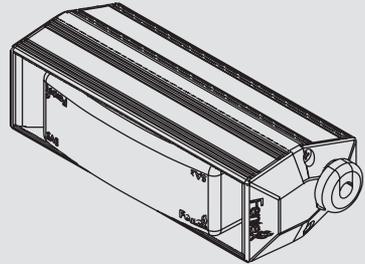
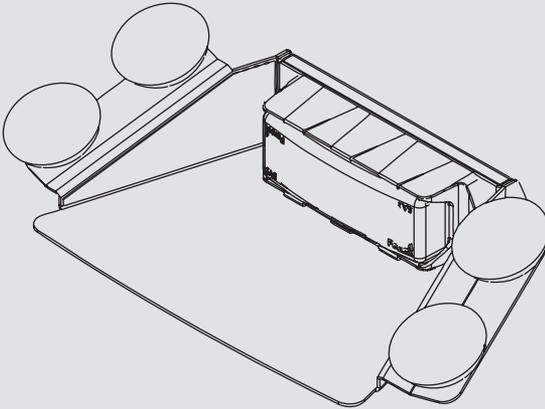


# Apollo Series- Instruction Manual

V.3



## APOLLO

**Model # - F-12013, F-22013,  
D-50115, D-50215, D-50415,  
D-50615, D-50815, D-51015**

This instruction manual serves as a guide for the **Apollo Series**.

**IMPORTANT!** Please read through all provided instructions and any listed warnings in regards to product use.



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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 and workmanship for sixty (60) months from the date of purchase for all LED products. Feniex Industries warranties speakers, sirens and controllers for 24 months; switches and flashers for 12 months.

If a warranty problem occurs, please contact customer support at 1.800.615.8350 or visit the web site at [www.Feniex.com](http://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.

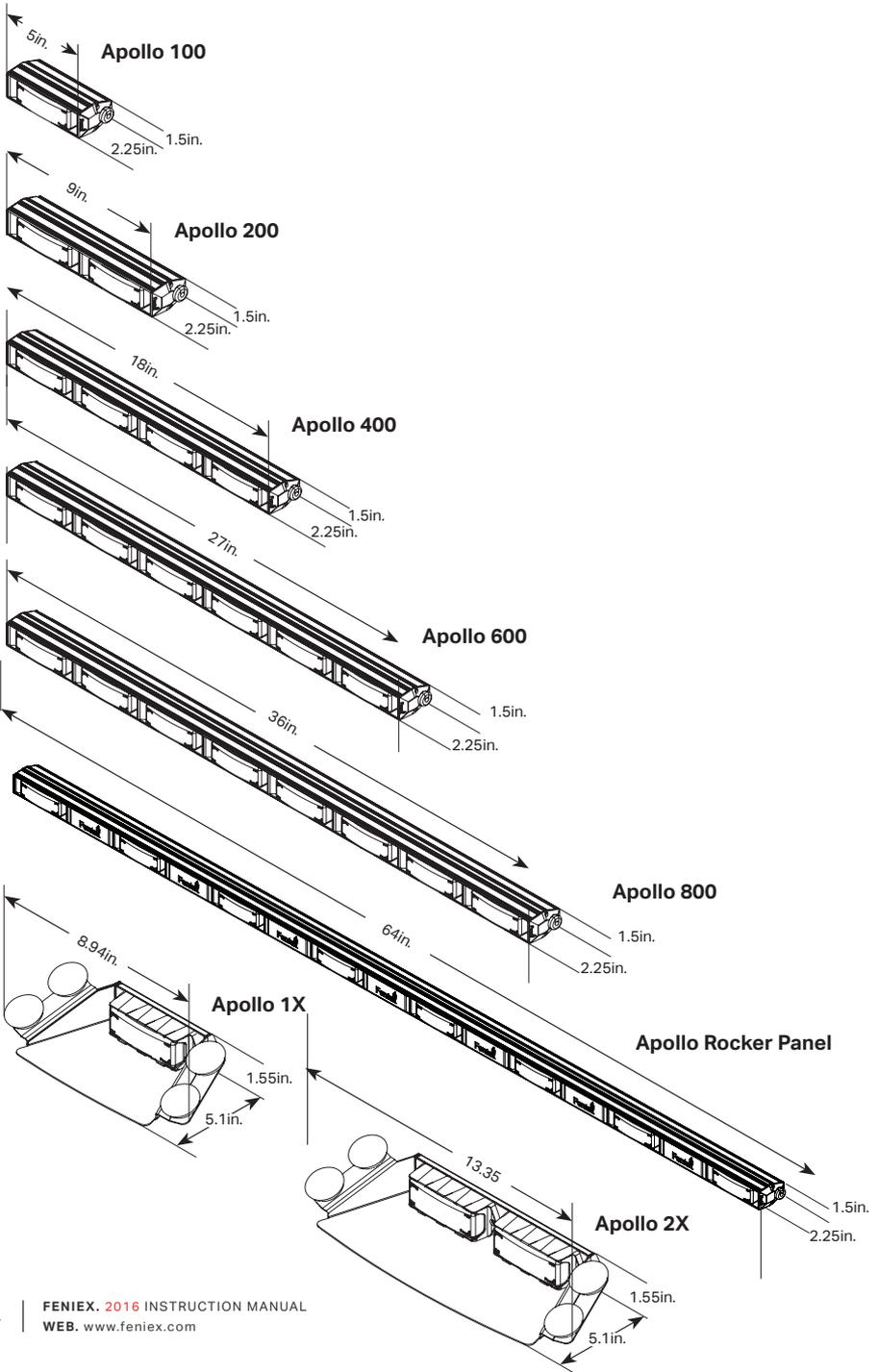
**Warning!** Utilizing non-factory screws and mounting brackets may result in loss of warranty coverage.

