Accessories Guide

VEHICLE-MOUNTED COMPUTERS

VH10

VC80

VC70

VEHICLE-MOUNTED COMPUTERS
Accessories Guide

VH10

VC80
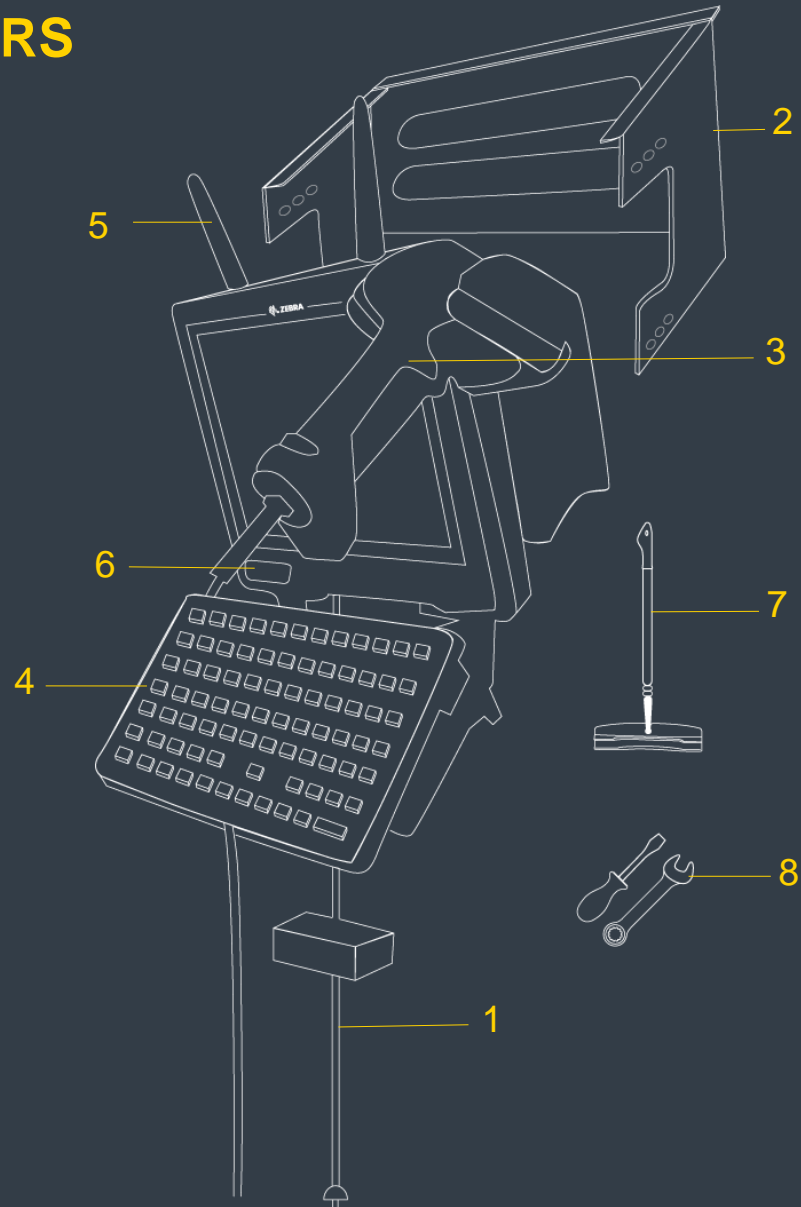
VC70

![ZEBRA logo]

ACCESSORIES GUIDE

The Zebra Technologies portfolio of accessories extends the capabilities of your **VH10**, **VC80** or **VC70**, and enables you to lower the cost of ownership of your Zebra mobile computer.

This simple step-by-step guide is designed to assist you with the selection of your accessories based on your needs and use of the computers.

# VEHICLE-MOUNTED COMPUTERS INSTALL ILLUSTRATION

| STEP	ACCESSORY	SLIDE
1	Power Supplies & Cables	5-13
2	Mounts	14-17
3	Scanners	18-20
4	Keyboards	21-23
5	Antennas	24-26
6	Voice	27-28
7	Miscellaneous	29-30
8	Service Parts	31-32

STEP 1: POWER SUPPLIES AND CABLES 🔌

CHOOSE FROM MULTIPLE INSTALLATION CASES:

- PLUG INTO AN AC WALL OUTLET

  - **VC70, VC80 OR VH10** ———— SLIDE 6

- PLUG INTO THE VEHICLE'S DC POWER

  - **VC70** ———— SLIDE 7-9
  - **VH10 OR VC80** ———— SLIDE 10-14

POWER CABLE

25-159550-01

PWRS-14000-241R

23844-00-00R
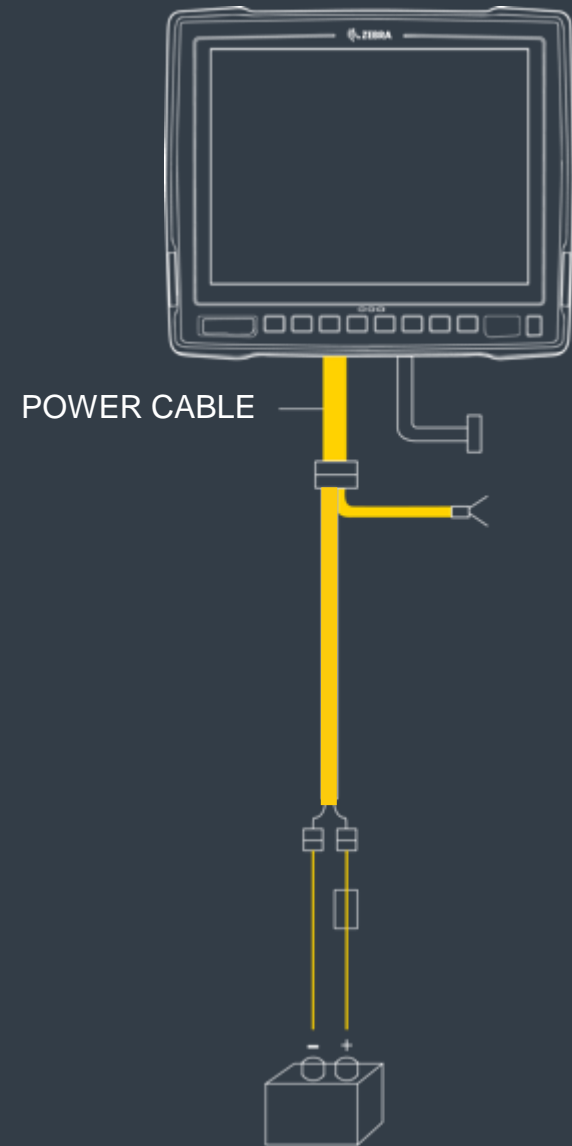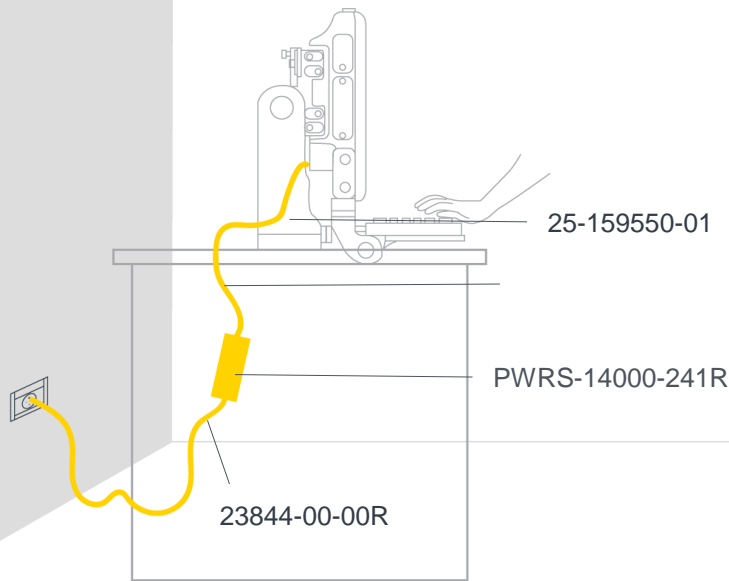
VH10 **VC70** **VC80**

