

WHELEN[®]

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Installation Guide Model 90044 - () Flashing Anti-Collision Light Assembly



OPERATING INSTRUCTIONS:

Operational Voltage: 28 VDC

Average Input Current: Master 3.2 Amps
 Master/Slave 6.5 Amps

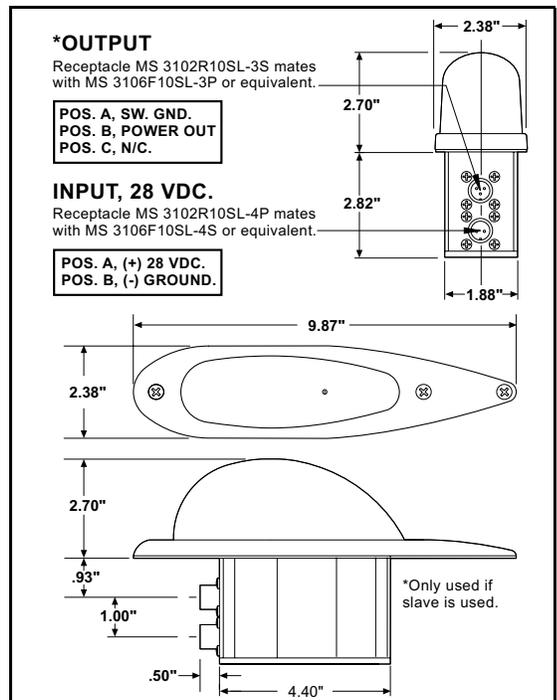
EQUIPMENT LIMITATIONS: An approved anti-collision system consists of two lights, one located on the top of the vertical fin, and one located on the underside of the fuselage.

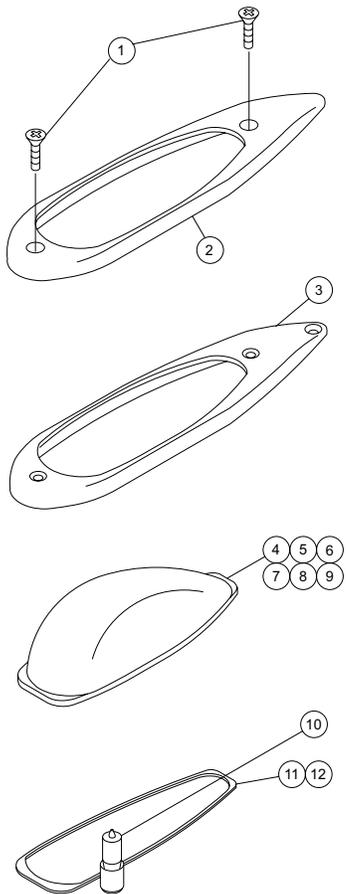
INSTALLATION PROCEDURES: The following information is to assist you in installing a Whelen flashing anti-collision light system.

1. Choose the appropriate Model 90044- () replacement light assembly which is most applicable to your aircraft.
 2. The installation procedure described in the following text will be confined to a single light installation, but is identical for multiple light installation if required.
 3. Remove old anti-collision light, locate and save existing +28 VDC lead and (-) ground leads. Clean and prep lead ends as required.
 4. Use existing mounting holes and hardware.
- NOTE:** If a special mounting adapter plate is required, contact: Whelen Aviation Division for requirements.
5. Connect the existing +28 VDC lead to the white/blue lead on the input cable assembly (supplied with light assembly). Then connect the existing ground lead to the white wire on the input cable assembly. If a shield wire exists on the aircraft, connect it to the shield wire assembly. If no shield wire exists on the aircraft, trim the shield wire on the cable assembly flush with the cable jacket. Both leads must be connected by an FAA approved connection.
 6. Make sure the existing system is equipped with an appropriate sized breaker.
 7. Install light assembly and insure that all leads are clear of any obstructions and ty-rap as required. Secure light

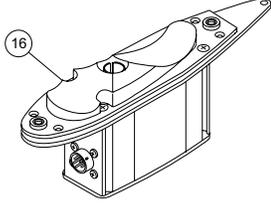
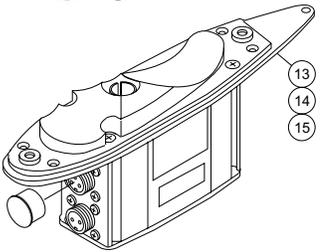
assembly, use lock washers and/or thread lock on all threaded fasteners.

8. Check all avionics systems for interference from this installation.
9. A flight check should be performed by a properly certified pilot.
10. When necessary, waterproof the flasher base assembly to aircraft. Apply single part silicone (RTV) or equivalent around any open area where water could get in.
11. Update aircraft records, complete Form 337 and obtain FAA field approval for installation.