## Copyright

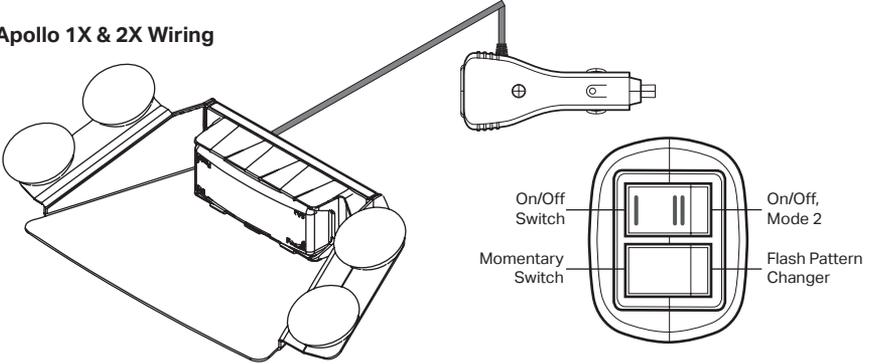
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**Apollo 1X & 2X Wiring**



To operate the cigarette plug option, plug in the provided lighter plug into the vehicle's cigarette lighter plug outlet. Turn the unit on with the On/Off switch and change patterns with the momentary flash pattern changer on the plug.

To operate the hard wire option, connect the black, 12V(-) wire to ground and the red, 12V(+) wire to an activated switch. To change patterns, tap the green flash pattern changer wire to the 12V(-) ground wire. To activate mode 2, connect the white wire to an activated 12V(+) switch.