VC70, VC80 OR VH10	POWERED BY PLUGGING INTO AN AC WALL OUTLET	VH10	VC70	VC80
AC POWER CABLE | **ID:** 23844-00-00R US AC line cord, 7.5 feet long, grounded, three wire for power supplies PWRS-14000-148R, PWRS-14000-148C, PWRS-14000-241R, and PWRS-0102246H51R. Associated Countries: United States.		●	●	●
AC POWER SUPPLY for VC70 | **ID:** PWRS-14000-241R Order country specific 3 wire grounded AC line cord separately.			●	
AC POWER SUPPLY ADAPTER CABLE for VC70 | ID: 25-159550-01 6.5', required when the PWRS-14000-241R is used.			●	
AC POWER SUPPLY for VH10 and VC80 | **ID:** PS1450 100/240 VAC Power Supply, 18V, 3.3A, order AC cable separate		●		●
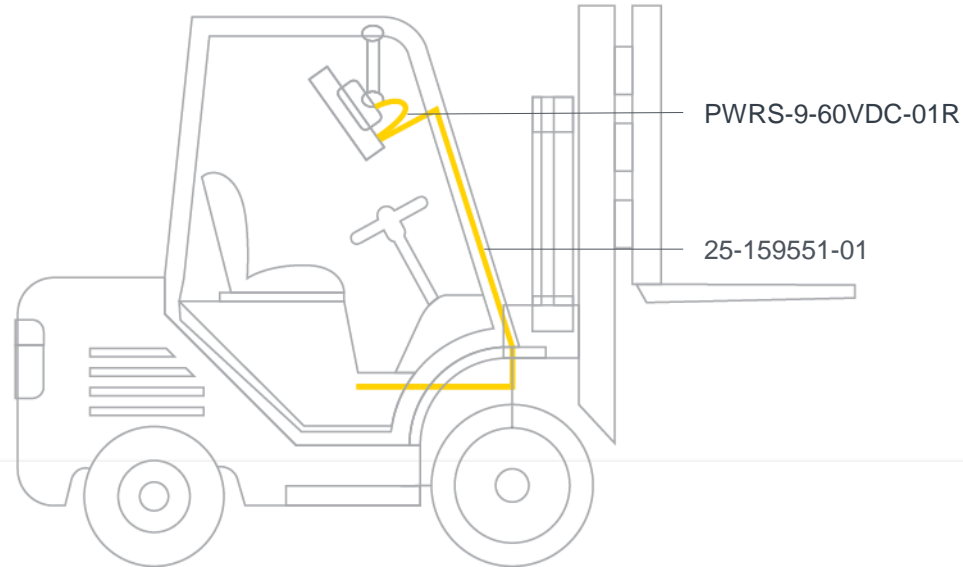
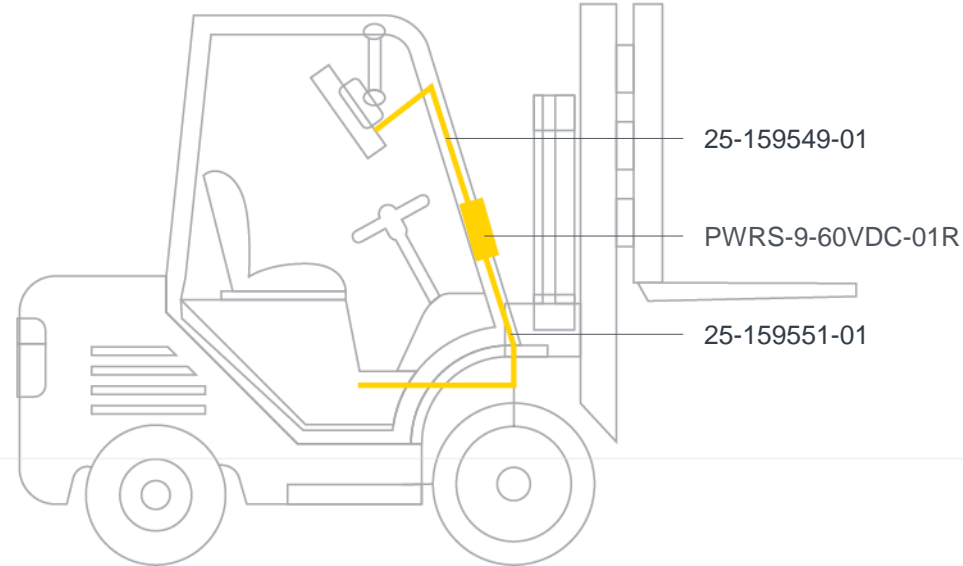| VC70	VEHICLE MOUNT (DC POWER SUPPLY MOUNTED ON THE VC70)

DC POWER SUPPLY | ID: PWRS-9-60VDC-01R
External DC Power supply,VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery

DC POWER CABLE | ID: 25-159551-01
Cable, external 9-60V DC power supply to vehicle battery, 10', includes fuse, VC70. Required for the PWRS-9-60VDC-R

Buy both

25-159549-01

PWRS-9-60VDC-01R

25-159551-01

VC70	VEHICLE MOUNT (DC POWER SUPPLY NOT MOUNTED ON THE VC70)

EXTENSION CABLE | ID: 25-159549-01

Cable, external power supply to VC70 extender. 6.5', VC70. Required when the PWRS-9-60VDC-01R is not mounted on the back of the VC70.

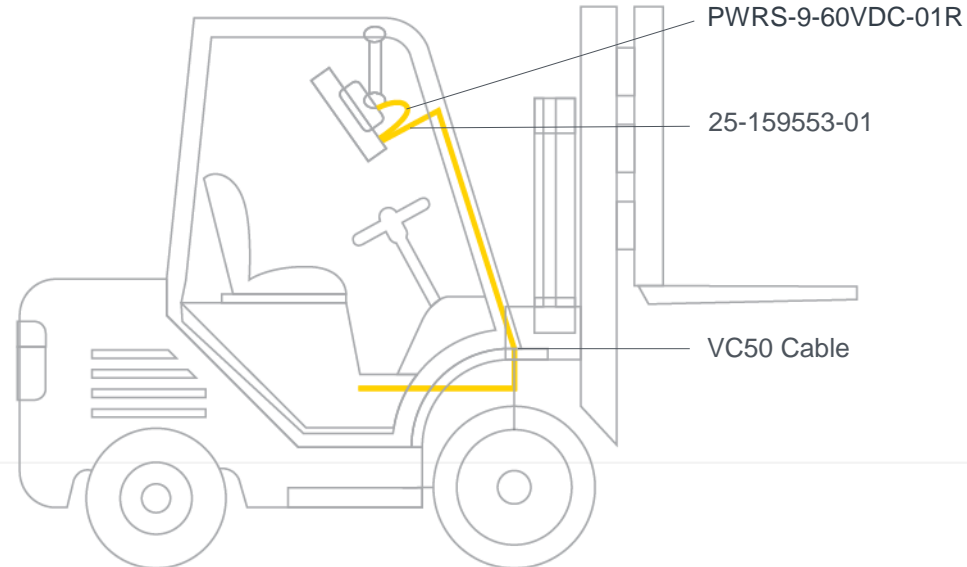**DC POWER SUPPLY | ID:** PWRS-9-60VDC-01R

External DC Power supply,VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery

DC POWER CABLE | ID: 25-159551-01

Cable, external 9-60V DC power supply to vehicle battery, 10', includes fuse, VC70. Required for the PWRS-9-60VDC-R

Buy all of these

PWRS-9-60VDC-01R

25-159553-01

VC50 Cable

VC70	VEHICLE MOUNT (WHEN REPLACING THE VC50 AND REUSING THE VC50 DC POWER CABLE)

Buy both

DC POWER SUPPLY | ID: PWRS-9-60VDC-01R
External DC Power supply, VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery

