

ROUTE 145, WINTHROP ROAD
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Installation: Mounting the Traffic Advisor

The Traffic Advisor (T/A) mounting feet can be adjusted so that no matter what the angle of the selected mounting surface, the Traffic Advisor can deliver optimum visibility. See page 2.

CAUTION: Do not connect the T/A System to power until the installation is completed. When servicing or trouble shooting always disconnect it from the power source.

1. Remove the two lower brackets of the mounting feet from the mounting kit and secure them to the upper brackets with the supplied hardware. (Pg. 2)
2. Slide the mounting feet to their desired position inside the groove, and secure them with the hardware supplied (Pg. 2).
3. Slightly loosen the hex nuts holding the upper and lower brackets together and place the T/A in the desired position on the proposed mounting surface. Adjust the lower brackets of the mounting feet to rest firmly on the mounting surface. Trace the outline of these brackets on that surface. If the T/A's power cable is to pass through the mounting surface, be sure to mark the area for this passage hole.
4. Remove the T/A from the mounting surface and separate the lower brackets of the mounting feet from the upper brackets. Align these brackets with the outlines traced in the previous step. Trace mounting hole locations onto mounting surface.

NOTE: Make sure that the lower bracket is facing in the same direction as it was facing, when it was outlined on the mounting surface as indicated in step 3.

5. Examine the back side of the mounting surface to insure that no damage will occur when drilling the mounting holes. Drill mounting holes with a 7/32" drill. If a wire passage hole has been marked, drill the hole using a drill bit sized for the cable and for an appropriately sized grommet (customer supplied).
6. Secure lower brackets to mounting surface. (Pg. 2)
7. Lower the T/A assembly onto the two lower brackets secured to the mounting surface. Secure both brackets together with the supplied hex head screw, internal tooth lock washer, split lock washer and hex nut, in the same order as indicated on page 2. Before tightening the upper and lower brackets together, adjust the T/A to an angle best suited to its mounting location.

NOTE: There are two holes that can be used when assembling lower and upper brackets together, to position the T/A assembly at two different heights (Pg. 3).

8. Slide the cable through the wire passage hole and route the cable to the control head mounting location. Refer to diagram on page 2, and TACTRL1A manual for wiring.

Servicing the Traffic Advisor Assembly:

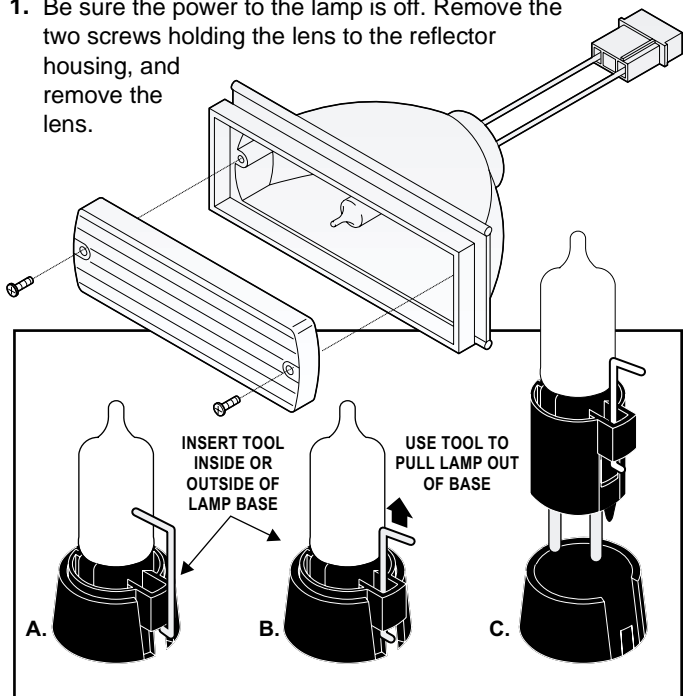
The Traffic Advisor can be field serviced without difficulty. If you need to replace the reflector, remove the end cap, disconnect the reflector from the internal wire harness and slide the reflector out of the extrusion. Use the same procedure in reverse order for reassembly. (Pg. 2)

Lamp Replacement: Halogen

WARNING: Replacing any bulb requires the use of safety glasses to prevent injury. To avoid injury, do not attempt to replace the lamp with your fingers. Use a lamp replacement tool or other suitable tool.

