STAR ONLINE PUBLICATION

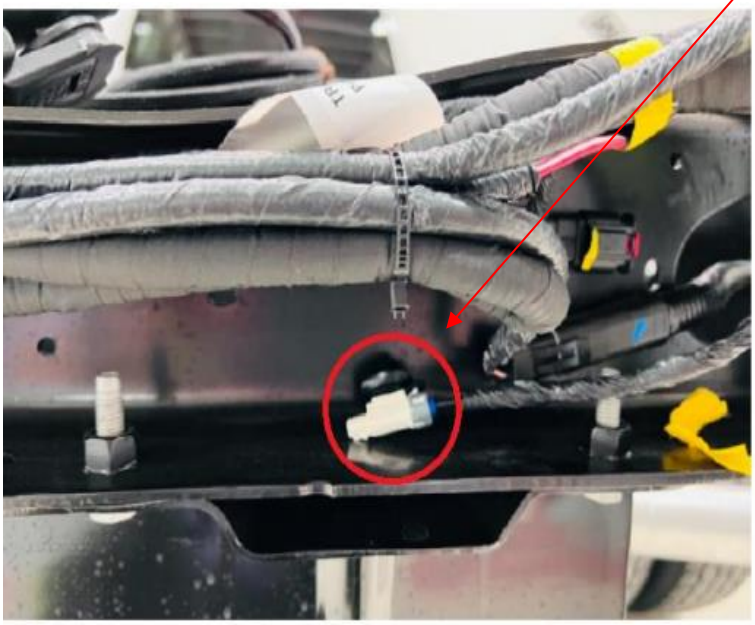
Case Number: **S2308000005**

Release Date: January 2023

Symptom/Vehicle Issue: Rear View Camera Loose Shipped Harness Connector Ends Do Not Mate, Connector Ends Are Different

Technician Observation: Cab and Chassis vehicles may have a been shipped with a camera harness provision that has an incorrect connector for the wiring mating connector on the vehicle.

Discussion: Rear camera vehicle harness connector and shipped harness seen below for the camera connectivity do not mate in some cases. Some vehicle harness packages have **connector ends that may differ and do not mate to the shipped (KIT 68399008AD), see below.**



Vehicle harness connector located in the rear cross member

Loose shipRVCM kit - PN: 68399008AD - Analog Camera

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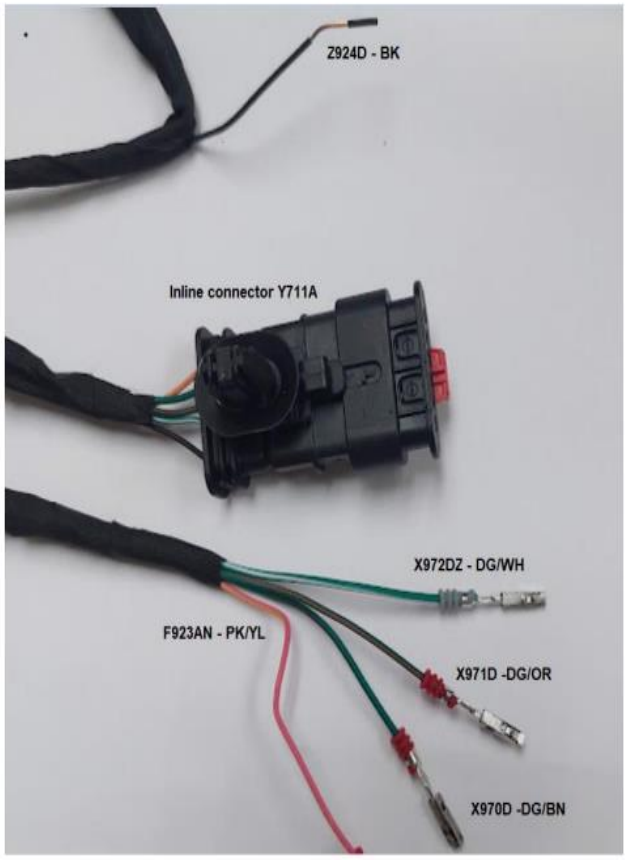
Identify the wiring jumper – circuits and connectors



Wire Color Abbreviations

Table 1 - Wire Color Abbreviations

RED	RD
BLACK	BK
BROWN	BN
ORANGE	OG
VIOLET	VT
WHITE	WH
GRAY	GY
YELLOW	YE
DK BLUE	DB
DK GREEN	DG
LT GREEN	GN
LT BLUE	BU
TAN	BG
PINK	PK

Material required:

- Wiring jumper (1)
- High Abrasion Tape – Tesa (1 roll)
- Heat shrink /solder point (3 pieces)
- Tools to remove wire terminals

