

TIMING BELT

Removal

1. Disconnect negative battery cable. Remove air cleaner assembly. Remove upper fan shroud. Remove cooling fan assembly. Remove all accessory drive belts.
2. Remove fan pulley assembly. Remove crankshaft pulley bolt. Using Puller (J-8614-01) or equivalent, remove crankshaft pulley. Remove oil cooler hose from timing cover. Remove timing belt cover. Align all timing marks prior to belt removal. See **Fig. 1** and **Fig. 2** . Remove belt tensioner pusher and timing belt.

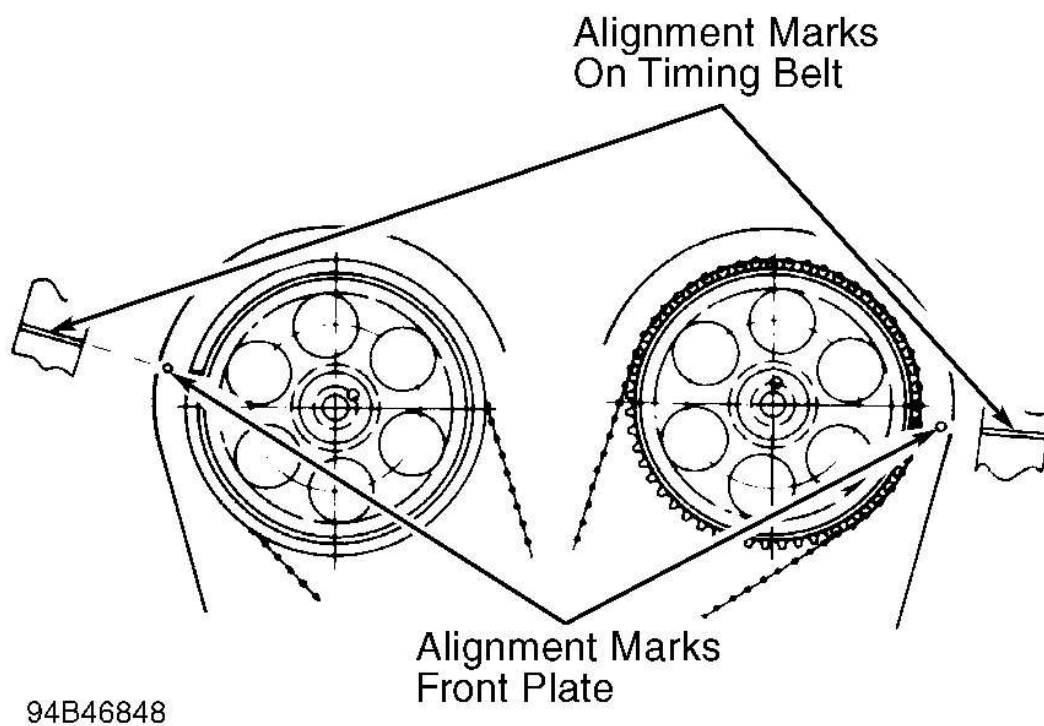
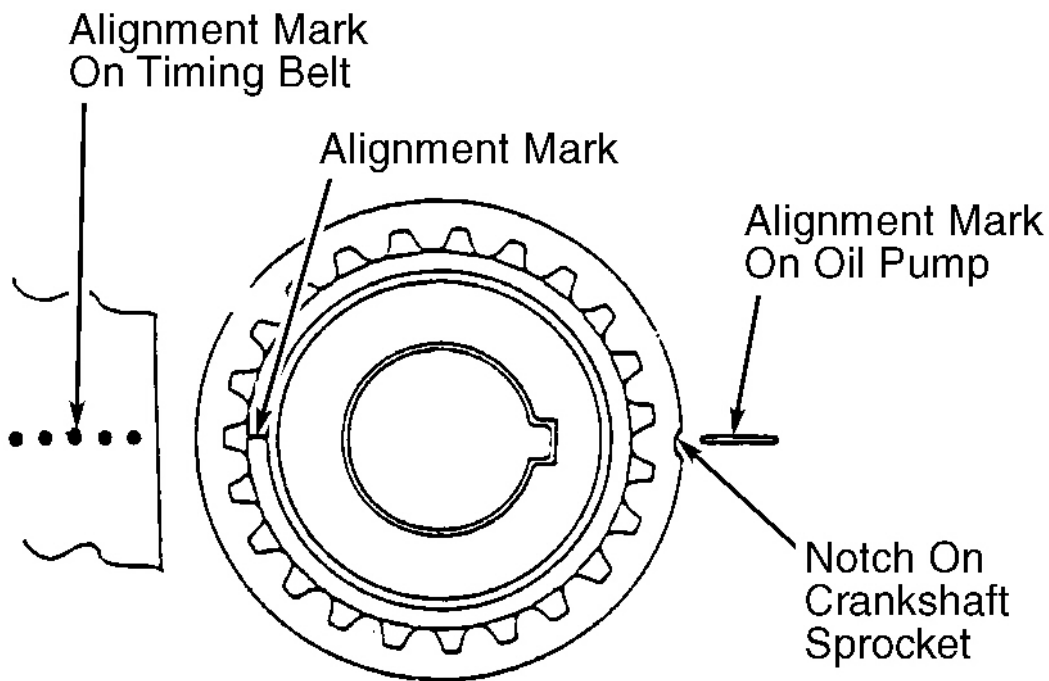


