

TECHNICAL BULLETIN - #701  
SUBJECT: LED #290 STOP ARM UPGRADE KIT  
SPECIAL REAR Blue Bird S/A INSTALLATION INSTRUCTIONS  
Effective 4/08/07

Thank you for choosing Specialty LEDs for the added safety of your fleet. Once installed, the stop arm of your bus will attract motorist's attention and stop traffic with long lasting high bright lighting combined with the many benefits of LED technology.

*In the case of replacing the Rear Stop Arm LED Lights (SMC# 000290 (LED Kit)), an alternative to wiring directly to the stop signal as detailed in the 290 instruction manual (enclosed with the 290 LED Light Kit), is detailed here:*

- 1) Taking the old 290 LED Light system, as you begin to remove it, you need to cut the cable running into the bus system above the black heat shrink so that when the entire light assembly is removed, you will be left with the original red cable, and, the black heat shrink area with at least two inches of extra red cable beyond which the new light assembly can be connected.
- 2) On the red cable, which was cut above the black heat shrink, strip back the red jacket about one inch.
- 3) The white wires need to cut down flush with the red jacket. These will not be used.
- 4) Strip back the two black wires, and, the two red wires, about a quarter inch.
- 5) Twist the two red wires together, and, the black wires together. Soldering these pairs together will insure a excellent quality connection but isn't completely necessary if they are twisted well.
- 6) Crimp the two black wires into the male disconnect, and the same for the two red wires. The male disconnect recommended is Panduit Part Number: **DMNF2-63FIM-C**. This connector may be substituted with an equivalent. Also, the male disconnect can be ordered from SMI under part number 008628. The crucial consideration is the connection has to be robust for the reliable application of these lights.



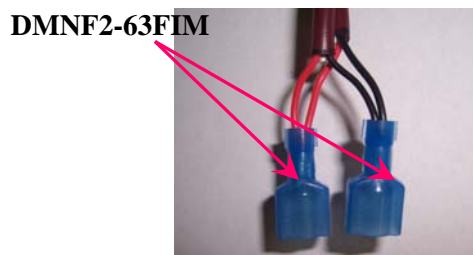
Item 1



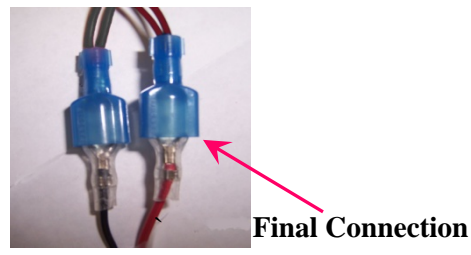
Item 2 & 3



Item 4 & 5



DMNF2-63FIM



Final Connection

*For technical assistance and customer service please call us at 1-800-951-7867*