

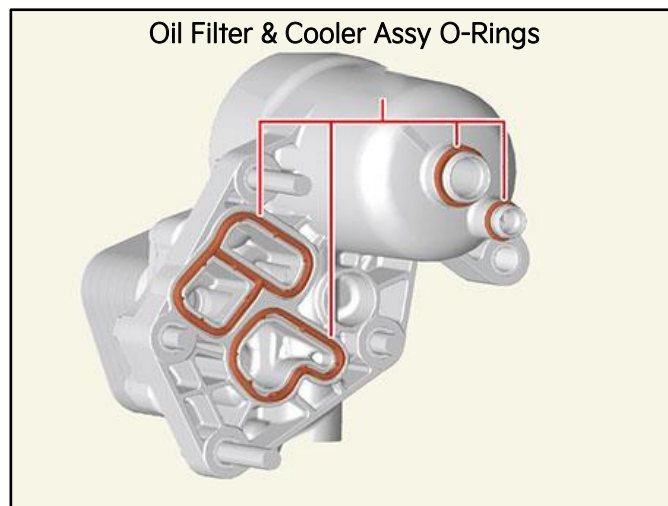


GROUP	MODEL
ENG	2022MY Carnival (KA4)
NUMBER	DATE
240	June 2022

TECHNICAL SERVICE BULLETIN

SUBJECT: **SERVICE ACTION: OIL FILTER AND COOLER HOUSING
O-RING GASKET REPLACEMENT (SA500)**

This bulletin provides information to replace the oil filter and cooler O-ring gaskets on some 2022MY Carnival (KA4) vehicles produced from September 27, 2021 through January 27, 2022, which may exhibit oil leakage due to poor sealing of the oil filter and cooler assembly O-ring gaskets. Follow the procedure outlined in this publication to replace the O-rings and gaskets. Before conducting the procedure, verify that the vehicle is included in the list of affected VINs.



NOTICE

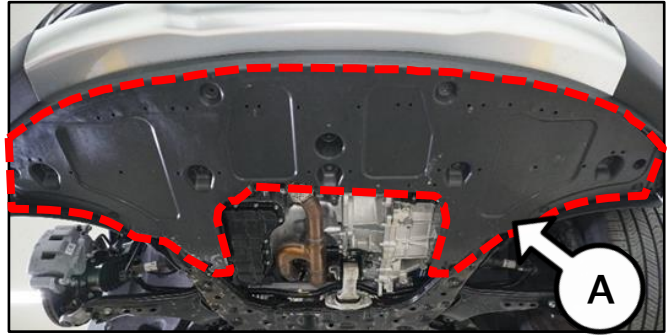
A Service Action is a repair program without customer notification that is performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

Repair status for a VIN is provided on WebDCS (Service → Warranty Coverage → Warranty Coverage Inquiry → Campaign Information). Not completed Recall / Service Action reports are available on WebDCS (Consumer Affairs → Not Completed Recall → Recall VIN → Select Report), which includes a list of affected vehicles.

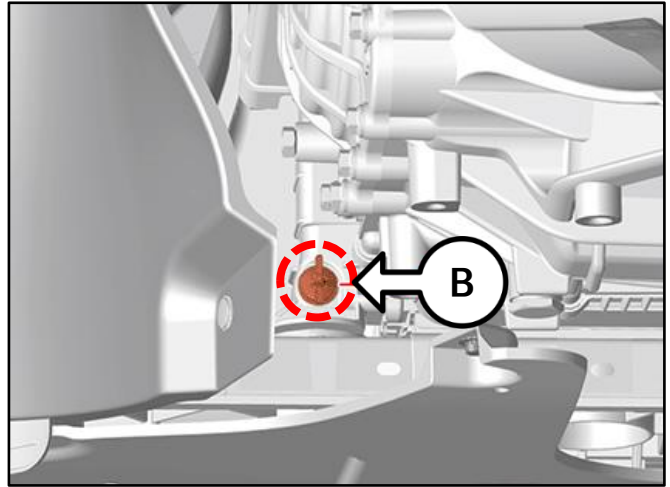
This issue number is SA500.

Repair Procedure:

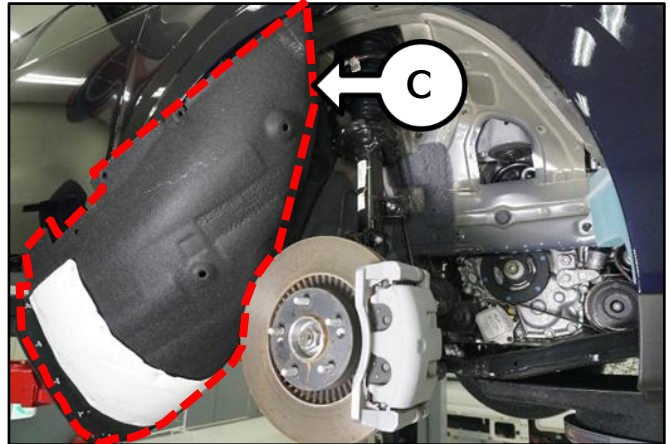
1. Remove the engine under cover (A) by referring to the "Engine Mechanical System → Engine and Transaxle Assembly → Engine Room Under Cover → Removal and Installation" chapter in the applicable Shop Manual on KGIS.