Fig. 1: Aligning Camshaft Timing Marks
Courtesy of ISUZU MOTOR CO.



94C46849

Fig. 2: Aligning Crankshaft Timing Marks

Courtesy of ISUZU MOTOR CO.

Installation

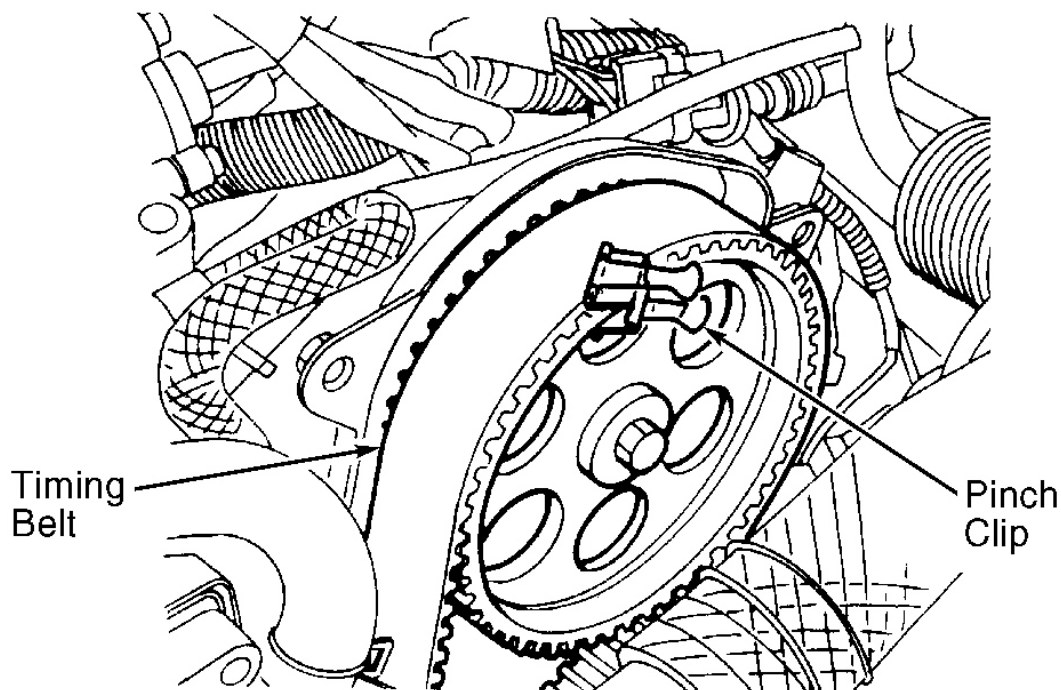
1. Ensure all timing marks are aligned. Install belt over one pulley at a time starting at crankshaft sprocket working counterclockwise. Belt should go over tensioner last. Secure belt at each pulley during installation with pinch clips. See **Fig. 3**.

CAUTION: To ensure correct timing belt installation, ensure direction of rotation arrows are pointing in proper direction. If timing belt is being reused, install belt in original direction of rotation.

