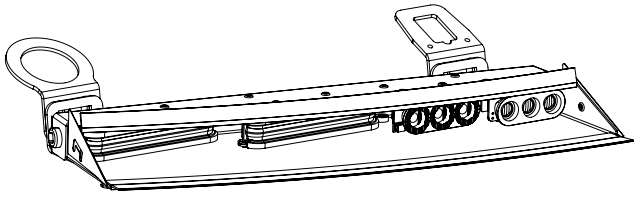
CODE 3®

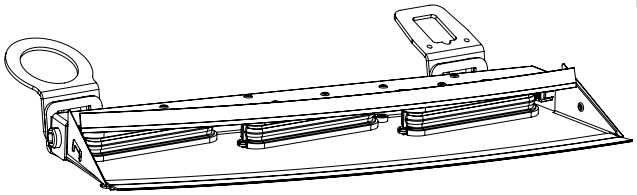
Installation and Operation Manual

SuperVisor Flex™
Interior Lighting System

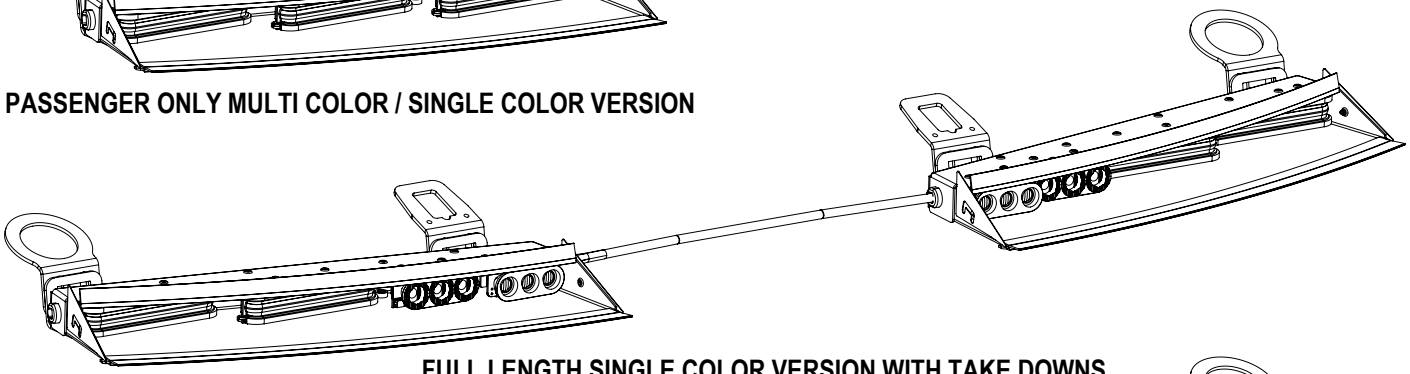
Patent Pending See https://secure.code3pse.com/patents/



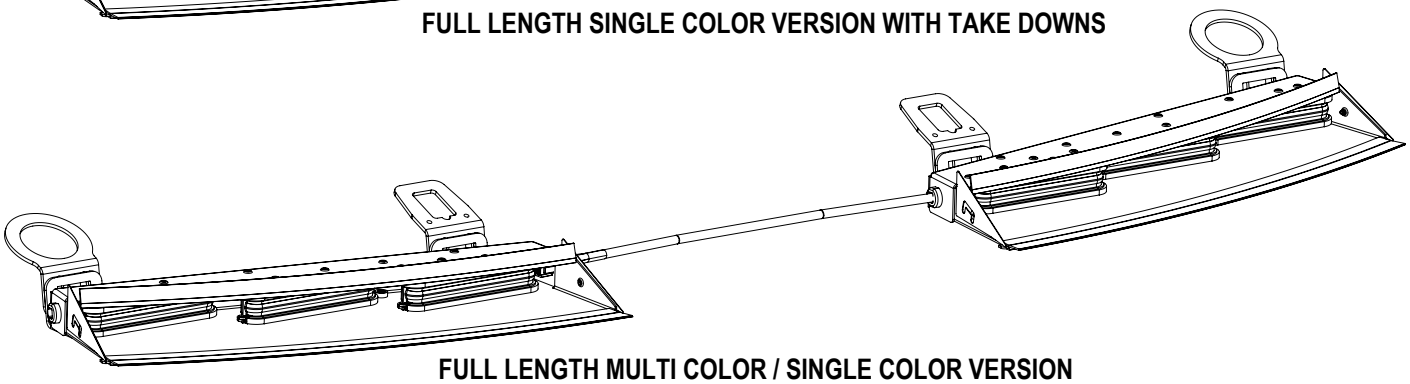
PASSENGER ONLY SINGLE COLOR VERSION WITH TAKE DOWNS



PASSENGER ONLY MULTI COLOR / SINGLE COLOR VERSION



FULL LENGTH SINGLE COLOR VERSION WITH TAKE DOWNS



FULL LENGTH MULTI COLOR / SINGLE COLOR VERSION

CONTENTS:

For future reference, record your product's serial no. here _____

IMPORTANT: ***Read all instructions and warnings before installing and using.***

INSTALLER: ***This manual must be delivered to the end user of this equipment.***

Introduction:

The SuperVisor Flex™ (hereafter calld the "Unit") is an interior lighting system that fits in the visor area near the top of the windshield. The SuperVisor Flex comes with up to (6) 18 LED Multi Color Light Heads or (6) 9 LED Single Color Light Heads or a totally single color version with up to (4) 9 LED Single Color Torus Light Heads and up to (4) Torus Take Downs or (4) 3 LED IF Light Heads.

Product Features:

Torus light head options: 18 LED Multi Color = Red/Blue, Red/White, Red/Amber, Blue/White, and Blue Amber
9 LED and 3LED Single Color Flashing = Red, Blue, Amber, and White--------All are Independent Flashing
3 LED Take Down Lights = White

Size Full Unit: 55.50" MAX length (Including Center Cable) X 1.25" tall X 5.50" deep----------Weight: 7.5 lbs
Size Pass Only Unit: 18.75" length X 1.25" tall X 5.50" deep----------Weight: 4.0 lbs

WARNING!

The use of this or any warning device does not ensure that all drivers can or will observe or react to an emergency warning signal. Never take the right-of-way for granted. It is your responsibility to be sure you can proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes. The effectiveness of this warning device is highly dependent upon correct mounting and wiring. Read and follow the manufacturer's instructions before installing or using this device. The vehicle operator should insure daily that all features of the device operate correctly. In use, the vehicle operator should insure the projection of the warning signal is not blocked by vehicle components (i.e.: open trunks or compartment doors), people, vehicles, or other obstructions. This equipment is intended for use by authorized personnel only. It is the user's responsibility to understand and obey all laws regarding emergency warning devices. The user should check all applicable city, state and federal laws and regulations. Code 3, Inc., assumes no liability for any loss resulting from the use of this warning device. Proper installation is vital to the performance of this warning device and the safe operation of the emergency vehicle. It is important to recognize that the operator of the emergency vehicle is under psychological and physiological stress caused by the emergency situation. The warning device should be installed in such a manner as to: A) Not reduce the output performance of the system, B) Place the controls within convenient reach of the operator so that he can operate the system without losing eye contact with the roadway. Emergency warning devices often require high electrical voltages and/or currents. Properly protect and use caution around live electrical connections. Grounding or shorting of electrical connections can cause high current arcing, which can cause personal injury and/or severe vehicle damage, including fire. Any electronic device may create or be affected by electromagnetic interference. After installation of any electronic device operate all equipment simultaneously to insure that operation is free of interference. Never power emergency warning equipment from the same circuit or share the same grounding circuit with radio communication equipment. All devices should be mounted in accordance with the manufacturer's instructions and securely fastened to vehicle elements of sufficient strength to withstand the forces applied to the device. Driver and/or passenger air bags (SRS) will affect the way equipment should be mounted. This device should be mounted by permanent installation and within the zones specified by the vehicle manufacturer, if any. Any device mounted in the deployment area of an air bag will damage or reduce the effectiveness of the air bag and may damage or dislodge the device. Installer must be sure that this device, its mounting hardware and electrical supply wiring does not interfere with the air bag or the SRS wiring or sensors. Mounting the unit inside the vehicle by a method other than permanent installation is not recommended as unit may become dislodged during swerving, sudden braking or collision. Failure to follow instructions can result in personal injury. PROPER INSTALLATION COMBINED WITH OPERATOR TRAINING IN THE PROPER USE OF EMERGENCY WARNING DEVICES IS ESSENTIAL TO INSURE THE SAFETY OF EMERGENCY PERSONNEL AND THE PUBLIC.

Unpacking & Pre-installation

Carefully remove the Unit and place it on a flat surface, taking care not to scratch the lenses or damage the cable coming out of the Housing. Examine the unit for transit damage, broken optics, LED's, etc. Report any damage to the carrier and keep the shipping carton.

Standard light bars are built to operate on 12 volt D.C. negative ground (earth) vehicles. If you have an electrical system other than 12 volt D.C. negative ground (earth), and have not ordered a specially wired light bar, contact the factory for instructions.

