

1996 Nissan 300ZX Turbo

3.0L V6 VINS [R,C] 1995-96 Engines Nissan - 3.0L V6 - DOHC

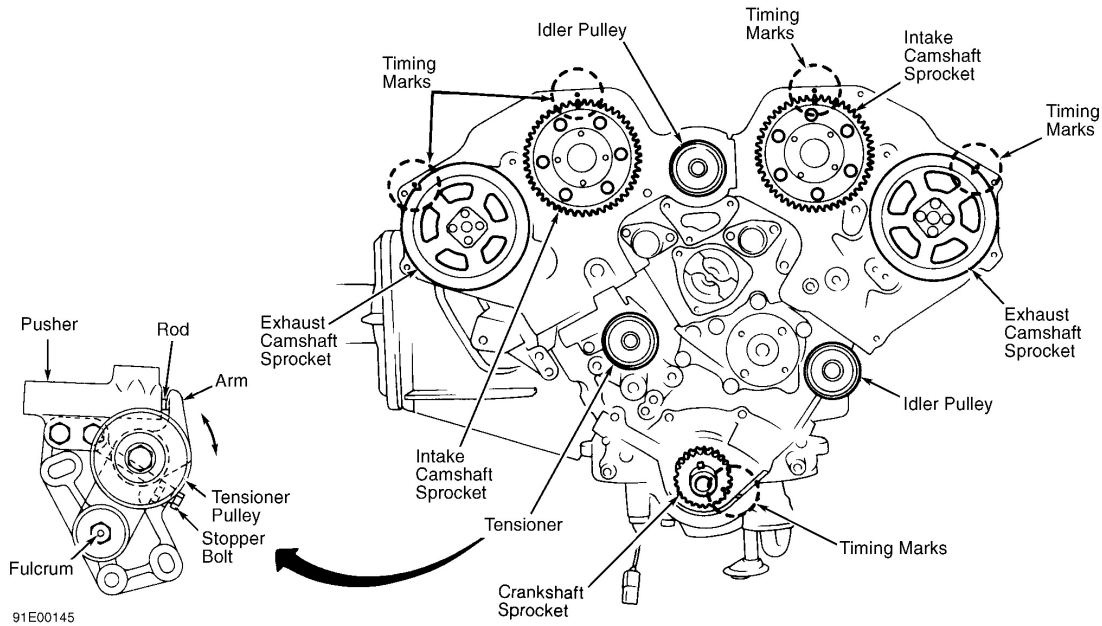
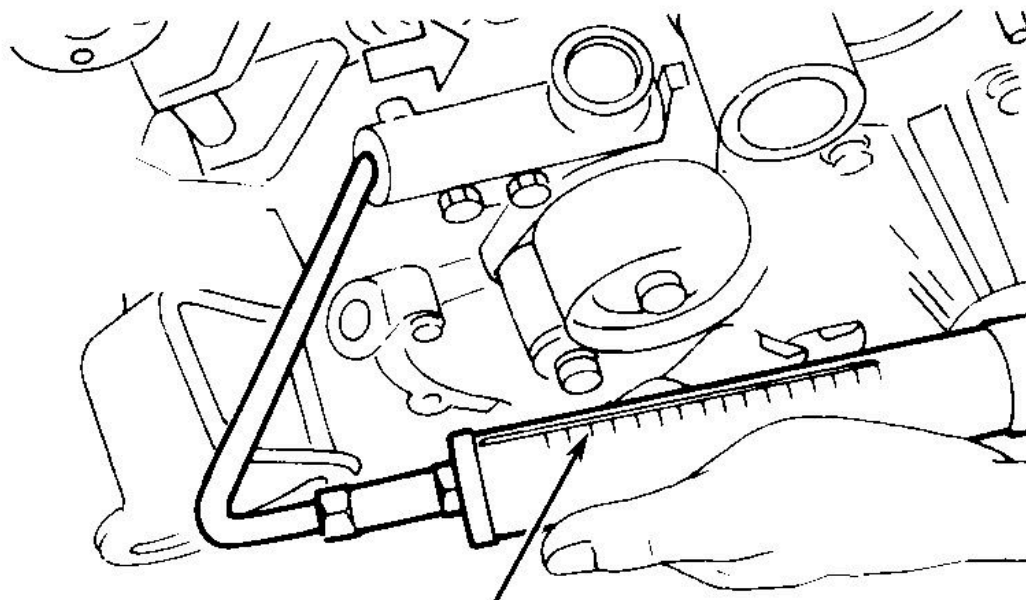


