

///CODE 3® Installation and Operation Instructions

CODE 3 CONNECT - SUV HARNESSES

IMPORTANT! Read all instructions before installing and using. Installer: This manual must be delivered to the end user.



WARNING!

Failure to install or use this product according to manufacturer's recommendations may result in property damage, serious injury, and/or death to those you are seeking to protect!



Do not install and/or operate this safety product unless you have read and understood the safety information contained in this manual.

1. Proper installation combined with operator training in the use, care, and maintenance of emergency warning devices are essential to ensure the safety of emergency personnel and the public.
2. Emergency warning devices often require high electrical voltages and/or currents. Exercise caution when working with live electrical connections.
3. This product must be properly grounded. Inadequate grounding and/or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire.
4. Proper placement and installation is vital to the performance of this warning device. Install this product so that output performance of the system is maximized and the controls are placed within convenient reach of the operator so that they can operate the system without losing eye contact with the roadway.
5. Do not install this product or route any wires in the deployment area of an air bag. Equipment mounted or located in an air bag deployment area may reduce the effectiveness of the air bag or become a projectile that could cause serious personal injury or death. Refer to the vehicle owner's manual for the air bag deployment area. It is the responsibility of the user/operator to determine a suitable mounting location ensuring the safety of all passengers inside the vehicle particularly avoiding areas of potential head impact.
6. It is the responsibility of the vehicle operator to ensure daily that all features of this product work correctly. In use, the vehicle operator should ensure the projection of the warning signal is not blocked by vehicle components (i.e., open trunks or compartment doors), people, vehicles or other obstructions.
7. The use of this or any other warning device does not ensure all drivers can or will observe or react to an emergency warning signal. Never take the right-of-way for granted. It is the vehicle operator's responsibility to be sure they can proceed safely before entering an intersection, drive against traffic, respond at a high rate of speed, or walk on or around traffic lanes.
8. This equipment is intended for use by authorized personnel only. The user is responsible for understanding and obeying all laws regarding emergency warning devices. Therefore, the user should check all applicable city, state, and federal laws and regulations. The manufacturer assumes no liability for any loss resulting from the use of this warning device.

Specifications

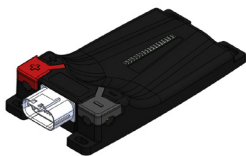
Input Voltage: 12 VDC

Input Current: Varies based on hardware selected

Temp Range: -40°C to 65°C

-40°F to 149°F

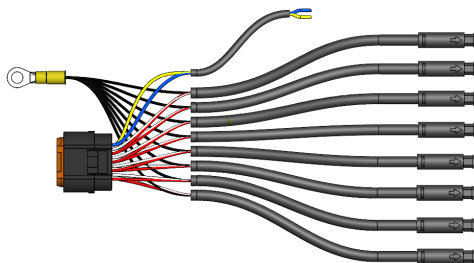
Kit Contents



SWITCHNODE-C3C



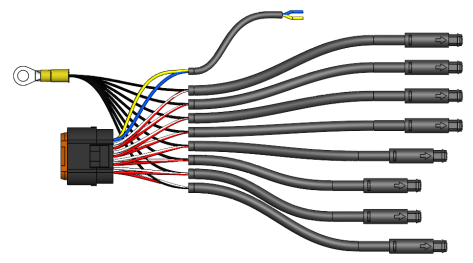
9X 2PCB SPLITTER COVERS



C3C08 FRONT HARNESS

**Image does not reflect actual cable length*

OR



C3C09 REAR HARNESS

**Image does not reflect actual cable length*

Installation and Mounting

- 1. Mount and apply power/ground to the Switchnode and Z3 or SIB in the vehicle as instructed in the individual product install manuals.
 - 2. Attach the SUV harness (C3C08 or C3C09) to the Switchnode.
 - 3. Route the CAN line on the harness (Connector 0) back to the SIB or Z3. The brown wire connects into the “B” side of the CAN port. The white wire connects into the “Y” side of the CAN port. See Figure 2.
 - 4. Attach the ring terminal from the brown grounding wires to the ground lug of the Switchnode (torque to 20 in-lb).
 - 5. Route each cable from the SUV harness to where the lightheads will be mounted on the vehicle. Use arrow indicators on connectors for proper alignment when attaching lightheads. Add optional covers. See Figure 4.
- Note:** Mount the lightheads per the install instructions included with each product. Some lightheads may include two connectors. Each connector will connect back to the Switchnode outputs.
- 6. Where needed, splitters can be used to support multiple lightheads on the same output. Splitters are sold separately. See Figure 3.

