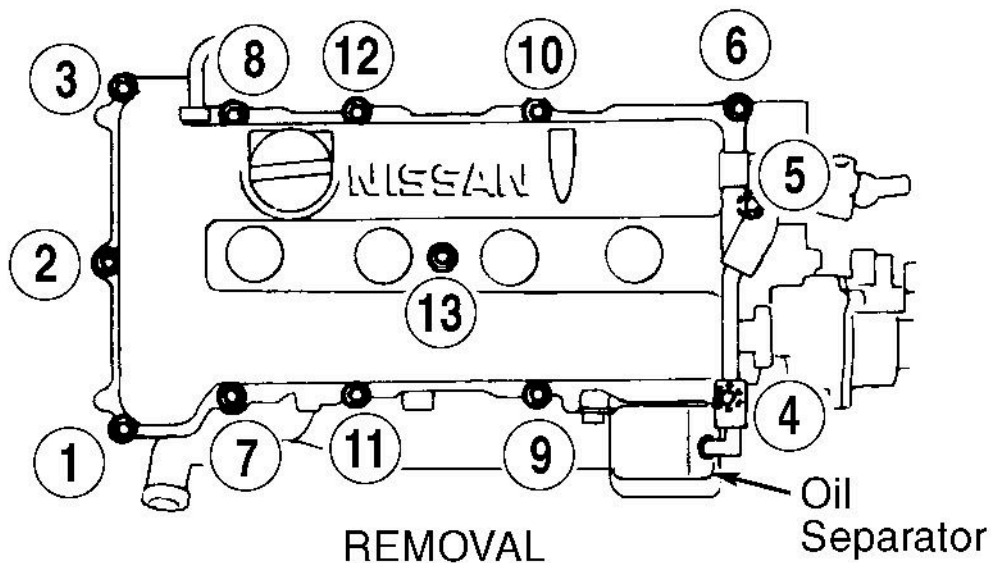
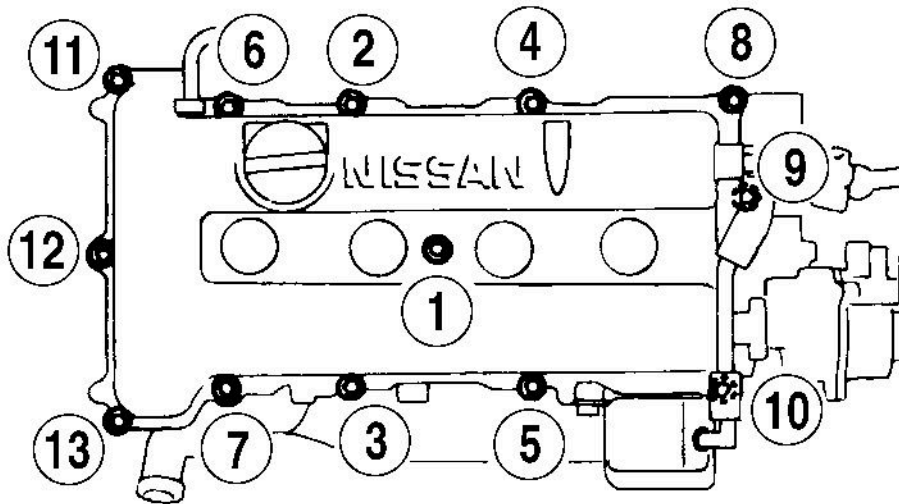


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← TIMING CHAIN
SIDE



INSTALLATION

STEP 1 - Tighten No. 1, 10, 11, 13 & 8
to 35 INCH Lbs. (4 N.m).

STEP 2 - Tighten all nuts in sequence
to 72-86 INCH Lbs. (8-10 N.m).

Fig. 16: Valve Cover Nut Removal & Installation Sequence

Courtesy of NISSAN MOTOR CO., U.S.A.