POWER ADAPTER CABLE | ID: 25-159553-01
Cable, external power supply to existing VC5090 power cable (25-71919-03R or 25-71919-04R), includes fuses, 2', VC70
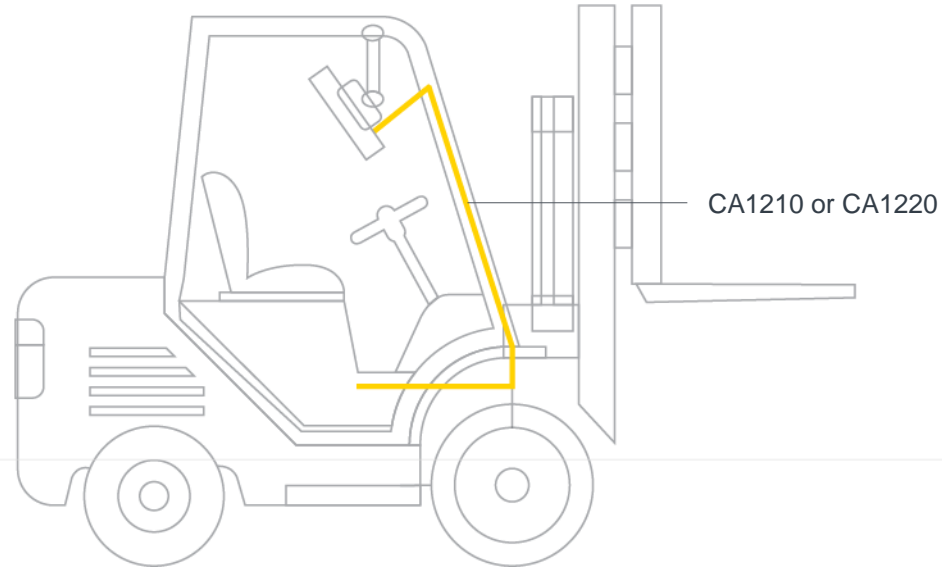
CA1210 or CA1220

VH10 OR VC80	VEHICLE MOUNT (POWER SUPPLY IS INSIDE THE COMPUTER)

Pick one

DC POWER CABLE | ID: CA1210
Power Extension Cable, DC, 6', waterproof

DC POWER CABLE | ID: CA1220
Power Extension Cable DC, 6', waterproof - Includes Screen Blanking feature
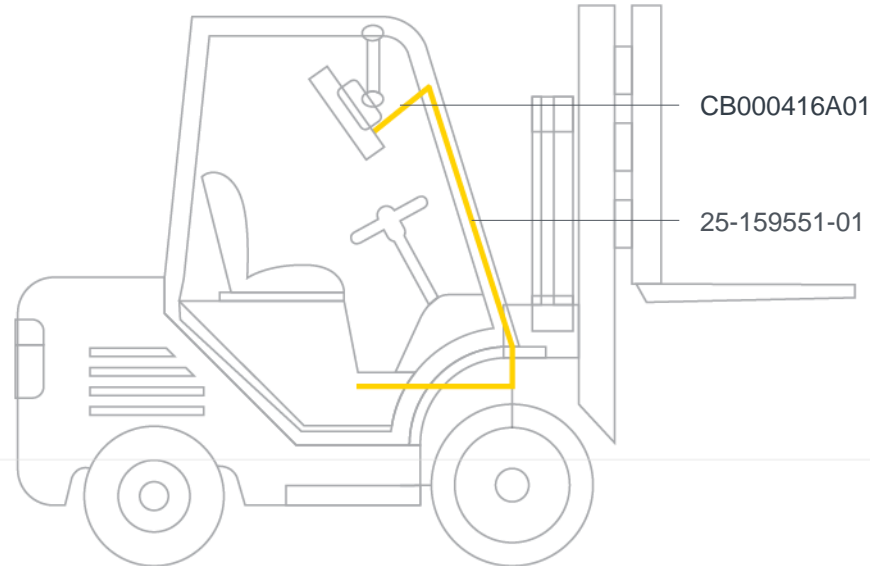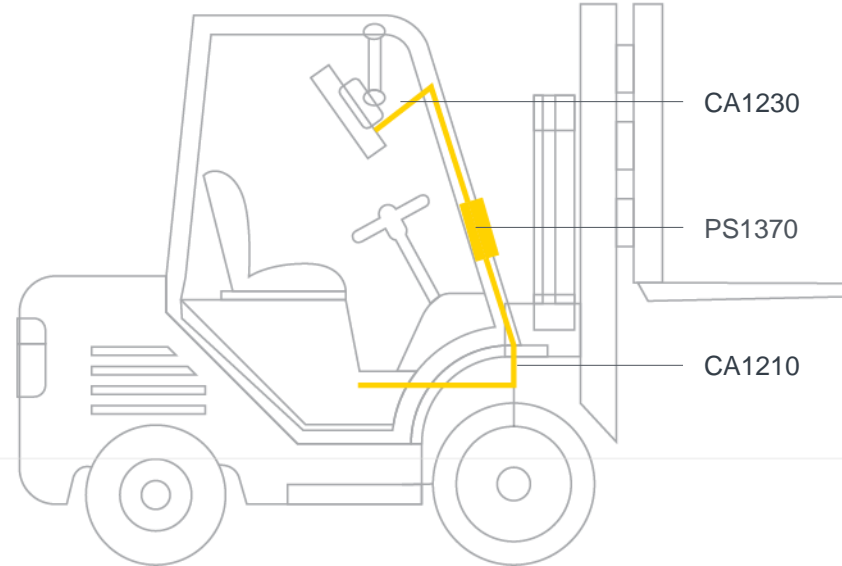
CB000417A01

VC50 Cable
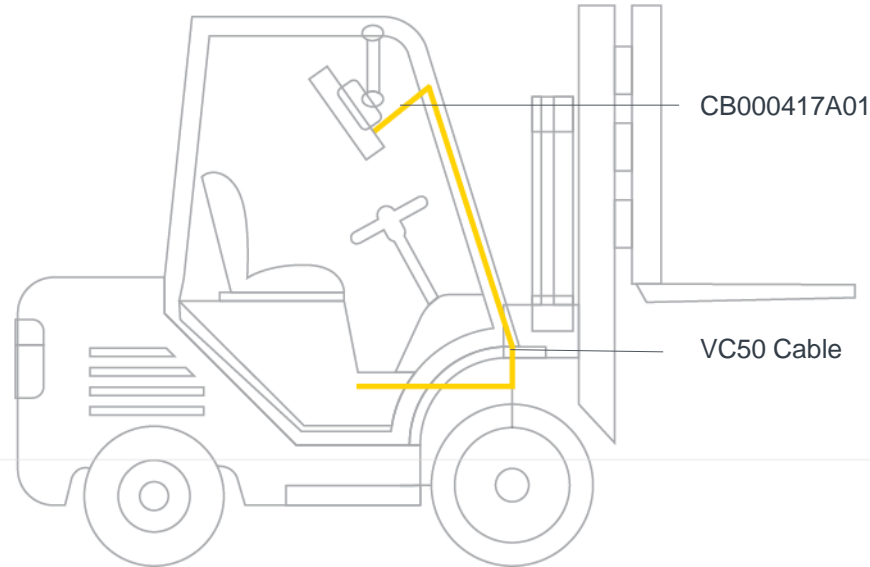
VH10 OR VC80	VEHICLE MOUNT (WHEN REPLACING VC50 AND REUSING THE VC50 DC POWER CABLE)

POWER ADAPTER CABLE | ID: CB000417A01
DC Power Adapter to VC50

CB000416A01

25-159551-01

VH10 OR VC80	VEHICLE MOUNT (WHEN REPLACING VC70 AND REUSING THE VC70 DC POWER CABLE)

POWER ADAPTER CABLE | ID: CB000416A01
DC Power Adapter to VC70

CA1230

PS1370

CA1210

VH10 OR VC80	VEHICLE MOUNT (WITH PRE-REGULATOR TO DECREASE VOLTAGE - FOR TRUCKS WITH BATTERIES GREATER THAN 48V)

Buy all three

DC POWER CABLE | ID: CA1230
DC Power Adapter to VC70

PRE-REGULATOR | ID: PS1370
Cable, external 9-60V DC power supply to vehicle battery, 10', includes fuse, VC70. Required for the PWRS-9-60VDC-R

DC POWER CABLE | ID: CA1210
Power Extension Cable, DC, 6', waterproof

STEP 2: MOUNTS 🔩

YOUR MOUNTING OPTIONS DEPEND ON YOUR COMPUTER.

