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Cobra spx 900 manual

and customer assistanceIntroductionIntroIsh Important information •Federal laws governing the use of radar detectors Is not against federal law receiving radar transmissions with your Cobra radar/laser detector. The Communications Act 1924 guarantees your right to receive radio transmissions at any frequency. Local laws that contravene this Act, while illegal, may be enforced by their local law enforcement officials until and unless prohibited from doing so by federal court action. Safety AlertUse this product is not intended for, and no, warrants that motorists or passengers will not be involved in traffic accidents. It is only intended to alert the motorist that an emergency vehicle equipped with a Cobra safety alert transmitter is within the range defined by that product. Call local fire and police departments to find out if there is coverage in your area. Safe driving motorists, as well as emergency or service vehicle operators, are expected to exercise due caution during the use of this product and to obey all applicable traffic laws. Safety of your vehicle Before leaving your vehicle, always remember to hide your radar detector in order to reduce the possibility of theft and theft. Customer Support •If you encounter any problems with this product, or do not understand its many features, refer to this owner's manual. If you need further assistance after reading this manual, Cobra Electronics offers the following customer support services:For assistance in U.S. Automated Support in English only. 24 hours a day, 7 days a week 773-889-3087 (phone). English and Spanish Customer Support Operators. 8:00 a.m. to 5:30 p.m. Central Time Monday through Friday (except holidays) 773-889-3087 (phone). English and Spanish questions. Faxes can be received at 773-622-2269 (fax). Technical support In English only. www.cobra.com (online: Frequently Asked Questions). English and Spanish. production@cobra.com (e-mail). For assistance outside the U.S. Contact your local distributor©2013 Cobra Electronics Corporation 6500 West Cortland Street Chicago, Illinois 60707 USAwww.cobra.com AssistanceSPX 90014 BAND™HIGH-PERFORMANCE DIGITAL RADAR/LASER DETECTOR WITH XTREME RANGE SUPERHETERODYNE™ TECHNOLOGYNothing Comes Close to a Cobra® EnglishOperating Instructionsed in KoreaPart No. 480-915-PVersion BNothing Comes of a Cobra® EnglishFor more information or to order any of our products, please visit our website:www.cobra.com The Cobra line of quality products includes:CB includes:CB RadiosRadar/Laser Detectors Safety Alert® Traffic Warning Systems Intruder-specific navigation systemsHighGear® AccessoriesCobraMarine VHF RadiosPower InvertersLED LightsJumpstartersAccessoriesA1SPX900_MANL.indd 1-1 11/21/13 8:30 AMPage 2 This brochure describes the simple steps to assemble and configure the detector. It also provides useful information on how radar and laser guns are used and how you can interpret the alerts you receive. Accessories Order Information and Trade Mark RecognitionNo approaching a Cobra®25IntroductionNothing Product Instructions and FeaturesIntroductionNothing approaches a Cobra®A3Display •X K Ka V S cX K Ka V S cX K Ka V cControls, Indicators and ConnectionsIntroductionA2IshInControls, Indicators and •Connections Dim Button Allows you to adjust the UltraBright data display for easy reading. (It also turns VG-2 and Spectre I & IV+ alerts on and off.) LaserEye For 360o laser signal detection. IntelliMute ButtonEngine RPM RPM detection mute function that reduces false alerts. Button turns IntelliMute on and off. (It also enters IntelliMute configuration mode.*) Mute button to manually mute or automatically mute audio alerts. (Also turn voice alert on and off.*) * Press and hold for four seconds to access these features. WARNINGModifications or replacements of parts not approved by Cobra Electronics Corporation may violate the FCC Rules and void your authority to operate this equipment. SpeakerNOTE: In this manual When stable, the display will be displayed:When flashing, the display will be displayed:X & K will turn on simultaneously when indicating Ku:Order from USA detection. A.Call 773-889-3087 for pricing or visit www.cobra.com.For Credit Card Orders Call 773-889-3087 [Press one from main menu] 8:00 a.m.m. Central time, Monday to Friday. Make check or money order payable to Cobra Electronics, Attn: Accessories Dept., 6500 West Cortland Street, Chicago, IL 60707 U.S.A.To Order Online Visit our website: www.cobra.com.Xtreme Range