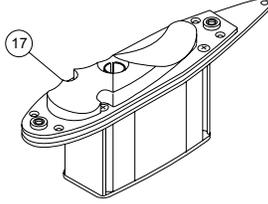




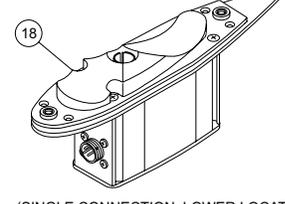
MODEL 90044 - () REPLACEMENT PARTS			
ITEM	DESCRIPTION	PART NUMBER	USED ON FINAL
1	#10-32 X 1/2" PHILLIPS FHMS	14-0050619-65	ALL
2	RETAINER / 2 HOLE	19-170560-002	-17 thru -20,-35,-41,-53
3	RETAINER / 3 HOLE	19-170560-001	-01 thru -04,-09,-10,-13,-15,-33,-34,-37,-39,-44,-54 thru -58
4	LENS / RED	68-4270569-52	-01,-09,-13,-17,-33,-35,-37,-55,-57
5	LENS / WHITE	68-4270569-32	-02,-10,-18,-34,-44,-58
6	LENS / RED WITH HOLE	68-4270569-53	-03,-15,-19,-39,-41
7	LENS / WHITE WITH HOLE	68-4270569-33	-09,-20,-44,-53
8	LENS / RED WITH 2 HOLES	68-4270569-57	-54,-56
9	LENS / MASKED ONLY	68-4250690-33	-53
10	LAMP / 28 VOLT / 150 WATT	34-0226010-91	ALL
11	GASKET / LENS	38-0270584-00	ALL UPPER MT.
12	GASKET / LENS / FUEL RESISTANT	38-0270584-01	ALL LOWER MT.
13	ELECTRONIC / 5 HOLE / ALTERNATE / 2.25 LBS.	02-0370601-00	-33,-34
14	ELECTRONIC / 5 HOLE / ALTERNATE	02-0370591-00	-01,-02,-03,-04,-38,-40
15	ELECTRONIC / 5 HOLE / SYNC	02-0370593-00	-09,-10
16	ELECTRONIC / 5 HOLE / ALTERNATE	02-0370634-00	-37,-39,-44
17	ELECTRONIC / 5 HOLE / BOTTOM MOUNT CONN.	02-0370766-00	-54
18	ELECTRONIC / 5 HOLE / SINGLE CONN.	02-0370767-00	-55,-56
19	GASKET / 5 HOLE	38-0270586-00	-1 thru -04,-09,-10,-13,-15,-16,-33,-34,-37,-39,-44,-54 thru -58
20	ELECTRONIC / 5 HOLE / SLAVE	02-0370594-00	-13,-15
21	ELECTRONIC / 5 HOLE / PIGTAIL	02-0370853-00	-57,-58
22	ELECTRONIC / 8 HOLE / ALTERNATE	02-0370595-00	-17,-18,-19,-20,-53
23	ELECTRONIC / 8 HOLE / ALTERNATE / 2.50 LBS.	02-0370610-00	-35
24	GASKET / 8 HOLE	38-0270585-00	-17,-18,-20,-33,-34,-53
25	GASKET / 8 HOLE	38-0270585-01	-19
26	INPUT CABLE	46-0750490-00	-33,-34,-41
27	INPUT CABLE	46-0770602-00	ALL MASTER UNITS EXCEPT -33-34-41
28	INPUT CABLE	64-0770857-00	-57,-58
29	MOUNTING PLATE / 16 HOLE GULFSTREAM II	06-170618-000	A.R.
30	ELECTRONIC / 9 HOLE / ALTERNATE	02-0370655-00	-41
31	GASKET / 9 HOLE	38-0270656-00	-41



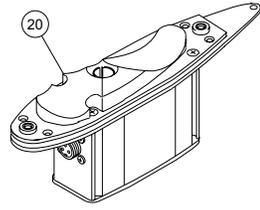
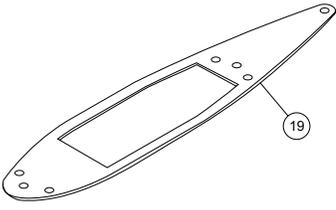
(-37 -39 & -44 5 HOLE MASTER)



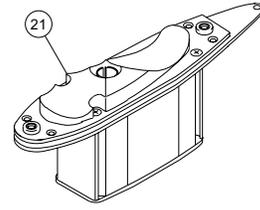
(BOTTOM MOUNTED CONNECTOR)



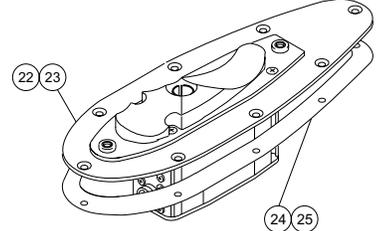
(SINGLE CONNECTION, LOWER LOCATION)



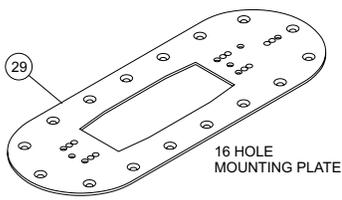
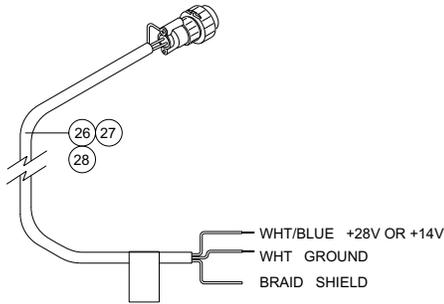
(5 HOLE SLAVE)



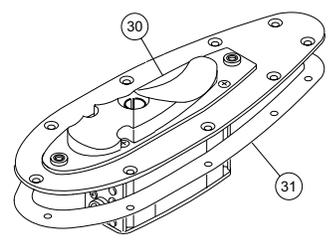
(PIGTAIL)



(8 HOLE MASTER)



16 HOLE MOUNTING PLATE



(9 HOLE MASTER)