Test the unit before installation. To test, touch the black wire to the ground (earth) and the other wires to +12 volts D.C., in accordance with the instructions attached to the cable (an automotive battery is preferable for this test). A battery charger may be used, but note that some electronic options may not operate normally when powered by a battery charger. If problems occur at this point, contact the factory!

Note: Before beginning the installation process, be absolutely certain that the Light Bar functions as desired (See pages 8 & 9 for options)!

WARNING! Utilizing non-factory supplied screws and/or mounting brackets and/or the improper number of screws may result in loss of warranty coverage on the equipment.

Mounting Hardware - All mounting hardware is packed in a small bag inside the main carton. See pages 13 & 14 for the Exploded View, part descriptions, and quantities.

Installation & Mounting Instructions: **Full SuperVisor Flex or Passngr Only SuperVisor Flex**

Note to the installer: The following steps for the installation of the Unit may seem redundant or unnecessary, but in order for the product to fit and perform properly these steps are necessary. The Unit's Inner and Outer Mounting Brackets may require some trimming to properly fit the irregular recessed shapes of the the vehicle's headliner fabric, the shapes of the plastic sun visor pivot brackets, and the shapes of the sun visor clip brackets. Many times the plastic brackets are recessed up into the fabric of the headliner. These recesses will require that the outer edges of the Unit's Outer Mounting Brackets be trimmed to fit into the recess. The fit of the Unit's Inner and Outer Mounting Brackets to the headliner can greatly affect the angles the brackets will be at when installed due to the inconsistant crush of the vehicle's headliner fabric and the irregular shapes of the vehicle's sheet metal above the headliner fabric.The Unit's Inner and Outer Mounting Brackets may require bending to align with the Unit's Slotted Mounting Brackets and Outer Panels in the final assembly. The most important issue in the installation is that the Unit must be securely fastened to the vehicle for passeneger safety and the unit must be level in the vehicle to insure that the light bar will perform as intended (See Figure 4 on page 6). The installation process may require trial and error to make adjustments to the Unit's Brackets to fit properly in their final location.

Step 1 Remove the vehicle's plastic outer visor pivot brackets to determine which of the Unit's Outer Mounting Bracket sets best fit the vehicle (See Figure-1 on page 5 for the available options). The Standard Round Outer Mounting Bracket with the Triangular Washer will be the most commonly used set as the Triangular Washer allows the Round Outer Mounting Bracket to rotate to accomodate extreme angles of rotation for adjustment while allowing the triangular hole in the washer to align with the most common visor pivot bracket. If none of the Unit's Outer Mounting Bracket versions appear to work for your application the Unit's Rectangular Outer Mounting Brackets may be cut off as shown in Figure 3 on page 6. The brackets may then be used as a template to drill (2) 9/64" .140" diameter mounting holes directly through the fabric of the headliner and through the vehicle's sheet metal above the headliner so that the brackets can be mounted directly to the vehicle's headliner using the supplied #8 X 1" Black Phillips Truss Head Sheet Metal Screws. **Caution: Before doing any drilling in the vehicle, refer to the vehicle's service manual to pull the fabric headliner down slightly and observe the locations of any wiring or sensing devices to avoid doing damage to them!!! Also be very careful not to drill through the vehicle's roof.** If none of the bracket options are appropriate to the vehicle you are installing the Unit in, it may be necessary to make your own mounting brackets.

Step 2 Remove the vehicle's plastic inner visor clips. In a majority of vehicles the plastic inner visor clips will fit in the rectangular hole in the Unit's Inner Mounting Brackets but the Inner Mounting Brackets may require some modification with a file or other cutting tool to clear the shapes in the vehicle's plastic visor clips. For vehicles with smaller inner visor clips you may need to use the supplied Rectangular Washer in your vehicle application. Make any necessary modifications to the Inner Mounting Brackets to make the vehicle's plastic visor brackets fit in the hole. If the Inner Mounting Brackets do not work, the Inner Mounting Brackets may also be cut off as shown in Figure 3 on page 6 and the brackets can be mounted by using the brackets as a template to drill (2) 9/64" .140" diameter mounting holes directly in the vehicle's headliner and the sheet metal above the headliner fabric so that the brackets can be mounted directly to the vehicle's headliner using the supplied #8 X 1" Black Phillips Truss Head Sheet Metal Screws. **Caution Again: Before doing any drilling in the vehicle, pull the headliner down slightly and observe the locations of any wiring or sensing devices to avoid doing damage to them!!! Again as with the Outer Mounting Brackets, be very careful not to drill through the vehicle's roof.** If none of the bracket options are appropriate to the vehicle you are installing the Unit in, it may be necessary to make your own mounting brackets for your application.

Step 3 Loosely fasten each of the Unit's Outer and Inner Mounting Brackets to a Slotted Mounting Bracket with (2) of each of the provided 1/4"-20 X 1/2" long Carriage Bolts, 1/4" Internal Tooth Lock Washers, and the 1/4"-20 Acorn Nuts as shown in Figure-2 on page 6. The Carriage bolts can be located in the slots in the brackets in what ever combination of locations works best for your application to position the brackets at the required angles.

Note: Figure-2 only shows the assembly of the Unit's Inner Mounting Brackets but the assembly of the Outer Mounting Brackets is the same. As stated above and as shown in Figure-2, it is recommended that each Outer or Inner Mounting Bracket is attached to a Slotted Mounting Bracket with (2) of each of the 1/4"-20 X 1/2" long Carriage Bolts, 1/4" Internal Tooth Lock Washers, and the 1/4"-20 Acorn Nuts. While the design allows for a good deal of adjustment in some circumstances where the brackets need to be attached at an extreme angle to each other, it may be necessary to file out the mounting slots slightly in the brackets to accomodate the second fastener.

Installation and Mounting Instructions: Cont.

Step 4 Have an assistant hold either the Passenger or the Driver side of the the Unit up to the vehicle's windshield as close as possible to desired location. Make sure that the rubber gasket on the Unit's lower Panel folds down to conform to the vehicle's windshield curve and that the gasket at the top of the Unit folds back towards the passenger compartment to conform to the angle of the vehicle's windshield (See Figure 4 on page 6). **Note: In operation, the purpose of these gaskets is to block out as much flash back light from the driver's view as possible so that the driver will not be distracted.** While the Unit is held in position, hold up the Inner and Outer Mounting Bracket assemblies to the Outer Panel of the Unit to determine the appropriate mounting hole locations that best line up with the slots in the Slotted Mounting Brackets for each of the bracket assemblies.

Step 5 Loosley thread the 1/4" Internal Tooth Lock Washers, and the 1/4"-20 X 3/8" long Phillips Pan Head Screws into the the closest appropriate mounting hole locations for the hardware and make adjustments to position them close to their final position. See the under side view of the Unit Assembly in Figure 5 on page 6 for bracket assembly orientation and mounting hole adjustment choices. Line up the flanges in the Unit's Inner and Outer Mounting Brackets with the appropraite locations in the vehicle's headliner where the vehicle's visor pivot brackets and the visor clips were installed. Once the brackets are aligned, tighten the screws in the Unit's Outer Panel only tight enough too keep the Slotted Brackets in their orientation and keep them from moving so that they will stay in position.

Step 6 Observe the angles and positions of the Inner and Outer Mounting Brackets and then disassemble and remove them from the slotted mounting brackets.

Step 7 Hold the Unit's Outer Mounting Bracket for the side of the vehicle you have been working on up in position with the hole in the vehicle's headliner where the plastic outer visor pivot bracket was and determine what modifications if necessary will be required to make it fit up against the headliner at the approximate angle it was in when you observed it in step 6 above. Make any required modifications to make the bracket fit up against the headliner and fit the vehicle's plastic outer pivot bracket.

Step 8 Mount the Unit's Outer Mounting Bracket and the vehicle's plastic visor pivot bracket using the vehicle's OEM fasteners making sure the bracket is oriented at approximately the same angle it was at when you observed it in step 6 above. If the vehicle's OEM fasteners are too short either use the supplied #8 X 1" Black Phillips Truss Head Sheet Metal Screws or if the supplied fasteners will not work obtain appropriate screws at your local hardware store. Tighten the screws up to snug the Outer Mounting Bracket tight up against the vehicle's headliner and in position.

Step 9 Mount the Unit's Inner Mounting Bracket and the vehicle's inner visor clip using the vehicle's OEM fastener making sure the bracket is oriented at approximately the same angle it was at when you observed it in step 6 above. If the vehicle's OEM fastener is too short either use the supplied #8 X 1" Black Phillips Truss Head Sheet Metal Screw or if the supplied fasteners will not work obtain appropriate screws at your local hardware store. Tighten the screw up to snug the Inner Mounting Bracket tight up against the vehicle's headliner and in position.