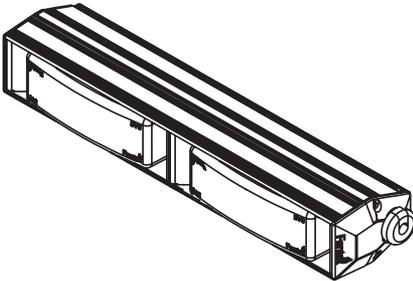
**Apollo 1X & 2X Hardwire Option**

Wire Color: Function:

	Black	Negative 12V (-) Ground
	Red	Positive 12V (+) Power, Mode 1
	Green	Flash Pattern Changer
	White	Positive 12V (+), Mode 2

**Please Note!** The Apollo 1X and 2X models allow for a cigarette plug or hardwire option. The cigarette plug features two on/off switches and a flash pattern changer switch. Note that Mode 2 will override Mode 1.

**Apollo 100 & 200 Wiring**



To operate, connect the black, 12V(-) wire to ground and the red, 12V(+) wire to an activated switch. To change patterns, tap the green flash pattern changer wire to the 12V(-) ground wire. To activate mode 2, connect the white 12V(+) wire to an activated switch.

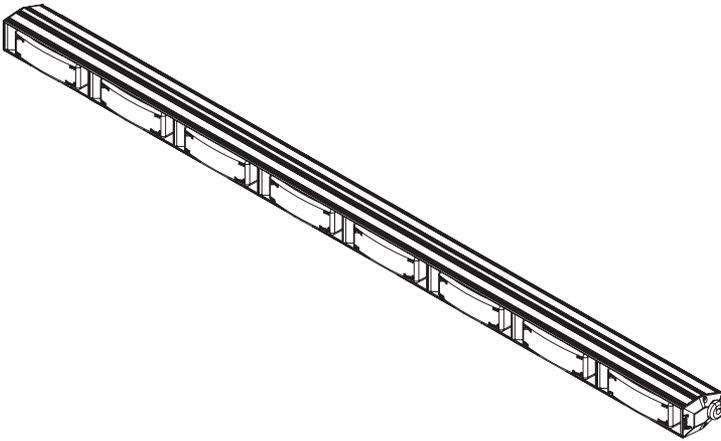
**Apollo 100 & 200 System Specification**

Wire Color: Function:

	Black	Negative 12V (-) Ground
	Red	Positive 12V (+) Power, Mode 1
	Green	Flash Pattern Changer
	White	Positive 12V (+), Mode 2

**Please Note!** The Apollo 100 and 200 features four wires: Red [12V+], Black [12V-], White [12V+], and Green [Flash Pattern Changer]. To change patterns, momentarily connect the green wire to the activated Black [12V-] wire. Note that Mode 2 will override Mode 1.

## Apollo 400, 600 & 800, Rocker Panel Wiring



### Apollo 400, 600, 800 & Rocker Panel Wiring Diagram

Wire Color:	Single Color:	Dual Color:
Black	Negative 12V (-) Ground	Negative 12V (-) Ground
Red	Positive 12V (+) Power	Positive 12V (+) Power
White	Takedown Steady*	Takedown Steady*
Yellow	Flash Mode Changer	Flash Mode Changer
Green	Takedown Flashing*	Mode Two (On wire)
Blue	Left Arrow	Left Arrow
Gray	Right Arrow	Right Arrow
Brown	Lightbar On	Mode One (On wire)
Blue/Gray	Center Out	Center Out

**Important!** Do not wire this unit to an alternative power supply, such as AC to DC converters. Wire only as instructed. The red (+) wire should connect only to the vehicle's battery or to a 12V (+) switch post. Failure to do so may damage the unit and will void warranty.

**\*Please Note!** These modes only function when the unit has takedowns in the assembly.

Step 1: In order to power the unit, extend the red, 12V(+) wire to the 12V(+) post of the vehicle's battery. Extend the black 12V(-) wire to the ground post of the vehicle's battery.

Step 2: To turn the lightstick on, connect the brown wire to a 12V(+) source.

Step 3: Momentarily connect the yellow wire on a 12V(+) source to change flash patterns.

