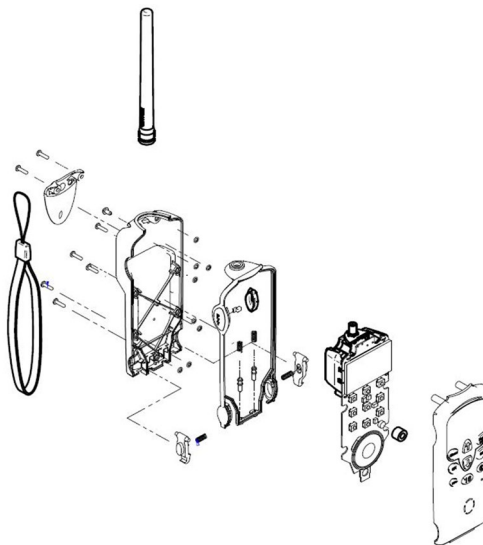# Tron TR20 GMDSS Radio
Product Dismantling and Recycling
Part Number: 99930

1) Tools are required to dismantle the Tron TR20 radio, the TR20 charger, and the batteries.

2) Separate the battery from the radio and remove the screws to access the printed circuit board inside.

3) Recycle the plastic parts, metal, rubber gasket, and electronic circuit board according to local regulations.

4) The Tron TR20 charger consists of a plastic housing and a circuit board, both must be recycled according to local regulations.

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Performance for Life

MECHANICAL /HOUSING	ELECTRONICS	BATTERY
The mechanical housing for the TR20 radio, the TR20 charger, and the TR20 batteries are mainly made of plastic granulate.	There is one printed circuit board inside the Tron TR20 radio unit that contains electronic components. There is one printed circuit board inside the Tron TR20 charger that contains electronic components. Some of the boards may contain critical materials which should be recycled.	The Tron TR20 Emergency battery consists of 6 cells of primary lithium batteries of the Energizer L-91 type. The Tron TR20 rechargeable battery consists of 6 cells of NiMh batteries. Details about the Tron TR20 batteries can be found on www.jotron.com under the specific product and download section.

PROPER PRODUCT RECYCLING

For proper product disposal and recycling, please:
- Consult your local authorities about your country's disposal and recycling rules and regulations.
- Observe the applicable WEEE (Waste from Electrical and Electronic Equipment) rules.

Tron TR20 GMDSS Radio
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CRITICAL RAW MATERIAL (CRM) CONTENT PER COMMODITY TYPE

Critical raw materials (CRMs) are of high economic importance and have a high risk of supply chain disruption. In 2023, EU published a fifth list of 34 CRMs in the Annex II of the Regulation proposal COM(2023) based on the Study on the Critical Raw Materials for the EU 2023 – Final Report.

Based on the fifth list from 2023 of critical raw materials for the EU, Jotron has conducted an analysis of CRM content in the company's products. The content is limited to information sourced by responses and documentation from suppliers and manufacturers. The sourcing of documentation was done by questions on email, phone calls, meetings and searching verified online pages. The CRM content is limited to commodity group, not part specific.

The table below lists Jotron's commodity types that may contain critical raw materials (CRMs).

Capacitor	Connector	Diode	Fasteners	Fuse
Aluminium (bauxite) Copper	Brass (copper) Nickel	Copper Silicon	NA	Aluminium (bauxite) Copper Nickel
Inductive parts	**Integrated circuit**	**Memory**	**Metal sheet**	**Opto**
Magnesium Titanium dioxide	Aluminium (bauxite) Copper	Aluminium (bauxite) Baron Copper	Aluminium (bauxite) Copper Nickel	Fluorine Possible terbium* in display
Printed circuit boards	**Relay**	**Resistor**	**Switchers**	**Batteries**
Copper	Aluminium (bauxite) Copper Nickel	Aluminium (bauxite) Bismuth Boron Nickel Silicon Titanate (titanium)	Aluminium (bauxite) Copper Manganese Nickel Silicon	Aluminium Cobolt Copper Gallium Lithium Manganese Nickel

*heavy rare earth element