

Product Safety Guide

(HL-1112 / HL-1212W / DCP-1512 / DCP-1612W)

Using the Documentation

Please read this guide before attempting to operate the product, or before attempting any maintenance. Failure to follow these instructions may result in an increased risk of personal injury or damage to property, including through fire, electrical shock, burns or suffocation. Brother shall not be liable for damage caused where the product owner has failed to follow the instructions set out in this guide.

Read all of the instructions. Save them for later reference.

Symbols and conventions used in the documentation

The following symbols and conventions are used throughout the documentation.

WARNING

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injuries.

CAUTION

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injuries.

IMPORTANT

IMPORTANT indicates a potentially hazardous situation which, if not avoided, may result in damage to property or loss of product functionality.

NOTE

NOTE specifies the operating environment, conditions for installation, or special conditions of use.



Electrical Hazard icons alert you to possible electrical shocks.



Fire Hazard icons alert you to the possibility of a fire.



Hot Surface icons warn you not to touch product parts that are hot.



Prohibition icons indicate actions that must not be performed.

Bold

Bold typeface identifies specific keys on the product's control panel or on the computer screen.

Italics

Italicized typeface emphasizes an important point or refers you to a related topic.

Courier New

Text in Courier New font identifies messages on the LCD of the product.

Follow all warnings and instructions marked on the product.

NOTE

- Not all models are available in all countries.
- The illustrations in this guide show the HL-1212W and DCP-1612W.

Compilation and Publication

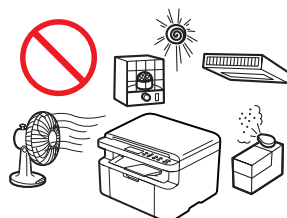
Under the supervision of Brother Industries, Ltd., this manual has been compiled and published, covering the latest product descriptions and specifications.

The contents of this manual and the specifications of this product are subject to change without notice.

Brother reserves the right to make changes without notice in the specifications and materials contained herein and shall not be responsible for any damages (including consequential) caused by reliance on the materials presented, including but not limited to typographical and other errors relating to the publication.

Choosing a location

WARNING



Choose a location where the temperature remains between 50°F and 90°F (10°C and 32°C), the humidity is between 20% to 80%, and where there is no condensation.



DO NOT expose the product to direct sunlight, excessive heat, open flames, corrosive gasses, moisture or dust. Doing so may create a risk of an electrical shock, short circuit or fire. It may also damage the product and/or render it inoperable.



DO NOT place the product near heaters, air conditioners, electrical fans, refrigerators, or water. Doing so may create the risk of an electrical shock, short circuit or fire, as water may come into contact with the product (including condensation caused by heating/air conditioning/ventilation equipment).



DO NOT place the product near chemicals or in a place where chemicals could be spilled on it. Should chemicals come into contact with the product, there may be a risk of fire or electric shock. In particular, organic solvents or liquids such as benzene, paint thinner, polish remover, or deodorizer may melt or dissolve the plastic cover and/or cables, resulting in a risk of fire or electric shock. These or other chemicals may also cause the product to malfunction or become discolored.



DO NOT put the product in a location that blocks or obstructs any slot or opening in the product. These slots and openings are provided for ventilation. Blocking the product's ventilation could create a risk of overheating and/or fire.

- Keep a gap of at least 6 in. (150 mm) between the product and the wall.
 - Place the product on a solid level surface.
 - DO NOT place this product near or over a radiator or heater.
 - DO NOT place this product in a “built-in” installation unless adequate ventilation is provided.
-



DO install your product near an AC power outlet that is easily accessible. In the event of an emergency, easy access to the plug and outlet will allow you to shut off power to the product quickly and completely.

Plastic bags are used in the packing of your product. Plastic bags are not toys. To avoid the danger of suffocation, keep these bags away from babies and children and dispose of them properly.

⚠ CAUTION

DO NOT place any objects around the product. Such objects block the access to the power outlet in case of emergency. It is important that the product can be unplugged whenever needed.

