

**HYUNDAI**NEW THINKING.
NEW POSSIBILITIES.**Technical Service Bulletin**

GROUP	NUMBER
HVAC	13-HA-002
DATE	MODEL
APRIL 2013	GENESIS (BH), EQUUS (VI)

SUBJECT	A/C COMPRESSOR REPAIR PROCEDURE (PULLEY, DISC & HUB REPLACEMENT)
---------	---

Description: Some vehicles listed below may exhibit the following condition(s) due to an inoperable A/C pulley disc limiter.

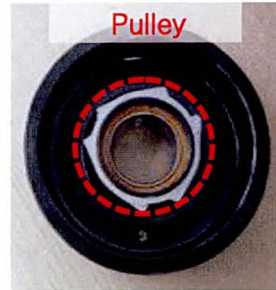
- Noise from the A/C compressor during operation
- A/C compressor is disconnected internally and A/C system is inoperable

Follow the procedure outlined in this bulletin to replace the A/C Pulley Assembly and the A/C Disc & Hub Assembly to correct this condition.

***** DO NOT REPLACE THE ENTIRE A/C COMPRESSOR TO REPAIR THIS CONDITION. *****



Replace only the affected parts shown.

**Pulley****Disc & Hub****Applicable Vehicles:**

- 2009 MY and later Genesis (BH) vehicles produced between 4/30/2008 through 7/24/2012
- 2011 MY and later Equus (VI) vehicles produced between 7/13/2010 through 7/24/2012

Parts Information:

Part Name	Part Number	QTY	Description
Pulley Assy - A/C Compressor	97643-3M000	1	
Disc & Hub Assy - A/C Compressor	97644-3M000	1	

Warranty Information:

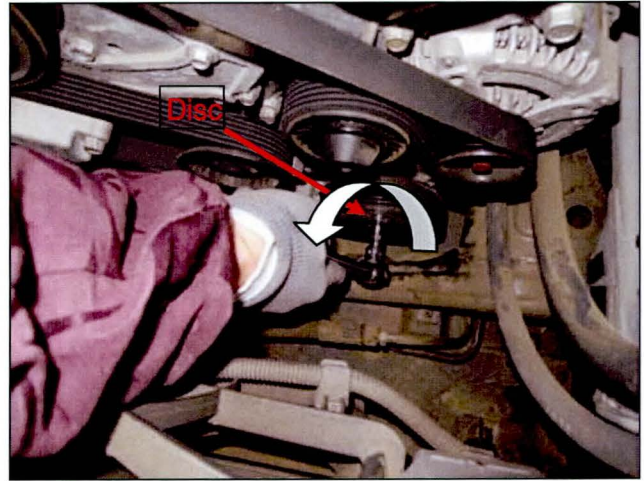
Op Code	Operation	Op Time	Causal Part #	Nature Code	Cause Code
97705R0B	Pulley Assembly	0.7 M/H	97644-3M000	N29	C06

REPAIR PROCEDURE

1. Prepare the vehicle for underhood repair work.
2. Remove the cooling fan and the serpentine belt.
3. Remove the 8mm center bolt from the A/C compressor and disc.

**NOTICE**

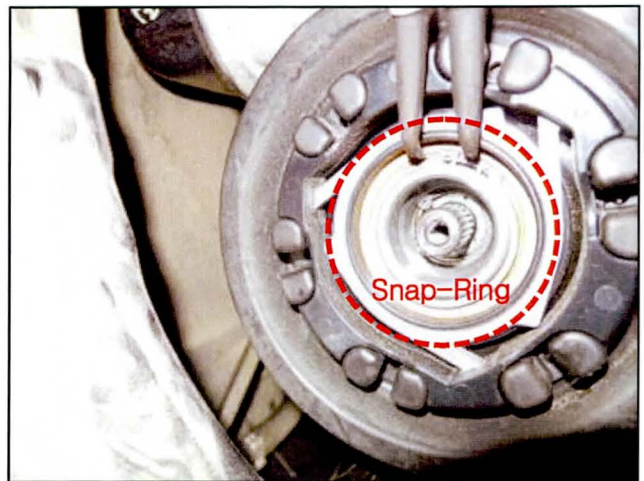
Take extra care to prevent damaging this bolt.



