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#### Warnings to Installers

Whelen's emergency vehicle warning devices must be properly mounted and wired in order to be effective and safe. Read and follow all of Whelen's written instructions when installing or using this device. Emergency vehicles are often operated under high speed stressful conditions which must be accounted for when installing all emergency warning devices. Controls should be placed within convenient reach of the operator so that he can operate the system without taking his eyes off the roadway. Emergency warning devices can 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 vehicle damage, including fire. Many electronic devices used in emergency vehicles can create or be affected by electromagnetic interference. Therefore, after installation of any electronic device it is necessary to test all electronic equipment simultaneously to insure that they operate free of interference from other components within the vehicle. 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. Whelen assumes no liability for any loss resulting from the use of this warning device. 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.

#### Warnings to Users

Whelen's emergency vehicle warning devices are intended to alert other operators and pedestrians to the presence and operation of emergency vehicles and personnel. However, the use of this or any other Whelen emergency warning device does not guarantee that you will have the right-of-way or that other drivers and pedestrians will properly heed an emergency warning signal. Never assume you have the right-of-way. It is your responsibility to proceed safely before entering an intersection, driving against traffic, responding at a high rate of speed, or walking on or around traffic lanes. Emergency vehicle warning devices should be tested on a daily basis to ensure that they operate properly. When in actual use, the operator must ensure that both visual and audible warnings are not blocked by vehicle components (i.e.: open trunks or compartment doors), people, vehicles, or other obstructions. It is the user's responsibility to understand and obey all laws regarding emergency warning devices. The user should be familiar with all applicable laws and regulations prior to the use of any emergency vehicle warning device. Whelen's audible warning devices are designed to project sound in a forward direction away from the vehicle occupants. However, because sustained periodic exposure to loud sounds can cause hearing loss, all audible warning devices should be installed and operated in accordance with the standards established by the National Fire Protection Association.

#### Safetv First

This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

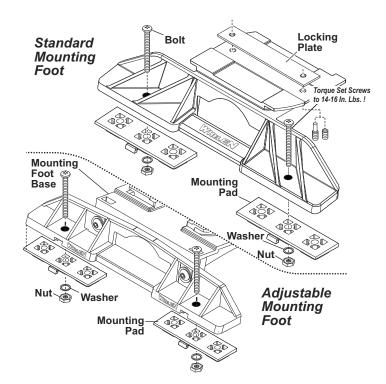
- · Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
- · Whelen Engineering requires the use of waterproof butt splices and/or connectors if that connector could be exposed to moisture.
- Failure to use specified installation parts and/or hardware will void the product warranty.
- If mounting this product requires drilling holes, the installer MUST be sure that no vehicle components or other vital parts could be damaged
  by the drilling process. Check both sides of the mounting surface before drilling begins. Also de-burr the holes and remove any metal shards
  or remnants. Install grommets into all wire passage holes.
- If this manual states that this product may be mounted with suction cups, magnets, tape or Velcro®, clean the mounting surface with a 50/50 mix of isopropyl alcohol and water and dry thoroughly.
- Do not install this product or route any wires in the deployment area of your air bag. Equipment mounted or located in the air bag deployment area will damage or reduce the effectiveness of the air bag, or become a projectile that could cause serious personal injury or death. Refer to your vehicle owner's manual for the air bag deployment area. The User/Installer assumes full responsibility to determine proper mounting location, based on providing ultimate safety to all passengers inside the vehicle.
- For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made. The recommended procedure requires the product ground wire to be connected directly to the NEGATIVE (-) battery post (this does not include products that use cigar power cords).
- If this product uses a remote device for activation or control, make sure that this device is located in an area that allows both the vehicle and the device to be operated safely in any driving condition.
- Do not attempt to activate or control this device in a hazardous driving situation.
- This product contains either strobe light(s), halogen light(s), high-intensity LEDs or a combination of these lights. Do not stare directly into these lights. Momentary blindness and/or eye damage could result.
- Use only soap and water to clean the outer lens. Use of other chemicals could result in premature lens cracking (crazing) and discoloration.
   Lenses in this condition have significantly reduced effectiveness and should be replaced immediately. Inspect and operate this product regularly to confirm its proper operation and mounting condition. Do not use a pressure washer to clean this product.
- It is recommended that these instructions be stored in a safe place and referred to when performing maintenance and/or reinstallation of this product.
- FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!

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# IMPORTANT! The lightbar should be a minimum of 16" from any radio antennas!

## Permanent Mounting:

- Locate the mounting foot, anchor plate and locking plate included with your lightbar. If not already present, install the locking plate onto the mounting foot. When properly positioned, this plate is centered from side-to-side on the mounting foot.
- Flip the lightbar upside-down to expose the bottom of the extrusion and place the mounting foot onto the extrusion.
- Rotate the mounting foot 90° counter-clockwise. Make sure that the edges
  of the mounting foot swing into position under the extrusion mounting lip.
  Install an anchor plate onto the extrusion in the same manner.
- Repeat this procedure for the remaining mounting foot and anchor plate and return the lightbar to its right side-up position.
- 5. Position the lightbar onto the vehicle roof in the desired mounting location. One often selected location is directly above the B-pillars. This area is the strongest part of the roof. Refer to your lightbar manual for cable exit location, to be sure that the lightbar is facing the proper direction.
- 6. Adjust the two mounting feet outwards so that they are as close to the edge of the roof as possible. Both mounting feet must be in full contact with the roof. Be sure that there is no less than 1/2" clearance between roof and lightbar at their closest point. When the mounting feet are in their proper position, lightly tighten the locking plate allen head set screws.
- 7. Return the lightbar to an upside-down position. Slide each anchor plate outwards until it is fully engaged with its corresponding mounting foot. With the mounting feet and anchor plates in their proper positions tighten all of the set screws (2 or 4 per side) to 14-16 ln. Lbs. Flip the lightbar right side-up and return it to its mounting position.
- Open both drivers side doors. In the area directly below the mounting foot, pull the weather-strip away from the vehicle so the area where the mounting strap will be secured is exposed. Repeat for the other side.
- Insert the mounting strap through the mounting foot. Be sure that the strap fits flush against the area where it will be secured onto the vehicle. Insert the tension bolt through the mounting strap and anchor plate, into the



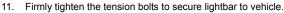
tinnerman nut. Tighten slightly with a long-shafted, Phillips screwdriver. Repeat procedure for passenger side.

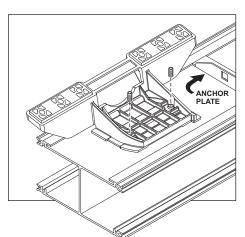
10. If your mounting strap has mounting holes in the end of the strap, use these holes as a template to drill appropriately sized pilot holes through the strap and into the vehicle. Repeat for passenger side of the vehicle.

