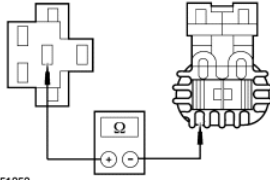
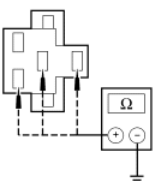
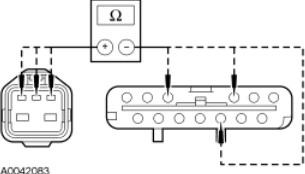
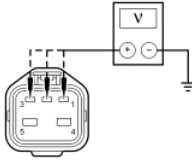
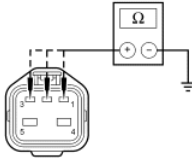
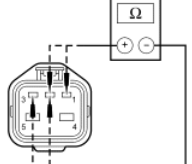
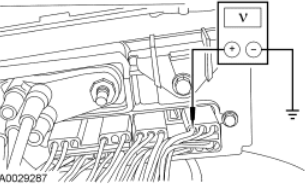
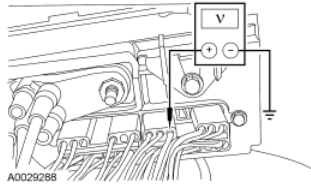
 <p style="text-align: center;">AM0471-B</p> <ul style="list-style-type: none"> • Measure the resistance between the blower motor resistor C1308, circuit 57 (BK) and ground. • Is the resistance less than 5 ohms? 	<p>No REPAIR circuit 57 (BK). TEST the system for normal operation.</p>
O6 CHECK THE BLOWER MOTOR RESISTOR CIRCUIT 261 (OG/BK)	
<ul style="list-style-type: none"> • Disconnect: Blower Motor C1227. • Measure the resistance between the blower motor resistor C1308, circuit 261 (OG/BK) and blower motor C1227, circuit 261 (OG/BK).  <p style="text-align: center;">A0051252</p> <ul style="list-style-type: none"> • Is the resistance less than 5 ohms? 	<p>Yes GO to O7.</p> <p>No REPAIR circuit 261 (OG/BK). TEST the system for normal operation.</p>
O7 CHECK THE BLOWER MOTOR RESISTOR	
<ul style="list-style-type: none"> • Carry out the blower motor resistor component test in this section. • Does the blower motor resistor test good? 	<p>Yes INSTALL a new blower motor switch. REFER to Section 412-04. TEST the system for normal operation.</p> <p>No INSTALL a new blower motor resistor. REFER to Section 412-04. TEST the system for normal operation.</p>
O8 CHECK CIRCUITS 261 (OG/BK), 752 (YE/RD) AND 754 (LG/WH) FOR A SHORT TO GROUND	
<ul style="list-style-type: none"> • Ignition OFF. • Disconnect: Blower Motor C1227. • Disconnect: Blower Motor Switch C294b. • Disconnect: Blower Motor Resistor C1308. • Measure the resistance between ground and the blower motor resistor C1308: <ul style="list-style-type: none"> ■ circuit 261 (OG/BK) ■ circuit 752 (YE/RD) ■ circuit 754 (LG/WH)  <p style="text-align: center;">A0051253</p> <ul style="list-style-type: none"> • Are the resistances less than 5 ohms? 	<p>Yes INSTALL a new blower motor switch. REFER to Section 412-04. TEST the system for normal operation.</p> <p>No REPAIR the affected circuit. TEST the system for normal operation.</p>