2. Compress timing belt tensioner pusher and insert pin to retain pusher. Apply pressure to tensioner against belt and install tensioner pusher. Tighten bolts to specification. See **TORQUE SPECIFICATIONS**.
3. Loosen tensioner pulley bolt. Apply pressure on belt by rotating tensioner. Tighten tensioner pulley bolt to specification. Remove pin from timing belt tensioner pusher.
4. Remove pinch clips from timing belt, (if used). Install crankshaft pulley, tightening center bolt finger tight. Rotate crankshaft 2 turns clockwise. Ensure timing belt tensioner pusher rod protrudes proper amount. See **Fig. 4**.
5. If timing belt tensioner pusher rod protrusion is not within specification, remove pusher, loosen tensioner

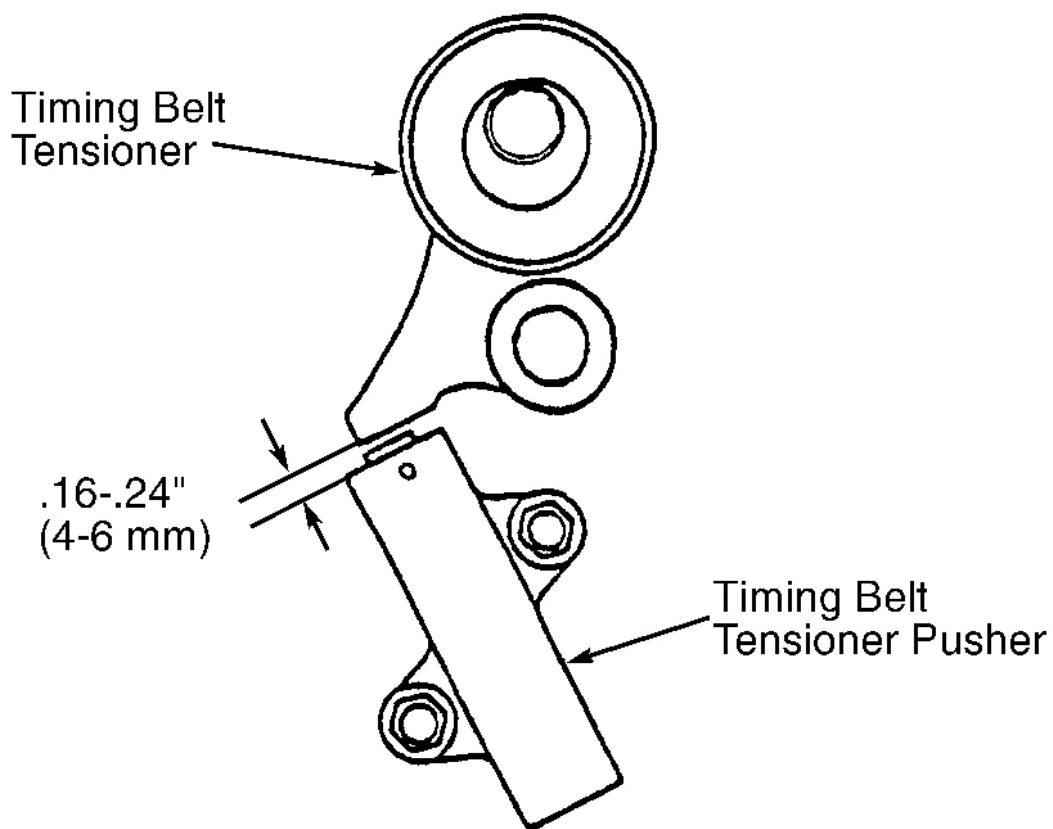
many waters gallery

pulley bolt and readjust. Reset timing belt tensioner pusher rod and repeat timing belt tensioning procedure. Remove crankshaft pulley and install timing belt cover. To complete installation, reverse removal procedure. Tighten nuts and bolts to specification. See **TORQUE SPECIFICATIONS** . Adjust drive belts to proper tension.