Splitters and Covers

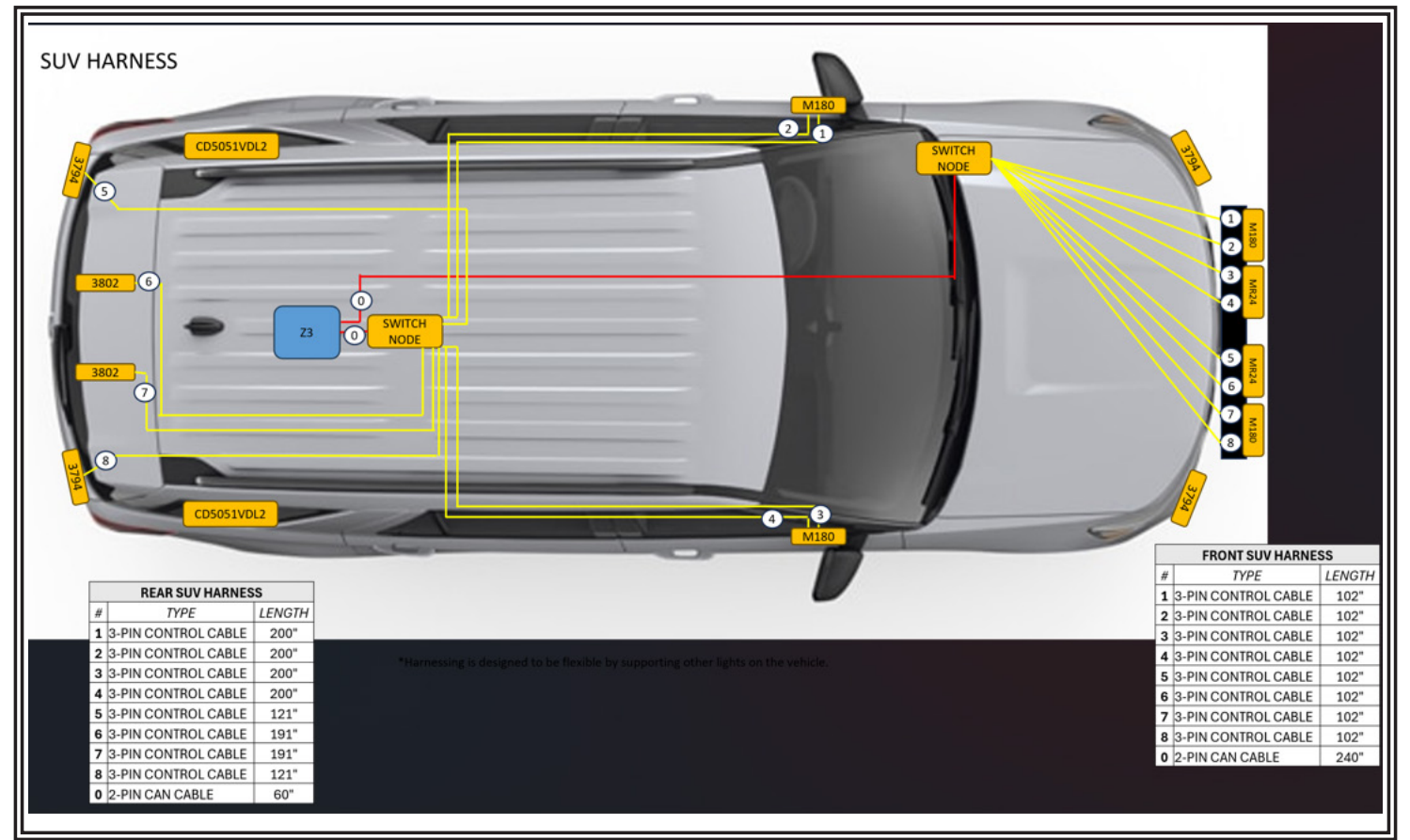
Covers and Splitters are available for use with the system. The covers provide up to 55lbs of breaking force between connections. The splitters allow multiple lightheads to be powered from one output up to 5A. See Figures 3 and 4.

