



OWNERS MANUAL

IC-M100

VHF MARINE TRANSCEIVER



ICOM INCORPORATED

FOREWORD

Thank you for choosing the **IC-M100**, one of the finest VHF FM Marine Transceivers on the market today. It was designed and built by ICOM INCORPORATED, a long-time leader in the field of VHF communication. This transceiver incorporates state-of-the-art technology, and it was built specifically for Marine applications using experience gained over a long period of time.

Please read this owner's manual carefully before using your **IC-M100** transceiver. With proper care, the **IC-M100** will provide many years of dependable and enjoyable communication.

UNPACKING

Accessories included with the IC-M100:	QTY.
1. Mounting Bracket	1
2. DC Power Cable with Microphone Hanger Box	1
3. 8-pin ACC Connector Plug	1
4. Mounting Self-tapping Screws	4
5. Mounting Bolts	4
6. Mounting Nuts	4
7. Flat Washers	8
8. Spring Washers	4
9. Self-tapping Screws for Microphone Hanger	2
10. Mounting Bracket Key	2
11. Fuses (10A)	2

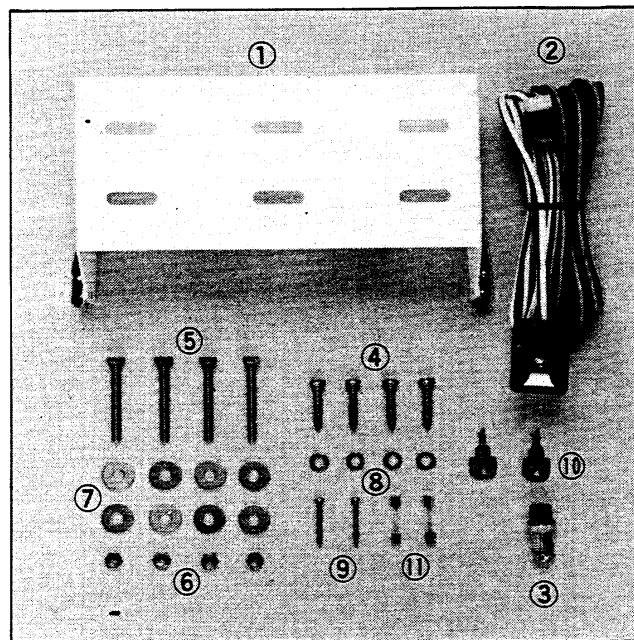


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SECTION 1 FEATURES

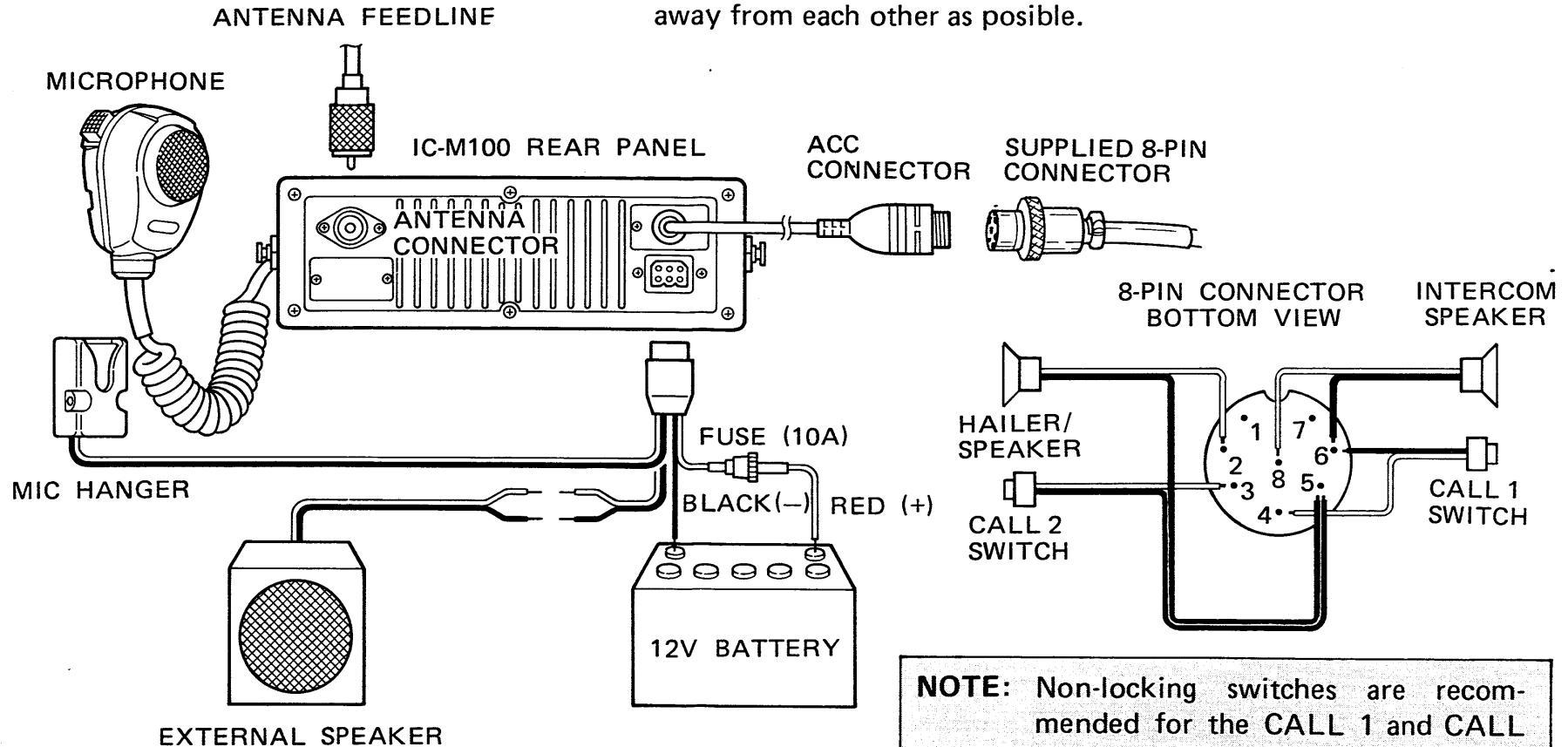
- All marine and weather channels pre-programmed.
- Weatherproof and dust-tight case, molded frame.
- 16 user-programmable memory channels with a backup lithium battery.
- 4 different channel scanning systems.
- HAILER and INTERCOM operations available.
- Dual watch mode for monitoring channel 16 while listening on a different channel.
- Auto-monitor for channel 16.
- Advanced RF front end circuit with helical resonators, MOSFETs and both crystal and ceramic filters for improved adjacent channel and intermodulation rejection.
- High power, distortion-free audio output.
- Mounting bracket with adjustable viewing angle.
- Optional DTMF microphone available.
- Newly designed display that uses a soft orange illumination for easy visibility when operating on bright days.
- Two different colors white and gray available.

SECTION 2 INSTALLATION

2 - 1 MOUNTING LOCATION

Avoid long cable runs to the antenna, power source, and HAILER/INTERCOM cables. Keep these cables as far away as possible from electrical pumps, generators and other electronic instruments.

Keep the HAILER/INTERCOM cable and ANTENNA cable as far away from each other as possible.

