines from vacuum relays while in DEFROST mode. If vacuum is present on either line, replace mode selector switch. • Check circuit continuity (see schematic) and terminals in vacuum switches and relays D, E, and H.
<p>3. Driver Temperature dial does not control passenger side discharged air temperature in DEFROST mode.</p>	<ul style="list-style-type: none"> • Defective mode selector switch. • Loose connector or terminal on vacuum relays. 	<ul style="list-style-type: none"> • Disconnect vacuum lines from vacuum relays. If vacuum is present on either line in DEFROST mode, replace mode switch. • Check connections on relays. Ensure terminals are seated and locked into terminal cavities.