Superheterodyne™ TechnologyWith super-fast scanning circuits, XRS provides an additional detection range and the best possible advance warning even to the fastest Radar GunsDetection and Separate Alerts for: Radar Signals (X, K, Ka and Ku Bands, with indicated signal strength), Laser Signals, Safety Alert Signals, VG-2 Signals, Spectre I & IV+LaserEye Signals® For 360o detection of laser signalsInstant-On Ready Detects radar guns with instant-on speed monitoring capabilities (very fast)Image detection Detection of the latest super single pulse radar cannons Alert or Voice Alert®With Adjustable VolumeUltra Data Display ™Bright Easy to Read with Adjustable BrightnessCity or Road Modes to reduce false alertsSusive program of radar bands to be monitored Alert®Ruding warning system disinguishes important safety alerts from other KTajeual KTajeual band signals o Automatic mute An audio alert mute functionIntelliMute®A mute function reduces false audio alerts by detecting RPMsIntelliMute engine® detecting ProPrevents by radar detectors (RDDs) when traveling at slower speedsMonting Mounts easily on the windshield or dashboard Product Features Radar Indicator IntelliBands, INDICATERs VG-2, Spectre I & IV+ and SafetyX K Ka V S LSignal Strength, Pop, Laser, City/Highway and IntelliMute Pro Mode IndicatorsSignal Strength 1 (weaker) to 5 (stronger)Trademark recognition •Cobra®, DigiView®, EasySet®, Additional Sensory Detection®, IntelliMute®, IntelliMute Pro®, IntelliShield®, LaserEye®, Nothing Comes Close to a Cobra®, Safety Alert® Traffic Warning System, Strobe Alert®, VG-2 Alert®, Xtreme Range Superheterodyne™ and Snake Design are registered trademarks of Cobra Electronics Corporation , U.S. Cobra Electronics Corporation™, 14 Band™, 15 Band™, Extreme Bright DataGrafix™, IntelliLink™, Revolution™ Series, SmartPower™, Spectre Alert™, Super-Xtreme Range Superheterodyne™, S-XRS™, UltraBright™, and Voice Alert™ are trademarks of Cobra Electronics Corporation, USA. 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(Also turn Ku alerts on and off.*) On-Off/Volume ControlAI allows you to adjust the volume of pitch alerts.12V DC Power JackWindshield Bracket Release ButtonAudio JackItemTM Description 420-030-N-001 12V straight power cable 420-026-N-001 12V power cable -545V -TM159-N-001 Windshield mount bracket CLP-2B Dual Port Power AdapterSPX900_MANL.indd 2-25 11/21/13 8:30 AMPage 3Nothing approaches a Cobra®1ContentsIntroductionIntroductionIntroductionImportation of information ..... A1 AssistanceCustomer .... A1Controls, Indicators and Connections ..... A2Display .... A3Product Features A3SU DetectorInstallation ....0 2Obsemente running ..... 5 Auxiliary Audio Jack ..... 5Settings ...... 6 Road/City Mode ..... 6 Ultrabright Data Screen Brightness ..... 7 Mute an alert ..... 8 Auto mode ..... 8 IntelliMute ..... 9 IntelliMute Pro ..... 12 Adjusting voice/tone ..... 13 VG-2 and Spectre I & IV+ Alert Settings ..... 13 Radar Alert and Pop Alert Settings ... 14Detection .... 15 Signals Detected ..... 15 Audio Alerts ..... 15 Visual Display ..... 15 Instant Detection ..... 18 Responding to Alerts ..... 18The radar and the laser of understanding ..... 19Intance ..... 20 Specifications ..... 21 1-Year Warranty 1-Year Welcome Warranty... 22Customer AssistanceProduct Service ..... 23 Optional Accessories ..... 24Eed Order Information Features ..... 25 Trademark recognition 25SPX900_MANL.indd 1 11/21/13 8:30 AMPage 4Nothing Comes Close to a Cobra® DetectorYour3InstallationYour Detector2InIshInstallation •Where to Mount Your UnitYou will get optimal performance from your detector if you mount it at a point approximately in the center of the vehicle, as low as possible on the front windshield without obstructing the view of the road unit, either at the front or rear. Make sure the unit is level with the road. You can also mount it directly to the panel. The lens of the unit must not be locked and the LaserEye must have a clear view through the rear window to allow 360o detection. Radar and laser signals pass through the glass, but not through other materials and objects. Objects that can block or weaken incoming signals include: g Windshield Wiper Blades g Mirrored sunscreen Dark tint on top of heated windshields currently available in some vehicles (Instaclear for Ford, Electriclear for GM.) Check with your dealer to see if you have this option.1. Attach the rubber cups to the holder.2. Make sure the rubber cups and windshield are clean.3. Push the bracket firmly onto the windshield.4. Connect the detector to the