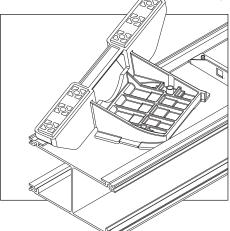
## Strap Mounting:

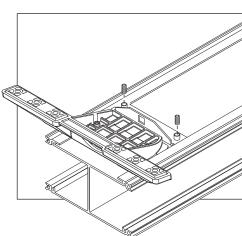
- Locate the mounting foot, anchor plate and locking plate included with your lightbar. If not already present, install the locking plate onto the mounting foot. When properly positioned, this plate is centered from side-to-side on the mounting foot.
- 2. Flip the lightbar upside-down to expose the bottom of the extrusion and place the mounting foot onto the extrusion.
- Rotate the mounting foot 90° in a counter-clockwise direction. Make sure that the edges of the mounting foot swing into position under the extrusion mounting lip. Install an anchor plate onto the extrusion in the same manner.
- Repeat this procedure for the remaining mounting foot and anchor plate and return the lightbar to its right side-up position.
- 5. Position the lightbar onto the vehicle roof in the desired mounting location. One often selected location is directly above the B-pillars. This area is the strongest part of the roof. Refer to your lightbar manual for cable exit location, to be sure that the lightbar is facing the proper direction.
- Adjust the two mounting feet outwards so that they are as close to the edge of the roof as possible. Both mounting feet must be in full contact with the roof. Be sure that there is no less than 1/2" clearance between roof and

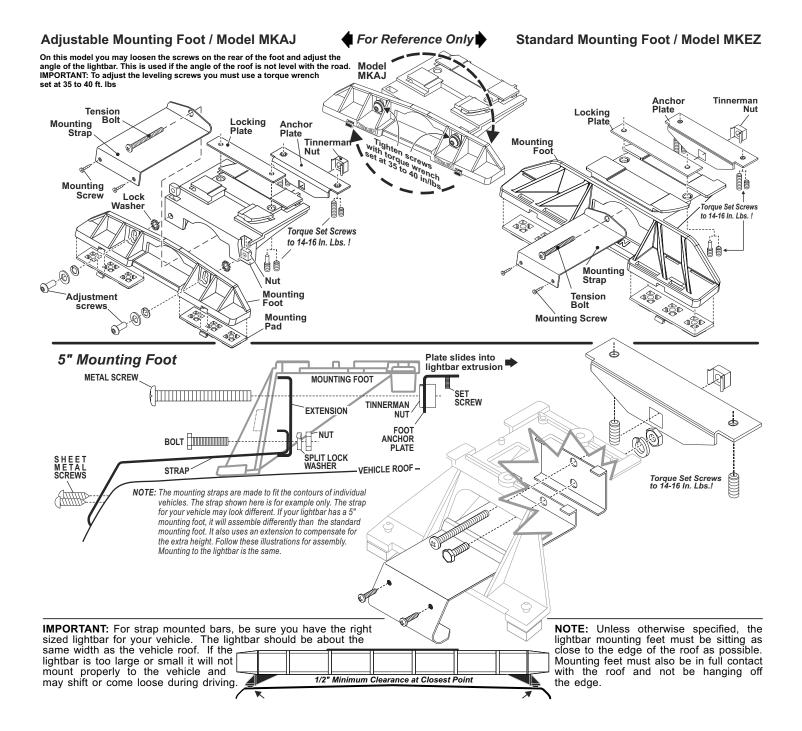
- lightbar at their closest point. When the mounting feet are in their proper position, lightly tighten the locking plate allen head set screws.
- 7. Return the lightbar to an upside-down position. Slide each anchor plate outwards until it is fully engaged with its corresponding mounting foot. With the mounting feet and anchor plates in their proper positions tighten all of the set screws (2 or 4 per side) to 14-16 ln. Lbs. Flip the lightbar right side-up and return it to its mounting position.
- Open both drivers side doors. In the area directly below the mounting foot, pull the weather-strip away from the vehicle so the area where the mounting strap will be secured is exposed. Repeat for the other side.
- 9. Insert the mounting strap through the mounting foot. Be sure that the strap fits flush against the area where it will be secured onto the vehicle. Insert the tension bolt through the mounting strap and anchor plate, into the tinnerman nut. Tighten slightly with a long-shafted, Phillips screwdriver. Repeat procedure for passenger side.
- 10. If your mounting strap has mounting holes in the end of the strap, use these holes as a template to drill appropriately sized pilot holes through the strap and into the vehicle. Repeat for passenger side of the vehicle.





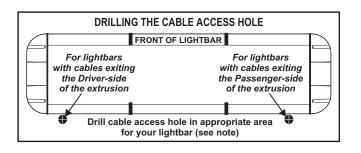






## Routing your Lightbar Cable(s)

 To protect the headliner from damage caused by drilling the cable access hole through the vehicle roof, allow a 5" to 7" distance between roof and headliner by lowering the headliner before drilling.



WARNING! There may be a roof support member that spans the distance between the driver's and passenger's side. DO NOT DRILL THROUGH THIS MEMBER! Adjust the location until the hole can be drilled without contacting this support member.

- 2. Using a 1" hole saw, drill the cable access hole. Use a round file to smooth and de-burr the edges than insert a 1" grommet.
- Insert the cable(s) through the cable access hole into the vehicle. Use RTV silicone to weatherproof the access hole after the cable(s) are pulled completely into the vehicle.
- 4. Route the cable(s) through the vehicle following manufacturers recommendations.

WARNING: Many vehicles are now equipped with side curtain and Bpillar air bags. Alternate routing may be required.

## Connecting the Cables:

WARNING! All Customer supplied wires that connect to the positive terminal of the battery must be sized to supply at least 125% of the maximum operating current and FUSED at the battery to carry that load. DO NOT USE CIRCUIT BREAKERS WITH THIS PRODUCT!

#### **Power Cable:**

- Open the wiring shield lid and route the power cable into the wiring shield and towards the firewall. Make sure you do not to pinch or crush any wires when running them through the wire shield.
- Follow the factory wiring harness through the firewall. It may be necessary to drill a hole in the firewall. If so, be absolutely sure that there are no components that could be damaged by drilling. After the hole has been drilled, insert a grommet to protect the cable.
- 3 Route the cable along the factory wiring harness to the battery.
- Install a 30 amp fuse block (customer supplied) on the end of the RED wire in the power cable. Remove the fuse from the fuse block before connecting any wires to the battery.
- Connect the fuse block to the POSITIVE (+) terminal on the battery. There can not be more than two feet of wire between the fuse block and the battery. The wire between the fuse block and the battery is "unprotected", do not allow this wire to touch any other wires.
- Connect the BLACK wire to the factory chassis ground.

## Cruise Lights & AUX (WHITE/ORANGE):

The WHITE/ORANGE wire operates in one of 3 different modes. Selecting a mode is controlled with the Scan-Lock™ wire. Using Scan-Lock™ (See Scan-Lock™), change between the 3 available modes as though you were changing flash patterns. The three modes are as follows:

MODE 1 (Default) - Cruise Lights in High Power and the AUX port is activated.

MODE 2 - Cruise Lights in Low Power and the AUX port is activated.

