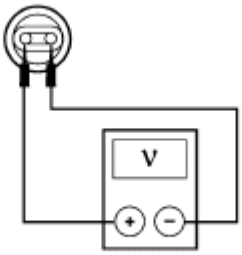
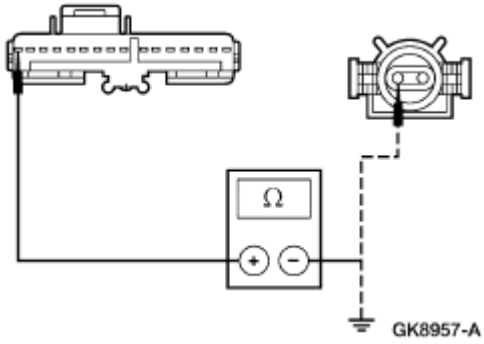
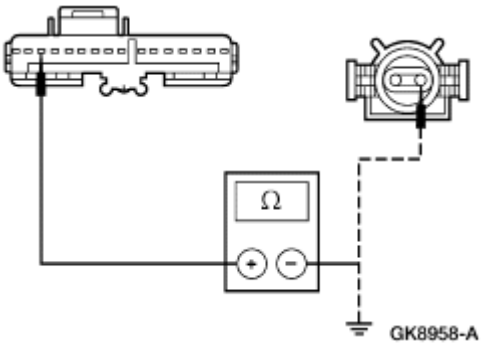
PINPOINT TEST G: THE SPEEDOMETER/ODOMETER IS INOPERATIVE

CONDITIONS	DETAILS/RESULTS/ACTIONS
G1 CHECK VSS SPEED SIGNAL BETWEEN CIRCUITS 679 (GY/BK) AND CIRCUIT 676 (PK/OG)	
1 VSS C1020 2 4  GK8956-A	3 Raise the drive wheels off the ground. 4 Set the voltmeter to AC voltage. Connect the voltmeter between VSS C1020 Pin 1, Circuit 679 (GY/BK), component side and VSS C1020 Pin 2, Circuit 676 (PK/OG), component side. • **Is the voltage between 1.3 volts AC and 6.1 volts AC?** → **Yes** GO to G2 . → **No** CHECK and INSPECT the speedometer drive gear. INSTALL a new VSS if the speedometer drive gear is OK. TEST the system for normal operation.
G2 CHECK CIRCUIT 679 (GY/BK) AND CIRCUIT 676 (PK/OG) BETWEEN THE INSTRUMENT CLUSTER AND THE VSS	
1 2 Instrument Cluster C251 3	3 Measure the resistance between instrument cluster C251 Pin 16, Circuit 679 (GY/BK), harness side and VSS C1020 Pin 1, Circuit 679 (GY/BK), harness side; and between instrument cluster C251 Pin 16, Circuit 679 (GY/BK), harness side and ground.



4



4 Measure the resistance between instrument cluster C251 Pin 14, Circuit 676 (PK/OG), harness side and VSS C1020 Pin 2, Circuit 676 (PK/OG), harness side; and between instrument cluster C251 Pin 14, Circuit 676 (PK/OG), harness side and ground.

- **Is the resistance less than 5 ohms between the instrument cluster and the VSS, and greater than 10,000 ohms between the instrument cluster and ground?**

→ **Yes**
GO to G3 .

→ **No**
REPAIR the circuit in question. TEST the system for normal operation.

G3 CHECK THE INSTRUMENT CLUSTER PRINTED CIRCUIT

1

2

Instrument Cluster

3 Inspect the instrument cluster printed circuit for damage.

- **Is the instrument cluster printed circuit damaged?**

→ **Yes**
INSTALL a new instrument cluster printed circuit. For additional information, REFER to Instrument Cluster . TEST the system for normal operation.

→ **No**
INSTALL a new speedometer. For additional

	information, REFER to Instrument Cluster . TEST the system for normal operation.