stand. Check the angle of the unit.5. To adjust the angle if necessary, gently push or pull the bracket to bend it. DO NOT use the detector to bend the bracket.6. Connect the power cord to the detector.7. Plug the cigarette lighter adapter from the power into your vehicle's cigarette lighter.8. You can temporarily remove the detector whenever you want by pressing the release button on the holder and sliding it out of the bracket. Windshield mountingThe LaserEye must have a transparent ViewWindshield mounting control panel MountingInstallationSPX900_MANL.indd 2-3 11/21/13 8:31 AMPage 5Getting Started •Getting StartedYour DetectorNothing Comes Close to a Cobra®InstallationYour4English1. Place the detector on the dashboard to find a place where the unit has a clear, level view of the road. The angle can NOT be adjusted after assembly.2. Remove the paper backrest from one side of the hook and loop fastener.3. Place the panel on the dashboard at the chosen location and remove the other backup document.4. Connect the detector to the hook and loop closure. You can remove and reconnect the unit as many times as you want.5. Connect the power cord to the detector.6. Plug the cigarette lighter adapter from the power cord into your vehicle's cigarette lighter. Mounting the dashboardPower OnX K Ka V S hTo turn on the unit and volumeRotate the on/off/volume control in the direction of the (away from you). VoiceVisual DisplayThree Tone Beeps Test, then three System Ready beeps, then you're OnOn-Off / Volume Control Turn clockwise (away from you) NOTE in some vehicles, power is supplied to the cigarette lighter even while the ignition is off. Off. This is the case with your vehicle, you must turn off or disconnect the detector when parking for extended periods. Auxiliary audio connector •The auxiliary audio connector can be used to connect external speakers in environments with high ambient noise levels. The internal speaker will disconnect. (This uses a mini stereo audio jack.) SPX900_MANL.indd 4-5 11/21/13 8:31 AMPage 6Dim ButtonPress and releaseSettingsYour DetectorNothing Comes Close to a Cobra®7UltraBright Data Display Brightness You can choose from three settings for Screen Brightness. You can scroll through the settings by repeatedly pressing the Dim button. The factory setting is Bright.SettingsYour Detector6InIishHighway/City ModeSetting your detector to City mode delays all X-band audio alerts until the signal strength reaches level 3. (A single beep will sound when the signal is first detected.) This will reduce false alerts while driving in, or near, urban areas where there are many sources for conflicting X-band signals, such as microwave towers and automatic door openers. To change the settings, follow the procedure below, which indicates what you'll see and hear (either in Voice Alert or Tone Alert mode) as you complete each step. The factory setting is Road mode. Press and release the DimCity ModeX K Ka V S cX K Ka V S hTo Change From Highway Mode a City ModePress button and release the City button. Tone VoiceVisual DisplayTwo sounds Highway appears on the screenTo change the brightness to DimPress and release the Dim button once. Tone VoiceVisual DisplayOne beep Dim Display dimsTo Change the Brightness to DarkPress and release the Dim button again. Tone VoiceVisual DisplayOne beeps Dark Display remains dimmed (no visual alerts will be displayed)To change the brightness to BrightPress and release the Dim button a third time. Tone VoiceVisual DisplayTwo beeps Bright Display returns to full brightnessJust •When changing settings on your detector, please note: g Buttons may have multiple functions.g Depending on your choice of voice alert or tone alert mode, you will hear voice messages or tones confirming configuration changes. (g) All settings will be stored in memory when power is turned off and recovered when On.BrightDarkDimSPX900_MANL.indd 6-7 11/21/13 8:31 AMPage 7In is turned back onIntelliMute ButtonPress and releaseMute ButtonPress and releaseSettingsYour DetectorNothing Comes Close to a Cobra®9SettingsYour Detector8InlishMuting an AlertYour detector allows you to quickly disable an alert momentarily pressing the Mute button. If you press the Mute button a second time during the Alert, the audio alert is activated again. Auto Silence ModeAuto Auto will automatically reduce the audio volume of all alerts after four seconds for the time the signal is detected. The factory setting for Auto Mute is On.IntelliMute intelliMute is a unique feature that allows you to avoid alerts you don't need