

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.

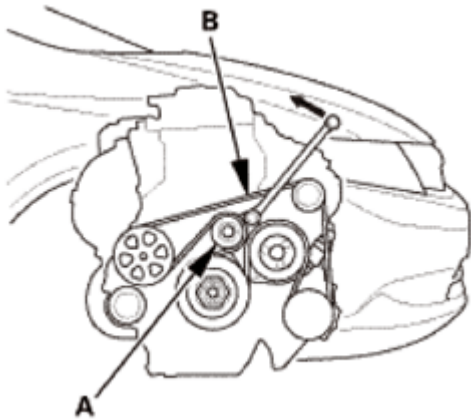


Fig. 1: Removing Drive Belt

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.



Fig. 2: Compressing Auto-Tensioner
Courtesy of AMERICAN HONDA MOTOR CO., INC.

INSTALLATION

1. Drive Belt

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

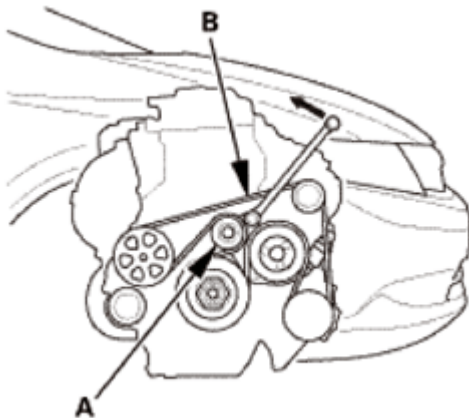


Fig. 3: Installing Drive Belt
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.

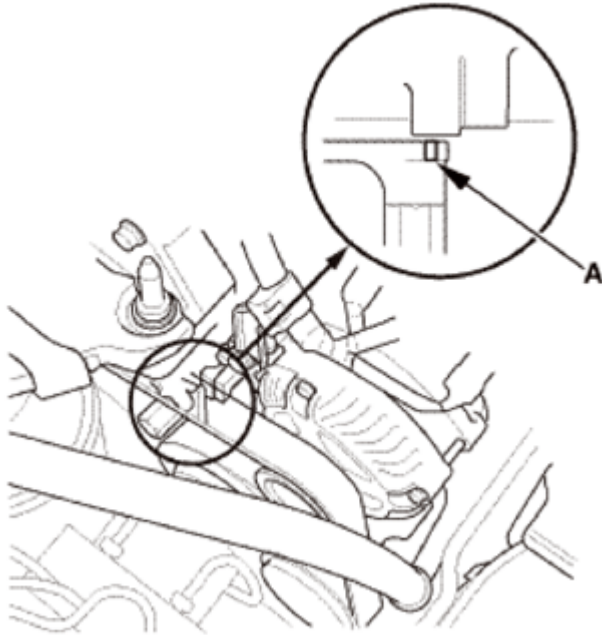


Fig. 4: Identifying Auto-Tensioner Indicator Pointer
Courtesy of AMERICAN HONDA MOTOR CO., INC.

REMOVAL

1. Drive Belt

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

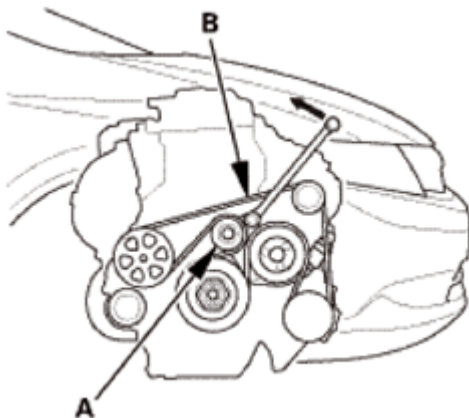


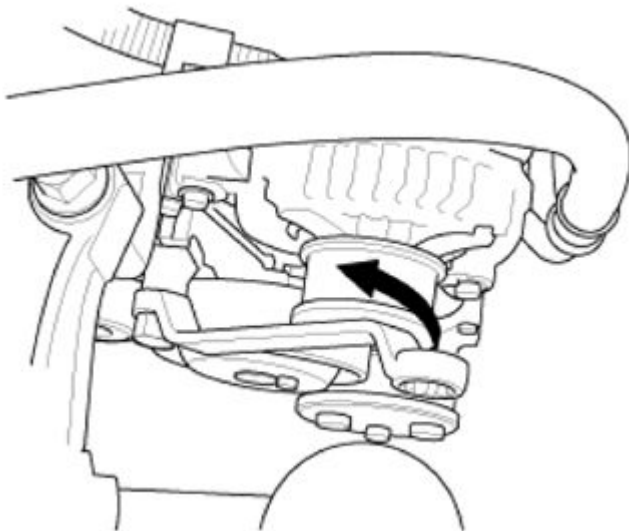
Fig. 5: Removing Drive Belt

Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.

