

# The following information was taken from [Survivalmom.com](http://thesurvivalmom.com)

Reference: <http://thesurvivalmom.com/why-and-how-to-protect-your-gear-from-emp/>



## What is a Faraday cage?

The Faraday cage is named after Michael Faraday, the scientist who discovered its properties for shielding against electromagnetic waves, including electricity. Faraday shielding doesn't actually have to be a cage, it's simply anything that blocks electromagnetic radiation. You can build your own at home using aluminum foil and a galvanized steel trash can, ammo can, metal cabinet. All it takes are some common household items.

You can test how effective a galvanized container is at shielding electromagnetic frequencies by using an AM/FM radio. If you can still hear a strong radio station with lid on, there is too much radio frequency leakage.



1. Tape all seams and penetrating rivets to "seal" out electromagnetic signals in metal container
2. Remove batteries before placing equipment in a cardboard box or wrapping with insulating material (paper bubble wrap, plastic bags)
3. Wrap in three layers of foil (heavy duty preferred)
4. Wrap in insulating material (heavy paper, bubble wrap, or plastic)
5. Remember to identify contents on outside of equipment package
6. Place in galvanized garbage can and keep an inventory in two locations of the contents of your storage container



Tape Galvanized Container Seams



Place in insulated Box



Triple wrap in heavy duty foil



Or place in insulated faraday box (ammo can)



Or put in plastic bag and wrap in foil



Put wrapped & insulated equipment in galvanized container

### Contents Inventory (at two locations)

- Motorola 2-way radios (2)
- Calculator (solar)
- Flashlight, (dynamo)
- 2 Broadband radio receivers (dynamo)
- Laptop computer & external hard drives or thumb drives
- Solar panel and power inverter
- Blood pressure, temperature, O2 meter

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