

# TEST, FLUSH, FILL FOR FASTER COOLANT SYSTEM REPAIRS

LIFETIME WARRANTY TESTERS FOR YEARS OF RELIABLE  
SERVICE AND CONFIDENT DIAGNOSIS



## 6043 Cooling system power flush gun

- Unique vortex flush cleans out radiator or heater hoses
- Standard 1/4" NPT female thread for shop air connection (coupler/plug not included) and 3/4" diameter garden hose female connector
- Doubles as high-pressure nozzle for washing engines and shop floors



## 6976 Cooling system refilling gun

- Eliminates airlocks and system bleeding when refilling cooling systems, saving time and money
- Included small and large cones fit passenger and commercial vehicles for more applications
- Standard 1/4" NPT female thread for shop air connection for faster filling (coupler/plug not included)
- Creates a vacuum within the cooling system, pulling air from the system while pulling in new coolant



## 6977 Universal cooling system pressure tester

- Unique hose adapters fit most vehicles without needing cap adapters
- Quickly connect to degas bottle to test both system and cap
- Includes Stant radiator cap to pressure test older vehicles
- Quick-couplers on all adapters



## 7991 Cooling system pressure tester

- Test cooling system pressure on cars, light commercial trucks, motorcycles and marine engines
- Threaded adapters fit most vehicles without cap adapters
- Large gauge displays pressure in kPa and Bar

## Universal vacuum system testing

For vacuum leaks, exhaust leaks, door locks, EGR valves, HVAC controls, MAP sensors and more



### 6978 Testvac vacuum test kit

- Find vacuum leaks, test fuel, engine and exhaust valves, door locks, and heating/cooling system performance
- Includes vacuum pump, fluid container, transfer cap, hoses and fittings for multiple systems
- Doubles as a one-man brake bleeder



### 6975 Vacuum/pressure system tester

- Quickly diagnose EGR valves, fuel pressure regulators, thermal and electric vacuum switches, turbocharger waste gates, heating and ventilation control valves, central locking systems, MAP sensors and more
- Includes hose adapters, rubber adapters and plastic attachments for multiple systems
- Rear-mounted gauge provides optimal viewing with testing up to 30 PSI pressure and up to 28 in Hg vacuum
- Intuitive rotary dial for quick switching between pressure and vacuum and an ergonomic pistol grip with lever



### 5613 Vacuum/pressure gauge kit

- Helps locate cracked vacuum lines, identify bad rings and valves, or leaking head gaskets
- 3-1/2" gauge is easy to read, protected by chrome bezel and rubber boot
- Reads vacuum and pressure; 0-30 in. Hg and 0-70 cm Hg vacuum; 0-15 PSI and 0-100 kPa
- Included adapters fit most vacuum lines



# 5613 Vacuum / Pressure Gauge Kit

## VACUUM TESTING PROCEDURES

### Running Engine Tests

1. Connect the vacuum gauge to the manifold vacuum source.
2. Run the engine at normal operating temperature and idle speed. A steady reading between 15 and 22 inches indicates a mechanically sound engine.

### PCV Valve Test For Crankcase Ventilation

1. Operate the engine at normal temperature and idle speed.
2. Remove the hose connected between the air cleaner and valve cover or oil filler/breather cap. Plug the oil dipstick tube to prevent an air leak.
3. Hold the vacuum gauge with the rubber universal adapter firmly over the valve cover hole or filler/breather cap opening. A good PCV system will draw a vacuum of 3 to 5 inches within 10 seconds.

## FUEL PRESSURE TESTING PROCEDURE

**WARNING:** FOR USE ON FUEL SYSTEMS WITH A CARBURETOR, OR LOW-PRESSURE TBI SYSTEMS NOT EXCEEDING 15 PSI.

**CAUTION:** USE EXTREME CARE IN DISCONNECTING FUEL LINES. LEAKING GASOLINE IS A SERIOUS HAZARD.

1. Check all fittings, connections, and rubber fuel lines for leaks. If leaks are present, repair leaks before testing.
2. Disconnect the fuel line between the fuel pump and the carburetor or the TBI system. Attach the gauge hose to the fuel line using adapters as needed.
3. Operate the engine at idle speed and note reading. On a good fuel pump, the pressure will range from 4 to 6 psi, with lower readings on smaller engines.

## Repair Parts List

<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>	<u>Description</u>
0031-0464	Vacuum/Pressure Gauge	0180-1497	Conical Adapter
0400-3107	Gauge Boot	0400-3115	Fuel Line/Universal Adapter
0400-0384	Vacuum Hose, 24"	0400-3116	Carry Case
0400-3113	'T' Fitting	0001-3906	Instruction Label
0400-3114	In-line Connector		

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