

OWNER'S MANUAL



WHISTLER **1710/1730** LASER-RADAR **DETECTOR**



The Whistler Group Corporate Headquarters

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Customer Return Center

1201 N. Dixieland Rd. • Rogers, AR 72756

Consumer Relations Tel (800) 531-0004

If you have questions concerning the operation of this Whistler product please call:

CUSTOMER SERVICE 1-800-531-0004

Monday - Friday • 8:00 am - 5:00 pm CT
or visit our website
www.whistlergroup.com

Please keep the receipt in a safe place. You may register your product online at www.whistlergroup.com. For warranty verification purposes, a copy of your dated store receipt must still accompany any unit sent in for warranty work. If the unit is returned without a dated store receipt an out of warranty service charge applies. **Note:** Your warranty period begins at the time of purchase. The warranty is validated **only** by the dated store receipt! Now is the time to record the serial number of the unit in the space provided in the warranty section of the manual.

INTRODUCTION

Dear Whistler Owner,

For many of us, a vehicle is more than just transportation. It can be a mobile office, communications or entertainment center, or simply an expression of our personality. Whistler products are designed to make the time you spend in your vehicle more productive, more fulfilling, safer, or just simply more fun. Our mission is to provide products that improve your driving experience.

Your new Whistler 1710/1730 laser/radar detector detects all radar, laser and safety radar systems.

To fully acquaint yourself with the operation of the Whistler 1710/1730 and to better understand the differences between detecting radar, laser and safety radar signals, we recommend reading this entire manual or visit our FAQ page on our website www.whistlergroup.com

Enjoy the Whistler 1710/1730 and please drive safely.

Sincerely,

The Whistler Group

TABLE OF CONTENTS

Topic	Page
Model Features Summary	3 - 5
Installation	6 - 8
• Mounting Guidelines	
• Visor/Windshield Mounting	
• Power Connection And Fuse Replacement	
Operation	9 - 12
• Power On And Self-Test	
• Self-Test Mute	
• Integrated Real Voice™	
• Feature Engaged Confirmation	
• Audio Level Adjustment	
• Auto Quiet/Quiet Modes	
• City Modes	
• Dim/Dark Modes	
• Engaging/Disengaging VG-2 Detection	
• Option Select Mode	
• Teach/Tutorial Mode	
• Vehicle Battery Saver Mode	
Radar, Laser And VG-2 Alerts	13 - 17
• Radar Alerts	
• Pulse Protection™	
• Safety Radar Audio/Visual Alerts	
• Laser Audio/Visual Alerts	
• VG-2 Audio/Visual Alerts	
• Alert Priority	
• Reset Features	
• Care Maintenance	
Troubleshooting Guide	18
Are Detectors Legal?	19
Speed Monitoring Technologies	20 - 21
• Radar Facts	
• Laser Facts	
• Other Speed Detection Systems	
• Radar Detector Detectors	
Warranty Information	22 - 24
Specifications	25
Accessories	26

WHISTLER FEATURES

Whistler 1730 shown



Whistler's ergonomic and user-friendly design provides a new level of operating convenience.

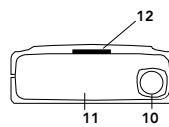
Special Features Include:

1. **Rear Laser Antenna (1730 Only)** – An integrated optical waveguide provides superior detection of laser signals transmitted from behind.
2. **Bracket Release Button** – Provides quick and easy release of the mounting bracket.
3. **Power / Volume Control** – Turns unit on/off and adjusts audio level.
4. **QUIET / Auto Quiet Button** – Pressing QUIET before a signal is detected engages Auto Quiet Mode. Pressing QUIET during a laser-radar encounter silences audio alerts, while allowing visual alerts to keep you informed.
5. **VG-2 Button (1730 Only)** – Engages (one beep) or disengages (2 beeps) VG-2 Cloaking Technology for non-detectability.

3

WHISTLER FEATURES

6. **City Button** – Reduces the annoyance of false alerts typically encountered in urban driving areas.
7. **Speaker** – Provides distinct audio warnings for X, K, Ka band radar, safety radar, laser and the VG-2.
8. **Power Jack** – Provides connection for the power cord.



9. **Radar Antenna** – Compact, high-efficiency antenna receives radar signals.
10. **Laser Antenna (Front)** – High gain optical lens provides increased sensitivity and field of view for leading-edge laser detection.

