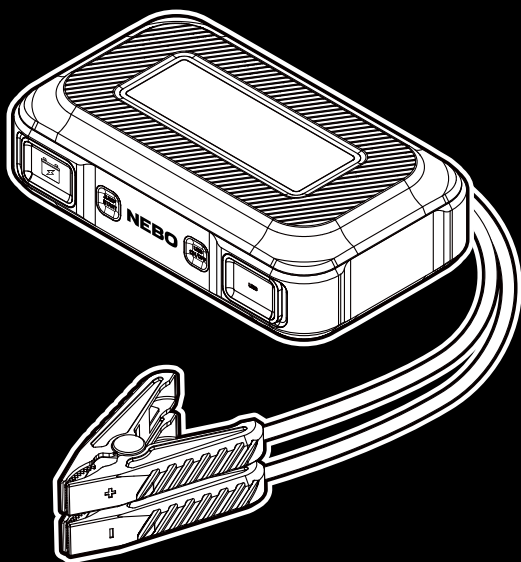


# NEBO<sup>®</sup>

## USER MANUAL FOR ASSIST<sup>®</sup> 2000XP JUMP STARTER



# SAFETY INSTRUCTIONS

**FOR ALL QUESTIONS RELATED TO SAFETY, WARRANTY  
OR EXCHANGE REQUESTS, PLEASE CONTACT US.**

# 1-800-255-6061

## **YOUR SAFETY IS IMPORTANT TO US.**

Please read instructions carefully and utilize the proper precautions before operating this equipment. Save instructions for future reference.

- When used correctly, lithium-ion rechargeable batteries provide a safe and dependable source of portable power. However, if they are misused or abused, this may result in leakage, burns, fire, or explosion, causing personal injury or damage to other devices.
- Misusing or incorrectly connecting your jump starter may cause electric shock to users and damage equipment.
- Keep your jump starter dry and away from moisture, water, and corrosive materials.
- Do not expose your jump starter to moisture, water, rain, or snow.
- Keep your jump starter away from heat sources, including open flames, radiators, stoves, ovens, and any other devices that produce heat.
- Do not expose to fire or excessive temperature. Do not expose to heat above 212°F (100°C) or incinerate.
- In the unlikely event of leakage or explosion use sand or a chemical fire extinguisher.
- Your jump starter may become warm under extended high power operation. Do not cover, wrap, or otherwise restrict air flow around the jump starter during operation.
- Do not disassemble your jump starter. There are no user-serviceable parts inside. Incorrect reassembly may result in shock or fire hazard.
- Do not drop or subject to strong impacts. Do not operate your jump starter if it has received a sharp blow, or has otherwise been damaged in any way.
- Do not puncture, crush, or subject to mechanical shock.
- Keep away from children and pets. The jump starter, along with its accessories are not toys.
- Make sure the jumper cables are fully plugged into the jump start output before trying to jump start your vehicle.
- Do not touch red (positive) and black (negative) jumper clamps together at any point.
- Make sure the jump starter's charging ports do not become contaminated with lint or other debris. Use a canned-air type of product periodically to ensure that the port openings are clear.

# PRODUCT MAINTENANCE



**IF THE JUMP STARTER OVERHEATS, BECOMES SWOLLEN, OR IS DEFORMED IN ANY WAY, IMMEDIATELY STOP USING THE PRODUCT AND CONTACT CUSTOMER SERVICE.**

## **EQUIPMENT CLEANING:**

- Please make sure that the device is disconnected from all input power and output devices.
- Wipe with a clean, dry cloth.
- Do not use corrosive cleaners or solvents.
- Do not insert metal objects into the ports to clean them as this could cause electrical shock. Blow any debris out with a canned-air type of product.



## **DISPOSAL/RECYCLING:**

Do not put the device and its accessories in the trash can. Items must be properly handled in accordance with local laws and regulations. For additional information, please see [www.epa.gov](http://www.epa.gov).



