



GROUP

MODEL

Subsequent Repair Action

2020-2021MY
Soul (SK3)
2021MY
Seltos (SP2)

NUMBER

DATE

SC209Y (Rev 1, 04/06/2022)

March 2022

SUBSEQUENT REPAIR ACTION

ENGINE REPLACEMENT INSTRUCTIONS FOR PISTON RING NOISE DTC P1327 (SC209Y)

NOTICE

This bulletin has been revised to include additional information. New/revised sections of this bulletin are indicated by a black bar in the margin area.

This bulletin provides information related to the Technical Service Bulletin previously published in (SC209A) titled "ECM Logic Improvement for Piston Ring Noise Sensing System". If DTC P1327 is present after the ECM Logic Improvement is performed per SC209A, follow the instructions in this bulletin to replace the engine long block. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.

DTC Description:

P1327 / P132700 - Piston Noise Detection

Model	Engine	Production Date Range
Soul (SK3)	2.0L Nu MPI (Atkinson)	November 24, 2018 to October 24, 2020
Seltos (SP2)		November 20, 2019 to October 15, 2020

IMPORTANT

A Vehicle Diagnosis Number (VDN) must be created with or without DTC P1327, after scanning for DTCs, prior to performing SC209Y. If a VDN is not created, Warranty claim submission issues WILL occur.

NOTICE

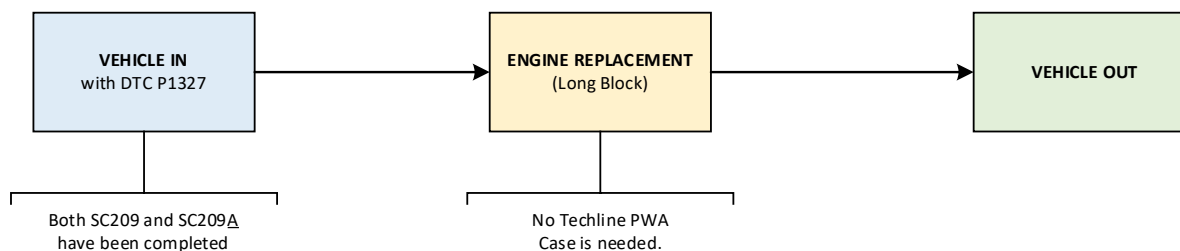
To assure complete customer satisfaction, always remember to refer to WebDCS Warranty Coverage (validation) Inquiry Screen (Service → Warranty Coverage → Warranty Coverage Inquiry) for a list of any additional campaigns that may need to be performed on the vehicle before returning it to the customer.

A printed copy is for reference only; publication information can be updated at any time.
Always refer to KGIS for the latest information. After logging in kdealer.com, the newest technical publications are listed in 'Service Releases' and has the latest service information that has been released.

SUBJECT:

ENGINE REPLACEMENT INSTRUCTIONS FOR PISTON RING NOISE DTC P1327 (SC209Y)

Flowchart:



❶ IMPORTANT

Campaigns SC209 (Engine Vibration Inspection/Repair Procedures) and SC209A must be completed & submitted prior to addressing concerns associated with DTC P1327 under SC209Y.

Replacement Procedure:

1. Replace the engine long block by referring to the "Engine mechanical System → Engine and Transaxle Assembly → Engine and Transaxle Assembly → Repair procedures" chapter in the applicable Shop Manual on KGIS.



NOTE:

- Except 'Engine Long Block & Service KIT', all the other parts can be re-used.
- Parts removed that are included in the 'Service Kit' may not be re-use.
- After engine replacement, top-off the engine oil and replace the oil filter & plug gasket.

AFTER ENGINE REPLACEMENT:

TOP-OFF THE ENGINE OIL AS RECOMMENDED.

Engine crankcase oil specification and fill capacity: 5w20 engine oil 2.0L Nu: ~4.23 US Qts.

Required product: Full synthetic type 5w20 API SM, ILSAC GF4 or higher grade.

SUBJECT:

ENGINE REPLACEMENT INSTRUCTIONS FOR PISTON RING NOISE DTC P1327 (SC209Y)

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Soul (SK3)	November 24, 2018 to October 24, 2020
Seltos (SP2)	November 20, 2019 to October 15, 2020

REQUIRED TOOL:

Refer to KGIS for applicable tools required.

REQUIRED PART:

Part Name	Part Number	Figure	Comments
Engine Long Block Nu 2.0L MPI	21101 122ZRQQKR*		SK3 (M/T)
	21101 123ZRQQKR*		SK3 (CVT)
	21101 126ZRQQKR*		SP2 (CVT)

*If the Reman part (QQKR) is not available, you may be allocated a part ending in QQK. If allocated a QQK part, this may be used in the repair and for the related warranty claim submission.

Part Name	Part Number	Figure	Comments
Service Kit	21102 N20AKQQK		Includes PN's below: 23124 2E003 (ALT 23124 2E052) 23127 2E000 26611 2E022 28521 2E000 28313 2EAA0 39250 2E000 11403 08306K 25480 2E000 28491 2E920 28492 2E900 25623 2E000 28751 2B300 13183 12000 94750 37100

SUBJECT:

ENGINE REPLACEMENT INSTRUCTIONS FOR PISTON RING NOISE DTC P1327 (SC209Y)

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Model	Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
SK3 (CVT)	R	23040 2E850	0	(SC209Y) Engine Replacement	210163R1	7.0 M/H	21101 123ZRQQKR* and 21102 N20AKQQK	1
SK3 (MT)					210163R2		21101 122ZRQQKR* and 21102 N20AKQQK	1
SP2 (FWD)					210163R3	6.3 M/H	21101 126ZRQQKR* and 21102 N20AKQQK	1
SP2 (AWD)					210163R4	6.6 M/H		

Note: A **Vehicle Diagnosis Number (VDN)** must be created with or without DTC P1327, after scanning for DTCs, prior to performing SC209Y. If a VDN is not created, Warranty claim submission issues WILL occur.

***NOTE:** You may receive an engine with a part number ending in "QQK" when a part number ending in "QQKR" was ordered. Both part numbers are interchangeable and acceptable in the warranty claim.

Refer to Warranty Bulletin 2022-06 for claim submission procedures.

① IMPORTANT

Campaigns SC209 (PNSS Test & Repair Procedures) and SC209A must be completed & submitted prior to addressing concerns associated with DTC P1327 under SC209Y.

📄 NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference SC209Y when accessing the WebDCS system.