

2001-02 ENGINE COOLING

Drive Belt Routing & Adjustment - MDX

DRIVE BELT ROUTING

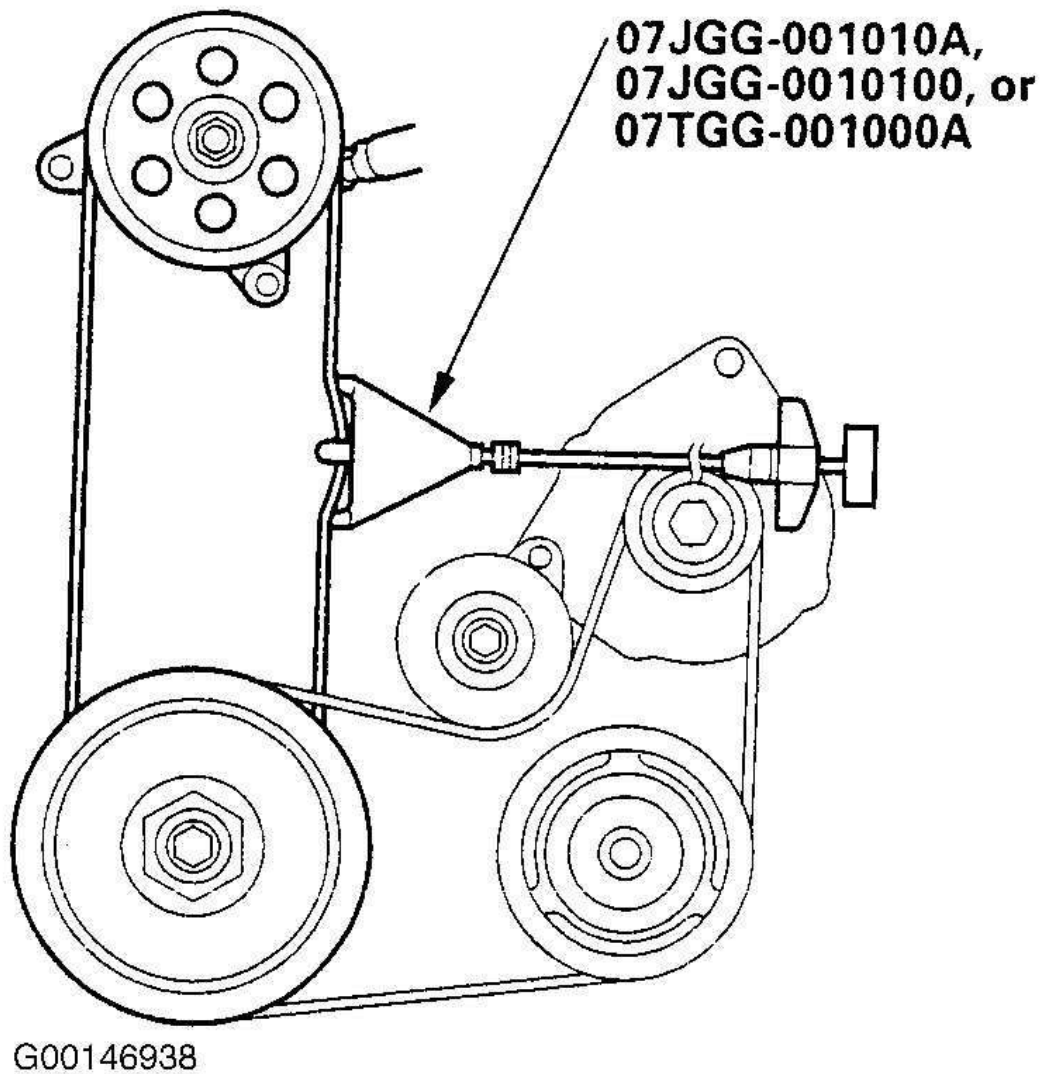


Fig. 1: Drive Belt Routing & Checking Belt Tension
Courtesy of AMERICAN HONDA MOTOR CO., INC.

