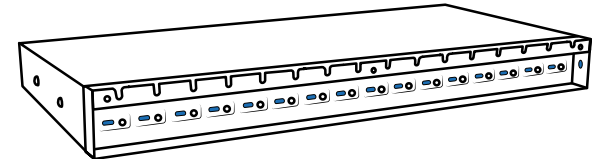
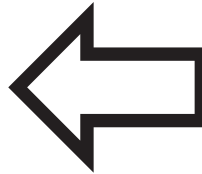
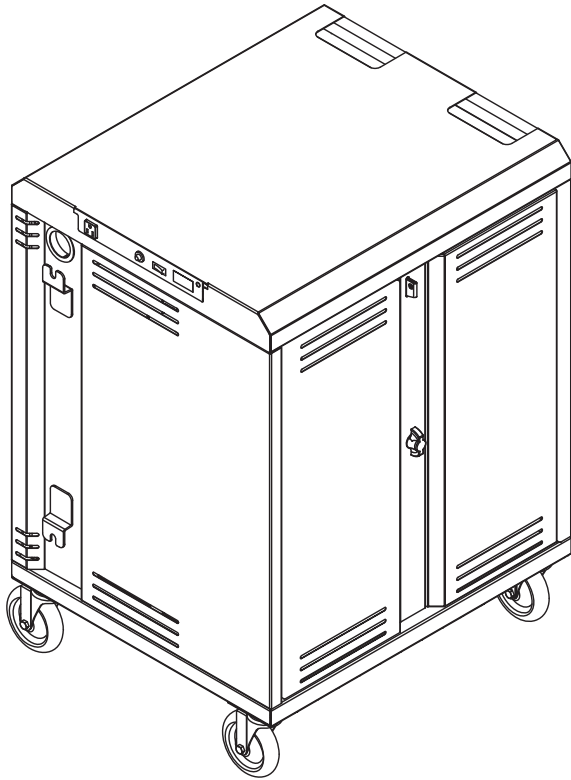


# Connect18™ / Connect36™ Upgrade to 16 / 32 USB-C



Quick-Sense USB-C Charging  
Hubs eliminate AC adapters  
and the hassle of wiring carts.

## REB-SCO36 Retrofit Bundle Installation Guide for 16-Port Quick-Sense USB-C Charging Hub(s) into a Spectrum Industries Inc.™ Connect36™ Cart

### Version A

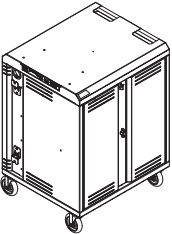
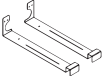




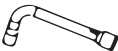





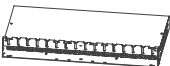
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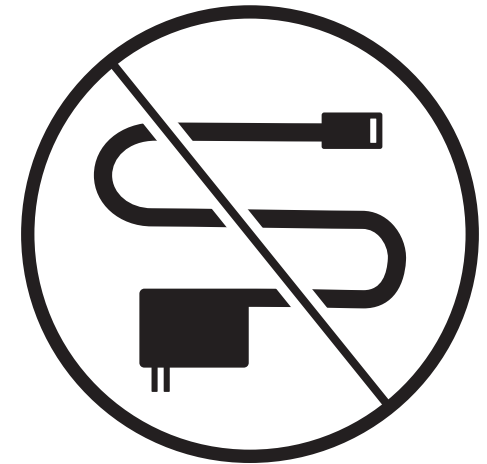
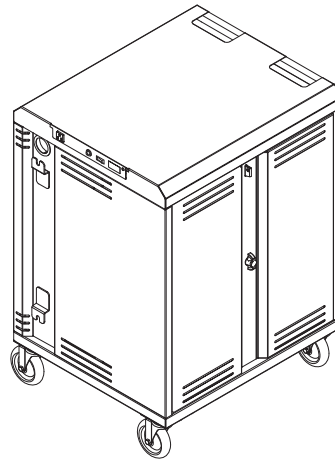
Last Modified September 1, 2023

For a copy of the most up-to-date manual,  
please contact a JAR Systems representative or visit:

