

INSTALLATION AND CONFIGURATION MANUAL

ABRAMS FLEX12 GRILLE LIGHT

MODEL# FG-1200

WARNING:

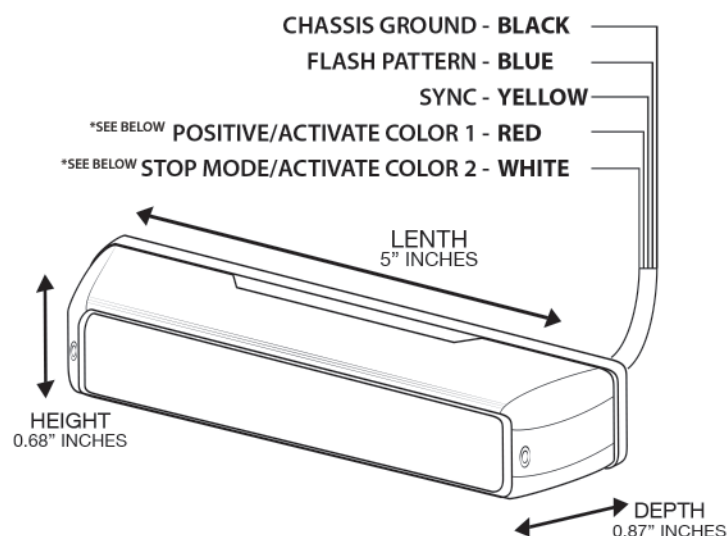
FAILURE TO INSTALL OR USE THIS PRODUCT ACCORDING TO MANUFACTURER'S RECOMMENDATIONS MAY RESULT IN PROPERTY DAMAGE, SERIOUS INJURY, AND/OR DEATH.

IMPORTANT:

PLEASE READ ALL OF THE FOLLOWING INSTRUCTIONS BEFORE INSTALLING YOUR NEW ABRAMS FLEX12 GRILLE LIGHT.

- PROPER INSTALLATION OF THIS PRODUCT REQUIRES THE INSTALLER TO HAVE A GOOD UNDERSTANDING OF AUTOMOTIVE ELECTRONICS, SYSTEMS AND PROCEDURES.
- THIS PRODUCT CONTAINS HIGH-INTENSITY LEDS. DO NOT STARE DIRECTLY INTO THESE LIGHTS. MOMENTARY BLINDNESS AND/OR EYE DAMAGE COULD RESULT.
- DO NOT INSTALL THIS PRODUCT OR ROUTE ANY WIRES IN THE DEPLOYMENT AREA OF YOUR AIR BAG. EQUIPMENT MOUNTED OR LOCATED IN THE AIR BAG DEPLOYMENT AREA WILL DAMAGE OR REDUCE THE EFFECTIVENESS OF THE AIR BAG, OR BECOME A PROJECTILE THAT COULD CAUSE SERIOUS PERSONAL INJURY OR DEATH. REFER TO YOUR VEHICLE OWNER MANUAL FOR THE AIR BAG DEPLOYMENT AREA. THE USER/INSTALLER ASSUMES FULL RESPONSIBILITY TO DETERMINE PROPER MOUNTING LOCATION, BASED ON PROVIDING ULTIMATE SAFETY TO ALL PASSENGERS INSIDE THE VEHICLE.
- IF MOUNTING THIS PRODUCT REQUIRES DRILLING HOLES, THE INSTALLER MUST BE SURE THAT NO VEHICLE COMPONENTS OR OTHER VITAL PARTS COULD BE DAMAGED BY THE DRILLING PROCESS. CHECK BOTH SIDES OF THE MOUNTING SURFACE BEFORE DRILLING BEGINS. ALSO DE-BURR ANY HOLES AND REMOVE ANY METAL SHARDS OR REMNANTS. INSTALL GROMMETS INTO ALL WIRE PASSAGE HOLES.

- INSPECT AND OPERATE THIS PRODUCT REGULARLY TO CONFIRM ITS PROPER OPERATION AND MOUNTING CONDITION. DO NOT USE A PRESSURE WASHER TO CLEAN THIS PRODUCT.
- FOR THIS PRODUCT TO OPERATE AT OPTIMUM EFFICIENCY, A GOOD ELECTRICAL CONNECTION TO CHASSIS GROUND MUST BE MADE. THE RECOMMENDED PROCEDURE REQUIRES THE PRODUCT GROUND WIRE TO BE CONNECTED DIRECTLY TO THE NEGATIVE (-) BATTERY POST.
- IT IS RECOMMENDED THAT THESE INSTRUCTIONS BE STORED IN A SAFE PLACE AND REFERRED TO WHEN PERFORMING MAINTENANCE AND/OR REINSTALLATION OF THIS PRODUCT.
- FAILURE TO FOLLOW THESE SAFETY PRECAUTIONS AND INSTRUCTIONS COULD RESULT IN DAMAGE TO THE PRODUCT OR VEHICLE AND/OR SERIOUS INJURY TO YOU AND YOUR PASSENGERS!
- IF THIS PRODUCT USES A REMOTE DEVICE TO ACTIVATE OR CONTROL THIS PRODUCT, MAKE SURE THAT THIS CONTROL IS LOCATED IN AN AREA THAT ALLOWS BOTH THE VEHICLE AND THE CONTROL TO BE OPERATED SAFELY IN ANY DRIVING CONDITION.
- DO NOT ATTEMPT TO ACTIVATE OR CONTROL THIS DEVICE IN A HAZARDOUS DRIVING SITUATION



OPERATION FOR SINGLE COLOR LIGHTHEAD FUNCTION

BLACK	NEGATIVE/GROUND
BLUE	PATTERN SWITCH
YELLOW	SYNCHRONIZED FUNCTION
RED	POSITIVE (NEED TO ADD 2A FUSE)
WHITE	STOP/TURN/BRAKE (STEADY BURN OPTION)

OPERATION FOR DUAL COLOR LIGHTHEAD FUNCTION

BLACK	NEGATIVE/GROUND
BLUE	PATTERN SWITCH
YELLOW	SYNCHRONIZED FUNCTION
RED	POSITIVE/COLOR 1 (NEED TO ADD 2A FUSE)
WHITE	POSITIVE/COLOR 2
*RED+WHITE	ACTIVATES DUAL COLOR FUNCTION

1. Changing Patterns: Patterns can be changed by momentarily connecting the blue wire to the ground of your vehicle's battery.

Less than 1 Second	Next Pattern
1-3 Seconds	Previous Pattern
3-5 Seconds	Factory Default
5+ Seconds	Turn off and Reset

2. Syncing Instructions: Configure both intensity light heads to the same pattern in Phase 1 and connect the yellow wires from each light head together.

3. Alternating Light Heads: Set every other light to the same pattern in Phase 2 and connect the blue wires. To better understand how this feature works, each lighthouse coming from the factory will display Phase 1. In order to have one Intensity light head alternate with another, every other light needs to be advanced to the current pattern's Phase 2.

**For single color light head, apply white wire to power, (+12VDC) to activate steady burn feature.*

PACKAGE CONTENTS:

- FLEX12 GRILLE LIGHT
- MOUNTING GASKET
- SCREWS
- PRODUCT MANUAL

ABRAMS FLEX12 GRILLE LIGHT SPECIFICATIONS

INPUT VOLTAGE	10-30VDC
WORK CURRENT	12V - 2.0A (MAX) 24V - 1.2A (MAX)
WATERPROOF	IP67

Recommend Operation Environment

Ambient Temperature: -30 to 50

Relative Humidity: 10 to 85% , non-condensing