Step 10 Hold the Unit Back up to the Installed Unit's Outer and Inner Mounting Brackets and determine if the angles of the brackets need to be bent to re align them with the angled mounting tabs of the Slotted Mounting Brackets to facilitate the final installation of the Unit. If necessary remove the Outer and Inner Mounting Brackets and bend the angles to line them up with the Slotted Mounting Brackets or remove and bend the angles of the Slotted Mounting Brackets so that they line up with the Unit's Inner and Outer Mounting Brackets.

Step 11 After all adjustments to the Mounting Brackets are made, reposition the Brackets, remount them loosley to the vehicle's headliner, loosley re fasten the Slotted Mounting Brackets to the Inner and Outer Mounting Brackets, then reposition the Unit and loosley thread the 1/4" Internal Tooth Lock Washers, and 1/4"-20 X 3/8" long Phillips Pan Head Screws through the slots in the Slotted Mounting Brackets and into the appropriate mounting holes in the bottom of the Unit.

Note 1: In it's final position, the Unit's Gaskets must be up against the vehicle's windshield or headliner to block out as much light as possible.

Note 2: The Unit must be as close to level to the ground as possible in the front to back direction when it is in it's final location. The Unit may be slightly out of level in the left to right direction but should still be somewhat close to level in order to obtain maximum performance from the product when installed (See Figure 4 on page 6). It is very important that the vehicle is setting on a level floor when checking the Unit for level before making adjustments for the final assembly.

Installation and Mounting Instructions: Cont.

Step 12 Note: If the Unit you are installing is a Multi Color SuperVisor Flex, You can skip Step 12 and move on to Step 13! Using the arrow labels on the under side of the unit as a guide to aim the lights, adjust the Unit position on each side to aim the Take Down Light Heads in the forward direction (See Figure 5 on Page 6 which shows the Light Head Direction Arrow Labels)! While aiming the Unit, make sure the upper and lower gaskets are still engaged enough with the windshield and headliner to block out any flashback light!

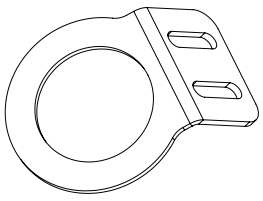
Step 13 Make all required final adjustments and tighten all hardware making sure the unit is held in the desired position- and doesn't move during the process of tightening the fasteners.

Step 14 Repeat steps 1 through 13 for the opposite side of the Unit.

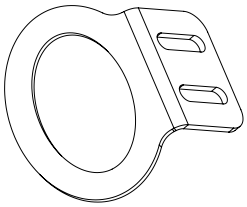
Step 15 Once both sides of the Unit are installed, leveled and in the final position, loosen the screws on each of the Side Light Blockers, adjust their position so they are up against the windshield & retighten the screws to block out any flash back light that might come out the sides of the Unit (see Figure 6 on page 7). If necessary drill holes or trim the Light Blockers as needed with scissors to allow enough adjustment so that they will block as much light as possible.

Step 16 See pages 7 thru 10 for detailed wiring instructions.

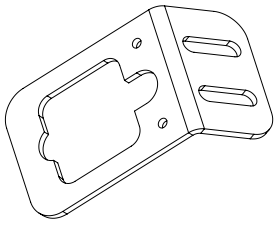
WARNING: **This unit must be mounted within the interior passenger compartment of the vehicle only. It is not intended for use in exterior applications. All devices should be mounted in accordance with the manufacturer's instructions and securely fastened to vehicle elements of sufficient strength to withstand the forces applied to the device. Driver and/or passenger air bags (SRS) will affect the way equipment should be mounted. This device should be mounted by permanent installation and within the zones specified by the vehicle manufacturer, if any. Any device mounted in the deployment area of an air bag will damage or reduce the effectiveness of the air bag and may damage or dislodge the device. Installer must be sure that this device, its mounting hardware and electrical supply wiring does not interfere with the air bag or the SRS wiring or sensors. Mounting the unit inside the vehicle by a method other than permanent installation is not recommended as unit may become dislodged during swerving, sudden braking or collision. Failure to follow instructions can result in personal injury.**



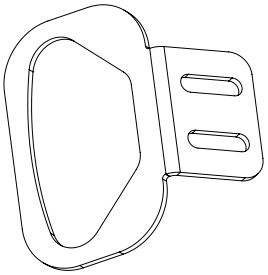
STANDARD ROUND OUTER MOUNTING BRACKET



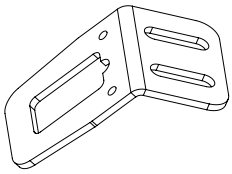
OVAL OUTER MOUNTING BRACKET



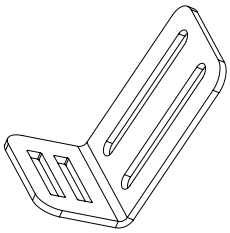
RECTANGULAR OUTER MOUNTING BRACKET



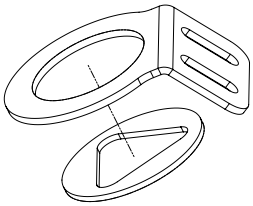
SUV (TAHOE) OUTER MOUNTING BRACKET



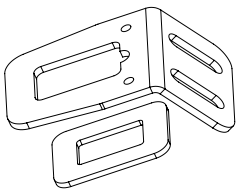
INNER MOUNTING BRACKET



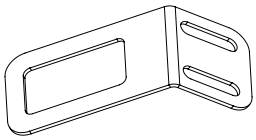
SLOTTED MOUNTING BRACKET



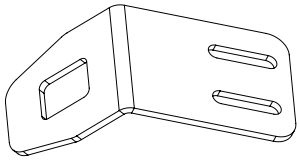
STANDARD ROUND OUTER MOUNTING BRACKET W TRIANGULAR WASHER



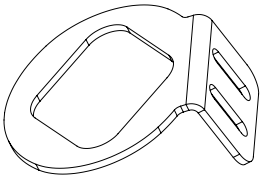
STANDARD INNER MOUNTING BRACKET W RECTANGULAR WASHER



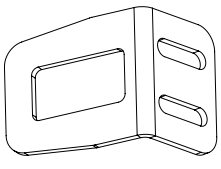
2015 FORD F150 OUTER MOUNTING BRACKET



2015 FORD F150 INNER MOUNTING BRACKET



2015 DODGE RAM OUTER MOUNTING BRACKET



2015 DODGE RAM INNER MOUNTING BRACKET

FIGURE 1

Installation and Mounting Instructions: Cont.

