



**MAINTENANCE
INFORMATION**

MI19-36

DATE :	October 2019	SECTION :	06 ELECTRICAL
SUBJECT :	BRIGADE SYSTEM POWER SUPPLY MODIF		

Version initial

2019-10-30

IMPORTANT NOTICE
This modification is recommended by PrevoSt to increase your vehicle's performance. Note that no reimbursement will be awarded for carrying out this modification.

APPLICATION

Model	VIN
H3-45 coaches Model Year : 2019 - 2020	From 2PCH33492 <u>KC710212</u> up to 2PCH33498 <u>LC720910</u> incl.
X3-45 coaches Model Year : 2020	2PCG33495 <u>LC736493</u> 2PCG33492 <u>LC736497</u> 2PCG33496 <u>LC736499</u>

DESCRIPTION

For vehicles equipped with a Brigade camera system, follow these instructions to optimize the quality of the monitor display.

MATERIAL

Order kit #MI19-36 that contains the following parts:

Part No.	Description	Qty
561258	WIRE, 18 AWG, GXL, RED, 125 DEG	6
561261	WIRE, 18 AWG, GXL, BLACK, 125 DEG	2
563588	PIN TERMINAL FOR CONNECTOR C129 (USE EXTRACTOR #682321)	3
562463	SOCKET TERMINAL FOR CONNECTOR A29 (USE EXTRACTOR #682486)	3
562229	BUTT-SPLICE, 22-18, N-ISO	3
560784	SHRINK TUBING DOUBLE WALL 0.25" O.D.	0.5

Other parts that may be required:

Part No.	Description	Qty
564099	TAPE PROTECT. 150°C	AS RQR
504637	CABLE TIE MIDDLE SIZE	AS RQR

NOTE

Material can be obtained through regular channels.

PROCEDURE



Park vehicle safely, apply parking brake, stop the engine and set battery master switch to the OFF position prior to working on the vehicle.

PROCEDURE WITH MONITOR CONNECTOR C129

For H3 model, from vehicle 2PCH3349XLC720827 up to 2PC3H33498LC720910 incl.