4. Remove the disc and then disassemble the external snap-ring to release the pulley.

**NOTICE**

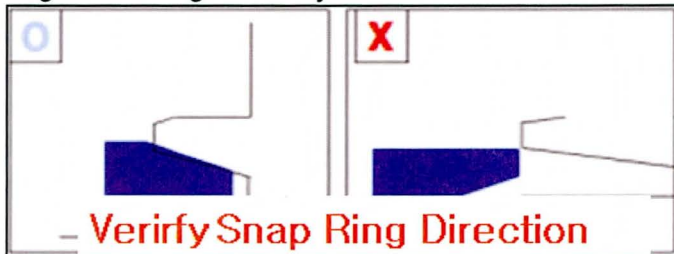
Use a snap-ring plier and take extra care to prevent bearing damage.



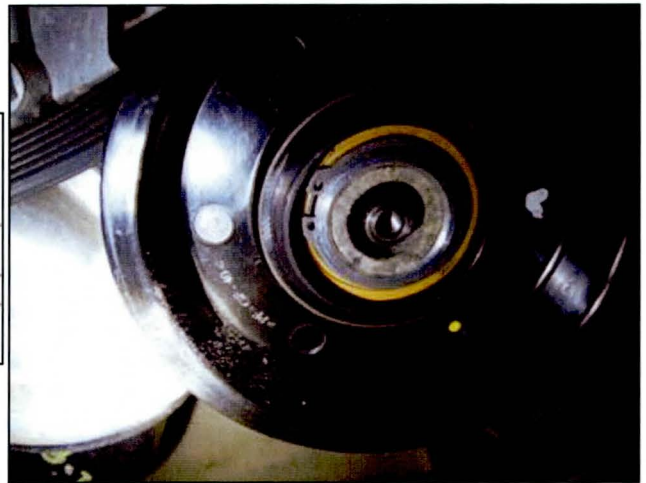
5. Remove the pulley from the A/C compressor.
 - Clean off any debris from the snout of the compressor.



6. Position the new pulley onto the A/C compressor and reinstall the snap-ring with the facing bevel edge matching correctly as shown below.

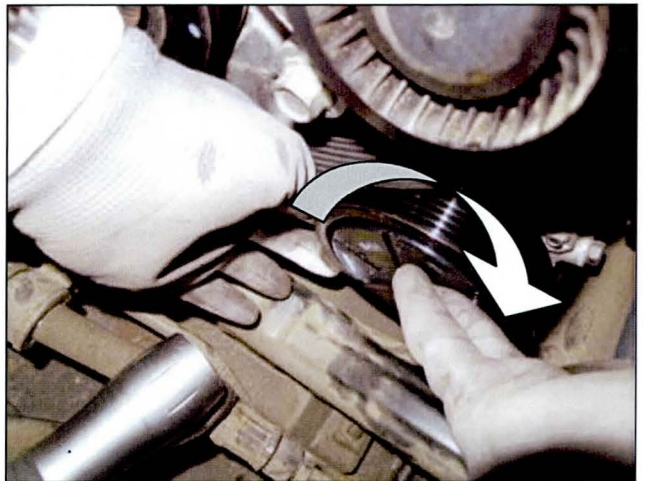


- Reinstall the serpentine belt at this time.

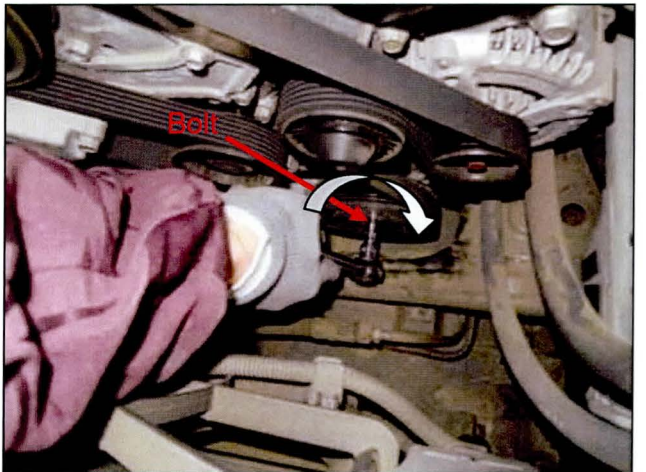


7. Install the new disc.

- To assemble onto the pulley, rotate the disc clockwise while gently pushing towards the compressor.



8. Reinstall the 8mm center bolt from the A/C compressor and disc.
- Tighten the bolt to 9.2 lb.ft (12.5 N.m).



9. Reinstall the cooling fan.

10. Verify repair.

- Start the engine with the A/C off.
 - Visually check whether the disc and pulley is rotating properly without slipping.
 - Check for any unusual noise.
- Turn the A/C on to maximum cold setting.
 - Verify that the A/C compressor operates by confirming cold airflow from the vents.
- If any issues are found, then turn off the engine. Carefully recheck the repair work.