

Piston Ring Specification and Measurement

Meets NATEF Task: (A1-C-12) Inspect, measure and install piston rings. (P-2)

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

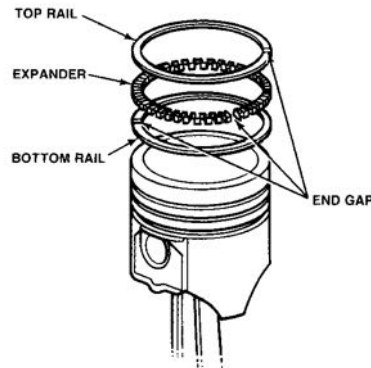
- _____ 1. Install each ring into the designated cylinder by inverting the piston and pushing each ring into the cylinder. Measure the piston ring gap (should be about 0.004 in. for each inch of bore).

	Specification	Actual	OK	NOT OK
Top ring	_____	_____	_____	_____
2nd compression ring	_____	_____	_____	_____
Oil control ring	_____	_____	_____	_____

- _____ 2. File the butt ends of the rings as necessary to achieve proper ring gap.

- _____ 3. Install the piston rings on the pistons.

- _____ 4. Measure the piston ring side clearance: (usually about 0.001-0.003 in.)



	Specification	Actual	OK	NOT OK
Top ring	_____	_____	_____	_____
2nd compression ring	_____	_____	_____	_____
Oil control ring	_____	_____	_____	_____

- _____ 5. Push on the face of all piston rings checking to make sure that they go fully into the ring groove, so that the ring face is flush or slightly recessed with the surface of the piston ring lands.

OK _____ NOT OK _____