Step 4: For left arrow function, connect the blue wire to a 12V(+) post (switch). There are 2 different left arrow flash patterns. To select a pattern, engage the blue wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 5: For right arrow function, connect the gray wire to a 12V(+) post (switch). There are 2 different right arrow flash patterns. To select a pattern, engage the gray wire a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 6: In order to achieve a center out directional pattern, connect both the gray and blue wires to a 12V(+) post (switch). There are 2 different center out flash patterns. To select a pattern, engage the blue and gray wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 7: For takedown steady functionality, connect the white wire to a 12V(+) post (switch).

Step 8: For takedown flashing, connect the green wire to a 12V+ (post). Please note that for dual color bars, the green wire will activate mode 2, unless otherwise programmed.

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**Important Note!** *Takedown steady overrides takedown flashing*

### **Activate Takedown Flashing for Dual Color:**

Step 1: Connect the black wire to the battery's 12V(-) ground.

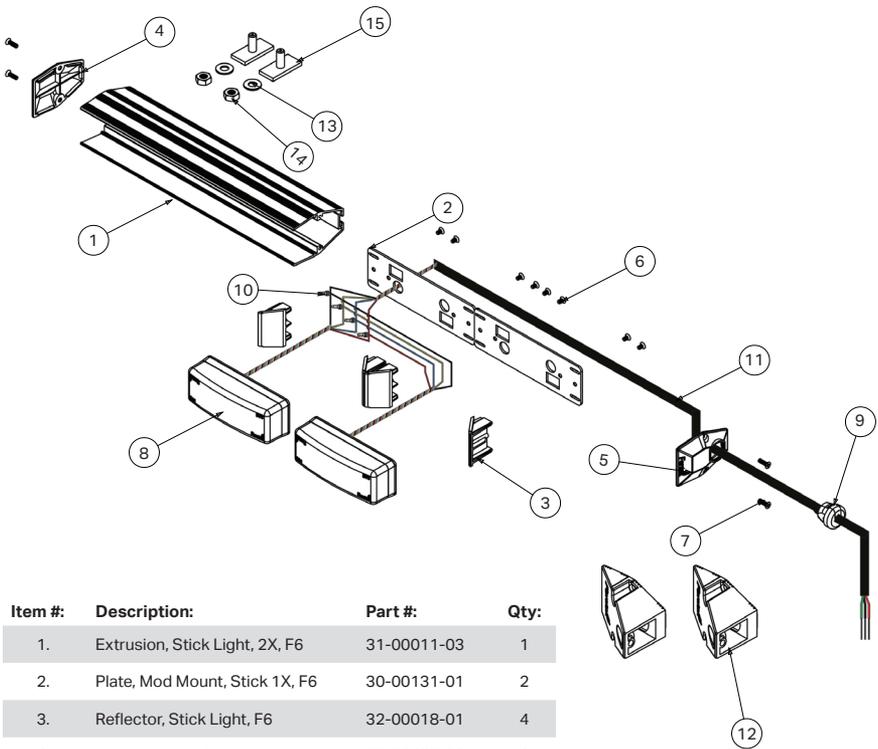
Step 2: Select the wire that will be set as the takedown flashing mode wire, either the green or brown wire.

Step 3: Twist the selected mode (green or brown), red, white, and yellow wires together.

Step 4: Power the lightbar on by connecting the twisted wires to the battery's positive (+). Once activated, the takedown steady function will engage. To verify takedowns are flashing, disconnect Takedown Steady (white) wire from power.

Step 5: Repeat steps 1 through 3 to deactivate Takedown Flashing.

