GROUP D — ASPIRATOR SYSTEM DIAGNOSIS

SEE "COMPONENT REMOVAL AND TESTING" ASPIRATOR SECTION IS ASPIRATION SUFFICIENT TO PASS "PAPER" TEST?

→ NO

→ YES, ASPIRATION OK

ARE HOSES CONNECTED TO ASPIRATOR LOOSE OR DISCONNECTED? → YES → REPAIR

NO ↓

SUCTION TO IN-CAR SENSOR

AIR DRIVE TO HEATER-A/C UNIT

ARE AIR DRIVE AND SUCTION HOSES INTERCHANGED ON ASPIRATOR? → YES → REPAIR

NO ↓

IS AIR DISCHARGED FROM ASPIRATOR? → NO → IS AIR DISCHARGE NIPPLE OF HEATER-A/C UNIT PLUGGED? → YES → REMOVE OBSTRUC-TION

YES ↓

NO ↓

CHECK FOR KINK IN AIR DRIVE HOSE OR OBSTRUCTION IN HOSE OR ASPIRATOR.

DISCONNECT IN-CAR SENSOR HOSE FROM ASPIRATOR. CHECK FOR OBSTRUCTION BY BLOWING INTO HOSE. DOES IN-CAR SENSOR HOSE RESTRICT AIR FLOW? → YES → IS IN-CAR SENSOR HOSE KINKED OR CRUSHED? → YES → REPAIR

NO ↓

NO ↓

IS IN-CAR SENSOR ASSEMBLY PROPERLY PLUGGED INTO INSTRUMENT PANEL? → NO → REPAIR

UNPLUG IN-CAR SENSOR ASSEMBLY FROM INSTRUMENT PANEL. DOES THE IN-CAR SENSOR HOSE STILL RESTRICT AIR FLOW? → YES → OBSTRUCTION IN SENSOR HOSE. REPAIR OR REPLACE.

NO ↓

OBSTRUCTION IN INSTRUMENT PANEL AIR INLET CHAMBER OR GRILLE.

ARE THERE ANY HOLES IN THE AIR DRIVE OR IN-CAR SENSOR HOSES? → YES → REPLACE

NO ↓

ARE THERE ANY HOLES (EXCEPT FOR SENSOR ASSEMBLY AND INLET GRILLE) IN INSTRUMENT PANEL AIR INLET CHAMBER? → YES → REPAIR

→ NO → REPLACE ASPIRATOR

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