to hear because you're slowly stopping or moving. By detecting your engine's revs (RPM), IntelliMute knows when it's low-speed and automatically mutes audio radar alerts. Before IntelliMute works, you must set an activation point for engine revolutions (see page 10). As long as the revs are below that point, IntelliMute will start muting. The activation point will be stored in memory and recovered each time the power is turned on. The factory setting is IntelliMute Off. NOTE IntelliMute may not work with some vehicles because it cannot detect engine revs. In such cases, you can reduce unwanted audio alerts by using Auto Mute mode and City mode when appropriate. To turn off auto-disablePrint and release the Mute button while no alert occurs. Tone VoiceVisual DisplayOne Beeps Auto Power Off NoneTo enable automatic mute Press and release the Mute button again while no alert occurs. Tone VoiceVisual DisplayTwo emits an automatic beep in NoneTo activate IntelliMute OnPress and release the IntelliMute button. Tone VoiceVisual DisplayTwo beeps IntelliMute On Dot appears next to the large character on the rightTo disable IntelliMute and release the IntelliMute button again. Tone VoiceVisual DisplayOne beeps IntelliMute Off Dot disappearsSPX900_MANL.indd 8-9 11/21/13 8:31 AMPage 8Your DetectorNothing Comes Close to a Cobra®SettingsYour Detector12To switch from voice alert to tone alertWhile no signal is detected, press and hold the Mute button for two seconds. Tone VoiceVisual DisplayOne Beeps NoneTo Tone Alert Change tone alert Back to voice alertWhile no signal is detected, press and hold the Mute button for two seconds again. Tone VoiceVisual DisplayOne Voice Alert NoneSpectre VG-2 OffV will flash once on the ScreenOff - A BeepVG-2 and Spectre I & IV + Alert SettingsPolice use radar detectors (RDDs) to detect radar detector users. Your detector is able to identify VG-2, Spectre I and Spectre IV+ RDDs signals and can provide alerts when any of these or similar devices are in use near your vehicle. Your detector can be detected by RDDs, But is invisible to the VG-2 and Spectre I RDDs. You can choose whether to be alerted to VG-2 and Spectre I & IV + RDD signals. The factory settings for VG-2 and Spectre I & IV+ alerts are Off.IntelliMute ProIntelliMute Pro prevents detection by radar (RDD) such as VG-2, Spectre I and Spectre IV+ when traveling at slower speeds. It is designed for use by experienced users only. When IntelliMute Pro is enabled and engine RPMs are below the IntelliMute trigger point, the detector's radar detection circuits are turned off to avoid avoiding by RDDs.Before IntelliMute Pro can be activated, you have must have activated and set the IntelliMute activation point. (See pages 9 to 11.) To activate IntelliMute ProWhile no signal is detected, press and hold the IntelliMute and City buttons for four seconds. Tone VoiceVisual DisplayTwo beeps IntelliMute Pro On c or h will flashTo disable IntelliMute ProPress and hold down the IntelliMute and City buttons for four seconds. Tone VoiceVisual DisplayOne beeps IntelliMute Pro Off c or h will flashTo enable IntelliMute Pro OnX K Ka V S cCAUTION When IntelliMute Pro is activated, radar signals will NOT be detected and NO RPM alerts will be provided below the IntelliMute trigger point. IntelliMute ButtonCity ButtonPulse and hold down both buttons simultaneouslySettingsSPX900_MANL.indd 12-13 11/21/13 8:31 AMPage 10Settings and DetectionYour DetectorNothing Comes Close to a Cobra®14engdetection The tables on the following pages show the types of Detection that will detect, as well as the visual and voice alerts it provides for each of them. In voice alert mode, you will first hear multiple tones, then a voice message announcing the detected signal type, followed by more tones. In Tone Alert mode, you will only hear the tones. In Voice Alert and Tone Alert modes, a clearly different alert tone is used for each type of detected signal (including separate tones for each laser signal). For X, K, Ka, and Ku band radar signals, the tones will repeat faster as you approach the signal source. The repeating speed of the tones gives you useful information about the detected signal. (See responding to alerts on page 18.) An indication of the detected signal type appears on the UltraBright data screen. During X, K, Ka, and Ku alerts, a number will also appear indicating the strength of the detected signal. (1st weakest, 5th strongest) X Signal DetectedX K Ka V S 2X K Ka V S 3 X K Ka V S 5 X K Ka V S 4K Signal Detected Signal Ka Detected DetectedKu