11. **Mounting Bracket Location** – Slot holds mounting bracket firmly.

Accessories – Accessories included are highly functional and easy to use.

Power Cord – Connects to the unit power jack and your vehicle's lighter socket.

Windshield Bracket – Allows installation of unit on your vehicle's windshield.

4

INSTALLATION

Mounting Guidelines

- Mount the unit as low as possible near the center of the windshield.
- Do not mount your unit behind wipers, ornaments, mirrored sunscreens, etc. These obstructions have metal surfaces which can affect radar and laser signals and reduce critical warning time. (Regular tinted glass does not affect reception.)
- Some windshields have an Instaclear™ or Electriclear™ type coating, which affect radar signals. Consult your dealer or the owner's manual supplied with your vehicle to determine if your windshield has this coating.
- Avoid placing unit in direct contact with windshield.
- To reduce the possibility of theft, conceal your unit when not in use.

Windshield Mounting

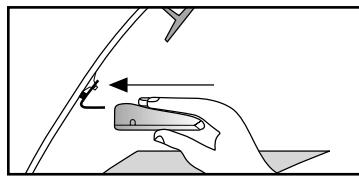
- Install the two suction cups and rubber bumper onto the bracket by fitting them into their holes.
- Press the suction cups onto the windshield at the location you have chosen. **IMPORTANT:** Some newer cars have a plastic safety coating on the inside of the windshield. The windshield bracket may leave permanent marks on this type of surface. To find out if your vehicle has this type of windshield, check the owner's manual or ask your dealer. We recommend that you do not leave the suction cup bracket on the window in direct sunlight. If the detector is removed, this may cause blistering of the dash in some vehicles.

5

INSTALLATION

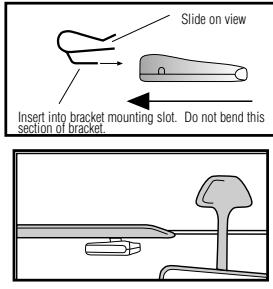
Windshield Mounting (Continued)

- Slide the detector onto the bracket until it locks into place.
- If necessary, the unit may be leveled by bending the windshield bracket. Press the bracket release button and remove the detector before bending.



Visor Mounting (Optional Accessory)

- Slide the visor bracket into the bracket mounting slot.
- Clip the visor bracket onto the visor making sure it is relatively level and has a clear view of the road.



6

INSTALLATION

Power Connection

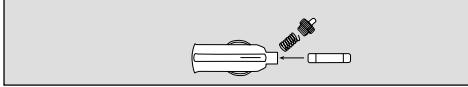
- Plug the small end of the power cord into the unit's power jack.
- Plug the large end into the vehicle's cigarette lighter.

Fuse Replacement

The lighter socket plug is equipped with a replaceable 2 amp 3AG fuse located behind the silver tip. To replace the fuse, carefully unscrew the tip of the plug.

IMPORTANT: *Unscrew slowly. The tip contains a spring which may fly out when disassembling.*

Insert the new fuse with the spring and screw on the tip. **With use, screw cap on plug may loosen. Retighten occasionally.**



Unscrew the tip of the lighter socket plug carefully when replacing the 2 amp fuse.

OPERATION

Feature Engaged Confirmation

Each time a button is pressed one beep confirms feature "on", two beeps confirm feature "off".

Quiet Mode

The QUIET Button accesses one of two muting options.

Auto Quiet Mode (1730 Only)

Pressing QUIET before a radar signal is detected provides an alternate alert pattern, consisting of four beeps (indicating X, K, Ka or Safety Radar) followed by clicking. The clicking will continue for as long as the detected signal is present or any new signal is detected within 20 seconds, becoming more rapid as the strength of the signal increases.

If Auto Quiet is engaged, pressing QUIET while the unit is alarming will cancel the beeps or clicking.

Pressing QUIET a second time when the unit is not alarming will cancel Auto Quiet mode and restore the continuous audio alert pattern.

OPERATION

City Mode

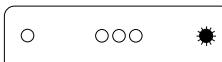
Whistler's City Mode is designed to reduce the annoyance of automatic door openers, intrusion alarms and other devices which share frequencies with police radar.

- Press City to engage City. Display shows:

Model 1730



Model 1710



- Press City a second time cancels City Mode.