MODE 3 - Cruise Lights are not activated and the AUX port is activated.

### Hi/Low Power (VIOLET):

The type of switch used is dependant on how the operator wishes the Hi/Low feature to function:

Latching Mode: By applying +12 VDC voltage to the VIOLET wire for less than 1 second, the lightbar is "latched" into low power operation. The unit must be turned off and then back on to restore normal, high power operation (a momentary switch is preferred).

Level Mode: Applying +12 VDC voltage to the VIOLET wire for more than 1 second holds the lightbar in low power mode until voltage is removed (a toggle switch is preferred).

IMPORTANT NOTE: The corner modules in your lightbar do not switch to low power when this option is applied. They will always remain in normal high power.

## Scan-Lock™ (WHITE/VIOLET):

TO CYCLE FORWARD THROUGH AVAILABLE PATTERNS: Activate ONLY the control wire of the function you wish to effect and apply +12 volts to the Scan-Lock™ wire (WHITE/VIOLET) for less than 1 second and release. This will change the pattern. For example, to change the Front Outboard LED pattern, apply +12VDC to the GREEN/WHITE wire and then *momentarily* apply +12VDC to the WHITE/VIOLET wire. Repeat until the desired pattern is displayed. Let this pattern run for 5 seconds to configure it as the pattern the Front Outboard LEDs will display when activated. Important: Only ONE function may be active while changing patterns. Repeat for next pattern.

TO CHOOSE A PATTERN: Allowing the desired pattern to run for more than 5 seconds makes it the default pattern.

TO RESET TO THE FACTORY DEFAULT PATTERN: Turn off all lightbar functions. Apply +12 volts to the Scan-lock™ wire and turn the appropriate function back on and it is now restored to its factory default pattern.

#### Available Flash Patterns:

#### Front Corner, Rear Corner, Outboard **Inboard and Center**

- 1. SignalAlert™ 75
- 2. CometFlash® 75
- 3. DoubleFlash 150
- 4. DoubleFlash 75 5. SingleFlash 375
- 6. SingleFlash 150
- 7.
- SingleFlash 75
- 8. ActionFlash™ 150 9. ModuFlash™
- 10. ActionScan™

## Front Outboard, Inboard and Center

- SignalAlert™ 75
- 2. CometFlash® 75 3. DoubleFlash 150
- 4. DoubleFlash 75

- 5. SingleFlash 375
- 6. SingleFlash 150
- 7. SingleFlash 75
- 8. ActionFlash™ 150
- ModuFlash™
- 10. Steady/SF75
- 11. Steady/Steady
- 12 ActionScan™

#### Take-Down / Alley

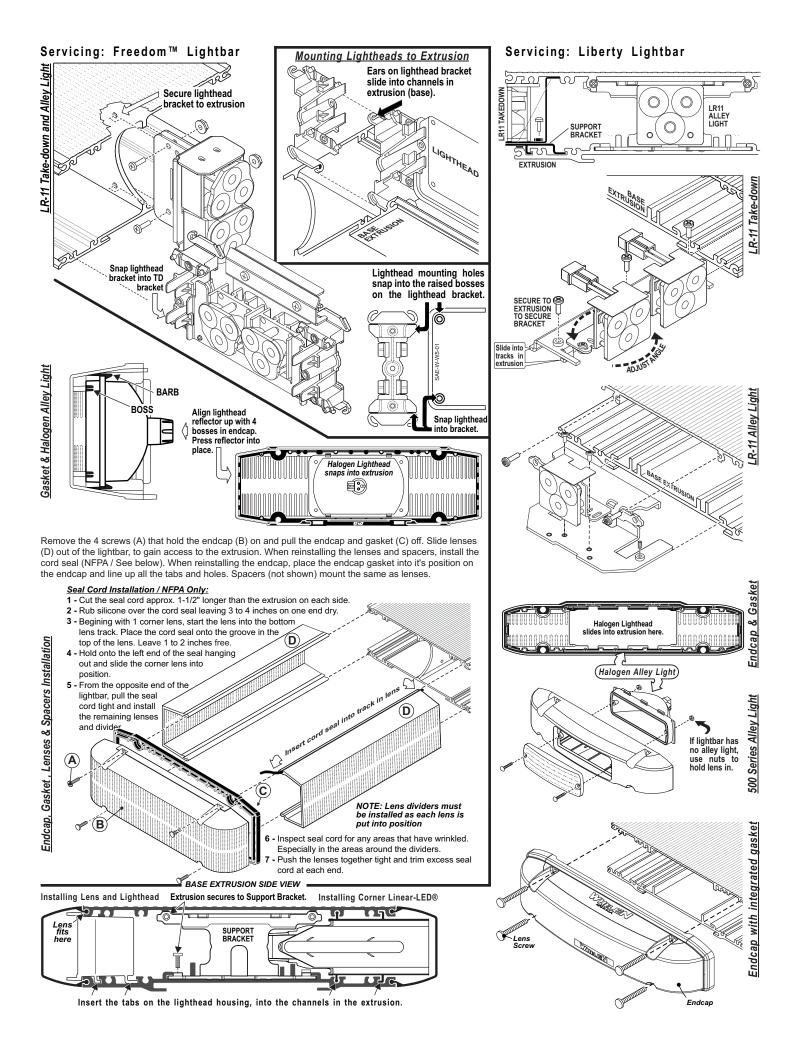
- 1. T-D & Alley SingleFlash 240 ALT
- 2. T-D & Alley DoubleFlash 120 ALT
- 3. T-D only SingleFlash 240 SIM
- 4. T-D only DoubleFlash 120 SIM

