



GROUP	MODEL
BOD	2021-2022MY K5 (DL3a)
NUMBER	DATE
333	November 2024

TECHNICAL SERVICE BULLETIN

SUBJECT: FUEL FILLER DOOR HOUSING/ACTUATOR ASSEMBLY REPLACEMENT

This bulletin provides the procedure to replace the fuel filler door housing and actuator assembly on some 2021-2022MY K5 (DL3a) vehicles produced from March 24, 2020 through August 11, 2021 which may have fuel doors that exhibit an inability to open/close or intermittent lock/unlock concerns due to trapped moisture in the fuel door actuator. During normal operation, moisture may become trapped in the affected vehicle's fuel filler door housing. Trapped moisture/water may enter the fuel door actuator, preventing the actuator operating normally. The new fuel door housing replacement part features a drainage port hole in the actuator casing to release any moisture that may collect in the fuel door housing. Follow the procedure outlined in this publication to replace the fuel filler door housing and actuator assembly on the applicable vehicle.



NOTICE

A Technical Service Bulletin is a field fix repair program without customer notification that may be performed during the warranty period. Any dealer requesting to perform this repair outside the warranty period will require DPSM approval.

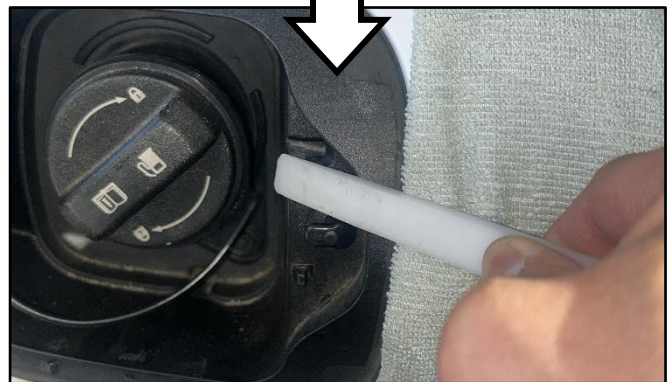
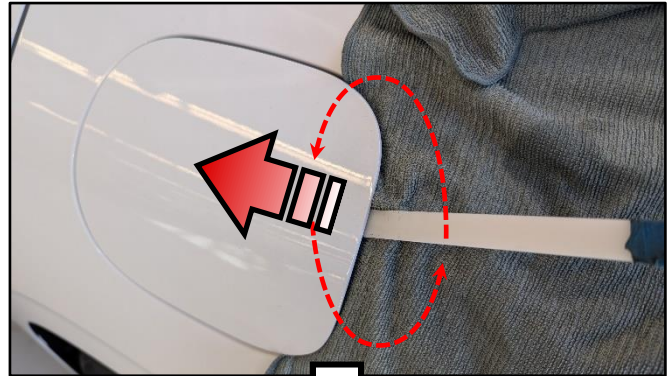
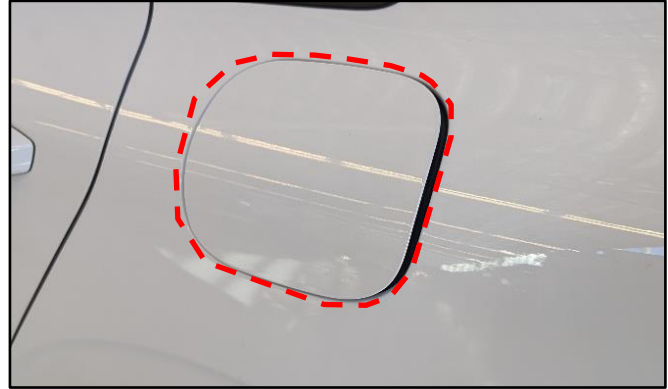
Replacement Procedure:

1. Identify the existing fuel filler door operating condition A or B:
 - 2a.
 - Fuel filler door is closed, unable to unlock (locked). Proceed to step 2.
 - 2b.
 - Fuel filler door is open, unable to close (locked). Proceed to step 3.
3. Using a non-marring trim tool, open the fuel filler door by prying the locking area and twisting the left to right to disengage the inner lock.

⚠ CAUTION

Place a clean shop cloth between the non-marring tool and the body panel to prevent any damage to the vehicle.

