

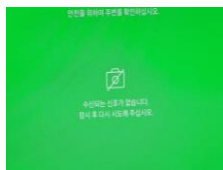


Technical Service Bulletin

GROUP BODY ELECTRICAL	NUMBER 25-GI-007G
DATE APRIL 2025	MODEL(S) G80 (RG3) GV70 (JK1/JK1A) GV80 (JX1)

SUBJECT: SERVICE GUIDE FOR PARKING CAMERA SYSTEM ERROR

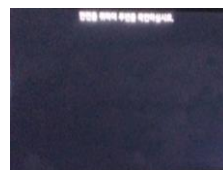
Description: This bulletin provides a diagnostic and inspection procedure for addressing parking camera error conditions for G80 (RG3), GV70 (JK1/JK1A), and GV80 (JX1) vehicles. Follow the information in this TSB on the symptoms, causes, and associated diagnostic steps for camera issues based on the screen color and DTCs.



Green screen



Gray screen



Black screen

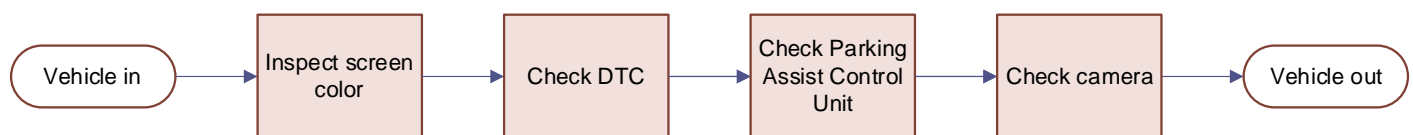
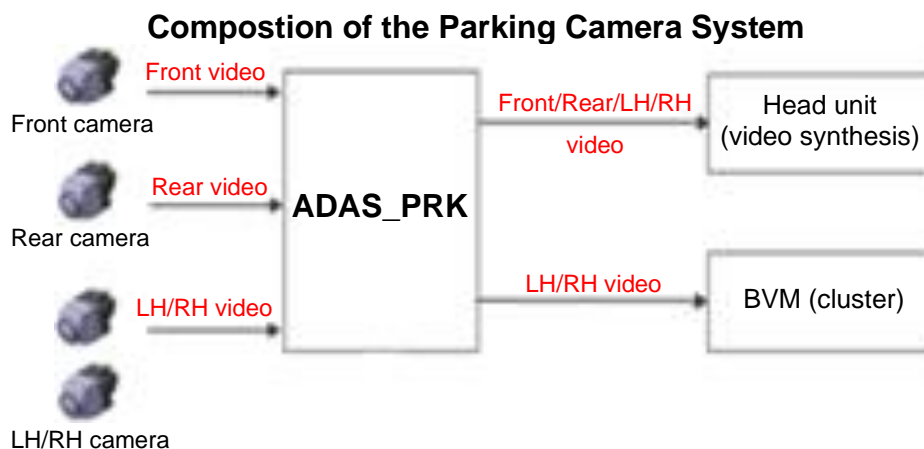


Blue screen

Applicable Vehicles:

- 2025MY or newer G80 (RG3)
- 2026MY or newer GV70 (JK1/JK1A)
- 2025MY or newer GV80 (JX1)

Service Procedure:



Circulate To: General Manager, Service Manager, Parts Manager, Warranty Manager, Service Advisors, Technicians, Body Shop Manager, Fleet Repair

Parking Camera Inspection

Common Maintenance or Installation Error:

Symptom	Description	Part to inspect
Lane Keep / Forward collision misdiagnosis	There is no function to keep lane nor prevent forward collision in the parking cameras. There have been cases where these parts were incorrectly replaced due to misdiagnosis.	Front View Camera Unit (P/N 99211)
Calibration error	In case of calibration concerns, perform re-calibration or inquire about the calibration line of complete vehicle	ADAS_PRK / Recalibration
Guideline does not display, is distorted, etc.	Parking guideline is not a function of the Parking cameras, and other parts should be inspected.	SVM spec. (ADAS-PRK) / RVM spec. (AVN Head Unit)

Inspect the Screen Color:

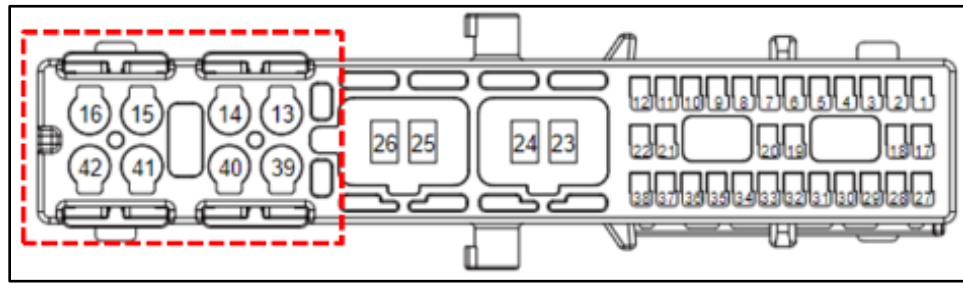
Symptom	Description	Part to be inspected
Gray screen	Video to Head Unit/BVM is transmitted normally from ADAS_PRK.	Camera or wiring
	NO camera input	
Green screen	ADAS_PRK not transmitting to Head Unit/BVM	ADAS_PRK or wiring
Blue screen	Video error (packet missing, packet error, data corruption, etc.)	Head Unit or wiring
Black screen	Camera application loading failure	

Check for DTCs:

System	DTC	DTC occurrence time	Remark
Camera/ Wiring	C133A00-D00	The initialization of the wide-angle camera failed 10 times (6 seconds).	Error in camera lock pin
	C134A00-D00		Error in camera I2C
	C137A00-D00		Error in camera initialization
	C139A00-D00	Failure may occur when continuous video with 30 frames is not inputted.	NO input of camera video