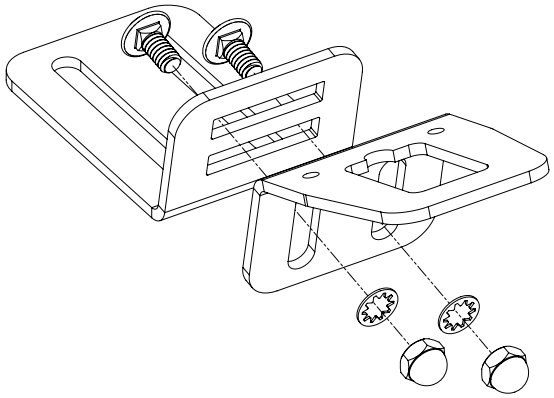


FIGURE 2

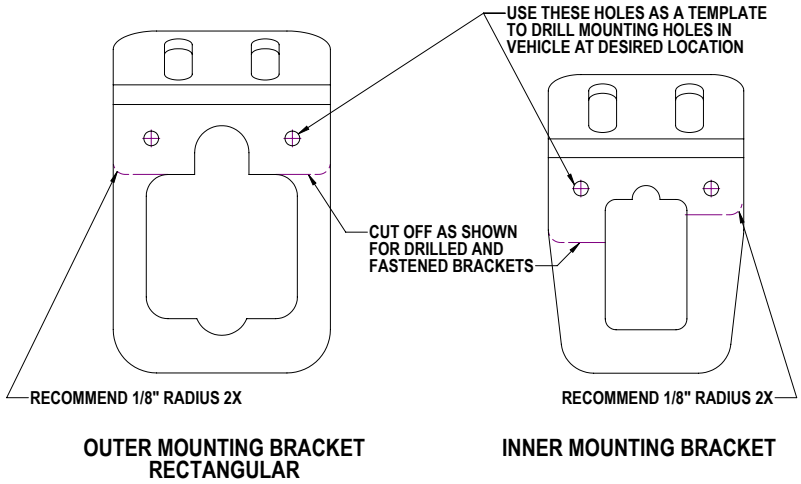


FIGURE 3

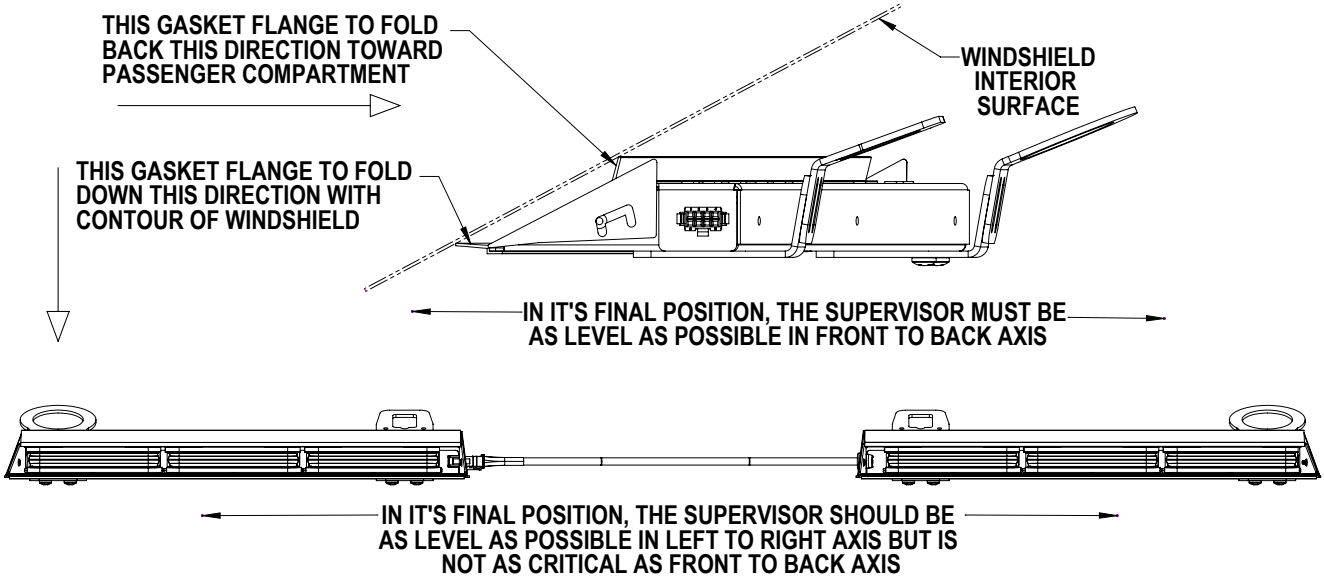
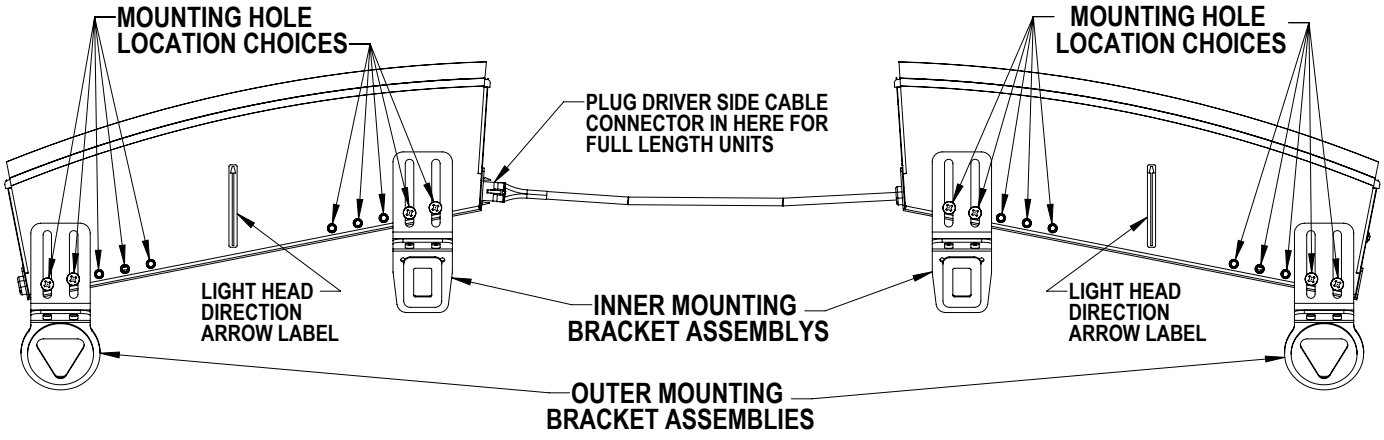


FIGURE 4



UNDER SIDE VIEW OF SUPERVISOR FLEX

FIGURE 5

Installation and Mounting Instructions: Cont.

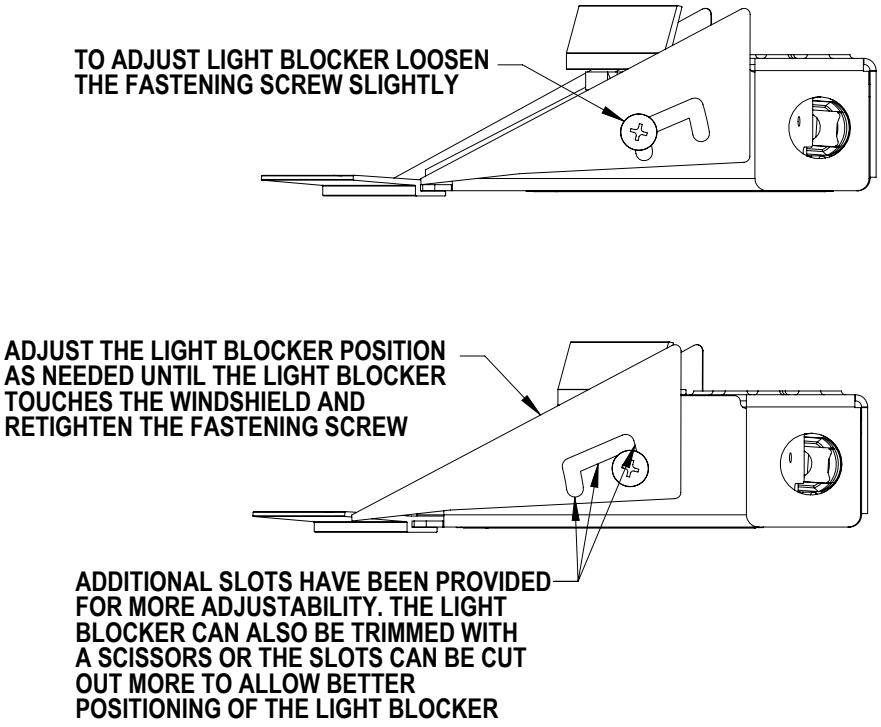


FIGURE 6

Caution: Drilling into the housing of the light bar could damage wiring or other internal components.

Wiring Instructions:

Route the Unit's cable as desired and plug the Unit's Driver Side Center Cable Connector into the Passenger Side Connector (Full Length Versions Only! See note in Figure-5 on Page 6). **Note: It is advisable to leave an extra loop of cable when installing the light bar to allow for future changes or reinstallations.**

Single Color Versions: For wiring the Single Color Versions of the SuperVisor Flex, connect the black lead to a solid frame ground (earth), preferably the (-) or ground (earth) side of the battery, & connect the remaining wires as shown in the Wiring Diagrams Labeled "Single Color Version Wiring Diagrams" on pages 8 & 9 to the +12V terminal of the battery.

Multi Color Versions: For wiring of the Multi Color SuperVisor Flex, see Wiring Diagrams Labeled "Multi Color Version Wiring Diagrams" on pages 8 & 9 & see the Multi Color SuperVisor CC Controller Wiring Diagram on page 10.

WARNING! DO NOT APPLY 12 VOLTS TO WIRE COLORS THAT ARE NOT SHOWN IN THE DIAGRAM FOR THE VERSION OF THE UNIT YOU HAVE PURCHASED AS THIS COULD POTENTIALLY CAUSE A DIRECT SHORT CIRCUIT!

LED Fusing Considerations - Single Color Versions

Although the average current draw per module is very low, due to the type of circuit used to power each module, the instantaneous peak current to a module can be significantly higher during low voltage conditions. To avoid prematurely blowing ATO style fuses or tripping breakers it is recommended the following rule-of-thumb be used to size fuses or breakers. This is especially important in lightbars with many LED modules running off a single fused source.

Minimum fuse size calculation: (See Single Color Version Wiring Diagrams on following pages)

For LED 12 volt electrical current only .5 X (number of 3 LED modules being fused) = Total Electrical Current at 12.8 VDC

LED Fusing Considerations - Multi Color Versions

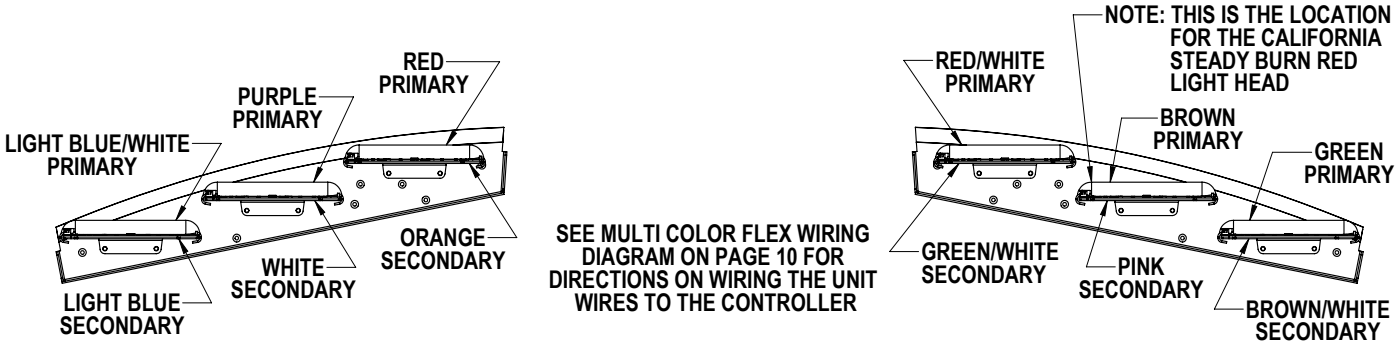
NOTE: The Components of the Multi Color SuperVisor Flex System are circuit protected by the Multi Color SuperVisor System CC Board so the individual wires in the System do not require fusing.

