

UNDER MIRROR[®]

PUCK LIGHT



UM*-5019

INSTRUCTION MANUAL



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Safety Regulations

The following provides all the information necessary to safely operate the previously listed products of Feniex Industries, Inc. Please read this manual thoroughly before installing or operating your new product in order to prevent any damage or injury. Failure to follow the listed instructions in this manual may result in damage to your products or personal injury.

- Proper installation of this product requires good knowledge of automotive systems, electronics and procedures.
- Please guarantee all vital components of the vehicle are not in danger of being damaged by drilling holes necessary for installation. Check all sides of the mounting surface before drilling any holes into the vehicle.
- Do not install this product in any way that interferes with the deployment of the air bag. Doing so may damage the effectiveness of the air bag and can lead to serious personal and vehicle injury. The installer will assume full responsibility of proper installation of the new unit.
- Please clean the mounting surface before installation of the unit when using tape, brackets, magnet, Velcro or suction cups.
- The product's ground wire must be connected directly to the Negative (-) battery post for effective use of the unit. Please follow all wiring guidelines provided to guarantee long lifespan and productivity. Failing to follow these instructions may result in damage to the product.

Warranty

Feniex Industries, Inc. warrants to the original purchaser that the product shall be free from defects in material & workmanship for 5 years from the date of purchase for all LED products. Feniex Industries warranties speakers, sirens, flashers, & controllers for 2 years.

If a warranty problem occurs, please contact customer support at 1.800.615.8350 or visit the web site at www.Feniex.com. If the product needs to be returned for repair or replacement, call our customer support line to receive a return merchandise authorization number.

Operational times are from 10 a.m. to 5 p.m. central time, Monday through Friday. Please do not send in product without contacting support first for a RMA number.

Service After Expiration

Feniex Industries will still provide service for all products after expiration of the warranty. For any issues, call the customer support line. In some instances it may be necessary for the product to be shipped, freight prepaid and insured for loss or damage to Feniex headquarters.

Warning! Utilizing non-factory screws and mounting brackets may result in loss of warranty coverage.

Copyright

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SPECIFICATIONS & DIMENSIONS

SPECIFICATIONS

Input Voltage:	9-15V DC
Current Draw:	0.8A
Fuse:	125% of Circuit Draw



WIRING DIAGRAM & WIRING INSTRUCTIONS

1. To power the unit, extend the black wire to the ground post of the vehicle's battery. Extend the red wire to a 12v(+) post.

Important! Connect the black wire to ground before connecting the red wire.

SETTING MASTER/SLAVE

1. Apply 12v(+) power and 12v(-) ground to the unit.
2. For the light heads to alternate, one light head must be set as master and the other set as slave. To do so, hold the blue (flash pattern changer) wire to ground for 3 seconds. If all LEDs turn on, this indicates master mode. If no LEDs activate, this indicates slave mode.

Important! Each time the master/slave mode is set, the pattern will reset to the default setting.

WIRING DIAGRAM

COLOR	FUNCTION
Red	12v+, Mode 1
Yellow	12v+, Mode 2, Overrides Mode 1
White	12v+, Mode 3, Overrides Mode 1 & 2
Blue	12v-, Flash Pattern
Black	12v-, Ground
Green	12v+, Color Changer, does not apply to single color



PATTERNS & SYNCHRONIZATION

1. Momentarily tap the blue wire to a ground 12v(-) source to cycle through the flash patterns

2. Synchronization: To synchronize two or more Under Mirror Pucks (or compatible products) together:

A. Choose the desired flash pattern for each unit.

B. Connect the blue wires of the light heads together.

FLASH PATTERN

FLASHES PER MINUTE

Single	75 FPM
Single Fast	120 FPM
Single Combo	75 FPM/120 FPM
Double Slow	75 FPM
Double Fast	120 FPM
Double Combo	75 FPM/120 FPM
Triple Slow	75 FPM
Triple Fast	120 FPM
Triple Combo	75 FPM/120 FPM
Attack-1	
Attack-2	
Brake Pop (First pop is longer on one)	
Steady On	
Steady On Dim	
Puddle Light	

COLOR SELECTIONS

Color 1
Color 2
Color 1 + Color 2
Color 1 + Color 2 + Color 3
Color 3
Color 2 + Color 3
Color 1 + Color 3

CHANGING FLASH PATTERNS

1. Momentarily tap the blue wire to a ground 12v(-) source to cycle through the flash patterns.

CHANGING COLORS

Important! Changing colors does not apply to single color units.