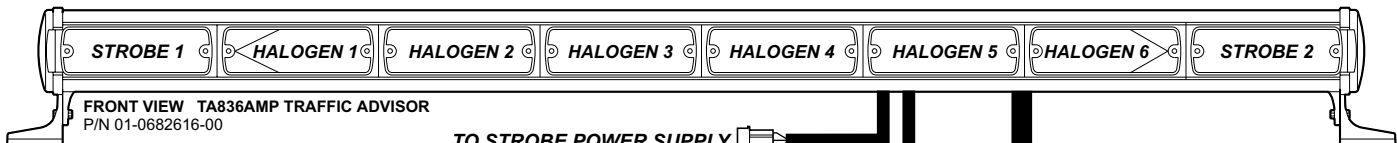
To Replace a Snap-In Bulb:

1. Be sure the power to the lamp is off. Remove the two screws holding the lens to the reflector housing, and remove the lens.



2. Locate the removal tool included with your new bulb. Use the small end of the tool on either the outside (A) or inside (B) of the base to lift the base of the bulb assembly away from the socket as shown. Continue to lift until bulb is free.
3. Insert the alignment tab of the new bulb into the bulb holder and press downwards to lock the new bulb into place.

NOTE: Strobe tubes are not replaceable. If a strobe tube burns out, you must replace the entire assembly.



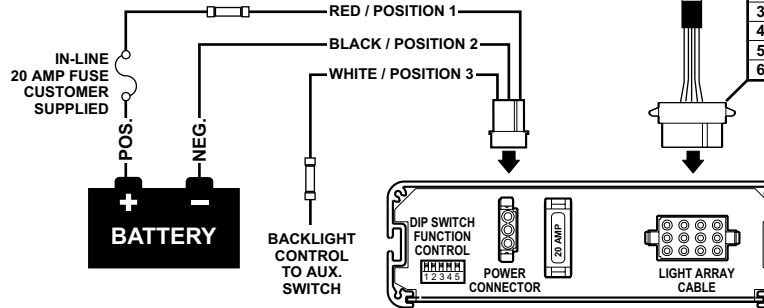
FRONT VIEW TA836AMP TRAFFIC ADVISOR
P/N 01-0682616-00

TO STROBE POWER SUPPLY
TO STROBE POWER SUPPLY

12 POSITION CONNECTOR			
PIN	COLOR	PIN	COLOR
1	BROWN	7	VIOLET
2	RED	8	GREY
3	ORANGE	9	WHITE
4	YELLOW	10	N/C
5	GREEN	11	N/C
6	BLUE	12	WHT/BLU

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 the load.

