APS Resource
Your Aftermarket Solution 6219 West Eastwood Court • Mequon, Wisconsin 53092 • TEL: (262) 518-1000 • FAX: 1-800-827-7491

APS&GO™- LED

Installation and Owner's Manual

⚠WARNING

Do not install, operate or service this product unless you have read and understand the Safety Practices, Warnings, and Installation and Operating Instructions contained in this manual. Failure to do so could result in death or serious injury.

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WARRANTY/SAFETY SIGNALS

APS Resource warrants that this APS&GO™ will be free from defects in material and workmanship under normal use for a period of one (2) years from the earlier of 1) 60 days after the date of initial shipment by APS Resource, or 2) the date of installation of the APS&GO by the original purchaser, provided that the owner maintains and operates the APS&GO in accordance with this Owner's Manual.

In the event that this APS&GO proves defective in material or workmanship within the applicable limited warranty period, APS Resource will, at its option:

1. Replace the APS&GO or the defective portion without charge to the owner, or
2. Alter or repair the APS&GO on site or elsewhere, without charge to the owner.

The limited warranty stated in the preceding paragraph IS EXCLUSIVE AND IT IS IN LIEU OF ANY OTHER GUARANTEES AND WARRANTIES, EXPRESS OR IMPLIED. The limited warranty does not cover any failure caused by improper installation, abuse, negligence or failure to maintain and adjust the APS&GO properly. Parts requiring replacement due to damage resulting from vehicle impact, abuse or improper operation are not covered by this warranty. APS Resource disclaims any responsibility or liability for any loss or damage (including, without limitation, direct, indirect or consequential damages, or lost profits or production time) that results from the use of unauthorized replacement parts or modification of the APS&GO. APS Resource's sole obligation with regard to an APS&GO that proves to be defective in material or workmanship shall be as set forth in its standard warranty above (i.e., APS Resource will, at its option, repair or replace the APS&GO or portion thereof, without charge to the purchaser).

This limited warranty does not cover any failure caused by improper installation, abuse, negligence, or failure to properly maintain and adjust the APS&GO. This limited warranty will be void or of no effect if the original purchaser does not notify APS Resource's warranty department within ninety (90) days after the product defect is discovered. Parts requiring replacement due to damage resulting from vehicle impact, abuse, or improper operation are not covered by this warranty. APS Resource disclaims any responsibility or liability for any loss or damage that results from the use of unauthorized replacement parts or modification of the APS&GO.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF, AND THERE IS NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE.

APS Resource warranties extend only to the APS&GO itself.

APS Resource DISCLAIMS all warranties, express or implied, responsibility or liability for loss or damage of any kind associated with the installation or maintenance of the APS&GO, including any liability for premature product wear, product failure, property damage or bodily injury arising from improper installation or maintenance of the APS&GO.

SAFETY SIGNAL WORDS

You may find safety signal words such as DANGER, WARNING or CAUTION throughout the owner's manual. Their use is explained below.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

⚠WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

⚠CAUTION

Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

NOTICE

Notice is used to address practices not related to personal injury.

SAFETY PRACTICES/INTRO.

⚠ WARNING

Read these safety practices before installing, operating or servicing the APS&GO™. Failure to follow the safety practices could result in serious injury or death.

READ AND FOLLOW THE INSTRUCTIONS CONTAINED IN THIS MANUAL BEFORE INSTALLING, OPERATING OR SERVICING THE APS&GO™. If you do not understand the instructions, ask your supervisor to teach you how to use the APS&GO™ or call APS Resource.

Improper installation of APS&GO™ could result in death or serious injury to dock workers or other users of the APS&GO™.

Be certain to follow the installation instructions in this manual.

INSTALLATION AND OPERATION

Use by untrained people can cause property damage, bodily injury and/or death. Your supervisor should teach you the safe and proper way to use the APS&GO™. Read and follow the complete OPERATION PROCEDURE before use. DO NOT USE THE APS&GO™ IF IT IS NOT WORKING CORRECTLY. Tell your supervisor it needs repair.