Lighthead Cables

Each harness includes eight output cables routed to different sections of the vehicle. Refer to Image X for detailed cable lengths.

If additional reach is required, optional jumper cables are available for purchase. Secure any excess cable using zip ties to prevent movement or interference with other components.

All cables are water-resistant and suitable for installation in both dry and damp locations.



Programming

Use Matrix to program the lightheads based on your requirements. Each connector corresponds to Switchnode output wires in the software.

Connector	C3C08 - Front Harness	C3C09 - Rear Harness
1	Orange/White	Black/White
	Orange	Black/Yellow
2	Red/White	Purple/White
	Red/Black	Purple
3	White	White
	White/Black	White/Black
4	Blue/White	Orange/White
	Blue/Black	Orange
5	Purple/White	Yellow/White
	Purple	Yellow/Black
6	Green	Green
	Green/Black	Green/Black
7	Black/White	Blue/White
	Black/Yellow	Blue/Black
8	Yellow/White	Red/White
	Yellow/Black	Red/Black

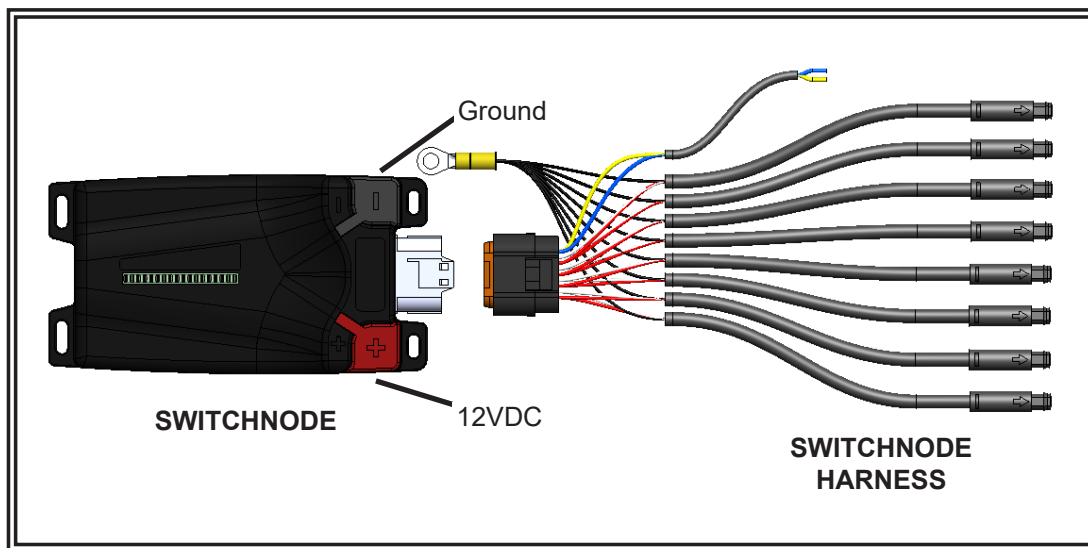
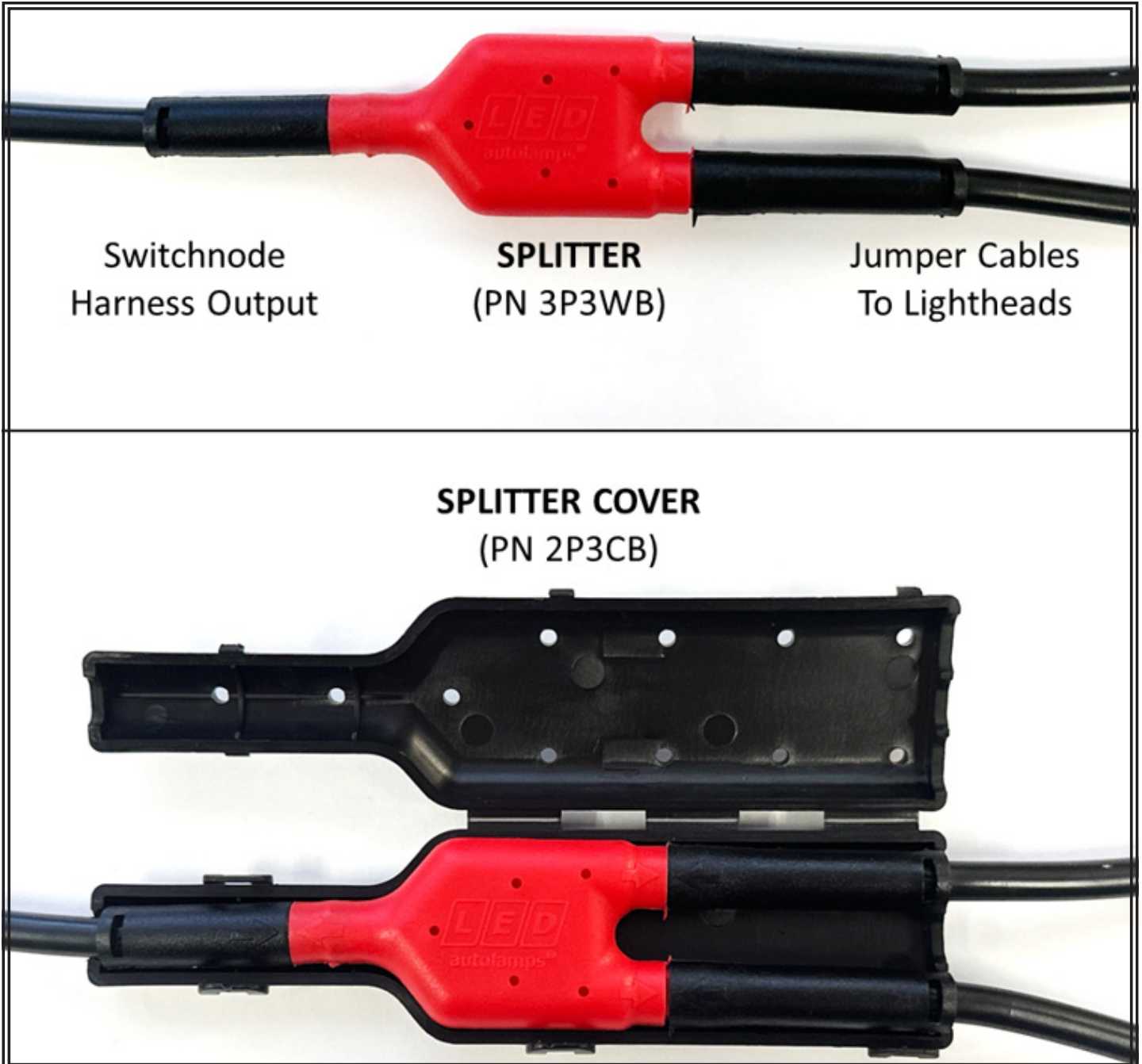


Figure 1



Figure 2



Switchnode
Harness Output

SPLITTER
(PN 3P3WB)

Jumper Cables
To Lightheads

SPLITTER COVER
(PN 2P3CB)

