



GROUP
ELE

MODEL
2019MY
Niro (DE HEV/PHEV)

NUMBER
211 (Rev 1, 02/23/2021)

DATE
February 2021

TECHNICAL SERVICE BULLETIN

SUBJECT: **AEWP PARTIAL REPLACEMENT FOR DTC P2600/P0C73**

★ 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 to replace the Can Case of the Auxiliary Electric Water Pump (AEWP) on some 2019MY Niro (DE HEV, DE PHEV) vehicles produced from November 26, 2018 through January 23, 2019, which may exhibit MIL 'ON' with DTC P2600 and/or P0C73. The vehicle may exhibit intermittently poor electric connection which may be caused by water inflow into the case due to poor sealing of the joint. Follow the procedure outlined in this publication to partially replace AEWP parts with the AEWP Kit parts listed in this bulletin. Before conducting the procedure, verify that the vehicle is included in the production range of affected vehicles.

DTC P2600: Coolant Pump "A" Control Circuit/Open

DTC P0C73: Motor Electronics Coolant Pump "A" Control Performance

NOTE: Only if the stator coil is found to be contaminated or the connector terminal is corroded, should the entire AEWP assembly be replaced. Coolant add cost should be claimed by sublet.

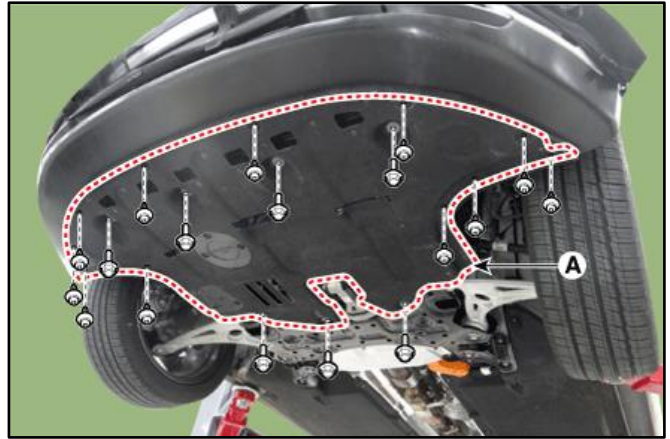


Printed TSB copy is for reference only; information may be updated at any time.
Always refer to KGIS for the latest information.

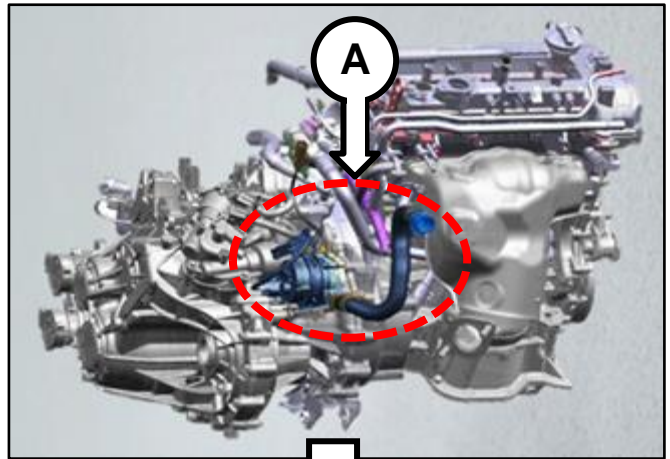
Circulate To: General Manager Service Manager Parts Manager
 Service Advisors Technicians Body Shop Manager Fleet Repair

Replacement Procedure:

1. Remove the negative (-) battery terminal.
2. Remove the engine room under cover by referring to the “Engine Mechanical System → Engine and Transaxle Assembly → Engine Room Under Cover → Repair procedures” chapter in the applicable Shop Manual on KGIS.



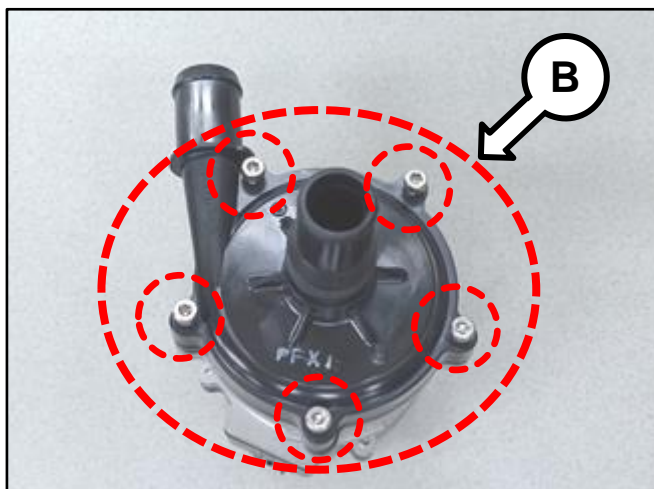
3. Remove the EWP assembly (A) by referring to the “Heating Ventilation and Air Conditioning → Heater → Auxiliary Electronic Water Pump (AEWP) → Repair procedures” chapter in the applicable Shop Manual on KGIS.