FOR THE VH10 AND VC80 ——— SLIDE 15
CHOOSE BETWEEN THE FOLLOWING:

- RAM MOUNT
- QUICK-RELEASE MOUNT
- AN ADAPTER BRACKET FOR 82XX MOUNTS

FOR THE VC70, CHOOSE ONE: ——— SLIDE 16

- RAM MOUNT
- U MOUNT
- ADAPTER BRACKET FOR VC50 MOUNT

YOU CAN ALSO SELECT A RAM FIXED ——— SLIDE 17
MOUNT BASED ON YOUR VEHICLE THAT
WORKS WITH THE VH10, VC70 AND VC80.

PLATE

ARM

BASE

Base

Quick Release Mount
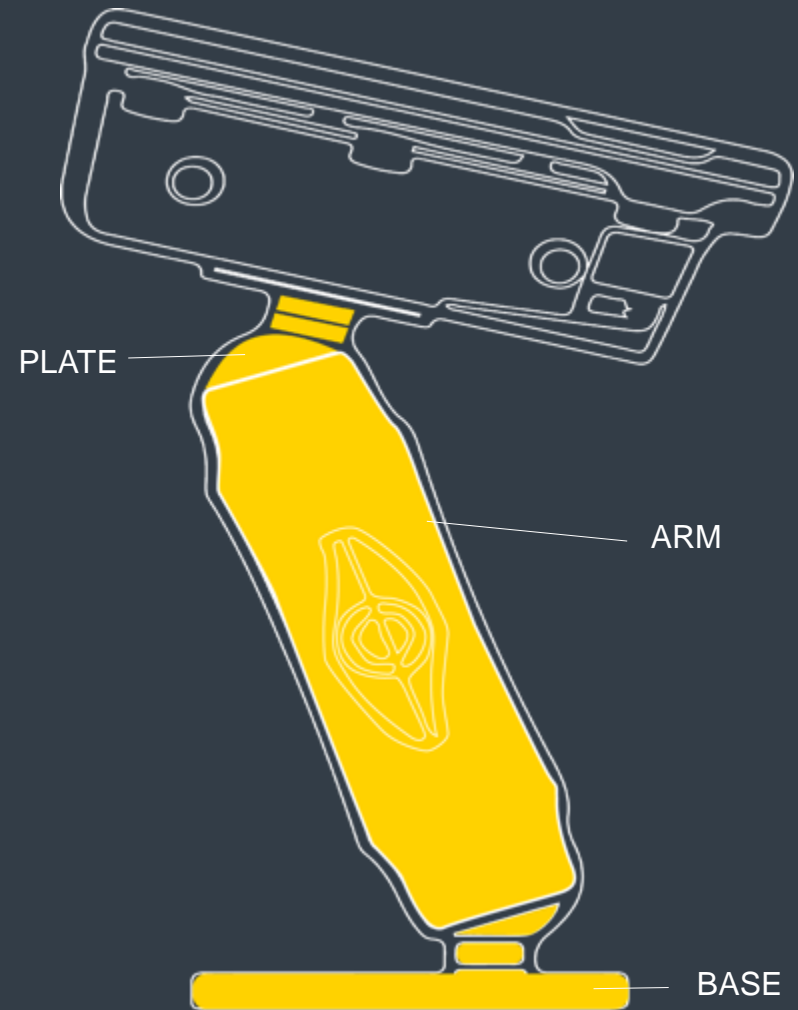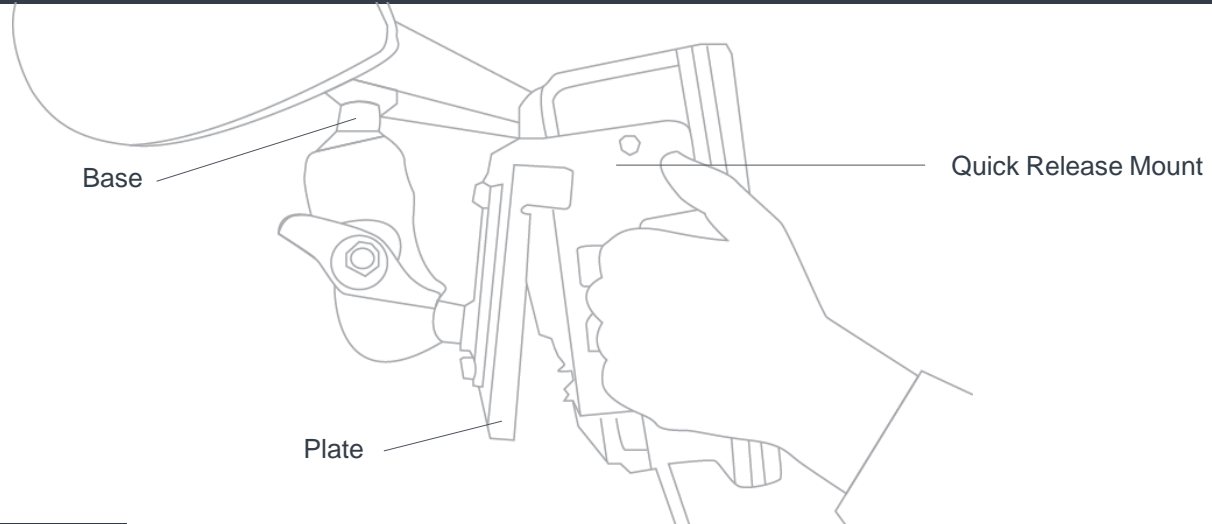
Plate

FOR THE VH10 OR VC80	DO YOU NEED A RAM MOUNT, A QUICK RELEASE MOUNT, OR ADAPTERS TO OLD 82XX MOUNTS?

QUICK RELEASE MOUNT | **ID:** MT4200
Quick release mount. Attaches to the side of the computer and includes Mounting Plate (MT4205) that attaches to forklift.

PLATE | **ID:** MT4205
Mounting plate for MT4200, Quick Release Mount, needed if you have one computer for multiple trucks

ADAPTER BRACKET | **ID:** MT4210
Adapter bracket kit for the older 82XX mounts

PLATE | **ID:** MT3501
VESA plate (for 4" or 12" RAM arm), Can also be attached to Quick Release Mount Plate (MT4205)

BASE | **ID:** MT4510
RAM 2"x3" rectangular base with 2.25" rubber ball. Can be attached directly to VH10 and VC80
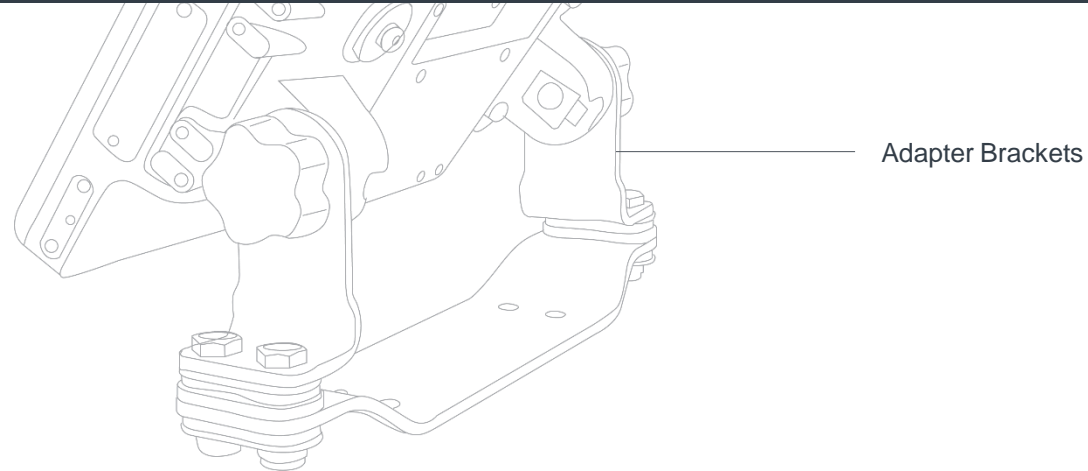
Adapter Brackets

FOR THE VC70	DO YOU NEED A RAM MOUNT, AN U MOUNT, OR ADAPTER BRACKETS TO THE VC50 U MOUNT?