Always CHOCK TRUCK WHEELS or lock the truck to the dock with a truck restraint, and set the trailer brakes before loading or unloading the truck.

If during the installation, operation, or maintenance of the APS&GO™, there are any questions about the operation, performance or procedures, contact your supervisor or your local APS Resource distributor.

Before chocking wheels or engaging vehicle restraint, dump air from air ride suspensions and set parking brake.

MAINTENANCE AND SERVICE

Place barricades around pit on dock floor and drive while installing or repairing the APS&GO™.

Do not stand in the driveway between the dock and backing truck.

Electrical troubleshooting and repair must be done by a qualified technician and meet all applicable codes.

Before doing any electrical work (including changing bulbs), make certain the power is disconnected and properly tagged or locked off.

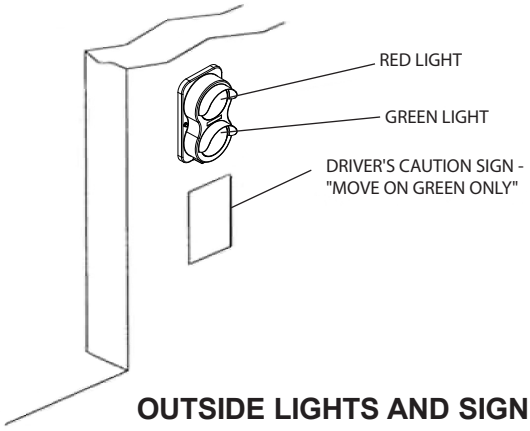
INTRODUCTION

The APS&GO™ establishes positive communications between the dock worker and the truck driver through the use of signs and signal lights.

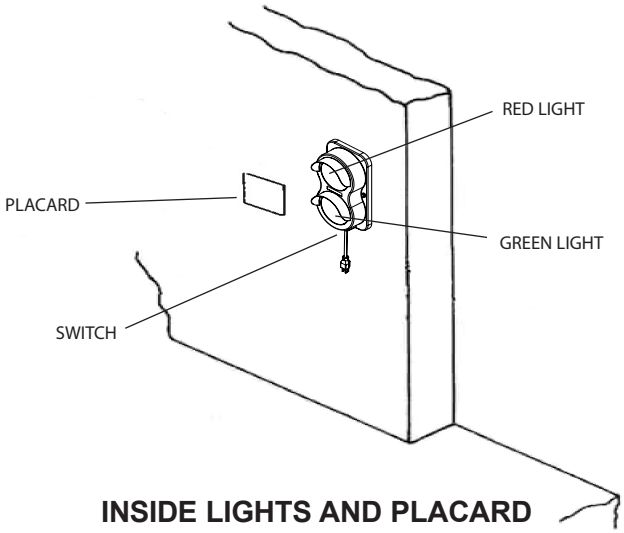
The APS&GO™ consists of two sets of red and green signal lights. One set is mounted inside the building and the other set is mounted outside of the building. Both sets of lights are controlled by a switch on the inside lights. When the green inside light is flashing, the red outside light will flash. Likewise, when the red inside light is flashing, the green outside light will flash.

The sign mounted on the outside tells the truck driver to back in or pull out only when the GREEN outside signal light is on. The placard on the wall inside the building tells the dock worker to enter the truck only when the GREEN light is flashing.

FIGURE 1



OUTSIDE LIGHTS AND SIGN



INSIDE LIGHTS AND PLACARD

INSTALLATION

⚠WARNING

Do not install, operate or service this product unless you have read and followed the Safety Practices, Warnings, and Installation and Operating Instructions contained in this manual. Failure to do so could result in death or serious injury.

Place barricades around pit on dock floor and drive while installing, maintaining or repairing APS&GO™.

Be certain to follow the installation instructions in this manual.

