brother

Product Safety Guide

(HL-5580D / HL-5585D / HL-5590DN / HL-5595DN / HL-5595DNH / MFC-8530DN / MFC-8535DN / MFC-8540DN)

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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 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.

How to use this guide:

1   Read the whole guide before using your product and keep it for later reference.

2   Carefully follow the instructions set out in this guide and always ensure that you follow all warnings and instructions marked on the product.

3   If you have concerns about how to use your product having read this guide, please refer to Brother customer service or your local Brother dealer.

4   To ensure you understand all of the instructions, study the symbols and conventions used in the documentation.

5   CAUTION:

Before using this product, read carefully these instructions for correct operation.

Symbols and conventions used in the documentation

The following symbols and conventions are used throughout the documentation.

Follow all warnings and instructions marked on the product.

⚠ 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 buttons 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 the Courier New font identifies messages on the LCD of the product.
[XXXX]	Text in brackets identifies messages on the LCD of the product. (MFC only)

NOTE

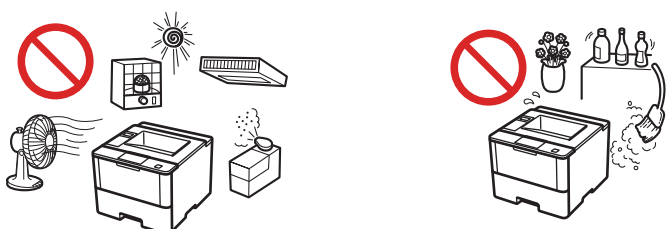The illustrations in this guide show the HL-5595DN and MFC-8540DN.

Compilation and Publication Notice

This manual has been compiled and published to provide the latest product safety information at the time of publication. The information contained in this manual may be subject to change.

For the latest manual, please visit us at http://support.brother.com.

Choose a safe location for your product

⚠ WARNING

Choose a location where the temperature remains between 10°C and 32°C, the humidity is between 20% to 80%, and where there is no condensation. To ensure the high print quality, the maximum ambient temperature we recommend is 32°C. The maximum ambient temperature to safely use this machine is 35°C.

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).
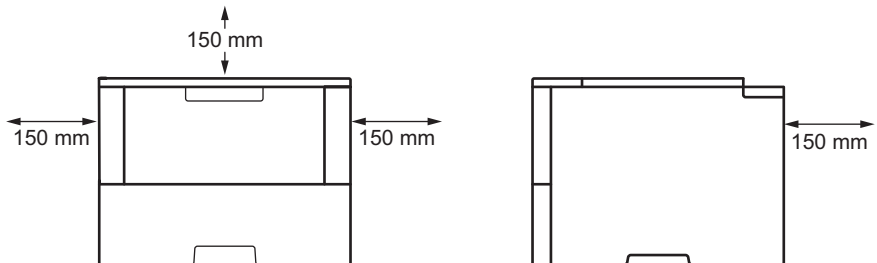
DO NOT place the product near chemicals or in a place where chemical spillage could occur. In particular, organic solvents or liquids may cause the casing and/or cables to melt or dissolve, risking fire or electric shock. They may also cause the product to malfunction or become discoloured.
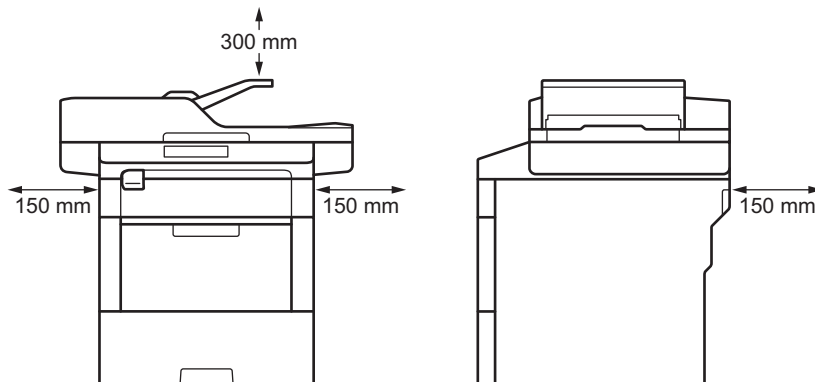
⚠️

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 minimum gap around the product as shown in the illustration.