Li-ion



## **WARNING**

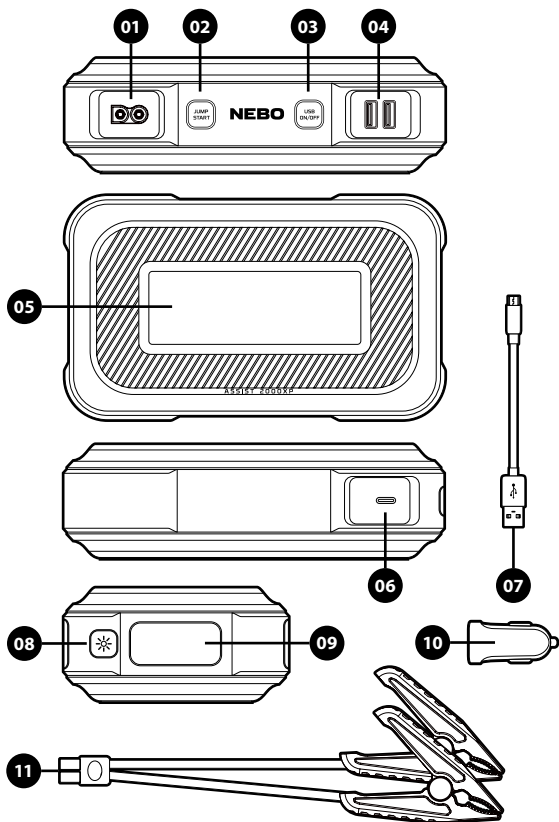
Cancer and Reproductive Harm  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

**CONFORMS TO  
UL2743**



Intertek

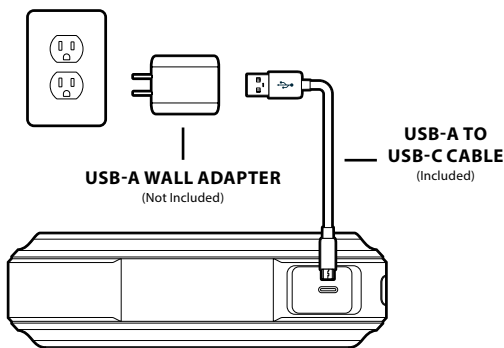
# PRODUCT OVERVIEW



- |                            |                                 |
|----------------------------|---------------------------------|
| 1 Jump Start Output        | 7 USB-A to USB-C Charging Cable |
| 2 Jump Start ON/OFF Button | 8 Floodlight ON/OFF Button      |
| 3 USB ON/OFF Button        | 9 LED Floodlight                |
| 4 USB-A Output             | 10 12V Car Charging Adapter     |
| 5 Digital Display          | 11 Jumper Cable Clamps          |
| 6 USB-C Input/Output       |                                 |

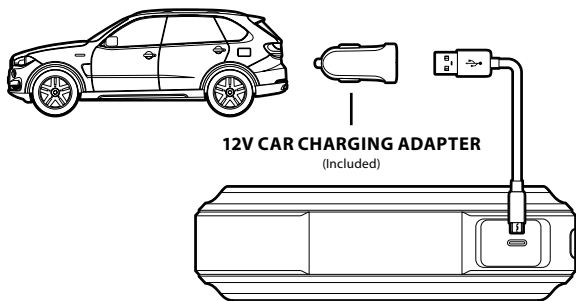
# CHARGE YOUR ASSIST 2000XP

Fully charge the jump starter before using. To charge, connect the jump starter to the included USB-C cable. The unit can be recharged from any USB powered port, like a wall adapter, car adapter, laptop and more. The USB-C input port is rated for 20W and should be fully charged in less than 3.5hrs (5-100%).



## CHARGE IN YOUR CAR

Charge using the included USB-A to USB-C cable and USB 12V car charging adapter.



# JUMP START YOUR VEHICLE

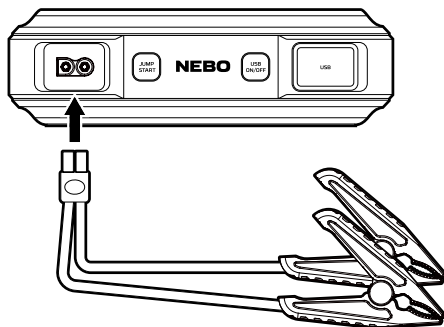
**IMPORTANT:** Before connecting the jumper cables, ensure there is no obvious corrosion or dirt on the battery terminals. A direct connection to the positive (+) and negative (-) terminals is recommended. Be sure to follow the vehicle's specific recommended mounting points as pointed out by the vehicle manufacturer.