Plus for X3 model, vehicles 2PCG33492LC736497 and 2PCG33496LC736499

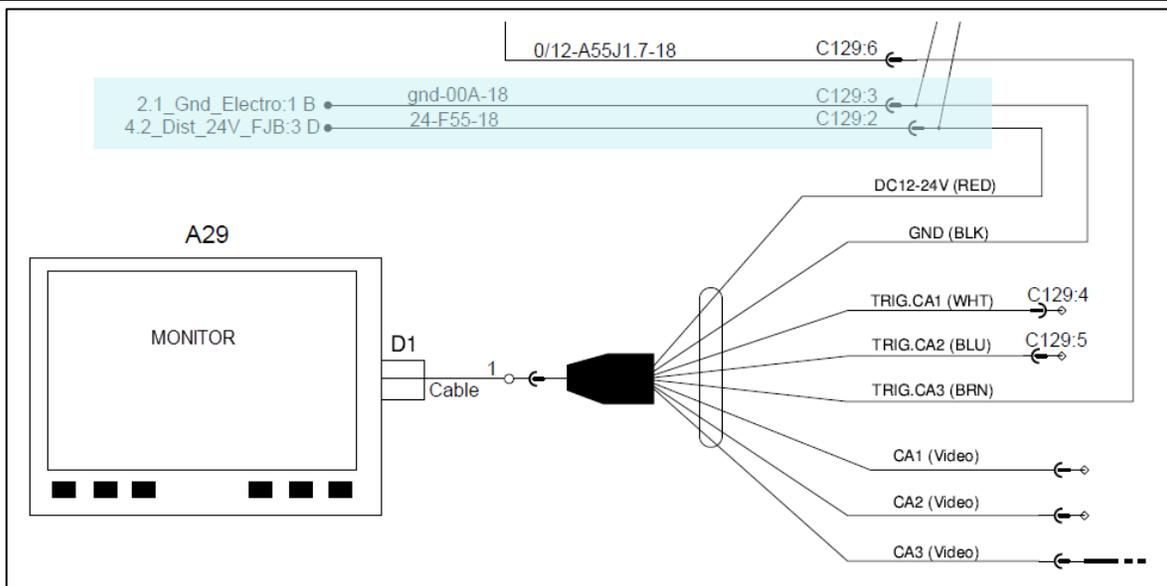


FIGURE 1: ORIGINAL CIRCUIT WITH CONNECTOR C129

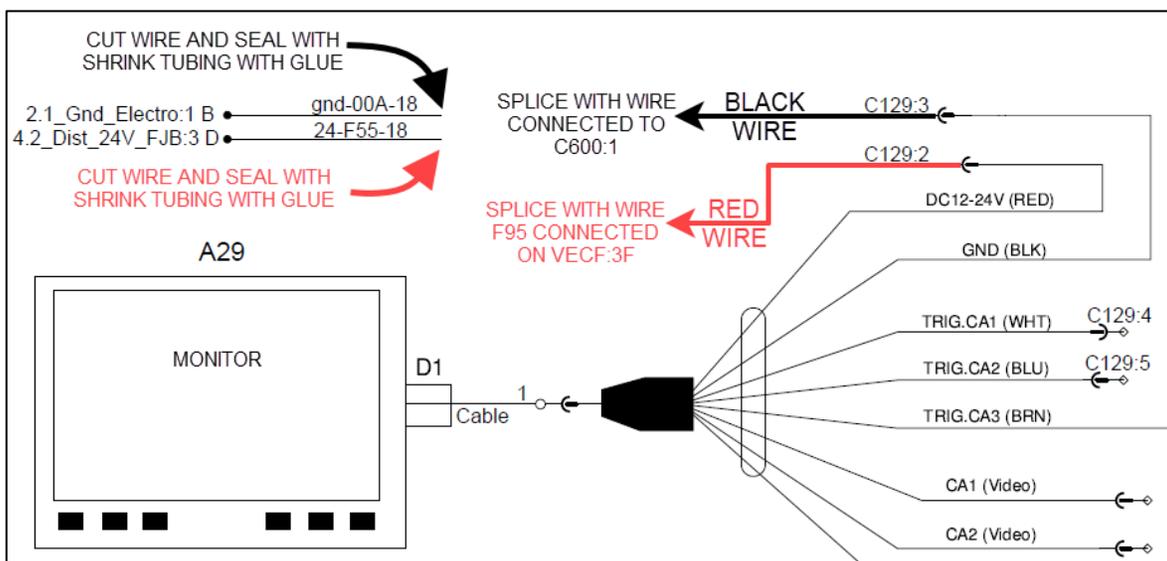


FIGURE 2: CIRCUIT MODIFICATIONS WITH CONNECTOR C129

1. Locate the monitor connectors C129 into the dashboard.
2. Unplug the connectors.
3. Remove secondary lock on the female connector.



FIGURE 3

4. Disconnect existing wire F55 in female connector C129:2. Keep rubber seal in place.
5. Cut the existing wire to remove terminal and seal wire with shrink tubing as shown in Figure 4.
6. Disconnect existing wire 00A in female connector C129:3. Keep rubber seal in place.
7. Cut the existing wire to remove terminal and seal wire with shrink tubing as shown in Figure 4.
8. Install a terminal #563588 on one end of the new red wire and on one end of the new black wire.
9. Connect new red wire in female connector C129:2.
10. Connect new black wire in female connector C129:3.
11. Reinstall secondary lock.
12. Plug connectors C129.

