

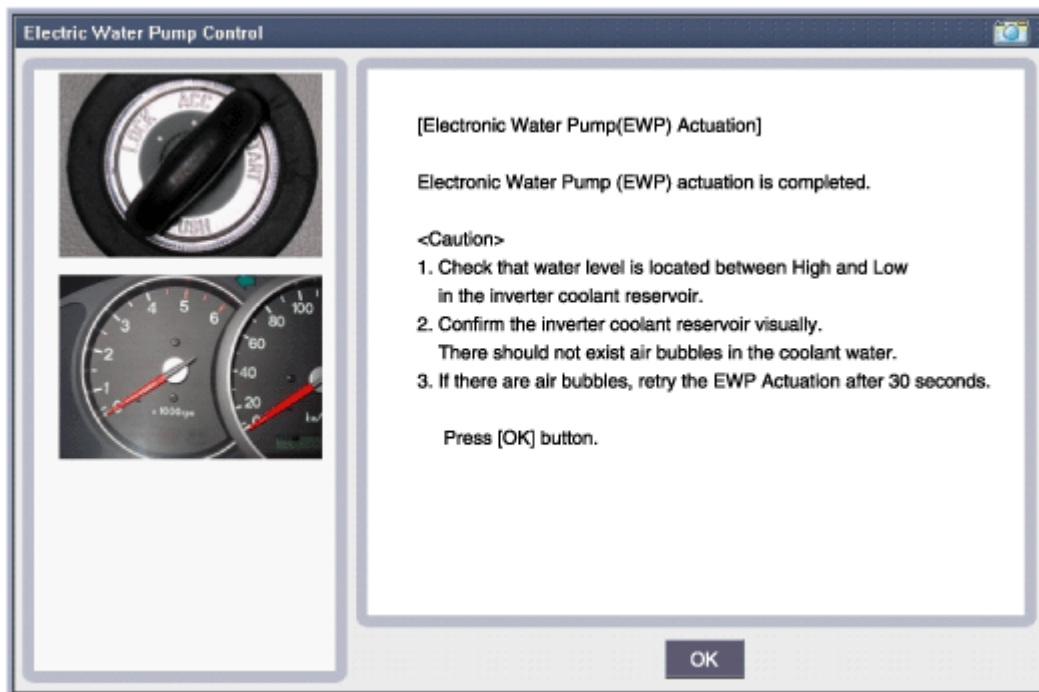
	GROUP <b>ENG</b>	MODEL <b>2017MY Optima Hybrid / Optima Plug-In Hybrid</b>
	NUMBER <b>PS508</b>	DATE <b>June 2017</b>
 		
<b>SUBJECT: "FILL INVERTER COOLANT" MESSAGE AFTER REPAIR</b>		

Some technicians may report seeing the “fill inverter coolant” message on the cluster after performing an HEV system service requiring the coolant to be drained. The logic for this message is such that it will be displayed when the RPM of the EWP climbs while line load goes down, indicating a possible cavitation. This is due to air in the system. Much like bleeding any fluid system utilizing a pump, the hybrid cooling system must be bled in a particular manner to avoid aeration. To accomplish this, you would first follow the instructions in KGIS: Shop manual section → Hybrid Motor System → Hybrid Motor Cooling System → Coolant → Repair procedures. If this message is still displayed after completing the procedure, cycle the pump with KDS, on for five (5) seconds, and off for five (5) seconds ten (10) times. Let it settle for one (1) minute, then repeat the on/off cycle five (5) more times.



Allow the coolant to settle for another minute. Then run the pump the full run time of 90 seconds and listen to the pump. You can hear a gurgling/sloshing sound if air is still present. If no sound is emitted and coolant circulation without air bubbles is visually verified, bleeding is complete and the message should no longer be present.