In City Mode, weak speed/safety radar signals give an initial alarm of two beeps, and then the unit remains quiet unless the signal strength increases, two additional beeps are provided.

Highway Mode

Highway mode provides full audio warnings any time radar (X, K, Ka, Safety Radar) or laser signals are detected, and is recommended for open road driving. Highway mode is automatically engaged after the unit is turned on and completes the self-test.

OPERATION

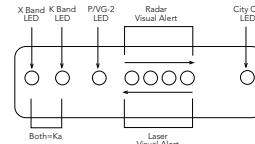
Power On And Self-Test

Each time your Whistler detector is turned on, an automatic self-test sequence confirms that the speaker and visual displays are functional.

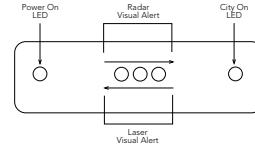
During Power Up, all the LEDs illuminate, while the X, K, and Ka alerts are sounded in sequence. Immediately after the radar alerts, the red LEDs are momentarily canceled, then illuminated from right to left while the laser alert is sounded.

After the laser alert the 1st and 4th (3rd on 1730) alert LEDs flash and the Safety Radar alert is sounded. At the end of the self-test sequence the unit is in the highway mode.

Model 1730



Model 1710



8

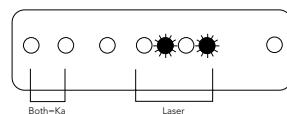
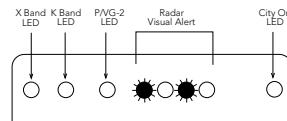
7

OPERATION

Vehicle Battery Saver Mode

The Vehicle Battery Saver Mode automatically shuts off your detector after 3 hours if you forget to turn it off. The timer is reset if the detector is turned off, unplugged or any button is pressed before the time has expired. The detector will alert you with an audible and visual warning before it shuts off. Display shows:

Model 1730 shown



During this warning you can momentarily reset the unit by pressing any button. This will reset the timer.

If the unit has automatically turned itself off, press any button to turn the unit back on. You can manually engage the Vehicle Battery Saver Mode by pressing and holding the City button until one beep is heard. The auto shutdown function will initiate after several seconds.

9

10

11

Radar Audio and Visual Alerts

When your Whistler detector encounters traffic radar, it provides a distinctive audio tone for the specific radar band detected: X, K, or Ka. At the same time, LEDs illuminate sequentially from left to right (see Page 9). The green and amber LEDs are cancelled during an alert.

The audio alerts are continuous, but have a Geiger counter-like pattern to help you determine your distance from the radar source; the faster the beeping, the closer you are to the transmitting source.

At the same time, illumination of multiple LEDs indicate relative signal strength.

Pulse Protection®

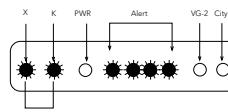
Pulse (*or instant-on*) radar is more difficult to detect than conventional radar because it remains "off" until activated to measure the speed of a targeted vehicle.

When a pulse type transmission is detected, your Whistler detector sounds an urgent 3-second audio warning and flashes the red LEDs at their fastest rate. After the 3-second pulse alert, the standard alert pattern continues for as long as the signal is present.

It is important to respond promptly to a pulse alert, since warning time may be minimal.

12**Speed Radar Audio / Visual Alerts**

When X, K or Ka is detected the band ID and signal strength is displayed. The audio alert is continuous and has a geiger counter-like pattern. The faster the beep the closer or stronger the radar source. Example:



1 Alert LED = weak signal, 4 Alert LED's = strong signal

Radar Band Identification (1730 Only)

When the Whistler 1730 encounters traffic radar, the Radar Band Indicators confirm the band detected by illuminating one or both of the LEDs as follows:

X Band — Amber LED Only

K Band — Red LED Only

Ka Band — Amber And Red LEDs Illuminate

Laser Audio And Visual Alerts

If you are the targeted vehicle, a laser gun can often determine your speed within a few seconds after you receive an alert. In this situation there is generally no time to safely adjust your speed. However, if you are traveling near or behind the targeted vehicle and receive an alert, response time should be sufficient. Any laser alert, regardless of duration, requir

13

detects a laser signal, the laser audio alert is sounded and the four red LEDs (*three red LEDs on 1710*) illuminate from right to left for as long as the signal is present, or for a minimum of three seconds.