DetectedKu SignalTo enable and disable the alert popWhile no signal is detected, press and hold the Dim and City buttons for four seconds. Tone VoiceVisual DisplayPop On : Two beepsPop OnP will flash twice on the ScreenPop OffP will flash once on the Display Off screen - Radar alert settings of a beepThe detector allows you to choose whether to display alerts on the, X, K and Ku bands. The factory settings are: X Band and K Band On; Ku Band Off.To Turn the K band on and off While no signal is detected, press and hold the Mute and City buttons for four seconds. Tone VoiceVisual DisplayKu On : Two BeepsK OnK will flash twice on the Turn ku Band* on and off While no signal is detected, press and hold the City button for four seconds. Tone VoiceVisual DisplayKu - Two Ku OnX and K beeps will flash twice on the screenK will flash once on the Off - An OffKu OffX OffX beep K will flash once on the screenX Off - A beepTo turn the X Band on and offWhile no signal is detected, press and hold the Dim and Mute buttons for four seconds. Tone VoiceVisual DisplayX On - Two BeepsX OnX will flash twice on the ScreenX OffX will flash once on the ScreenX Off - A beepPop AlertThe Pop Mode radar is a single-pulse Doppler radar that is a feature of a K-band Instant-On radar gun and Ka (Bee III Ka). Use a single short-time pulse to measure the speed of the target vehicle. The Pop mode receiver detects Pop singles beyond the effective range of Pop radar guns. As the Pop mode receiver is so sensitive, you should limit the use of pop detection mode to road and rural driving. Pop Alert will alert you to Pop radar signals. During the alert, the unit continues to detect other signals. The factory setting is Pop Detect Off. Pop Alert (continued)SPX900_MANL.indd 14-15 11/21/13 8:31 AMPage 11DetectionNothing Approaches a Cobra®17DetectionSafety Alert Signals, Voice & Visual Displays Signal Type Visual Voice Display Emergency Vehicles Emergency Vehicle Approaching S is Steady Road Hazards Road Hazard Ahead S is Steady TrainingS is SteadySafety Alert Signal DetectedX K Ka V S cVG-2 and Spectre I or IV+ Alert Signal is Steady Spectre I or IV+ Spectre IV BlinksVG-2 Alert Signal DetectedX K Ka V S cSpectre I or IV+ Alert DetectedX K Ka V S NOTE There are different tones for each security alert. NOTE There are different tones for each alert. Radar Signals, Voice and Visual Voice Signal Type Visual DisplayX Band Radar X X Alert and Signal Strength K Band Radar K Alert K Alert K and Signal Strength Ku Banda Radar Ku Alert Ku and Signal Strength Pop Radar Pop Mode Alert P is Signal SteadyLaser DetectedX K Ka V S L NOTE Changes in beep rate with different laser alerts. During pop alerts, the letter P will appear; and during laser alerts, the letter L will appear, instead of the signal strength indication. During VG-2 or Spectre I or IV+ alerts, the letter V will appear. It will be constant during the VG-2 and will flash during Spectre I or IV+. During the security alert, the letter S appears. Safety alert signal DetectedX K Ka V S cX Signal DetectedX K Ka V S 2X K Ka V S 3 X K Ka V S 5 X K Ka V S 4K Signal DetectedX K Ka V S L Laser signal DetectedX K Ka V S PVG-2 signal DetectedX K Ka V S PYour DetectorLaser Signals, Voice displays and Visual DisplayLTI 20-20* Laser L voice voice signal is SteadyLTI Laser* Laser L is SteadyKustom Signals Laser 340* Laser L is SteadyKustom Signals Laser* Laser* L is SteadyStalker LIDAR* Atlanta SpeedLaser/Kustom Signals-ProLaser II* Laser L is Steady* Your detector provides 360o detection of these signals. SPX900_MANL.indd 16-17 11/21/13 8:31 AMPage 12Cooling radar and laser detectorSuen approaches a Cobra®19DetectionYour Detector18InIishUnderstan ding Radar and Laser •Radar Radar Speed Monitoring SystemsTres band frequencies have been approved by the Federal Communications Commission (FCC) for use by speed monitoring radar equipment: X Band 10.525 GHz Band K 24. Ka band 150 GHz 33,400 – 36.00 GHzSus detector detects signals in all three radar bands, plus the Ku band (13,435 GHz), which is an approved frequency used in parts of Europe and Asia.VG-2 and Spectre I & IV+VG-2 and Spectre I & IV+ are radar detectors (RDDs) that work by detecting low-level signals emitted by most radar detectors. The detector does not emit signals that can be detected by the VG-2 and Spectre I RDDs. However, your detector can be detected by Spectre IV + RDDs. Your unit detects signals from these or similar devices and will alert you when the device is in use near your vehicle. Safety alert transmitters approved by the Safety