



GROUP
ENG

MODEL
2014-16MY Forte (YD)

NUMBER
157

DATE
July 2016

TECHNICAL SERVICE BULLETIN

SUBJECT: ENGINE VIBRATION AT IDLE

This bulletin provides the procedure to replace the alternator pulley. Some 2014-16MY Forte (YD) vehicles with 1.8L and 2.0L Nu engines may experience an unusual engine vibration at idle that is sometimes more prevalent under certain electrical loads. To correct this concern, replace the existing alternator pulley with a new one following the Service Procedure below.



Old



New

*** NOTICE**

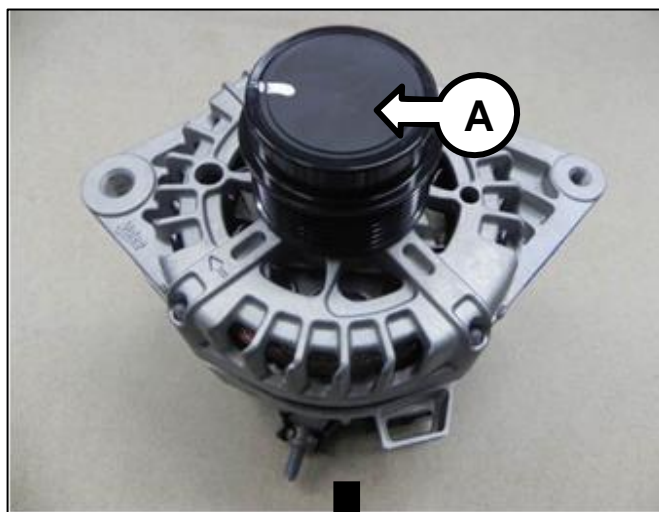
Refer to “Engine Electrical System→ Charging System→ Alternator→ Repair procedures→ Removal” chapter of the applicable workshop manual for the steps to the removal and installation of the alternator.

File Under: Service Campaign

Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

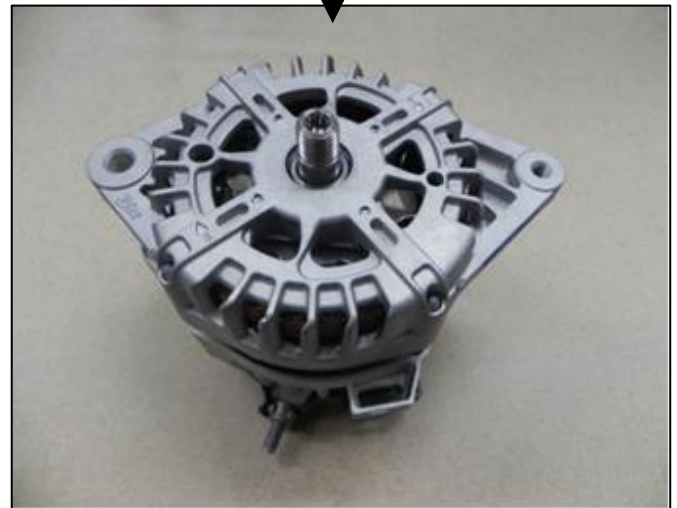
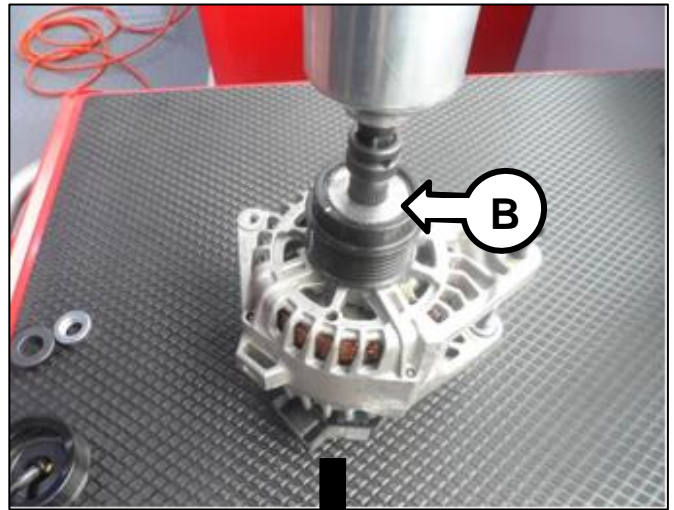
Service Procedure:

1. Remove the pulley cap (A).

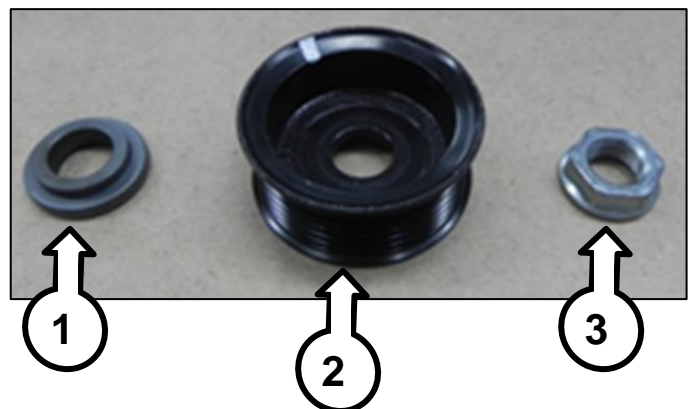


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2. Use the special service tool (SST) (09373-27000) to remove the old pulley (B). Discard the old pulley.



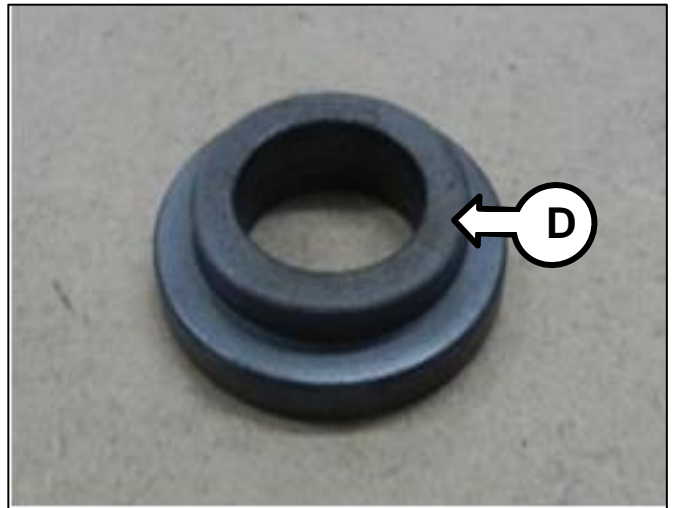
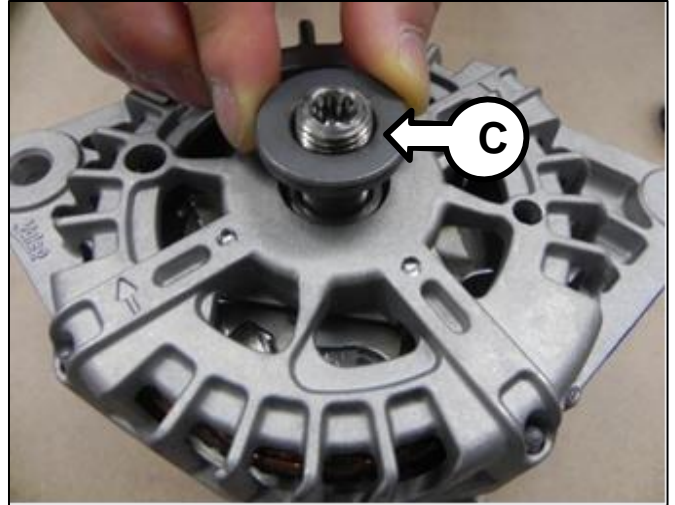
3. Locate the components supplied in the new kit (i.e., spacer, pulley, and nut).