WARNING! DO NOT APPLY 12 VOLTS DIRECTLY TO THE SUPERVISOR WIRES AFTER IT IS CONNECTED TO THE SUPERVISOR MULTI COLOR CC BOX. THE MULTI COLOR SUPERVISOR CC BOARD OR THE LIGHT HEADS COULD BE DAMAGED BY APPLYING 12 VOLTS TO THE CC OUTPUTS!

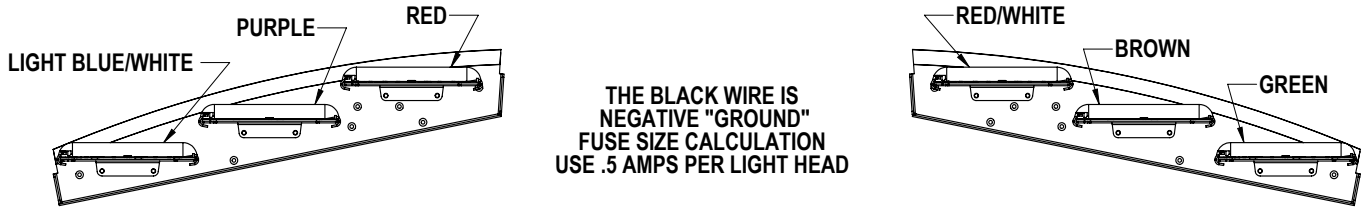
WARNING!

Larger wires and tight connections will provide longer service life for components. For high current wires it is highly recommended that terminal blocks or soldered connections be used with shrink tubing to protect the connections. Do not use insulation displacement connectors (e.g. 3M® Scotchlock type connectors). Route wiring using grommets and sealant when passing through compartment walls. Minimize the number of splices to reduce voltage drop. High ambient temperatures (e.g. under hood) will significantly reduce the current carrying capacity of wires, fuses, and circuit breakers. Use "SXL" type wire in engine compartment. All wiring should conform to the minimum wire size and other recommendations of the manufacturer and be protected from moving parts and hot surfaces. Looms, grommets, cable ties, and similar installation hardware should be used to anchor and protect all wiring. Fuses or circuit breakers should be located as close to the power takeoff points as possible and properly sized to protect the wiring and devices. Particular attention should be paid to the location and method of making electrical connections and splices to protect these points from corrosion and loss of conductivity. Ground terminations should only be made to substantial chassis components, preferably directly to the vehicle battery. The user should install a fuse sized to approximately 125% of the maximum Amp capacity in the supply line to protect against short circuits. For example, a 30 Amp fuse should carry a maximum of 24 Amps. DO NOT USE 1/4" DIAMETER GLASS FUSES AS THEY ARE NOT SUITABLE FOR CONTINUOUS DUTY IN SIZES ABOVE 15 AMPS. Circuit breakers are very sensitive to high temperatures and will "false trip" when mounted in hot environments or operated close to their capacity.

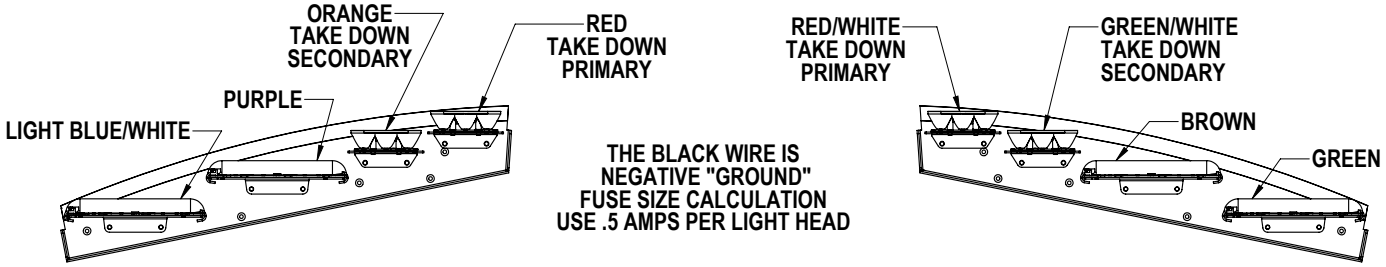
MULTI COLOR SUPERVISOR FLEX INTERNAL WIRE COLOR DIAGRAMS
FULL UNITS SHOWN-PASSENGER SIDE UNITS ARE SAME WIRE COLORS



PASSENGER SIDE **FULL 18LED MULTI COLOR VERSION** **DRIVER SIDE**

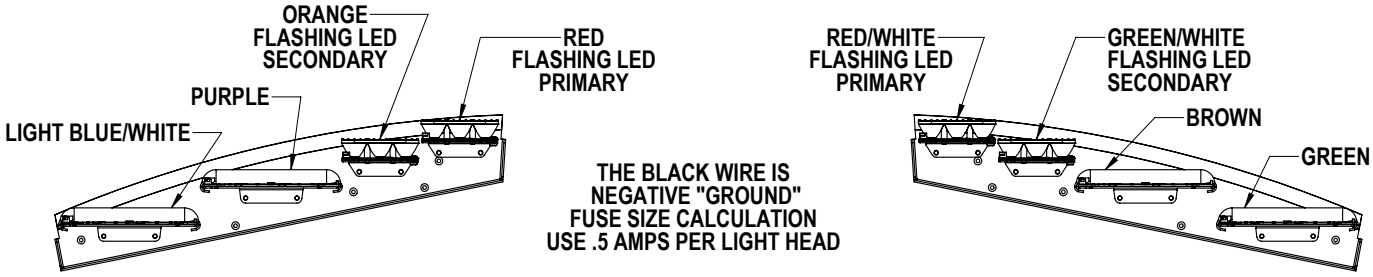


PASSENGER SIDE **FULL 9LED SINGLE COLOR VERSION** **DRIVER SIDE**
ALL FLASHING LIGHT HEADS FLASH INDEPENDANTLY

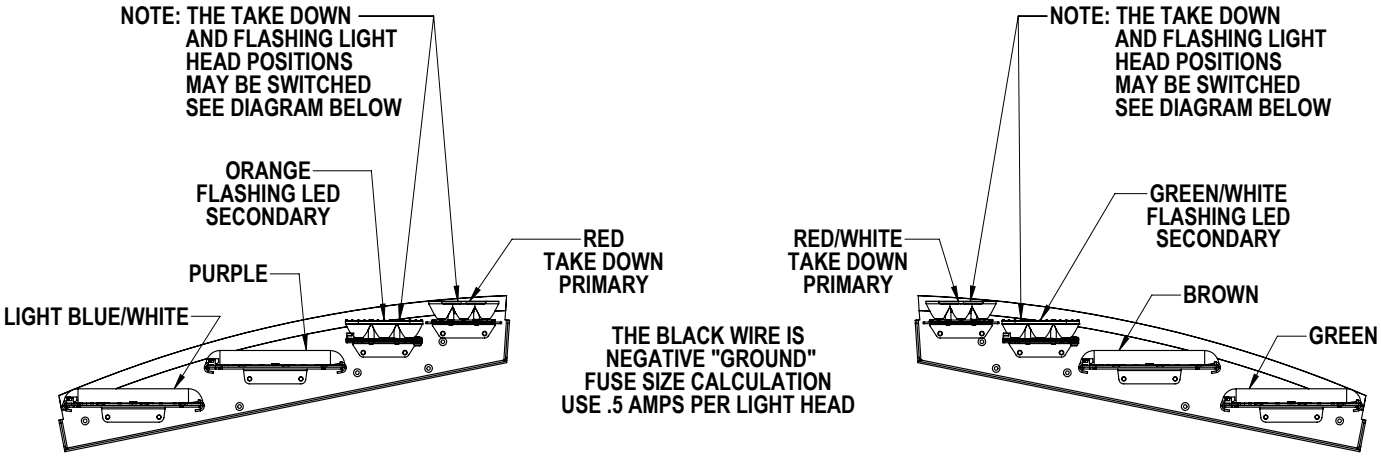


PASSENGER SIDE **FULL SINGLE COLOR VERSION** **DRIVER SIDE**
(4) 9LED IF HEADS & (4) TAKE DOWNS
ALL FLASHING LIGHT HEADS FLASH INDEPENDANTLY