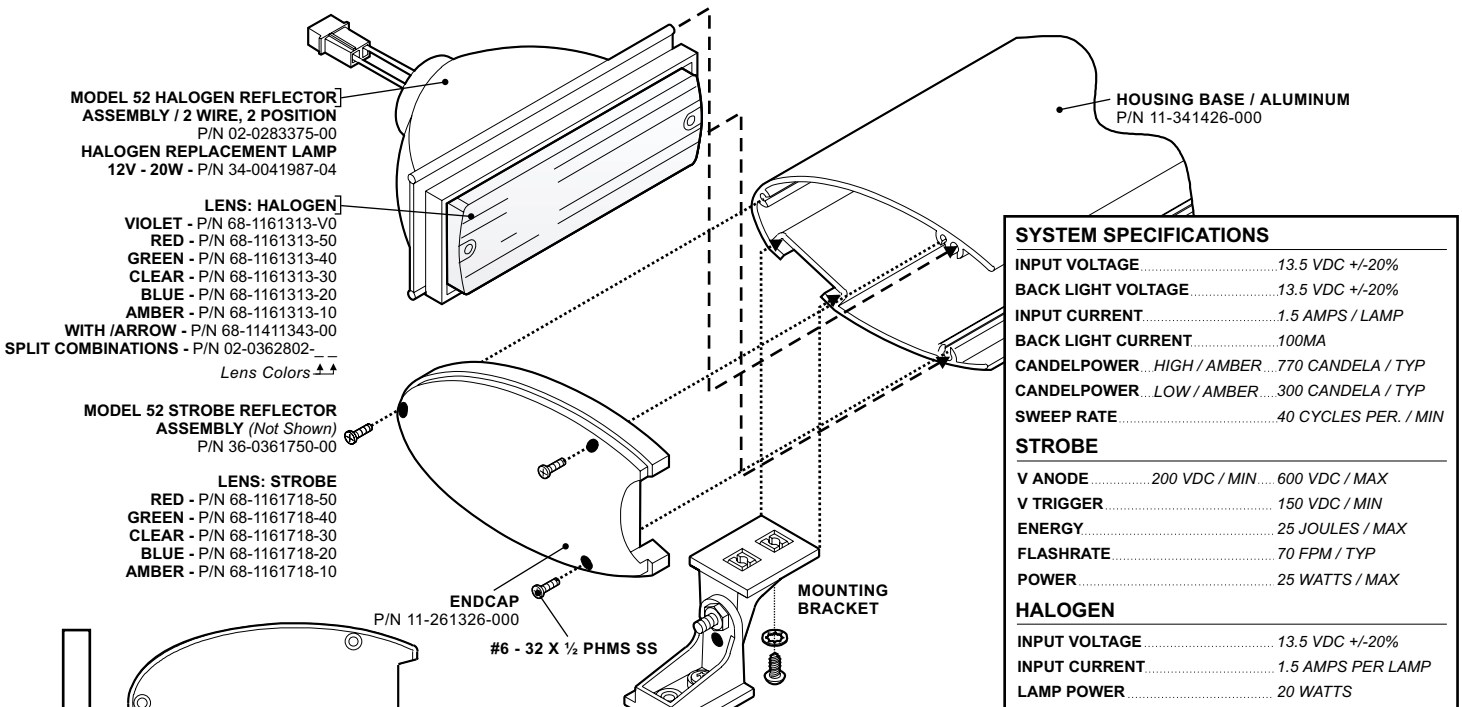
NOTE: The outer surfaces of this product (T/A) may be cleaned with mild soap and water. Use of any other chemicals may void product warranty. Do not use a pressure washer.



REAR VIEW

TACTRL1A CONTROL HEAD
P/N 01-0682340-00

For more information on installation and operation of the TACTRL1A, refer to the TACTRL1A manual included with this system.



MODEL 52 HALOGEN REFLECTOR ASSEMBLY / 2 WIRE, 2 POSITION
P/N 02-0283375-00
HALOGEN REPLACEMENT LAMP
12V - 20W - P/N 34-0041987-04

LENS: HALOGEN

- VIOLET - P/N 68-1161313-V0
- RED - P/N 68-1161313-50
- GREEN - P/N 68-1161313-40
- CLEAR - P/N 68-1161313-30
- BLUE - P/N 68-1161313-20
- AMBER - P/N 68-1161313-10

WITH /ARROW - P/N 68-11411343-00
SPLIT COMBINATIONS - P/N 02-0362802-__
Lens Colors ↕↔