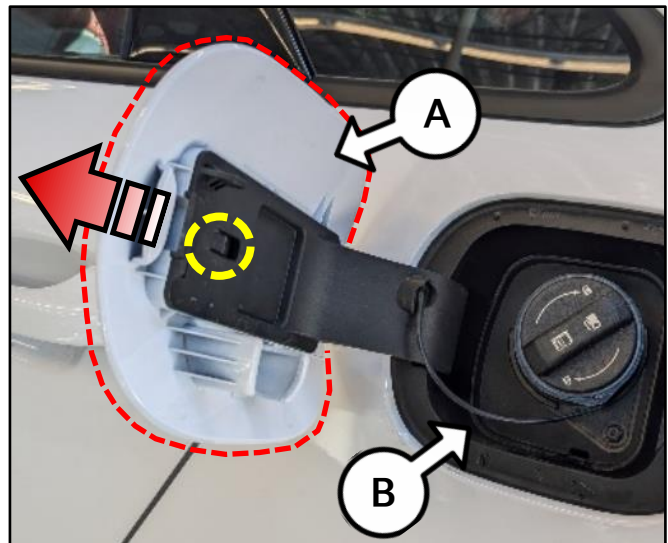
Note: Use the trim tool in the area shown right. (Image for reference use only)



- 4a. Release the fuel filler door cover (A) locking tab to unlock the fuel door cover from the fuel filler door housing (B).
- 4b. Slide the fuel filler door cover (A) outward to detach it from the fuel filler door housing (B).

⚠ CAUTION

DO NOT discard the fuel filler door cover (B) as it will be reused. **Temporarily save it and avoid from scratching the painted surface.**

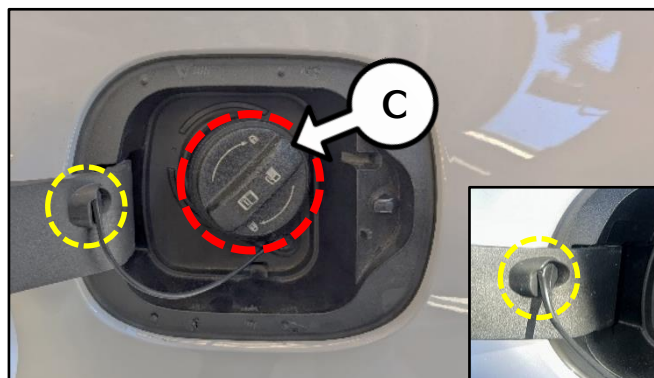


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5. Use a trim removal tool to detach the fuel cap (C) retaining tether and to remove the cap.

ⓘ IMPORTANT

DO NOT discard the fuel cap (C) as it will be reused.



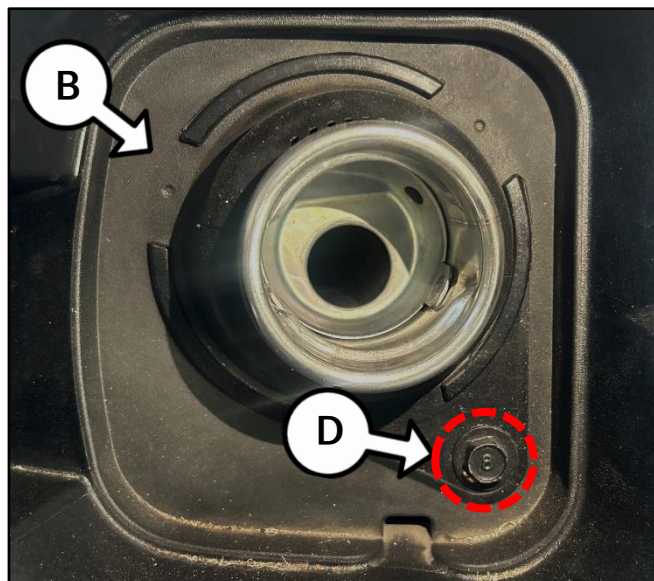
6. Carefully, use a 1/4" drill bit and drill four (4) holes approximately 1/2" deep into the four (4) tabs areas shown.