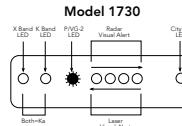
When the laser signal is no longer detected, the audio warning ends, but the LEDs continue to flash slowly for three seconds, indicating a laser encounter has just occurred.

VG-2 Detection Mode (1730 Only)

The VG-2, also known as a "*radar detector detector*," is a special receiver used by police to detect signals radiated by a radar detector.

Press the VG-2 button once to engage, unit beeps once. Pressing a second time cancels VG-2 detection mode, unit beeps twice. The P/VG-2 LED remains on.

When a VG-2 signal is detected the P/VG-2 LED flashes rapidly for 3 seconds and the VG-2 alert is sounded. After the 3 seconds the audio is canceled and the P/VG-2 alert LED flashes at a slower rate. This cycle is repeated if the VG-2 signal is again detected.

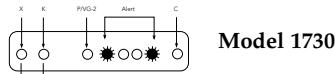
**14****TECHNOLOGIES****SAFETY RADAR ALERTS****TROUBLESHOOTING GUIDE****VG-2 (Continued)**

During the period a VG-2 signal is detected, a radar signal cannot be detected. However, because the VG-2 alert has confirmed that a patrol car is nearby, you are already aware of the potential for speed monitoring and can adjust your speed accordingly. Laser detection is not affected while a VG-2 signal is detected.

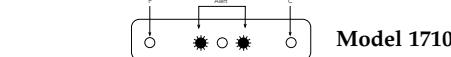
Note: VG-2 must be turned on to receive VG-2 Alerts.

Safety Radar Audio/Visual Alerts

Your Whistler detector detects the new Safety Warning System™. In communities where transmitters are located, this provides advanced warning of various road hazards including accident sites, highway construction, emergency vehicles, etc. and enables you to respond more appropriately to potentially dangerous conditions. When your Whistler detector detects a safety radar signal, it provides a distinctive audio tone and illuminates the first LED and the last LED in the signal strength display.



The first and last LED in the Signal Strength display flash to indicate detection of a Safety radar signal.

15

Model 1710

The first and last LED in the Signal Strength display flash to indicate detection of a Safety radar signal.

The Safety radar alert is displayed for as long as the signal is present and the audio alert is continuous, but has a Geiger counter like pattern to help you determine your distance from the Safety radar source; the faster the beeping, the closer you are to the source.

Care And Maintenance

During the summer months, avoid prolonged exposure to direct sunlight by removing your unit from the dash when your vehicle is parked for an extended period of time. Do not spray water, cleaners, or polishes directly onto the unit. The spray may penetrate through the openings and damage the unit. Also, do not use any abrasive cleaners on the units exterior.

Your Whistler detector is expertly engineered and designed to exacting quality standards to provide you with reliable, trouble-free operation. If your unit has been correctly installed following the guidelines in this manual, but is not operating optimally, please refer to the troubleshooting guide below.

PROBLEM: No display or audio.

- Check fuse in Whistler plug; replace if necessary with a 2 amp 3AG type.
- Check fuse for lighter socket; replace if necessary.
- Make sure lighter socket is clean.

PROBLEM: Unit alarms when vehicle hits bumps.

- Check for loose lighter socket; tighten and clean.
- Check connections at both ends of power cord. Substitute another cord to determine if cord is defective. Return defective cord to the factory.

PROBLEM: Unit alarms when using vehicle equipment, electrical accessories (brakes, power mirrors/windows, directionals, horn, etc.), or when accelerating.

- Vehicle's electrical system, including battery and alternator, may have electrical noise. Install a filter capacitor (470mfA, 25 volt or larger capacitance value) on the back of the lighter socket.

PROBLEM: Audio alerts are not loud enough.

- Cancel Auto Quiet Mode or City Mode.
- Check audio level setting (see page 10 and 11).

PROBLEM: Unit gives laser alert when accelerating.

- Possible bad or low quality distributor cap. Replace with high quality cap.

If difficulties occur which cannot be solved by information in this Troubleshooting Guide, please call Whistler Customer Service at 1-800-531-0004 before returning your unit for service.

16**17**

In Most States YES!

Laser detectors are completely legal in every state when used in automobiles or light trucks (*under 10,000 lbs.*). Similarly, when used in automobiles or light trucks, radar detectors are legal in almost every state. Exceptions are Virginia and Washington, D.C., which have local regulations restricting the use of radar receivers in any vehicle. Concerning trucks over 10,000 lbs., the Federal Highway Administration (*FHwA*) issued a regulation, effective January, 1994 which prohibits radar and laser detector use in these types of vehicles nationally.