MODEL 52 STROBE REFLECTOR ASSEMBLY (Not Shown)
P/N 36-0361750-00

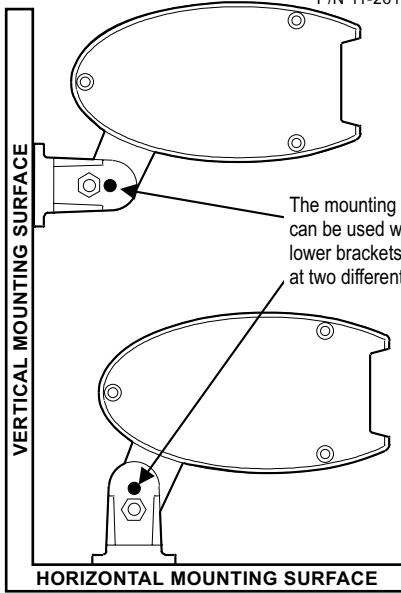
LENS: STROBE

- RED - P/N 68-1161718-50
- GREEN - P/N 68-1161718-40
- CLEAR - P/N 68-1161718-30
- BLUE - P/N 68-1161718-20
- AMBER - P/N 68-1161718-10

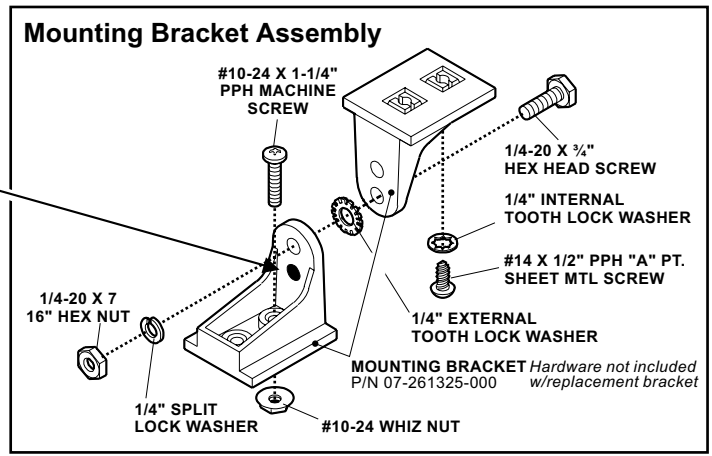
HOUSING BASE / ALUMINUM
P/N 11-341426-000

SYSTEM SPECIFICATIONS

INPUT VOLTAGE	13.5 VDC +/-20%
BACK LIGHT VOLTAGE	13.5 VDC +/-20%
INPUT CURRENT	1.5 AMPS / LAMP
BACK LIGHT CURRENT	100MA
CANDELPPOWER . HIGH / AMBER	770 CANDELA / TYP
CANDELPPOWER . LOW / AMBER	300 CANDELA / TYP
SWEEP RATE	40 CYCLES PER. / MIN
STROBE	
V ANODE	200 VDC / MIN 600 VDC / MAX
V TRIGGER	150 VDC / MIN
ENERGY	25 JOULES / MAX
FLASHRATE	70 FPM / TYP
POWER	25 WATTS / MAX
HALOGEN	
INPUT VOLTAGE	13.5 VDC +/-20%
INPUT CURRENT	1.5 AMPS PER LAMP
LAMP POWER	20 WATTS



The mounting brackets have two holes that can be used while attaching the upper and lower brackets together, to position the T/A at two different heights.



Mounting Bracket Assembly

- #10-24 X 1-1/4" PPH MACHINE SCREW
- 1/4-20 X 3/4" HEX HEAD SCREW
- 1/4" INTERNAL TOOTH LOCK WASHER
- #14 X 1/2" PPH "A" PT. SHEET MTL SCREW
- 1/4" EXTERNAL TOOTH LOCK WASHER
- MOUNTING BRACKET Hardware not included P/N 07-261325-000 w/replacement bracket
- 1/4-20 X 7 16" HEX NUT
- 1/4" SPLIT LOCK WASHER
- #10-24 WHIZ NUT