## BEFORE YOU GET STARTED

1. Make sure the jump starter has at least 50% charge.
2. You can not jump start while using the USB charge function.
3. Ensure the vehicle's headlights, radio, car alarm and air conditioning are turned off.
4. If you have an anti-theft system (car alarm) have your key fob ready to disable it before attempting to start your vehicle.

## STEP 1: INSERT JUMPER CABLES

Plug the jumper cables into the jump start output.

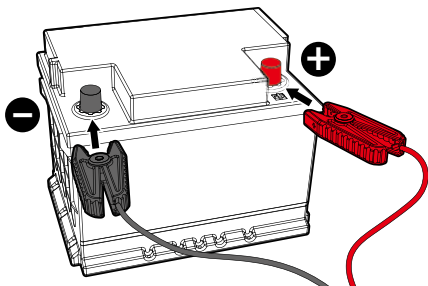


# JUMP START YOUR VEHICLE

## STEP 2: CONNECT TO BATTERY

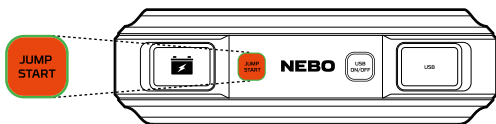
Attach the jumper cable clamps to the vehicle battery.

- Red clamp on positive terminal (+)
- Black clamp on negative terminal (-)



## STEP 3: TURN IT ON

Press the "Jump Start" button to begin the safety check. The green light should flash for 4 seconds then turn solid. Once it is solid, you may attempt to disable your anti-theft system using your key fob. The vehicle battery should now have enough charge to power this system, and your car alarm may or may not begin to sound once this system is activated.



**ONCE THE JUMP STARTER HAS A SOLID GREEN LIGHT, DO NOT REMOVE THE CLAMPS. DO NOT TOUCH THE CLAMPS TOGETHER.**

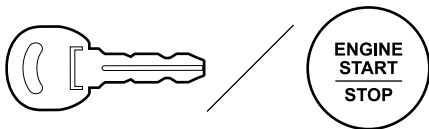
NOTE: Once the green light is solid, it will only remain in this state for up to 90 seconds.

NOTE: If you need to reposition the clamps or stop the jump starting process, press the jump start button to safely disengage the jump starter.

# JUMP START YOUR VEHICLE

## STEP 4: START YOUR VEHICLE

Start the vehicle. If it doesn't start immediately, wait 15 seconds before attempting to start again (repeat Step 3). Most vehicles should start the first time but some variables play a critical role in the starting process (temperature, engine size/type, battery condition). See the **TROUBLESHOOTING** section for more information.



## STEP 5: DISCONNECT

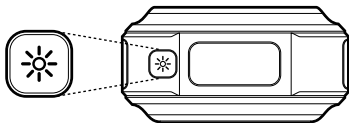
Make sure the jump start button green LED is off. Carefully disconnect the jump starter clamps from the car battery.



# ILLUMINATE YOUR AREA

The multi-mode floodlight cycles through the following stages each time the button is pressed:

1. Floodlight button once = ON White Floodlight
2. Floodlight button twice = ON Red Floodlight
3. Floodlight button three times = ON Emergency Red S.O.S.
4. Floodlight button four times = OFF



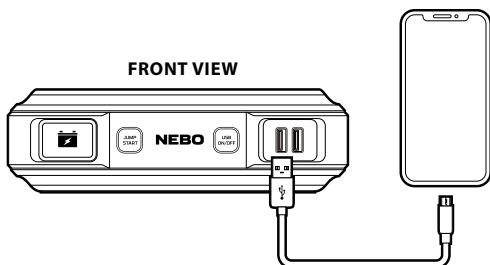
**LOOKING DIRECTLY INTO THE FLOODLIGHT CAN  
RESULT IN MINOR OR MODERATE INJURY.**

# CHARGE YOUR DEVICES

Dual USB-A output ports (front panel) are rated for up to 12W each. The USB-C input/output port (rear panel) is rated for up to 20W PD (power delivery).