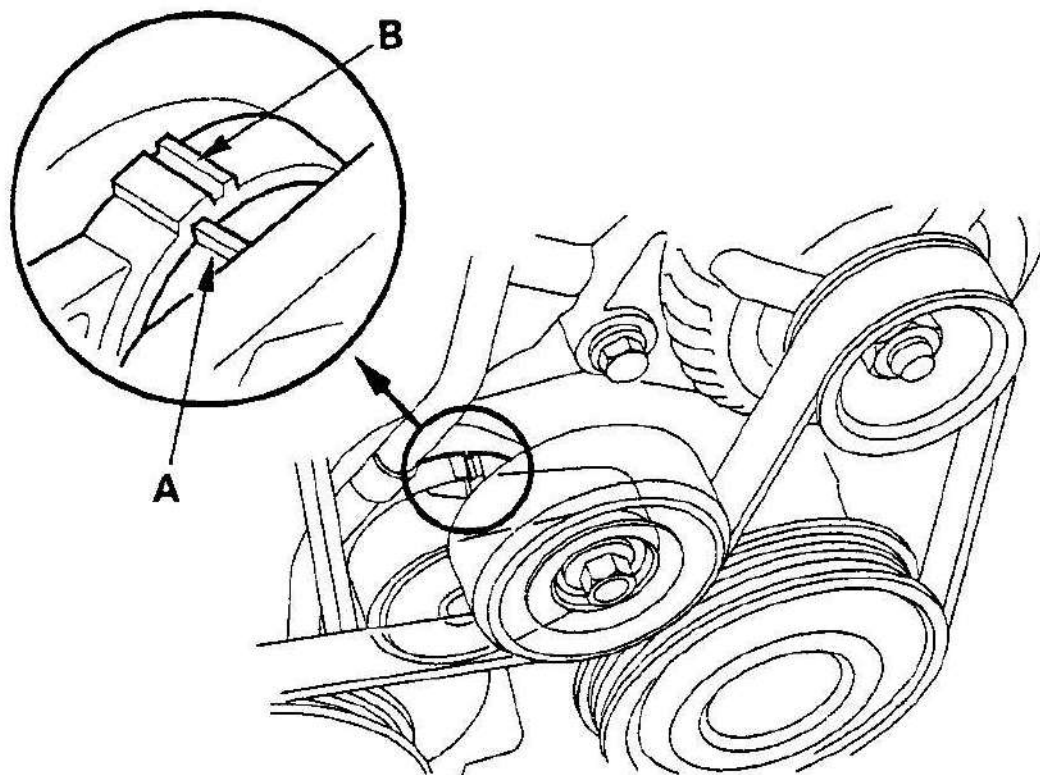
DRIVE BELT ADJUSTMENTS

A/C COMPRESSOR & ALTERNATOR BELT

NOTE: Letters in parenthesis correspond to letters in figures.

Drive belt adjustment is not required as MDX is equipped with an automatic drive belt tensioner. Use the following procedure to check tensioner position and for belt replacement.

1. Inspect the belt for cracks and damage. If the belt is cracked or damaged, replace it.
2. Check that the pointer (A) on the auto-tensioner housing is not beyond the edge of the indicator rib (B) on the tensioner base. See **Fig. 2**.
3. Move the auto-tensioner (A) to relieve tension from the alternator belt (B) and remove the alternator belt.
4. Install the new belt in the reverse order of removal.



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Fig. 2: A/C Compressor/Alternator Belt Automatic Tensioner
Courtesy of AMERICAN HONDA MOTOR CO., INC.