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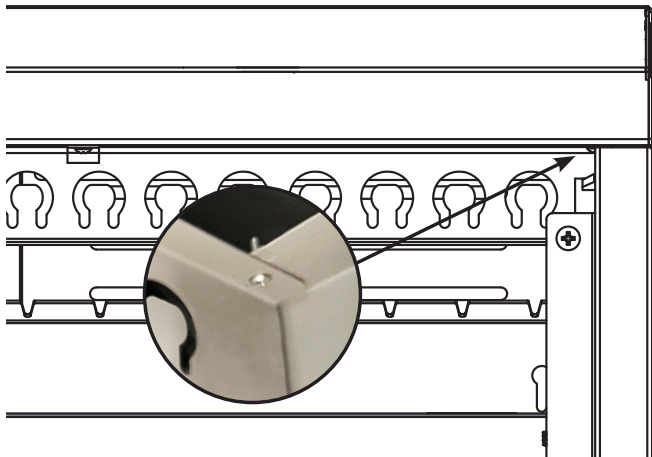
# Cart Retrofit Instructions

| Components  |  |  |   |  |
|---|--|--|---|--|
| Spectrum Connect 36 Cart Retrofit Kit: RET-SCO36  |  |  |   |  |
| Cart not included<br>             | Z-Brackets<br><br>x4 (2x Left + 2x Right) | M5 Anti-Theft Screws<br><br>(A1) x10    | M5 Nut Screws with Crown<br><br>(A2) x10 |  |
|   | M3 Anti-Theft Screws<br><br>(A3) x8       | M3 Nut Screws with Crown<br><br>(A4) x8 | Wrench for M3 Nuts<br><br>(C1) x1        |  |
| Wrench for M5 Nuts<br><br>(C2) x1 | Torx Key T10<br><br>(C3) x1               | Torx Key T25<br><br>(C4) x1             | Power Cord<br><br>(D1) x1                | Daisy Chain Power Cord<br><br>(D2) x1 |
| Spectrum Connect 36 Cart Retrofit Bundle: REB-SCO36 (Contains Everything Above)                                   |  |  |   |  |
| Quick-Sense USB-C Hub<br>x2<br>  | Each USB-C Hub Comes Wired with 16x Charging Cables  |  |   |  |

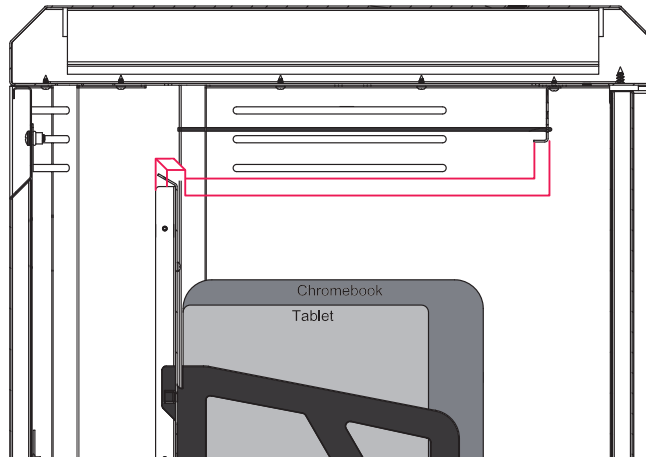


**1:** Unplug the cart from any power source and remove devices from the shelves.

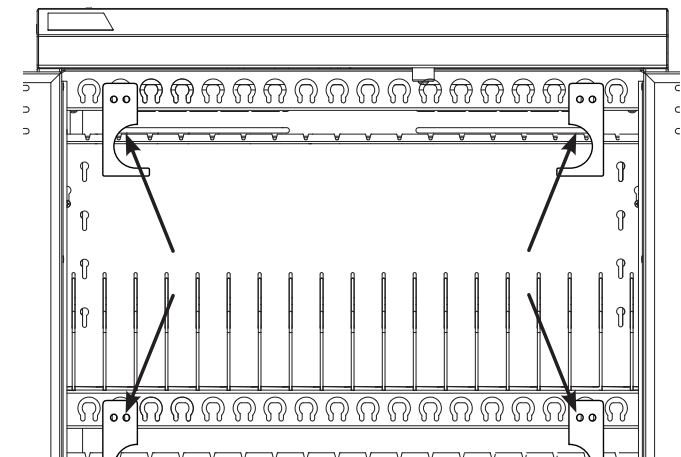
**2:** Once the cart is empty of devices, remove the wired AC adapters. Cables might be zip tied or secured in place.



