## A Jotron guide on how to separate an original battery vs counterfeit battery.

The following information is to whom it might concern and is a guide on how to distinguish an original Jotron spare battery from a counterfeit Jotron battery.

It is important to underline that the examples on counterfeit batteries in this document are not representing all variants of counterfeit Jotron batteries, since some also are fitted with labels using Jotron logo. In addition, some of the labels used on counterfeit batteries are with other languages than English, languages Jotron never use on original spare batteries.

Jotron hope this guide can be of assistance for the crew onboard vessels, Radio Surveyors, ship owners and flag-state authorities.

Jotron never compromises in safety and has made this guide so that Jotron safety (GMDSS) products will perform in accordance with the products specifications, in a distress situation.

### Original Jotron batteries as obsolete and in production.

| Jotron Product | Battery P/N | Expiry year-latest | Exists original batteries with valid expiry date and production status | Latest production date |
|---|---|---|---|---|
| **Tron SART** | 96978 | 2027 | **Yes but no longer in production** | 2021 |
| **Tron VHF** | 93002 | 2024 | **No and no longer in production** | 2019 |
| **Tron AIR** | 93002 | 2024 | **No and no longer in production** | 2019 |
| **Tron 40S** | 97780/84523 | 2021 | **No and no longer in production** | 2015 |
| **Tron 45SX** | 84524 | 2024 | **No and no longer in production** | 2018 |
| **Tron S-VDR** | 86804/81847 | 2021 | **No and no longer in production** | 2015 |
| **Tron 40GPS** | 97780/84523 | 2021 | **No and no longer in production** | 2015 |
| **Tron TR20 GMDSS** | 80060 | 2032 | **Yes but no longer in production** | 2024 |
| **Tron 40S mkII** | 83056 | 2031 | **Yes but no longer in production** | 2024 |
| **Tron 40GPS mkII** | 83056 | 2031 | **Yes but no longer in production** | 2024 |
| **Tron 60S/GPS** | 86225 | NA | Yes and in production | |
| **Tron SART20/AIS-Sart** | 82615 | NA | Yes and in production | |
| **Tron 40VDR** | 89340 | NA | Yes and in production | |
| **Tron 40AIS** | 103560 | NA | Yes and in production | |
| **Tron 60AIS** | 103570 | NA | Yes and in production | |
| **Tron 40VDR AIS** | 103550 | NA | Yes and in production | |
| **Tron TR30** | 101035/36 | NA | Yes and in production | |

## Jotron original Tron TR30 GMDSS(Emergency) battery














- Outside the Jotron original TR30 Emergency GMDSS battery product box, you will always find a label with correct info on part no., name, serial/lot no., and a unique QR-code
- A Jotron original battery kit consists of battery and a dedicated expiry date label
- The battery cells **are of type Energizer L91**, which is also listed in the TR30 Radio MED-B certificate. Valid certificates are available for download on Jotron web
- On the battery, you will find an operator label on the orange side of the battery, while on the "transparent" side you will find proper sealing label. When flipping the upper part of the "remove seal before use" label, you will on the inside of the transparent cover find a firmed label with final battery expiry date.

## Typical counterfeit TR30 GMDSS (Emergency) battery







- Counterfeit TR30 Emergency GMDSS battery is normally fitted with wrong type of labels, on both sides. On the orange side, no operation instruction is given. On the transparent side, the sealing label lacks mandatory information. Both labels are not according to latest IEC-61097-12 standard.
- Battery cells are **NOT Energizer L-91** and therefore **do not comply** with the radios **MED-B approval**.

## Jotron original Tron Sart20 and Tron AIS Sart battery

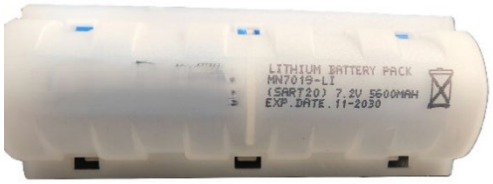







- Outside the original Sart20 and AIS Sart battery product box, you will always find a label with correct info on part no., name, serial/lot no., and a unique QR-code
- A Jotron original battery kit consists of battery, two different gaskets, an expiry date label, a sealing label, a silica gel bag and a quick guide on how to replace the battery
- The battery cells inside the battery **are two SAFT LSH 14 Light** cells which is also listed in Jotron Sart`s MED-B certificates. It is easy to detect and read the name of the cells from the outside of the battery since a Jotron original battery has rather transparent battery compartment. Valid certificates are available for download on Jotron web.

## Typical counterfeit Tron Sart20 and Tron AIS-Sart battery







- A counterfeit Tron Sart20 and Tron AIS-Sart battery is never delivered with correct and important accessories kit. Normally a counterfeit battery is only delivered with the battery.
- Battery cells **are never SAFT LSH-14 light cells** and therefore **do not comply** to the Sart`s **MED-B approval.**

**Jotron AS**
Ringdalskogen 8 / 3270 Larvik / Norway
Certifications: ISO-EN 9001, 14001, 27001 / Reg. no. NO917713324 MVA
Tel: +47 33 13 97 00
jotron.com

## Jotron original Tron 60S and GPS SBM battery kit







- Outside the original Jotron Tron 60S and GPS SBM battery kit product box, you will always find a label with correct info on part no., name, serial/lot no., and a unique QR-code.
- The original Jotron kit consists of the battery, new equator-ring(2-parts), new gasket, a SBM label incl expiry date information, a manufacture date and final expiry date label, two transparent labels and a silica gel bag.
- On the battery you will find a warning label and an info label plus some unique QR code labels. It is possible to read the battery cells name from the outside of the battery compartment.
- Battery cells inside an original Jotron battery **shall always be Energizer L-91**. This is stated in the product MED-B, RED and Cospas-Sarsat certificates, which are available for download on Jotron web

## Typical counterfeit Jotron Tron 60S and GPS battery






- Counterfeit Jotron Tron 60S and GPS battery is never delivered without necessary accessories, like labels, gaskets etc.
- Lack of new replacement gasket can result in leakage.
- Counterfeit battery consists of other battery cells than Energizer L-91 and therefore **does not comply with the product MED-B, RED or Cospas-Sarsat approvals.**