













LED Traffic Assist™III (12/24VDC)
 Installation and operating instructions for:
TA36L-A, TA36L-A1, TA18LS-A & TA18LS-A1

1. The package should contain the following:
 - a. LED Traffic Assist light bar with 25 feet of cable and 12 pin connector taped to end of cable;
 - b. Control Head with 8 inches of cable;
 - c. 2 - “L” brackets for optional mounting or 4 “L” brackets for TA18LS versions;
 - d. Instruction sheet.
2. Attach the LED Traffic Assist Control Head to the dash using the bolts provided. Connect the red/black duplex wire to power (fused for a minimum of 5 Amps) and to a ground.
3. Install the LED Traffic Assist bar horizontally, with the curved side up (product label facing up and cable exiting the passenger side of the vehicle when installed in the rear of the vehicle), in one of the following two ways:
 - a. Attach to any vertical surface using the 5/16-18 x ¾ inch long stainless steel hex bolts coming out the rear of the bar; or
 - b. Mount the two “L” brackets on a horizontal surface, and attach the Traffic Assist bar to the “L” brackets.
4. NOTE: For TA18LS versions, 10’ of interconnect cable connects the two 4-segment heads, each half is clearly marked as “LEFT” & “RIGHT” sides. When positioned correctly the power cable runs up the passenger side of the vehicle for rear mount. Unit comes pre-assembled unless otherwise noted.
5. Run the 12 conductor cable from the LED Traffic Assist™ to the control head. Be sure to leave the connector off until cable is completely installed in the vehicle.
6. Plug the individual wire pins into the 12 pin connector taped to the end of the cable according to the color coded diagram shown below and also the diagram shown on the back of the LED Traffic Assist Control Head.

#	COLOR		#	COLOR		#	COLOR		#	COLOR	
4	PINK		3	RED		2	BROWN		1	BLACK	
8	TAN		7	WHITE		6	GREEN		5	VIOLET	
12	YELLOW		11	ORANGE		10	GRAY		9	BLUE	

7. Assemble the two connectors together and verify everything is working properly.

OPERATING INSTRUCTIONS

(Use the following diagram for mode operation)

Various functions for either the 7 or 8 segment system.

BUTTON NAME	PRESS ONCE	PRESS TWICE	PRESS THREE TIMES
OFF	Turns system off	N/A	N/A
LEFT ARROW	Lights sequence from right to left until all are on and turn off in the same sequence	Lights sequence from right to left until all are on and then turn off all at once	Lights sequence from right to left until all are on, then the last flashes three times, then all turn off at once
CENTER ARROW	Lights sequence from center out until all are on and the turn off in the same sequence	All lights are continuously flashing with the last flash on a delay	Three lights rapidly move from left to right, generating attention gathering pattern
RIGHT ARROW	Lights sequence from left to right until all are on and turn off in the same sequence	Lights sequence from left to right until all are on and then turn off all at once	Lights sequence from left to right until all are on, then the last flashes three times, then all turn off at once
FAST / SLOW	Fast	Slow	Fast

LIMITED WARRANTY

North American Signal Company warrants that the LED Traffic Assist™III will be free of defects in material and workmanship for a period of 5 years from date of manufacture, under normal use and service. This warranty does not cover ordinary wear and tear, abuse, misuse, overloading, altered products, or damage caused by the purchaser connecting the unit to the wrong voltage or polarity. All products in need of repair must be returned to our factory freight prepaid. North American Signal Company reserves the right to determine in its sole discretion, whether to repair or replace a unit found to be defective under this LIMITED WARRANTY, and will then return the unit freight prepaid. **THERE IS NO WARRANTY OF MERCHANTABILITY. THERE ARE NO WARRANTIES WHICH EXTEND THE DESCRIPTION HEREIN. THERE ARE NO WARRANTIES EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE, EXCEPT AS SET FORTH HEREIN.**

In returning product, first try to determine if the controller and / or the Traffic Assist bar is not functioning. If only the bar is having problems, remove the end of the bar where the cable enters the unit and unplug the 12 pin connectors. Then detach the bar from its mounting and return this unit to the factory. If the controller is also not functioning, then detach the controller and bar and send them both to the factory.