

**DRIVE BELT SQUEAKS****TECHNICAL SERVICE BULLETIN**

Reference Number(s): 10-035, Date of Issue: July 24, 2012

ACURA: 2007-12 MDX; 2007-08 TL; 2010-12 ZDX

CATEGORY: Engine

APPLIES TO: 2007-12 MDX - ALL; 2007-08 TL - ALL; 2010-12 ZDX - ALL

Superseded Bulletin(s): 10-035, Date of Issue: August 10, 2011



*NOTE: (Supersedes 10-035, dated August 10, 2011)*



*NOTE:*



*A multimedia supplement to the instructions contained in this article is available. To view the multimedia example of the condition described go to; <http://www.youtube.com/user/Mitchell1Tips> then type, "10-035" into the "Search Channel" box.*

**REVISION SUMMARY**

- Under CORRECTIVE ACTION and PARTS INFORMATION, ZDX was added.
- Under WARRANTY CLAIM INFORMATION, the model information and the failed part number were changed.
- Under REPAIR PROCEDURE A, ZDX was added and an illustration was added to step 10.

**SYMPTOM**

The drive belt squeaks when the engine is started cold and then idled.

**PROBABLE CAUSE**

The construction of the drive belt and the alignment of the A/C compressor may cause the drive belt to create a squeaking noise when the engine is idling. This usually occurs when the engine is cold or first started.

**CORRECTIVE ACTION****REPAIR PROCEDURE A:**

Replace the drive belt, and install updated A/C compressor mounting bolts.

2007-10 MDX: ALL

2011 MDX: From VIN 2HNYD2...BH500001 thru 2HNYD2...BH512245

2007-08 TL: ALL

2010 ZDX: ALL

2011 ZDX: From VIN 2HNYB2...BH500001 thru 2HNYB1...BH500146

REPAIR PROCEDURE B:

Replace the drive belt only.

2011 MDX: From VIN 2HNYD2...BH512246 and Later

2012 MDX: ALL

2011 ZDX: From VIN 2HNYB2...BH500147 and Later

2012 ZDX: ALL

## PARTS INFORMATION

A/C Compressor Mounting Bolts

(MDX - **four** required, TL and ZDX-**three** required):

P/N 90023-R70-A00

Drive Belt (Bando Belt): P/N 38920-RCA-A01

## TOOL INFORMATION

Belt Tension Release Tool (Snap-on): T/N YA9317

## WARRANTY CLAIM INFORMATION

The normal warranty applies.

### WARRANTY CLAIM INFORMATION

OP#	Description	Year/Model	FRT
6141A8	Replace the drive belt, and replace the A/C compressor mounting bolts. (Repair Procedure A)	2007-11 MDX	0.5
		2007-08 TL	0.6
		2010-11 ZDX	0.6
6141B3	Replace the drive belt. (Repair Procedure B)	2011-12 MDX	0.2

Failed Part: P/N 38920-RCA-A03

Defect Code: 03217

Symptom Code: 04201

Skill Level: Repair Technician

## DIAGNOSIS

Start the engine cold with the A/C on, and listen for the noise. If you don't hear the noise, try turning the A/C off. Compare the noise to the audio clip below. If needed, confirm the source of the noise by removing the drive belt and briefly restarting the engine.



