

Changing the Coolant and Performing Air Bleeding

⚠ WARNING

Never remove the cap while the engine is hot. When you remove the cap from the reservoir, hot coolant may spew out due to the high pressure, causing serious injury.

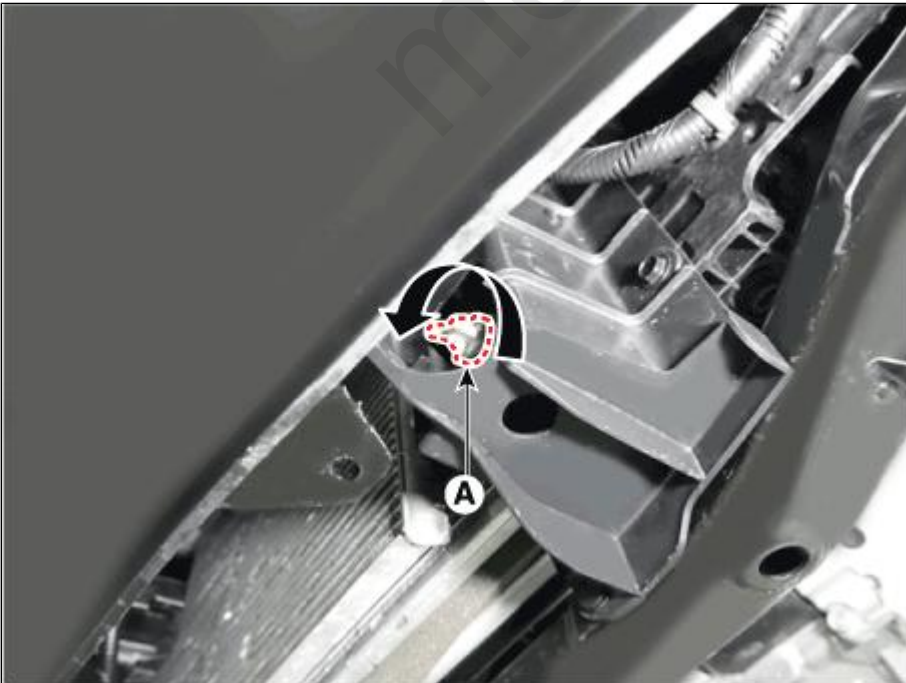
⚠ CAUTION

When you pour the coolant, be sure to close the relay box cover. Also, make sure that you don't spill the coolant on electrical components or the paint on the vehicle. If you spilled it, wipe it out immediately.

1. Remove the reservoir cap (A) to drain the coolant quickly.



2. Remove the engine room under cover.
(Refer to Engine Mechanical System - "Engine Room Under Cover")
3. Loosen the drain plug (A), allow the coolant to drain out and then reinstall the drain plug.



4. Tighten the inverter radiator drain plug again.
5. Drain the coolant from the reservoir and clean the tank.

6. Fill the radiator with water through the reservoir cap and mount the radiator cap.

NOTICE

Slowly inject the coolant so that the air inside can get out easily.

Press the upper / lower hoses on the radiator so that the air can get out easily.

7. Operate the electric water pump (EWP) using the diagnostic tool in the IG ON state.



8. Repeat the steps 1 - 7 until the drained water becomes clear.

9. Pour the mixture of antifreeze and water (45 - 50%) into the radiator through the reservoir cap.
At this time, press the upper / lower hoses on the radiator so that the air can get out easily.

NOTICE

Be sure to use the genuine antifreeze/coolant.

Maintain the concentration of antifreeze to at least 45% to prevent corrosion.