⚠WARNING

Before doing any electrical work, make certain the power is disconnected and properly locked or tagged off. Failure to do so could result in property damage, death or serious injury. All electrical work must be done by a qualified technician and must meet all applicable codes.

NOTE:
The inside lights may be hard wired if an outlet is not available or local codes do not allow the use of a power cord. See wiring diagrams.

NOTE:
Check electrical service to assure it agrees with the correct voltage for the APS&GO signal lights.

INSTALLATION

STANDARD WALL MOUNTING PROCEDURE

1. Position the outside signal lights on the truck driver's side of the outside building wall so that they can be seen by the truck driver when he is backing the truck to the dock. Mark this location. See Figure 2.
2. Drill a hole through the wall at the center of the light assembly location, large enough to allow the signal cable to be run to the inside lights.
3. Run signal cable from outside lights through hole in the wall, and fasten outside signal lights to outside wall. See Figure 2.
4. Seal hole in wall around cable.
5. Mount the inside signal lights on the inside of the building wall, as close as possible to the left side of the door, so that it is obvious to the dock worker that the lights refer to that particular door. See Figure 3.
6. Disassemble the inside signal lights to access wires. Wire the inside signal light assembly. See wiring diagrams.
7. Re-assemble the inside signal light.

FIGURE 2

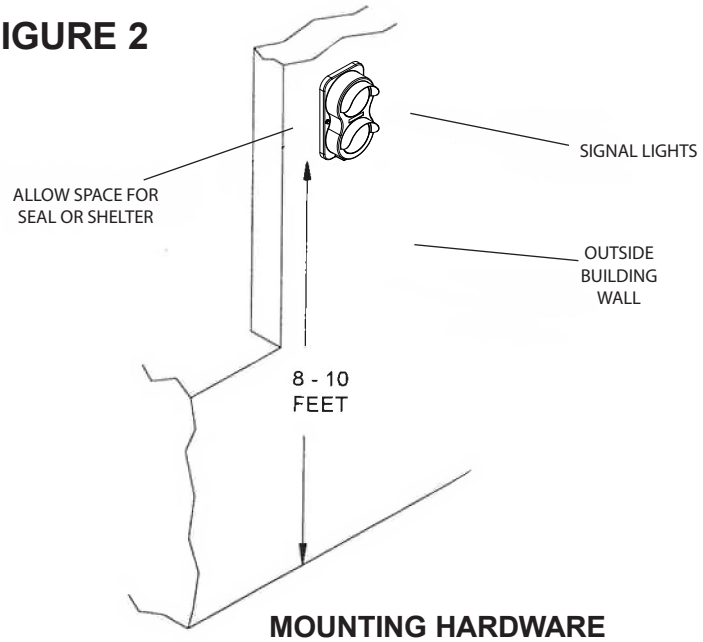
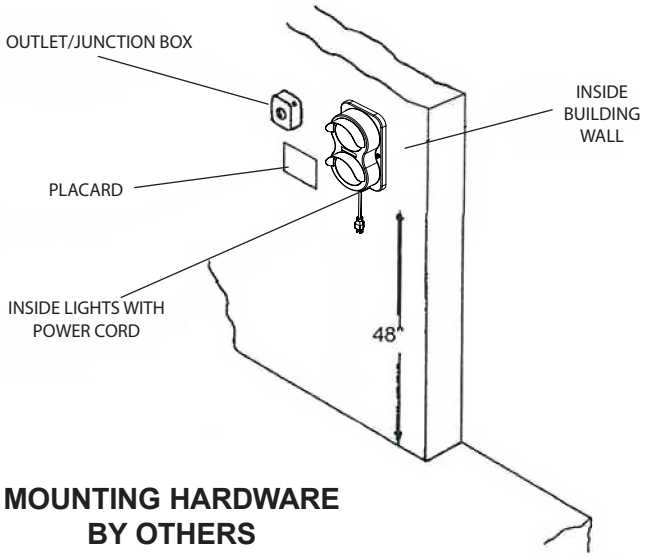