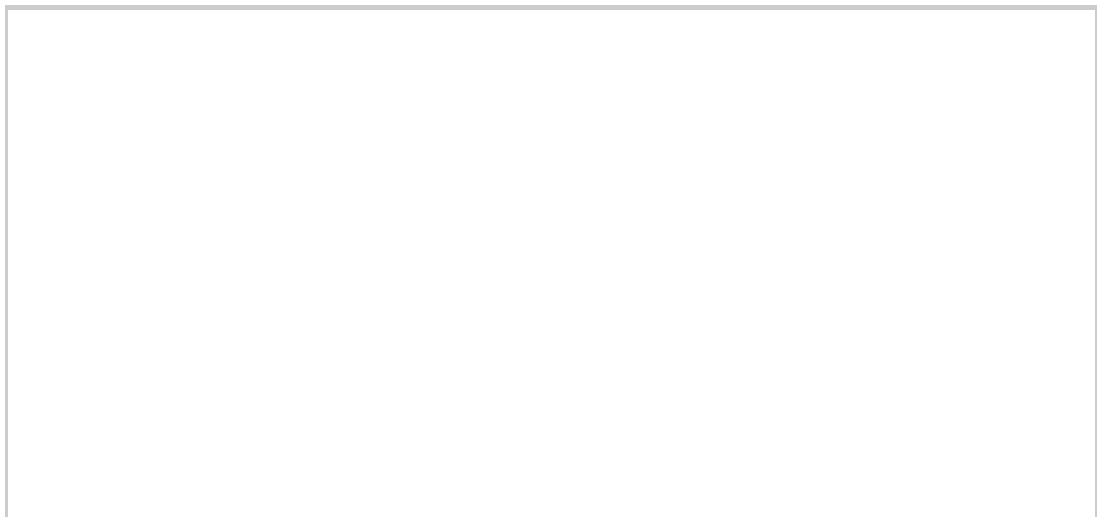
A multimedia supplement to the instructions contained in this article is available. To view the multimedia example of the condition described go to; <http://www.youtube.com/user/Mitchell1Tips> then type, "10-035" into the "Search Channel" box.