Prior to the *FHwA* regulation, laws existed in the state of New York restricting the use of radar detectors in trucks over 18,000 lbs. and in the state of Illinois in trucks over 26,000 lbs.

FCC ID HSXWH01

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT

FCC requirements state that changes or modifications not expressly approved by Whistler could void the user's authority to operate the equipment.

18

19

20

Radar Facts

A radar gun operates by transmitting radio waves at certain frequencies which reflect off objects and are then picked up by the radar gun's receiving section. When a radar beam reflects off a moving target, a measurable frequency shift occurs. The radar unit converts this shift into miles per hour to determine your vehicle's speed. Currently, the FCC (*Federal Communications Commission*) permits operation of traffic radar guns at X Band (10.500 - 10.550 GHz), K Band (24.050 - 24.250 GHz), and Ka Band (33.400 - 36.000 GHz).

Note: A radar detector will not alarm if an officer is not transmitting

Laser Facts

It's well documented that many radar guns cannot reliably provide the speed of a targeted vehicle that is traveling in a group of vehicles. In contrast, a laser gun can target a specific vehicle out of a line of traffic and determine its speed. The advantage of laser over radar in terms of target identification is the result of the laser gun's narrow beam. A radar transmission can cover more than a four-lane highway at a distance of 1,000 feet, compared with a laser transmission which covers about 3 feet at the same distance. For best protection, keep these points in mind:

- Because your vehicle's license plate or headlights are the laser gun's primary targets, mounting your Whistler detector on the dashboard can improve laser detection at short range.
- Do not follow closely behind any vehicle you cannot see through. If you can't see past a vehicle ahead of you, chances are your detector won't either.
- The receiving range of your laser detector will not be the same as a radar detector. Laser guns are most often used at short range.

Whistler Laser/Radar detectors receive all current laser guns which operate at a laser wavelength of 905 +/- 10mm.

- Pro Laser™ I II III
- LT1 20-20
- Ultra Lyte

Other Speed Detection Systems

Several techniques other than radar or laser are used to measure vehicle speeds. When these methods are being used, no detector can provide a warning. These techniques include:

- Pacing - A patrol car drives behind you and matches your driving speed.
- Vascar/Aircraft - The time it takes a vehicle to travel a known distance is measured.

SPEED MONITORING

WARRANTY INFORMATION

WARRANTY INFORMATION

Consumer Warranty

This Whistler Laser/Radar detector is warranted to the original purchaser for a period of one year from the date of original purchase against all defects in materials and workmanship. This limited warranty is void if the unit is abused, modified, installed improperly, if the housing has been removed, or if the serial number is missing. There are no express warranties covering this product other than those set forth in this warranty. All express or implied warranties for this product are limited to one year. Whistler is not liable for damages arising from the use, misuse, or operation of this product.

Service Under Warranty

During the warranty period, defective units will be repaired without charge to the purchaser when returned with a dated store receipt to the address below. Units returned without dated store receipt will be handled as described in section *"Service Out Of Warranty."* Due to the specialized equipment necessary for testing a laser/radar receiver, there are no authorized service stations for Whistler brand detectors other than the Whistler factory.

Radar Detector Detectors (VG-2)

The Interceptor VG-2, or simply VG-2, is a microwave receiver used by police to detect signals radiated by the local oscillator of a radar detector. Because its purpose is to identify persons driving with radar detectors, the VG-2 is known as a "radar detector detector".

The VG-2 is the primary tool used by the police to identify radar detector equipped vehicles. If caught, in a state where detectors are illegal, (*see page 19*), drivers risk losing their radar detector and receiving a fine. In addition, instant-on radar is almost always used in combination with a VG-2, leaving unsuspecting motorists vulnerable to receiving two tickets - one potentially for speeding, the other for possession of a detector.

Having a radar detector capable of detecting the VG-2 may alert you to the presence of a speed trap.

For more information on speed monitoring technologies, please visit our FAQ page on our website:

www.whistlergroup.com

Be Advised: Model 1710 radar detector does not detect or hide from VG-2. Only model 1730 provides VG-2 protection.

