

Recycler Guide, TOMRA T9 BC

90360001



Original

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About this guide

This product contains electrical and electronic components that should be recycled by a specialist electronics recycler. Disposal and recycling of products containing electrical and electronic components may be governed by national environmental legislation.

This guide provides information pertaining to the decommissioning and recycling of TOMRA reverse vending machines and backroom equipment pursuant to the European Community directive 2012/19/EU on waste electrical and electronic equipment (WEEE).

This information shall identify the different EEE components and materials, as well as the location of dangerous substances and mixtures in EEE so that they can be properly handled. If you have any questions or feedback regarding this guide, please contact us on www.tomra.com.

Disclaimer

This Recycler Guide is intended only for information purposes. It does not guarantee the composition of any product or that the product will retain a specific composition for a specific period.

The Recycler Guide provides information on the disassembly process of a product to assign the components to the correct recycling channels. The values given are only valid in this specified context and cannot be used to create the environmental compatibility assessment of a product.

Reuse of disassembled components is not permitted. TOMRA therefore assumes no liability for errors or consequences that may result from the use of this information for anything other than assigning the product components to the correct recycling channels.

Safety instructions

Introduction

TOMRA Systems ASA is not liable for any damage caused by incorrect actions taken during the disassembly of the product/system.

The recycler is responsible for ensuring the safety of its employees performing disassembly of TOMRA products.

Safety symbols

Safety symbols are used on the safety labels on TOMRA machines. The table below lists the commonly used symbols and explains what they mean. Not all warnings will be relevant for all products.



NOTE: These symbols are designed for machine use during operation. Not all warnings may be relevant for the purpose of recycling but may be useful to understand the components that are being disassembled.

Table 1: Mandatory actions







Symbol	Description
	Refer to the instructions.
	Use protective gloves.
	Use ear protection.
	Use eye protection.
	Switch off power before carrying out maintenance or repair.
	Disconnect the mains power cable before carrying out maintenance or repair.

Table 2: Prohibited actions










Symbol	Description
	Do not reach in.
	Do not clean with a hose or spray with water.
	Do not step on this surface.

Table 3: Warnings

Symbol	Description
	General warning sign. Indicates a warning, caution or presence of a hazard, specified by text or symbol.
	Electricity hazard: <ul style="list-style-type: none"> • Disconnect power before opening or handling • High voltage present • No serviceable parts inside
	The system can start without warning.
	Drawing in and crush hazard. Keep hands and clothes clear.
	Indicates an overhead obstacle.
	Tip-over hazard. The machine is top-heavy and may tip over when transported.

Disassembly instructions

Disassemble the TOMRA T9 BC

Part ID

T-9 BC (90360001)