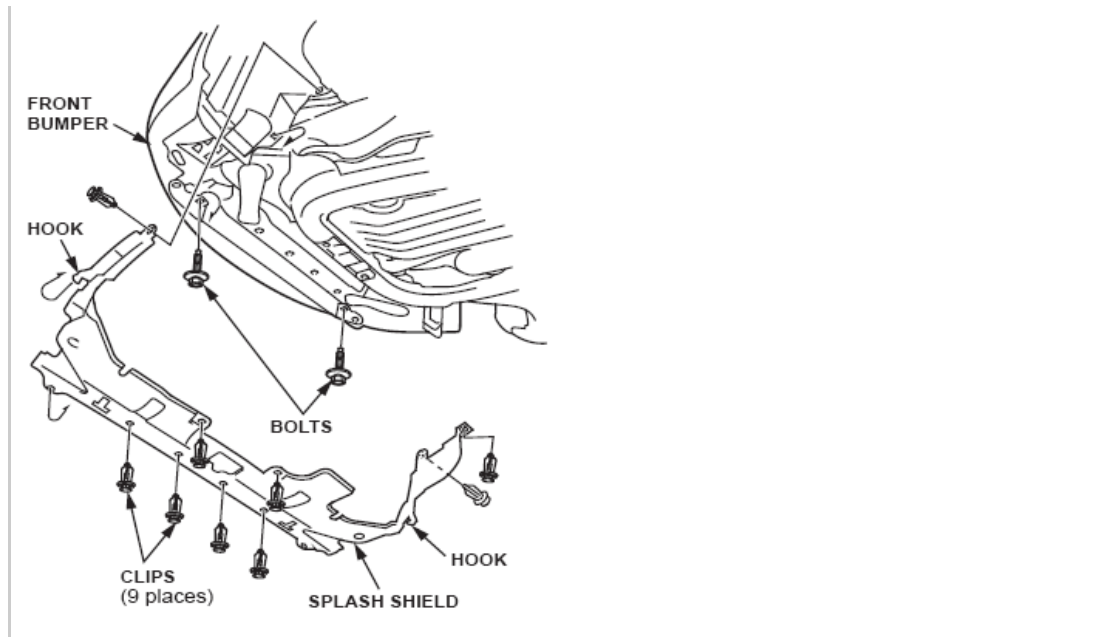
## REPAIR PROCEDURE A



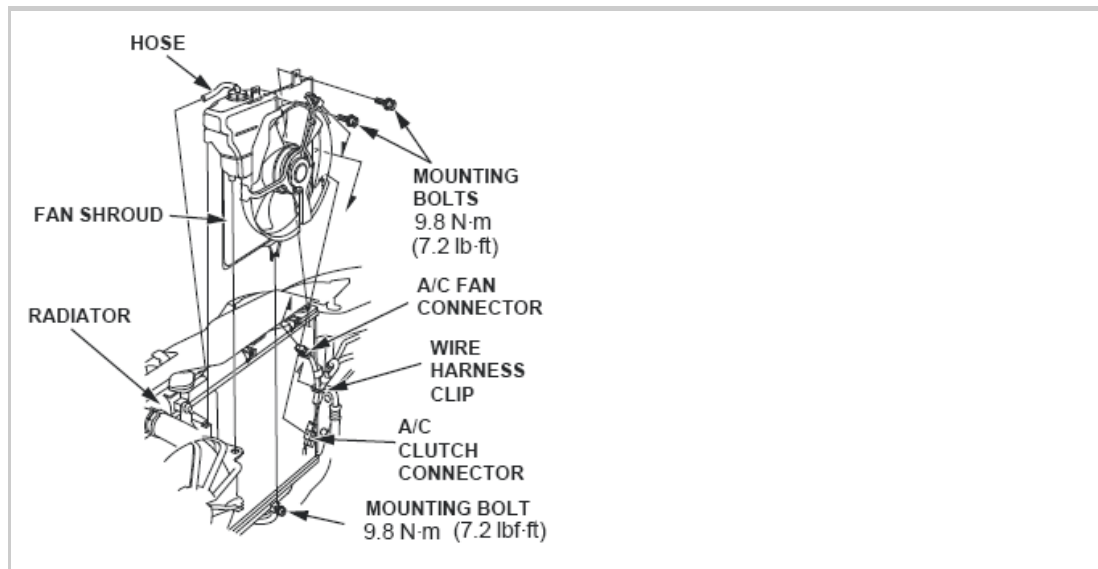
*NOTE: The TL is shown; the MDX and ZDX are similar.*

1. Raise the vehicle on the lift.
2. Remove the front splash shield:
  1. Detach the clips.
  2. Remove the bolts from under the front bumper.

