



# Valve Spring Squareness and Free Height

Meets NATEF Task: (A1-B-3) Inspect Valve Spring for Squareness and Free Height Comparison; Determine Necessary Action. (P-2)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

\_\_\_\_\_ 1. Check service information and determine:

Spring free height = \_\_\_\_\_  
Squareness = \_\_\_\_\_ (usually within 1/16 in. [1.6 mm])

\_\_\_\_\_ 2. Measure the valve spring **free height** and **squareness**.

Cylinder #1	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____
Cylinder #2	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____
Cylinder #3	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____
Cylinder #4	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____
Cylinder #5	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____
Cylinder #6	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____
Cylinder #7	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____
Cylinder #8	Intake _____ / _____	OK _____	NOT OK _____
	Exhaust _____ / _____	OK _____	NOT OK _____

\_\_\_\_\_ 3. Based on the results, what is the necessary action? \_\_\_\_\_

\_\_\_\_\_