Alert Safety Alert System emit microwave radar signals indicating the presence of a safety concern. Depending on the frequency of the signal emitted, you can indicate a speeding vehicle or emergency train, or a stationary danger on the road. Because these microwave signals are within the K-band frequency, most conventional radar detectors will detect safety alerts as standard K-band radar. Its detector, however, is designed to differentiate between standard K-band signals and safety alert signals, and give separate alerts for each. Security alert technology is relatively new. Security alert transmitters can be found in limited numbers in all 50 states, but the number is growing. Depending on your location, you may not receive these alerts regularly and can often bring emergency vehicles, trains and hazards on the road without being alerted. As the number of transmitters increases, these alerts will become more common. When you receive such an alert, please be careful with the emergency vehicles in front of you, on the cross streets and behind you. If you see an emergency vehicle approaching, stop to the right side of the road and allow it to pass. Description InterpretationRecomendada ResponseTone slowly repeats at the beginning and then accelerates quickly. a police radar. FULL ALERTTone sounds only once. Probably a false alarm, but possibly a pulsed radar, VG-2, or Spectre I or IV+ nearby. ExerciseTone caution begins to repeat quickly instantly. Radar, VG-2 or Spectre I or IV+ nearby has been activated quickly. FULL ALERTTone repeats as you approach a hill or bridge, then accelerates sharply as you reach it. Probably the police radar beyond the hill or the bridge. FULL ALERTTone repeats repeated for a short period. Probably a false alarm. Be careful any type of laser alert. Laser alerts are never false alarms. FULL ALERTSend security alerts. The detector is designed to detect Instant-On speed monitoring signals, which may suddenly appear at full power. NOTE You must take appropriate action immediately each time an instant alert is given. SPX900_MANL.indd 18-19 11/21/13 8:31 AMPage 13SpecificationsNothing Comes Close to a Cobra®21UnderstandingRadar and Laser and Maintenance20EnglishYour DetectorYour DetectorLIDAR (Laser)The correct name for the technology that most people refer to as laser is actually lidar, which means Detection Light Detection and RANGing LID.. The detector, tuator works like radar. Its signal extends like a radar signal, though not as widely. Unlike radar, lidar must have a clear line of sight to your target vehicle throughout the measurement interval. Obstructions such as signalling poles, utility poles, tree branches, etc., will prevent valid speed measurement. Some common questions about lidar include:gDoes the weather has any effect on lidar? Yes. Rain, snow, smoke, fog or dust particles in the air will reduce the effective range of lidar and can, if it is dense enough, impede its operation.g Can it operate through glass? Yes. Newer lidar guns can get readings through most types of glass. However, the laser pulse can also be received through the glass to trigger an alarm by your detector.g Can lidar operate while on the move? Lol Because lidar operates by line of sight, can't the person using it drive the vehicle, aim and operate the weapon at the same tiempo.gl legal lidar to use? Yes. It's legal in all 50 states. Maintenance •Maintenance of your radar detectorYour detector is designed and built to give you many years of trouble-free performance without service. No routine maintenance is required. To keep your unit looking as good as new, follow these troubleshooting steps:g Make sure the power cord is properly connected.g Make sure that your vehicle's cigarette lighter socket is clean and corrosion-free.g Make sure the cigarette lighter adapter on the power cord is firmly seated on the cigarette lighter.g Check the fuse on the power cord. (Unscrew the ribbed end cover of the cigarette lighter adapter and examine the fuse. If necessary, with a 2 amp fuse only.) SpecificationsRadar band frequency and band frequencies X Band 10,525 ± 0.050 GHz K Band 24.125 ± 0.125 GHz Ka Band 34,700 ± 1.3 00 GHz Ku Band 13,435 ± 0.035 GHz VG-2 11,500 ± 0.250 GHz Laser 910 ± 50nm 100 PPS 9 10 ± 50nm 125 PPS 910 ± 50nm 130 PPS 910 ± 50nm 200 PPS 910 ± 50nm 238 PPS 910 ± ± 50nm 340 PPS Spectre I 13,300 ± 0.200 GHz Spectre IV/IV+ Not DisclosedSafety Alert 24,070 ± 0.010 GHz GHz Warning 24.110 ± 0.010 GHz System 24.190 ± 0.010 GHz 24,230 ± 0.010 GHz This radar detection is covered by one