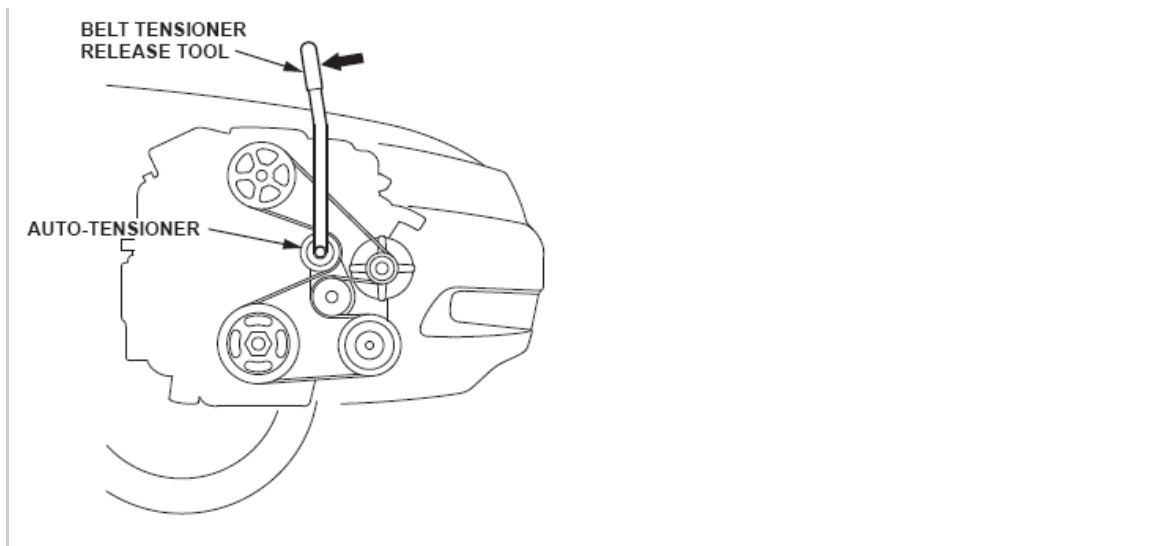




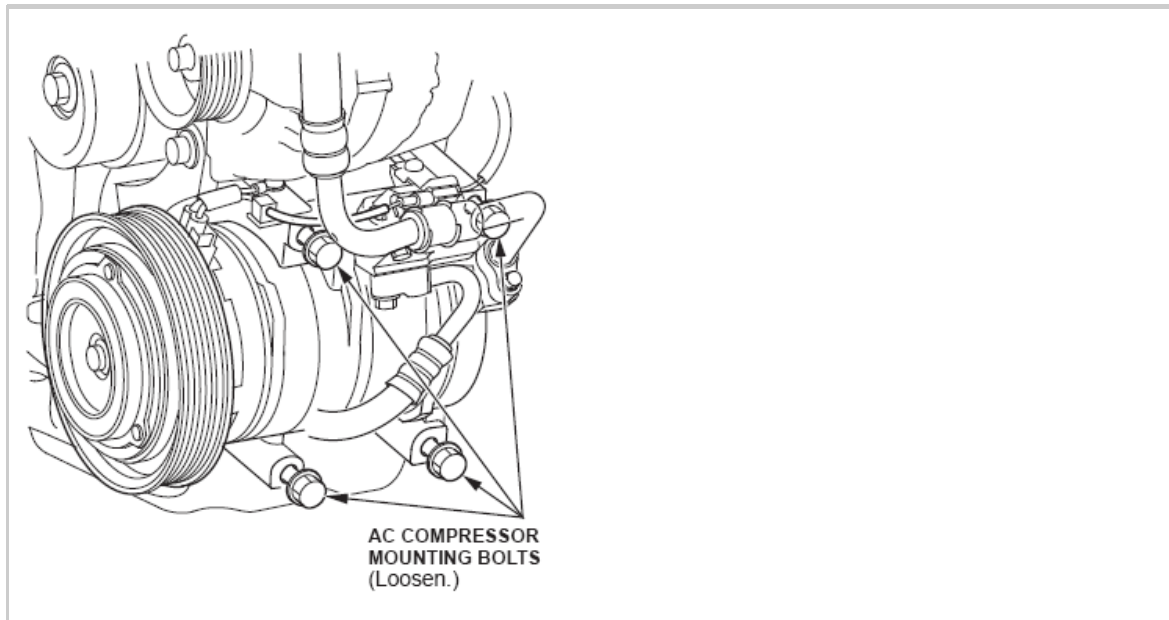
3. Lower the vehicle.
4. TL and ZDX: Remove the A/C condenser fan shroud assembly:
  1. Disconnect the A/C condenser fan motor connector, and remove the harness clamp.
  2. Loosen the A/C condenser fan shroud assembly mounting bolts.
  3. Remove the coolant reservoir, then remove the A/C condenser fan shroud assembly.




5. If you did not remove the drive belt during DIAGNOSIS, remove it now.
6. Using the belt tensioner release too, move the auto-tensioner in the direction of the solid arrow to relieve the tension on the drive belt, then remove the drive belt.



