

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD.
Kodomo, Osaka, Japan

BEFORE PLAYING THIS RADIO,
READ THIS INSTRUCTION BOOK COMPLETELY.



INSTRUCTION BOOK

MODEL R-118



ALL TRANSISTOR PORTABLE RADIO

NATIONAL PANASONIC

SPECIAL FEATURES

1	Pocket Miniature Size
2	6 Transistors plus 1 Diode
3	Smart and Attractive Plastic Cabinet
4	Built-in Ferrite Core Antenna
5	Earphone/External Speaker Jack

Just a few minutes of your time spent carefully reading through this instruction book will assure your obtaining optimum performance that will bring you continued enjoyment for many years.

HELPFUL HINTS

- Battery consumption is dependent upon the volume of the radio. When the radio is played at lower volume, the battery will last longer.
- Battery life will be extended by playing the radio for a few hours at a time, rather than many continuous hours.
- Should the radio not be used for any great length of time, remove battery to prevent damage due to battery leakage.
- When volume level begins to lower, it is advisable to replace battery before it is completely discharged, as battery leakage may damage the radio.
- Do not subject the radio to a temperature of over 50°C (120°F), as transistor characteristics may be adversely affected by heat.
- DO NOT USE A SOLUTION CONTAINING BENZOL OR PETROLEUM to clean cabinet. Wipe off dust and stains with a soft cloth saturated with soap and water only.

BATTERY INSTALLATION

- Pry the back cover open with a coin or key as shown in Fig. 1.
 - Insert two "AA" size (NATIONAL UM-3 or equivalent) penlight batteries into the battery compartment.
- OBSERVE CORRECT POLARITY. (Fig. 2)
Then attach back cover.



Fig. 1



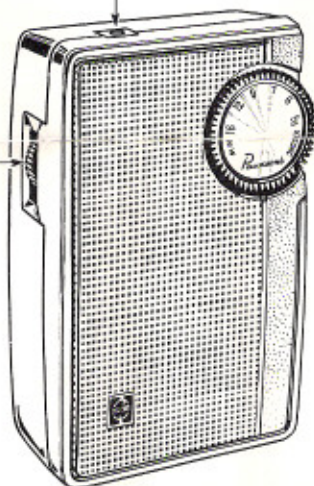
Fig. 2

OPERATING THE RECEIVER

EARPHONE/EXTERNAL
SPEAKER JACK

TUNING CONTROL

OFF-VOLUME
CONTROL



- OFF-VOLUME Control... Turn downwards to switch radio ON, and adjust for a reasonable sound level. To switch radio OFF, turn knob upwards until a click is heard.
- TUNING CONTROL... Tune to your favorite station by turning this knob.
- As the powerful built-in ferrite core antenna is directional, slowly rotate radio to obtain best possible reception.

EARPHONE/EXTERNAL SPEAKER

- Connect the earphone, or an external speaker into the EARPHONE/EXTERNAL SPEAKER JACK.
- The speaker in the radio is automatically disconnected.

SPECIFICATIONS

Freq. Range :	525~1605 kc/s (571~187m)
I. F. :	455 kc/s
Transistors :	2SA102 Conv. 2SA101 1st IF Amp. 2SA101 2nd IF Amp. 2SB175 AF Amp. 2SB176×2 Power Amp. (push-pull)
Diode :	0A90 Det. & AGC
Power Output :	150 mW
Speaker :	6cm (2¼") PM dynamic speaker
Batteries :	Two "AA" size penlight bat- teries, 3V (NATIONAL UM-3 or equivalent)
Dimension :	64(w)×98(h)×31(d)mm (2½"×3¾"×1⅜")
Weight :	200g (7 oz) with batteries