

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

GROUP	NUMBER
HVAC	13-HA-002-1
DATE	MODEL
SEPTEMBER 2013	GENESIS (BH), EQUUS (VI)

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

NOTE: This TSB supersedes 13-HA-002 due to a revision in the service procedure.

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

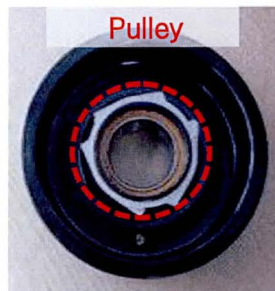
- Noise from the A/C compressor during operation
- A/C compressor is disconnected internally and A/C system is inoperable

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

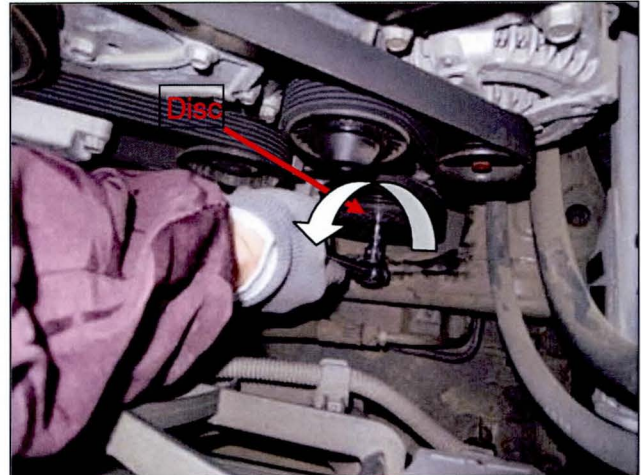
Circulate To: Service Manager, Warranty Manager, Service Advisors, Technicians, Fleet Repair

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**

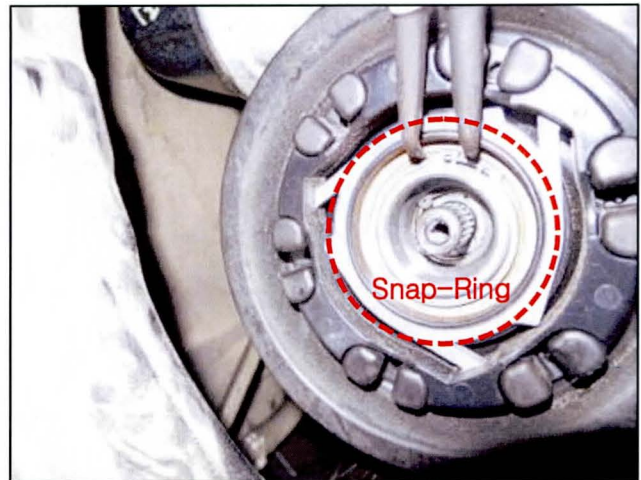
Take extra care to prevent damaging this bolt.



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

**NOTICE**

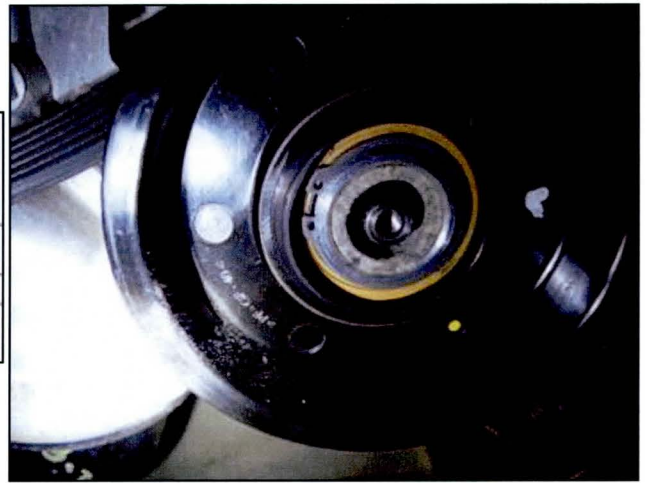
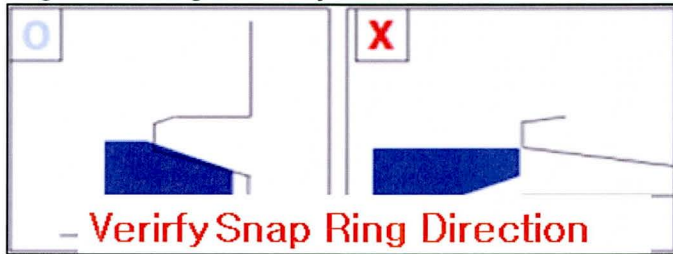
Use a snap-ring plier and take extra care to prevent bearing damage.



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

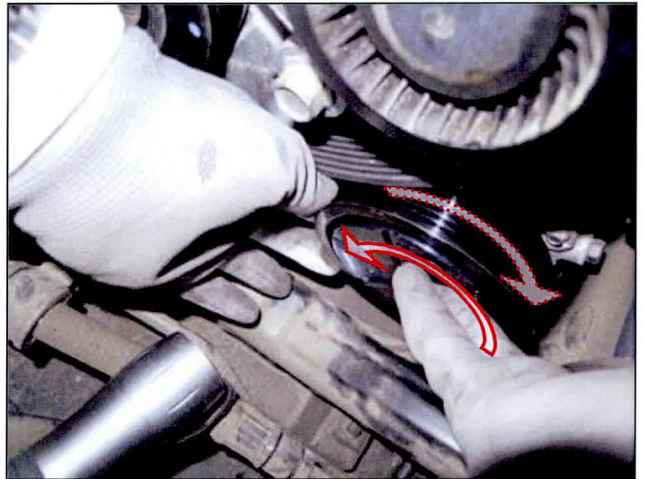


6. Position the new pulley onto the A/C compressor and reinstall the snap-ring with the facing bevel edge matching correctly as shown below.

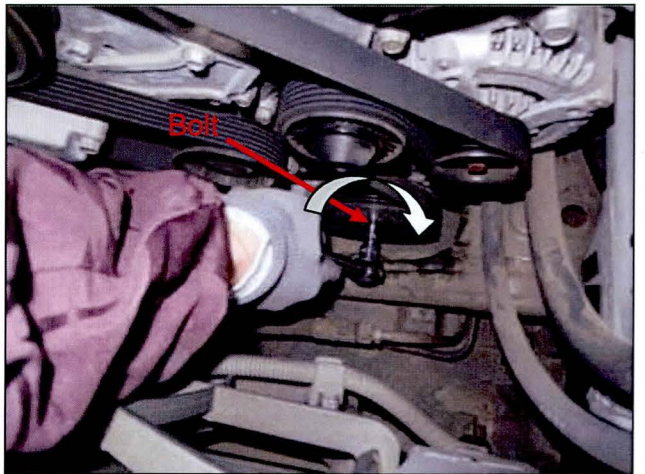


7. Install the new disc.

- To assemble disc onto the pulley, rotate the disc **counterclockwise** (solid arrow on the right as shown) while gently pushing towards the compressor.
- At the same time, rotate the pulley slightly **clockwise** (dotted arrow on the right as shown) to assist the proper seating of the disc onto the pulley.
- Reinstall the serpentine belt at this time.



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, turn off the engine and carefully recheck the repair work.