# Exploded View Diagram



Item #:	Description:	Part #:	Qty:
1.	Extrusion, Stick Light, 2X, F6	31-00011-03	1
2.	Plate, Mod Mount, Stick 1X, F6	30-00131-01	2
3.	Reflector, Stick Light, F6	32-00018-01	4
4.	Cap, Stick Light, F6	33-00028-01	1
5.	Cap, End, Wire Exit, F6 Stick	33-00033-01	1
6.	Screw, Machine 4-40X0187 Flathead, 82Deg Undercut Countersunk, Cross, Stainless	10-00041-01	8
7.	Screw, Machine 4-40X0375 Flathead, 82Deg, Cross, Stainless, Black	10-00034-01	4
8.	F6S or F12S Module	F-10013-XX	2
9.	Bushing, Strain Relief, Heyco 1217	21-00001-01	1
10.	Terminal, Pigtail, #20569	52-00006-01	3
11.	Wire, UL, 4 Pin, 24 Awg	50-00004-01	1
12.	Endcap, Stick Light, Surface Mount, F6	33-00035-01	2
13.	Washer, Flat, No. 6, 0156ID, 0375 OD, Stainless	12-00001-05	2
14.	Nut, Hex, Locking, Nylon Insert	13-00003-02	2
15.	Slide in Bolt, Cobra, SS	63-00007-01	2

The flash patterns are listed in consecutive order of appearance. To select a certain flash pattern, start with a recognizable pattern and use the blue wire to cycle through patterns.

**Flash Patterns:  
Apollo 400, 600, 800 & Rocker Panel**

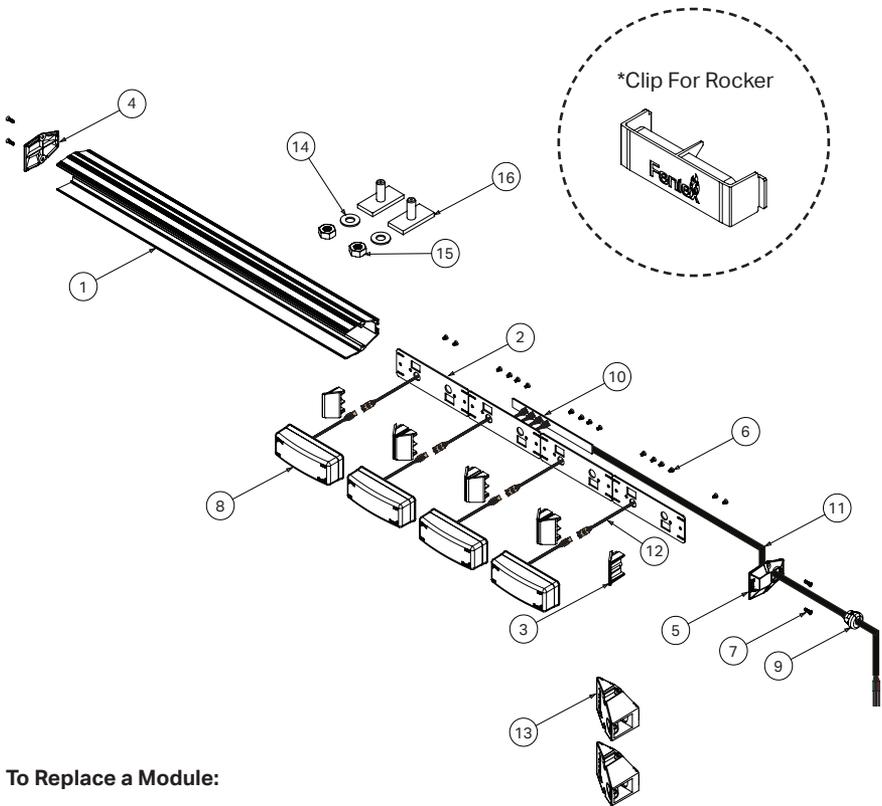
- 1 Brake Mode
- 2 Steady On
- 3 Single Slow
- 4 Single Fast
- 5 Single Combo
- 6 Double Slow
- 7 Double Fast
- 8 Double Combo
- 9 Triple Slow
- 10 Triple Fast
- 11 Triple Combo
- 12 Split Single Slow
- 13 Split Single Fast
- 14 Split Single Combo
- 15 Split Double Slow
- 16 Split Double Fast
- 17 Split Double Combo
- 18 Split Triple Slow
- 19 Split Triple Fast
- 20 Split Triple Combo

