

TROUBLE-SHOOTING GUIDE

MAVERICK T.E.C. II ZONE CONTROL

SYMPTOM #1

ONE ZONE SEEMS TO BE WORKING JUST FINE, BUT THE OTHER ZONE NEVER GETS VERY MUCH AIR.

PROBLEM - DAMPER IS STUCK.

SOLUTION - THE DAMPER MAY BE IMPROPERLY INSTALLED. CHECK TO SEE THAT THE END MARKED "THIS END UP" IS UP.

SOLUTION - LUBRICATION MAY FREE THE STUCK DAMPER. TO LUBRICATE A DAMPER USE A DRY LUBRICANT LIKE GRAPHITE OR MOLYBDENUM.

SOLUTION - REPLACE THE DAMPER

PROBLEM - SOLENOID RESISTANCE IS GREATER THAN 19 OHMS.

SOLUTION - THE WIRING BETWEEN THE CONTROL PANEL AND THE SOLENOID MAY BE BROKEN. REPAIR THE WIRING.

SOLUTION - THE SOLENOID MAY BE BURNED. REPLACE THE SOLENOID.

PROBLEM - SOLENOID RESISTANCE IS LESS THAN 15 OHMS.

SOLUTION - THE WIRING BETWEEN THE CONTROL PANEL AND THE SOLENOID MAY BE SHORTED. REPAIR THE WIRING.

SOLUTION - THE SOLENOID MAY BE SHORTED. REPLACE THE SOLENOID.

NOTE: IF THE SOLENOID HAS BEEN DAMAGED, THE CONTROL BOARD MAY ALSO BE DAMAGED. AFTER CORRECTING THE SOLENOID/WIRING PROBLEM, CHECK THE D.C. VOLTAGE OUTPUT OF THE CONTROL BOARD TO VERIFY PROPER OPERATION.

SYMPTOM #2

WHEN STAT 1 "CALLS" BOTH ZONES GET AIR.

PROBLEM - DAMPER D2 IS STUCK OPEN.

SOLUTION - THE DAMPER MAY BE IMPROPERLY INSTALLED. CHECK TO SEE THAT THE END MARKED "THIS END UP" IS UP.

SOLUTION- LUBRICATION MAY FREE THE STUCK DAMPER. TO LUBRICATE THE STUCK DAMPER, USE A DRY LUBRICANT LIKE GRAPHITE OR MOLYBDENUM.

PROBLEM - THERE IS NO D.C. VOLTAGE OUTPUT FROM THE TERMINALS C-COM (+) AND D2 (-) ON THE CONTROL BOARD.

SOLUTION - THE THERMOSTAT IN ZONE 2 HAS THE FAN SWITCH IN THE "ON" POSITION. IF STAT 2 IS "CALLING" FOR AIR AND THE PRIORITY JUMPER IS NOT USED, THE DAMPER FOR ZONE 2 SHOULD NOT CLOSE.

SOLUTION - THE CONTROL BOARD IS BAD. REPLACE THE CONTROL BOARD.

SYMPTOM #3

DURING HEATING OPERATION, THE DOWNSTAIRS ZONE IS COMFORTABLE, BUT THE UPSTAIRS ZONE GETS TOO HOT.

PROBLEM - DURING THE COOL-DOWN CYCLE, AFTER THE DOWNSTAIRS THERMOSTAT HAS BEEN "SATISFIED", THE UPSTAIRS DAMPER OPENS ALLOWING HOT AIR TO BE DELIVERED UPSTAIRS.

SOLUTION - MAVERICK TWO-STORY TIMER IS REQUIRED. THIS TIMER WILL HOLD THE DAMPER CLOSED DURING THE COOL DOWN CYCLE.

TECHNICAL ASSISTANCE IS AVAILABLE ON ANY MAVERICK PRODUCT BY CALLING YOUR DISTRIBUTOR OR:

MAVERICK TECHNICAL SYSTEMS, INC.
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