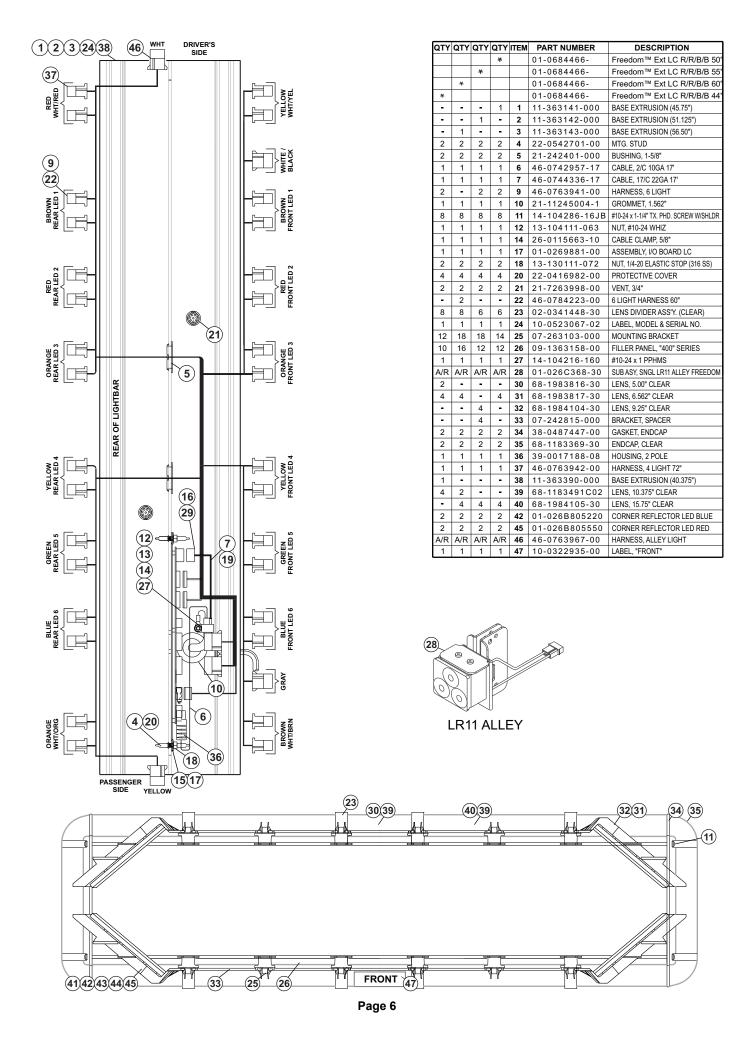
## Traffic Advisor™ Sequence

- 1. Seq to Solid
- 2. Seq On Seq Off
- 3. One Lamp Triple
- 4. Two Lamp Triple

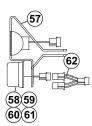
Control Cable: Extend the control cable to your switch panel and make your connections using the information provided. The control cable connects to your control head or switch box and is fused there. Applying +12VDC to a control wire activates its function. Fuse as noted below.

Wire ColorFunctionFuseGREENFront Corner LEDs1 AMPBLUERear Corner LEDs1 AMPGRN/WHTFront Outboard LEDs1 AMPBLU/WHTRear Outboard LEDs1 AMPGRN/BLKFront Inboard LEDs1 AMPBLU/BLKRear Inboard LEDs1 AMP	WHT/GRN. Right TA 1 AMP WHT/BLU . Flashing Alley & T.D.'s 1 AMP YELLOW . PassSide Alley Lights 1 AMP WHITE . Driver-Side Alley Lights 1 AMP WHT/BLK . Take-Down Lights 1 AMP WHT/ORG . Cruise Lights & AUX 1 AMP WHT/YEL Left TA 1 AMP	WHT/BRNRear Center LEDs 1 AMP VIOLETHi/Low Power 0.5 AMPS WHT-VIOScan-Lock™ 0.5 AMPS WHT/REDFront Center LEDs 1 AMP NONERFI shield drain / to ground Activating WHT/GRN + WHT/YEL = Split TA
Special Order Lightbars:           Unicor Lightbar:           Wire Color         Function         Fuse           GREEN         All Front LEDs         1 AMP           BLUE         Rear LEDs / RED-BLUE         1 AMP           VIOLET         Flashing Ctr RED & Alleys         1 AMP           ORANGE         Take Downs         1 AMP           GREY         Rear AMBER         1 AMP           YELLOW         Passenger Alley         1 AMP           WHITE         Driver Alley         1 AMP           WHT/BLK         Steady Center RED         1 AMP	Philadelphia Lightbar: BLU/BLK End External Pods 1 AMP WHT/RED Front External Pods 1 AMP WHT/BRN Rear External Pods 1 AMP YELLOW Passenger Alleys 1 AMP WHITE Driver Side Alleys 1 AMP GREEN Front Corners 1 AMP BLUE Rear Corners 1 AMP GRN/WHT Front Outboards 1 AMP BLU/WHT Rear Outboards 1 AMP BLU/WHT Rear Outboards 1 AMP GRN/BLK Front Outboards 1 AMP WHT/BLU Flashing Alley & TDs 1 AMP	WHT/BLK TakeDowns 1 AMP WHT/ORG Cruise Lts. & AUX 1 AMP VIOLET Hi-Low Power 0.5 AMP WHT/VIO Scan-Lock™ 0.5 AMP WHT/GRN Right TA 1 AMP WHT/YEL Left TA 1 AMP Activating WHT/GRN + WHT/YEL = Split TA  Leader Lightbar: GREEN Front Corner LEDs 1 AMP GRN/WHT Front Outboards 1 AMP GRN/BLK Front Inboards 1 AMP WHT/RED Front Center LEDs 1 AMP