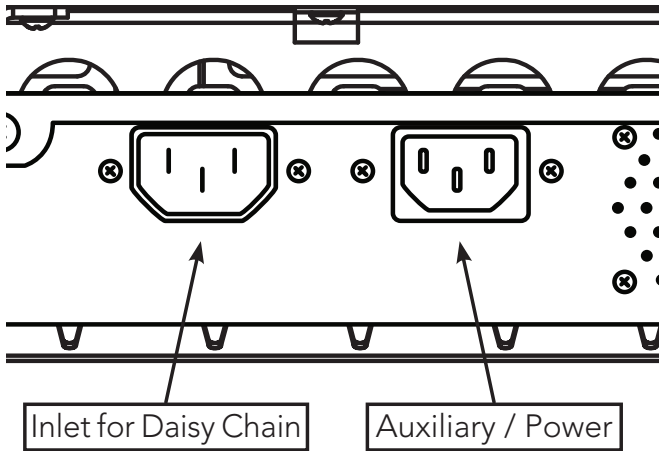
**3:** Above the top device shelf, there are Phillips screws securing the overhead cord management bar on either side. Remove them and replace them with 2x (A3) M3 anti-theft screws and 2x (A4) M3 nuts using the (C3) Torx Key T10 and (C1) M3 wrench.



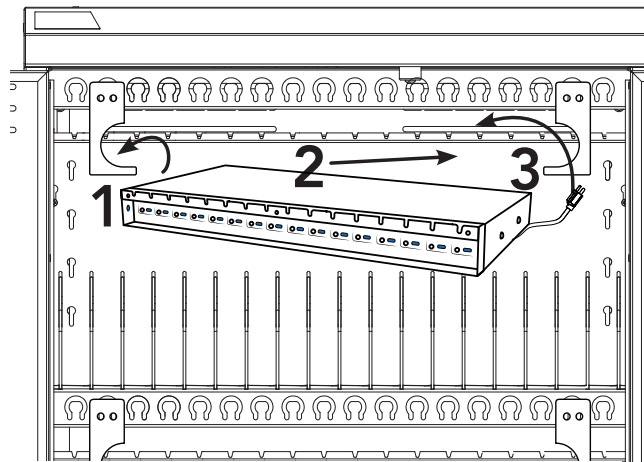
**4:** Install the 4x Z-brackets by setting the back side on the bracket that sits behind the devices and secure the front to the overhead cord management bar by following step 5.



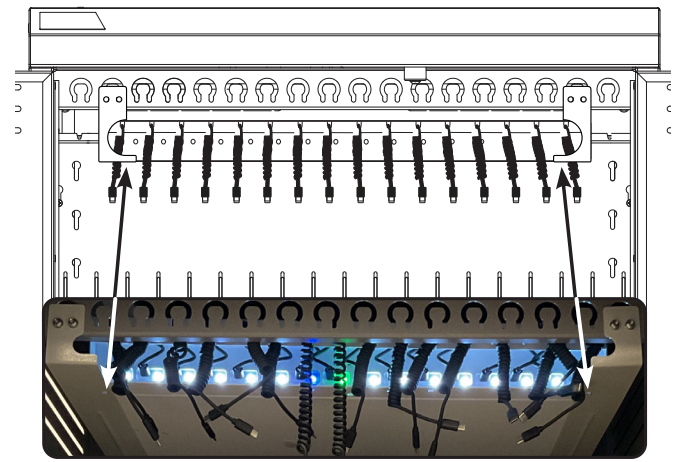
**5:** Align a Z-bracket to the 2<sup>nd</sup> and 17<sup>th</sup> cord management holes, with the curve of the front face plate toward the center of the cart. Secure in place with 2x (A1) M5 anti-theft screws and 2x (A2) M5 nuts at all 4 brackets with the (C4) Torx Key T25 and (C2) M5 wrench.