The product may generate odorous gas such as ozone if used for a large volume of printing or used in a poorly ventilated room for long hours. In addition, the product emits some chemical substances during the printing. Ensure adequate ventilation for the product to avoid injury or discomfort.

Avoid placing your product in a busy area. If you must place it in a busy area, ensure that the product is in a safe location where it cannot be accidentally knocked over, which could cause injury to you or others and serious damage to the product. Also ensure that cords are secured so as not to pose a tripping hazard.

DO NOT place heavy objects on the product.

DO NOT place this product on an unstable cart, stand, or table, particularly if children are expected to be near the product. The product is heavy and may fall, causing injury to you or others and serious damage to the product. For the products with scanning function, there is an added risk of injury if the scanner glass should break.

Put your product on a flat, level, stable surface (such as a desk), that is free from vibration and shocks. Put the product near a standard grounded AC power outlet.

IMPORTANT

- DO NOT place your product next to devices that contain magnets or generate magnetic fields. Doing so may interfere with the operation of the product, causing print quality problems.
 - DO NOT place your product next to sources of interference, such as speakers or the base units of non-Brother cordless telephones. Doing so may interfere with the operation of the product's electronic components.
 - DO NOT connect your product to an AC power outlet controlled by wall switches or automatic timers. DO NOT connect your product to the same circuit as a large appliance or other equipment that requires a significant amount of electricity to operate (such as an air conditioner, copier, or shredder). Operating this product in conjunction with other products that require a significant amount of electricity to operate could disrupt the power supply or create an overvoltage, tripping your circuit breaker or blowing your fuse. Disruption of the power supply also may delete information from the product's memory, and repeated cycling of the power supply can damage the product.
-

To use the product safely

Please keep these instructions for later reference and read them before attempting any maintenance. If you do not follow these safety instructions, there is a possibility of a fire, electrical shock, burn or suffocation.

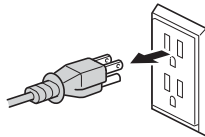
WARNING

ELECTRICAL HAZARDS

Failure to follow the warnings in this section may create the risk of an electrical shock. In addition, you could create an electrical short, which may create the risk of a fire.



There are high voltage electrodes inside the product. Before you access the inside of the product, including for routine maintenance such as cleaning, make sure you have unplugged the power cord from the AC power outlet, as well as Ethernet (RJ-45) cables (Network models only) from the product. Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts.



Unplug the power plug regularly to clean it. Use a dry cloth to clean the root of the plug blades and between the blades. If the power plug is plugged into the outlet over a long period, dust accumulates around the plug blades, which may cause a short circuit resulting in a fire.



DO NOT handle the plug with wet hands. Doing this might cause an electrical shock.





Always make sure the plug is fully inserted. DO NOT use the product or handle the cord if the cord has become worn or frayed.



If the product has been dropped or the casing has been damaged, there may be the possibility of an electric shock. Unplug the product from the AC power outlet and contact Brother Authorized Service Personnel.



DO NOT allow this product to come into contact with water. This product should not be used around standing water, including a bath tub, sink, or swimming pool; around appliances containing water, including a refrigerator; or in a wet basement.



If water, other liquids, or metal objects get inside the product, immediately unplug the product from the AC power outlet and contact Brother Authorized Service Personnel.

DO NOT dismantle this product. Dismantling this product could cause a fire or electric shock. DO NOT attempt to service this product yourself. Opening or removing covers may expose you to dangerous voltage points and other risks and may void your warranty. Refer all servicing to a Brother Authorized Service Center.



This product should be connected to an AC power source within the range indicated on the rating label. DO NOT connect it to a DC power source or inverter. If you are not sure what kind of power source you have, contact a qualified electrician.



