Whether damaged, defective, recalled, or used, (DDR) we accept all lithium battery types. Defective lithium batteries have a significant thermal risk and deteriorated mechanical integrity. The battery may be swollen, bloated with cracks, leaking, have corrosion, burn marks, or simply subject to a recall. This kit equips you to package any affected battery for storage, shipping, and material reclamation.

## Correctly Packaging DDR Lithium Batteries or Devices

1. **Step 1**
   - Take off locking ring to remove lid. Remove the CellBlock from the drum. Leave drum liner inside the drum.

2. **Step 2**
   - Open the CellBlock and pour into the drum, minimally 1/2” deep.

3. **Step 3**
   - Place each damaged battery/device into antistatic bags and seal.

4. **Step 4**
   - Put the bagged damaged items into drum with each item being surrounded by CellBlock on all sides.

5. **Step 5**
   - Repeat step 4 for any remaining DDR items. Add more CellBlock to ensure items are not touching with a 1/2” border between them.

6. **Step 6**
   - Repeat steps 4-5 until drum is full. When all DDR items are layered properly, cover top with 1/2” deep of CellBlock to ensure safety.

7. **Step 7**
   - Seal locking drum. IMPORTANT: See next page for further instructions.

8. **Step 8**
   - Band drum(s) to pallet. Wrap drum(s) in shrink wrap to further secure to pallet, creating shipping overpack.

### Attention Battery Solutions, LLC. Customers - Notice to Comply:

As the shipper of record you must fully comply with all U.S. Department of Transportation regulations.
DDR 400 Kit (Damaged Lithium)
Packaging & Shipping Instructions

800.852.8127 | batterysolutions.com
customerservice@batterysolutions.com

Step 7. Close Drum Lid

A. Place Lid on Drum
The metal lid should be placed on the drum’s rim. To ensure proper alignment, press the along the lid edges.

B. Adjust Locking Ring
Place the locking ring over the rim of the drum, with making sure it is secured around all sides.

C. Align Locking Ring
Align the locking ring with the screw connected through both holes of ring.

D. Place & Lock Ring
Use drill to ensure that locking ring is secured tightly.

See manufacturer for closer instructions here: https://batterysolutions.com/closure-instructions-ddr-400-drum

Important Notes

Kit Limitations:
Total combined battery/device weight is limited to gross weight 181.4kg (400 lbs). Only one battery or device per anti-static bag. Packages containing damaged or defective lithium batteries are forbidden from air transport.

Bag & Protect Batteries:
Batteries must be sealed in anti-static bags and insulated with appropriate packaging material, in a manner to prevent short circuits during transportation. Non-conductive tape must be used when taping exposed terminals and wires.

Marks/Labels Required:
The following marks are required for shipments of Li-ion EV batteries:
- Shipping from address
- Ship to address
- The appropriate labels from the listed, as seen below (appropriate labels are included in kit)

Included in Kit

- Overpack Box
- Metal Drum
- Metal Lid
- Locking Ring
- CellBlock
- Drum Liner
- Anti-Static Bags
- Special Permit Label
- Lithium UN Label
- Tape Strip
- Zip Tie
- Instruction Sheet

Any UN numbers not included in kit should be covered or crossed out before shipping.

- UN3480 - Lithium-ion Batteries
- UN3481 - Lithium-ion Batteries contained in equipment
- UN3090 - Lithium Metal Batteries
- UN3091 - Lithium Metal Batteries contained in equipment

*This information is interpreted directly from the Transportation code, contained in Title 49. Please refer to that code for more detailed info on the shipping of batteries according to the U.S.D.O.T.

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