## CHARGING USING USB-A OUTPUTS

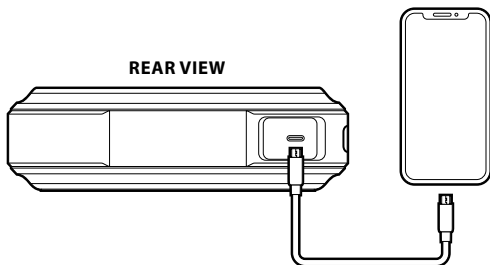
1. Connect the appropriate cable to your device.
2. Plug the cable into the appropriate USB-A output port.
3. Press the USB ON/OFF button to begin charging your device.
4. Disconnect cable and power off your jump starter.



## CHARGING USING USB-C OUTPUT

1. Connect the appropriate cable to your device.
2. Plug the cable into USB-C output port. Charging begins automatically when a device is detected.
3. Disconnect the cable and power off your jump starter.

**NOTE:** It is recommended to use charging cables provided by the manufacturer of your devices.



# TROUBLESHOOTING

FOR ALL QUESTIONS RELATED TO SAFETY, WARRANTY  
OR EXCHANGE REQUESTS, PLEASE CONTACT US.

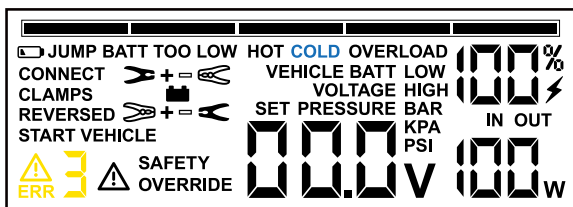
## 1-800-255-6061

### JUMP STARTING IN COLD ENVIRONMENTS



In extreme cold environments, the jump starter should allow a jump start, but the vehicle battery may require a few attempts. If it doesn't start the first time, try again. Each attempt should contribute to warming the battery increasing jump start performance.

NOTE: The jump starter is designed to allow a jump start when used within a safe temperature range. A "HOT/COLD" indicator will be illuminated on the digital display if used outside of the temperature operating range. Please refer to the specification table for storing and operating temperature ranges.

NOTE: The error code will appear on the left side of the digital display in yellow numbers. See the example below.



# TROUBLESHOOTING

| ISSUE  | POTENTIAL CAUSE   | SOLUTION  |
|--|---|---|
| <p><b>ERROR CODE 1</b> is displayed. Jump Start button flashes red and a "CLAMPS REVERSED" message is displayed.</p> <p><b>CLAMPS REVERSED</b> </p> | The jumper cables have not been properly connected to the vehicle battery.  | Check the jumper cables and ensure that the red clamp is connected to the positive terminal (+) and the black clamp is connected to the negative terminal (-).  |
| <p><b>ERROR CODE 2</b> is displayed. Jump starter displays a red "JUMP BATT TOO LOW" message.</p> <p> <b>JUMP BATT TOO LOW</b></p>                  | The jump starter is not sufficiently charged to jump start the vehicle.   | Recharge the jump starter to at least 50% charged. Then try the jump start process again.   |
| <p><b>ERROR CODE 3</b> is displayed. Jump starter displays a blue "COLD" message.</p> <p><b>COLD</b></p>   | Jump starter has detected a low temperature condition.  | If attempting to start the vehicle in extremely cold temperatures, multiple jump start attempts may be required to increase the jump starter battery temperature and performance.   |
| <p><b>ERROR CODE 4</b> is displayed. Jump starter displays a red "HOT" message.</p> <p><b>HOT</b></p>  | Jump starter has detected a high temperature condition.   | Disconnect the jump starter and allow unit to cool. The temperature operating range is 14°F-122°F.  |
| <p><b>ERROR CODE 5</b> is displayed. A Vehicle Battery Voltage "LOW" message is displayed and the Jump Start button flashes green continuously.</p> <p><b>VEHICLE BATT LOW VOLTAGE</b></p>   | The jump starter is waiting to be connected to a battery or an extremely low vehicle battery voltage has been detected. | Check the jumper cables and ensure they are properly connected to the battery. Check and ensure the vehicle battery voltage is greater than 2.0V. If the vehicle battery voltage is below 2V and a vehicle battery "LOW" message is displayed, a voltage detection override may be performed. See <b>SAFETY OVERRIDE MODE</b> . |