(HL only)

(MFC only)

• 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 NOT place this product on an unstable cart, stand, or table. The product is heavy and may fall, causing injury to you and serious damage to the product. For MFC products, there is an added risk of injury if the scanner glass should break. Particularly, if you have children, please make sure the product is located in a safe position.

⚠ CAUTION

This product emits some chemical substances during printing, and additionally if used for prolonged periods or in poorly ventilated areas may cause the emission of odorous gases such as ozone. Place the product in a well ventilated area for optimum performance and comfort.

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.

Some products contain a silica gel pack. DO NOT eat the silica gel pack; throw it away. If you ingest it, seek medical attention immediately.

DO NOT place heavy objects on top of the product.

Put your product on a flat, level, stable surface free from vibration and shocks, such as a desk. Put the product near a telephone socket (MFC only) and a standard earthed electrical socket.

When multiple devices, including this product, are connected to a computer using USB cables, you may feel an electric charge when you touch metal parts of the product.

IMPORTANT

- DO NOT connect your product to electrical sockets controlled by wall switches or automatic timers, or to the same circuit as large appliances, such as an air conditioner, copier, shredder, etc. that might disrupt the power supply.

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

- 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.

- Disruption of power can delete information from the product's memory.

General precautions

⚠ WARNING

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

For users with pacemakers

This product generates a weak magnetic field. If you experience any unusual symptoms with your pacemaker while near the product, move away from the product and consult a doctor immediately.

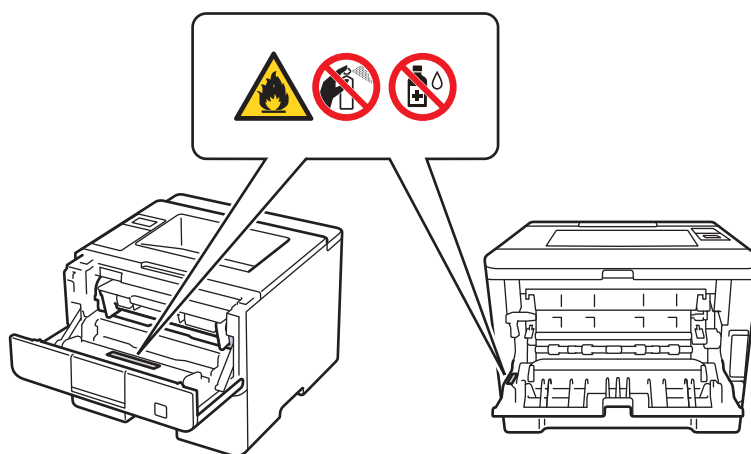DO NOT use this product during an electrical storm. There may be a remote risk of an electric shock from lightning.

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. 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 may cause a fire.

⚠️

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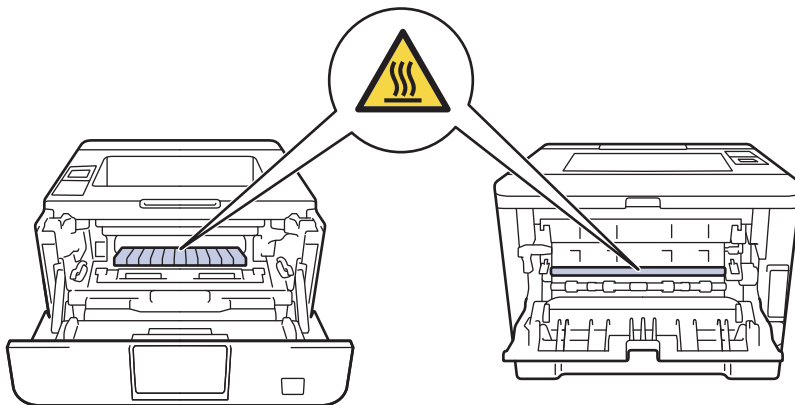
⚠️ ⚠️