FIGURE 3

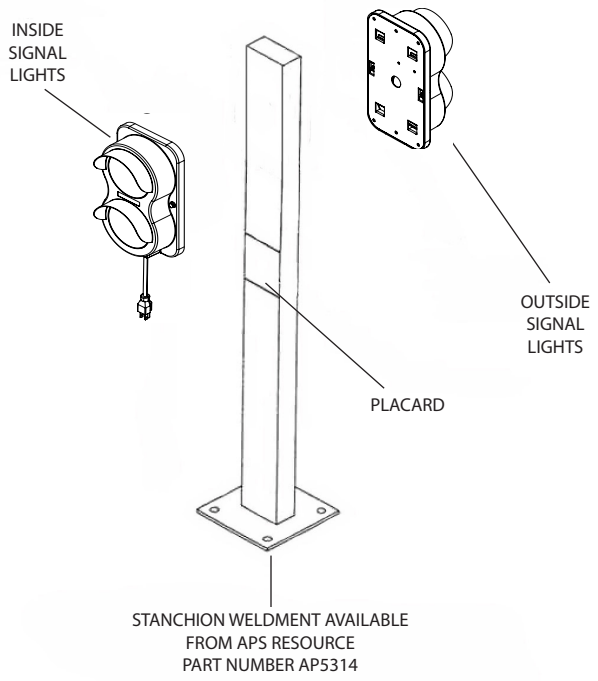


8. Plug the power cord into the electrical outlet or turn on power at fused disconnect.
9. Check for proper operation. One light must be on, inside and outside, at all times. When the GREEN inside light is flashing, the RED outside light must be flashing. When the RED inside light is flashing, the GREEN outside light must be flashing.
10. If the lights do not operate properly, TURN OFF POWER TO LIGHTS and rewire as required. Repeat step 8 above.
11. Permanently mount "ENTER TRUCK ON GREEN LIGHT ONLY" placard as close as possible to inside signal light. See Figure 3.
12. Permanently mount the driver's caution sign on the outside building wall under the signal light. See Figure 1.
13. Instruct dock workers on proper use of the APS&GO using the OPERATION PROCEDURE.

OPTIONAL STANCHION MOUNTING

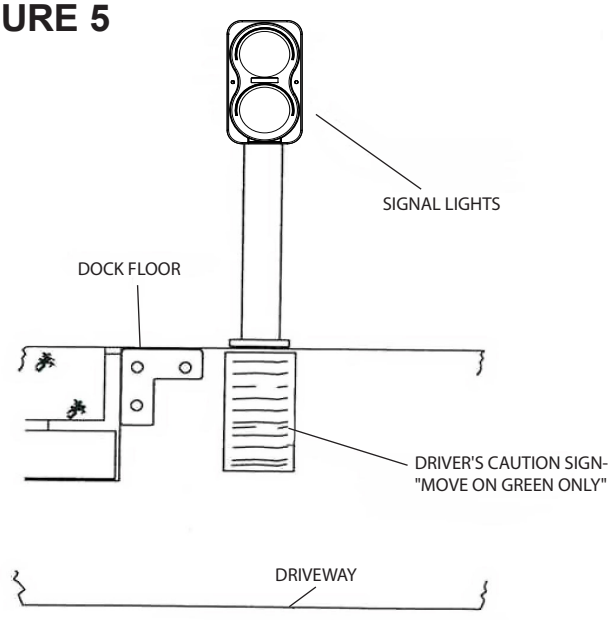
1. Anchor the stanchion to the dock floor in a location so that the signal light assembly will be easily visible to the truck driver.
2. Mount the outside signal lights to the stanchion. See Figure 4.
3. Wire and mount the inside signal light assembly to the stanchion.
4. Plug power cord into the electrical outlet or turn power on at the fused disconnect.
5. Check for proper operation. One light must be on, inside and outside, at all times. When the GREEN inside light is flashing, the RED outside light must be flashing. When the RED inside light is flashing, the GREEN outside light must be flashing.
6. If the lights do not operate properly, TURN OFF POWER TO THE CONTROL BOX and rewire as required. Repeat step 5 above.
7. Permanently mount "ENTER TRUCK ON GREEN LIGHT ONLY" placard as close as possible to inside signal light. See Figure 4.
8. Permanently mount the driver's caution sign on the dock wall under the signal light assembly. See Figure 5.
9. Instruct all dock workers on the proper use of the APS&GO™ using the OPERATION PROCEDURE.