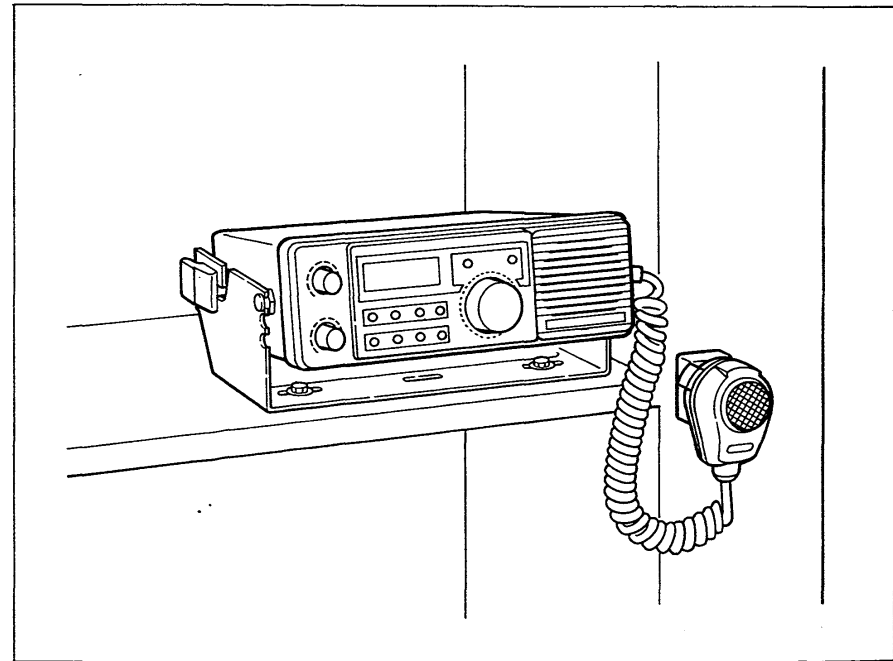
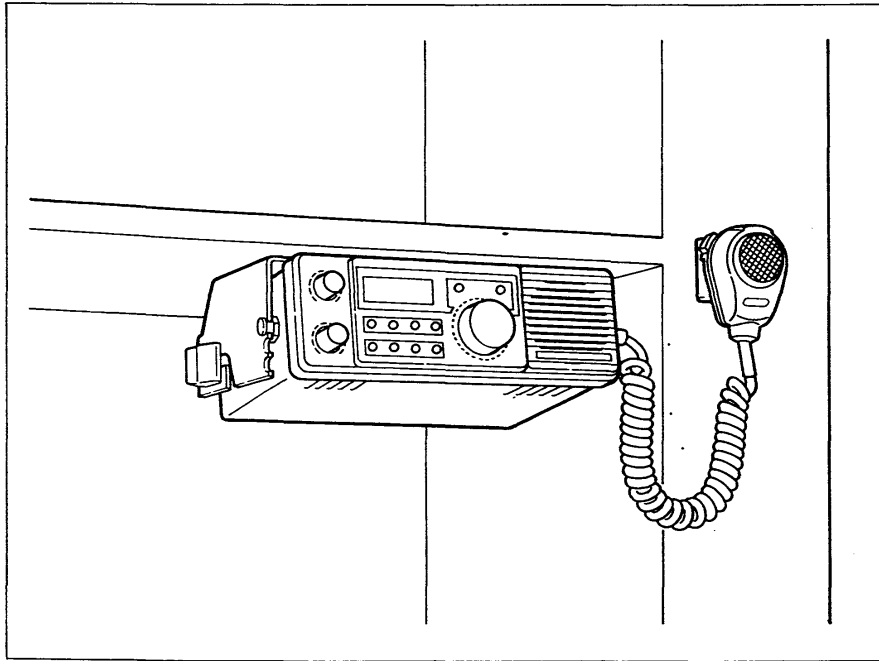


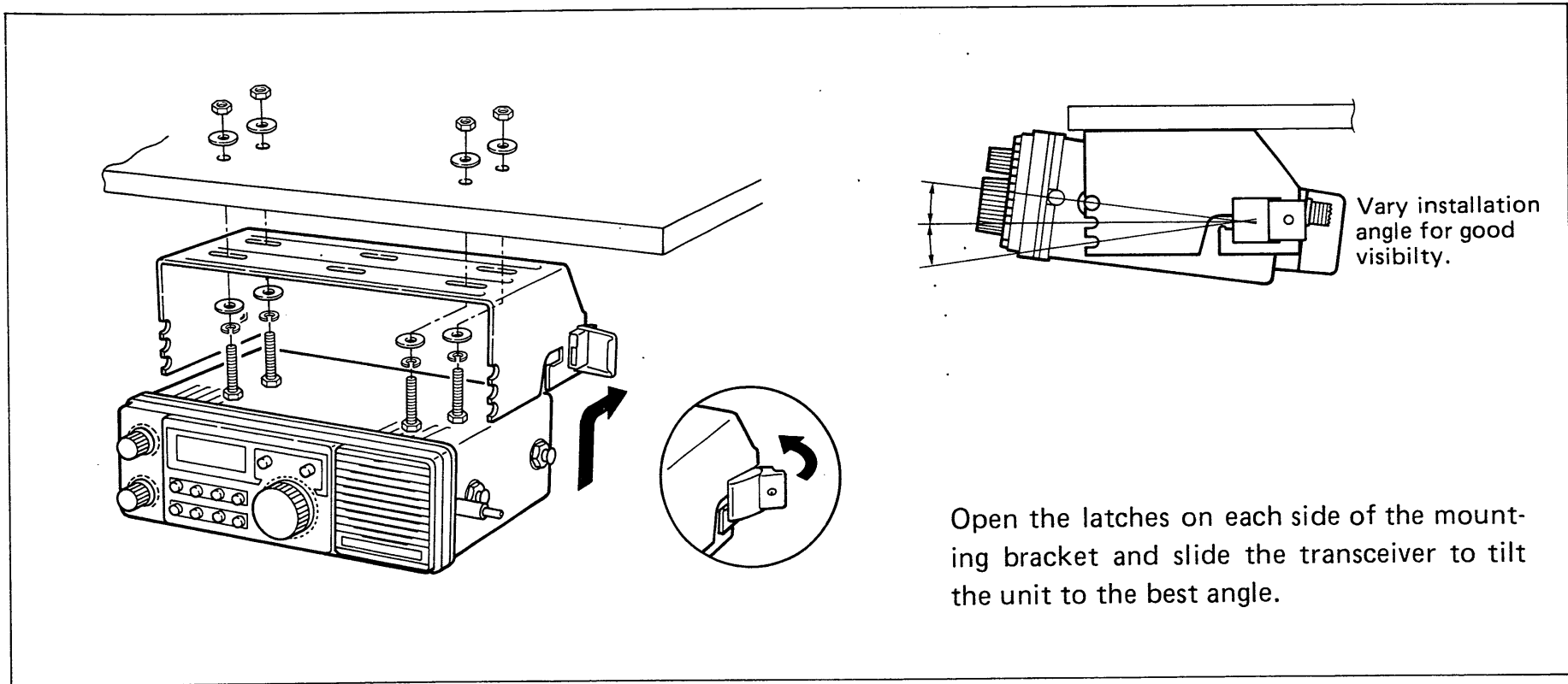
NOTE: Non-locking switches are recommended for the CALL 1 and CALL 2 SWITCHES to ensure that the transceiver's functions remain operational.

