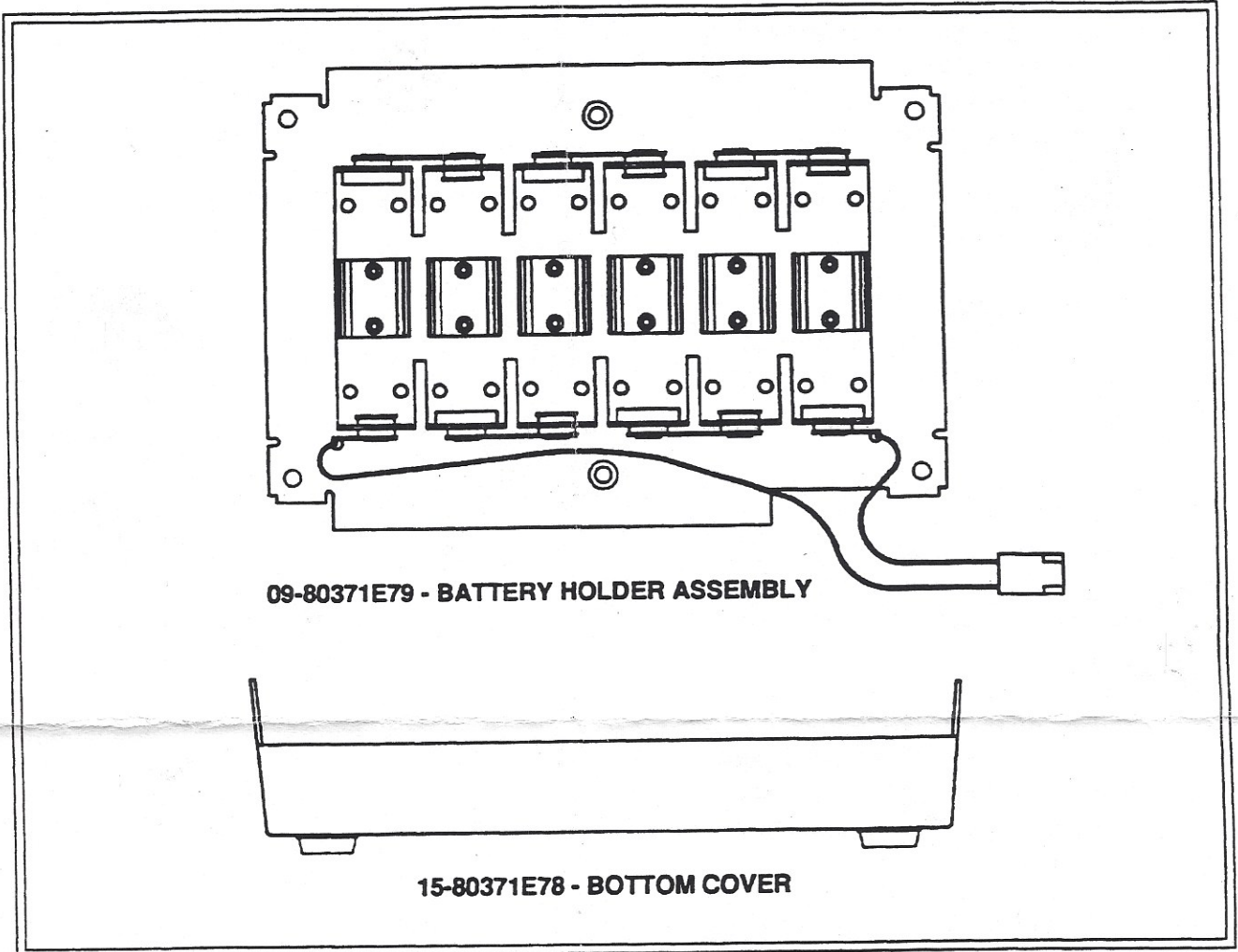




MOTOROLA
Americas Parts Division

RLN-4488A
RLN-1015 SmartRIB
BATTERY PACK

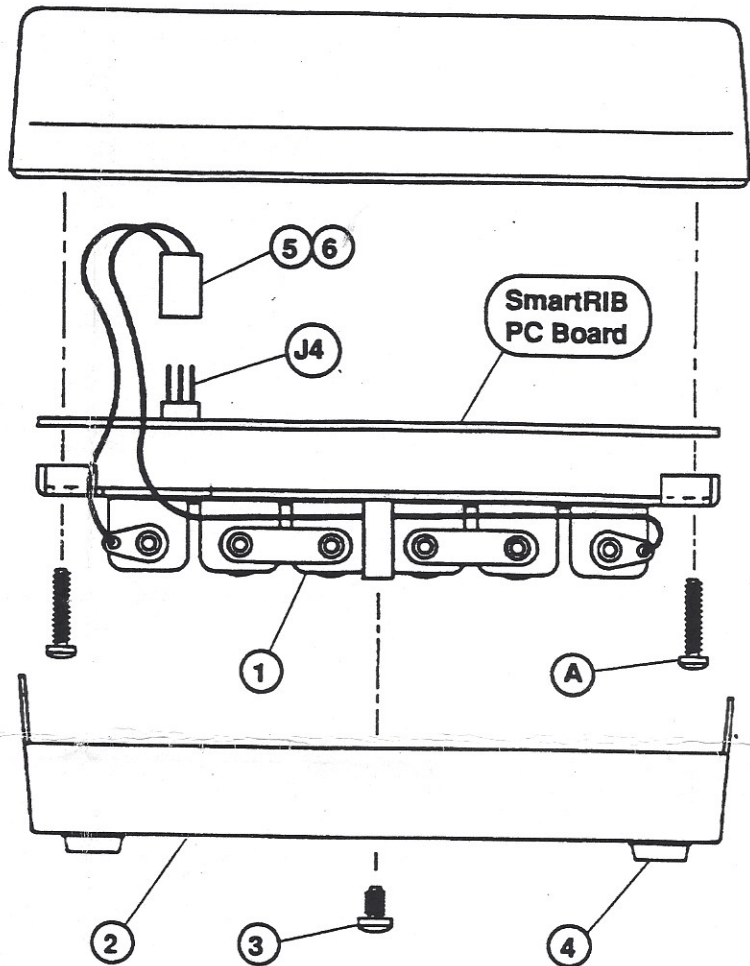


The RLN-4488A SmartRIB Battery pack attaches to the bottom of the RLN-1015 SmartRIB. The battery pack holds 6 AA cell alkaline batteries, supplying 9.0V that powers the SmartRIB up to 50 hours in standby mode and up to 20 hours in Flashing mode. Battery voltage reaches the main board through a power cable that plugs into J4. When the batteries discharge to a preset level, the SmartRIB power LED will blink at a fixed rate. At this time it is advisable to change the batteries for proper SmartRIB operation. Refer to SmartRIB manual 6880309F20 for more detail.

The SmartRIB may also be powered by one of two sources: 1) the 120VAC-to-12VDC wall transformer (0180302E27) OR 2) the 220VAC-to-12VDC wall transformer (2580373E86). Use of these external power supplies whenever possible, will extend battery life.

INSTALLATION INSTRUCTIONS

1. Prior to SmartRIB disassembly, ensure that the proper ESD safety measures are in place.
Note: Do not install the batteries until Step 8.
2. Remove the existing SmartRib bottom by removing the 4 bottom screws. These screws will be reused to fasten the battery holder assembly.
3. Remove the SmartRib circuit board from the housing.
4. Plug in the battery holder assembly's power connector into the mating connector (J4) located on the SmartRIB board.
5. Carefully position and hold the SmartRIB PC board and battery holder assembly back-to-back. Dress the wire leads around the edge of the circuit board at the notch in the frame.
