

► TASK Check valve spring assembled height and valve stem height; determine needed action.

MAST
1B11

CDX Tasksheet Number: C721

Time off _____

Time on _____

Total time _____

1. Research the procedure and specifications in the appropriate service information for checking the following:
 - a. Specified valve stem height
 - i. Intake: _____ in/mm
 - ii. Exhaust: _____ in/mm
 - b. Specified valve spring assembled height
 - i. Intake: _____ in/mm
 - ii. Exhaust: _____ in/mm
 - c. List, or print off and attach to this sheet, the procedure for making these measurements:

2. Perform this task only if the valves and valve seats are ready to be put back into service.

NOTE The valves are ready to be put back into service if they have been reground to meet specifications or if they have been replaced with new valves. This also applies for the valve seats. If you sent the heads out to be machined, the machinist should have ensured that these specifications were met.

3. Measure the valve stem height. List your measurements in the table below.

Valve	#1	#2	#3	#4	#5	#6	#7	#8
Intake (in/mm)								
Exhaust (in/mm)								

4. Measure the valve spring assembled height. List your measurements in the table below.

NOTE If the valve springs have been replaced with new ones, double-check the valve spring pressure to make sure they meet specifications. If you are reusing the existing valve springs and they passed this test earlier, continue on.

Valve	#1	#2	#3	#4	#5	#6	#7	#8
Intake (in/mm)								
Exhaust (in/mm)								

5. Determine any necessary action(s):

6. Have your supervisor/instructor verify satisfactory completion of this procedure, any observations found, and any necessary action(s) recommended.

NOTE NATEF has not specified a task for reassembling the head(s). However, now would be a good time to do so. Follow the specified procedure to reassemble the head(s), but be sure to follow all the necessary precautions.

NOTE Some overhead cam heads with bucket-style cam followers may need to have their valves adjusted at this point with the use of select fit shims. Check the service information to determine if this procedure is required for this engine. If so, adjust the valve at this time. Otherwise, valve adjustment will happen after the head and timing components have been installed.

Performance Rating

CDX Tasksheet Number: C721

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Supervisor/instructor signature _____ Date _____