

Part # 2012

## Master Compression Tester Kit

- Test compression from lawn mowers to trucks
- Includes 8" (20cm) flex hose with 14 & 18mm threaded end, 10, 12 & 14mm long adapters, straight extension, offset and straight adapters with tapered cones and gauge head with pressure release valve and threaded end
- Gauge head is 2-1/2" (64mm) diameter with dual calibration (0-300 PSI / 0-21kg/cm<sup>2</sup>)
- Individual adapters available
- 2012X10 - 10mm adapter
- 2012X12 - 12mm adapter



**CAUTION:** To prevent injury, always wear gloves and eye protection that meets ANSI Z87.1 and OSHA standards.  
**CAUTION:** To prevent equipment damage, clean and lubricate threaded screws and holes before and after use.

### INSTRUCTIONS:

1. Warm up the engine to normal operating temperature.
2. Remove all spark plugs using the proper size spark plug socket.
3. Select the appropriate adapter for the engine's spark plug hole size. Common sizes are 10mm, 12mm, 14mm.
4. Insert the adapter snugly into the spark plug hole. Ensure it makes a tight seal.
5. Attach the flex hose to the adapter. Make sure the connection is tight.
6. Attach the gauge head to the open end of the flex hose.
7. Crank the engine for several revolutions until the gauge reading stops rising. This is the compression value.
8. Record the reading and repeat steps 3-7 for each cylinder.
9. Compare readings across cylinders. Consistent readings around 100-150 psi are acceptable. Significant inconsistencies could indicate issues.
10. When finished testing all cylinders, release pressure in the gauge by pushing the valve button.
11. Remove adapters and reinstall spark plugs. Torque plugs to specification.
12. Refer to manufacturer service manual for interpretation of compression values.