FIGURE 4



MOUNTING HARDWARE BY OTHERS

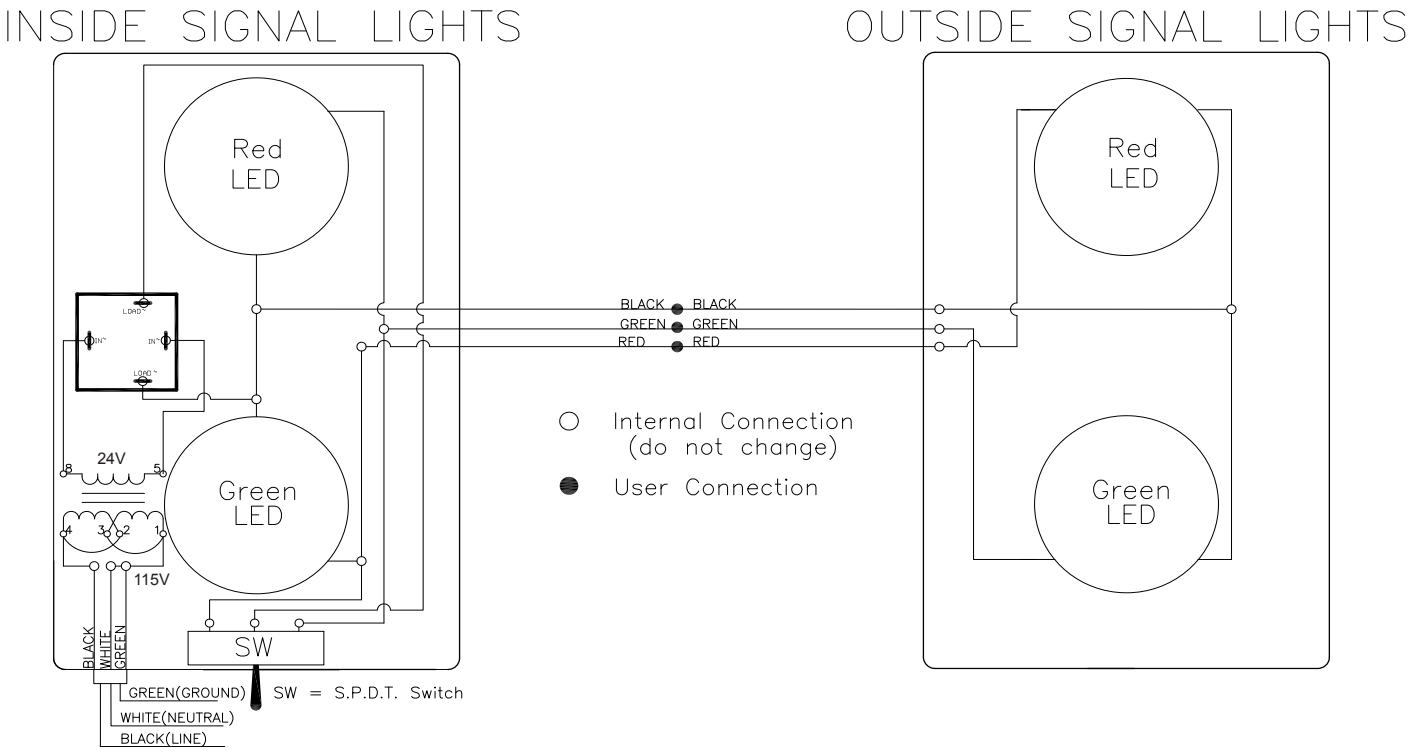
FIGURE 5



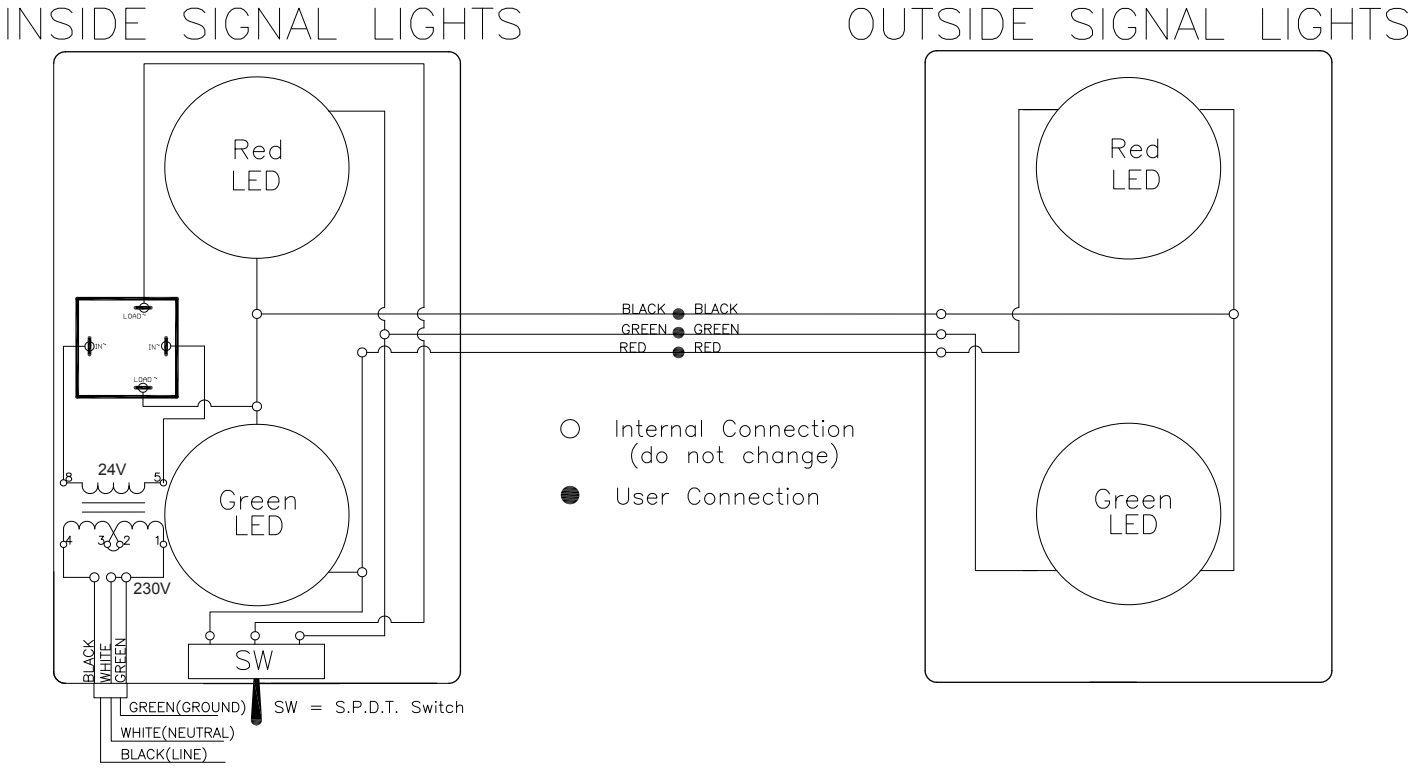
MOUNTING HARDWARE BY OTHERS

WIRING DIAGRAM

115 VAC LED



230 VAC LED



⚠WARNING

Do not operate this product unless you have read and followed the Safety Practices, Warnings, and Operating Instructions contained in this manual. Failure to do so could result in death or serious injury.

