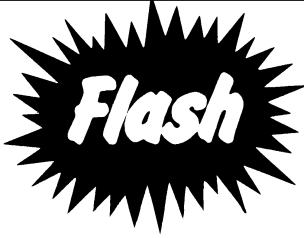


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**Parts**



Mazda North American Operations  
Irvine, CA. 92718-2906



**REFERENCE NO: RF-24-05**

**DATE: 05/09/2024**

**SUBJECT: CX-90 & CX-70 PHEV Electric Water Pump (#1 and #2) Service Caution**

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The CX-90 and CX-70 PHEV is equipped with two electric water pumps that look similar but have different part numbers and functionalities.

**CAUTION:** If the wrong water pump is ordered or they are installed reversed, DTC U019F could be set.

Water pump #1 (EV system) is located behind the front bumper on the driver's side and used to circulate engine coolant to the high voltage parts and oil cooler to maintain the appropriate operating temperature.

Water pump #2 (HVAC system) is located behind the rear of the driver's side front mudguard (near the firewall) and used by the heater system to circulate coolant warmed by the engine operation through the front/rear heater core.

**NOTE:** The wiring diagram for CX-90 PHEV has the electric water pumps marked incorrectly. In the HVAC system, the electric water pump is called out as # 1, but it should be #2 and in the EV system, the electric water pump is called out as #2, but it should be #1.



#### Parts Information

Part Number	Description
PX28-15-711	Water pump #1 (EV system)
KR9P-61-2FX	Water pump #2 (HVAC system)