Figure 3

Splitter with Cover

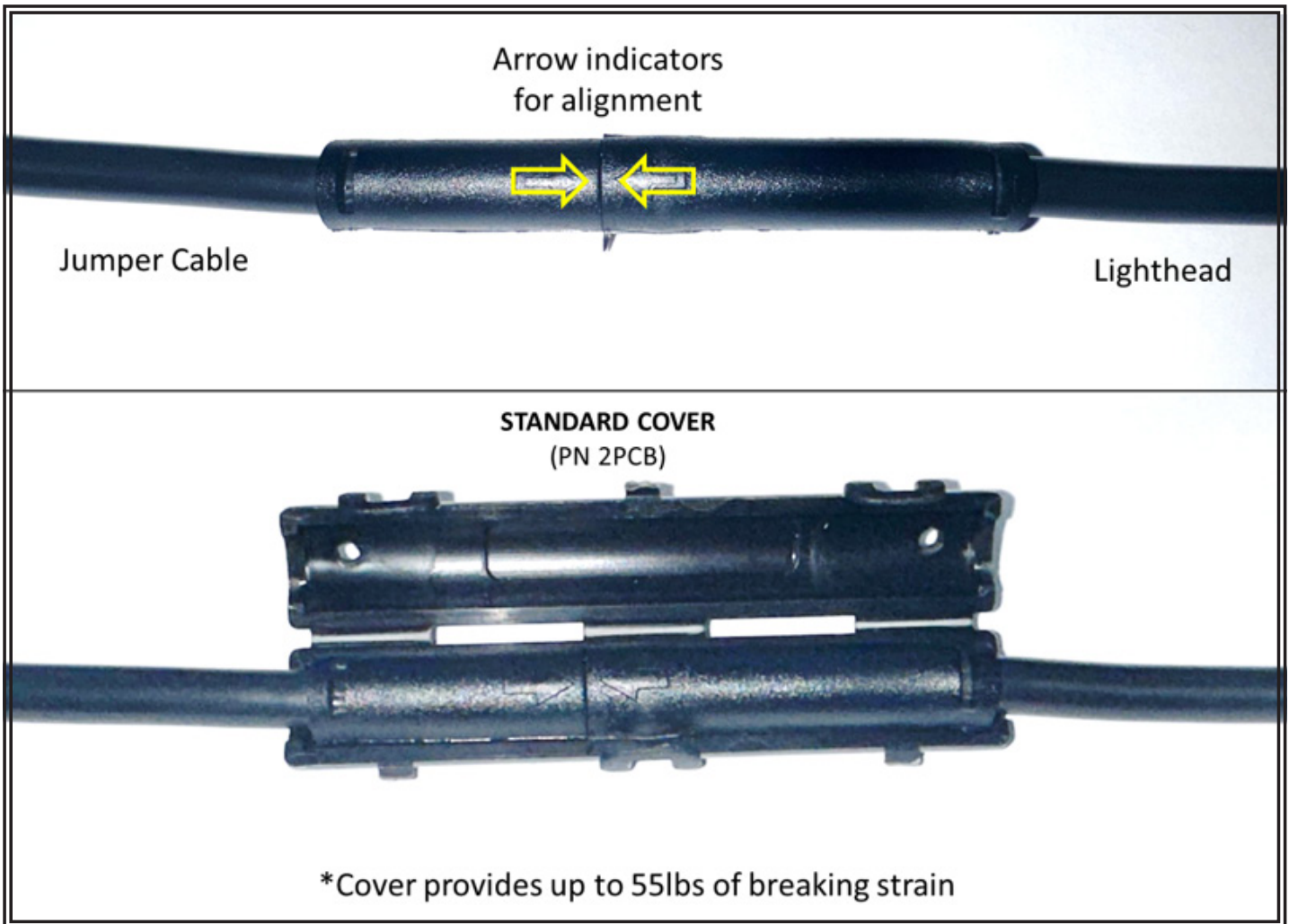


Figure 4
QuickLink Connectors and Cover

Warranty

Manufacturer Limited Warranty and Limitation of Liability:

Manufacturer warrants that on the date of purchase, this product will conform to Manufacturer's specifications for this product (which are available from the Manufacturer upon request). This Limited Warranty extends for sixty (60) months from the date of purchase.

DAMAGE TO PARTS OR PRODUCTS RESULTING FROM TAMPERING, ACCIDENT, ABUSE, MISUSE, NEGLIGENCE, UNAPPROVED MODIFICATIONS, FIRE OR OTHER HAZARD; IMPROPER INSTALLATION OR OPERATION; OR NOT BEING MAINTAINED IN ACCORDANCE WITH THE MAINTENANCE PROCEDURES SET FORTH IN MANUFACTURER'S INSTALLATION AND OPERATING INSTRUCTIONS VOIDS THIS LIMITED WARRANTY.

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