Power Cord Safety:

- This product is equipped with a 3-wire grounded plug. This plug will only fit into a grounded power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, call your electrician to replace your obsolete outlet. DO NOT attempt to defeat the purpose of the grounded plug.
- DO NOT pull on the middle of the AC power cord; pulling on the middle may cause the cord to separate from the plug. Doing this might cause an electrical shock.
- DO NOT use any undesignated cables (or optional devices). It may cause a fire or injuries. Installation must be performed properly according to the user's guide.
- This product should be positioned so that nothing pinches or constricts the power cord.
- DO NOT allow anything to rest on the power cord.
- DO NOT place this product where people may step on the cord.
- DO NOT place this product in a position where the cord is stretched or strained, as it may become worn or frayed.
- DO NOT use the product if the power cord is frayed or damaged. Doing so may cause an electrical shock or fire.
- Brother strongly recommends that you DO NOT use any type of extension cord.
- DO NOT drop any metallic hardware or any type of liquid on the power plug of the product. It may cause an electrical shock or a fire.



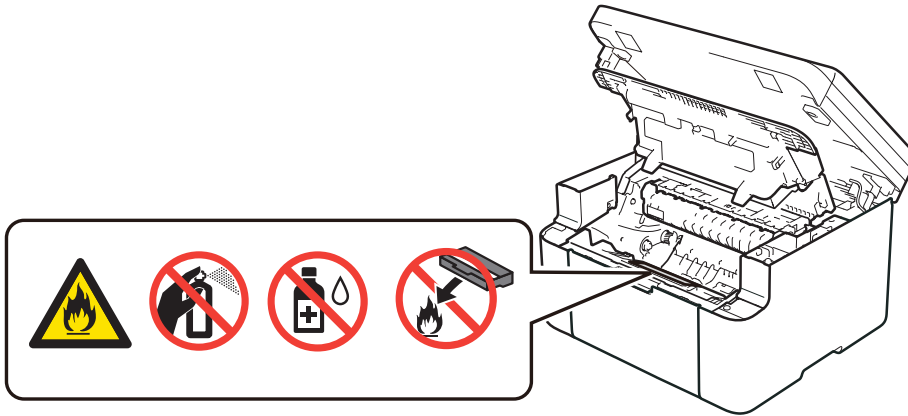
DO NOT use this product during an electrical storm.



DO NOT put a toner cartridge or a toner cartridge and drum unit assembly into a fire. It could explode, resulting in injuries.



DO NOT use flammable substances, any type of spray, or an organic solvent/liquid containing alcohol or ammonia to clean the inside or outside of the product. Doing so could cause a fire or electrical shock. Instead, use only a dry, lint-free cloth.



DO NOT attempt to operate this product when a paper jam or stray pieces of paper are inside the product. Prolonged contact of paper with the fuser unit could cause a fire.



DO NOT use a vacuum cleaner to clean up scattered toner. Doing this might cause the toner dust to ignite inside the vacuum cleaner, potentially starting a fire. Please carefully clean the toner dust with a dry, lint-free soft cloth and dispose of it according to local regulations.

(Models with Wireless LAN function only)

DO NOT use the product near any medical electrical equipment. The radio wave emitted from the product may affect medical electrical equipment and cause a malfunction, which may result in a medical accident.

For persons with a pacemaker

The product emits weak electromagnetic waves. Should you feel something is wrong, move away from the product and consult with a medical doctor immediately.

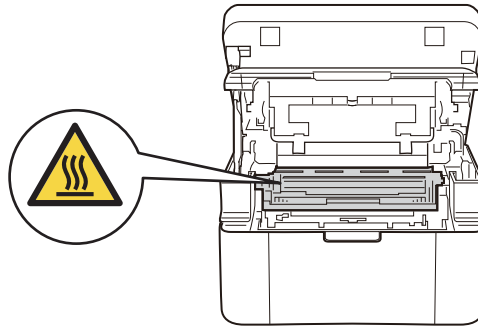


DO NOT place the following objects on the product. If these objects contact the electrical parts inside the product, it may cause a fire or electric shock.

- Metal object such as a clip or a staple
 - Precious metal such as a necklace or a ring
 - Container holding water or liquid such as a glass, a flower vase or a flower pot
-

HOT SURFACE

After you have just used the product, some internal parts of the product will be extremely hot. Wait at least 15 minutes for the product to cool down before you touch the internal parts of the product.