RAM MOUNT | **ID:** RAM-D-2461U-MOTO7
RAM bridge with RAM-D-2461U RAM MOUNT, D (2.25"") size ball with screws. Including screws to mount the PWRS-9-60VDC-01R External DC Power Supply. Used when replacing equipment already mounted with RAM mounts

RAM MOUNT | **ID:** RAM-D-2461U-MOTO7B
RAM-D-2461U RAM MOUNT, D (2.25"") size ball with screws. Used when the PWRS-9-60VDC-01R External DC Power Supply has to be mounted away or when AC power supply is used. Used when replacing equipment already mounted with RAM mounts

U MOUNT | **ID:** KT-U-MOUNT-VC70-R
U mount, VC70, with mounting hardware

ADAPTER BRACKET | ID: KT-VC50ARM3-VC70-R
2 mount adapter arms for VC50 bracket, 3.5", with bolds

ADAPTER BRACKET | ID: KT-VC50ARM7-VC70-R
2 mount adapter arms for VC50 bracket, 7", with bolds

VC70, VC80 & VH10	DEPENDING ON THE VEHICLE, BELOW ARE THE RAM FIXED MOUNTING OPTIONS TO THE COMPUTER AND/OR THE VEHICLE.

ARM | ID: MT4301
RAM mount, 4" arm

ARM | ID: MT4302
RAM mount, 12" arm

PLATE | ID: MT3501
VESA plate (for 4" or 12" RAM arm), Can also be attached to Quick Release Mount Plate (MT4205)

PLATE | ID: MT3502
Round plate (for 4" or 12" RAM arm), Uses smaller footprint than MT3501 VESA Plate

BASE | ID: MT3505
Clamp base (for 4" or 12" RAM arm), 2" max. width

BASE | ID: MT3507
Clamp base (for 4" or 12" RAM arm), 3" max. width

BASE | ID: MT3509
Rail base (for 4" or 12" RAM arm), 1-1/4" to 1-7/8"

BASE | ID: MT3510
Rail base (for 4" or 12" RAM arm), 2" to 2 1/2"

BASE | ID: MT4510
RAM 2"x3" rectangular base with 2.25" rubber ball
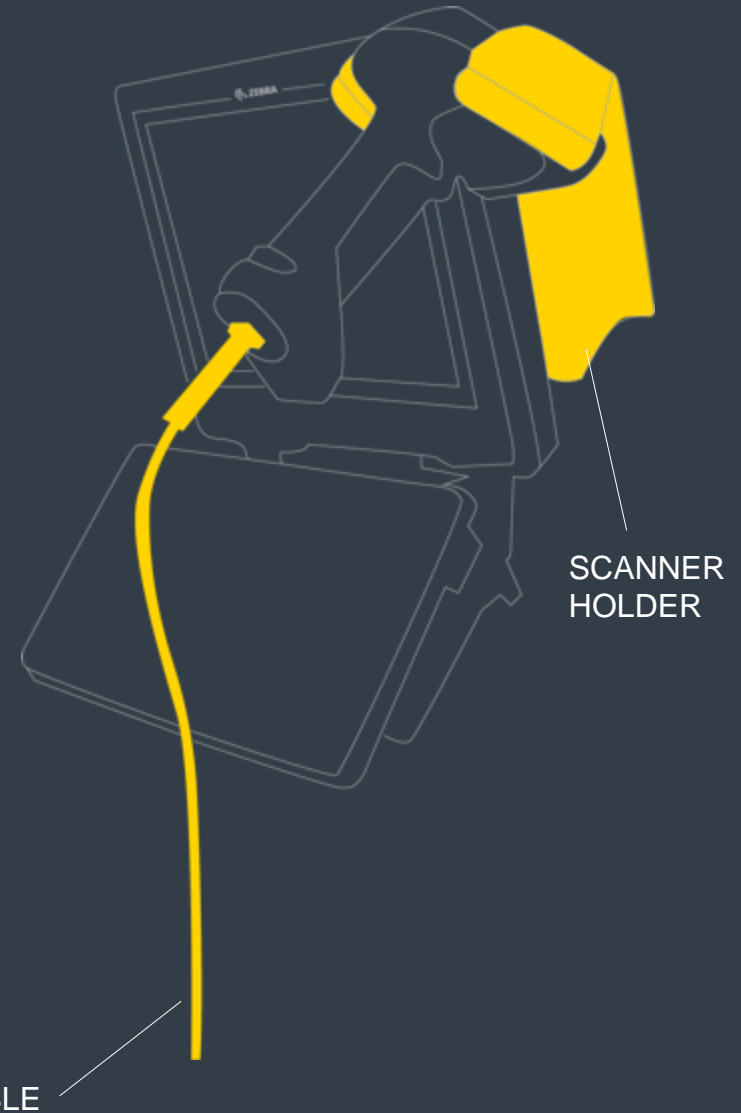
![Zebra logo]

STEP 3: SCANNERS 🔫

WHEN SHOPPING FOR SCANNER CABLES, CHOOSE BETWEEN COILED OR STRAIGHT FOR YOUR SCANNER AND BETWEEN A RS232 OR USB PLUG.