POWER STEERING BELT

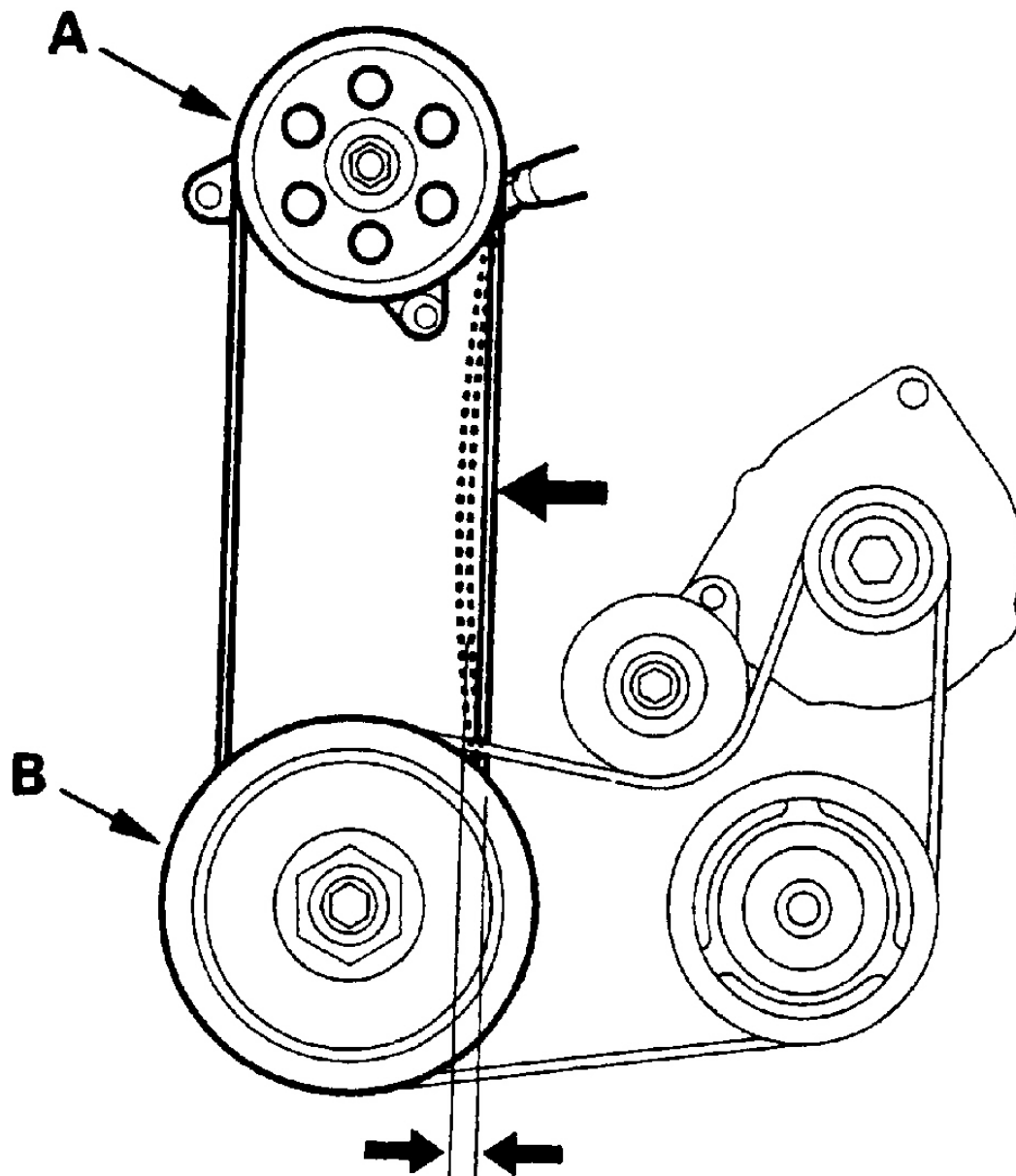
2002 Acura MDX

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NOTE: Check for belt damage. If necessary, replace belt. New belt refers to a belt which has been used less than five minutes on a running engine. Used belt refers to a belt which has been used on a running engine for five minutes or more.

Deflection Method

1. Apply a force of lbs. (98 N) and measure the deflection between the power steering pump pulley (A) and crankshaft pulley (B) as shown in **Fig. 3** .
2. Adjust belt to specifications. See **POWER STEERING BELT ADJUSTMENT SPECIFICATIONS - DEFLECTION METHOD** table and **BELT ADJUSTMENT PROCEDURE** . If a new belt is installed, run the engine for 5 minutes, then readjust the belt to the used belt specifications.



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Fig. 3: Adjusting Power Steering Pump Drive Belt - Deflection Method
Courtesy of AMERICAN HONDA MOTOR CO., INC.