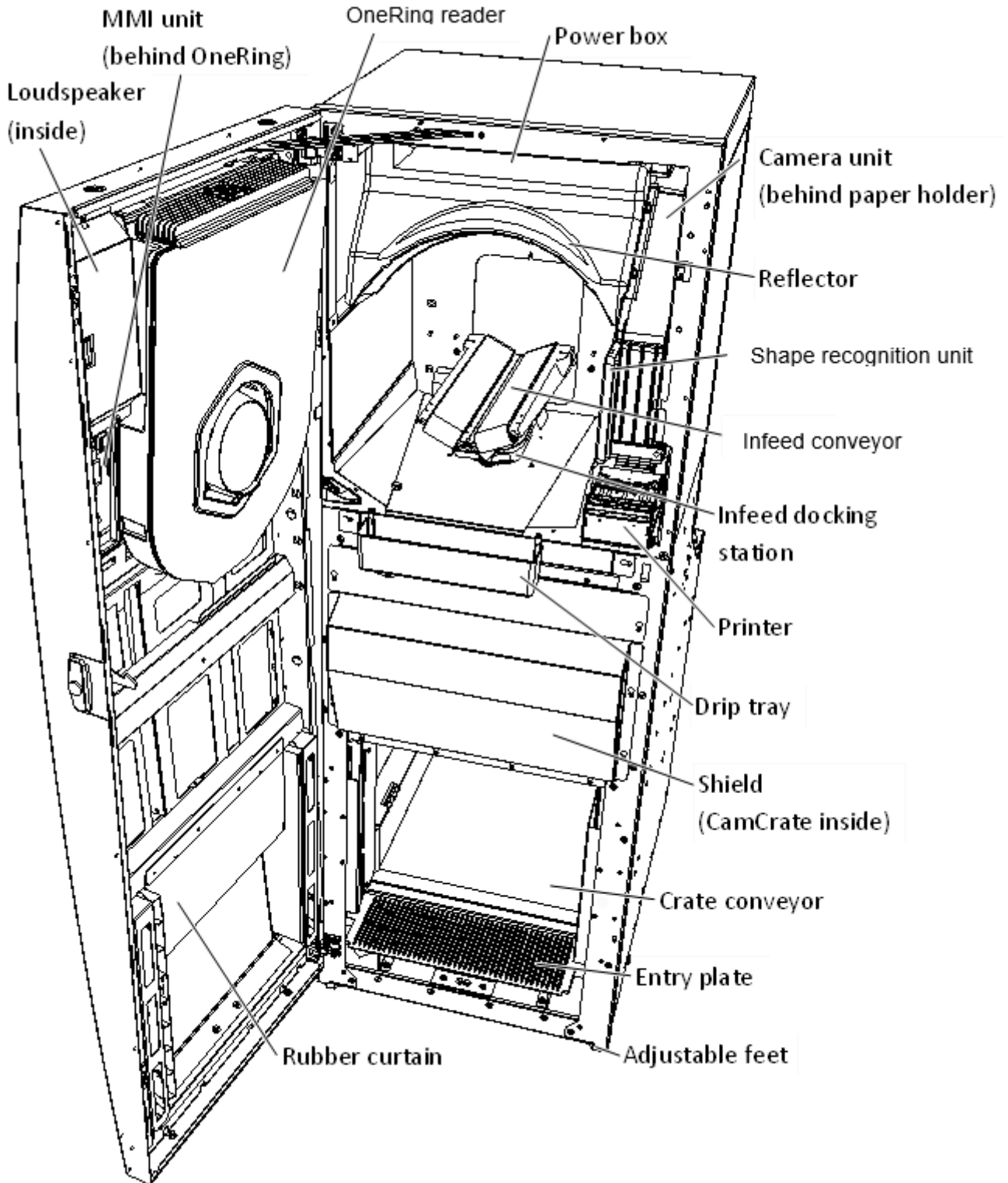
Recommended tools

- Socket wrenches 10, 13 and 17 mm
- Torx screwdrivers T20, T25 and T30
- 4 mm Allen key
- Crosshead screwdrivers PZ1 and PZ2
- Side-cutting pliers

Disassemble all parts and sort the components per material types listed below. Do not mix material types.



Main parts



Material types



NOTE: There are variants of this machine, minor weight differences may occur.

Material



Steel and iron

Weight

158.0 kg

Material	Weight
Aluminum	2.8 kg
Electrical, electronic, and electromechanical (EEE) parts	9.0 kg
Plastic	13.0 kg
Rubber	2 kg
Float glass	10.3 kg

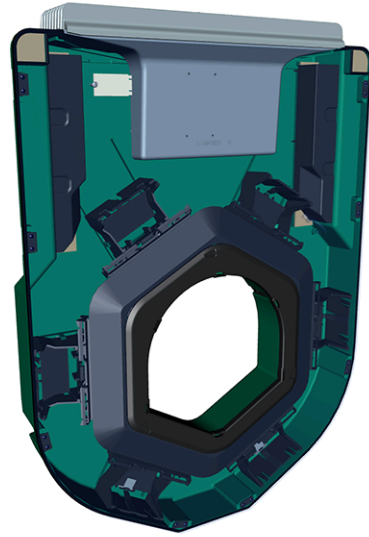
Recommended disassembly procedure

Step	Materials
1 Remove the MMI unit.	Steel, EEE parts (cables, circuit boards), plastic, glass
2 Remove the decor plates, the profiles, the light bar and the loudspeaker.	Steel, plastic
3 Remove the door frame.	Steel
4 Remove the internal components: <ul style="list-style-type: none"> • OneRing reader • infeed conveyor • infeed docking-station • arch reflector • paper holder • printer • shape-recognition unit with camera • shape reflector • power box • crate conveyor • crate camera 	Steel, iron, EEE parts (cables, circuit boards, motor), plastic, glass  NOTE: Circuit boards shall be destroyed/ grinded
5 Remove the cables.	EEE parts
6 Disassemble the assembled units: <ul style="list-style-type: none"> • OneRing reader* • infeed conveyor • infeed docking-station • arch reflector • MMI unit • power box • crate conveyor • crate camera 	Steel, iron, EEE parts (cables, circuit boards, motor), plastic, glass  NOTE: Circuit boards shall be destroyed/ grinded

Step

Materials

*The OneRing reader has a glass cover that shall be removed and recycled





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