6. Insert them together into the plastic housing making sure that the power L.E.D. leads have not been bent. Also make sure that the black plastic dust shield is in place at the 9 pin "D" connector.
7. Attach the battery holder assembly using the 4 screws previously removed (A). **Do not overtighten.**
8. Install 6 "AA" alkaline batteries (6080390B60 or 6005310A01). **Observe polarity.** The positive (+) battery terminals should be toward the red insulators.
9. Attach metal bottom cover using the 2 screws provided (3) in the RLN-4488A kit. The original plastic bottom is not used.



REPLACEMENT PARTS

| REF NO. | MOTOROLA PART NO. | DESCRIPTION (QTY) | REF NO. | MOTOROLA PART NO. | DESCRIPTION (QTY) |
|---------|-------------------|-----------------------------|---------|-------------------|--------------------------------------|
| 1 | 09-80371E79 | Battery Holder Assembly | 5 | 15-83142M10 | Connector Housing |
| 2 | 15-80371E78 | Bottom Cover | 6 | 39-82717M01 | Contacts (2) |
| 3 | 03-135961 | Screw, Mach. 6-32 x 1/4 (2) | A | 03-10945A14 | Screw, Tapping (4) (Part of RLN1015) |
| 4 | 75-83951F01 | Rubber Foot | | | |

Add to SRIB manual (6880309F20-A) for „D“ version

1. Add C102 (220PF) (2113740B57) between Pins 12 and 13 of U17 and ground.
2. Add a connection between Pin 32 of U4 and Pin 82 of U3.
3. Change cathode connection of VR1 (15V Zener) (4813830A28) from U3 Pin 41 to junction of R22&C37. The anode remains connected to ground.
4. Add R44 (10R) (0660076A01) from junction of R22, C37 and VR1 to SWAB

HW-SMR