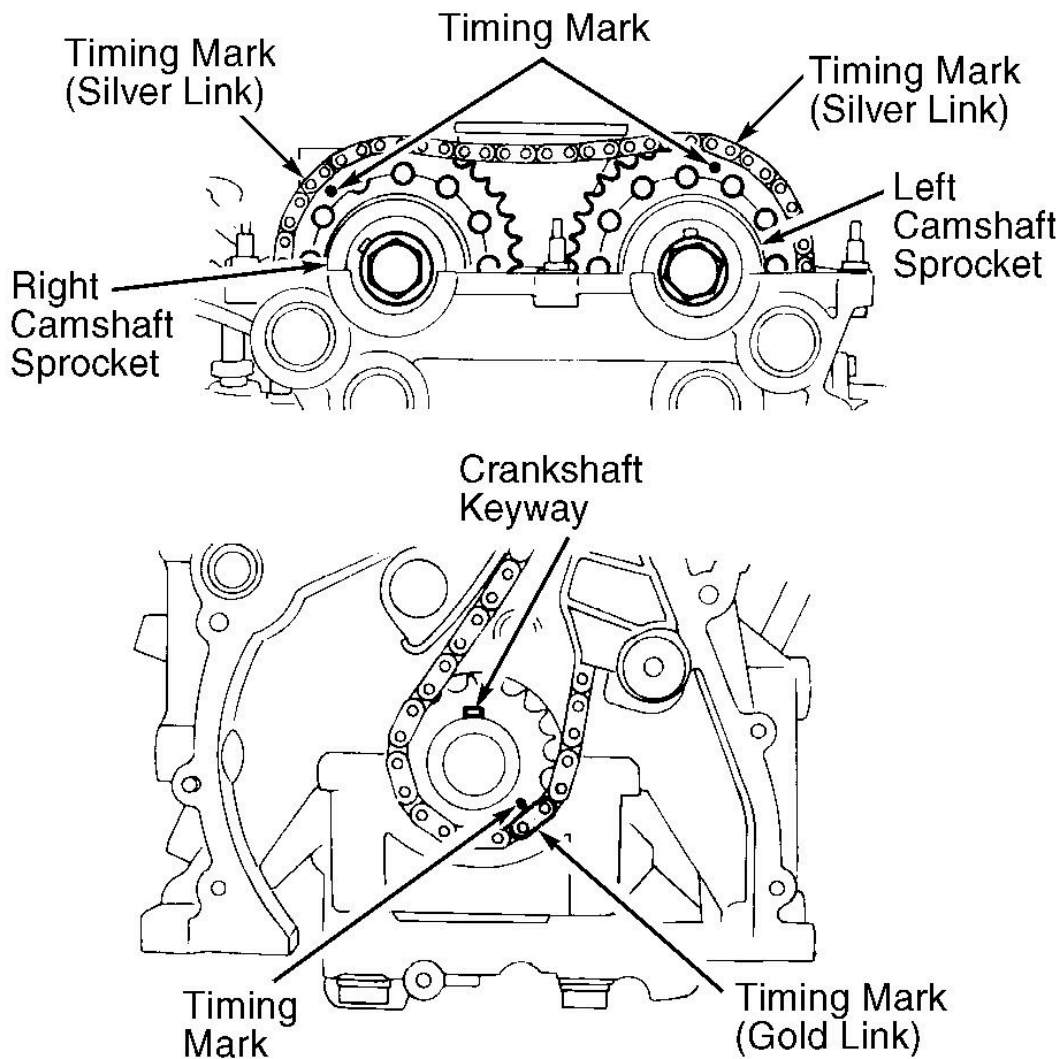
4. Remove intake manifold support braces. Remove oil filter bracket and power steering pump bracket. Set cylinder No. 1 at TDC of compression stroke by rotating crankshaft until timing mark pointer on front cover aligns with "0" mark on crankshaft pulley and timing marks on camshaft sprockets are properly positioned. See **Fig. 17**.
5. Note orientation of arrow on timing chain tensioner located on right side of cylinder head. See **Fig. 18** and **Fig. 25**. Remove timing chain tensioner, "0" ring and gasket from cylinder head. Remove distributor cap. Mark and remove distributor. Remove upper timing chain guide.

CAUTION: DO NOT rotate crankshaft or camshafts with timing chain removed, or engine damage may result.