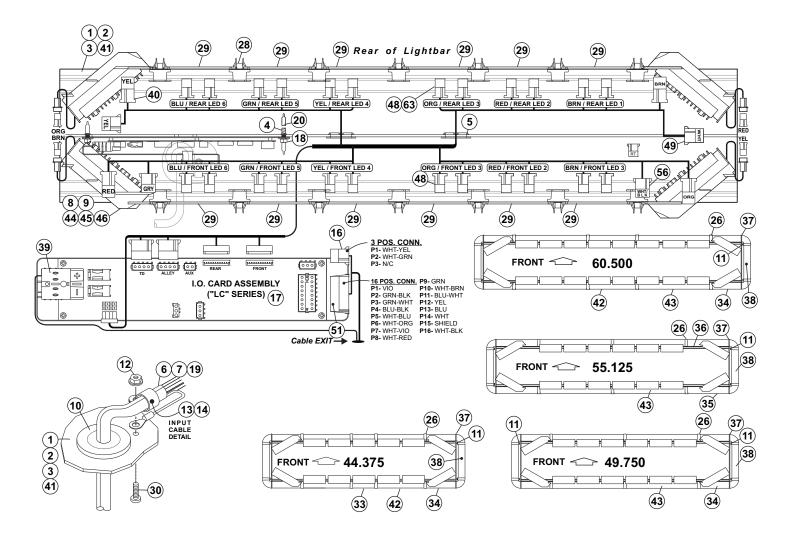


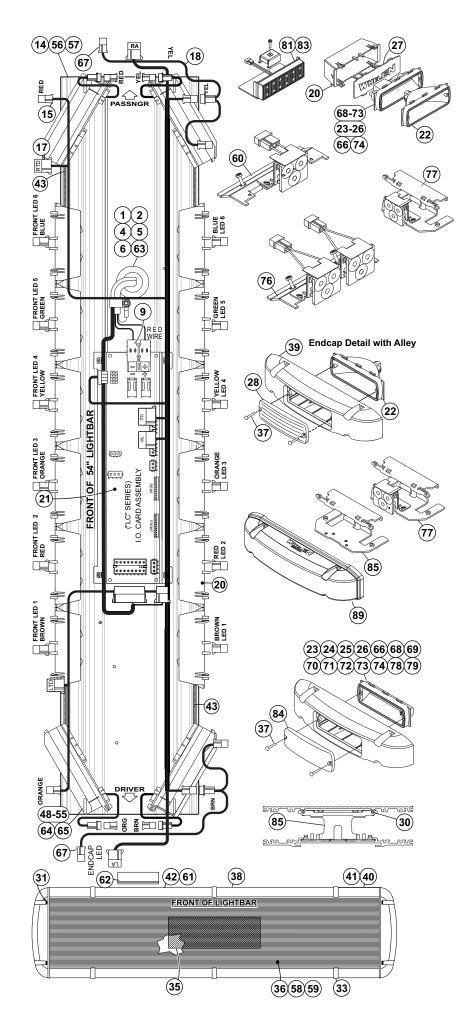




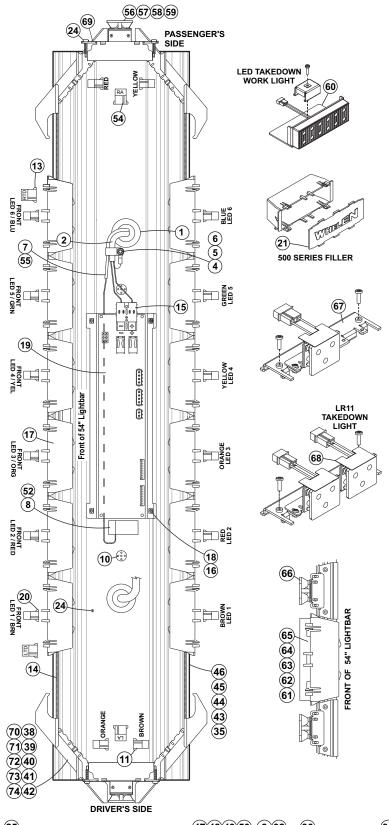
QTY	QTY	QTY	QTY	ITEM	PART NUMBER	DESCRIPTION
			*		01-0684194-08	FREEDOM GEN 3 LC R/R/B/B 50"
		*			01-0684194-13	FREEDOM GEN 3 LC R/R/B/B 55"
	*				01-0684194-18	FREEDOM GEN 3 LC R/R/B/B 60"
*					01-0684194-03	FREEDOM GEN 3 LC R/R/B/B 44"
-	-	-	1	1	11-363141-000	BASE EXTRUSION (45.75")
-	-	1		2	11-363142-000	BASE EXTRUSION (51.125")
-	1	-		3	11-363143-000	BASE EXTRUSION (56.50")
2	2	2	2	4	22-0542701-00	MTG. STUD
4	4	4	4	5	21-242401-000	BUSHING, 1-5/8"
1	1	1	1	6	46-0742957-17	CABLE, 2/C 10GA 17'
1	1	1	1	7	46-0744336-17	CABLE, 17/C 22GA 17'
2	2	2	2	8	01-026B807-50	CORNER REFLECTOR LED RED
2	2	2	2	9	01-026B807-20	CORNER REFLECTOR LED BLUE
1	1	1	1	10	21-11245004-1	GROMMET, 1.562"
8	8	8	8	11	14-104286-16JE	#10-24 x 1-1/4" TX. PHD. SCREW W/SHOULDER
1	1	1	1	12	13-104111-063	NUT, #10-24 WHIZ
1	1	1	1	14	26-0115663-10	CABLE CLAMP, 5/8"
1	1	1	1	17	01-0269881-00	ASSEMBLY, I/O BOARD LC
2	2	2	2	18	13-130111-072	NUT, 1/4-20 ELASTIC STOP (SS)
4	4	4	4	20	22-0416982-00	PROTECTIVE COVER
A/R	A/R	A/R	A/R	21	01-0286361244	LINEAR LED 400 GREEN GEN III AMP
A/R	A/R	A/R	A/R	22	01-0286361222	LINEAR LED 400 BLUE GEN III AMP
A/R	A/R	A/R	A/R	23	01-0286361255	LINEAR LED 400 RED GEN III AMP
A/R	A/R	A/R	A/R	24	01-0286361233	LINEAR LED 400 WHITE GEN III AMP
A/R	A/R	A/R	A/R	25	01-0286361211	LINEAR LED 400 AMBER GEN III AMP
8	8	6	6	26	02-0341448-30	LENS DIVIDER ASS'Y. (CLEAR)
1	1	1	1	27	10-0523067-02	LABEL, MODEL & SERIAL NO.
12	18	18	14	28	07-263103-000	MOUNTING BRACKET
10	16	12	12	29	09-1363158-00	FILLER PANEL, "400" SERIES
1	1	1	1	30	14-104216-160	#10-24 x 1 PPHMS
4	4	4	4	31	20-0042765-00	SPACER, CORNER STROBE
A/R	A/R	A/R	A/R	32	02-0363189-00	REFLECTOR ASS'Y. 400 HALOGEN
2	-	-	-	33	68-1983816-30	LENS, 5.00" CLEAR
4	4	-	4	34	68-1983817-30	LENS, 6.562" CLEAR
-	-	4	-	35	68-1984104-30	LENS, 9.25" CLEAR
-	-	4	-	36	07-242815-000	BRACKET, SPACER

2	2	2	2	37	38-0487447-00	GASKET, ENDCAP
2	2	2	2	38	68-1183369-30	ENDCAP, CLEAR
1	1	1	1	39	39-0017188-08	HOUSING, 2 POLE
1	1	1	1	40	46-0763942-00	HARNESS, 4 LIGHT 72"
1	-	-		41	11-363390-000	BASE EXTRUSION (40.375")
4	2	-		42	68-1183491C02	LENS, 10.375" CLEAR
-	4	4	4	43	68-1984105-30	LENS, 15.75" CLEAR
A/R	-	A/R	A/R	48	46-0763941-00	HARNESS, 6 LIGHT
A/R	A/R	A/R	A/R	49	46-0763967-00	HARNESS, ALLEY LIGHT
A/R	A/R	A/R	A/R	50	46-0743719-00	HARNESS, "Y" LR11
2	2	2	2	52	21-7263998-00	VENT, 3/4"
A/R	A/R	A/R	A/R	53	46-0743106-00	HARNESS, TRAFFIC ADVISOR
A/R	A/R	A/R	A/R	54	46-0741346-17	CABLE, 9/C 17'
A/R	A/R	A/R	A/R	55	39-0412014-14	HOUSING, 12 POS CMNL
A/R	A/R	A/R	A/R	56	46-0763967-01	HARNESS, TAKE DOWN
A/R	A/R	A/R	A/R	57	02-0364229-00	SUB ASSY, MR11/TIR3 ALLEY
A/R	A/R	A/R	A/R	58	02-036B4942A2	ATIR3 LED STEADY/AMB/VERT/AMP
A/R	A/R	A/R	A/R	59	02-036B4942B2	TIR3 LED STEADY/BLU/VERT/AMP
A/R	A/R	A/R	A/R	60	02-036B4942C2	TIR3 LED STEADY/WHT/VERT/AMP
A/R	A/R	A/R	A/R	61	02-036B4942R2	TIR3 LED STEADY/RED/VERT/AMP
A/R	A/R	A/R	A/R	62	46-0722108-00	HARNESS "Y"
-	A/R	-	-	63	46-0784223-00	6 LIGHT HARNESS 60"
A/R	A/R	A/R	A/R	64	01-0286361210	LED 400 SPLIT 6/6 GEN III AMB/NONE/AMP
A/R	A/R	A/R	A/R	65	01-0286361212	LED 400 SPLIT 6/6 GEN III AMB/BLU/AMP
A/R	A/R	A/R	A/R	66	01-0286361213	LED 400 SPLIT 6/6 GEN III AMB/WHT/AMP
A/R	A/R	A/R	A/R	67	01-0286361215	LED 400 SPLIT 6/6 GEN III AMB/RED/AMP
A/R	A/R	A/R	A/R	68	01-02863612A0	LED 400 SPLIT 3/3 GEN III AMB/NONE/AMP
A/R		A/R		69	01-02863612AB	LED 400 SPLIT 3/3 GEN III AMB/BLU/AMP
A/R	A/R	A/R	A/R	70	01-02863612AR	LED 400 SPLIT 3/3 GEN III AMB/RED/AMP
A/R	A/R	A/R	A/R	71	01-028636122A	LED 400 SPLIT 6/3 GEN III BLU/AMB/AMP
A/R	A/R	A/R	A/R	72	01-028636125A	LED 400 SPLIT 6/3 GEN III RED/AMB/AMP
A/R	A/R	A/R	A/R	73	01-026A936-00	SUB ASSY, DUAL LR11 TAKEDOWN
A/R	A/R	A/R	A/R	74	01-026A936-01	SUB ASSY, DUAL LR11 TAKEDOWN 100lm
A/R	A/R	A/R	A/R	75	01-026B047-30	SUB ASSY, DUAL LR11 ALLEY
A/R	A/R	A/R	A/R	76	01-026B047-31	SUB ASSY, DUAL LR11 ALLEY 100lm
A/R	A/R	A/R	A/R	77	38-0417738-00	O RING, CORD STOCK .093 DIA