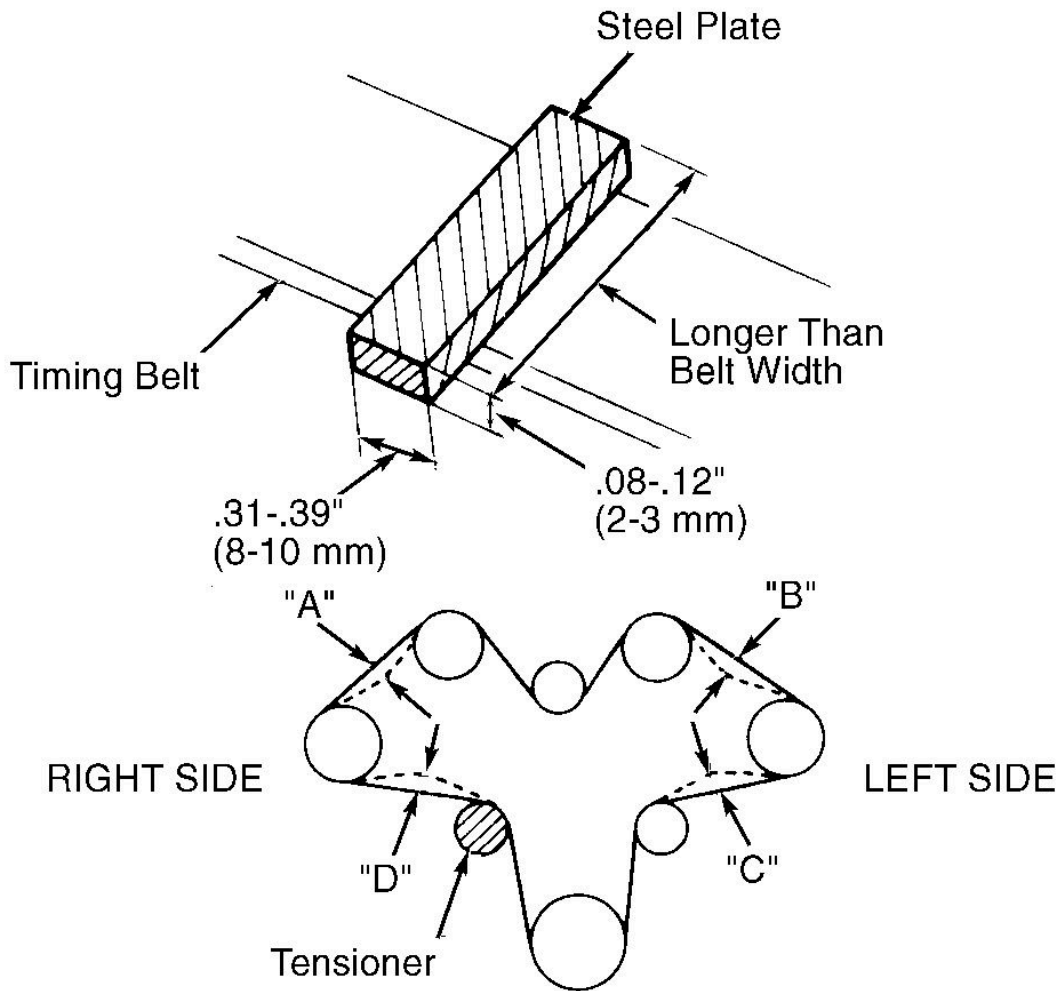
Fig. 6: Installing Timing Belt & Tensioner
Courtesy of NISSAN MOTOR CO., U.S.A.



Push/Pull Gauge

91F00146

Fig. 7: Adjusting Timing Belt Tensioner
 Courtesy of NISSAN MOTOR CO., U.S.A.



91G00147

Fig. 8: Checking Timing Belt Deflection
 Courtesy of NISSAN MOTOR CO., U.S.A.

CAMSHAFT

NOTE: Manufacturer procedure requires that cylinder head be removed for camshaft removal. To prevent air from entering hydraulic lifters, keep lifters upright or submerge in oil.

WARNING: Remove Valve Timing Control (VTC) solenoid valve before removing

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camshaft or damage to VTC may result.

Removal

1. Release fuel system pressure. See **FUEL PRESSURE RELEASE**. Remove cylinder head. See **CYLINDER HEAD**. Remove camshaft sprockets and timing belt rear cover from cylinder head.
2. Remove Valve Timing Control (VTC) solenoid valves from rear of intake camshafts. Measure and record camshaft end play. Loosen camshaft bearing cap bolts in 2-3 steps, beginning with outer bolts and working inward.
3. Remove camshaft bearing caps. Remove camshaft, seals and hydraulic lifters. Mark hydraulic lifters for installation reference.

Inspection

Check camshaft journals and lobes for scratches, seizure and wear. Measure camshaft journal diameter, camshaft bearing bore diameter, camshaft runout, sprocket runout and lobe height. Determine oil clearance. Replace camshaft if measurements are not within specification. See **CAMSHAFT** under ENGINE SPECIFICATIONS.

Installation

1. Install hydraulic lifters. Install camshafts with knockpins at top of camshaft, centered between camshaft bearing cap bolt holes. Exhaust camshaft for left cylinder head is identified by splines on end of camshaft (for crank angle sensor).
2. Apply a thin coat of liquid gasket to cylinder head groove where valve timing control solenoid will be installed. Install valve timing control solenoid. Apply liquid gasket to front mating edge of front camshaft bearing caps. **DO NOT** allow liquid gasket to contact camshaft bearing surfaces.
3. Install camshaft bearing caps. Tighten cap bolts in 2-3 steps to specification, beginning at center cap and working outward. See **TORQUE SPECIFICATIONS**. Apply oil to NEW camshaft oil seal lip. Install NEW seal. To complete installation, reverse removal procedure.

REAR CRANKSHAFT OIL SEAL

Removal & Installation

Remove transmission. Remove flexplate/flywheel. Pry seal out of retainer. Lubricate NEW seal. Drive seal into retainer. To complete installation, reverse removal procedure.

THERMOSTAT

Removal & Installation

1. Drain coolant from drain cocks on both sides of cylinder block and radiator. Remove the following parts:
 - Under cover
 - Radiator upper hose