



GROUP

MODEL

ENG

2020-2024MY
Forte (BDm) and
2020-2022MY
Soul (SK3)
w/Gamma 1.6L T-GDI

NUMBER

DATE

263

August 2026

TECHNICAL SERVICE BULLETIN

SUBJECT:

MISFIRE CONCERN DUE TO
OVERRUNNING ALTERNATOR DECOUPLER

This bulletin provides information to address unresolved misfire events on some 2020-2024MY Forte (BDm) produced from January 1, 2019 through September 30, 2024, and 2020-2022MY Soul (SK3) vehicles produced from November 1, 2018 through May 31, 2022 equipped with a Gamma 1.6L T-GDI engine. In certain cases, misfire symptoms may persist after completing normal diagnostic procedures and replacing ignition-related components (spark plugs, ignition coils, and fuel injectors). If misfire concerns remain after these repairs are performed, excessive torsional oscillation of the Overrunning Alternator Decoupler (OAD) pulley may be the contributing factor. This bulletin provides the procedure to replace the OAD pulley with the updated Overrunning Alternator Pulley (OAP) kit and associated damper components.

DTC Descriptions:

P030000 - Random/Multiple Cylinder Misfire Detected

P030100 - Cylinder 1 Misfire detected

P030200 - Cylinder 2 Misfire detected

P030300 - Cylinder 3 Misfire detected

P030400 - Cylinder 4 Misfire detected

❶ IMPORTANT

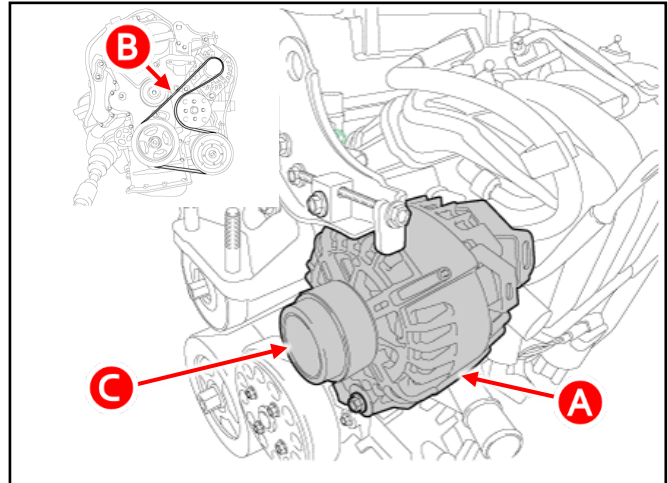
A **Vehicle Diagnosis Number (VDN)** must be created prior to replacement of the OAP and Damper Kit. If a VDN is not created, Parts Ordering and Warranty claim submission issues WILL occur.

📄 NOTICE

A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Inspection Procedure:

1. Open the hood and disconnect the 12V battery negative (-) terminal.
2. Remove the alternator assembly (A) and the drive belt (B) by referring to "Engine Electrical System → Charging System → Alternator → Repair procedures" in the applicable Shop Manual on KGIS.
3. Remove the OAD cap (C).



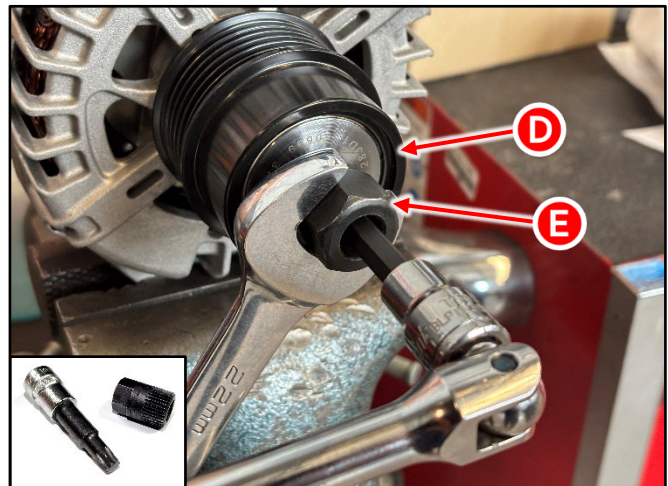
4. Remove the OAD (D) using the Alternator Pulley Remover/Installer (E).

Required SST: 09373 27000

Note: To remove pulley, hold the open wrench (counter-clockwise) while turning the Torx Bit Driver Socket clockwise.



Tightening torque for OAD/OAP T50 (X):
55.7 - 60.0 lb.ft (75.5 - 81.4 N.m)

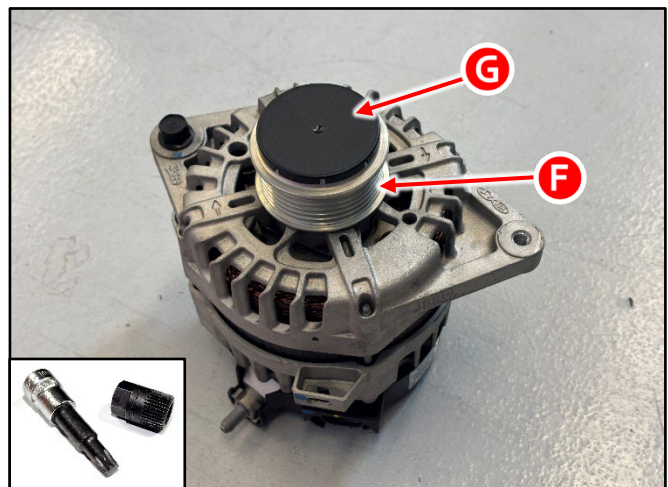


5. Install the 'new' parts included in the OAP kit to the alternator assembly:

- OAP (F)
- OAP Cap (G)

Required SST: 09373 27000

6. Reinstall the alternator assembly in the reverse order of removal.



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6. Replace the crankshaft damper pulley (H) with a new part included in the OAP kit by referring to "Engine Mechanical System → Drive Belt System → Crankshaft Damper Pulley → Repair procedures" in the applicable Shop Manual on KGIS.