It is the responsibility of the individual radar detector owner to know and understand the laws in your area regarding the legality of the use of radar detectors.

When returning a unit for service under warranty, please follow these instructions:

1. Ship the unit in the original carton or in a suitable sturdy equivalent, fully insured, with return receipt requested to:

Whistler Repair Dept.
1201 North Dixieland Rd
Rogers, AR 72756

IMPORTANT: Whistler will not assume responsibility for loss or damage incurred in shipping. Therefore, please ship your unit insured with return receipt requested. **CODs will not be accepted!**

2. Include with your unit the following information, clearly printed:

- Your name and street address (*for shipping via UPS*), a daytime telephone number and email address, if applicable. (*No P.O. Box please.*)
- A detailed description of the problem (*e.g., "Unit performs self-test but does not respond to radar."*)
- A copy of your dated store receipt or bill of sale.

3. Be certain your unit is returned with its serial number. For reference, please write your units serial number in the following space: s/n_____.

Units without serial numbers are not covered under warranty.

IMPORTANT: To validate that your unit is within the warranty period, make sure you keep a copy of your dated store receipt. You may register your warranty online at www.whistlergroup.com, however, for warranty verification purposes, a copy of your dated store receipt must accompany any unit sent in for warranty work.

21

22

23

Service Out of Warranty

Units will be repaired at "out of warranty" service rates when:

- The units original warranty has expired.
- Dated store receipt is not supplied.
- The unit has been returned without its serial number.
- The unit has been abused, modified, installed improperly, or had its housing removed.

The minimum out of warranty service fee for your Whistler detector is \$35.00 (U.S.). If you require out of warranty service, please return your unit as outlined in the section "Service Under Warranty" along with a certified check or money order for \$35.00. Payment may also be made by MasterCard, VISA or American Express; **personal checks are not accepted**. In the event repairs cannot be covered by the minimum \$35.00 service fee, you will be contacted by a Whistler technical service specialist who will outline options available to you. If you elect not to have your unit repaired, it will be returned to you along with your certified check or money order.

IMPORTANT: When returning your unit for service, be certain to include a daytime telephone number, and email address (*if applicable*).

Customer Service

If you have questions concerning the operation of your Whistler detector, or require service during or after the warranty period, please call Customer Service at:

1-800-531-0004.

Representatives are available to answer your questions Monday - Friday from 8:00 a.m. to 5:00 p.m. (CT).

24

1710 Dimensions: 1.2"H x 2.72"W x 4.0"L
1710 Weight: 5.5 oz.

1730 Dimensions: 1.3"H x 2.9"W x 3.9"L
1730 Weight: 5.5 oz.

Laser Wavelength:
 905 ± 50 nanometers (nm)

Radar Frequencies:
10.500 - 10.550 GHz (X Band)
24.050 - 24.250 GHz (K Band)
33.400 - 36.000 GHz (Ka Superwideband)

Operating Temperature Range:
-20° C to +80° C (-4° F to +176° F)

Power Requirements:
Operational 12 to 15 volts DC, 250mA nominal
Vehicle Battery Saver, 30mA nominal.

One or more U.S. patents apply:
#4,315,261
#5,146,227
#5,379,456
#5,666,120
#5,990,821

Specifications are subject to change without notice.

25

The following accessories can be ordered directly from Whistler by calling 1-800-531-0004 or visit our online store at www.whistlergroup.com

Order Code	Description	Price
202138	Visor Bracket	\$ 6.95
202140	Windshield Bracket Kit	\$ 9.95
206294	*Modular Lighter Plug (Requires 206550 or 206551)	\$ 7.95
206550	*Modular Straight Power Cord (5') (Requires 206294)	\$ 6.95
206551	*Modular Coiled Power Cord (7') (Requires 206294)	\$ 7.95
206552	Straight Power Cord (5')	\$ 14.95
206553	Coiled Power Cord (7')	\$ 15.95
206879	Hook & Loop	\$ 1.95
206880	Hardwire Kit (10') (for wiring to fuse box)	\$ 9.95
203283	Socket Multiplier (Requires 206550 or 206551)	\$ 9.95
206666	Modular Cord Package (includes 206550, 206551, 206294)	\$ 17.95
159032	Package of 8 Suction Cups	\$ 2.95

***Modular:** Interconnecting pieces cord and plug. Shipping and handling (*per order*) \$5.00 Prices are subject to change without notice.

26