7. Raise the vehicle on a lift.
8. Loosen, but do not remove, the A/C compressor mounting bolts.

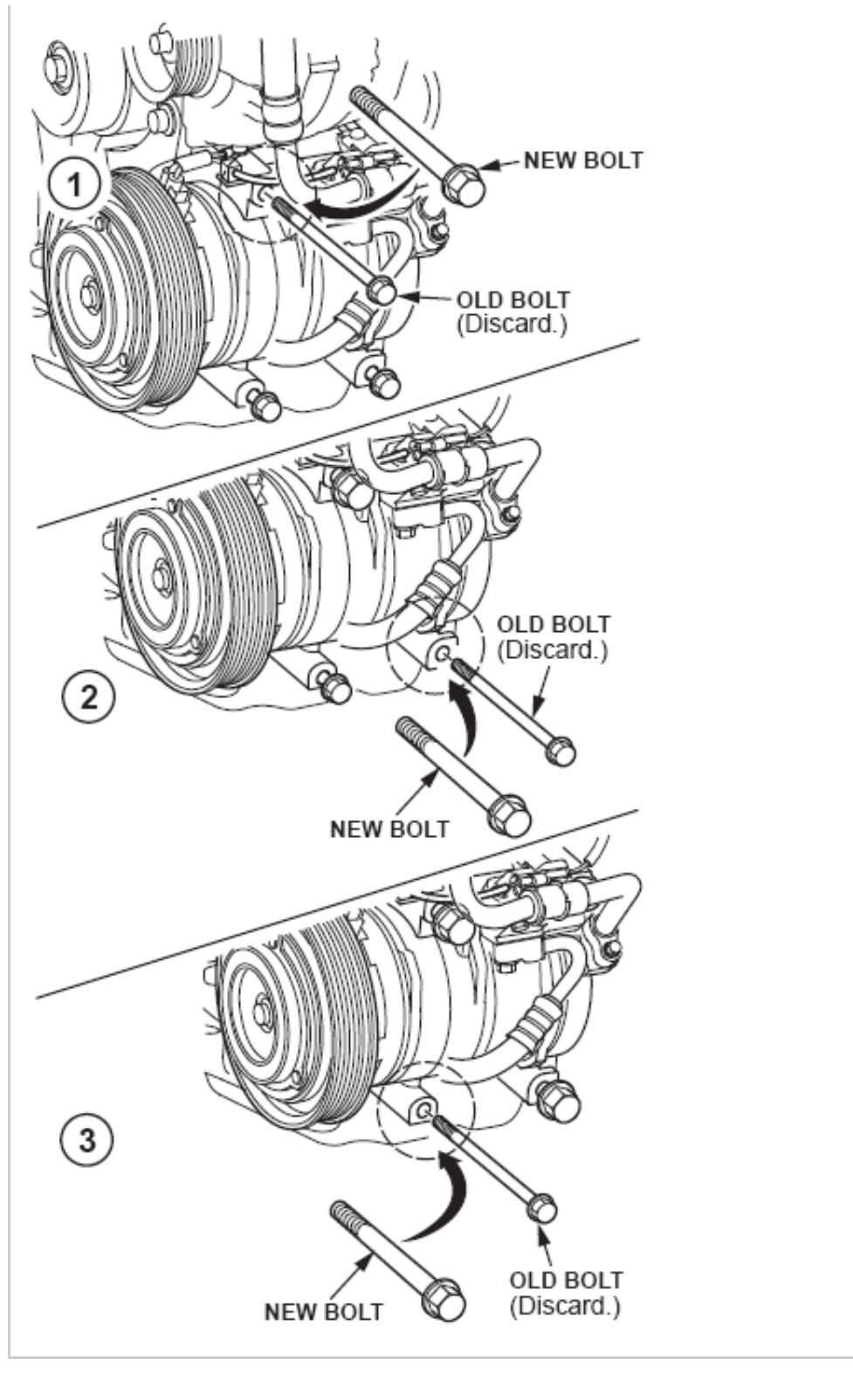


 **NOTE:** ZDX : Remove the 6x16 bolt and slide the suction hose clamp out of the way.

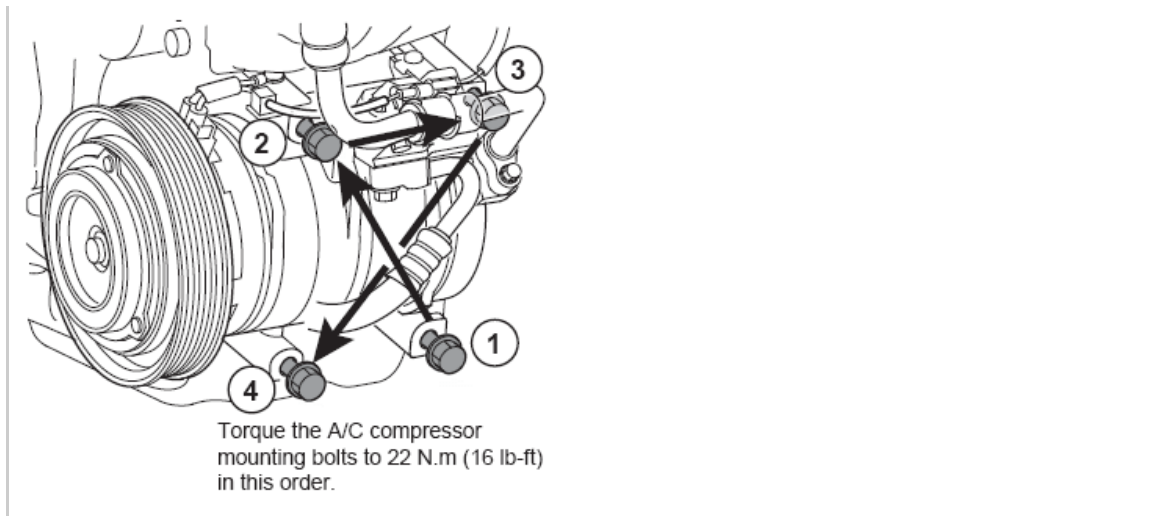
9. Replace the A/C compressor bolts with new bolts, one at a time. Tighten them finger tight. (TL shown)

 **NOTE:**

1. MDX - Replace the four compressor mounting bolts as shown.
2. TL and ZDX- Replace the **accessible** compressor mounting bolts.



