



SPARTAN CHASSIS, INC.

TSB09-530-001

February, 2009

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TECHNICAL SERVICE BULLETIN

SUBJECT: Lighting – Overhead Dome

APPLIES TO: Certain Spartan Firetruck Cab/Chassis equipped with a 2007 V-MUX electrical system and having a VDM (Vehicle Date of Manufacture) of February 10, 2007 through February 16, 2009.

CONDITION: When manually activating the white/clear portion of the dome light via the switch on the light, both the light on the right and left side of the truck come on.

PLEASE READ THE ENTIRE BULLETIN BEFORE PROCEEDING WITH ANY WORK. CONTACT SPARTAN CHASSIS INC. IF THERE ARE ANY CONCERNS WITH THE PROCEDURES CONTAINED IN THIS DOCUMENT.

PART / SERVICE INFORMATION:

Labor Time: 1.0 Hrs.

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
1	S-2044-001A	Kit – Diode In Overhead Dome Lighting (4-Door)

Kit # S-2044-001A Contains:

<u>QTY.</u>	<u>Part Number</u>	<u>Description</u>
8	08900420	Conn M 1-way 56 Lk Type
4	02977253	Conn F 1-way 56 Lk Type
4	0636-GG5-E08	Term F Spde. .25 56 14-16
8	0636-GG5-D02	Term M Spde. .25 56 14-16
4	0172-GG3-005	Asm. Diode 10Amp
1	TSB09-530-001	Document Instructions

STEP-BY-STEP INSTRUCTIONS:

1. Observe all applicable industry safety standards, disconnect any necessary power source and secure vehicle for adding diodes to overhead dome lights.

Technical Service Bulletins are intended for use by Professional Technicians only. They are written to guide Professional Technicians in performing service to vehicles of product specific nature in conjunction with industry standards. Professional Technicians are appropriately trained on industry standards and have the tools and equipment to perform procedures safely and properly.



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Gladiator Headliner Removal

2. Remove all screws in ABS plastic trim headliner, along each side of the cab. Retain all screws for reuse.
3. Remove plastic trim and pull down headliner at each side of cab to gain access to dome light wiring. Retain plastic trim for reuse. Skip to step number 6.

MetroStar Headliner Removal

4. Carefully remove trim buttons from headliner, along each side of the cab to gain access to screws for headliner removal. Retain trim buttons for reuse.
5. Remove screws along each side of cab headliner to gain access to dome light wiring. Retain all screws for reuse.

Adding Diode(s)

6. Locate 3-way connector in cab raceway next to dome light.
7. Locate SP142 wire that is connected to the white wire of dome light.
8. Cut SP142 wire (white) 2" from dome light and strip approximately 1/8" of coating from each end of wires.
9. Cut eyelet from diode and strip approximately 1/8" of coating from wire.
10. Crimp male spade terminal (0636-GG5-D02) to white wire of diode, add male connector (08900420).
11. Crimp female spade terminal (0636-GG5-D08) to SP142 wire coming out of 3-way connector, add female connector (02977253).
12. Crimp male spade terminal (0636-GG5-D02) to opposite end of SP142 wire, add male connector (08900420).
13. Refer to FIG. 3-1. Connect the diode into circuit as shown.
14. Repeat on all red/clear dome lights above cab doors.
15. Reinstall headliner using hardware retained in previous steps

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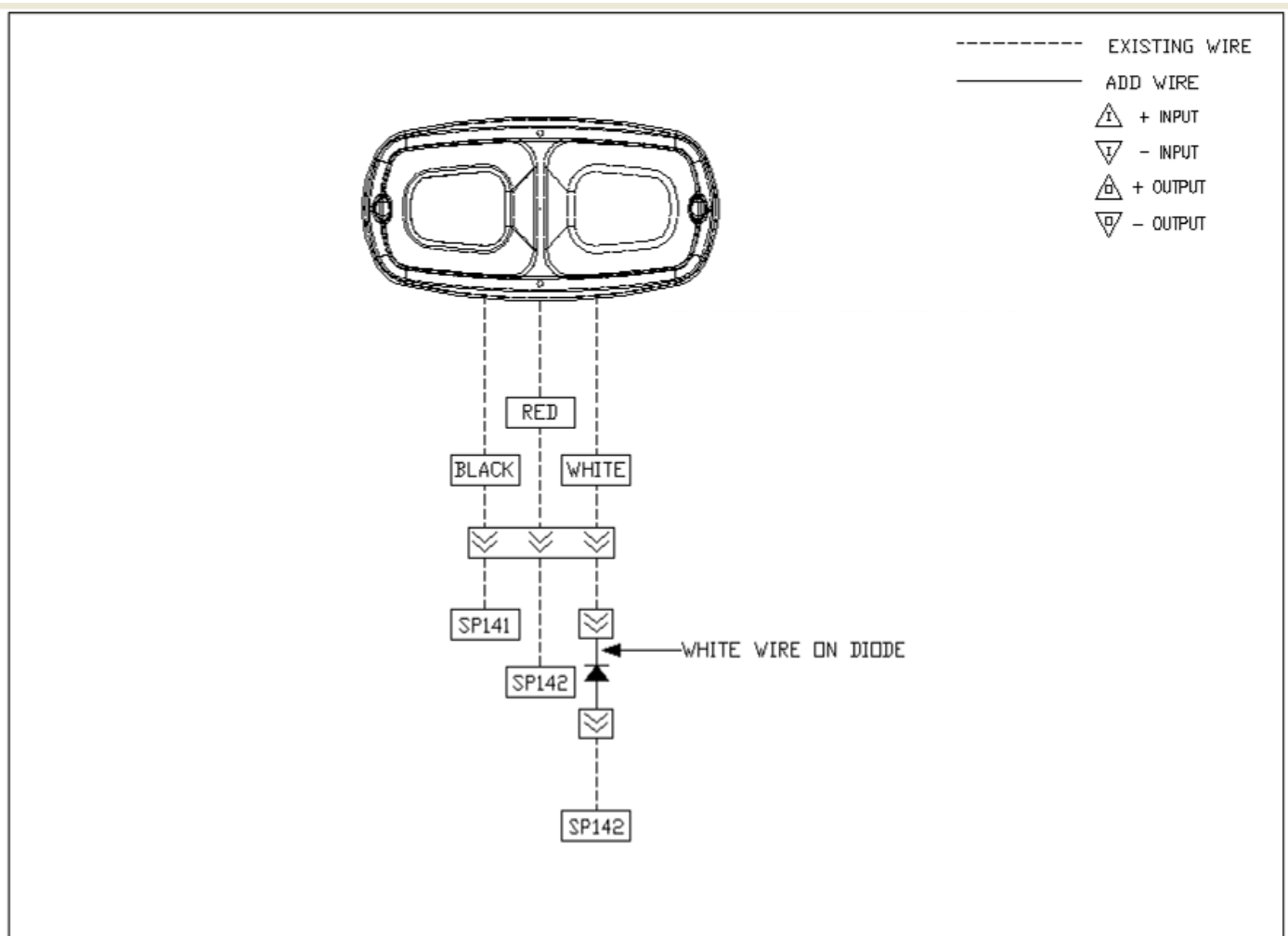
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16. If any power source was disconnected reconnect power source.



DOME LIGHT WIRING

FIG. 3-1

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