**1. Spacer****2. Pulley****3. Nut**

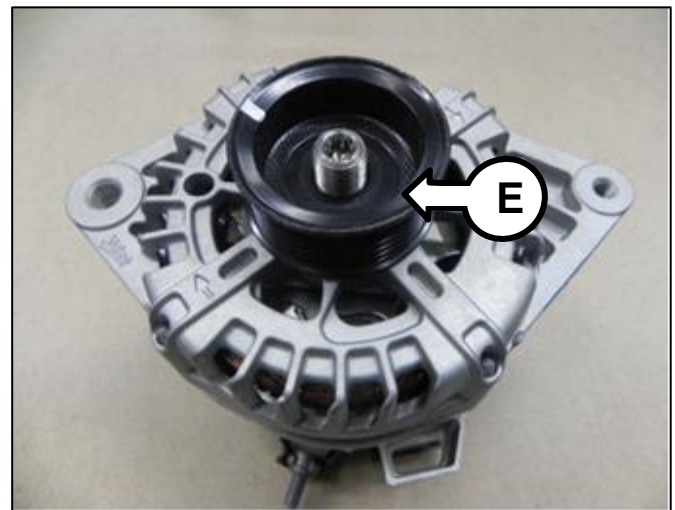
4. Install the new pulley spacer (C) onto the alternator as shown.

*** NOTICE**

Install the spacer in the correct orientation. The lip (D) of the spacer must face the body of the alternator (flat side up.)



5. Install the new pulley (E) on the alternator.



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6. Tighten the new pulley nut (F) to the specified torque using a torque limiting impact extension, or equivalent tool.

Tightening torque:
59 lb-ft (80.0 N.m, 8.2 kgf.m)

★ NOTICE

Install the alternator by referring to “Engine Electrical System→Charging System→Alternator→Repair procedures→Installation” chapter in the applicable workshop manual.

7. Make sure that the alternator is functioning correctly, after starting the engine.

★ NOTICE

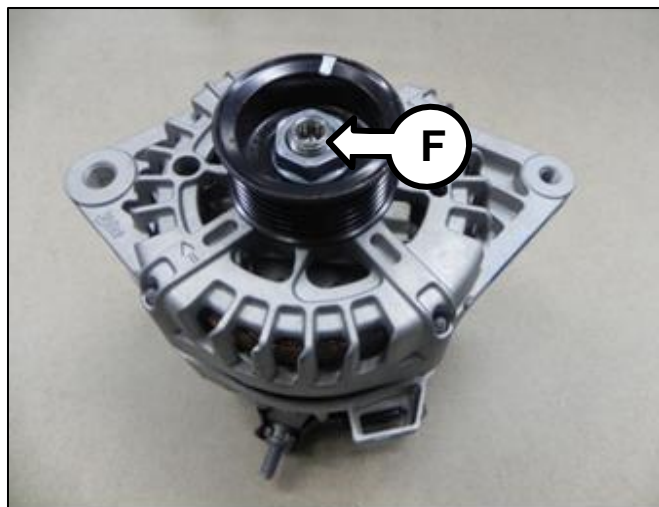
After installing the new components, the belt tension measured between the crankshaft pulley and the air conditioner pulley is as follows:

New belt:

637.4 ~ 735.5 N (65 ~ 75 kgf,
 143.3 ~ 165.3 lbf)

Used belt:

441.3 ~ 539.4 N (45 ~ 55 kgf,
 99.2 ~ 121.3 lbf)



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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Forte (YD)	2014 – 16MY

REQUIRED PART:

Part Name	Part Number	Remarks
SST – Special Service Tool		This SST is used to remove the existing pulley. SST can ordered through SnapOn Business Solutions, if not available. (888) 542-1011)
	09373-27000	

PARTS INFORMATION:

Part Name	Part Number		Remarks
	Previous	New	
Alternator Pulley			New components (solid type): Spacer, Pulley, Nut.
	37320-2E000	37320-2E010FFF	

WARRANTY INFORMATION:

Claim Type	Causal P/N	Qty	N Code	C Code	Repair Description	Labor Op Code	Op Time
W	37320 2E000	0	N21	C14	Alternator Pulley Replacement	37320F01	0.6 M/H