Always be certain that the truck wheels are chocked, or that the truck is locked in place by a truck restraining device and the brakes are set before loading or unloading.

Enter truck on inside GREEN light only! If the GREEN light is not flashing, the truck driver is signaled that he may pull out. Trucks leaving when loading or unloading is in process could result in death or serious injury.

OPERATION

1. Position the truck at the dock and set the brakes. Lock truck in place with a truck restraint or chock wheels.
2. Operate switch on inside signal lights to turn on the GREEN inside light, signaling the dock worker that he may proceed with the loading or unloading operation. The RED outside light will flash signaling the truck driver not to pull out.
3. When loading or unloading has been completed, release the truck restraint or remove wheel chocks.
4. Operate switch on inside signal lights to turn on the RED inside light, signaling the dock attendant not to enter the truck. The GREEN outside light will flash, signaling the truck driver that he may pull away from the dock.

⚠WARNING

Do not service this product unless you have read and followed the Safety Practices, Warnings, and Operational Instructions contained in this manual. Failure to do so could result in death or serious injury.

Before doing any electrical work (including changing bulbs) make certain the power is disconnected and properly tagged or locked off.

OPERATIONAL CHECKS

1. Check the inside signal lights. The RED or GREEN light must be flashing at all times. Operate switch on inside signal light to be certain both lights are working. Replace bulbs or LED assemblies as required.
2. Check the outside signal lights. A RED or GREEN light must be flashing at all times. Operate the switch on inside signal lights to be certain both lights are working. Replace bulbs or LED assemblies as required.

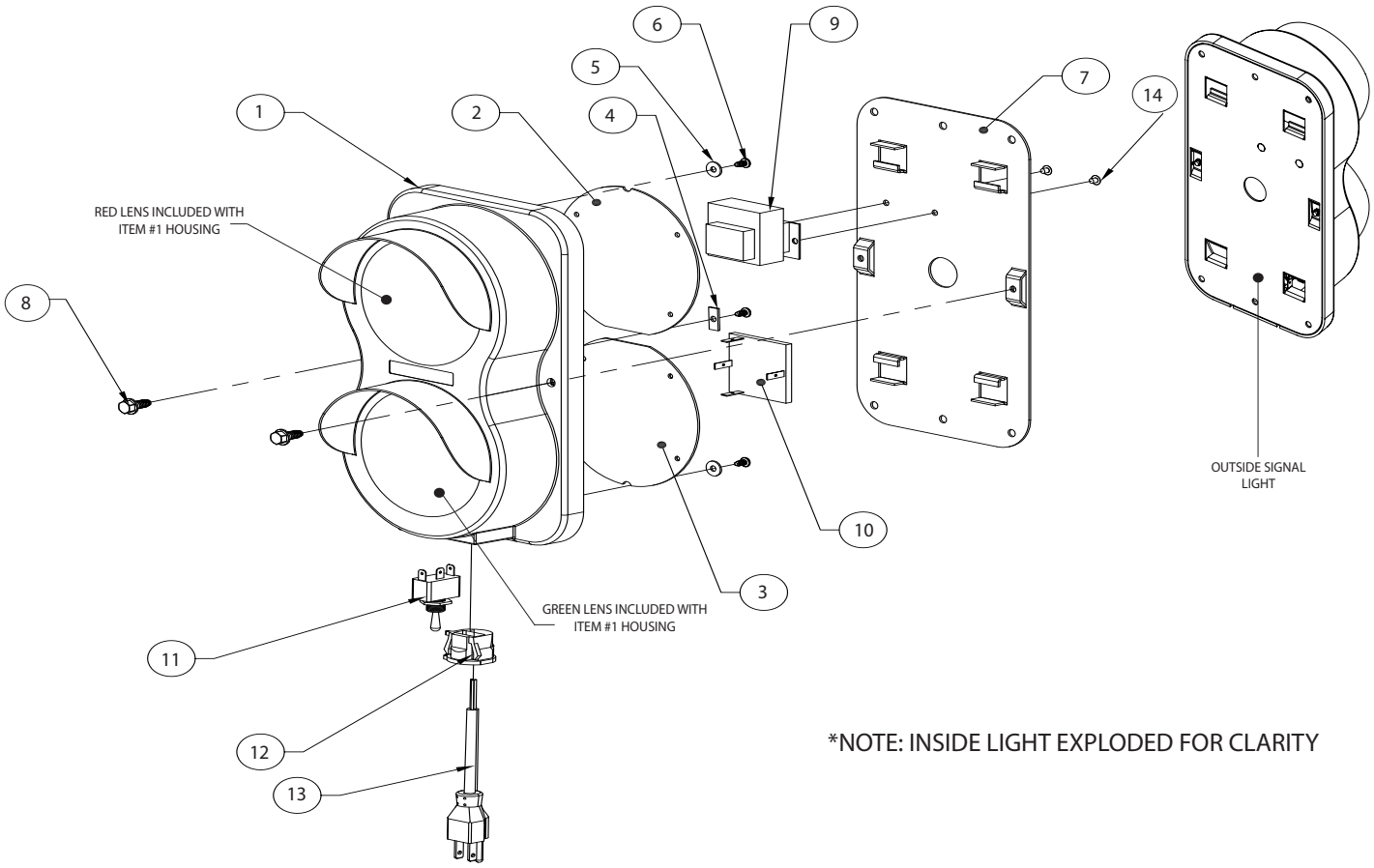
NOTE:
After checking lights, be certain lights are returned to the proper display. If no truck is at the dock, or the truck is not chocked or hitched, the red inside light should be flashing and the green outside light should be flashing. If a truck is at the dock and is hitched or wheels are chocked, the green inside light should be flashing and the red outside light should be flashing.