6. Apply paint marks to timing chain and camshaft sprockets for reassembly reference. Hold camshaft using a wrench on area behind camshaft sprocket and remove camshaft sprocket bolts. Remove camshaft sprockets.

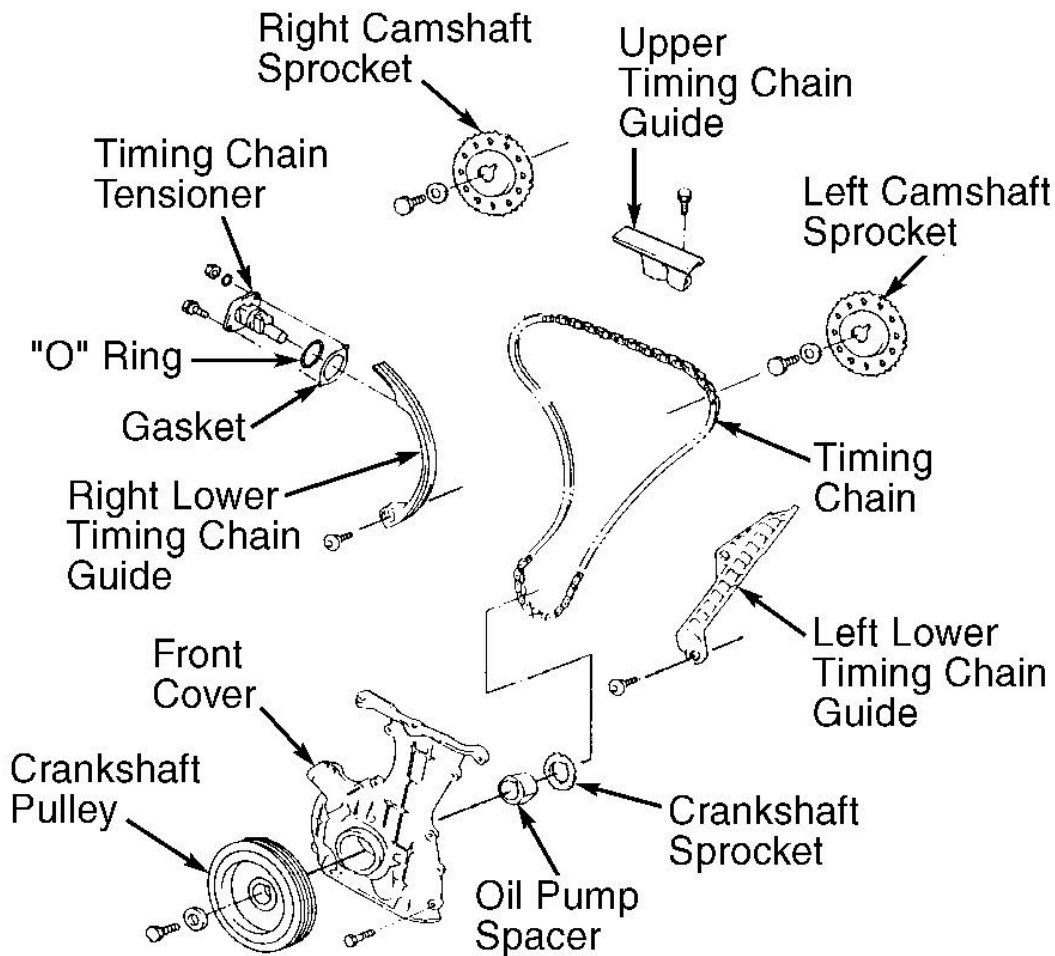
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Fig. 17: Aligning Timing Marks
Courtesy of NISSAN MOTOR CO., U.S.A.



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Fig. 18: Exploded View Of Timing Chain & Components
 Courtesy of NISSAN MOTOR CO., U.S.A.

CAUTION: Note direction and location of camshaft bearing cap installation. Arrow on cap points toward timing chain end of engine. Caps No. 1-4 are numbered for location with No. 1 at timing chain side. Caps at flywheel end of cylinder head are not numbered.

