

Nissan Sentra 1990-1995 Workshop Manual



Checking

Check valve clearance while engine is warm and not running.

1. Remove rocker cover.
2. Remove all spark plugs.
3. Set No. 1 cylinder at T.D.C. on its compression stroke.
4. Align pointer with T.D.C. mark on crankshaft pulley.
5. Check that valve lifters on No. 1 cylinder are loose and valve lifters on No. 4 are tight.

If not, turn crankshaft one revolution (360°) and align as above.

4. Check only those valves shown in the figure.



- Using a feeler gauge, measure clearance between lifter and camshaft.
- Record any valve clearance measurements which are outside specification. They will be used later to determine required replacement adjusting shim.

Valve clearance for checking (inlet)

Intake 0.21 - 0.28 mm (0.008 - 0.011 in.)

Exhaust 0.20 - 0.28 mm (0.008 - 0.011 in.)



5. Turn crankshaft one revolution (360°) and align mark on crankshaft pulley with T.D.C. mark.

6. Check those valves which were outside specification.

7. Use the shim determined in step 4.

8. If all valve clearances are within specification, install the

- Rocker cover
- Spark plugs

9. Recheck valve clearance.

10. Recheck valve clearance.

11. Recheck valve clearance.

12. Recheck valve clearance.

13. Recheck valve clearance.

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26. Recheck valve clearance.

27. Recheck valve clearance.



1. Oil filter cap
2. Rocker cover
3. Rocker cover gasket
4. Oil seal
5. Chain guide
6. Camshaft bracket
7. Intake camshaft
8. Exhaust camshaft

9. Distributor bracket
10. Cylinder head bolt
11. Headnut
12. Shim
13. Valve lifter
14. Valve adjuster
15. Valve spring retainer
16. Valve spring

17. Valve oil seal
18. Spring seat
19. Valve
20. Cylinder head
21. Cylinder head gasket
22. Cam crankshaft cover gasket
23. Cam crankshaft cover
24. Washer

Fig. 10-10, 10-11, 10-12, 10-13, 10-14, 10-15, 10-16, 10-17, 10-18, 10-19, 10-20, 10-21, 10-22, 10-23, 10-24, 10-25, 10-26, 10-27, 10-28, 10-29, 10-30, 10-31, 10-32, 10-33, 10-34, 10-35, 10-36, 10-37, 10-38, 10-39, 10-40, 10-41, 10-42, 10-43, 10-44, 10-45, 10-46, 10-47, 10-48, 10-49, 10-50, 10-51, 10-52, 10-53, 10-54, 10-55, 10-56, 10-57, 10-58, 10-59, 10-60, 10-61, 10-62, 10-63, 10-64, 10-65, 10-66, 10-67, 10-68, 10-69, 10-70, 10-71, 10-72, 10-73, 10-74, 10-75, 10-76, 10-77, 10-78, 10-79, 10-80, 10-81, 10-82, 10-83, 10-84, 10-85, 10-86, 10-87, 10-88, 10-89, 10-90, 10-91, 10-92, 10-93, 10-94, 10-95, 10-96, 10-97, 10-98, 10-99, 10-100

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