⚠ CAUTION

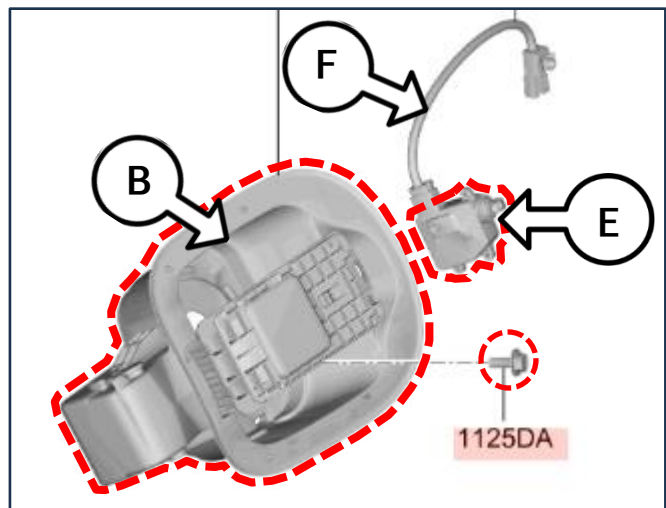
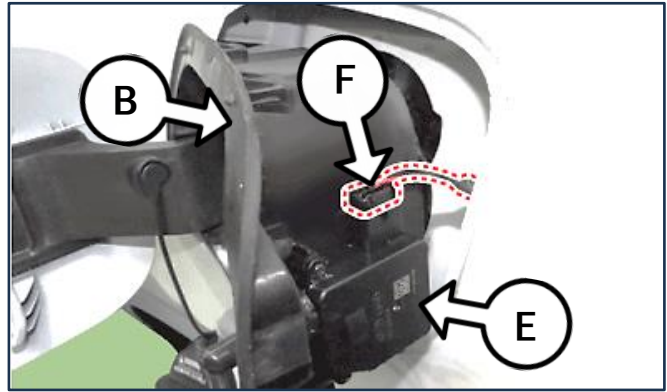
DO NOT penetrate tabs too far inward to prevent any damage to other components behind the fuel filler door housing system.



7. Loosen and remove fuel filler door housing (B) 10mm bolt (D).

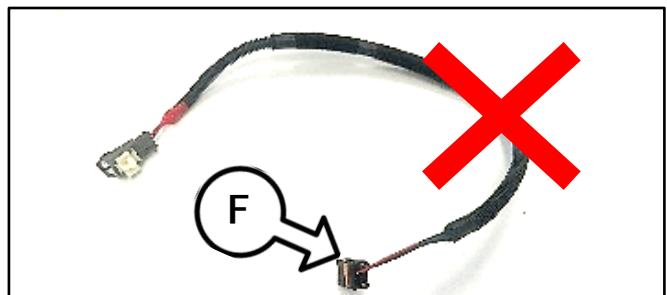


- 8a. Carefully, remove the fuel filler door housing (B) from the body panel by pulling it out (use a non-marring tool and clean shop towel if needed).
- 8b. Disconnect the fuel filler door actuator (E) connector wire harness (F).
9. Take the 'new' fuel filler door housing assembly (B) and reconnect the existing actuator wire harness (F) from the vehicle to the 'new' actuator (E) in the reverse order of removal.
10. Install the new fuel filler door housing (C) with reconnected actuator (F) onto the body side panel by evenly pressing it into the opening and confirm it is secured in place.

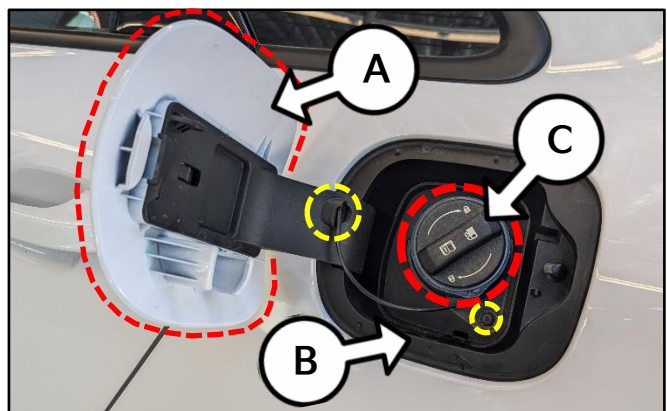


NOTICE

The new fuel filler door housing (B) and actuator (E) assembly may include a new wire harness (F). The wire harness is not required to be replaced.




11. Install the previously removed fuel filler door cover (A) to the new fuel door housing (B) in the reverse order of removal.
12. Install the previously removed fuel cap (C) in the reverse order of removal and reattach the retaining tether and tighten the 10mm bolt.
13. Confirm normal fuel filler door lock/unlock operation.



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AFFECTED VEHICLE RANGE:

Model	Production Date Range
K5 (DL3a)	March 24, 2020 to August 11, 2021

REQUIRED PART:

Part Name	Part Number	Figure	Qty.
Fuel Filler Door Housing and Actuator Assembly*	81595 L3010FFF		1

***Note:** Fuel filler door housing assembly includes the fuel door actuator. Some assemblies may also include the actuator harness which does not require replacement. The replacement FFF part numbers will require a VIN entry for parts ordering. **DO NOT** order these parts for stocking purposes, related to this TSB. Supply is very limited. Until supply stabilizes, please confirm part availability before scheduling customers.

WARRANTY INFORMATION:
N Code: I21 C Code: ZZ3

Claim Type	Causal P/N	Qty.	Repair Description	Labor Op Code	Op Time	Replacement P/N	Qty.
W	81595 L3010	0	Fuel Filler Door Housing/Actuator Assembly Replacement	81540F00	0.6 M/H	81595 L3010FFF	1