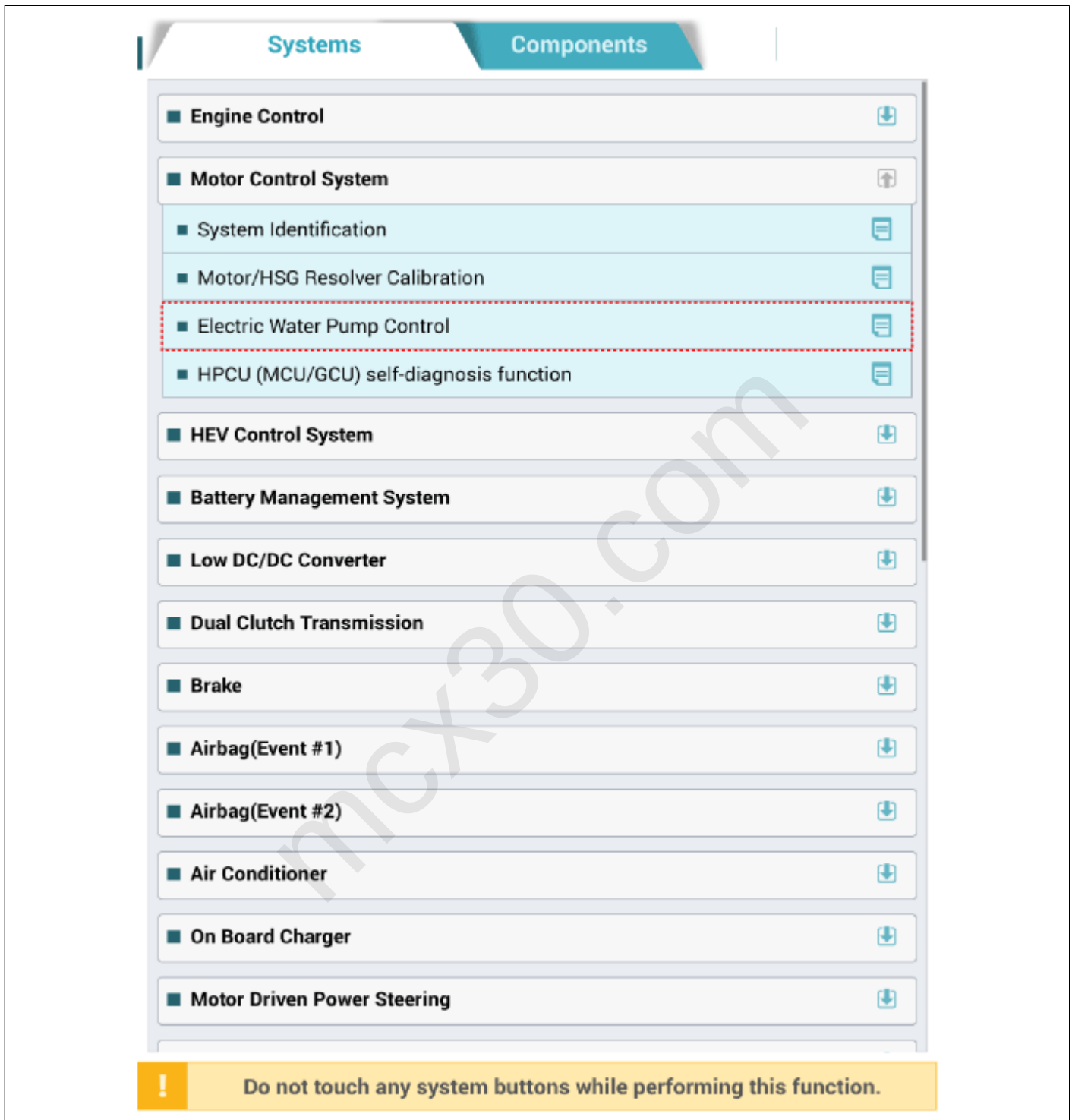
If the concentration of antifreeze is less than 45%, there is a possibility of corrosion or freezing.

If the concentration of antifreeze is more than 60%, the cooling efficiency may decrease. So, it is not recommended.

Do not mix antifreeze/coolant from different manufacturers.

Do not add rust inhibitor to the coolant.

10. Operate the EWP using the diagnostic tool while IG ON.



11. Once the EWP operates and circulates the coolant, fill the coolant to a level between MAX and MIN.

NOTICE

If you do not fill the coolant sufficiently for approx. 5 seconds, EWP stops for 15 seconds due to the EWP protection function. If you fill the coolant sufficiently, the EWP operates again.

12. If the operating sound of the EWP becomes smaller and no air bubble is seen in the reservoir, stop the air bleeding.

NOTICE

Once the air bleeding is over, be sure to check if air bubble is present inside the reservoir while the EWP is operating.

If you cannot see the coolant flow or if you can see air bubbles, repeat the steps 9 - 12.

13. Stop the EWP and fill the coolant to the MAX level and mount the reservoir cap.

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