# TROUBLESHOOTING

| ISSUE   | POTENTIAL CAUSE  | SOLUTION   |
|---|--|--|
| <p><b>ERROR CODE 6</b> is displayed. Cannot successfully jump start your vehicle. The jump starter displays a vehicle battery voltage greater than 12V.</p> <p><b>VEHICLE BATT VOLTAGE HIGH</b></p> | <p>Jump starter detects that it is connected to a vehicle battery with a normal starting voltage. This could indicate the problem with starting your vehicle is not attributed to the battery. Some other vehicle component may be faulty.</p> | <p>We recommend that you consult with a certified mechanic.</p>  |
| <p><b>ERROR CODE 7</b> is displayed. Jump Starter displays an "OVERLOAD" Message.</p> <p><b>OVERLOAD</b></p>  | <p>Could occur when attempting to jump start a vehicle while other electronic components (i.e. headlights, heater, radio, etc.) are on.</p>  | <p>Turn off your headlights and any other components that may drain your car battery and try the jump start process again. If an overload message continues to be displayed, we recommend you consult with a certified mechanic.</p> |

## JUMP STARTING UNSUCCESSFUL WITH NO ERROR DISPLAYED (ANTI-THEFT SYSTEM)

If you are unable to successfully jump start your vehicle after passing the safety check and getting a solid green Jump Start light, it could be that your vehicle is equipped with an anti-theft system. These systems are designed to prevent the vehicle from starting if it detects tampering, and a dead car battery may trigger this incorrectly. It is possible that your car alarm will not sound even if the anti-theft system has been activated, so refer to your dashboard for an indicator light that identifies the anti-theft system is active. In some cases, you can use your key fob button to deactivate your alarm after connecting the jump starter and pressing the Jump Start ON/OFF button. Doing so may provide enough of a charge to the vehicle battery for the anti-theft system to respond to your key fob. Once you are able to deactivate the anti-theft system, and the Jump Start ON/OFF button is solid green, you may attempt to start your vehicle.

# SAFETY OVERRIDE MODE



THE SAFETY OVERRIDE MODE IS SPECIFICALLY DESIGNED FOR LEAD-ACID 12-VOLT BATTERIES ONLY. PLEASE EXERCISE CAUTION. THE REVERSE POLARITY AND SPARK-PROOF PROTECTION FEATURES WILL NOT BE ACTIVE. IT IS IMPORTANT TO PAY METICULOUS ATTENTION TO THE BATTERY'S POLARITY PRIOR TO UTILIZING THIS MODE. ENSURE THAT THE NEGATIVE AND POSITIVE BATTERY CLAMPS DO NOT COME INTO CONTACT WITH EACH OTHER, AS THIS WILL RESULT IN SPARKS. THIS MODE OPERATES AT A VERY HIGH CURRENT (UP TO 2000 AMPS), WHICH CAN PRODUCE SPARKS AND EXCESSIVE HEAT IF NOT HANDLED CORRECTLY. IF YOU ARE UNCERTAIN ABOUT USING THIS MODE, PLEASE SEEK PROFESSIONAL ASSISTANCE.

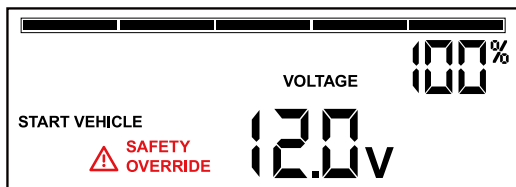
## SAFETY OVERRIDE MODE

The Safety Check function is designed to detect the presence of a 12V battery and prevent jump starts on batteries that are below 2 volts. If you need to jump-start a vehicle battery that is below 2 volts, the SAFETY OVERRIDE feature will bypass the Safety Check and allow a jump start to be performed. Please note that the entire Safety Check is bypassed (including reverse polarity and voltage protection), so it is recommended to perform a standard jump start process (refer to pg 3) to diagnose any other potential issues, first.