1. Momentarily tap the green wire to a positive 12v(+) source to cycle through the colors.

VEHICLE SPECIFIC BRACKETS

VEHICLE

MOUNTING KIT:

Chevy Silverado/Sierra 2014-2018	UM-1019 + 5° Wedge
Dodge Charger 2011+	UM-1019
Dodge Ram 1500 2009-2018	UM-1019 + 5° Wedge
Ford Explorer 2013-2019	UM-2019
Ford F-150 2015+	UM-3019 + 5° Wedge
Chevy Caprice 2011+	UM-3019
Ford Taurus 2013+	UM-4019
Chevy Tahoe/Suburban/Yukon 2015+	10° Wedge
Ford Explorer 2020	5° Wedge
Chevy Silverado 2019+	10° Wedge
GMC Sierra 2019+	10° Wedge
Dodge Ram 1500 2019+	0° Wedge + 5° Wedge
Dodge Durango 2015+	UM-6019

DRIVER VS PASSENGER

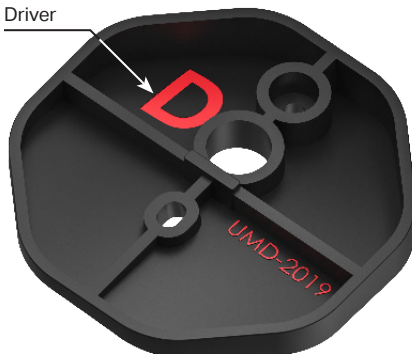
To determine if the mount or wedge is for the passenger or driver side, check the underside of the mount.

Passenger



If the letter "D" (shown below) is visible, then it is for the driver side. If there is no "D", then it is a passenger model..

Driver



VEHICLE

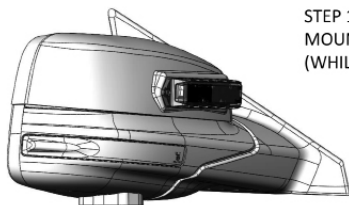
SIDE

UMD	Driver
UMP	Passenger

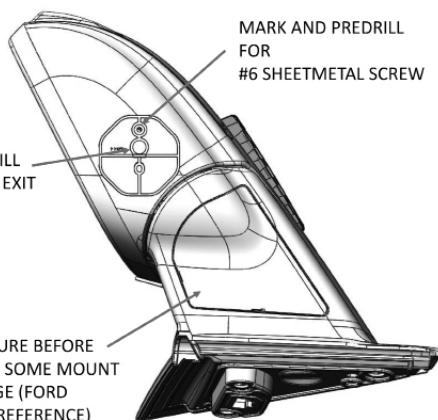
Either a "UMP" or "UMD" can also be found underneath the mount, which can be used to determine the side for the mounting kit.

MOUNTING INSTRUCTIONS

Important! Driver/Passenger applies only to vehicle-specific mounting kits.



STEP 1: ALIGN, MARK, AND PREDRILL
MOUNTING AND WIRE EXIT HOLE
(WHILE MIRROR IS ATTACHED TO VEHICLE)



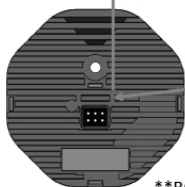
MARK AND PREDRILL
FOR
#6 SHEETMETAL SCREW

MARK AND DRILL
3/8" DIA WIRE EXIT
HOLE

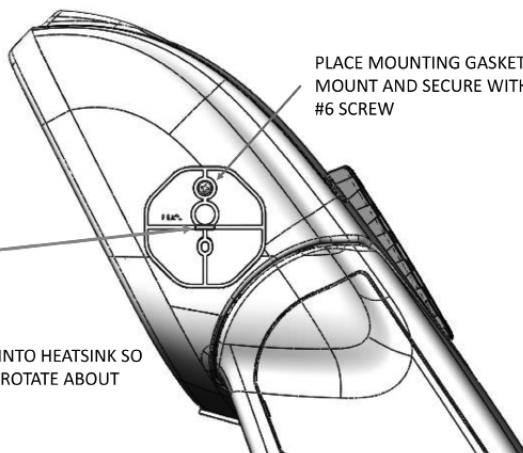
****VEHICLE SPECIFIC MOUNT DESIGN SHOULD ALLOW FOR
MOUNTING PARALLEL TO GROUND AND FACING
PERPENDICULAR FROM VEHICLE.**

SOME MOUNTS SECURE BEFORE
MIRROR HINGE AND SOME MOUNT
AFTER MIRROR HINGE (FORD
EXPLORER USED AS REFERENCE)

