2012 ENGINE

Drive Belt - Civic

DRIVE BELT AUTO-TENSIONER AIR BLEEDING

REMOVAL

1. Drive Belt
   1. Move the auto-tensioner (A) counterclockwise to relieve tension from the drive belt (B).
   2. Remove the drive belt.

![Fig. 1: Removing Drive Belt](https://example.com/diagram.png)

Courtesy of AMERICAN HONDA MOTOR CO., INC.

BLEEDING

1. Drive Belt Auto Tensioner - Air Bleeding
   1. From the top of the engine. Set a socket wrench on the drive belt auto-tensioner. Take at least 3 seconds to complete a full stroke to compress the auto-tensioner in the direction of the arrow. Then take 3 seconds to complete a full stroke to move the auto-tensioner in the opposite direction (decompressing it). Repeat the full compress/decompressing action three more times.
INSTALLATION

1. Drive Belt
   1. Move the auto-tensioner (A) counterclockwise.
   2. Install the drive belt (B).

DRIVE BELT AUTO-TENSIONER INSPECTION (EXCEPT K24Z7)

INSPECTION

1. Drive Belt Auto-Tensioner - Position Check
   1. Turn the ignition switch to ON (II), and make sure to turn the A/C switch OFF, then turn the ignition switch to LOCK (0).
   2. Check the position of the auto-tensioner indicator pointer (A).
3. Start the engine, then check the position again with the engine idling. If the position of the indicator moves or fluctuates a lot, replace the auto-tensioner.

4. Check for abnormal noise from the tensioner pulley. If you hear any abnormal noise, replace the auto-tensioner.

![Identifying Auto-Tensioner Indicator Pointer](image)

**Fig. 4: Identifying Auto-Tensioner Indicator Pointer**
Courtesy of AMERICAN HONDA MOTOR CO., INC.

**REMOVAL**

1. **Drive Belt**
   1. Move the auto-tensioner (A) counterclockwise to relieve tension from the drive belt (B).
   2. Remove the drive belt.
INSPECTION

1. Drive Belt Auto-Tensioner - Inspection
   1. Set a long-handled, boxed-end wrench on the drive belt auto-tensioner from above the engine. Slowly turn the wrench in the direction of the arrow. Check that the auto-tensioner moves smoothly and without any abnormal noise. If the auto-tensioner does not move smoothly, or you hear any abnormal noise, replace the auto-tensioner.

   NOTE: This is a hydraulic type auto-tensioner; you must turn the wrench slowly.

INSTALLATION

1. Drive Belt
   1. Move the auto-tensioner (A) counterclockwise.
   2. Install the drive belt (B).
DRIVE BELT AUTO-TENSIONER INSPECTION (K24Z7)

SPECIAL TOOL DESCRIPTION

<table>
<thead>
<tr>
<th>Image</th>
<th>Description/Tool Number</th>
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<tr>
<td></td>
<td>Belt Tension Release Tool Snap-on YA9317 (1), commercially available</td>
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(1) Available through the Honda Tool and Equipment Program 888-424-6857.

INSPECTION

1. Drive Belt Auto-Tensioner - Position Check
   1. Turn the ignition switch to ON (II), and make sure to turn the A/C switch OFF, then turn the ignition switch to LOCK (0).
   2. Check the position of the auto-tensioner indicator pointer (A).
   3. Start the engine, then check the position again with the engine idling. If the position of the indicator moves or fluctuates a lot, replace the auto-tensioner.
4. Check for abnormal noise from the tensioner pulley. If you hear any abnormal noise, replace the auto-tensioner.

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**Fig. 8: Identifying Auto-Tensioner Indicator Pointer**
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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**REMOVAL**

1. **Drive Belt**
   1. Move the auto-tensioner (A) using the belt tension release tool in the direction of the arrow to relieve tension from the drive belt, then remove the drive belt.

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**Fig. 9: Moving Auto-Tensioner**
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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**INSPECTION**