2 - 2 MOUNTING THE TRANSCEIVER

The universal bracket supplied with your transceiver allows "over" or "under" mounting. Install the bracket so the unit is adequately supported, thus protecting it from wave shock and excessive vibration.

The mounting hardware supplied is suitable for most installations, but if you need special hardware, any good marine store should be able to assist. As in any marine installation, it is recommended that only high quality marine hardware be used. Try to avoid drilling new mounting holes in the bracket as balance of the transceiver may be affected.





2 - 3 ANTENNA

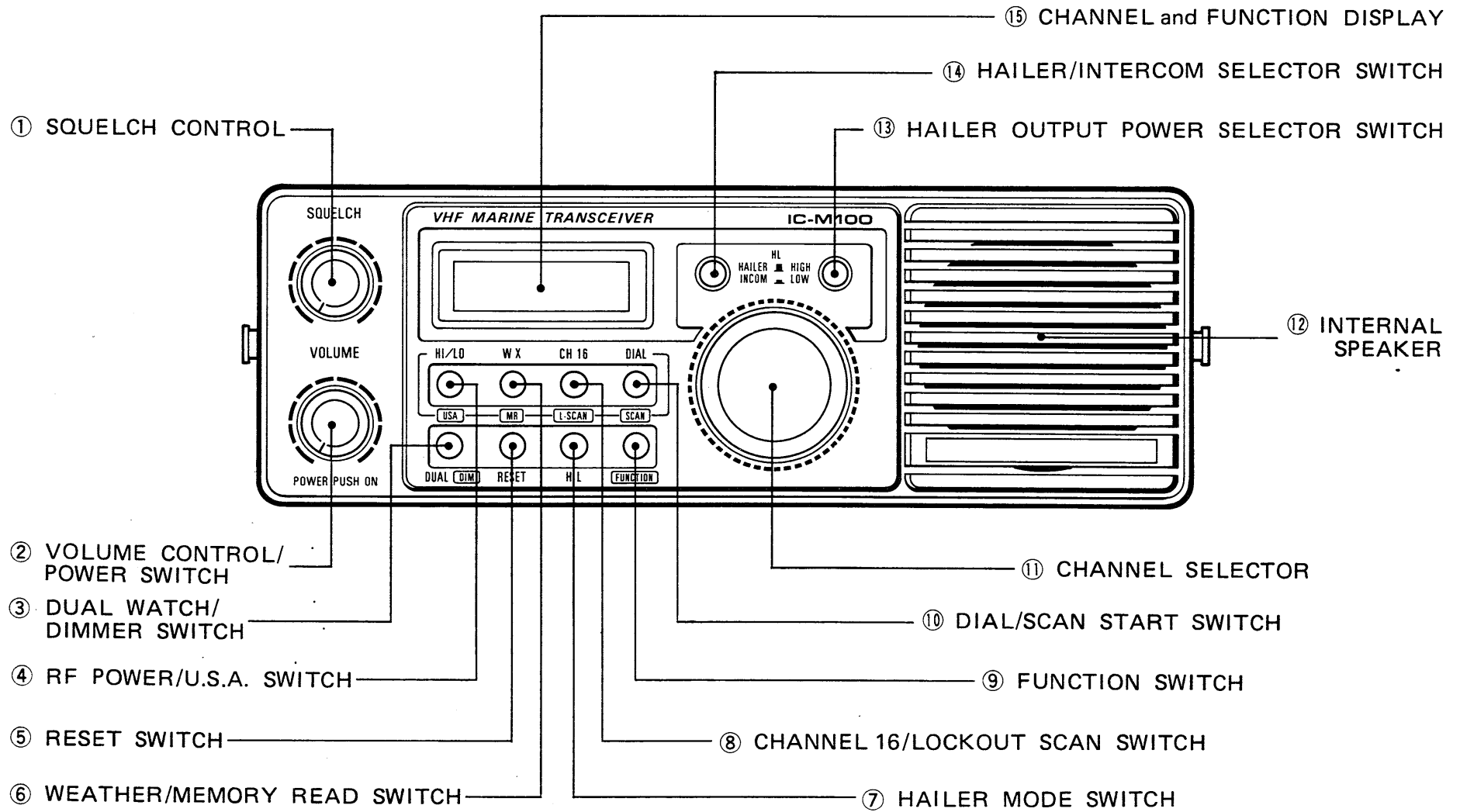
The antenna is the most important item that influences the performance of your transceiver. Any good quality, 50Ω marine antenna will suffice, but a high gain antenna is preferable.