SCANNER CABLES FOR **DS36XX** ——— SLIDE 19

SCANNER CABLES FOR **LS/DS 34XX/35XX** ——— SLIDE 19

SCANNER HOLDERS INCLUDE ——— SLIDE 20

- UNIVERSAL OPTIONS
- SOLUTIONS FOR LS34X8ER AND LS35X8ER
- THERMOTRAZ HEATED

SCANNER HOLDER

SCANNER CABLE

		VH10	VC70	VC80
DS36XX	**SCANNER CABLES**			
	RS232 **| ID:** CBA-RF3-C09ZAR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD on 2, True Converter, -30C		●	
	SHIELDED USB | **ID:** CBA-UF2-C12ZAR Cable - Shielded USB: Series A Locking Connector for VC70, 12', Coiled, -30C		●	
	RS232 **| ID:** CBA-R71-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled, Power Pin 9	●		●
	RS232 **| ID:** CBA-RF2-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled, Power Pin 9, -30C	●		●
	SHIELDED USB | ID: CBA-U46-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Straight, BC 1.2	●		●
	SHIELDED USB | ID: CBA-U47-S15ZAR Cable - Shielded USB: Series A Connector, 15ft. (4.6m), Straight, BC 1.2	●		●
	SHIELDED USB | ID: CBA-UF1-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Straight, BC 1.2, -30C	●		●
LS/DS 34XX/35XX	**SCANNER CABLES**			
	SHIELDED USB | **ID:** 25-159548-01 Cable - Shielded USB: Series A Locking Connector for VC70, 12', Coiled, -30C		●	
	RS232 **| ID:** CBA-R46-C09ZBR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD on 2, True Converter		●	
	RS232 **| ID:** CBA-R49-C09ZAR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD on 2, True Converter, Low Temp -30C		●	
	RS232 **| ID:** CBA-R37-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled, Power Pin 9	●		●
	USB **| ID:** CBA-U09-C15ZAR Cable - USB: Series A Connector, 15ft. (4.6m) Coiled	●		●
	SHIELDED USB | ID: CBA-U01-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Straight, BC 1.2	●		●
	SHIELDED USB | ID: CBA-U10-S15ZAR Cable - Shielded USB: Series A Connector, 15ft. (4.6m), Straight, BC 1.2	●		●
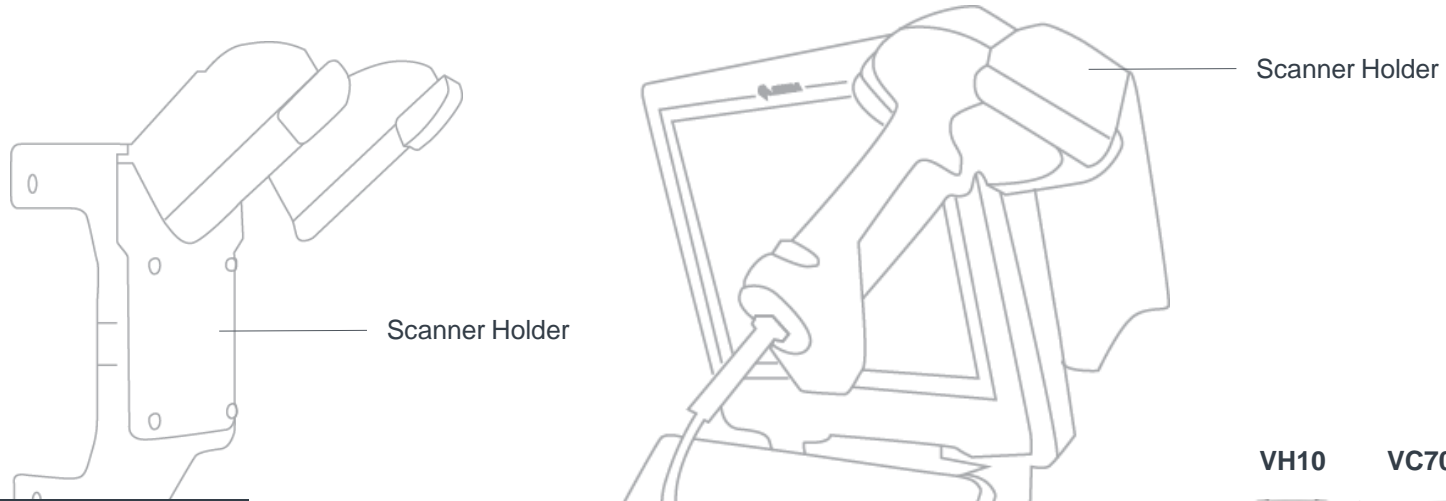
Scanner Holder

Scanner Holder

		VH10	VC70	VC80
SCANNER HOLDERS				
	**SCANNER HOLDER	ID:** KT-SCANMNT-VC70-R Mounting holder for the scanner. For LS34x8ER, LS35x8ER. Requires KT-ACCMNT-VC70-R Accessory side mount bracket		●	
	**ACCESSORY MOUNT	ID:** KT-ACCMNT-VC70-R Accessory side mount bracket		●	
	**SCANNER HOLDER	ID:** 9008951 Thermotrax heated scanner holder with cable management system, 12 Volt, for LS/DS 34xx / 35xx	●	●	●
	**SCANNER HOLDER	ID:** 9008953 Thermotrax heated scanner holder with cable management system, 36-48 Volt, for LS/DS 34xx / 35xx	●	●	●
	**SCANNER HOLDER	ID:** 9008952 Thermotrax heated scanner holder with cable management system, 24 Volt, for LS/DS 34xx / 35xx	●		●
	**SCANNER HOLDER	ID:** KT-SCANMNT-VC80-R Side mounted holder for scanner	●		●

STEP 4: KEYBOARDS

WHILE THE VH10 HAS A BUILT-IN KEYBOARD, THE VC70 AND VC80 GIVE YOU MULTIPLE OPTIONS.

VC80 KEYBOARDS ——— SLIDE 21

VC70 KEYBOARDS ——— SLIDE 22
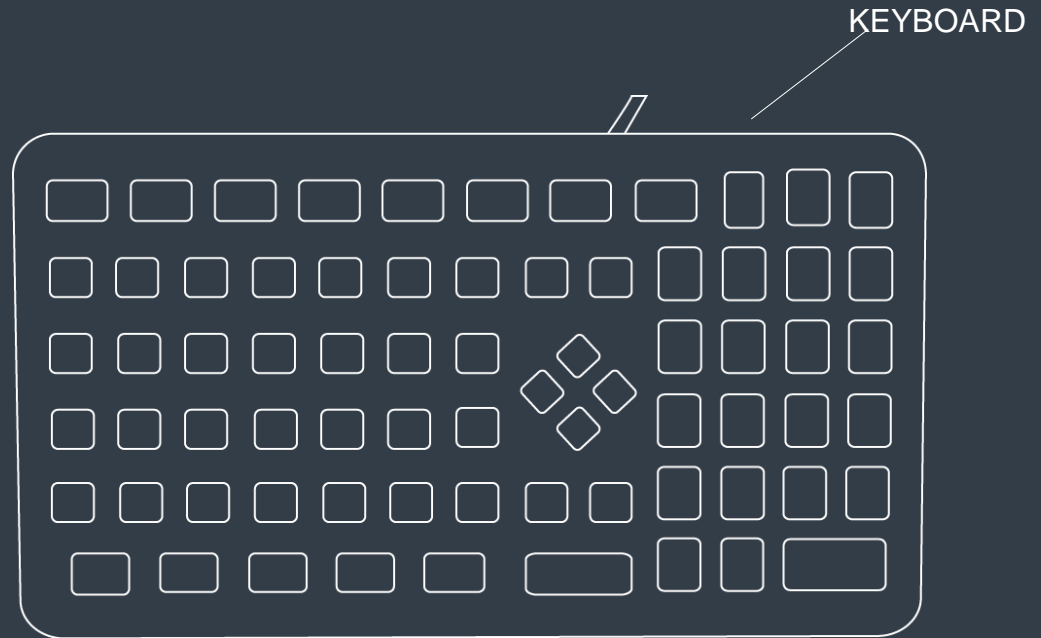
KEYBOARD

Keyboard

| **VC80**	**KEYBOARDS AND MOUNTING OPTIONS**
	KEYBOARD **| ID:** 9010376 iKey Keyboard, English, backlight, USBCable - RS232: DB9 Female Connector, 9ft. (2.8m) Coiled, Power Pin 9, TxD
	KEYBOARD **| ID:** 9010377 iKey Keyboard, English, color, USB
	KEYBOARD **| ID:** SLK-101-M-USB-3F iKey Keyboard, 101 keys (12 Function keys), large numeric pad, backlight, USB
	MOUNTING TRAY **| ID:** KT-KYBDTRAY-VC80-R Keyboard mounting tray. Includes tilting arms, knobs and screws. For all iKey keyboards.
	SIDE MOUNT **| ID:** KT-KYBDMNT-VC80-R Function/Numeric keypad side mount bracket

VC70 — KEYBOARDS AND MOUNTING OPTIONS

KEYBOARD KIT | ID: KT-KYBDAZ-VC70-04R
"Keyboard, AZERTY, 65-key Backlit, IP66, secured USB-A, VC70. This bundle includes KT-KYBDTRAY-VC70-R mounting tray with its tilting arms, knobs and screws and protection grill KT-KYBDGRL1-VC70-R.

KEYBOARD KIT | ID: KT-KYBDNU-VC70-04R
"Keypad, Numeric, 21-key Backlit, IP66, secured USB-A, VC70. This bundle includes the KT-KYBDMNT-VC70-R keypad mounting bracket and protection grill KT-KYBDGRL2-VC70-R."

KEYBOARD KIT | ID: KT-KYBDQW-VC70-04R
"Keyboard, QWERTY, 65-key Backlit, IP66, secured USB-A, VC70. This bundle includes KT-KYBDTRAY-VC70-R mounting tray with its tilting arms, knobs and screws and protection grill KT-KYBDGRL1-VC70-R."