OTV	OTV	QTY	ITEM	PART NUMBER	DESCRIPTION
<b>S</b> (11	<b>u</b> x 1 1	*		01-0684191-09	Liberty™ Gen 3 LC B/B/B/B 43"
	*	<u> </u>		01-0684191-13	Liberty™ Gen 3 LC R/R/B/B 48"
*				01-0684191-16	Liberty™ Gen 3 LC R/R/B/B 54"
1	1	1	1	21-11245004-1	GROMMET, 1.562"
1	1	1	2	46-0742957-17	INPUT CABLE ASS'Y., (2C-10GA.) 17'
1	1	1	4	13-104111-063	#10-24 WIZ NUT
1	1	1	5	26-0115663-10	CABLE CLAMP, 5/8"
1	1	1	6	14-0023347-00	SCREW, 10-24 x 1.25" TX PHD.
1 2	2	2	9 12	39-0017188-08 21-7263998-00	HOUSING, 2 POLE PLUG, VENT (3/4")
-	1	-	14	11-363312-044	EXTRUSION, BASE 44" W/HOLES
1	1	1	15	46-0743151-00	HARNESS, CORNER L.E.D. (LIBERTY)
A/R	A/R	A/R	16	46-0963330-00	HARNESS, INBOARD L.E.D. (LIBERTY)
A/R	A/R	A/R	17	46-0783576-04	HARNESS, TAKE DOWN (LIBERTY)
	A/R	_	18	46-0783576-03	HARNESS, ALLEY LIGHTS (LIBERTY)
12	12	10	20	11-483564-000	HOUSING, LIGHTHEAD (SNAP-IN)
1	1	1	21	01-0269879-00	ASS'Y., I.O. CARD "LC"
	A/R A/R	_	22	02-0383577-03	SUB-ASS'Y., 500 HALOGEN W/3POS. SUB-ASS'Y., 500 LED, AMBER, W/2POS.
	A/R	_	24	01-026B827610 01-026B827620	SUB-ASS'Y, 500 LED, BLUE W/2POS
	A/R	_	25	01-026B827630	
A/R		_	26	01-026B827650	SUB-ASS'Y., 500 LED, RED, W/2POS.
12	12	10	27	09-1363542-00	PANEL, FILLER (500 SERIES)
A/R	A/R	A/R	28	68-1963237-30	LENS, 500 SERIES, OPTIC (CLEAR)
4	4	4	29	20-0042765-00	SPACER, CORNER RETENTION
4	4	4	30	14-104216-06J	#10-24 X 3/8 PPH SCREW
8 A/D	8 A/D	8 A/D	31		#10-24 X 1-1/4" TX. PHD. W/SHOULDER
A/R 6	A/R 6	A/R 8	32	38-0283572-00 02-0342791-30	GASKET, ENDCAP  ASS'Y., LENS DIVIDER (CLEAR)
1	1	1	35	38-0142783-00	INSULATOR, FOAM PAD
÷	1	Ė	36	11-26B607-044	EXTRUSION, TOP 44"
A/R	A/R		37	15-065410-100	#6 X 5/8" PPH PLASTI-LOC SS
1	1	1	38	10-0322935-00	LABEL, "FRONT" LIGHTBAR ASS'Y.
A/R	A/R	A/R	39	68-1183566-3S	LENS, ENDCAP (CLEAR) W/SEAL
-	4	4	40	68-1983819-30	LENS, 5.687" LG. (CLEAR)
4	-	-	41	68-1963333C08	, ,
4	4	-	42	68-1983567-30	LENS, 15.800" LG. (CLEAR)
1	1	1	44	07-243170-000 10-0522960-00	BRACKET, SPACER CORNER  LABEL, MODEL & SERIAL NO.
2	2	4	49	01-026B625220	
2	2	-	51	01-026B625250	, ,
-	-	1	56	11-363312-038	EXTRUSION, BASE 38.61" W/HOLES
1	-	-	57	11-363312-049	EXTRUSION, BASE 49.39" W/HOLES
-	-	1	58	11-26B607-038	EXTRUSION, TOP 38.61"
1	- A/D	- A/D	59	11-26B607-049	EXTRUSION, TOP 49.39"
A/R	A/R		60	01-026A749-05 68-1963333C03	SUB ASSY, LR11 T-D SINGL. FULL LBRTY
-	-	2	61 62	68-1963333003	LENS, 10.500" LG. (CLEAR)  LENS, 5.062" LG. (CLEAR)
1	1	1	63	46-0744336-17	CABLE, 17/C 22GA (17')
A/R	_	_	66	01-026B827640	SUB-ASS'Y., 500 LED, GREEN, W/2POS.
	A/R	_	67	46-0722108-00	HARNESS, "Y"
A/R	A/R	A/R	68	01-026B827410	SUB-ASS'Y., 500 4 LED, AMB, W/2POS.
	A/R	_	69	01-026B827420	
	A/R		70	01-026B827430	SUB-ASS'Y., 500 4 LED, WHITE, W/2POS.
	A/R	_	71	01-026B827440	
A/R			72 73	01-026B827450 01-026B8276K0	SUB-ASS'Y., 500 4 LED, RED, W/2POS. SUB-ASS'Y., 500 AMBER-RED W/2POS.
A/R A/R	_		74	01-026B8276K0	
	A/R	_	75	01-026B8276M0	SUB ASSY, LR11 TD HALF LIBERTY
A/R	A/R		76	01-026A749-06	SUB ASSY, LR11 T-D DUAL FULL LIBERTY
A/R	_		77	01-026B855-30	SUB ASSY, LR11 ALLEY LT WHITE 20 DEG
A/R	A/R	A/R	78	01-026B8276J0	SUB-ASS'Y., 500 RED-BLUE W/2POS.
A/R	A/R	A/R	79	01-026B8276A0	
A/R	A/R		80	01-0264868-00	SUB-ASS'Y., 500 LED ALLEY LIGHT
A/R			81	01-026A493-00	SUB-ASS'Y, TIR LED TD, N/OPTIC
A /D	A/R		82	26-0215001-06	TY-WRAP, 6" BLACK
A/R		A/R	83	01-026A493-01	SUB-ASS'Y, TIR LED TAKEDOWN, OPTIC
A/R		A / C		68-3963228-30	LENS, 500 SERIES, NON OPTIC (CLEAR)
A/R A/R	A/R	_	84		
A/R A/R 2	A/R 2	2	85	02-036B855-00	SUB ASSY, END SUPPORT BRACKET
A/R A/R 2 A/R	A/R 2 A/R	2 A/R	85 86	02-036B855-00 01-026B8272J0	SUB ASSY, END SUPPORT BRACKET SUB ASSY, 500 6/6 BLU/RED INTRLVD
A/R A/R 2 A/R A/R	A/R 2 A/R A/R	2 A/R A/R	85	02-036B855-00 01-026B8272J0 01-026B8271K0	SUB ASSY, END SUPPORT BRACKET SUB ASSY, 500 6/6 BLU/RED INTRLVD SUB ASSY, 500 6/6 AMB/RED INTRLVD
A/R A/R 2 A/R	A/R 2 A/R	2 A/R A/R	85 86 87	02-036B855-00 01-026B8272J0	SUB ASSY, END SUPPORT BRACKET SUB ASSY, 500 6/6 BLU/RED INTRLVD SUB ASSY, 500 6/6 AMB/RED INTRLVD



