

Model:	3.2TL • MDX 3.5L • RL 3.5L • TL 3.2L
Year:	2003-06
Engine Identification:	J32A3, J35A5, J35A8

## Replacement Interval Guide

Acura recommends replacement every 105,000 miles or 84 months, whichever occurs first under normal conditions or 60,000 miles under adverse conditions.

*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	4.40
------------------	------

## Special Tools

- Crankshaft pulley holder handle – Acura No.07JAB-001020A/B.
- Crankshaft pulley holder – Acura No.07MAB-PY3010A.
- Crankshaft pulley bolt socket – Acura No.07JAA-001020A.

## Removal

1. Raise and support front of vehicle.
2. Remove:
  - Front wheel assemblies.
  - Front lower splash guard.
  - Accessory drive belts.
3. Support the engine and remove:
  - Right hand engine mount.
  - Right hand engine mount bracket.
4. Hold the crankshaft pulley with tool Nos.07MAB-PY3010A/07JAB-001020A/B.
5. Loosen the crankshaft pulley bolt **1** using tool No.07JAA-001020A.
6. Remove timing belt upper covers **2**.
7. Turn the crankshaft clockwise until No.1 cylinder at TDC of compression stroke with white timing mark (TDC) on crankshaft pulley aligned with pointer **3**.
8. Ensure the camshaft sprocket timing marks **4** are aligned.
9. Remove:
  - Crankshaft pulley bolt **1**.
  - Crankshaft pulley **5**.
  - Timing belt lower cover **6**.
  - Timing belt guide plate **7**.
10. Remove one battery clamp bolt and screw into the auto tensioner bracket to retain tensioner in position **7**.  
**NOTE: Tighten bolt by hand only. Do not overtighten. Grind end of battery clamp bolt **8**.**

11. Remove:
  - Guide pulley bolt **8**
  - Guide pulley.
  - Timing belt.

## Installation

1. Remove the battery clamp bolt **7** from the auto tensioner bracket.
2. Undo and remove bolts **9** and remove auto tensioner **10**.
3. Align the hole in the tensioner body with the hole in the pushrod and using a press with a maximum force of 2200 lbs. slowly press the pushrod into the auto tensioner body **11**.
4. Retain pushrod in position with a 0.080 in. pin **12**.
5. Install auto tensioner **10** to engine and torque bolts **9** to 9 ft. lbs.
6. Screw battery clamp bolt **7** into the auto tensioner bracket to retain tensioner in position.
7. Ensure the timing marks **13** & **4** are aligned.
8. Install guide pulley.
9. Apply thread lock to guide pulley bolt **8** and finger tighten.
10. Install timing belt to the sprockets and pulleys in the following order:
  - Crankshaft sprocket.
  - Guide pulley.
  - Camshaft sprocket (CA2).
  - Water pump pulley.
  - Camshaft sprocket (CA1).
  - Tensioner pulley.
11. Ensure timing belt taut between sprockets on non-tensioned side.
12. Torque guide pulley bolt **8** to 33 ft. lbs.
13. Remove the pin **12** from auto tensioner to allow tensioner to operate.
14. Remove the battery clamp bolt **7** from the auto tensioner bracket.
15. Install timing belt guide plate **7**.
16. Install the engine mount bracket and lower timing belt cover **6**.
17. Install crankshaft pulley **5**.
18. Apply engine oil to the crankshaft pulley face, bolt threads and washer, then torque the bolt **1** to:
  - RL/TL: A – 181 ft. lbs.
  - MDX: B – 47 ft. lbs. + 60°.
19. Turn the crankshaft six turns clockwise until No.1 cylinder at TDC of compression stroke with white timing mark (TDC) on crankshaft pulley aligned with pointer **3**.
20. Ensure the camshaft sprocket timing marks **4** are aligned.
21. Install components in reverse order of removal.