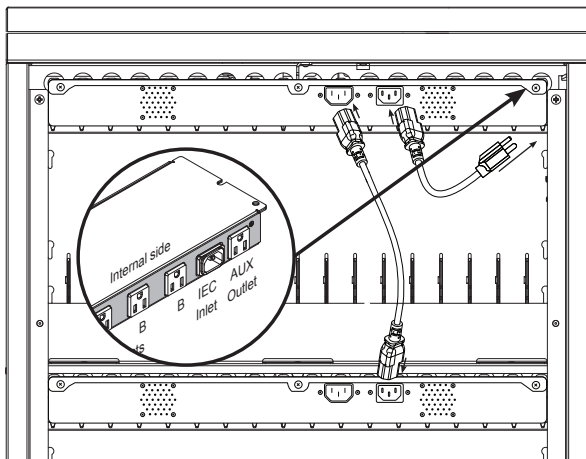
- 6:** Attach the (D1) power cord into the aux outlet on the back of a hub. Use that hub for the top shelf to be able to connect the power cord later. Connect the (D2) power cord daisy chain into the other hub's aux outlet and use to install on the bottom shelf.



- 7:** Insert the Quick-Sense USB-C Hub by lifting one side into a Z-bracket and sliding in the other side and putting the power cords behind the back wall of the device bay. Then, secure the hub to the Z-bracket by following step 8.



- 8:** Line up the holes of the Z-bracket and Quick-Sense USB-C Hub and secure each one with 2x (A3) M3 anti-theft screws and 2x (A4) M3 nuts using the (C3) Torx Key T10 and (C1) M3 wrench.

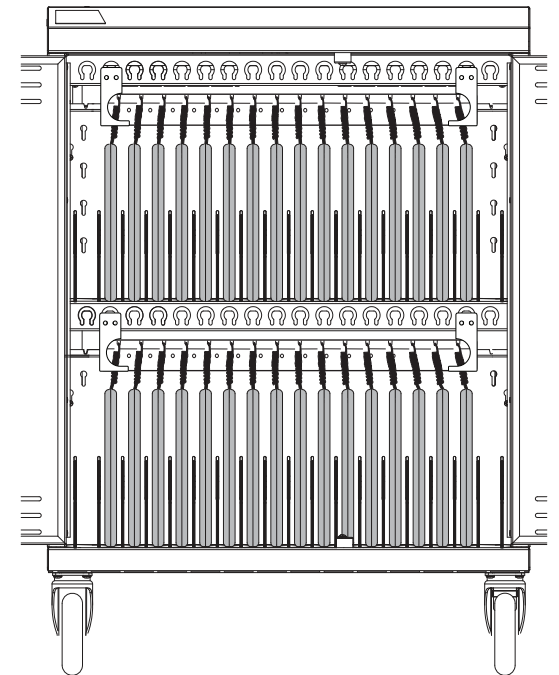


- 9:** Open the back of the cart, connect the daisy chain power cord (D2) from the back of the bottom Quick-Sense USB-C hub to the top hub's inlet for the daisy chain. Then, pull the power cord (D1), that is attached to the top hub, through the hole towards the top of the cart's internal AUX outlet.

#### USB-C Carts LED Lighting Scheme:

- White: ○ Ready to Charge (Devices not Connected)
- Blue: ● Device Charging (0%-90%)
- Green: ● Charge Level (90%-100%)

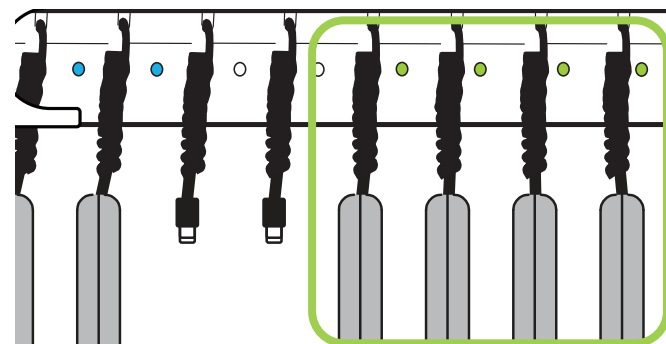
- 10:** Fill it with devices and plug the cart into power to begin charging! See following instructions for how to use the Quick-Sense USB-C Charging Hubs.