**Flash Patterns:  
Apollo 100, 200, 1X & 2X**

1. Brake Mode Color 1
2. Brake Mode Color 2
3. Steady On Color 1
4. Steady On Color 2
5. Single Slow
6. Single Fast
7. Single Combo
8. Double Slow
9. Double Fast

**Flash Patterns:  
Apollo 100, 200, 1X & 2X**

10. Double Combo
11. Triple Row
12. Triple Fast
13. Triple Combo
14. Single Slow
15. Single Fast
16. Single Combo
17. Double Slow
18. Double Fast
19. Double Combo
20. Triple Slow
21. Triple Fast
22. Triple Combo
23. Single Slow
24. Single Fast
25. Single Combo
26. Double Slow
27. Double Fast
28. Double Combo
29. Triple Slow
30. Triple Fast
31. Triple Combo
32. Single Slow
33. Single Fast
34. Single Combo
35. Double Slow
36. Double Fast
37. Double Combo
38. Triple Slow
39. Triple Fast
40. Triple Combo



## To Replace a Module:

Step 1: Unscrew the wire access endcap [part #5].

Step 2: Slide out the bar [part #2].

Step 3: Disconnect the module [part #8] from the wire from the driver [part #11].

Step 4: Remove the two screws [part #6] connecting the module to the bar.

Step 5: Screw in the new module into the bar [part #2] using the original hardware.

Step 6: Connect the new module to the wire from the driver [part #11].

Step 7: Screw in the chrome plates [part #3] back on each side of the module.

Step 8: Slide the bar back into the extrusion [part #1].

Step 9: Secure the two screws [part #7] connecting the flat endcap [part #4] to the extrusion.

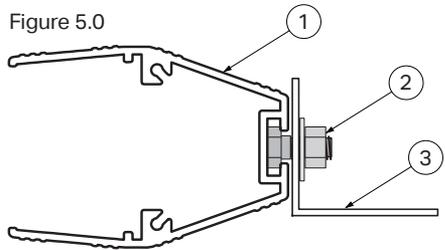
Step 1: To mount to bracketry, remove the flat endcap and slide in provided bolts in the back of the frame. Screw the flat endcap back into the aluminum extrusion with the original screws and attach bolts and nuts with the brackets.

Step 2: Mark the areas where the mounting holes will be drilled. If mounting surface is part of the vehicle, make sure no vital components could be damaged by the drilling process.

Step 3: Drill two mounting holes in the marked surface (see figure 5.0). If wires need to pass through vehicle, drill a 0.5" diameter hole for wire passage. Make sure to deburr holes thoroughly.

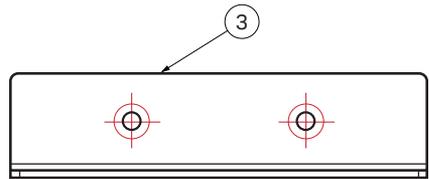
Step 4: Pass the wires through the 0.5" diameter hole, and secure the lighthead to the mounting surface with the provided hardware.

Figure 5.0



**Item #: Description:**

1	Apollo™ Extrusion
2	Mounting Hardware
3	Mounting Bracket



**FAQ**

**Can I get a hardwire harness for my Apollo™ 1X or 2X?**

The Apollo™ 1X and 2X can be configured with either the cigarette plug or hardwire harness. Please reference the Apollo™ 100 and 200 wiring harness for the Apollo™ 1X and 2X hardwire harness.

**What fuses do I use with the Apollo™ LED series?**

Use a 10 amp fuse with the Apollo™ models. Do not use more than 1 foot of wire between the fuse and the battery terminal to ensure wire protection.

**How do I secure the Apollo™ 1X and 2X to my windshield?**

Clean the surface where you intend to place the Apollo™ 1X or 2X and push the unit's suction cup firmly against the window.