



# Kirby Morgan Dive Systems, Inc.®

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## Part #515-061

### Terminal Block Kit

#### For SuperLite® 17A/B, 17C and Band Masks® 18 and 28

#### Tools needed:

120 grit sandpaper

RTV 732 Silicone

Small blade flat head screwdriver

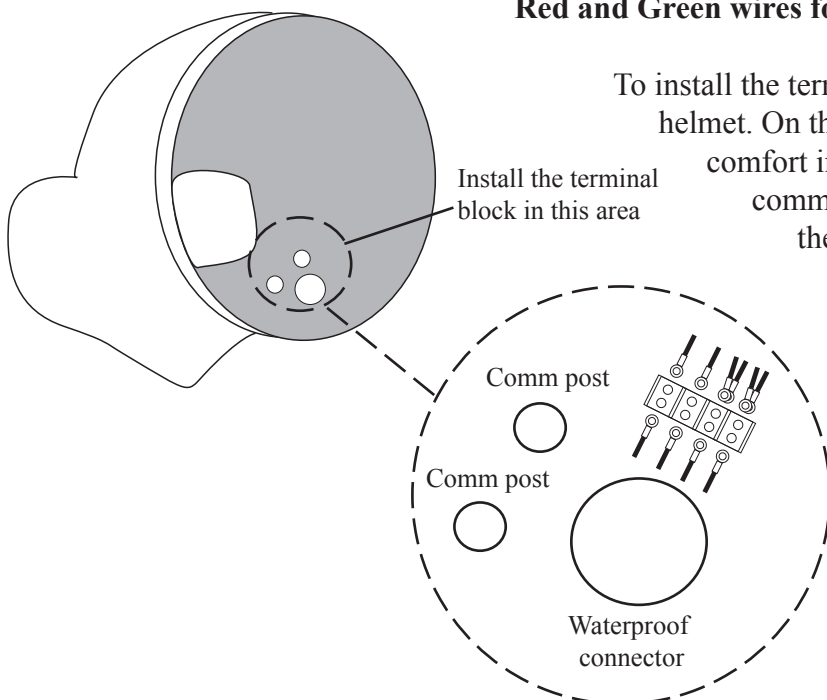
The KMDSI Terminal Block P/N 515-061 was designed to allow for easy set up of a “four wire” or “round robin” communication system.

A four wire system allows the diver, tender, supervisor, or any other personnel in the communications loop to both transmit and receive at the same time, just as a telephone would. The microphone and earphones are wired to separate systems in order to make this possible. The need for a “push to talk” button is eliminated if using a head set with boom microphone in a four wire system, but the system may be used in a two wire mode if necessary.

When installing the terminal block into a SuperLite® 17A/B/C helmet or KMB 18/28 Band Mask®, a wire coding plan should first be determined. The code chosen should match the pattern used in the umbilical communications cable. Choose the communication wire colors to be matched for the microphone circuit, and those to be matched for the earphone circuit. The standard wire coding used for the communications umbilical (water proof connector) at KMDSI is as follows:

**White and Black for the microphone circuit.**

**Red and Green wires for the earphone circuit.**



To install the terminal block, remove the head cushion from the helmet. On the KMB 18 or 28 remove the hood, bands, and comfort insert. Then remove all the terminal lugs from the communication posts inside the mask or helmet, with the exception of the KMB 28, which is left loose, install the terminal block in the area shown on the diagram using the following instructions:

#### Terminal Block Installation

1. Lightly sand the area on the helmet or mask where the terminal block is to be installed.

**NOTE:** The Band Mask® 28 does not have the terminal block attached to its frame. The block is allowed to be left loose and “float” unattached. If you are working on a 28, skip to step 4.

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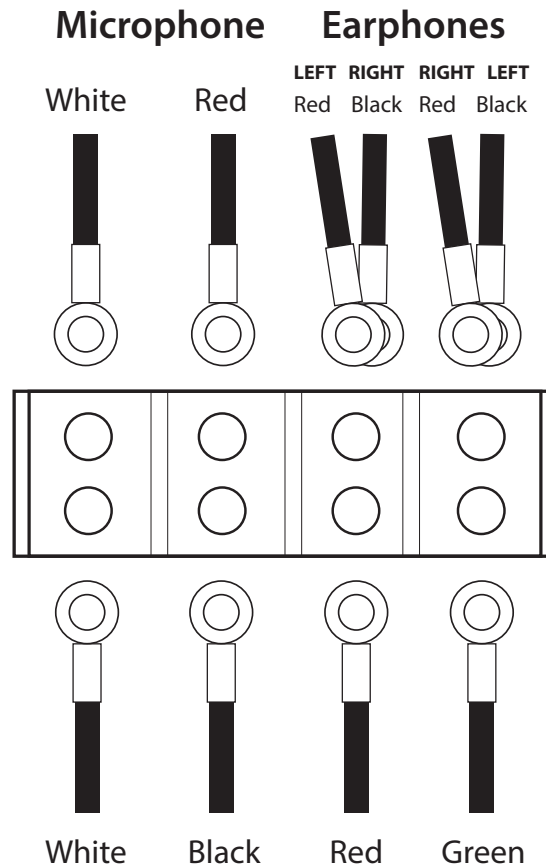
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2. Apply enough RTV (room temperature vulcanizing) silicon sealant to cover the bottom of the terminal block.
3. Press the terminal block into place. Let the silicone sealant dry for at least 24 hours before proceeding.
4. The waterproof connector may now be installed on the side closest to the waterproof connector terminals, using the selected wire color code. If the KMDSI code is used, the white & black wires are connected to the microphone, and the red & green wires are connected to the earphones as shown.



5. The lugs on the earphones and microphone can now be connected onto the terminal block. One of the microphone lugs should go on the white and one on the red (either lug may go on either terminal; order does not matter). The earphone lugs go on the red & green terminals and although order does not matter, pairing the red & black from opposite earphones is recommended.

## ⚠ CAUTION

**Use only KMDSI original replacement parts. The use of other manufacturers' parts will interfere with the performance characteristics of your life support equipment and may jeopardize your safety. Additionally, any substitutions will void any warranties offered by KMDSI. When ordering spares, always insist on Kirby Morgan Genuine Parts.**