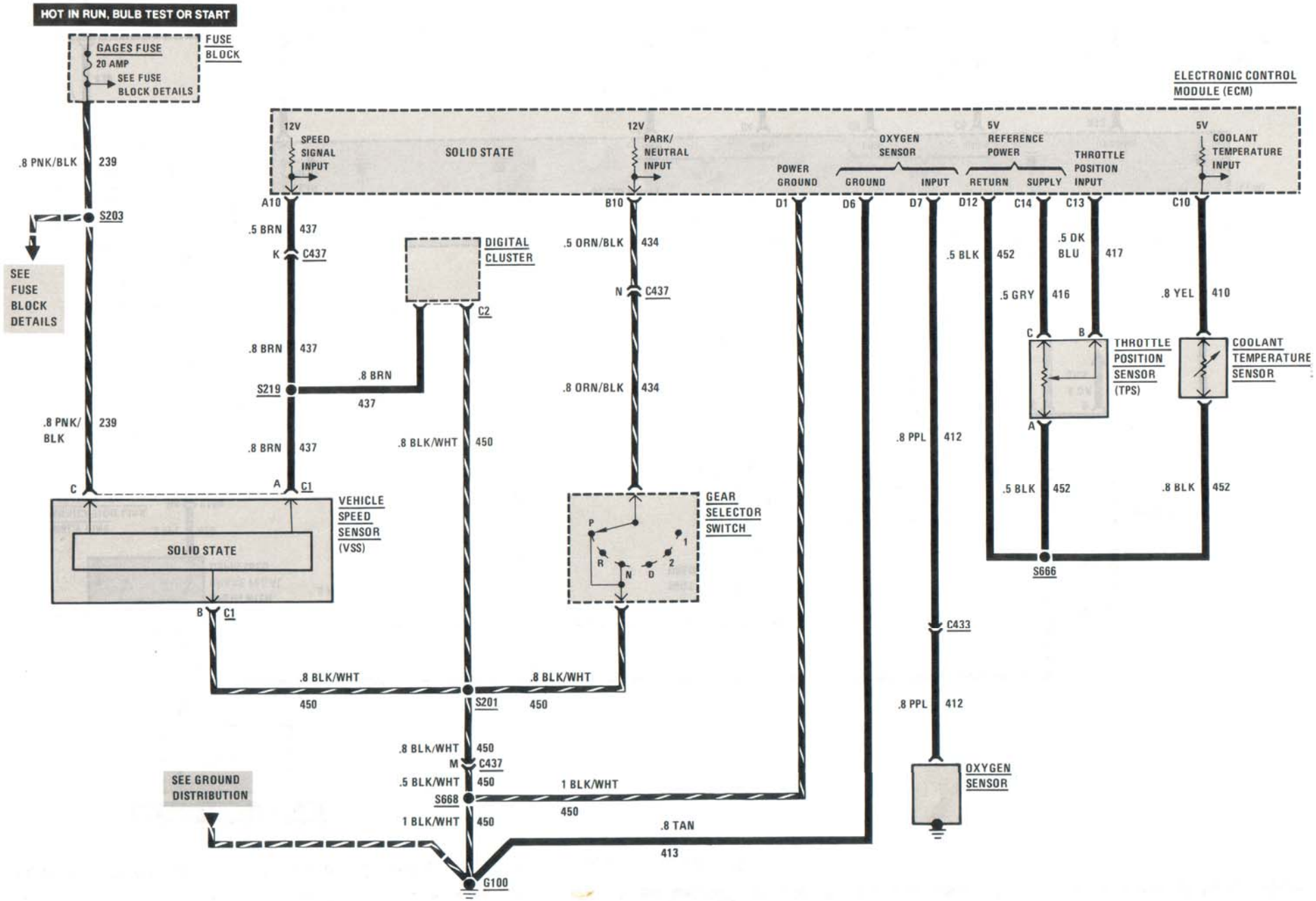DATA SENSORS