7. Remove camshaft bearing cap bolts in sequence. See **Fig. 19**. Note bolt location for reassembly reference.
8. Remove camshafts, camshaft brackets, oil tubes and baffle plate. Disconnect coolant hoses as necessary. Remove water pipe bolt. Remove starter. Remove outside (small) cylinder head bolts.

CAUTION: Outside cylinder head bolts are located at front cover and near

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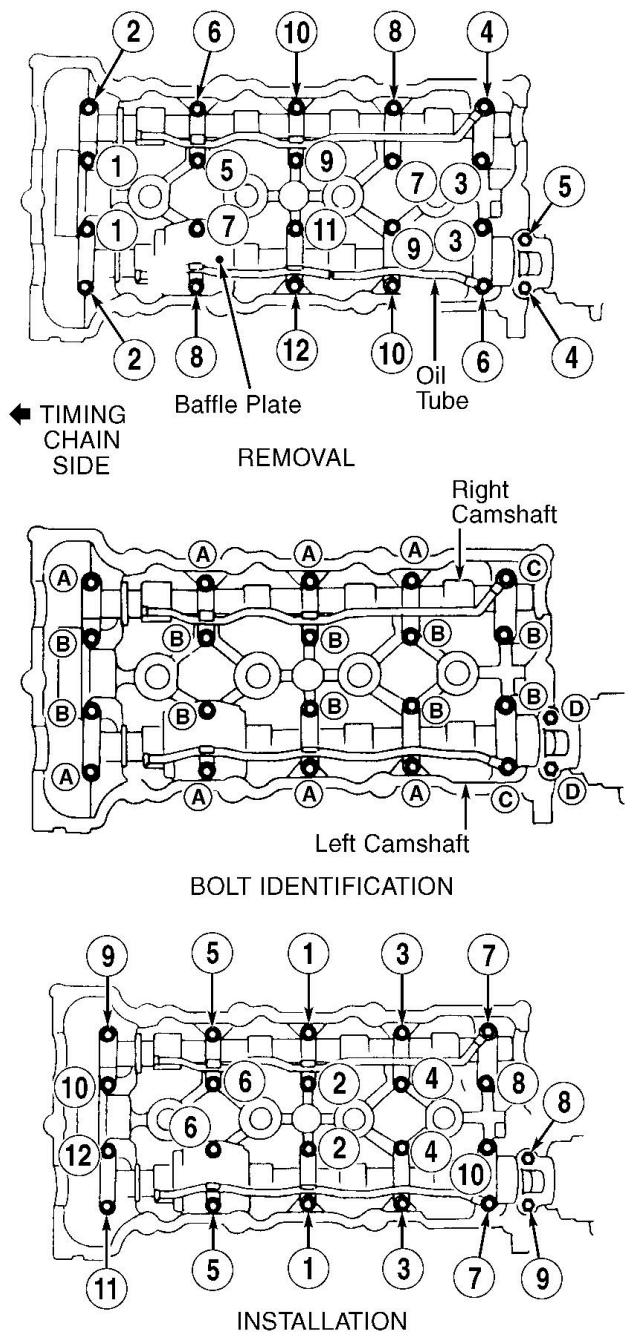
2.0L 4-CYL VIN [B] 1997-98 ENGINES Nissan 2.0L 4-Cylinder

distributor.

9. Using Cylinder Head Bolt Wrench (J-24239-01), loosen cylinder head (large) bolts in 3 steps and in sequence. See **Fig. 20**. Remove cylinder head with intake and exhaust manifolds attached.
10. Remove oil pan. See OIL PAN. Remove oil pump pick-up tube and baffle plate. Remove crankshaft pulley bolt. Using puller, remove crankshaft pulley.
11. Support engine using floor jack positioned under main bearing caps. Remove engine mount located on front cover. Remove front cover bolts and front cover. Remove lower timing chain guides and timing chain. Remove oil pump spacer and crankshaft sprocket (if necessary). See **Fig. 18**.

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NOTE: Bolt identification must be used when tightening bolts to specification.

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Fig. 19: Camshaft Bearing Cap Bolt Identification & Removal & Installation Sequence
Courtesy of NISSAN MOTOR CO., U.S.A.