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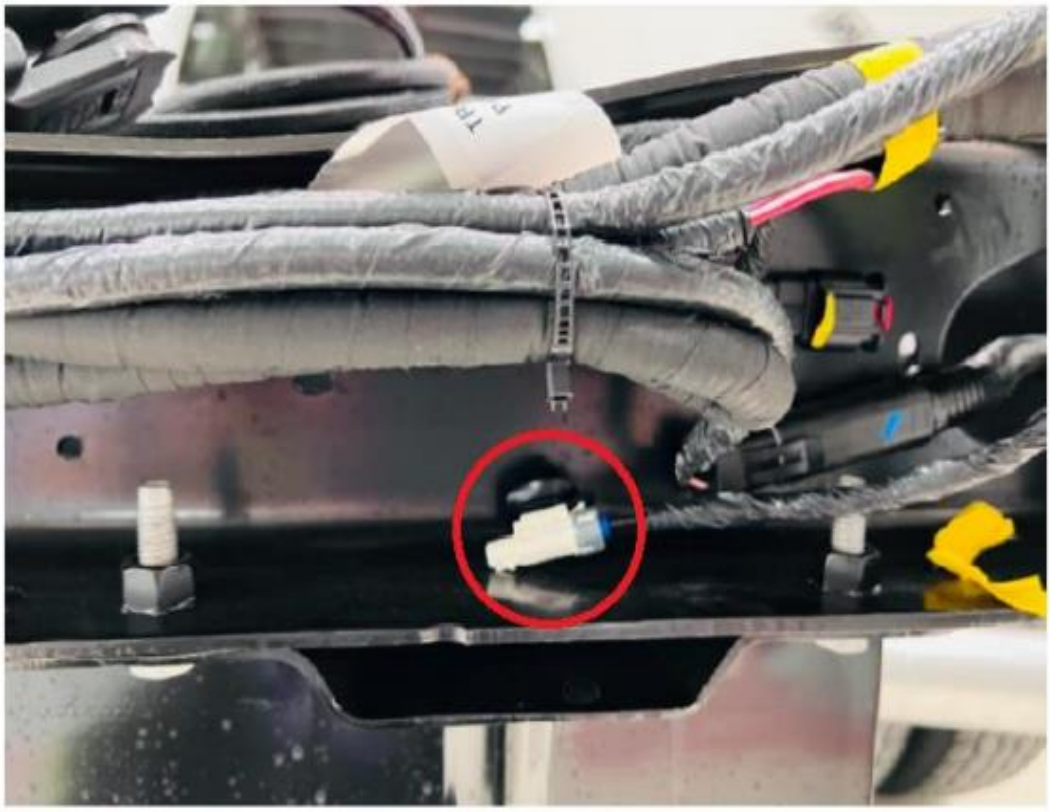
1. Locate in the rear cross member the connector circled in red.



Vehicle harness connector located in the rear cross member

2. Take the wiring jumper and install the connector Y711A.
3. Replace the position of the existing white coax connector and install the connector Y711A (6w connector).

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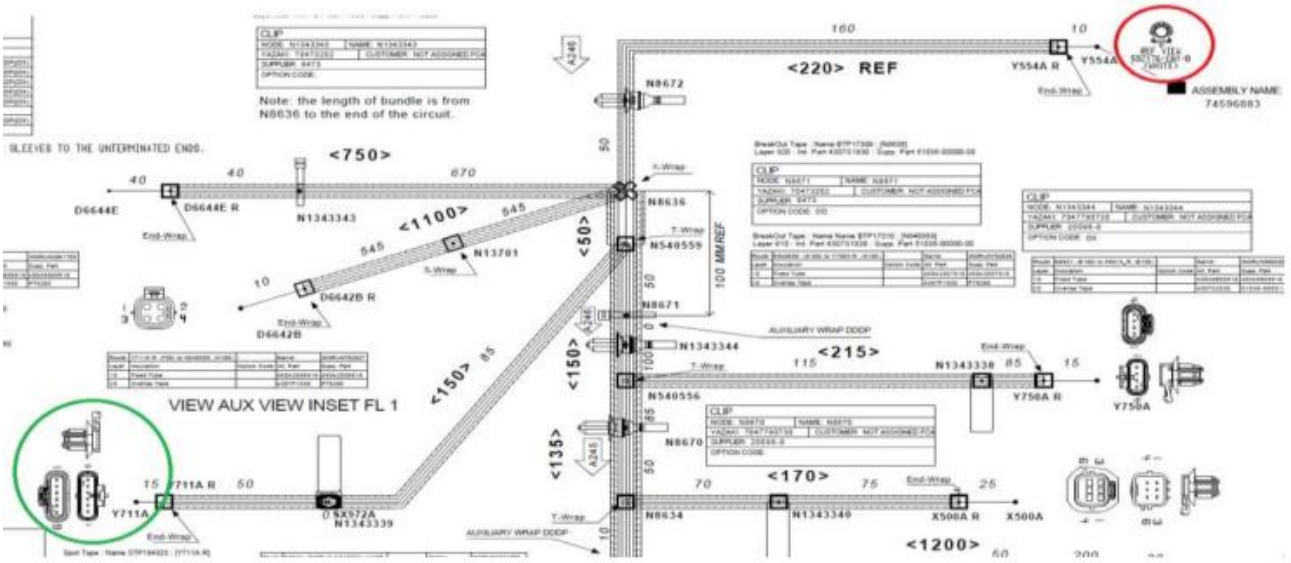