# Quick-Sense USB-C Charging Hub User Guide: Automatic Charging

## USB-C Carts LED Lighting Scheme:

White: ○ Ready to Charge (Devices not Connected)  
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Green: ● Charge Level (90%-100%)



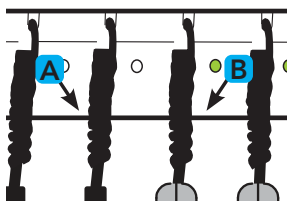
**1:** To start charging, connect the cart to power, and the hub's LEDs next to each port will illuminate white unless connected to a device.

**2:** When devices are connected, some of the hub's ports will shut off for balanced power distribution. **This causes a relay-clicking sound that is normal.**

**3:** Best practice: Disconnect the devices that have green LEDs, that are fully charged, first.

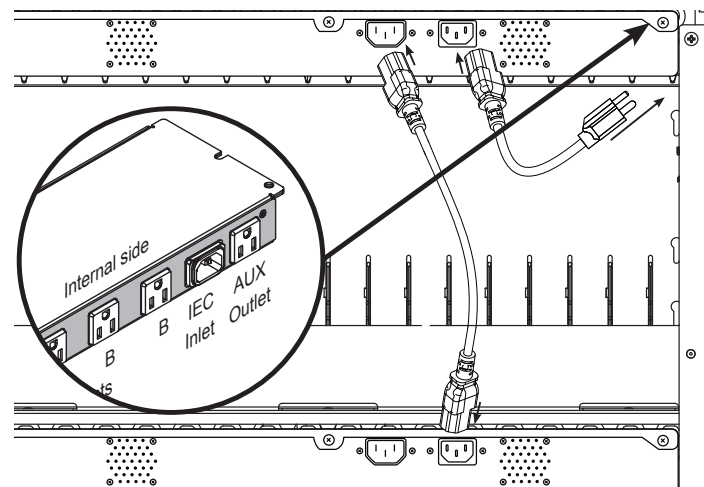
## Quick-Sense USB-C Charging Hub: Troubleshooting

Always start troubleshooting with a simple reboot. Unplug and replug the power cord. When the cart is connected to power, the LEDs will turn color based on the power draw of connected devices (see LED lighting scheme).

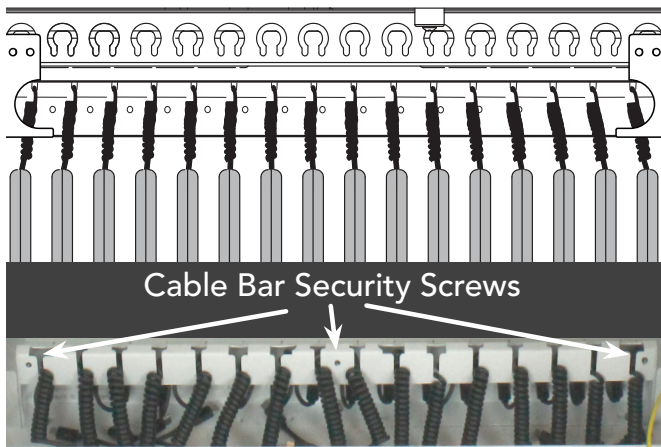


**Single Port or Device Issue:** Ensure that both of the cable ends plug into the cart and the device correctly. If there is still no charge, disconnect the device from that port (A) and plug into another port (B). If it is still not charging, it may be an issue with the device. If charging begins when using port (B), follow the service guide on the next page to exchange the cable from port (B) to port (A). If it begins to charge, the cable (A) is defective and will need to be replaced.

**Entire Charging Hub/Shelf Issue:** Check the back of the charging hub to see if the cart's power cable is plugged in and connected correctly. The easiest way to access the AC power cable is to remove the back panel(s) of the cart. When the cart is powered back on, the LED lights will begin to illuminate.