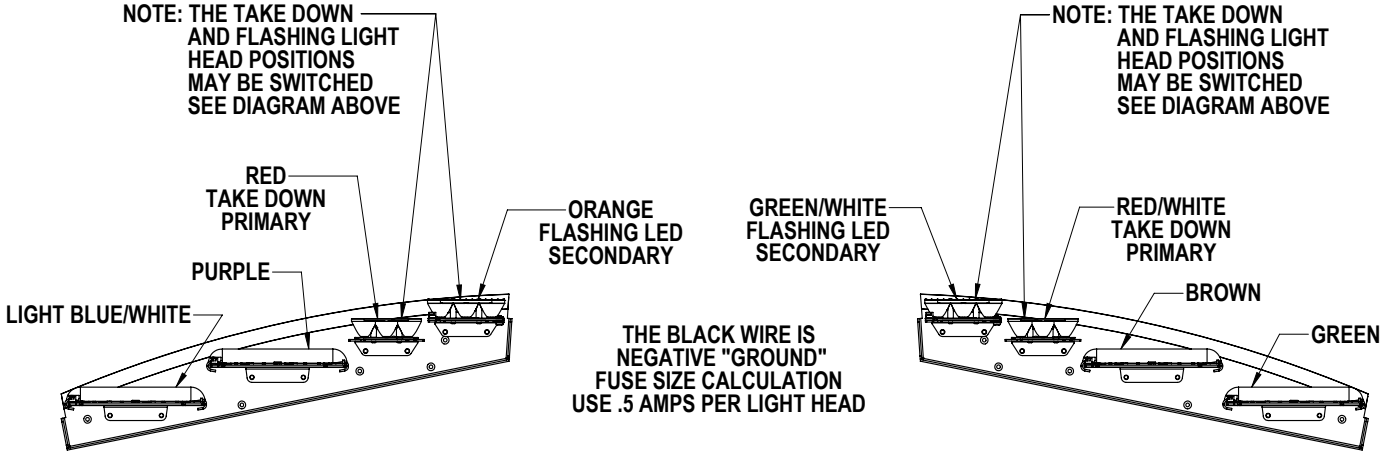
MULTI COLOR SUPERVISOR FLEX INTERNAL WIRE COLOR DIAGRAMS CONT:
FULL UNITS SHOWN-PASSENGER SIDE UNITS ARE SAME WIRE COLORS



PASSENGER SIDE **FULL SINGLE COLOR VERSION** **DRIVER SIDE**
(4) 9LED IF HEADS & (4) 3LED IF HEADS
ALL FLASHING LIGHT HEADS FLASH INDEPENDANTLY

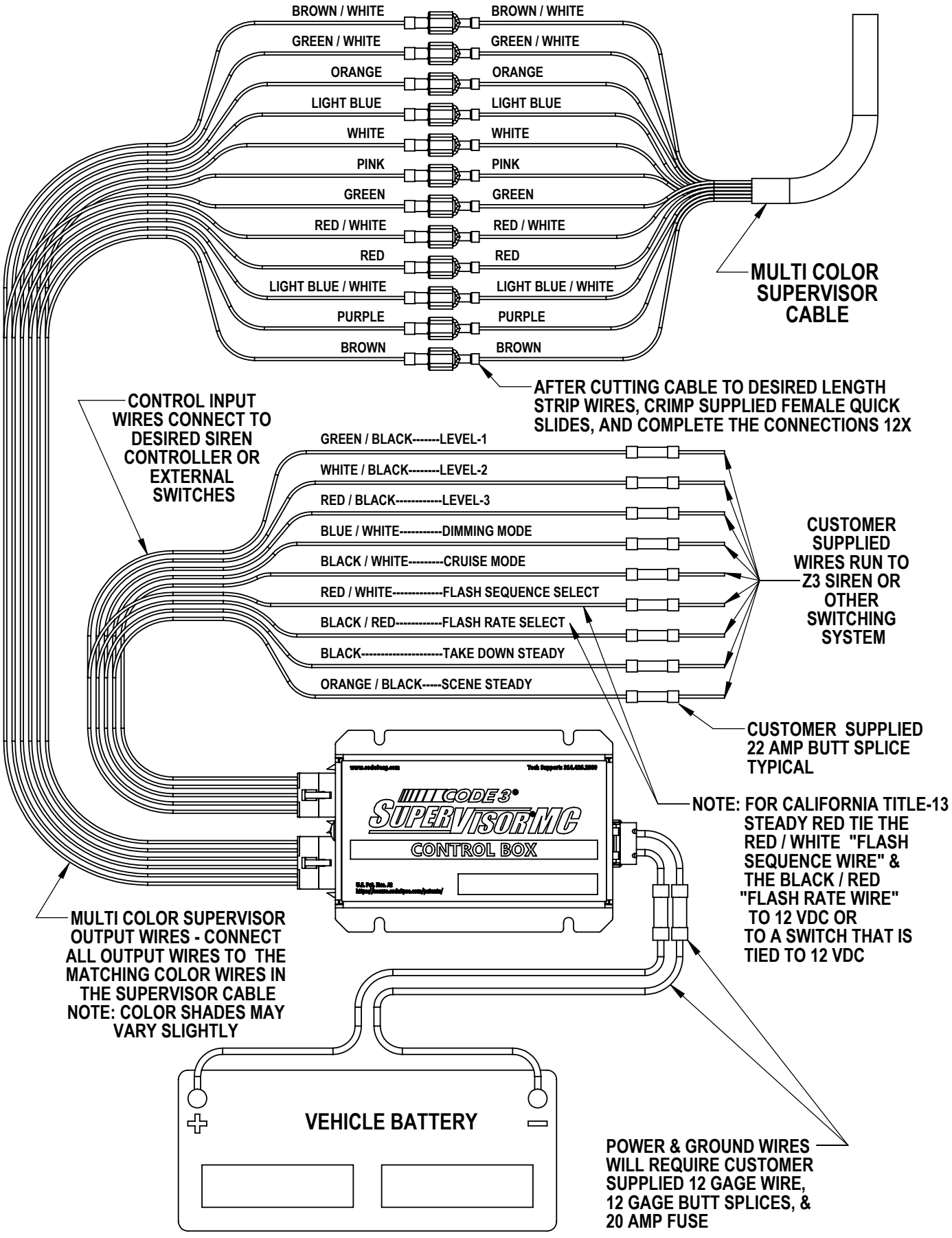


PASSENGER SIDE **FULL SINGLE COLOR VERSION** **DRIVER SIDE**
(4) 9LED IF HEADS, (2) TAKE DOWNS & (2) 3LED IF HEADS
ALL FLASHING LIGHT HEADS FLASH INDEPENDANTLY



PASSENGER SIDE **FULL SINGLE COLOR VERSION WITH 3LED HEADS SWITCHED** **DRIVER SIDE**
(4) 9LED IF HEADS, (2) TAKE DOWNS & (2) 3LED IF HEADS
ALL FLASHING LIGHT HEADS FLASH INDEPENDANTLY

MULTI COLOR SUPERVISOR & CC WIRING DIAGRAM



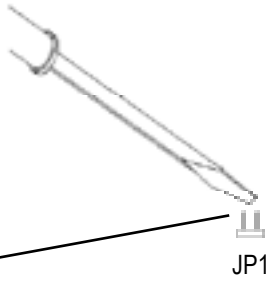
WARNING! This Product contains high intensity LED devices. To prevent eye damage, DO NOT stare into light beam at close range.

Changing Flash Patterns - Single Color 9 and 3 LED Versions ONLY!

To change the flash patterns on the 9 LED & 3 LED IF Light Heads, remove the mounting screws that attach the Unit's Cover to the Outer Panel to gain access to the printed circuit boards inside (see the exploded view on page 13). Momentarily short and release the pattern change prongs as shown below to change patterns. Carefully replace the Unit's Cover over the Outer Panel and replace the Cover Mounting Screws.

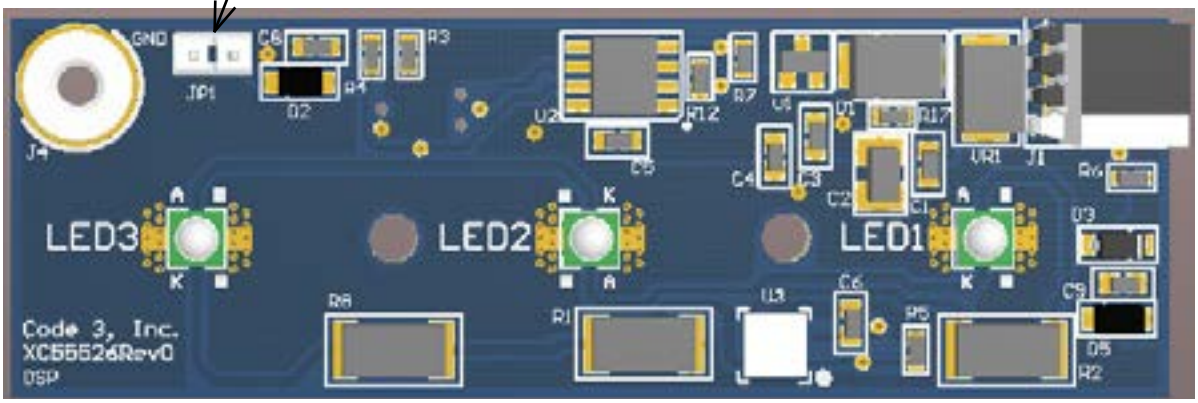
Note: Be extremely careful to replace the wiring such that you don't pinch a wire when you replace the Unit's Cover. Test the unit to be sure that it works properly.