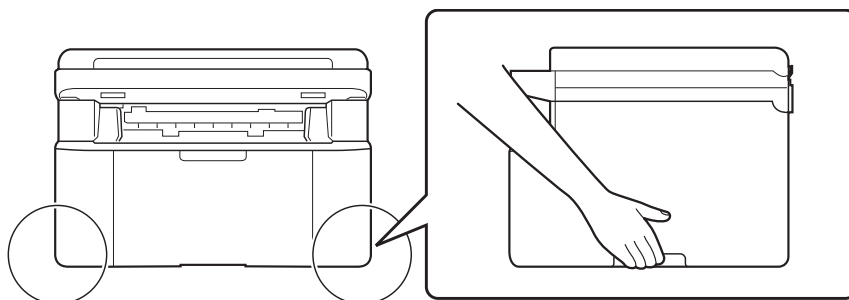


If the product becomes unusually hot, releases smoke, generates any strong smells, or if you accidentally spill any liquid on it, immediately unplug the product from the AC power outlet. Contact Brother Authorized Service Personnel.

⚠ CAUTION

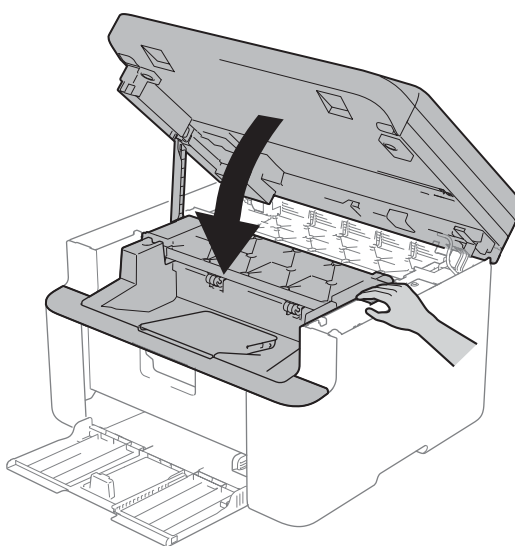
(Products with scanning function only)

When moving the product, hold it by grasping the handholds at the bottom firmly from the front of the product.

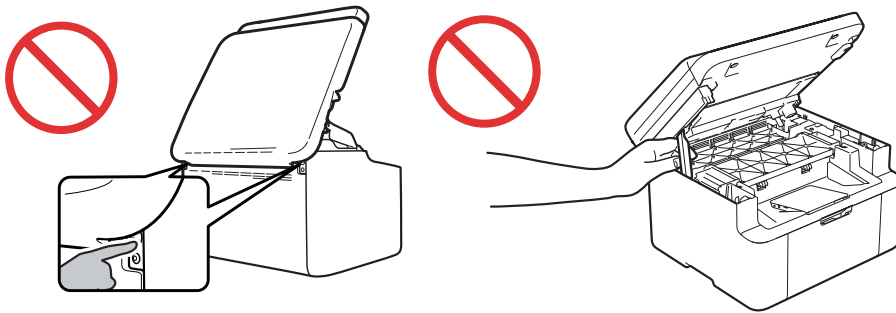


(Products with scanning function only)

Some areas of the product can cause injury if covers (shaded) are closed with force. Take care when placing your hand in the areas shown in the illustrations, and **DO NOT** close the covers with force.



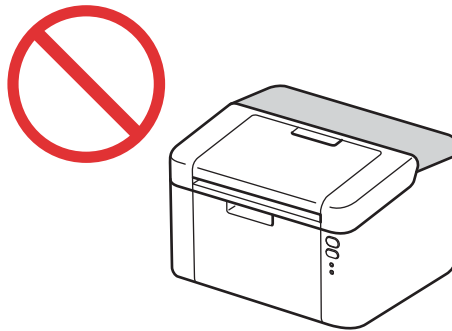
To prevent injuries, be careful not to put your fingers in the areas shown in the illustrations.



(HL only)

The top cover of the product will be hot, during and after using the product.

DO NOT touch or place anything on the top cover, shown by the shaded area in the illustration.



For your safety, unplug the product from the power outlet when not used for a long time.