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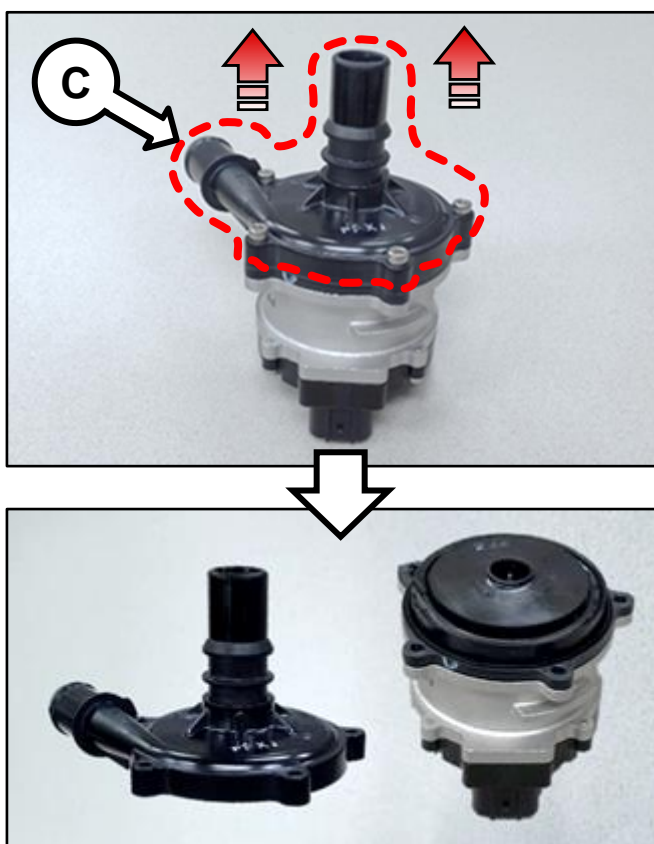
AEWP PARTIAL REPLACEMENT FOR DTC P2600/P0C73

4. Remove the AEWP cover bolts (B) with a 3mm Allen Wrench.



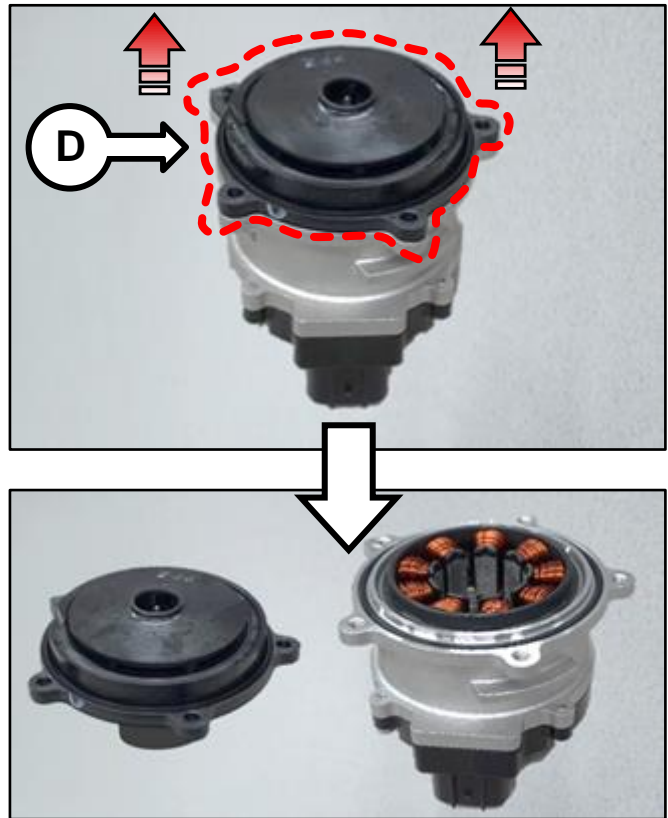
5. Detach the pump cover (C) from the AEWP assembly.

Note: Hold the AEWP housing and pull the pump cover (C) up, in the direction of the arrows, to detach it easily.



6. Detach the Can Case (D) from the AEWP housing.

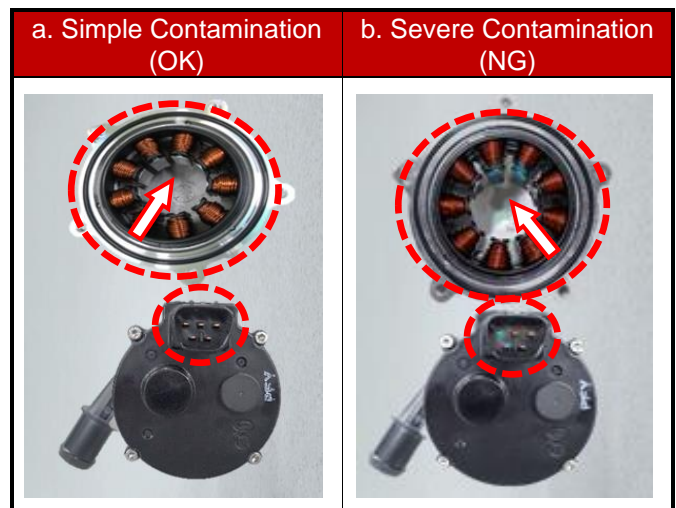
Note: Hold the AEWP housing and pull the can case (D) up, in the direction of the arrows, to detach it easily.