1. Momentarily short & release to advance to the next pattern.
2. Hold for 3 seconds to go back to the previous pattern.
3. Hold for 5 seconds to reset to the DEFAULT pattern.



Directional Module Flash Pattern - Table 2

Cycle Flash-70 - (DEFAULT)	Variable Flash Single
NFPA Quad Flash-80	Cycle Flash-150
Quad Flash-70	Five Flash-150
Steady Burn	Quad Flash-150
Five Flash-70	Triple Flash-150
Triple Flash-70	Double Flash-150
Double Flash-70	Single Flash-150
Single Flash-70	Single Flash-250
Quad Pop Flash-70	Single Flash-375
Triple Pop Flash-70	



Torus 3LED PCB

Flash Pattern Header for Torus

Troubleshooting

All SuperVisor Flex Single Color and Multi Color Light Heads are thoroughly tested prior to shipment. However, should you encounter a problem during installation or during the life of the product, follow the guide below for information on repair and troubleshooting. Additional information may be obtained from the factory technical help line at 314-996-2800. Follow the guide below for information on repair and troubleshooting.

TROUBLESHOOTING GUIDE

Note: LED modules must be replaced as a module. There are no user serviceable parts.

PROBLEM	QUESTIONS	POSSIBLE CAUSE	SOLUTION
LED module not operating when powered.	N/A	a. Bad power/ground connection. b. Defective module.	a. Fix connection. b. Replace module

Light Head Flash Sequences - Multi Color

LEFT / RIGHT (DEFAULT)	PRIMARY & SECONDARY
	PRIMARY ONLY **- LEVEL - 1 DEFAULT**
	SECONDARY ONLY
	PRIMARY W / WHITE POPS **- LEVEL - 3 DEFAULT**
	PRIMARY W / WHITE RANDOM
EVEN / ODD	PRIMARY & SECONDARY
	PRIMARY ONLY **- LEVEL - 2 DEFAULT**
	SECONDARY ONLY
	PRIMARY W / WHITE POPS
	PRIMARY W / WHITE RANDOM
IN / OUT	PRIMARY & SECONDARY
	PRIMARY ONLY
	SECONDARY ONLY
	PRIMARY W / WHITE POPS
	PRIMARY W / WHITE RANDOM
RANDOM	PRIMARY & SECONDARY
	PRIMARY ONLY
	SECONDARY ONLY
	PRIMARY W / WHITE POPS
	PRIMARY W / WHITE RANDOM
CYCLE SEQUENCE RANDOM	PRIMARY & SECONDARY
	PRIMARY ONLY
	SECONDARY ONLY
	PRIMARY W / WHITE POPS
	PRIMARY W / WHITE RANDOM
ALL ON RANDOM	PRIMARY & SECONDARY
SWEEP LEFT / RIGHT	PRIMARY & SECONDARY
	PRIMARY ONLY
	SECONDARY ONLY
	PRIMARY W / WHITE POPS
	PRIMARY W / WHITE RANDOM
NULL	ALL LIGHT HEADS OFF

Light Head Flash Rates - Multi Color

Double Flash-75 **- LEVEL - 2 DEFAULT**
Triple Flash-75
Quad Flash-75
Quint Flash-75
Double Flash-150 **- LEVEL - 3 DEFAULT**
Triple Flash-150 **- LEVEL - 1 DEFAULT**
Quad Flash-150
Quint Flash-150
Triple Pop Flash-150
Quad Pop Flash-150
Single Flash-375
Cycle Rates

INSTALLER NOTE:
FLASH RATE + FLASH SEQUENCE = FLASH PATTERN

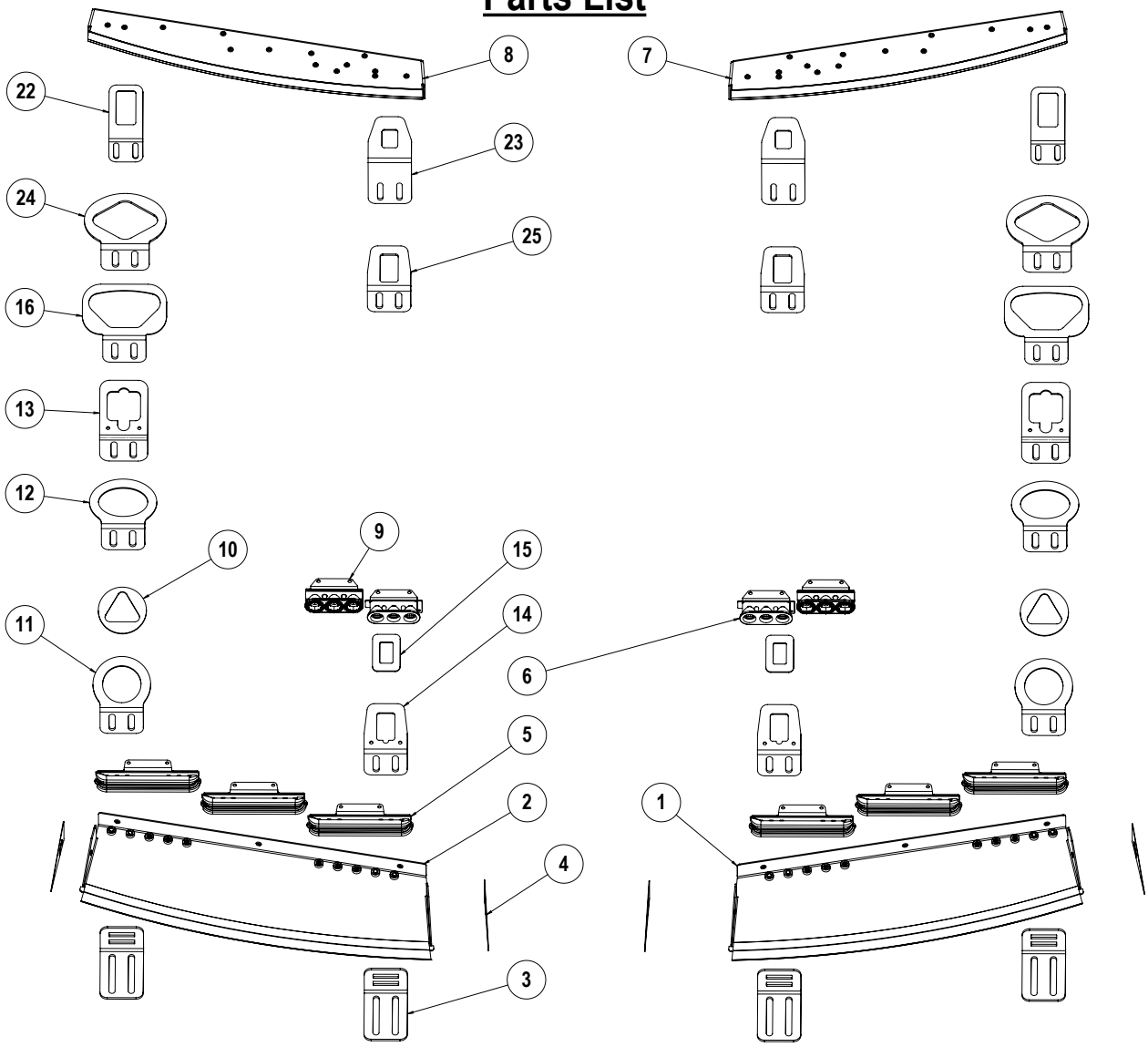
Cruise is configurable to any symetric setting.
TD Steady is configurable to any symetric setting.

Cruise	TD Steady	Scene Steady
2 Outter Secondary Steady	2 Inner Secondary	All 6 Secondary
2 Outter Secondary Flicker	2 Middle Secondary	
4 Outter Secondary Steady	2 Outer Secondary	
4 Outter Secondary Flicker	4 Inner/Middle Secondary	
6 Outter Secondary Steady	4 Outer/Middle Secondary	
6 Outter Secondary Flicker	4 Inner/Outer Secondary	

Cruise is lowest priority and will not work when any other feature is enabled. Different combinations of lights can be used as Cruise by tapping the Sequence wire to +12V while **only the Cruise** is turned on.
TD Steady will work with or without Level 1, 2, or 3 lights engaged. Different combinations of lights can be used as the TD by tapping the Sequence wire to +12V while only the TD Steady is turned on.