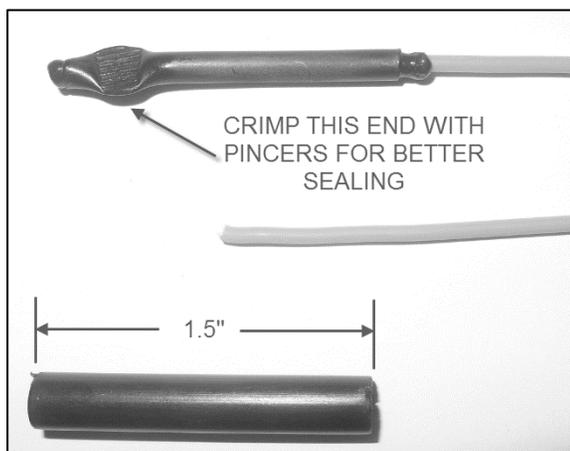


FIGURE 4

13. Locate female connector C600:1 and wire grd-0A-18 into the dashboard.

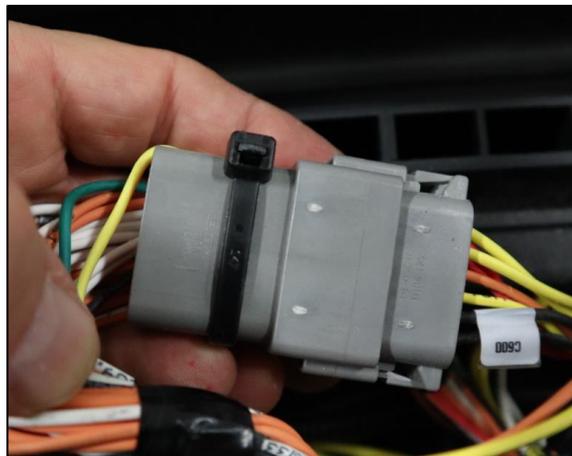


FIGURE 5

14. Splice new black wire with wire grd-0A-18 connected to female connector C600:1.
15. Seal the splicing with shrink tubing as shown in Figure 6.
16. Install label grd-0A-18 (wire #) on both ends of the new black wire.
17. Secure wiring with cable ties.

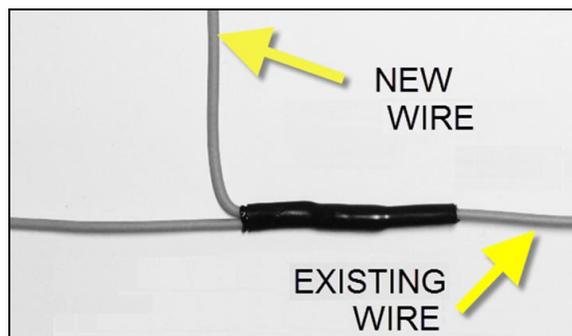


FIGURE 6

18. Fully wrap the new red wire with protective tape.
19. Run the new red wire from the dashboard up to the front service compartment.
20. Locate wire 24-F95-18 connected to connector VECF:3F.
21. Splice the new red wire with the existing wire 24-F95-18 connected to VECF:3F.
22. Install label 24-F95-18 (wire #) on both ends of the new red wire.
23. Seal the splicing with shrink tubing as shown in Figure 6.
24. Secure the wiring with cable ties.
25. Test the Brigade system.
26. Bulletin is complete.

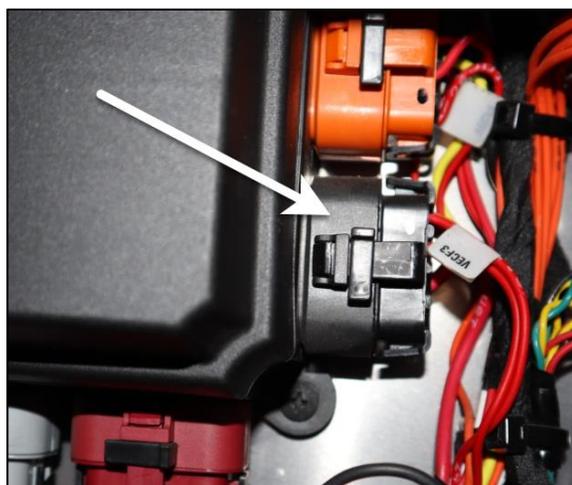


FIGURE 7

PROCEDURE WITH MONITOR CONNECTOR A29
 For H3 model, from 2PCH33492KC710212 up to 2PCH33498LC720812
 Plus for X3 model, vehicle 2PCG33495LC736493