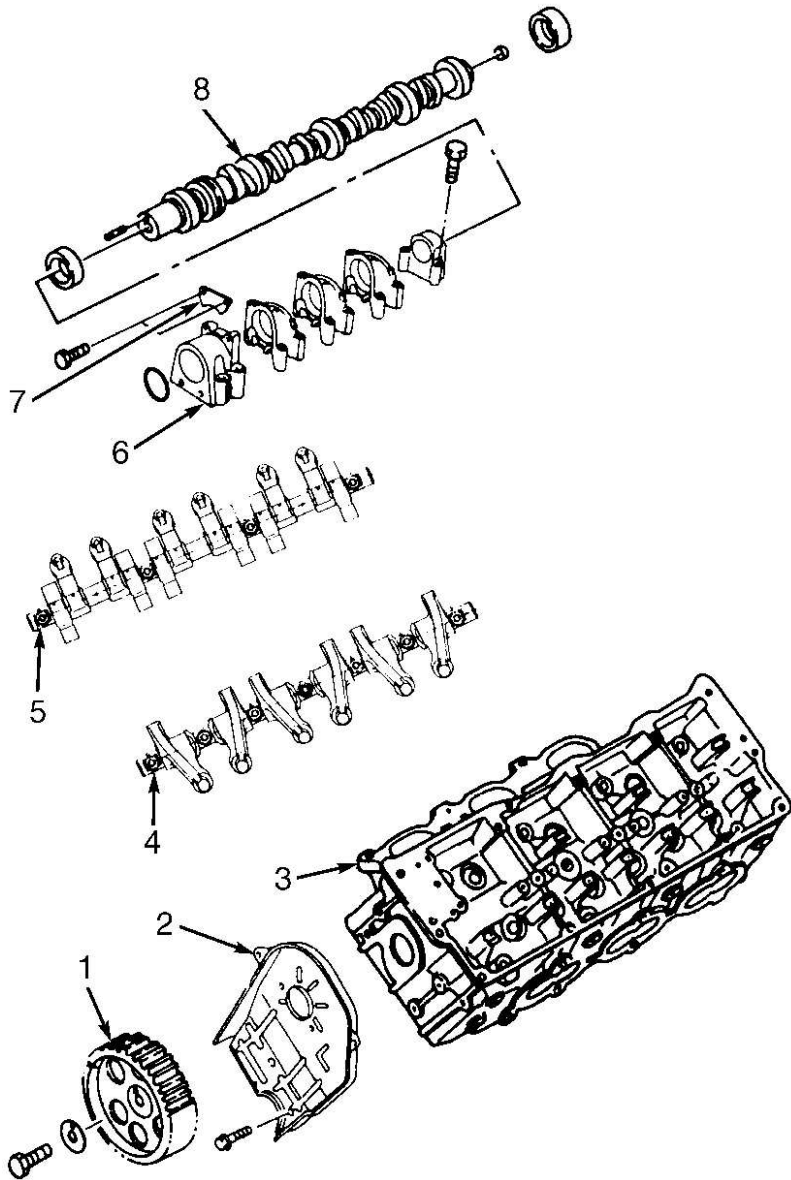
93E01596

Fig. 3: Installing Pinch Clips On Timing Belt
Courtesy of ISUZU MOTOR CO.



G93J01594

Fig. 4: Adjusting Timing Belt Tensioner Pusher
Courtesy of ISUZU MOTOR CO.



- 1. Camshaft Pulley
- 2. Front Plate
- 3. Cylinder Head
- 4. Exhaust Rocker Assembly
- 5. Intake Rocker Assembly
- 6. Camshaft Towers
- 7. Camshaft Thrust Plate
- 8. Camshaft

93C01595

Fig. 5: Exploded View Of Cylinder Head Components

Courtesy of ISUZU MOTOR CO.

TORQUE SPECIFICATIONS

many waters gallery

Saturday, March 14, 2009 2:12:47 PM

Page 5

© 2005 Mitchell Repair Information Company, LLC.

1997 Honda Passport LX

ACURA & HONDA 3.2L V6 - SOHC - 1994-97

TORQUE SPECIFICATIONS

Application	Ft. Lbs. (N.m)
Camshaft Pulley Bolt	41 (56)
Camshaft Sprocket Bolt	41 (56)
Crankshaft Pulley Bolt	123 (167)
Fan Pulley Bolt	16 (22)
Front Plate Bolt	14 (19)
Idler Arm Retaining Bolt	33 (44)
Power Steering Pump Bolt	34 (46)
Timing Belt Cover Bolt	13 (18)
Timing Belt Tensioner Pulley Bolt	32 (43)
Timing Belt Tensioner Pusher Bolt	14 (19)
Upper Intake Manifold Bolt	18 (24)
	INCH Lbs. (N.m)
Camshaft Thrust Plate Bolt	87 (10)
Cooling Fan Assembly Nut	69 (8)