

Valve Spring Specifications & Measurements

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

Name		Date	Time on Task					_
Make/Model/Year	VII	N	Evaluation:			3	2	
Engine	VIN		_					
Check service inform	ation and determine th	ne following:						
1. Are the intal	ke and exhaust valve spi	rings interchangeabl	le?					
(Some h	nave different spring ten	sion and some sprin	ngs are w	ound in t	the o	oppo	osite	
direction	n) Yes	No						
2. Check squar	reness (should be within	1/16"):	OK_	_ NOT	[O]	K _		
3. The free length	gth (height) specificatio	n:						
4. The actual fi	ree length (height) (one	intake and one exha	ust sprin	g):				
	intake spring	exhaust	spring					
OK	NOT OK							
5. Valve closed	at	in	. height.					
6. Measured va	alve spring closed load:							
	intake spring	exhaust	spring					
OK	NOT OK							
7. Valve open	load specification:	at		in. heigh	nt.			
8. Measured va	alve spring closed load:							
	intake valve	exhaust valve	OK_	NO	T (OK.		
9. Installed hei	ght specification:		_					
10. Measured installed height:		intake valve		ex	hau	st v	alve	
OK	NOT OK							
11. Valve stem	height specification:	in.						
12. Measured va	alve stem height:							
	intake valve	exhaust	valve					
OK	NOT OK							