



## **INSTRUCTIONS FOR MULTI-PORT FUEL INJECTION PRESSURE TESTING**

### **ALWAYS**

CHECK A RELIABLE SHOP MANUAL OR THE AUTO MANUFACTURER FOR PROPER TEST PROCEDURE, ACCESS POINTS, AND PRESSURE SPECS.

WEAR SAFETY GOGGLES WHEN WORKING ON FUEL SYSTEMS.

KEEP CLOTHING AND TOOLS AWAY FROM MOVING OR HOT ENGINE PARTS

CLEAN FUEL SYSTEM CONNECTIONS BEFORE LOOSENING. IF DIRT GETS INTO SYSTEM, DAMAGE COULD RESULT. WATCH FOR LEAKS.

WRAP A CLOTH AROUND FITTINGS WHEN CONNECTING OR DISCONNECTING.

PROVIDE FOR PROPER VENTILATION FOR GAS AND EXHAUST FULES.

USE HOSE CLAMPS WHEN USING HOSE ADAPTER.

MAKE SURE BATTERY IS FULLY CHARGED AND FUEL SUPPLY IS ADEQUATE.

USE TWO WRENCHES TO LOOSEN FUEL LINES TO PREVENT DAMAGE OR TWISTING OF FUEL LINES

CHECK GENERAL CONDITION OF ENGINE AND FUEL SYSTEM. THIS INCLUDES BROKEN OR LOOSE FUEL LINES, VACUUM LINES, IGNITION WIRES, BATTERY CABLES, ELECTRICAL WIRES, AND FUSES. ALSO CHECK TANK FILLER GAP & VENTING SYSTEM. DRAIN TESTER OF ANY EXCESS FUEL AFTER TESTS. PUT HOSE AND ADAPTER ENDS INTO A PROPER CONTAINER AND DRAIN ANY REMAING FUEL.

### **NEVER**

SMOKE, OR WORK NEAR SPARKS OR OPEN FLAME WHEN WORKING ON FUEL SYSTEMS.

ALLOW FUEL TO SPILL ON HOT ENGINE PARTS. IF A LEAK OR SPILL DEVELOPS,

TURN OFF IGNITION, DISABLE FUEL PUMP, AND CLEAN UP SPILL IMMEDIATELY.

### **GENERAL INFORMATION**

UNLESS A SCHRADER-TYPE TEST PORT IS AVAILABLE, MOST MANUFACTURERS REQUIRE THAT YOU RELIEVE THE FUEL PRESSURE BEFORE ENTERING THE SYSTEM. TO RELIEVE THE PRESSURE, IT MAY BE NECESSARY TO REMOVE THE FUEL PUMP CONNECTOR, RELAY, OR FUSE. SOME MODELS HAVE TWO FUEL PUMPS - MAKE SURE BOTH ARE DISABLED. RUN ENGINE UNTIL IT STALLS, THEN TRY TO RESTART FOR FIVE TO TEN SECONDS. THE SYSTEM IS NOW READY TO OPEN FOR TESTING. ONCE PROPER ADAPTERS AND GAUGE ASSEMBLY ARE IN PLACE, REACTIVATE FUEL PUMP.

### **CONTENTS OF KIT**

GAUGE AND BLOWDOWN HOSE ASSEMBLY

ADAPTER HOSE FOR SCHRADER TEST PORTS WITH 7/16-20 THREADS

ADAPTER HOSE FOR SCHRADER TEST PORTS WITH 308-32 THREADS

SINGLE END HOSE CONNECTOR 1/4", 5/16" AND 3/8"

DOUBLE END HOSE CONNECTOR 5/16" AND 3/8"

6MM FUEL BOLT ADAPTER

1. THE FOLLOWING INSTRUCTIONS ARE GENERAL, REFER TO SHOP MANUALS FOR SPECIFIC ACCESS POINTS AND PROCEDURES.
2. ENGINE IS OFF.
3. USING SHOP CLOTH AROUND FITTINGS, ENTER FUEL LINE AT POINT TO BE TESTED. INSTALL CORRECT ADAPTER INTO FUEL LINE AND CONNECT TO QUICK COUPLER ON HOSE, MAKING SURE SLEEVE IS IN LOCKING POSITION.
4. START ENGINE AND ALLOW TO IDLE, READ FUEL PRESSURE ON GAUGE AND COMPARE TO MANUFACTURES SPEC.
5. TURN OFF ENGINE.
6. PUT END OF CLEAR TUBING IN PROPER CONTAINER AND PUSH RELIEF BUTTON ON VALVE TO DEPRESSURIZE SYSTEM.
7. REMOVE TESTER AND ADAPTERS FROM FUEL LINE.
8. RESTORE FUEL LINE TO ORGINAL CONDITION, RESTART ENGINE AND COMPLETELY CHECK FOR LEAKS.