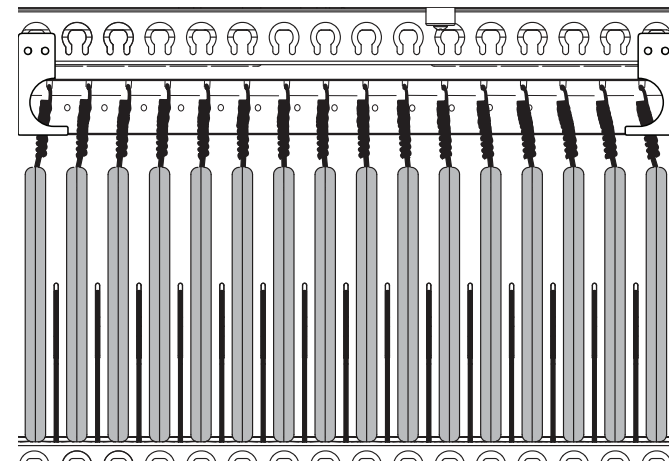
# Quick-Sense USB-C Charging Hub: Service Guide



**1:** Each hub's charging cables may be secured with 3 security screws. Remove any installed screws using the (C3) Torx Key T10. Once the security bar is off, the charging cables are no longer secure, and cables can be replaced in the cart.



**2:** To replace cables, unplug the port end and safely feed them through the bracket. Installing cables is reversed. Feed the cable through the brackets, then plug the ends into ports.



**3:** Once all the cables that need to be replaced are installed, put the cable bar back in place with the security screws to secure the cables in place.

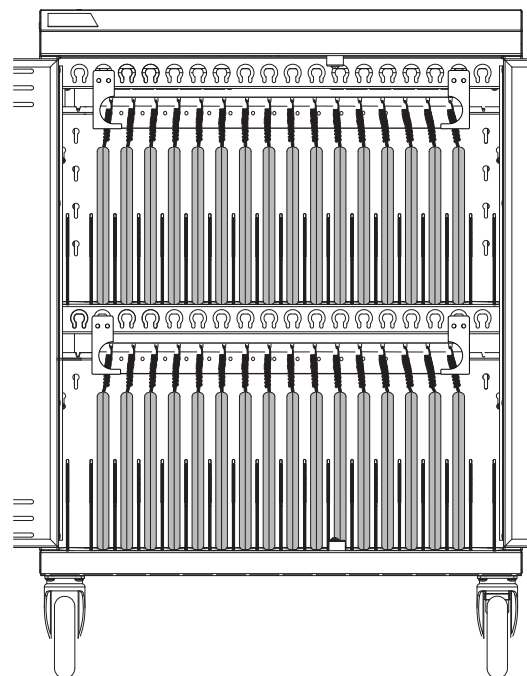
Non-USB-C devices may be connected alongside USB-C cables with emulator cables



## Best Practices for Cables

Ensure that devices are placed in the cart so that the charging ports are as close as possible to the charging port (✓). When devices are not connected make sure the cables are inside of the cart's shelf lip to prevent them being caught in the door.

**Caution: Incorrectly connecting devices can lead to damage.** Straining the cables over long periods of time will increase the risk of cable damage (✗).





# Warnings

- Power down all devices prior to connecting them to the hub for charging.
- Keep away from moisture and harsh chemicals. Do not place any liquids near the charging cart.
- Any electrical equipment must be used by an adult or with adult supervision.
- Do not connect unsupported items to the charging cart or use for any purpose other than its intended use.
- Do not attempt to obstruct any ventilation openings or dismantle, open, or modify the system in any way.
- Do not sit or stand on the cart or charging hubs.
- Do not use an extension cable or daisy-chain to any other devices.
- Not intended for operation at altitudes greater than 2000 m or 6561 ft above sea level and should not be operated in extreme temperatures. For indoor use only.

# Disclaimer

Failure to read, thoroughly understand, and follow all instructions can result in serious personal injury, damage to equipment, or voiding of factory warranty. Since the use of this information, the equipment connected, and the conditions by which any JAR Systems product is used is beyond the control of JAR Systems, it is the obligation of the owner and/or user to determine the correct and safe use of any equipment and product. To the extent that the law permits, any liability which may be incurred as a result of the use or future use of a product manufactured or sold by JAR Systems is limited to the cost of repairing or replacing the failed product or component at the discretion of JAR Systems either within, or outside of warranty periods, and does not extend to any loss or damage which may be caused as a consequence of misuse or failure of the equipment, product or the information contained herein. JAR Systems shall not in any event be liable for economic loss of profits, indirect, special, bodily injuries or consequential damages. Specifications and images are for illustration purposes only. Final product may differ and is subject to change without notice.

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Contact JAR Systems for information on the length of warranty on your product(s).



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