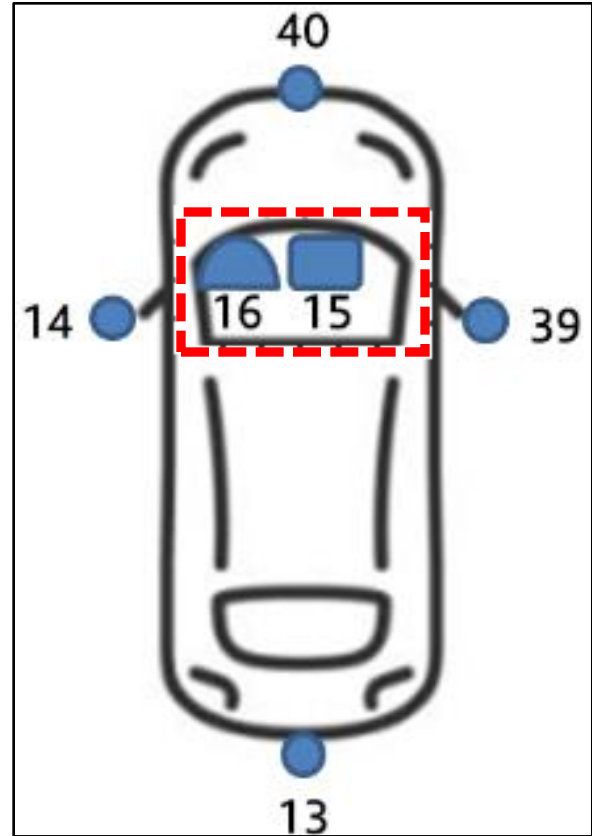
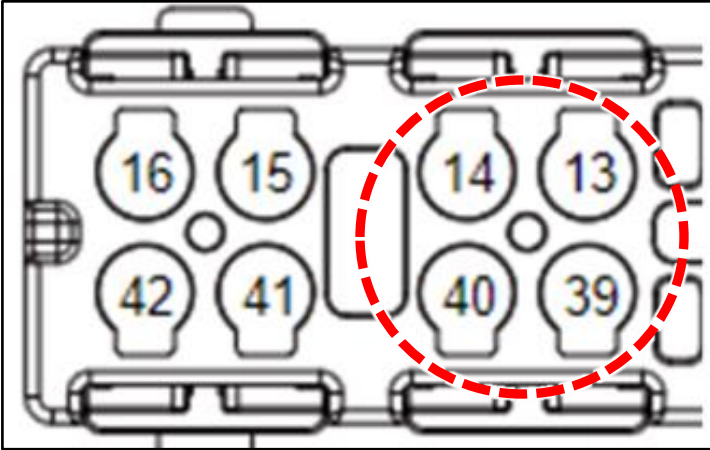
Check the connector ADAS_PRK Unit connector F20 (RG3), F80 (JX1), or F11 (JK1/JK1A):

Vendor Part Number	Vendor Part Name
6441-0055-1-000	HRS_025ETNFAKRA_42F



Pin Number	Signal Name	Pin Number	Signal Name
1. B	Ground (GF03)	22.	-
2. B	Ground (GF03)	23.	-
3. G	Forward PDW Sensor LH (Side - Signal)	24.	-
4. L	Front PDW sensor LH (In - Signal)	25. G	CCU (ETH (+))
5. W	Front PDW sensor RH (Out - Signal)	26. W	CCU (ETH (-))
6. B	Sensor Ground: Forward PDW Camera	27. L/B	[With ISG] Low DC-DC Converter (B+) [W/O ISG] PDC (Fuse - F5)
7. P	Reverse PDW Sensor RH (Side - Signal)	28. L/B	[With ISG] Low DC-DC Converter (B+) [W/O ISG] PDC (Fuse - F5)
8. O	Reverse PDW Sensor RH (In - Signal)	29. Br	Forward PDW Sensor LH (Out - Signal)
9. Br	Reverse PDW Sensor LH (Out - Signal)	30. O	Forward PDW Sensor RH (In - Signal)
10. R	Sensor Power: Forward PDW Camera	31. P	Forward PDW Sensor RH (Side - Signal)
11. Y	E-CAN (Low)	32. B	Sensor Ground: Reverse PDW Camera
12. B	E-CAN (High)	33. W	Reverse PDW Sensor RH (Out - Signal)
13. B	Rear camera (video signal)	34. L	Reverse PDW Sensor LH (In - Signal)
14. B	[LHD] Driver Outside Mirror (Side View Camera)	35. G	Reverse PDW Sensor LH (Side - Signal)
15. B	CCIC Head Unit (SVM Video Signal - Composite)	36. R	Sensor Power: Reverse PDW Camera
16. B	CCIC Head Unit (BVM Video Signal)	37. P	PDC (Fuse – F50)
17. P	Front Console Switch (PDW Switch - Signal)	38. P	PDC (Fuse – F32)
18. O	Front Console Switch (SVM Switch - Signal)	39. B	[LHD] Passenger Outside Mirror (Side View Camera)
19. Gr	Front Console Switch (PDW Switch - IND.)	40. B	Front camera (Video signal)
20.	-	41.	-
21.	-	42. B	CCIC Head Unit (SVM Video Signal - Original)

Check Cameras:



Video input 4-channel of ADAS_PRK ECU:

- 13. Rear camera (video signal)
- 14. [LHD] Driver Outside Mirror
- 39. [LHD] Passenger Outside Mirror
- 40. Front camera (video signal)

Video output 2-channel of PRK ECU:

- 15. CCIC Head Unit (SVM)
- 16. CCIC Head Unit (BVM)