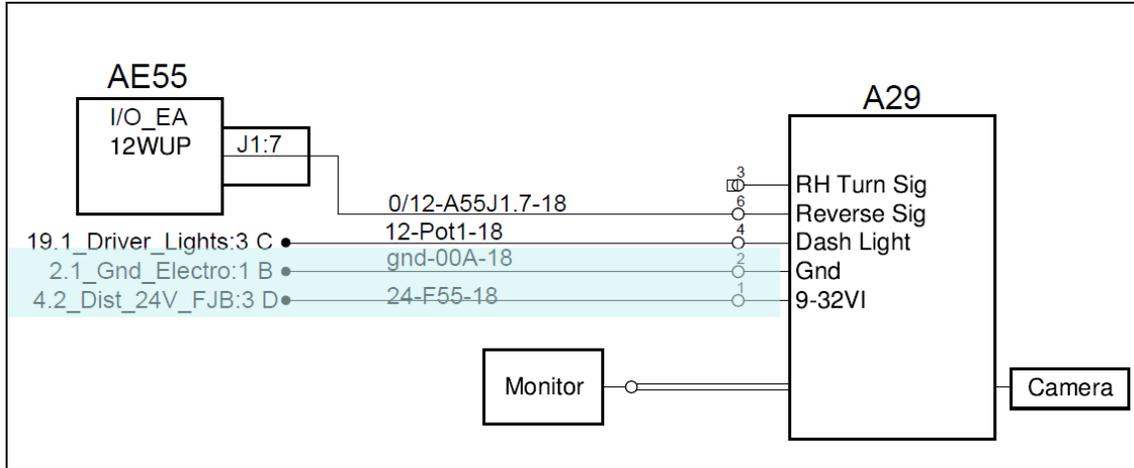


FIGURE 8: ORIGINAL CIRCUIT WITH CONNECTOR A29

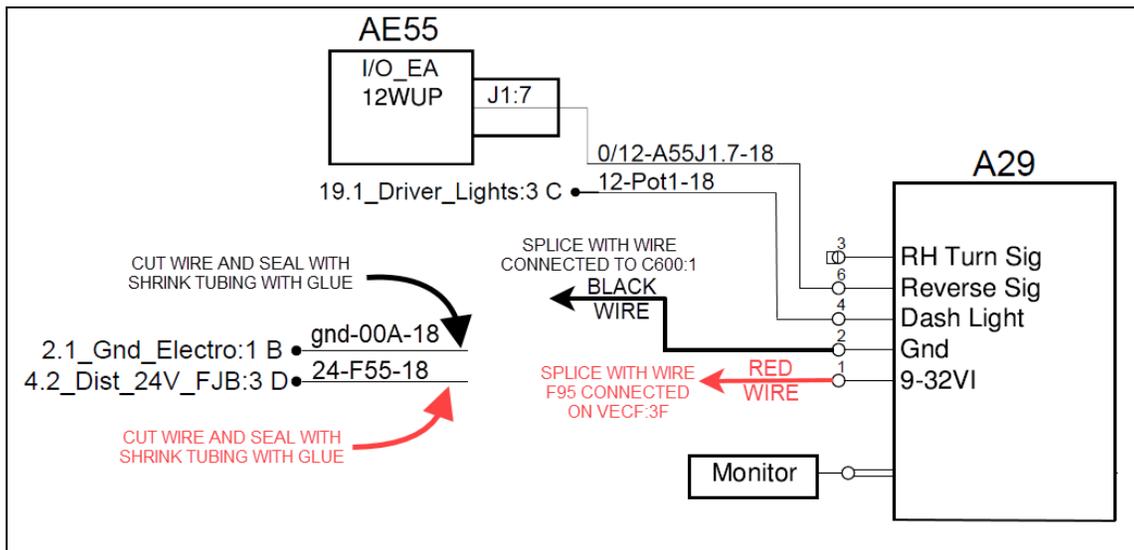


FIGURE 9: CIRCUIT MODIFICATIONS WITH CONNECTOR A29

27. Locate the monitor connectors A29 into the dashboard.
28. Disconnect existing wire F55 in the male connector A29:1.

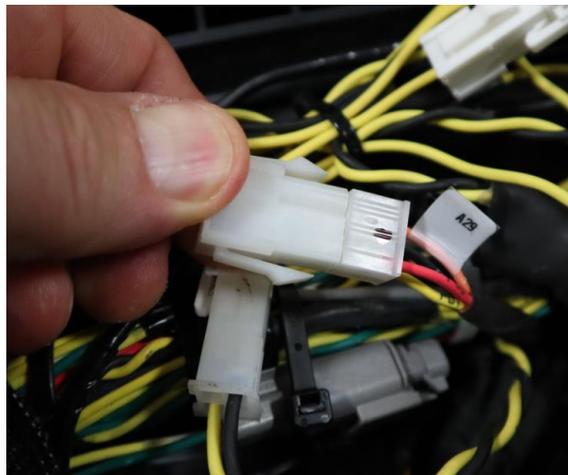


FIGURE 10

29. Cut the existing wire F55 to remove terminal and seal wire with shrink tubing as shown in Figure 11.
30. Disconnect existing wire 00A in male connector A29:2.
31. Cut the existing wire 00A to remove terminal and seal wire with shrink tubing as shown in Figure 11.
32. Install a terminal #562463 on one end of the new red wire and on one end of the new black wire.
33. Connect new red wire in male connector A29:1.
34. Connect new black wire in male connector A29:2.
35. Locate female connector C600:1 and wire grd-0A-18 into the dashboard.