## STEP 1: ACTIVATE SAFETY OVERRIDE MODE

Press and hold the USB ON/OFF and Jump Start ON/OFF buttons simultaneously for five seconds.

NOTE: The Jump Start ON/OFF button will be solid green and the USB ON/OFF button will flash blue when the SAFETY OVERRIDE mode is activated and the SAFETY OVERRIDE message will be displayed for 90 seconds.



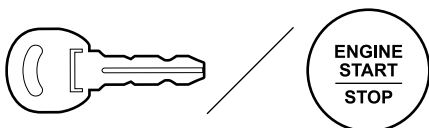
NOTE: While the SAFETY OVERRIDE mode is active, the reverse polarity protection and the high/low external voltage protection are disabled.

# SAFETY OVERRIDE MODE

NOTE: When the SAFETY OVERRIDE mode is active, it can be disabled by pressing the Jump Start ON/OFF button.

## STEP 2: START YOUR VEHICLE

Start the vehicle.



NOTE: If an attempt is unsuccessful, we recommend that you consult with a certified mechanic.

## STEP 3: DISCONNECT

Make sure the jump start button green LED is off. Carefully disconnect the jump starter clamps from the car battery.

# PRODUCT REGISTRATION

Scan the QR code below to register your product.  
For product information and videos, visit **WWW.NEBOPOWER.COM**.



## PRODUCT REGISTRATION

### ACTIVATE YOUR WARRANTY TODAY

Your NEBO jump starter has a two year warranty from the date of purchase. By registering your warranty, you will help protect your investment and save a record of your purchase with our customer service team.



# TECHNICAL SPECIFICATIONS

|                       |   |
|-----------------------|---|
| USB-C Input/Output    | PD 20W  |
| USB-A Outputs 1 and 2 | 5VDC/2.4A Each  |
| Peak Current Rating   | 2000A   |
| Floodlight Output     | 200lm   |
| Battery Capacity      | 55.5Wh  |
| Operating Temperature | Charge: 32°-113°F (0°-45°C)<br>Discharge: 14°-122°F (-10°-50°C) |
| Storage Temperature   | -4°-149°F (-20°-65°C)   |
| IP Rating             | IP65 (with ports closed)  |
| Dimensions            | 7.1 x 4.2 x 2.1 in. (180 x 106 x 54mm)                          |
| Weight                | 1.8 lb (812g)   |

# FCC NOTE

## COMPLIANCE WITH FCC REGULATION

This device complies with part 15 of the FCC Rules and RSS-Gen of IC 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.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.
- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAUTION: To comply with the limits of the Class B digital device, pursuant to Part 15 of the FCC Rules, this device must be used with certified peripherals and shielded cables. All peripherals must be shielded and grounded. Operation with non-certified peripherals or non-shielded cables may result in interference to radio or reception.

NOTE: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

## ALLIANCE CONSUMER GROUP

700 Henrietta Creek Rd, Roanoke, Texas 76262

Toll-Free: 800.255.6061

[www.acgbrands.com](http://www.acgbrands.com)

# TRANSPORTING DANGEROUS GOODS

NOTE: Any changes or modifications of this device could void the warranty.



Fully charge before using



Do not disassemble



Use original or certified charger or cable



It's not waterproof, do not expose to liquids



Avoid extreme temperature



Dispose of batteries and electronic goods in accordance with local regulations



Avoid dropping

This jump starter meets all legal requirements for the transportation of dangerous goods. According to international standards, if the jump starter is transported by air, it must be transported in accordance with IATA standard packaging. The instructions and labeling requirements of the International Air Transport Association and related declarations must be completed.

**NEBO<sup>®</sup>**  
**POWER POSSIBILITIES<sup>®</sup>**

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