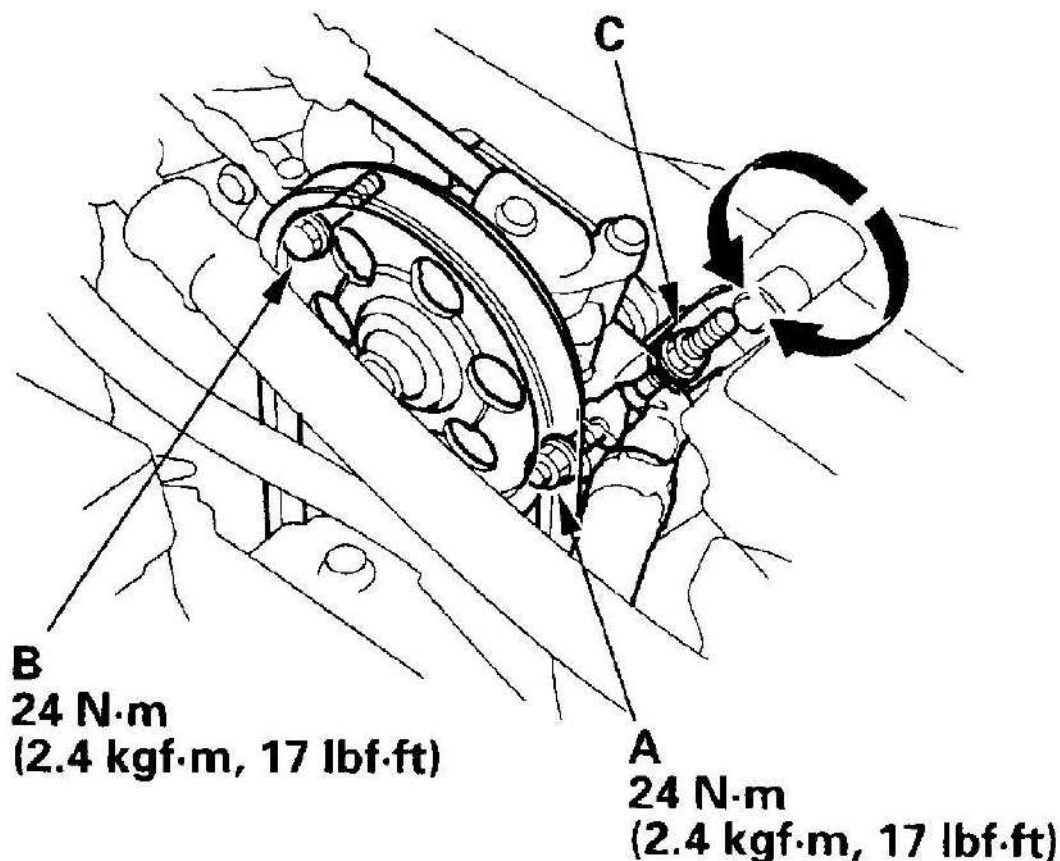
Belt Tension Gauge Method

1. Attach belt tension gauge to belt with gauge pointing toward engine. See **Fig. 1** . Measure belt tension.
2. Adjust belt to specifications. See **POWER STEERING BELT ADJUSTMENT SPECIFICATIONS** -

BELT TENSION GAUGE METHOD table and **BELT ADJUSTMENT PROCEDURE** . If a new belt is installed, run the engine for 5 minutes, then readjust the belt to the used belt specifications.

Belt Adjustment Procedure

1. Loosen power steering pump mounting nut (A) and bolt (B) as shown in **Fig. 4** . Turn adjusting nut (C) to adjust tension. When correct tension is achieved, tighten mounting nut and bolt to specifications as shown in **Fig. 4** .
2. If a new belt is installed, run the engine for 5 minutes, then readjust the belt to the used belt specifications.



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Fig. 4: Adjusting Power Steering Belt
Courtesy of AMERICAN HONDA MOTOR CO., INC.

ADJUSTMENT SPECIFICATIONS

POWER STEERING BELT ADJUSTMENT SPECIFICATIONS - DEFLECTION METHOD

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Application	INCH (mm)
Power Steering Belt	
New Belt	0.33-0.43 (8.5-11.0)
Used Belt	0.51-0.65 (13.0-16.5)

POWER STEERING BELT ADJUSTMENT SPECIFICATIONS - BELT TENSION GAUGE METHOD

Application	Lbs. (N)
Power Steering Pump Belt	
New Belt	165-198 (740-880)
Used Belt	88-121 (390-540)