KEYBOARD | ID: KYBD-AZ-VC70-03R
"Keyboard, AZERTY, 65-key Backlit, IP66, secured USB-A, VC70 bundled with protection grill KT-KYBDGRL1-VC70-R.
Requires KT-KYBDTRAY-VC70-R mounting tray."

KEYBOARD | ID: KYBD-NU-VC70-03R
"Keypad, Numeric, 21-key Backlit, IP66, secured USB-A, VC70 bundled with protection grill KT-KYBDGRL2-VC70-R.
Requires the KT-KYBDMNT-VC70-R keypad mounting bracket"

KEYBOARD | ID: KYBD-QW-VC70-03R
"Keyboard, QWERTY, 65-key Backlit, IP66, secured USB-A, VC70 bundled with protection grill KT-KYBDGRL1-VC70-R.
Requires KT-KYBDTRAY-VC70-R mounting tray"

KEYBOARD | ID: KT-KYBDTRAY-VC70-R
QWERTY/AZERTY Keyboard mounting tray. Includes tilting arms, knobs and screws.

KEYBOARD | ID: KT-KYBDMNT-VC70-R
Function/Numeric keypad side mount bracket

STEP 5: ANTENNAS 📶

YOUR OPTIONS OF ANTENNAS ARE WIDE: —————— SLIDE 25

- WIFI – **VC70, VC80 & VH10**
- NARROWBAND – **VH10 ONLY**
- GPS – **VC80 ONLY**
- RIGHT-ANGLE ADAPTER FOR INSTALLATIONS WITH LITTLE OVERHEAD SPACE – **VC70, VC80 & VH10**

WHIP ANTENNA
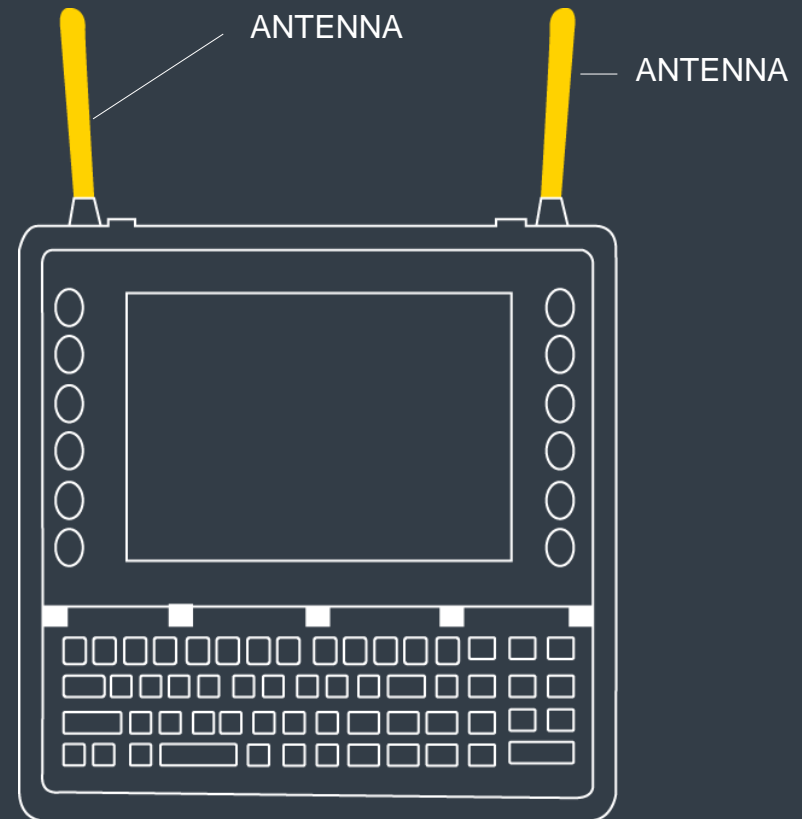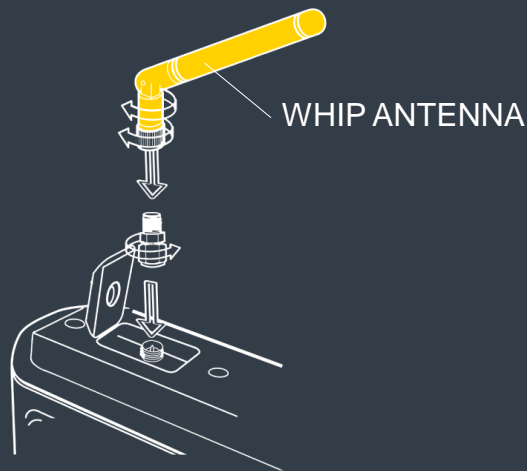
ANTENNA

ANTENNA

HERE'S A LIST OF ANTENNAS AND CONNECTIVITY FOR YOU TO CHOOSE FROM

ALL VCS	ANTENNAS & CONNECTIVITY FOR WIFI
	ANTENNA | ID: 20667-002 Whip antenna (stubby), 802.11 b/g - dipole 2 dBi reverse polarity SMA connector Antenna, dual band, 802.11 a/b/g/n, 2 dBi, RPSMA connector, magnetic mount, 2.9m, WiFi
	ANTENNA | ID: AN2010 Antenna, dual band, 802.11 a/b/g/n, 2 dBi, RPSMA connector, magnetic mount, 2.9m, WiFi
	ANTENNA | ID: AN2020 Antenna, dual band, 802.11 a/b/g/n, 2 dBi, RPSMA connector, magnetic mount, 2.9m, WiFi
	ANTENNA | ID: AN2030 Whip antenna (stubby), dual band, 802.11 a/b/g/n, 2.4GHz 2dBi, 5GHz 3.7 dBi, RPSMA connector, WiFi

VC70	ADAPTERS FOR VC70 TO ATTACH EXTERNAL WIFI ANTENNAS WITH RPSMA CONNECTOR
	ADAPTER | ID: RPSMA-RTRPSMA-05R ANTENNA ADAPTER RPSMA - RTRPSMA, 5-PACK, Required for the VC70 WiFi Antennas
	ADAPTER | ID: RPSMA-RTRPSMA-10R ANTENNA ADAPTER RPSMA - RTRPSMA, 10-PACK, Required for the VC70 WiFi Antennas
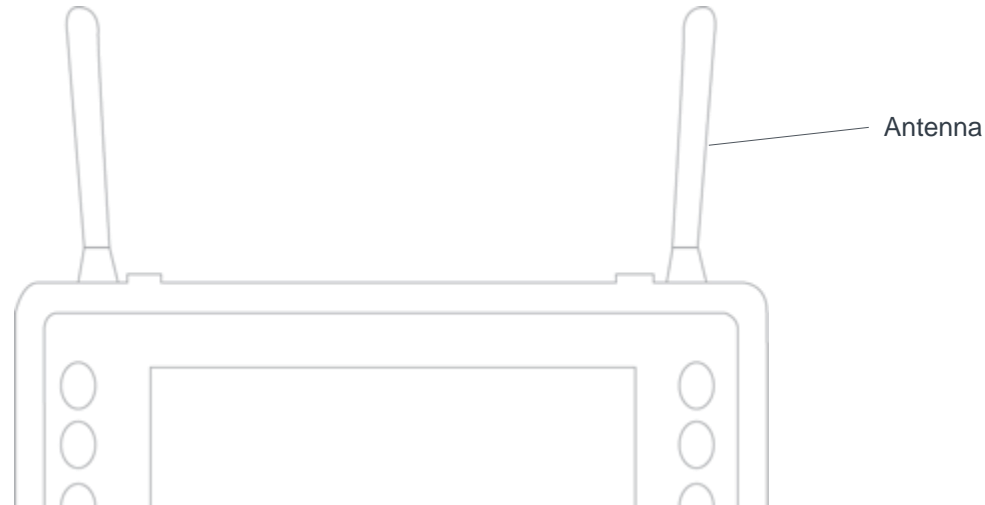
Antenna

VH10	ANTENNAS & CONNECTIVITY FOR NARROWBAND
	ANTENNA | ID: 9009801 Antenna, Narrow Band 1/4 wave, 406-512 MHz 6" NB
	MOUNT | ID: 9009792 Mount, Magnetic, for Narrowband, antenna, SMA, 12' cable
VC80	**ANTENNA FOR GPS**
	ANTENNA | ID: RPSMA-RTRPSMA-05R GNSS antenna, magnetic mount, 2.9 m cable
ALL VCS	**ALSO AVAILABILE IS A RIGHT ANGLE ADAPTER FOR INSTALLATIONS WITH LITTLE SPACE OVERHEAD, ALL VCS**
	RIGHT ANGLE ADAPTER | ID: AR1000 Right Angle SMA reverse polarity plug-jack Adapter

STEP 6: VOICE 🎤

SELECT FROM TURNKEY KITS OR
VOICE ACCESSORIES À LA CARTE.