DO NOT try to open a toner cartridge. If the toner powder leaks out, avoid inhaling it or letting it come in contact with your skin.

We recommend placing the toner cartridge and drum unit assembly on a clean, flat surface with disposable paper underneath it in case you accidentally spill or scatter toner. If toner scatters on your hands or clothes, immediately wipe or wash it off with cold water.

Should you come into contact with toner, follow these instructions:

- Inhalation

Obtain immediate medical attention. In case of accidental inhalation, move to fresh air immediately, then obtain medical attention.

- Skin contact

Remove contaminated clothing immediately and wash affected skin with plenty of water or soap and water.

- Eye contact

Obtain medical attention. If the toner has gotten into the eyes, immediately wash out the eyes with water continuously, for at least 15 minutes.

- Ingestion

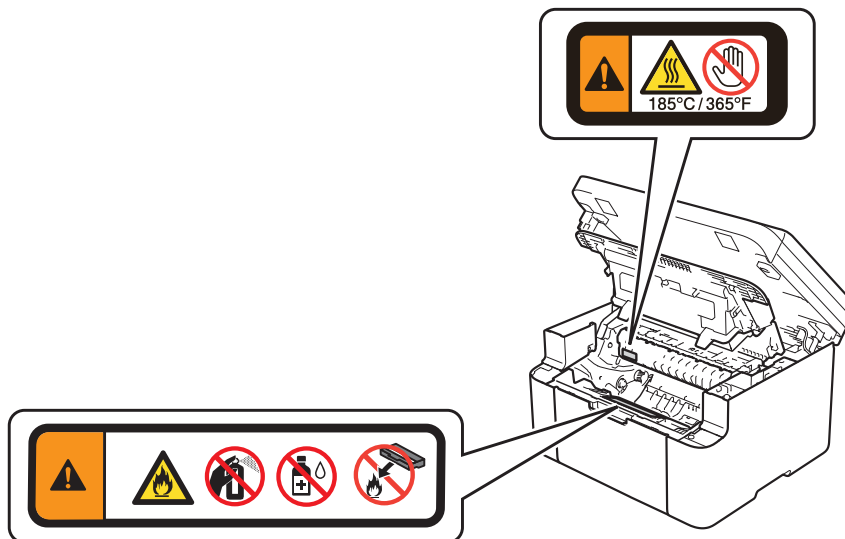
Obtain immediate medical attention. Wash out mouth with water and drink 200 - 300 ml (one cup) of water.

For more safety information regarding the toners used in your product, please visit the following web address to read the Safety Data Sheets (SDS) <http://sds.brother.co.jp/sdsapp/index.html>.

Keep the toner cartridge out of the reach of children. If a child swallows the toner powder, consult a doctor immediately.

IMPORTANT

- DO NOT remove or damage any of the caution or warning labels inside the product.



- DO NOT put objects on top of the product. Doing so could increase the risk of overheating should the product malfunction.

NOTE

The machine may emit steam during printing. This is normal behaviour and should not cause concern. It is due to a combination of paper moisture content and room temperature.

Important safety instructions

- 1 Read all of these instructions.
- 2 Save these instructions for later reference.
- 3 Follow all warnings and instructions marked on the product.
- 4 Unplug this product from the AC power outlet and refer all servicing to Brother Authorized Service Personnel under the following conditions:
 - If liquid has been spilled into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally when the operating instructions are followed. Adjust only those controls that are discussed in the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to normal operation.
 - If the product exhibits a distinct change in performance, indicating a need for service.
- 5 For the location of your nearest Brother Authorized Service Center, please contact:
In Canada: www.brother.ca/support

Regulation

WARNING



Disconnect device

This product must be installed near an AC power outlet that is easily accessible. In case of an emergency, you must unplug the power cord from the AC power outlet to shut off the power completely.

RF Exposure Notice (Canada only) (Wireless models only)

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets the RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées par IC pour un environnement non contrôlé et respecte le règlement CNR-102 relatif à l'exposition aux fréquences radioélectriques (RF) d'IC. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

Industry Canada Compliance Statement (Canada only)

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IEC60825-1:2007 Specification

This product is a Class 1 laser product as defined in IEC60825-1:2007 specifications. The label shown below is attached in countries where required.