Unplug this product from the wall socket before cleaning the product and the scanner glass (MFC only). DO NOT use liquid or aerosol cleaners. Use a dry, lint-free soft cloth for cleaning.
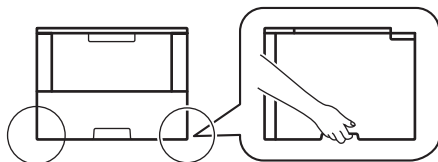
⚠️ HOT SURFACE

After you have just used the product, some internal parts of the product will be extremely hot. Wait at least 10 minutes for the product to cool down before you touch the internal parts of the product.
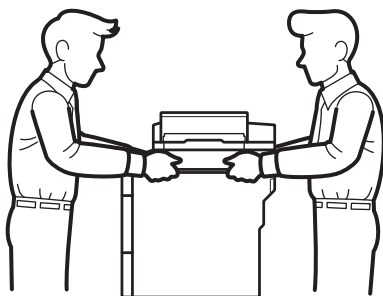
⚠ **CAUTION**

(HL only)

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

(MFC only)

This product is heavy and weighs more than 16.5 kg. To prevent possible injuries at least two people should lift the product by holding it from the front and back.

If you use a Lower Tray, DO NOT carry the product with the Lower Tray as you may be injured or cause damage to the product because it is not attached to the Lower Tray.

(MFC only)

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

If the product is not being used to receive faxes, unplug it from the power socket if it is not going to be used for a long time.

DO NOT attempt to dismantle a toner cartridge. If toner powder should leak out, avoid inhaling it or letting it come in contact with your skin. If either should happen refer to the Safety Data Sheets (SDS) at http://sds.brother.co.jp/sdsapp/index.html.

Keep the toner cartridge out of the reach of children. If toner powder is swallowed, consult a doctor immediately and refer to the Safety Data Sheets (SDS) at http://sds.brother.co.jp/sdsapp/index.html.

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

  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 if available.

- Eye contact

  Obtain medical attention. If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes.

- Ingestion

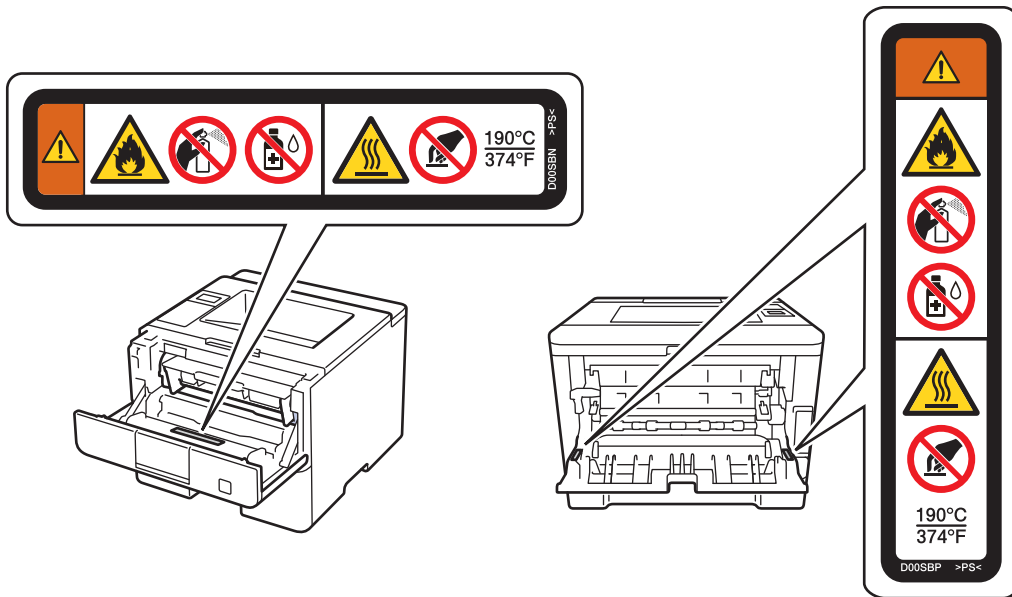 Obtain immediate medical attention. Wash out mouth with water and give 200 - 300 ml (half a pint) of water to drink.