Scene Steady overrides all other functions.

Parts List



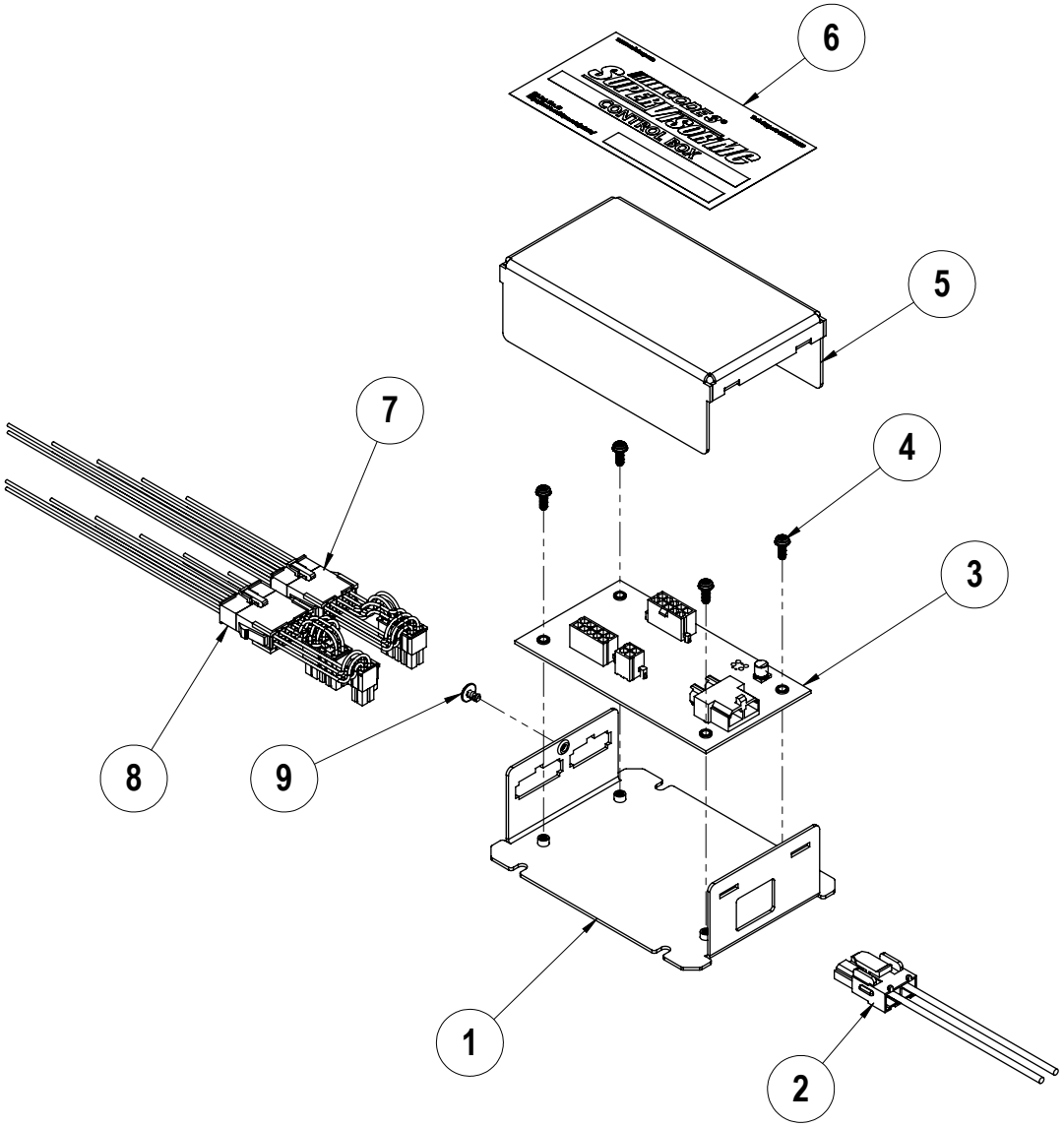
Reference Number	Part Description	Part Number	Quantity
1	Outer Panel - Driver Side Sedan Version	T17184	1
1A	Outer Panel - Driver Side Pickup/SUV Version	T17188	1
2	Outer Panel -Passenger Side Sedan Version	T17185	1
2A	Outer Panel -Passenger Side Pickup/SUV Version	T17189	1
3	Mounting Brkt-Slotted	T15531	4
4	Light Blocker-Sedan Version	T17194	4
4A	Light Blocker-Pickup/SUV Version	T17205	4
5	18LED Multi or 9 LED Single Color Light Head Module	Contact Code 3, Inc for P/N	Up To 6
6	3 LED Torus Take Down	Contact Code 3, Inc for P/N	Up To 4
7	Chassis-Driver Side	T17186	1
8	Chassis-Passenger Side	T17187	1

Hardware/Parts: Cont. Items 17 Thru 21 Not Shown in Exploded View

Reference Number	Part Description	Part Number	Quantity
9	3 LED Torus IF Light Head	Contact Code 3, Inc for P/N	Up To 4
10	Triangular Washer-Outer Mounting Bracket	T15519	2
11	Outer Mounting Bracket-Round	T15533	2
12	Outer Mounting Bracket-Oval	T15536	2
13	Outer Mounting Bracket-Rectangular	T15537	2
14	Inner Mounting Brackets	T15526	2
15	Rectangular Washer-Inner Mounting Bracket	T15548	2
16	Outer Mounting Bracket-Tahoe	T15547	2
17	1/4"-20 X 1/2" Long Carriage Bolt Black Zinc	T15541	8
18	1/4"-20 Acorn Nut Black Zinc	T15540	8
19	1/4"-20 X 3/8" Long Phillips Pan Head Screw Black Zinc	T89965	8
20	1/4"Internal Tooth Lock Washer	T06935	16
21	#8 X 1" Long Phillips Truss Head Sheet Metal Screw Black Oxide	T15280	10
22	Outer Mounting Bracket-2015 Ford F150	T17198	2
23	Inner Mounting Bracket-2015 Ford F150	T17199	2
24	Outer Mounting Bracket-2015 Dodge Ram	T17182	2
25	Inner Mounting Bracket-2015 Dodge Ram	T17181	2

Note: Some of the above listed parts may not be available for purchase!

Parts List - CC Box - SuperVisor Flex - Multi Color



Reference Number	Part Description	Part Number	Quantity
1	E-Tray - Multi Color SuperVisor	T17164	1
2	Power Ground Cable--Mass State Police Slick Top System	T56637	1
3	PCB Central Controller-Midrange	T57137	1
4	#6-32 X.375 Phil Rd M/S, Stl, Zinc	T04250	4
5	Cover-CC Housing-Multi Color SuperVisor	T17165	1
6	Label-CC Box-Multi Color SuperVisor	T17168	1
7	Input Harness-Multi Color SuperVisor CC Box	T17166	1
8	Output Harness-Multi Color SuperVisor CC Box	T17167	1
9	#8 X .25 SMS Phillips Truss Head Screw-Black Oxided	T89905	1
10	Label-CC Box-Multi Color SuperVisor-INPUT/OUTPUT	T17168	Part of Item 6 Above

WARRANTY

Code 3, Inc.'s emergency devices are tested and found to be operational at the time of manufacture. Provided they are installed and operated in accordance with manufacturer's recommendations, Code 3, Inc. guarantees all parts and components except the lamps to a period of 1 year, LED Lighthead modules to a period of 5 years (unless otherwise expressed) from the date of purchase or delivery, whichever is later. Units demonstrated to be defective within the warranty period will be repaired or replaced at the factory service center at no cost.

Use of lamp or other electrical load of a wattage higher than installed or recommended by the factory, or use of inappropriate or inadequate wiring or circuit protection causes this warranty to become void. Failure or destruction of the product resulting from abuse or unusual use and/or accidents is not covered by this warranty. Code 3, Inc. shall in no way be liable for other damages including consequential, indirect or special damages whether loss is due to negligence or breach of warranty.

CODE 3, INC. MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY INCLUDING, WITHOUT LIMITATION, WARRANTIES OF FITNESS OR MERCHANTABILITY, WITH RESPECT TO THIS PRODUCT.

PRODUCT RETURNS

If a product must be returned for repair or replacement*, please contact our factory to obtain a Return Goods Authorization Number (RGA number) before you ship the product to Code 3, Inc. Write the RGA number clearly on the package near the mailing label. Be sure you use sufficient packing materials to avoid damage to the product being returned while in transit.

*Code 3, Inc. reserves the right to repair or replace at its discretion. Code 3, Inc. assumes no responsibility or liability for expenses incurred for the removal and /or reinstallation of products requiring service and/or repair.; nor for the packaging, handling, and shipping: nor for the handling of products returned to sender after the service has been rendered.

NEED HELP? Call our Technical Assistance HOTLINE - (314) 996-2800

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Revision 0, 03/15 - Instruction Book Part No. T17197