2. Remove the engine coolant drain plug (B) to drain the engine coolant.



3. Remove the right front wheel.
4. Remove the front wheel guard (C) as shown by referring to the "Body (Interior and Exterior) → Body Side Molding → Front Wheel Guard → Removal and Installation" in the applicable Shop Manual on KGIS.

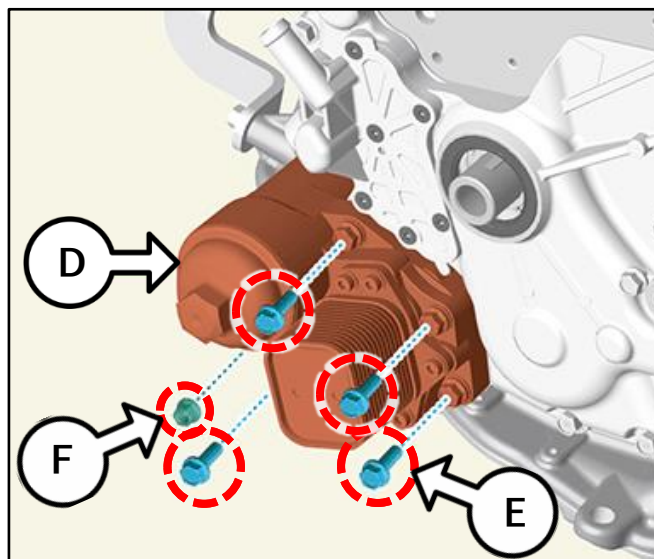


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5. Remove the four (4) oil filter and cooler assembly (D) retaining bolts (E) and retaining one (1) nut (F).



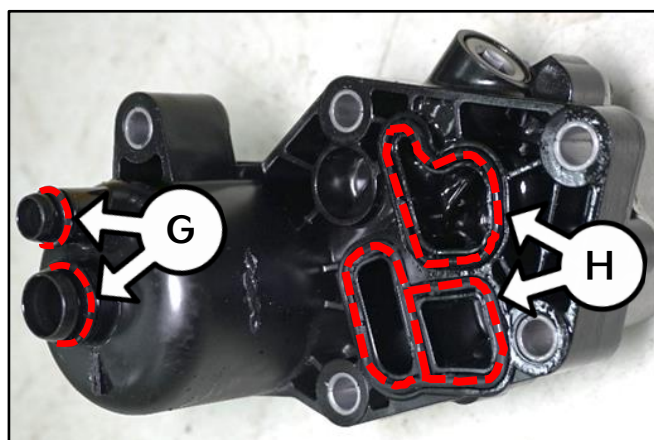
Tightening torque for Bolts (E) and nut (F):
14.5 - 15.9 lb.ft (19.6 - 21.6 N.m)



6. Replace the two (2) O-rings (G) and two (2) gaskets (H) with the new parts.

⚠ CAUTION

When replacing the O-rings and gaskets, be careful to NOT let foreign materials or dirt contaminate the oil filter and cooler assembly. Wipe all surrounding areas with a clean towel.



7. Reassemble all removed parts in reverse order of removal.

ⓘ IMPORTANT

When reinstalling the oil filter, apply a small amount of oil onto the oil pan insert hole. After reinstalling the oil filter, wipe all surrounding areas with a clean towel to remove any foreign materials or dirt.

- 8a. Replenish engine oil and coolant levels to the full ("F") marks, following procedures in the applicable Shop Manual on KGIS.
- 8b. Bleed the coolant system using KDS, by referring to the "Engine Mechanical System → Cooling System → Coolant → Repair Procedures → Engine Coolant Refilling and Air Bleeding" chapter in the applicable Shop Manual on KGIS.

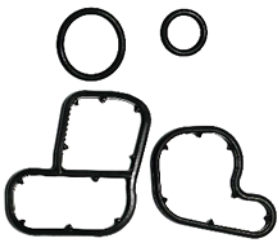
Note: Refer to the Required Parts table on page 4 for recommended products and quantities.

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AFFECTED VEHICLE RANGE:

Model	Production Date Range
Carnival (KA4)	September 27, 2021 to January 27, 2022

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
O-ring and Gasket (4 pieces)	26340 3N300QQK		1
Engine Oil	Full Synthetic SAE 0W-20, API SN PLUS/SP or ILSAC GF-6	-	Replenish as needed
Coolant	UM040 CH012* (Ethylene Glycol Based Coolant)	-	1 gallon

*Pre-diluted.

WARRANTY INFORMATION:

N Code: N99 C Code: C99

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
V	26341 3C300	0	(SA500) Oil Filter O-ring and Cooler Gasket Replacement	220015R0	1.2 M/H	26340 3N300QQK UM040 CH012	1

Note: Manually enter sublet code "X1" for engine oil reimbursement (up to \$15 max.). When necessary for retail vehicles, manually enter sublet code "X2" for rental reimbursement, up to five (5) days maximum. Attach supporting documentation to claim.

NOTICE

VIN inquiry data for this repair is provided for tracking purposes only. Kia retailers should reference **SA500** when accessing the WebDCS system.