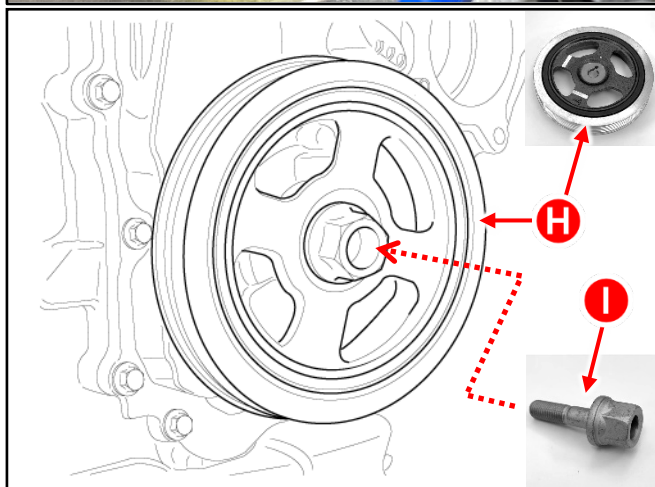
**Required SST: Both 09231 3N100
and 09231 2B100**

❗ IMPORTANT

Install the supplied 'new' crankshaft damper pulley bolt (I) included in the OAP kit.

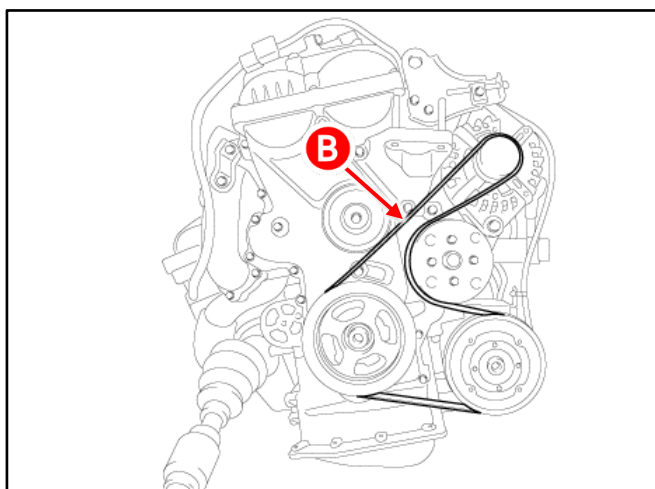


Tightening torque for nut/bolt (I):
36.2 lb.ft (49.0 N.m) plus +53° degrees



7. Install the new supplied drive belt (B) included in the OAP kit.

Note: Correct routing of the drive belt (B).



8. Reinstall all removed parts in the reverse order of removal.
9. Clear ECU for misfire DTC's. using KDS.
10. Verify normal operation of the vehicle.

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Forte (BDm)	January 1, 2019 to September 30, 2024
Soul (SK3)	November 1, 2018 to May 31, 2022

REQUIRED TOOL:

Tool Name	Part Number	Figure	Comments
Alternator Pulley Remover/Installer	09373 27000		For OAD Removal (Drawer 12)
Ring Gear Stopper and Adapter	09231 3N100 and 09231 2B100		For Damper Pulley Removal (Drawer 13)

For replacement SST's, contact Snap-on Business Solutions at (888) 542-1011.

REQUIRED PART:

Part Name	Part Number	Figure	Qty.	Comments
OAP and Damper Kit	37322 04631FFF		1	Required Kit PN
OAP	37322 04630		1 ea.	Parts included in the OAP & Damper Kit PN 37322 04630FFF DO NOT Order Kit Parts Separately
OAP Cap	37322 04635			
Damper Pulley	23123 2B725			
Damper Pulley Bolt	23127 2B700			
Drive Belt	25212 2B180			

Note: The replacement FFF/QQK part numbers will require a VIN entry for parts ordering. **DO NOT order this parts kit for stocking purposes, related to this field fix repair.** Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers. Please be sure to expedite warranty claim filing.

WARRANTY INFORMATION:

N Code: E51 C Code: ZZ3

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
BDm	W	37320 2B100	0	DTC Scan/Clearing + OAP and Damper Kit Installation	37322F00	1.5 M/H	37322 04631FFF	1
SK3						1.7 M/H		

Note: Once the repair is performed and the Overrunning Alternator Pulley (OAP) kit is installed, TSB ENG263 is complete. Any subsequent or follow-up concerns must be addressed according to normal Service/Warranty Guidelines. For Substitute Transportation policy, please refer to [Service Policy and Procedures Manual \(SPPM\) 6.11 "Kia Substitute Transportation"](#).