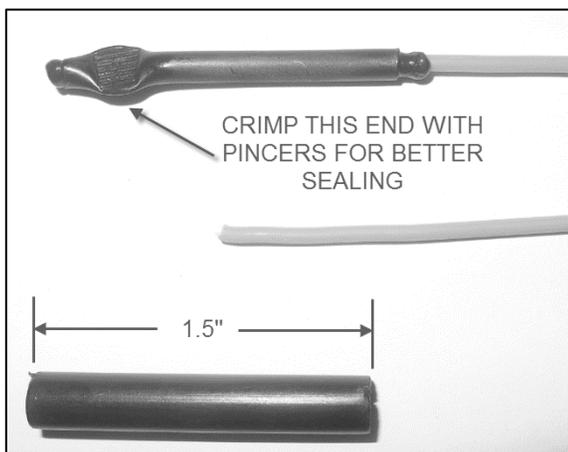


FIGURE 11

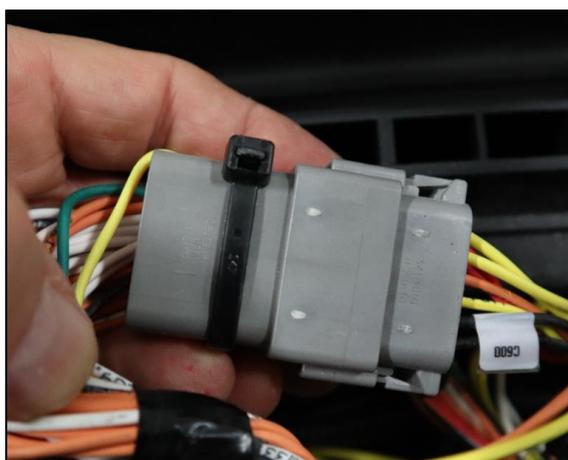


FIGURE 12

36. Splice new black wire with wire grd-0A-18 connected to female connector C600:1.
37. Seal the splicing with shrink tubing as shown in Figure 13.
38. Install label grd-0A-18 (wire #) on both ends of the new black wire.
39. Secure the wiring with cable ties.

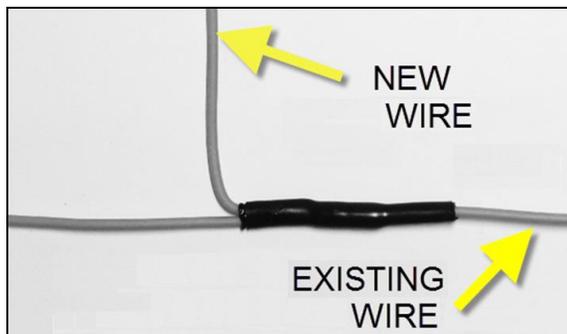


FIGURE 13

40. Fully wrap the new red wire with protective tape.
41. Run the new red wire from the dashboard up to the front service compartment.
42. Locate wire 24-F95-18 connected to connector VECF:3F.
43. Splice the new red wire with the existing wire 24-F95-18 connected to VECF:3F.
44. Install label 24-F95-18 (wire #) on both ends of the new red wire.
45. Seal the splicing with shrink tubing as shown in Figure 13.
46. Secure the wiring with cable ties.
47. Test the Brigade system.
48. Bulletin is complete.

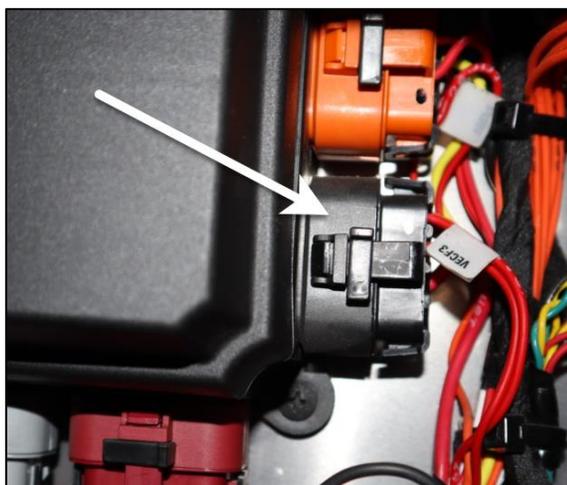


FIGURE 14

ESTIMATED TIME

Estimated time for this bulletin is 1h00.

PARTS / WASTE DISPOSAL

Discard according to applicable environmental regulations (Municipal/State[Prov.]/ Federal)

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