STEP 2: SECURE MOUNT WITH HARDWARE
(REMOVE MIRROR FROM VEHICLE FOR ALL MOUNTING STEPS)



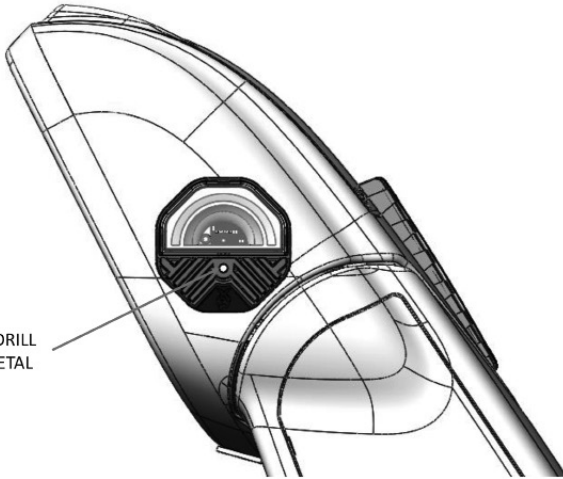
****BOSS FITS INTO HEATSINK SO
LIGHT CAN'T ROTATE ABOUT
ITSELF**



PLACE MOUNTING GASKET UNDER
MOUNT AND SECURE WITH SUPPLIED
#6 SCREW

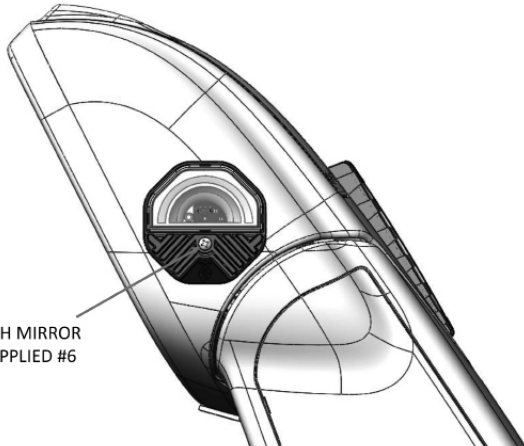
**STEP 3: MARK AND PREDRILL
FOR LAST MOUNTING SCREW**

MARK AND PREDRILL
FOR #6 SHEETMETAL
SCREW

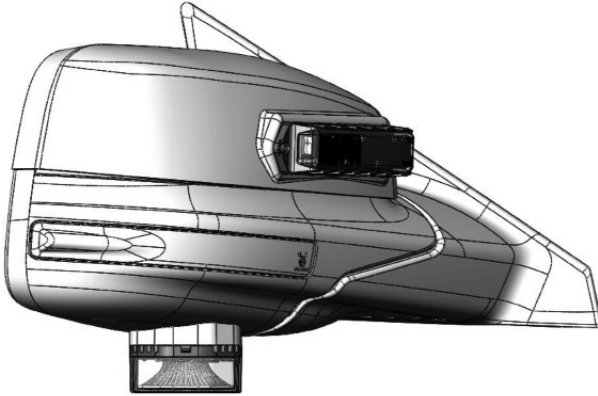


**STEP 4: ROUTE WIRE HARNESS AND MOUNT LIGHT TO MIRROR
(TEST LIGHTHEAD AND SET FLASH PATTERN BEFORE INSTALLATION)**

ROUTE WIRES THROUGH MIRROR
THEN SECURE WITH SUPPLIED #6
SCREW

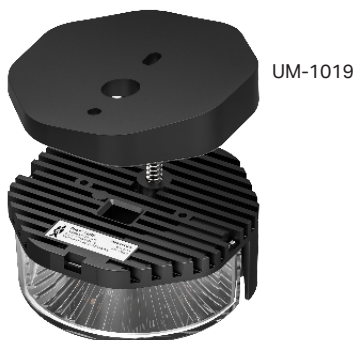


STEP 5: ROUTE WIRES THROUGH DOOR THEN
CONNECT LIGHT TO POWER AND SECURE MIRROR
BACK TO VEHICLE



VEHICLE SPECIFIC MOUNTING KITS

Dodge Charger 2011+



**Chevy Silverado/Sierra 2014-2018
Dodge Ram 1500 2009-2018**



Chevy Caprice 2011+



Ford F-150 2015+



Ford Explorer 2013-2019



Chevy Tahoe/Suburban/Yukon 2015-2020
Chevy Silverado 2019+
GMC Sierra 2019+



Ford Taurus 2013+



Ford Explorer 2020



Dodge Durango 2015+



Dodge Ram 1500 2019+