MONTHLY

Check all operating, warning, and caution labels, placards and signs to be sure they can be read. Replace them if required. See the Parts List for part numbers.

PARTS LIST

APS&GO LED (115/230 VAC)



*NOTE: INSIDE LIGHT EXPLODED FOR CLARITY

ITEM	QTY	DESCRIPTION	P/N
-	-	OUTSIDE SIGNAL LIGHT, 12-24V, LED	AP4441
-	-	INSIDE SIGNAL LIGHT, 115V, LED	AP4442
	-	INSIDE SIGNAL LIGHT, 230V, LED	AP4452
1	2	HOUSING W/ RED & GRN LENSES	6007799
2	2	RED LED BOARD, 12-24V	6007800
3	2	GREEN LED BOARD, 12-24V	6007801
4	2	CIRCUIT BOARD RETAINING CLIP	AP4454
5	4	WASHER, #8	AP4615
6	6	SCREW, PAN HEAD, #8	AP4453
7	2	WALL MOUNTING PLATE	6007802
8	4	BOLT, HEX HEAD	AP4614
9	1	TRANSFORMER, 115/230 PRI, 24V SEC	AP4451
10	1	FLASHER, 12-24V	AP4677
11	1	TOGGLE SWITCH	AP4449
12	1	STRAIN RELIEF	AP4448
13	1	POWER CORD, 115V, 6FT LNG	AP4446
	1	POWER CORD, 230V, 6FT LNG	AP4455
14	2	RIVET, 5/32" DIA	-------
15	1	SIGN, MOVE ON GRN ONLY (NOT SHOWN)	709832
16	1	PLACARD, INSIDE (NOT SHOWN)	908899

⚠WARNING

To ensure proper function, durability and safety of the product, only replacement parts that do not interfere with the safe, normal operation of the product must be used. Incorporation of replacement parts or modifications that weaken the structural integrity of the product, or in any way alter the product from its normal working condition at the time of purchase from APS Resource could result in product malfunction, breakdown, premature wear, death or serious injury.