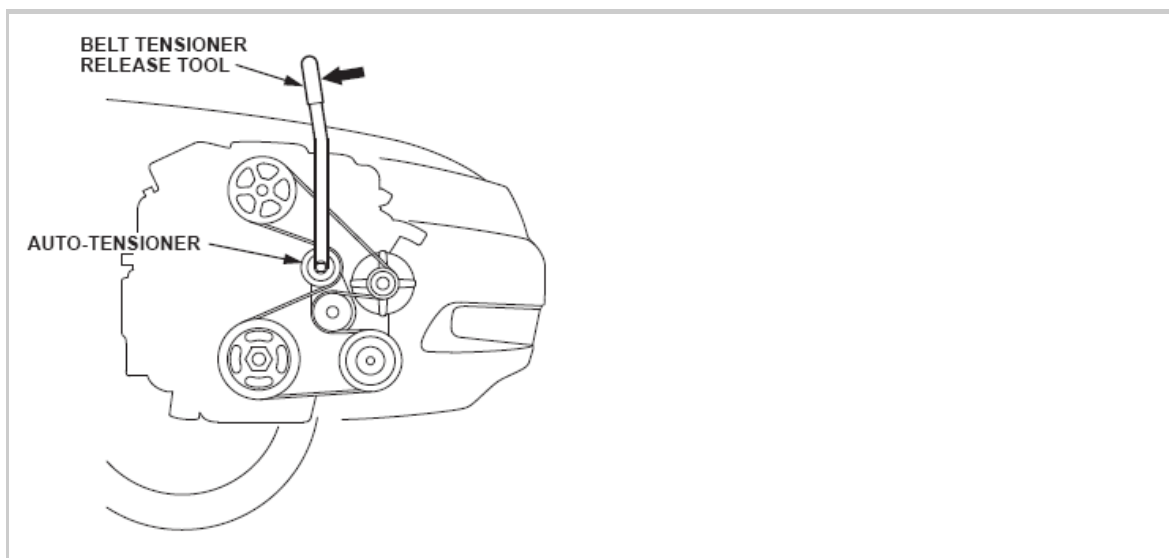
10. When you have replaced the bolts, torque them in a cross pattern to **22 N.m (16 lb-ft)**



11. TL and ZDX: Reinstall the A/C condenser fan.
12. Reinstall the splash shield.
13. Install a new drive belt.

## REPAIR PROCEDURE B

1. Using the belt tensioner release tool, move the auto-tensioner in the direction of the solid arrow to relieve the tension on the drive belt, then remove the drive belt.



2. Install a new drive belt.