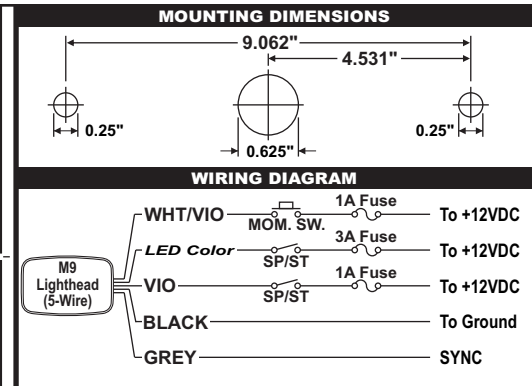
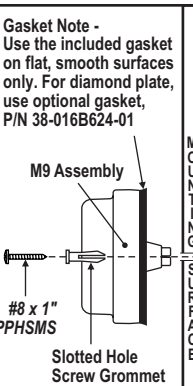


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Safety First: This document provides all the necessary information to allow your Whelen product to be properly and safely installed. Before beginning the installation and/or operation of your new product, the installation technician and operator must read this manual completely. Important information is contained herein that could prevent serious injury or damage.

- Proper installation of this product requires the installer to have a good understanding of automotive electronics, systems and procedures.
Whelen Engineering requires the use of waterproof butt splices and/or connectors if that connector could be exposed to moisture.
Failure to use specified installation parts and/or hardware will void the product warranty!
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.
Do not install this product or route any wires in the deployment area of your air bag.
For this product to operate at optimum efficiency, a good electrical connection to chassis ground must be made.

- Using the dimensions below, mark the mounting and wire hole locations onto the proposed mounting surface.
Place the appropriate gasket into position on the rear of the M9 assembly.
With the assembly in position and using the hardware provided, tighten the mounting screws until the lighthead assembly is drawn firmly against the mounting surface.
Using appropriately sized wires (minimum 18 AWG), extend the M9 wires to their designated connections.



Flash Mode / LED Color: Wire will be the color of the LED in the light.
Apply +VBAT to the LED Color wire to activate the lighthead in "flash mode". With flash mode activated, you may change the flash pattern using Scan-Lock™.

VIOLET - Low Power Mode: Applying +VBAT to the VIO wire while Flash Mode is active sets the lighthead to Low Power Mode. Low Power Mode flash pattern can be set to a different flash pattern than Flash Mode using Scan Lock.
Scan-Lock™+ by Whelen can be used for easier pattern selection.

WHITE/VIO - Scan-Lock™ Pattern Selection: This feature allows the user to select from several available flash patterns. Lighthead must be switched on for Scan-Lock to work.

TO CYCLE THROUGH ALL PATTERNS: Apply +VBAT to the WHT/VIO wire for less than 1 second and release. To cycle backward, apply +VBAT to the WHT/VIO wire for over 1 second and release.

TO SET A PATTERN AS DEFAULT: Allow the pattern to run for more than 5 seconds. The lighthead will now display this pattern when active.

TO RESET TO THE FACTORY DEFAULT PATTERN: Turn off power. While applying +VBAT to the WHT/VIO wire, turn power on. The lighthead will reset to its default pattern.

Steady-Lock™ - When connected to a Core™ control system, a lighthead doesn't require manually scanlocking to the steady pattern. All populated outputs can be sent a Steady-Lock™ signal from Whelen Command®, automatically setting their pattern to Steady. A minimum Whelen Command® version of 2.2.9 is required for this Steady-Lock™ feature.

GREY - SYNC: TO SYNC 2 lightheads, configure both lightheads to display the same Phase 1 (Simultaneous) pattern. Turn power off and connect the GREY wire from each lighthead together.

M9 Sequencing & Phasing: The M9 lighthead has 8 sets of 3 LEDs. These sets cycle through the 5 sequences shown below.

Table with 3 columns: Sequences, Operation of LED sets, and a diagram showing 8 LED sets (1-8) arranged in a 2x4 grid.

Large table listing various light patterns (e.g., SignalAlert 75 All On, DoubleFlash 75 All On) and their corresponding SYNC PH, Low Power, and High Power settings.

Table with 4 columns: Low Power, SYNC PH, High Power, and SYNC PH. Lists various light patterns and their corresponding settings.