or more of the following U.S. patents: 5,497,148; 5,594,432; 5,612,685; 6,078,279; 6.094.148. Additional patents may appear within the product or pending. SPX900_MANL.indd 20-21 11/21/13 8:31 AMPage 14Product SupportProductorNot for Product SupportNo approaching a 1-year Cobra®23Warranty22Buy22 (1-year warranty independent of availability •for products purchased in the US). Usa, Cobra.Electronics Corporation warrants that your Cobra Radar/Laser Detectors, and the common parts thereof, will be free from defects in labour and materials for a period of one year from the date of the consumer's first purchase. This war ran ty can be applied by the first consumer pur chas er, pro vid ed that the product is used within the US. But it's not the first time A.Cobra, free of charge, will repair or replace, at its option, fec tive Radar/Laser Detectors, products or parts com po nent to the Cobra Factory Service Department, ac com pa nied by proof of the date of the first pursuit of consumer pur, such as a copy du plic ated of a sales receipt. You must pay any initial shipping charges required to ship the product for warranty service, but return charges will be charged by Cobra, if the product is repaired or replaced under warranty. This warranty gives you specific rights, and you may also have other rights that vary from state to state. Exclusions: This limited warranty does not apply: 1. To any product prey accidentally aged. 2. In case of misuse or abuse of the product or as a result of unchanged alterations or repairs. 3. If the serial number has been altered, disfigured or moved again. 4. If the owner of the product resides outside the U.S. All implied warranties, including mer chant abili ty war ties and suitability for a par tic or lar purpose, have a limited duration to the duration of this warranty. Cobra shall not be liable for any incidental liability, with quen tial u oth er dam ag es; including, without lim i ta tion, damage re sult ing of loss of use or cost in stal la tion. Some states do not allow limitations as to the duration of an implied warranty and/or do not allow the ex clu sion or limitation of incidental prey or with which they are, so the above modifications may not apply to you. Product service •For any questions about the operation or installation of this new Cobra product, or if parts are missing... PLEASE CALL COBRA FIRST... do not return this product to the store. See Customer Support on page A1. If this requires factory service, please call Cobra first at 773-889-3087 BEFORE shipping the product. This will ensure the fastest response time on any repair. If Cobra requests that the product be shipped to its factory, the following must be provided for the product to be repaired and returned:1. Send the entire unit, including the power cord. (It's not to include the mounting bracket.) 2. For warranty repair, include some form of proof of purchase, such as a photocopy or carbon copy of a sales receipt. If you send the original receipt, it cannot be returned.3. Include a written or clearly written description of the problem you are having with your unit, in addition to the name and address where you want the drive back.4. Pack the unit securely to prevent damage during transit. If possible, use the original packaging materials.5. Send prepaid and insured mail using a traceable carrier such as United Parcel Service (UPS), Federal Express, or priority mail secured with delivery confirmation. Shipping to: Cobra Factory Service, Cobra Electronics Corporation, 6500 West Cortland Street, Chicago, IL 60707 U.S.A.6. Please wait three to four weeks before contacting us about the status of your service. Call 773-889-3087 for help. If your unit is under warranty, it will be repaired or replaced upon receipt, depending on the model. If your unit is out of warranty, you will receive a letter informing you of the repair or replacement charge. SPX900_MANL.indd 22-23 11/21/13 8:31 AMPage 15Optional Accessories24Engers Optional Accessories •You can find quality Cobra products and accessories at your local Cobra dealer, or in the U.S., you can order directly from Cobra. View order information on page 25.Windshield mount bracketIncludes ventosasItem a 545-159-N-001Sthe 12V DC power loadIncludes plug and fuseItem to 420-030-N-001Coiled 12V DC Power CordIn Includes plug and fuseItem at 420-026-N-001 Standard port power adapterIncludes adjustable plug (up to 90o) and fuse CLP-2BCustomer element AssistanceSPX900_MANL.indd 24 11/21/13 8:31 AM AM

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