The mounting location is also important, therefore consult your dealer if you are uncertain where to install the antenna. Follow the antenna manufacturer's instructions exactly.

If using a previously installed antenna system, check that all connections are corrosion-free and secure.

SECTION 3 CONTROL FUNCTIONS

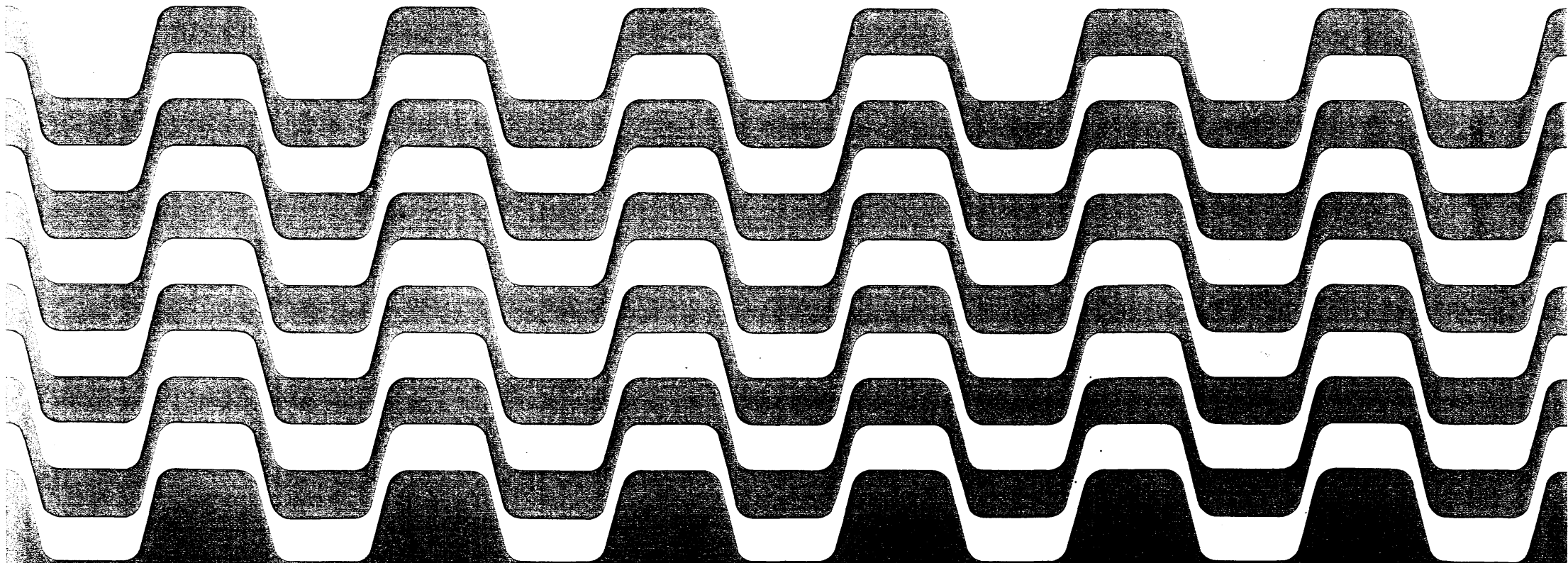
3-1 FRONT PANEL





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