PINPOINT TEST P: THE BLOWER MOTOR DOES NOT OPERATE CORRECTLY — EATC

Test Step	Result / Action to Take
<p>P1 CHECK CIRCUIT 515 (OG/RD) FOR A SHORT TO GROUND</p> <ul style="list-style-type: none"> • Ignition OFF. • Disconnect: Blower Motor Speed Control C1308. • Ignition ON. • Press the PANEL button on the EATC module. • Does the blower motor operate? 	<p>Yes REPAIR circuit 515 (OG/RD) for a short to ground. TEST the system for normal operation.</p> <p>No GO to P2.</p>
<p>P2 CHECK THE BLOWER MOTOR SPEED CONTROL</p> <ul style="list-style-type: none"> • Ignition OFF. • Connect: Blower Motor Speed Control C1308. • Disconnect: EATC Module C228b. • Ignition ON. • Does the blower motor operate? 	<p>Yes INSTALL a new blower motor speed control. TEST the system for normal operation.</p> <p>No GO to P3.</p>
<p>P3 CHECK THE BLOWER MOTOR SPEED CONTROL CIRCUITS FOR AN OPEN</p> <ul style="list-style-type: none"> • Ignition OFF. • Disconnect: Blower Motor Speed Control C1308. • Measure the resistance between the blower motor speed control C1308: <ul style="list-style-type: none"> ■ pin 1, circuit 269 (LB/OG) and the EATC module C228b-10. ■ pin 2, circuit 752 (YE/RD) and the EATC module C228b-23. ■ pin 3, circuit 754 (LG/WH) and the EATC module C228b-24. 	<p>Yes GO to P4.</p> <p>No REPAIR the affected circuit. TEST the system for normal operation.</p>

 <p>A0042083</p> <ul style="list-style-type: none"> • Are the resistances less than 5 ohms? 	
<p>P4 CHECK THE BLOWER MOTOR SPEED CONTROL CIRCUITS FOR A SHORT TO VOLTAGE</p>	
<ul style="list-style-type: none"> • Ignition ON. • Measure the voltage between the blower motor speed control C1308: <ul style="list-style-type: none"> ■ pin 1, circuit 269 (LB/OG) and ground. ■ pin 2, circuit 752 (YE/RD) and ground. ■ pin 3, circuit 754 (LG/WH) and ground.  <p>A0033862</p> <ul style="list-style-type: none"> • Is voltage present? 	<p>Yes REPAIR the affected circuit. TEST the system for normal operation.</p> <p>No GO to P5.</p>
<p>P5 CHECK THE BLOWER MOTOR SPEED CONTROL CIRCUITS FOR A SHORT TO GROUND</p>	
<ul style="list-style-type: none"> • Ignition OFF. • Measure the resistance between the blower motor speed control C1308: <ul style="list-style-type: none"> ■ pin 1, circuit 269 (LB/OG) and ground. ■ pin 2, circuit 752 (YE/RD) and ground. ■ pin 3, circuit 754 (LG/WH) and ground.  <p>A0033863</p> <ul style="list-style-type: none"> • Are the resistances greater than 10,000 ohms? 	<p>Yes GO to P6.</p> <p>No REPAIR the affected circuit. TEST the system for normal operation.</p>
<p>P6 CHECK THE BLOWER MOTOR SPEED CONTROL CIRCUITS FOR SHORTS</p>	
<ul style="list-style-type: none"> • Measure the resistance between the blower motor speed control C1308: <ul style="list-style-type: none"> ■ pin 2, circuit 752 (YE/RD) and C1308-3, circuit 754 (LG/WH). ■ pin 2, circuit 752 (YE/RD) and C1308-1, circuit 269 (LB/OG). ■ pin 3, circuit 754 (LG/WH) and C1308-1, circuit 269 (LB/OG).  <p>A0033864</p> <ul style="list-style-type: none"> • Are the resistances greater than 10,000 ohms? 	<p>Yes GO to P7.</p> <p>No REPAIR the affected circuits. TEST the system for normal operation.</p>
<p>P7 CHECK THE EATC MODULE HIGH BLOWER OUTPUT</p>	
<ul style="list-style-type: none"> • Connect: EATC C228b. • Connect: Blower Motor Speed Control C1308. • Ignition ON. • Adjust the blower motor speed to HI. • Measure the voltage between the EATC module C228b-24, circuit 754 (LG/WH) and ground by back-probing the EATC module C228b.  <p>A0029287</p> <ul style="list-style-type: none"> • Is the voltage within 2 volts of battery voltage? 	<p>Yes GO to P8.</p> <p>No INSTALL a new EATC module. TEST the system for normal operation.</p>
<p>P8 CHECK THE EATC MODULE BLOWER CONTROL OUTPUT</p>	
<ul style="list-style-type: none"> • Adjust the blower motor speed to LO. • Measure the voltage between the EATC module C228b-23, circuit 752 (YE/RD) and ground by back- 	<p>Yes INSTALL a new blower motor speed control. TEST the system</p>

probing the EATC module C228b.