OTY	OTY	OTY	ОТУ	ITEM	PART NUMBER	DESCRIPTION
•	٠	٠	*		01-0684458-	Liberty Lightbar™ 60" LC
		*			01-0684458-	Liberty Lightbar™ 54" LC
	*				01-0684458-	Liberty Lightbar™ 48" LC
*	_				01-0684458-	Liberty Lightbar™ 43" LC
1	1	1	1	1	21-11245004-1	GROMMET, 1.562"
1	1	1	1	2	46-0742957-17	INPUT CABLE, (2C-10GA.) 17'
4	<u> </u>	-	2	3	68-1963333C03	LENS, 10.500 LG (CLEAR)
1	1	1	1	4	13-104111-063	#10-24 WIZ NUT
1	_	1	1	5	26-0115663-10	
_	1	1	1	6		CABLE CLAMP, 5/8"
1	1			_		SCREW, 10-24 x 1.25" TX PHD
2	2	2	2	_		PLUG, VENT (3/4")
1	1	1	1	11		HARNESS, CORNER LED
4	4	- A / D	4	12		LENS, 5.687" LG. (CLEAR)
_	A/R	A/R	A/R	_		HARNESS, TAKE DOWN/WORK LIGHTS
-	-	4	-	14	07-243170-000	SPACER, CORNER
1	1	1	1	15	39-0017188-08	
10	12	12	16	17	11-483564-000	HOUSING, LIGHTHEAD (SNAP-IN)
1	1	1	1	19	01-0269879-00	ASS'Y, I/O CARD "LC"
2	2	2	2	20	46-0963330-00	HARNESS, INBOARD LED
10	12	12	16	21	09-1363542-00	PANEL, FILLER (500 SERIES)
4	4	4	4	24	14-104216-06J	#10-24 X 3/8 PPH SCREW
8	8	8	8	25	14-104286-16JE	3#10-24 X 1-1/4" TX. PHD. W/SHOULDER
8	6	6	8	27	02-0342791-30	ASS'Y., LENS DIVIDER (CLEAR)
1	1	1	1	29	38-0142783-00	INSULATOR, FOAM PAD
1	1	1	1	30	10-0322935-00	LABEL, "FRONT" LIGHTBAR ASS'Y.
2	2	2	2	31	02-036E683-30	SUB ASSY, OVERMOLD ENDCAP CLEAR
2	-	-	2	32		LENS, 5.062" LG (CLEAR)
	-	4	-	33		LENS, 8.375" LG. (CLEAR)
-	4	4	4	34		LENS, 15.800" LG. (CLEAR)
1	1	1	1	35		LABEL, MODEL & SERIAL NO.
	_	A/R		38		EXTENDED, CORNER 12 L.E.D. AMBER
-	_	A/R		39		EXTENDED, CORNER 12 L.E.D. BLUE
	_	A/R	_	40		
	_		_	41		EXTENDED, CORNER 12 L.E.D. WHITE
	A/R		_			EXTENDED, CORNER 12 L.E.D. RED
_	A/R		A/R	42		EXTENDED, CORNER 12 L.E.D. GREEN
-	-	-	1	43	11-363312-054	BASE, EXTRUDED (54.78")
-	-	1	-	44	11-363312-049	BASE, EXTRUDED (49.39")
-	1	-	-	45	11-363312-044	BASE, EXTRUDED (44.00")
1	-	-	-	46	11-363312-038	BASE, EXTRUDED (38.61")
-	-	•	1	47		TOP, EXTRUDED (54.78")
-	-	1	-	48	11-26B607-049	TOP, EXTRUDED (49.39")
-	1	•	-	49	11-26B607-044	TOP, EXTRUDED (44.00")
1	-	-	-	50	11-26B607-038	TOP, EXTRUDED (38.61")
A/R	A/R	A/R	A/R	53	46-0743719-00	HARNESS, "Y"
A/R	A/R	A/R	A/R	54	46-0783576-03	HARNESS, ALLEY LIGHT
1	1	1	1	55	46-0744336-17	CABLE, 17/C 22GA (17')
A/R	A/R	A/R	A/R	56	01-02 <mark>6B855-30</mark>	SUB-ASS'Y, ADJ. LR-11 ALLEY LIGHT
	A/R			57	01-026B855-10	SUB-ASS'Y, ADJ. LR-11 ALLEY LT AMBER
A/R	A/R	A/R	A/R	58	01-026B855-20	SUB-ASS'Y, ADJ. LR-11 ALLEY LT BLUE
			A /D		01 0268855 50	SUB-ASS'Y, ADJ. LR-11 ALLEY LT RED
A/R	A/R	A/R	A/R	59	01-0200000-00	
_	_	A/R A/R		60		SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC
A/R	A/R		A/R	60	02-036A493-00	
A/R A/R	A/R A/R	A/R	A/R A/R	60 61	02-036A493-00 01-026B827610	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER
A/R A/R A/R	A/R A/R A/R	A/R A/R	A/R A/R A/R	60 61 62	02-036A493-00 01-026B827610 01-026B827620	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC
A/R A/R A/R A/R	A/R A/R A/R A/R	A/R A/R A/R A/R	A/R A/R A/R A/R	60 61 62 63	02-036A493-00 01-026B827610 01-026B827620 01-026B827630	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LING AMBER SUB-ASS'Y, 500 LING BLUE SUB-ASS'Y, 500 LING WHITE
A/R A/R A/R A/R A/R	A/R A/R A/R A/R	A/R A/R A/R A/R A/R	A/R A/R A/R A/R	60 61 62 63 64	02-036A493-00 01-026B827610 01-026B827620 01-026B827630 01-026B827650	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER SUB-ASS'Y, 500 LIN6 BLUE SUB-ASS'Y, 500 LIN6 WHITE SUB-ASS'Y, 500 LIN6 RED
A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R	60 61 62 63 64 65	02-036A493-00 01-026B827610 01-026B827620 01-026B827630 01-026B827650 01-026B8276J0	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER SUB-ASS'Y, 500 LIN6 BLUE SUB-ASS'Y, 500 LIN6 WHITE SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, 500 LIN6 RED/BLU
A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R A/R	60 61 62 63 64 65 66	02-036A493-00 01-026B827610 01-026B827620 01-026B827630 01-026B827650 01-026B8276J0 01-026A748-02	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LING AMBER SUB-ASS'Y, 500 LING BLUE SUB-ASS'Y, 500 LING WHITE SUB-ASS'Y, 500 LING RED SUB-ASS'Y, 500 LING RED/BLU SUB-ASS'Y, 500 LING RED/BLU SUB-ASS'Y, LR-11 TAKEDOWN LT HALF