**Fig. 6: Moving Drive Belt Auto-Tensioner**

Courtesy of AMERICAN HONDA MOTOR CO., INC.

INSTALLATION**1. Drive Belt**

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

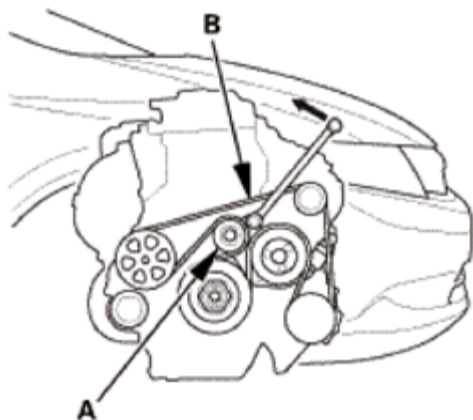
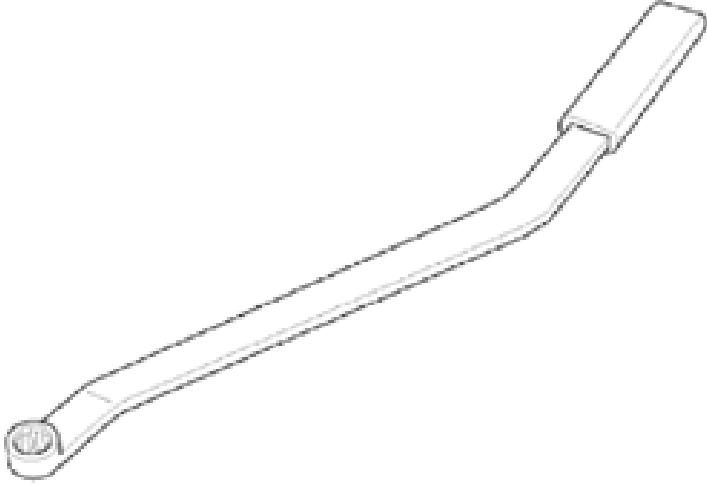


Fig. 7: Installing Drive Belt

Courtesy of AMERICAN HONDA MOTOR CO., INC.

DRIVE BELT AUTO-TENSIONER INSPECTION (K24Z7)

SPECIAL TOOL DESCRIPTION

Image	Description/Tool Number
	Belt Tension Release Tool Snap-on YA9317 (1), commercially available
(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.

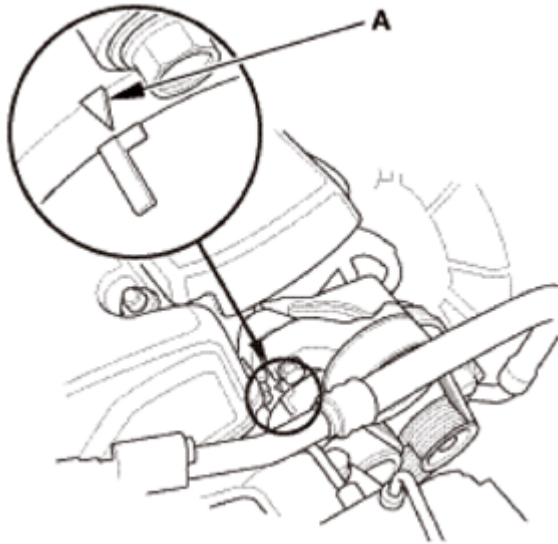


Fig. 8: Identifying Auto-Tensioner Indicator Pointer
Courtesy of AMERICAN HONDA MOTOR CO., INC.

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.

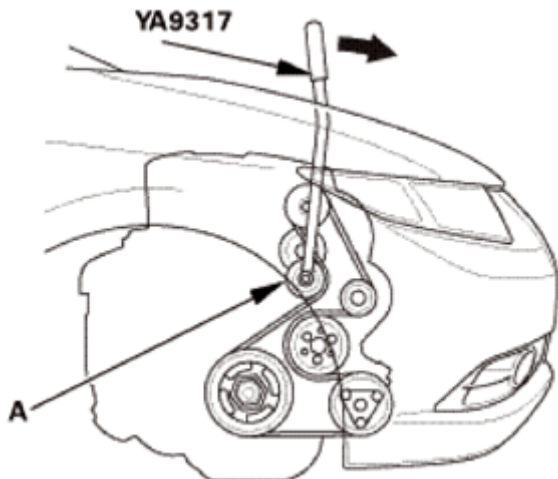


Fig. 9: Moving Auto-Tensioner
Courtesy of AMERICAN HONDA MOTOR CO., INC.

INSPECTION