

## INSTRUCTIONS

**CAUTION: DO NOT LET THE TESTER TOUCH ANY HOT ENGINE SURFACES (MANIFOLDS, ENGINE BLOCK, ETC.). KEEP TESTER AND YOUR BODY AWAY FROM MOVING ENGINE PARTS. DAMAGE, FIRE AND/OR INJURY MAY RESULT. TO DISCONNECT FROM THE SPARK PLUG, PULL ON THE RUBBER BOOT, NOT THE WIRE OR THE PLASTIC HOUSING.**

### I. INSTALLATION

1. Turn engine off.
2. Remove wire from spark plug.
3. Push female connector of In-Line Spark Checker onto spark plug.
4. Push the long male end of In-Line Spark Checker into spark plug wire.
5. Start engine.
6. Repeat above steps for all of the spark plugs.

### II. TESTING

1. **CONDITION** – Engine does not start; bulb of In-Line Spark Checker is **FLASHING**.  
**INTERPRETATION** – The fuel system is most likely at fault.
2. **CONDITION** – Engine does not start; bulb of In-Line Spark Checker **DOES NOT FLASH**.  
**INTERPRETATION** – Ignition system component(s) faulty.
3. **CONDITION** – Engine starts; bulb is flashing but not at a constant rate.  
**INTERPRETATION** – Dirty or fouled spark plugs; weak ignition system component(s).
4. **CONDITION** – Flashes are weak and are not constant as RPM of engine is increased.  
**INTERPRETATION** – Weak ignition system component(s).

#### **FOR IGNITION SYSTEM PROBLEMS, CHECK THE FOLLOWING:**

- |   |   |
|---|---|
| A. Faulty distributor cap                           | F. Faulty pick-up coil                          |
| B. Faulty distributor rotor                         | G. Faulty ignition coil or coil pack            |
| C. Faulty spark plug wire(s)                        | H. Faulty condenser                             |
| D. Fouled, broken or incorrectly gapped, spark plug | I. Faulty or incorrectly set distributor points |
| E. Faulty ignition module;<br>D.I.S. Module         |   |

**FOR MORE TROUBLE SHOOTING INFORMATION, REFER TO THE VEHICLE SERVICE MANUAL.**

### III. BULB REPLACEMENT

**USE S&G PART NO. 23904 OR GE PART NO. NE51H(B2A) UNSCREW KNURLED RETAINER FROM END OF CLEAR PLASTIC BODY. REMOVE BULB FROM CONTACT SPRING. REPLACE WITH NEW BULB BY SLIDING CONTACT SPRING OVER GLASS OF BULB WITH A GENTLE CLOCKWISE TWISTING MOTION. INSTALL NEW BULB AND SPRING INTO CLEAR PLASTIC BODY SO THAT BOTTOM OF BULB FACES KNURLED RETAINER. SCREW KNURLED RETAINER BACK INTO CLEAR PLASTIC BODY.**