This document does not authorize warranty repairs. This communication documents a record of past experiences. STAR Online does not provide any conclusions about what is wrong with the vehicle. Rather, it captures all previous cases known that appear to be similar or related to the vehicle symptom / condition. You are the expert, and you are responsible for deciding on the appropriate course of action.

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4. Use the high abrasion tape to route the wiring jumper to the existing vehicle harness main bundle - each 100mm apply overlap taping method 3 laps of tape at minimum.

5. Identify the ground circuit on the jumper – Circuit Z924D – Color BK.
6. This circuit is a blunt cut and needs to be spliced to the ground terminal GZ924 located in the RR chassis Frame.

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7. Disengage the ground terminal from the frame.
8. Remove the tape on the ground takeout to have access to the wires crimp to the eyelet.
9. Open the convolute and splice the circuit Z924D – BK color in G924D.
10. Use heat shrink to splice the circuit Z924D with one of the circuits goes to ground terminal Z924.
11. Cover the splice with tape -full wrap and re-install the ground terminal to the frame (applied torque: 13Nm.

12. Route the harness all way forward – Find the connector inline X965 (32P connector- blue lever).

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13. Un-mate the X965 inline connector – Remove the lock/CPA to insert the wires.
14. Behind the connector locate the cavities 26/27 and 28.

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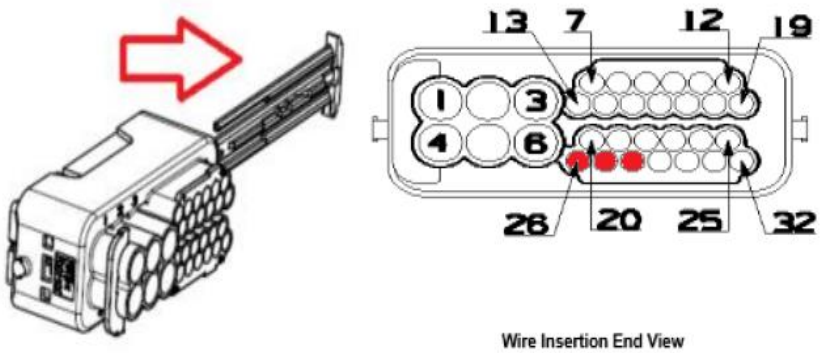


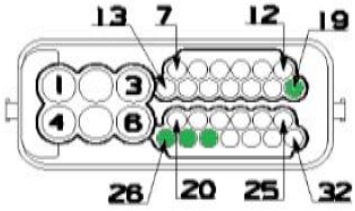
Wire Insertion End View

15. Remove the circuits:

- Cavity 26 – circuit color DG/BG
- Cavity 27 – circuit color DG/OR
- Cavity 28 – circuit color DG/WH

16. Cut them and apply heat shrink or folded back and apply tape.
17. Take the terminated circuits from the wiring jumper and insert in the connector as follows:

- Insert the circuit F923AN color PK/YL in cavity 19
- Insert the circuit X970D color DG/BN in cavity 26
- Insert the circuit X971D color DG/OR in cavity 27
- Insert the circuit X972DZ color DG/WH in cavity 2



Wire Insertion End View

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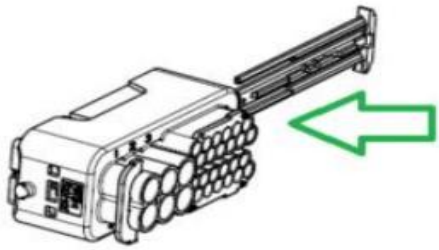
18. Once the wires are inserted- Lock the Connector Positive Assurance (CPA) and mate the connectors.



19. Finally – Connect the loose ship RVC kit - 68399008AD – Analog Camera to the vehicle harness 6-way connector and make sure the camera functions.

20. Remove the sealing cap of the Y711A connector to allow a connection and once tested – reinstall it.

Note: XAC sales code reflects an analog camera usage
XAK sales code reflects a digital camera
XBC sales code reflects Pickup Box Delete

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