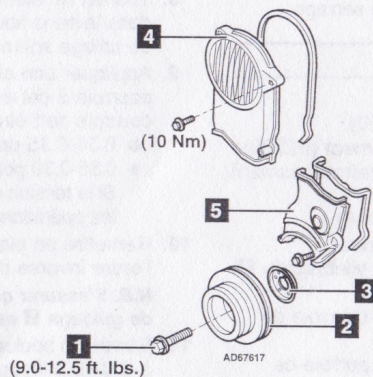
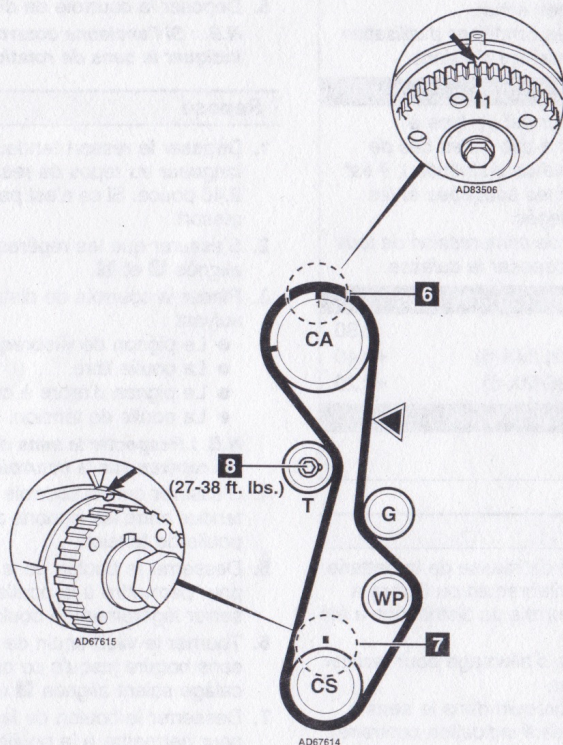


Model: **626 2.2L • B2200 2.2L • MX-6 2.2L**

Year: **1987-93**

Engine identification: **F2 SOHC**



AD11947

Replacement Interval Guide

California only:
Mazda recommends replacement after 60,000 miles, then every 90,000 miles.
All other States:
Mazda recommends replacement every 60,000 miles or every 60 months, whichever occurs first.
The previous use and service history of the vehicle must always be taken into account.

Check For Engine Damage

CAUTION: This engine has been identified as an **INTERFERENCE** engine in which the possibility of valve-to-piston damage in the event of a timing belt failure is **MOST LIKELY** to occur.
A compression check of all cylinders should be performed before removing the cylinder head.

Labor Times – hrs

Remove & install	2.80
With A/C (626/MX-6)	+0.40
With PAS (626/MX-6)	+0.20

Special Tools

- None required.

Special Precautions

- Disconnect battery ground cable.
- Do NOT turn crankshaft or camshaft with timing belt removed.
- Remove spark plugs to ease turning engine.
- Turn crankshaft in normal direction of rotation (unless otherwise stated).
- Do NOT turn crankshaft via camshaft or other sprockets.
- Observe all tightening torques.

Removal

- Remove:
 - Radiator cowl (B2200).
 - Cooling fan (B2200).
 - Cooling fan pulley & bracket (B2200).
 - Right hand splash guard (626/MX-6).
 - Accessory drive belt(s).
 - Crankshaft pulley bolts **1**.
 - Crankshaft pulley **2**.
 - Timing belt guide washer **3**.
 - Upper timing belt cover **4**.
 - Lower timing belt cover **5**.
- Turn crankshaft clockwise to setting position with camshaft sprocket timing mark (arrow and 1) **6** aligned.
- Ensure crankshaft sprocket timing marks **7** aligned.

- Loosen the tensioner bolt **8**, push tensioner away from belt and lightly tighten bolt.
- Remove the timing belt.
NOTE: If re-using old belt, mark direction of rotation with chalk.

Installation

- Remove tensioner spring and check free length of spring is 2.48 ins. If not, renew spring.
- Ensure the timing marks **6** & **7** are aligned.
- Install the timing belt to the sprockets and pulleys in the following order:
 - Crankshaft sprocket.
 - Guide pulley.
 - Camshaft sprocket.
 - Tensioner pulley.
- Ensure timing belt taut between sprockets on non-tensioned side.
- Loosen the tensioner bolt **8**, allow tensioner to operate and lightly tighten bolt.
- Turn crankshaft two complete turns clockwise until timing marks **6** & **7** aligned.
- Loosen the tensioner bolt **8** to allow tensioner to operate, then torque bolt to 27-38 ft. lbs.
- Turn crankshaft two more complete turns clockwise until timing marks **6** & **7** aligned.
- Apply a load of 22 lbs. to the belt at ▼. The belt should deflect as follows:
 - 0.31-0.35 ins. – new belt.
 - 0.35-0.39 ins. – used belt.
 If tension incorrect, repeat tensioning procedures 5. thru 8.
- Install components in reverse order of removal.
NOTE: Ensure timing belt guide washer **3** installed with convex surface facing towards timing belt.
- Torque the crankshaft pulley bolts **1** to 9.0-12.5 ft. lbs.