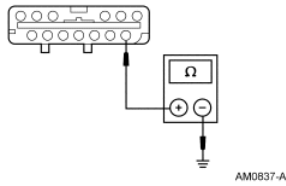
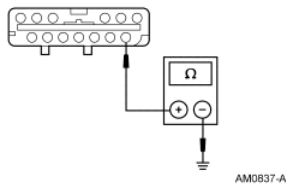
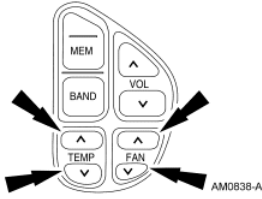
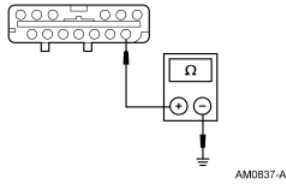


- Is the voltage greater than 1 volt?

for normal operation.

No
INSTALL a new EATC module. TEST the system for normal operation.

PINPOINT TEST Q: THE STEERING WHEEL CONTROL SWITCH IS INOPERATIVE/DOES NOT OPERATE CORRECTLY

Test Step	Result / Action to Take										
<p>Q1 CHECK THE INPUT TO THE ELECTRONIC AUTOMATIC TEMPERATURE CONTROL (EATC)</p> <ul style="list-style-type: none"> • Ignition OFF. • Disconnect: EATC Module C228b. • Measure the resistance between the EATC module C228b-8, circuit 1070 (BN/LB) and ground.  <p>AM0837-A</p> <ul style="list-style-type: none"> • Is the resistance reading between 4,500 and 5,000 ohms? 	<p>Yes GO to Q2.</p> <p>No If the resistance is less than 4,500 ohms, GO to Q3. If the resistance is greater than 5,000 ohms, GO to Q5.</p>										
<p>Q2 CHECK THE STEERING WHEEL CONTROL SWITCH OUTPUT</p> <ul style="list-style-type: none"> • Measure the resistance between the EATC module C228b-8, circuit 1070 (BN/LB) and ground.  <p>AM0837-A</p> <ul style="list-style-type: none"> • Press each steering wheel control switch and compare the resistance reading to the chart below. <table border="1" data-bbox="215 1150 475 1287"> <thead> <tr> <th>Switch</th> <th>Resistance (ohms)</th> </tr> </thead> <tbody> <tr> <td>TEMP UP</td> <td>336-375</td> </tr> <tr> <td>TEMP DOWN</td> <td>1620-1810</td> </tr> <tr> <td>FAN UP</td> <td>736-821</td> </tr> <tr> <td>FAN DOWN</td> <td>123-138</td> </tr> </tbody> </table>  <p>AM0838-A</p> <ul style="list-style-type: none"> • Are the resistance readings within the range? 	Switch	Resistance (ohms)	TEMP UP	336-375	TEMP DOWN	1620-1810	FAN UP	736-821	FAN DOWN	123-138	<p>Yes INSTALL a new EATC module. TEST the system for normal operation.</p> <p>No INSTALL a new steering wheel control switch. TEST the system for normal operation.</p>
Switch	Resistance (ohms)										
TEMP UP	336-375										
TEMP DOWN	1620-1810										
FAN UP	736-821										
FAN DOWN	123-138										
<p>Q3 CHECK CIRCUIT 1070 (BN/LB) FOR A SHORT TO GROUND</p> <ul style="list-style-type: none"> • Disconnect: Steering Wheel Control Switch. • Measure the resistance between the EATC module C228b-8, circuit 1070 (BN/LB) and ground.  <p>AM0837-A</p> <ul style="list-style-type: none"> • Is the resistance reading less than 10,000 ohms? 	<p>Yes REPAIR circuit 1070 (BN/LB) for a short to ground. TEST the system for normal operation.</p> <p>No GO to Q4.</p>										
<p>Q4 CHECK CIRCUIT 1070 (BN/LB) FOR A SHORT TO CIRCUIT 848 (DG/OG)</p> <ul style="list-style-type: none"> • Disconnect: Steering Wheel Control Switch. • Measure the resistance between the EATC module C228b-8, circuit 1070 (BN/LB) and the speed control module C122-6, circuit 848 (DG/OG). 	<p>Yes INSTALL a new steering wheel control switch. TEST the system for normal operation.</p>										