



GROUP
Climate

MODEL
2010MY~
All Models
except Rio (JB)

NUMBER
PS493

DATE
March 2017



TECHNICAL OPERATIONS




SUBJECT: DEFOGGING LOGIC – NORMAL OPERATION,
DISABLING, AND ENABLING

Starting with 2010MY, all Kia vehicles, except Rio (JB), incorporate a defogging logic to prevent the interior windows from becoming excessively fogged. Depending on the specific model, the HVAC control head monitors ambient temperature and/or cabin humidity to determine which settings will best prevent the windows from fogging. If the system detects lower ambient temperature or higher cabin humidity, the defogging logic may automatically switch ON the A/C, and/or set the air intake mode to Fresh Air.

If the user changes these settings, the defogging logic will take control again after 3 to 5 minutes, depending on the model. If this results in an undesired operation, the logic may be enabled or disabled by following the procedure below.

* NOTICE

Disabling the defogging logic may result in excessively fogged windows. Only disable this logic if the customer insists. Inform the customer that the most effective way to defog the windows is to have a clean windshield, A/C ON, and air intake mode set to Fresh Air.

1. Turn the ignition to the ON position
2. Set the fan speed to the OFF position
3. Turn the mode selection to the DEFROST () position
4. Manual HVAC system: Press the RECIRCULATION () button five (5) times within 3 seconds.
Automatic HVAC system: While holding the A/C Button, press the RECIRCULATION () button five (5) times within 3 seconds
5. The RECIRCULATION indicator light will blink 3 times in 0.5 seconds to signal that the defogging logic has been activated or deactivated. If there is no feedback, refer to the Owner's Manual.

The defogging logic will remain activated or deactivated unless the battery is discharged or disconnected. Defogging logic is enabled by default when the battery is reconnected.

* NOTICE

If the vehicle is equipped with a sunroof, the system may still take control of the air intake setting under certain conditions, even with the defogging logic disabled. Refer to PS472 for more information.