

Overview of Towing Navigation Light System TS0520

S0300-BV-CAT-010

TOWING NAVIGATION LIGHT SYSTEM

System - TS0520

The Towing Navigation Light System TS0520 is designed to provide navigation lights for placement on a towed vessel. The light system consists of red, green, and white navigational lights, battery packs, connecting cables, and a 110-volt charger assembly. The system is configured to provide a minimum of 15 days of continuous lighting between battery charges.

System Components for TS0520

Alternates

ESSM No	Nomenclature	Type	Qty	NS	Cont
LI0020	LIGHT KIT, NAVIGATION, PORTABLE	BL	1		
LI0025	BATTERY PACK, FOR NAVIGATION LIGHT SYSTEM	BL	2		

Baseline verified on 9/10/2020, * Not shown in catalog.

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ESSM - LI0020 LIGHT KIT, NAVIGATION, PORTABLE



Portable Navigation Light Kit LI0020

The Portable Navigation Light Kit LI0020 contains lights, cables, and a connection box to provide Coast Guard-approved lights for display on a towed vessel. Each individual light is equipped with a red, green, or clear lens to provide the appropriate port, starboard, and stern running lights required for night display. Each navigation light contains a multi-socket, automated bulb changer to replace bulbs that burn out or otherwise fail during operation and is equipped with a photocell that activates the light in periods of darkness. The kit also includes a battery charger to maintain the gel cell batteries found in LI0025.

Specifications		
Type	Description	Qty
Manufacturer	Automatic Power, Inc.	
Model	FA-249	
The kit contains the following major items:		
Container, 39" x 25" x 22":		1
Battery charger, 12-volt		1
Bulb, lamp, 12-volt		4
Diagram, laminated, Nav light sys		1
Fuse, 25-amp		1
Junction box, with 10' of cable		1

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Specifications

Type	Description	Qty
Light assembly, Red lens with 80' of cable		1
Light assembly, Green lens with 80' of cable		1
Light assembly, Clear lens with 80' of cable		1
Inventory, laminated		1

Physical Characteristics

Type	Descriptions		
	Shipping		
Length	3 ft, 3 in		
Width	2 ft, 1 in		
Height	1 ft, 10 in		
Cube	13 cu ft		
Footprint	7 sq ft		
Weight	120 lb		

References

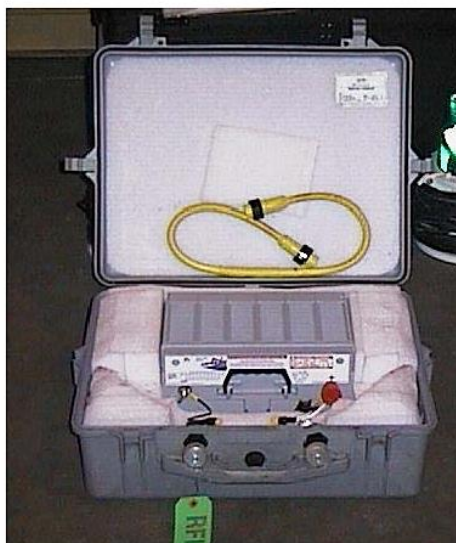
Ref No	Reference
1	Barge Light, Navigation AITS Operation Manual, Form No. 6310-0147, Automatic Power, Inc.

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ESSM - LI0025 BATTERY PACK, FOR NAVIGATION LIGHT SYSTEM



12-Volt Battery Pack for the Navigation Light System LI0025

The 12-Volt Battery Pack for the Navigation Light System (LI0025) is a sealed, gel electrolyte, rechargeable battery. The battery is packaged and prewired in a sealable hard shipping and storage container. Two battery packs are included in the Towing Navigation Light System TS0520. These are normally wired into the lighting system in parallel to provide a longer duration of effective lighting without recharging. The battery is recharged in its storage case by attaching the system's 12-volt battery charger using the 4" battery cable. The battery is sized to provide a minimum of 15 days continuous lighting of the three navigation lights.

Specifications		
Type	Description	Qty
Manufacturer	Automatic Power, Inc.	
Model/Part number	Prevailer PV31	
Voltage	12-volt	
Battery type	Sealed gel cell	

Physical Characteristics			
Type	Descriptions		
	Shipping		
Length	1 ft, 11 in		
Width	1 ft, 7 in		

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Physical Characteristics

Type	Descriptions		
Height	0 ft, 9 in		
Cube	3 cu ft		
Footprint	4 sq ft		
Weight	85 lb		

References

Ref No	Reference
1	Barge Light, Navigation AITS Operation Manual, Form No. 6310-0147, Automatic Power, Inc.