YOUR VOICE OPTIONS ——— SLIDE 28

• VOICE

SPEAKER/MIC

SPEAKER

VOICE		VH10	VC70	VC80
MICROPHONE KIT | ID: KT-MIC-01R This bundle includes the VC70 External PTT mic, the Motorola HMN1089B Water-resistant Palm Microphone or equivalent and the KT-ACCMNT-VC70-R Accessory Side mount bracket.			●	
MICROPHONE | ID: HMN1089B Push-To-Talk Hand Microphone, GCAI connector, Water Resistant			●	
SIDE MOUNT | ID: KT-ACCMNT-VC70-R Accessory Side mount bracket			●	
SPEAKER KIT | ID: KT-SPKR-01R This bundle includes the External speaker, the Motorola HSN4039A 13 Watt water-resistant loudspeaker and the 25-159552-01 VC70 external speaker adapter cable.			●	
SPEAKER | ID: HSN4040A External speaker, Motorola HSN4040A 13 Watt water-resistant loudspeaker. Requires 25-159552-01			●	
INTERFACE CABLE | ID: 25-159552-01 Speaker cable adapter, for HSN4040A, VC70. Required to connect the HSN4040A external speaker.			●	
SPEAKER/MIC | ID: M1000 Speaker/Mic with push-to-talk function		●		●

STEP 7: MISCELLANEOUS

DON'T FORGET TO CONSIDER THESE: —— SLIDE 30

- STYLUS
- SCREEN PROTECTOR
- CAN BUS CABLE
- USB TO ETHERNET ADAPTER

STYLUS
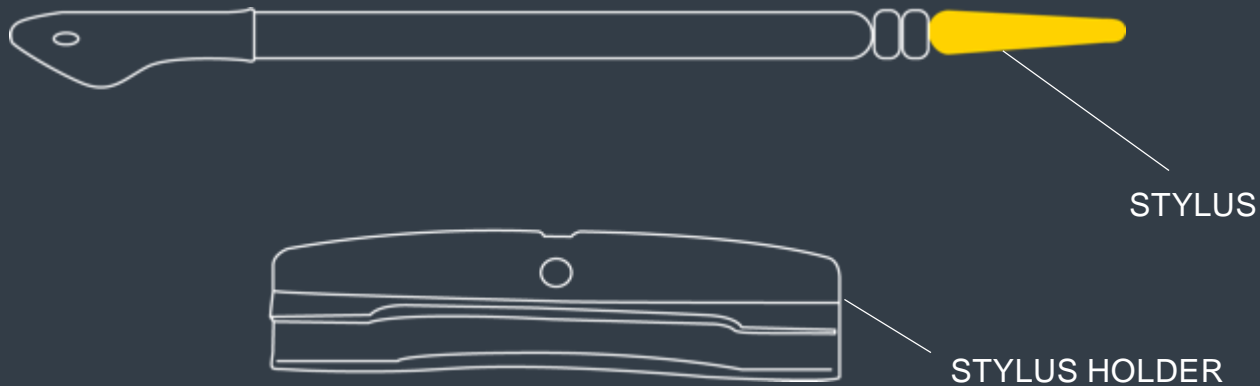
STYLUS HOLDER

| MISCELLANEOUS		VH10	VC70	VC80
ID: SL0001 Stylus and Stylus Holder		●	●	●
ID: VA6200 Screen Protector Pack of 3		●		
ID: KT-SPRTCT-VC70-05R Screen Protector Pack of 5			●	●
ID: CA1300 Screen blanking cable (DB9 to open wires)		●		●
ID: CB-000433-01 CAN Bus Cable (RJ45 to Deutsch)				●
ID: WA4070 USB to Ethernet Adapter		●		
ID: 25-159547-01 Cable DB15M to DB9M, for COM2			●	

STEP 8: SERVICE PARTS

STOCK UP ON THESE ESSENTIAL SPARE PARTS: — SLIDE 32

- TOOL KIT
- KEYPADS
- TOUCH SCREENS
- SPARE BATTERY
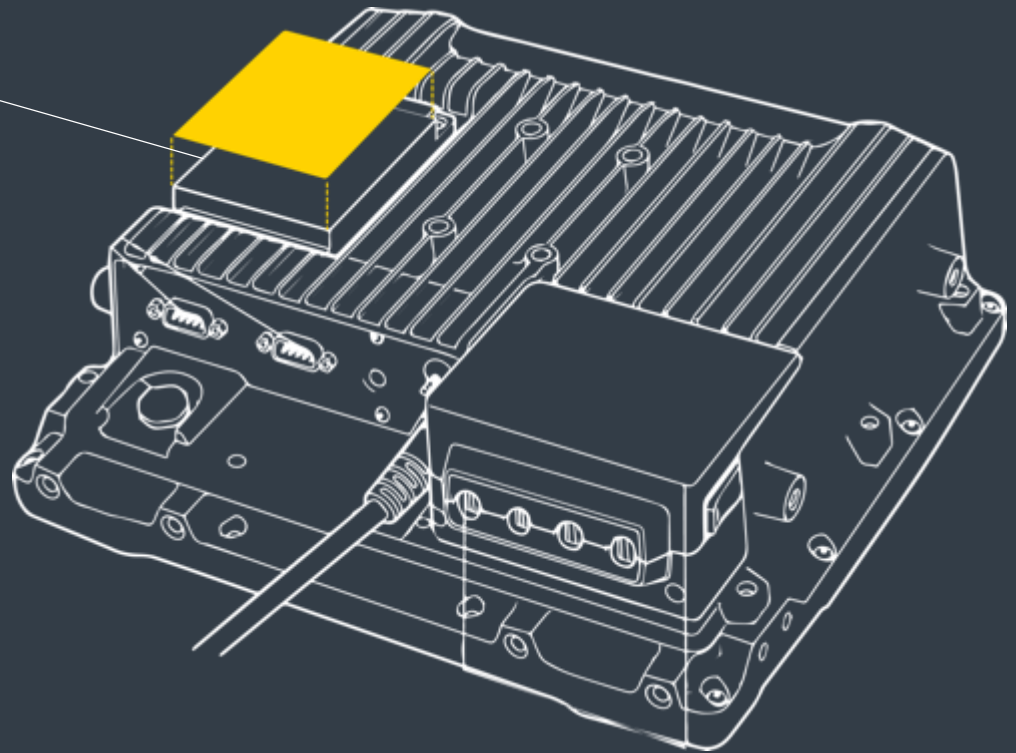
SERVICE PARTS

		VH10	VC70	VC80
	ID: AL1001 QWERTY Keypad	●		
	ID: AL1002 AZERTY Keypad	●		
	ID: AL2002 Front with standard touch screen and function keys	●		
	ID: AL2002 Front with heated touch screen and function keys	●		
	ID: ST2000 **| TOOL BOX** Modular Services Kit	●		●
	ID: KT-VC80-BTRY1-01 Spare Battery			●
	ID: KT-VC80-SCRH1-01 Front with Touch Screen (heated)			●
	ID: KT-VC80-SCRN1-01 Front with Touch Screen (non-heated)			●
	ID: BTRY-VC70IAB00 Spare Battery		●	