7. Check for coolant intrusion and terminal corrosion in the AEWP housing and take action according to the procedure and example photos.

Action Procedure:

- Simple contamination of the stator coil and power terminal:
Clean and dry the inside and replace the Kit parts (can case, S-ring, O-ring).
- Severe contamination of the stator coil and terminal:
Replace the AEWP assembly.



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- 8a. Reinstall the EWP Assembly in the reverse order of removal.
- 8b. Tighten the pump cover fixing bolts with the specified torque.

Torque specification:

1.95 – 2.39 lb.ft (264.9 – 323.7 N.cm,
27.0 – 33.0 kgf.cm)

❗ IMPORTANT

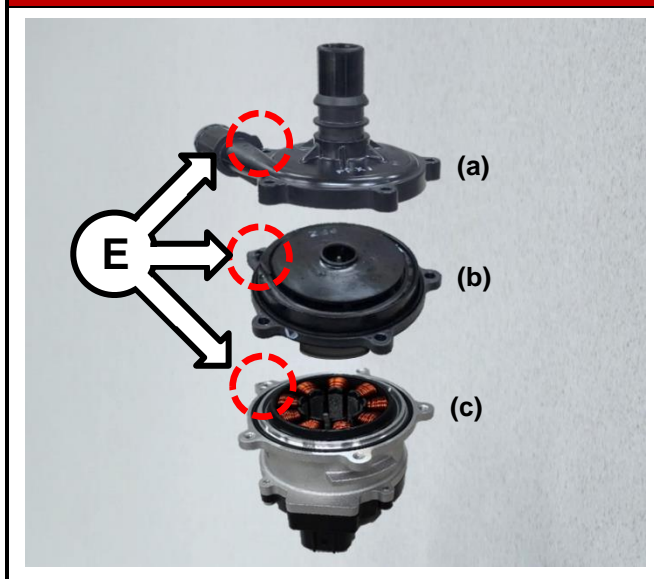
Be sure to replace the kit parts with new ones (Can Case, S-ring, and O-ring).

*** NOTICE**

- Verify that O-ring is not stuck when assembling.
- Check assembly direction when assembling pump cover, can case, and housing. If center ball and holes do not align, the assembly will not fit correctly. (Refer to diagram at right.)



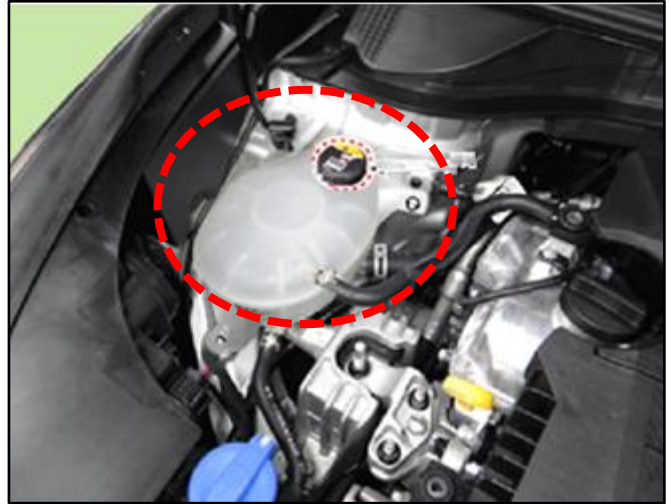
Fit "Center Ball" with "Hole" (E) when assembling Pump Cover (a) Can Case (b) and Housing (c).



9. After EWP replacement, refill the cooling system with coolant referring to the “Engine Mechanical System → Cooling System → Coolant (Engine) → Repair procedures” chapter in the applicable Shop Manual on KGIS.

**CAUTION**

- Be careful not to damage other hoses nearby when tightening the clamp.
- Install the clamp in specified direction to prevent interference with surrounding components.
- After installing, check for leakage of coolant or fluid from hose connection during engine start.



10. Do a final check for any leaks and confirm proper operation.




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AERP PARTIAL REPLACEMENT FOR DTC P2600/P0C73

AFFECTED VEHICLE RANGE:

Model	Production Date Range
Niro (DE HEV, DE PHEV)	November 26, 2018 to January 23, 2019

REQUIRED PART:

Part Name	Kit Part Number	Figure			Qty.
		Kit Parts		Qty	
AERP Kit	25100 03HZ0FFF		25120-03HZ8FFF* (Can Case)	1	1
			25180-03HZ8FFF* (O-Ring)	1	
			25190-03HZ8FFF* (S-Ring)	1	

* Only available in Kit 25100 03HZ0FFF

WARRANTY INFORMATION:

N Code: I3T C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	25100 03HZ0	0	AERP Repair (Can Case Replacement)	25100F01	1.2 M/H	25100 03HZ0FFF	1
			AERP Assembly Replacement	25100F00	1.1 M/H	25100 03HZ0	1