A/R A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R A/R A/R A/R A/R	60 61 62 63 64 65 66 67	02-036A493-00 01-026B827610 01-026B827620 01-026B827630 01-026B827650 01-026B8276J0 01-026A748-02 01-026A749-05	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LING AMBER SUB-ASS'Y, 500 LING BLUE SUB-ASS'Y, 500 LING WHITE SUB-ASS'Y, 500 LING RED SUB-ASS'Y, 500 LING RED/BLU SUB-ASS'Y, LR-11 TAKEDOWN LT HALF SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL
A/R A/R A/R A/R A/R A/R A/R A/R	A/R	A/R	A/R	60 61 62 63 64 65 66 67 68	02-036A493-00 01-026B827610 01-026B827620 01-026B827630 01-026B827650 01-026B8276J0 01-026A748-02 01-026A749-05	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LING AMBER SUB-ASS'Y, 500 LING BLUE SUB-ASS'Y, 500 LING WHITE SUB-ASS'Y, 500 LING RED SUB-ASS'Y, 500 LING RED/BLU SUB-ASS'Y, LR-11 TAKEDOWN LT HALF SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL SUB-ASS'Y, LR11 TAKEDOWN FULL DUAL
A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	A/R	A/R	A/R	60 61 62 63 64 65 66 67 68 69	02-036A493-00 01-026B827610 01-026B827630 01-026B827630 01-026B827650 01-026B8276J0 01-026A748-02 01-026A749-05 01-026A749-06	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER SUB-ASS'Y, 500 LIN6 BLUE SUB-ASS'Y, 500 LIN6 WHITE SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, 500 LIN6 RED/BLU SUB-ASS'Y, 18-11 TAKEDOWN LT HALF SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL SUB-ASS'Y, LR-11 TAKEDOWN FULL DUAL SUB-ASS'Y, LR-11 TAKEDOWN FULL DUAL
A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	A/R	A/R	A/R	60 61 62 63 64 65 66 67 68 69	02-036A493-00 01-026B827610 01-026B827630 01-026B827650 01-026B827650 01-026A748-02 01-026A749-05 01-026A749-06 02-036B855-00 01-026B855-00	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER SUB-ASS'Y, 500 LIN6 BLUE SUB-ASS'Y, 500 LIN6 WHITE SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, 500 LIN6 RED/BLU SUB-ASS'Y, LR-11 TAKEDOWN LT HALF SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL SUB-ASS'Y, LR11 TAKEDOWN FULL DUAL SUB-ASSY, LR11 TAKEDOWN FULL DUAL
A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	A/R	A/R	A/R	60 61 62 63 64 65 66 67 68 69 70	02-036A493-00 01-026B827610 01-026B827630 01-026B827650 01-026B827650 01-026B827650 01-026A748-02 01-026A749-05 01-026A749-06 02-036B855-00 01-026B693810 01-026B693820	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER SUB-ASS'Y, 500 LIN6 BLUE SUB-ASS'Y, 500 LIN6 WHITE SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, 500 LIN6 RED/BLU SUB-ASS'Y, LR-11 TAKEDOWN LT HALF SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL SUB-ASS'Y, LR-11 TAKEDOWN FULL DUAL SUB-ASSY, LR-11 TAKEDOWN FULL SINGL SUB-ASSY L
A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	A/R	A/R	A/R	60 61 62 63 64 65 66 67 68 69 70 71	02-036A493-00 01-026B827610 01-026B827630 01-026B827650 01-026B827650 01-026B8276J0 01-026A748-02 01-026A749-05 01-026A749-06 02-036B855-00 01-026B693810 01-026B693830	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER SUB-ASS'Y, 500 LIN6 BLUE SUB-ASS'Y, 500 LIN6 WHITE SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, LR-11 TAKEDOWN LT HALF SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL SUB-ASS'Y, LR-11 TAKEDOWN FULL DUAL SUB-ASS'Y, LR-11 TAKEDOWN FULL DUAL SUB-ASS'Y, LR-11 TAKEDOWN FULL DUAL SUB-ASSY, LR-11 TAKEDOWN FULL SINGLE SUB
A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	A/R A/R A/R A/R A/R A/R A/R A/R A/R A/R	A/R	A/R	60 61 62 63 64 65 66 67 68 69 70 71	02-036A493-00 01-026B827610 01-026B827630 01-026B827650 01-026B827650 01-026A748-02 01-026A749-06 02-036B855-00 01-026B693810 01-026B693830 01-026B693830	SUB-ASS'Y, TIR TAKE-DOWN NON OPTIC SUB-ASS'Y, 500 LIN6 AMBER SUB-ASS'Y, 500 LIN6 BLUE SUB-ASS'Y, 500 LIN6 WHITE SUB-ASS'Y, 500 LIN6 RED SUB-ASS'Y, 500 LIN6 RED/BLU SUB-ASS'Y, LR-11 TAKEDOWN LT HALF SUB-ASS'Y, LR-11 TAKEDOWN FULL SINGL SUB-ASS'Y, LR-11 TAKEDOWN FULL DUAL SUB-ASSY, LR-11 TAKEDOWN FULL SINGL SUB-ASSY L