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.

IMPORTANT

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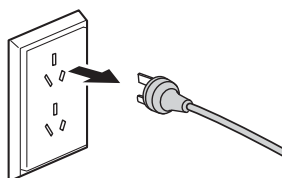
Connecting the product safely

⚠ WARNING

There are high voltage electrodes inside the product. Before you clean the inside of the product, make sure you have unplugged the telephone line cord first (MFC only) and then the power cord from the electrical socket. Doing this will prevent an electrical shock.

DO NOT use the AC power cord to pull or push the plug into the wall socket, use the finger grips on the plug.

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

Always make sure the plug is fully inserted.

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 unsure, contact a qualified electrician.

This product is equipped with a 3-wire earthed plug. This plug will only fit into an earthed power socket. This is a safety feature. If you are unable to insert the plug into the socket, call your electrician to replace your incompatible socket. DO NOT defeat the purpose of the earthed plug.

⚡

(MFC only)

Never touch exposed telephone wiring or terminals unless the telephone line has been unplugged from the wall socket. Never connect the telephone line cord during a lightning storm or use it if it becomes frayed or damaged. Do not use a telephone wall socket in a location that is wet or may become wet, for example, near a refrigerator or other appliances that produce condensation. Doing this may cause an electrical shock.

⚡ 🔥

DO NOT place this product in a position where the cord is stretched or where strain is otherwise put on the cord. Doing so may cause the cord to 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 a fire.

⚡ 🔥

- 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 any undesignated cables (or optional devices). It may cause a fire or injuries. Installation must be performed correctly according to the user's guide.

⚡ 🔥

Brother strongly recommends that you DO NOT use any type of extension cord.

⚡ 🔥

DO NOT allow any type of liquid to come into contact with the plug or power socket.

🔥

DO NOT allow the plug, power socket or the product to become dusty.

Important Safety Instructions

1   This product is equipped with a 3-wire grounding type plug, a plug having three pins. This plug will fit into only a grounding-type power outlet. This is a safety feature. If you are unable to insert the plug into the outlet, contact your electrician to replace your obsolete outlet. DO NOT defeat the purpose of the grounding-type plug.

2   DO NOT place anything on top of the power cord including this product. DO NOT allow the power cord to be stepped on.

3   DO NOT touch a document during printing.

4   Never push objects of any kind into this product through cabinet slots, since they may touch dangerous voltage points or short out parts resulting in the risk of fire or electric shock. Never spill liquid of any kind on the product.

5   Unplug this product from the wall outlet and refer servicing to Authorized Service Personnel under the following conditions:

   ■ If the power cord is damaged or frayed.

   ■ If the product has been spilled by liquid.

   ■ 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 covered by the operating instructions. Incorrect 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 has been dropped or the casing has been damaged.

   ■ If the product exhibits a distinct change in performance, indicating a need for service.

⚠ WARNING

⚡

For protection against the risk of electrical shock, always disconnect all cables from the wall outlet before servicing, modifying or installing the equipment.

IMPORTANT

• This equipment may not be used on coin service lines provided by the telephone company or connected to party lines. (MFC only)

• Brother cannot accept any financial or other responsibilities that may be the result of your use of this information, including direct, special or consequential damages. There are no warranties extended or granted by this document.

Servicing the product

⚠ WARNING

DO NOT attempt to service this product yourself because opening or removing covers may expose you to dangerous voltage points and other risks and may void your warranty. If you experience any problems with your product, contact Brother customer service or your local Brother dealer.

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 electrical socket and contact Brother customer service or your local Brother dealer.

If water, other liquids, or metal objects get inside the product, immediately unplug the product from the AC power socket, and contact Brother customer service or your local Brother dealer.

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 electrical socket. Contact Brother customer service or your local Brother dealer.

IMPORTANT

If the product does not operate normally when the operating instructions are followed, adjust only those controls that are covered by the operating instructions. Incorrect 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.