This product has a Class 3B Laser Diode which emits invisible laser radiation in the Laser Unit. The Laser Unit should not be opened under any circumstances.



Internal Laser radiation

Wave length: 770 - 800 nm

Output: 25 mW max.

Laser Class: Class 3B

WARNING

Use of controls, adjustments or performance of procedures other than those specified in this manual may result in hazardous invisible radiation exposure.

For use in Canada only

These products are made for use in Canada only. We cannot recommend using them overseas because the power requirements of your product may not be compatible with the power available in foreign countries. Using Canada models overseas is at your own risk and may void your warranty.

International ENERGY STAR® Qualification Statement

The purpose of the International ENERGY STAR® Program is to promote the development and popularization of energy-efficient office equipment.

As an ENERGY STAR® Partner, Brother Industries, Ltd. has determined that this product meets the ENERGY STAR® specifications for energy efficiency.



Trademarks

BROTHER is either a trademark or a registered trademark of Brother Industries, Ltd.

Microsoft, Windows, Windows Vista, Windows Server, SharePoint and Internet Explorer are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries.

Apple, Macintosh, Safari, Mac OS and OS X are trademarks of Apple Inc., registered in the United States and other countries.

Linux is the registered trademark of Linus Torvalds in the U.S. and other countries.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Wi-Fi, Wi-Fi Alliance and Wi-Fi Protected Access are registered trademarks of Wi-Fi Alliance.

WPA, WPA2, Wi-Fi Protected Setup and Wi-Fi Protected Setup logo are trademarks of Wi-Fi Alliance.

AOSS is a trademark of Buffalo Inc.

Mozilla and Firefox are registered trademarks of the Mozilla Foundation.

Each company whose software title is mentioned in this manual has a Software License Agreement specific to its proprietary programs.

Any trade names and product names of companies appearing on Brother products, related documents and any other materials are all trademarks or registered trademarks of those respective companies.

Open Source Licensing Remarks

This product includes open-source software.

Please visit the Brother Solutions Center at <http://support.brother.com> to view the Open Source Licensing Remarks and Copyright information.

Copyright and License

©2014 Brother Industries, Ltd. All rights reserved.

This product includes software developed by the following vendors:

©1983-1998 PACIFIC SOFTWARES, INC. ALL RIGHTS RESERVED.

©2008 Devicescape Software, Inc. All rights reserved.

This product includes the “KASAGO TCP/IP” software developed by ZUKEN ELMIC, Inc.

Other Information

FlashFX[®] is a registered trademark of Datalight, Inc.

FlashFX[®] Copyright 1998-2010 Datalight, Inc.

U.S. Patent Office 5,860,082/6,260,156

FlashFX[®] Pro[™] is a trademark of Datalight, Inc.

Reliance[™] is a trademark of Datalight, Inc.

Datalight[®] is a registered trademark of Datalight, Inc.

Copyright 1989-2010 Datalight, Inc., All Rights Reserved

Legal limitations for copying (Products with scanning function only)

Reproductions of certain documents are illegal and may result in either criminal or civil liability. The listing below is intended to be a guide rather than a complete listing of every possible prohibition. In case of doubt, we suggest that you consult with the appropriate authority or advisor with regard to the specific document.

The following documents issued by the Canadian Government or any of its Agencies, States, Territories or Provinces may not be copied:

- Money
- Bonds or other certificates of indebtedness
- Certificates of Deposit
- Internal Revenue Stamps (canceled or uncanceled)
- Selective Service or draft papers
- Passports
- United States/Canadian Postage Stamps (canceled or uncanceled)
- Food Stamps
- Immigration Papers
- Checks or drafts drawn by Governmental agencies
- Identifying badges or insignias
- Licenses and Certificates of Title to motor vehicles, under certain State/Provincial law

Copying copyrighted works may be regulated by Federal, State or local laws. For more information, consult an appropriate authority or advisor.

brother



www.brotherearth.com