Product Warranty & Liability

Nothing in this guide shall affect any existing product warranty or be construed as granting any additional product warranty. Failure to follow the safety instructions in this guide may invalidate your product's warranty.

⚠ WARNING

⚠ ⚠

DO NOT use this product near water, for example, near a bath tub, wash bowl, kitchen sink or washing machine, in a wet basement or near a swimming pool.

⚠ ⚠

Only use the power cord supplied with this product.

Disconnect device

⚠ CAUTION

This product must be installed near an electrical socket that is easily accessible. In case of emergencies, you must disconnect the power cord from the electrical socket to shut off power completely.

Approval Information (MFC only)

THIS EQUIPMENT IS DESIGNED TO WORK WITH A TWO WIRE ANALOGUE PSTN LINE FITTED WITH THE APPROPRIATE CONNECTOR.

Brother advises that this product may not function correctly in a country other than where it was originally purchased, and does not offer any warranty in the event that this product is used on public telecommunication lines in another country.

IEC60825-1:2014 Specification (For 220-240V Models Only)

This product is a Class 1 laser product as defined in IEC60825-1:2014 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.

1类激光产品
CLASS 1 LASER PRODUCT

Internal Laser radiation

Wave length: 775 - 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 radiation exposure.

Notes on Using the Wireless Network Models

1 For Wireless LAN Function of the Equipment

- Operating frequency: 2.4 - 2.4835 GHz

- Equivalent isotropic radiated power (EIRP): $\leq$ 100 mW

- Maximum power spectral density: $\leq$ 20 dBm / MHz (EIRP)

- Carrier frequency tolerance: 20 ppm

- Out-of-band emission power (Outside the 2.4 to 2.4835 GHz frequency band)

  $\leq$ -80 dBm / Hz (EIRP)

- Spurious emission (radiation) power (Outside the range of the corresponding carrier $\pm$ 2.5 times the channel bandwidth):

  $\leq$ -36 dBm / 100 kHz (30 - 1000 MHz)

  $\leq$ -33 dBm / 100 kHz (2.4 - 2.4835 GHz)

  $\leq$ -40 dBm / 1 MHz (3.4 - 3.53 GHz)

  $\leq$ -40 dBm / 1 MHz (5.725 - 5.85 GHz)

  $\leq$ -30 dBm / 1 MHz (1 - 12.75 GHz for others)

2 For NFC function of the Equipment

- Operating frequency: 13.553 - 13.567 MHz

- The magnetic field strength of emission at the distance of 10 meters away from the equipment shall not exceed 42 dBμA/m (based on quasi-peak detection mode);

- Frequency tolerance: $\leq 100 \times 10^{-6}$

- Spurious radiation: For the equipment within the 13.553-13.567 MHz frequency band, the offset threshold from the 140 kHz frequency range at the both ends of the frequency band is 9 dBμA/m (at 10 meters away, quasi-peak).

3 DO NOT, without appropriate permission, attempt to alter the emission frequency or increase the emission power (including by installing an additional RF power amplifier), or connect any external antenna or use any unspecified transmitting antenna.

4 This equipment must not cause harmful interference to other radio services. In case such interference occurred, the equipment must be stopped immediately and cannot be used until the appropriate measures are taken to eliminate the harmful interference.

5 This micro-power wireless equipment must accept any interference caused by the legal operation of other radio services or radiated interference received from the industrial, scientific and medical appliances.

6 DO NOT use this equipment anywhere near the plane or airport.

LAN connection (Network models only)

⚠ CAUTION

DO NOT connect this product to a LAN connection that is subject to over-voltages.

Radio interference

This product complies with EN55022 (CISPR Publication 22)/Class B.

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

Copyright and License

Other Information

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- Currency
- Bonds or other certificates of indebtedness
- Certificates of Deposit
- Armed forces service or draft papers
- Passports
- Postage stamps (cancelled or uncancelled)
- Immigration papers
- Welfare documents
- Cheques or drafts drawn by governmental agencies
- Identifying badges or insignias

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