

Kenny Scharf

Simplified

Color Television
Simplified Manual
 (NA7DM)



Blox and Bax — 2017

Model	Chassis
CT-2017F	AP391

This **Simplified Service Manual** is issued to add listed models to the Main Service Manual order No. **MTNC010303C1**(CT-20R6E). A set of schematics, unique settings and a complete parts list are included in this Manual.

Please file and use this Simplified Service Manual together with Main Service Manual, order No. **MTNC010303C1**.


WARNING! This Service Manual is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. **Products powered by electricity should be serviced or repaired only by experienced professional technicians.** Any attempt to service or repair the product or products dealt with in this Service Manual by anyone else could result in serious injury or death."

The service technician is required to read and follow the "Safety Precautions" and "Important Safety Notice" in this Main Manual.

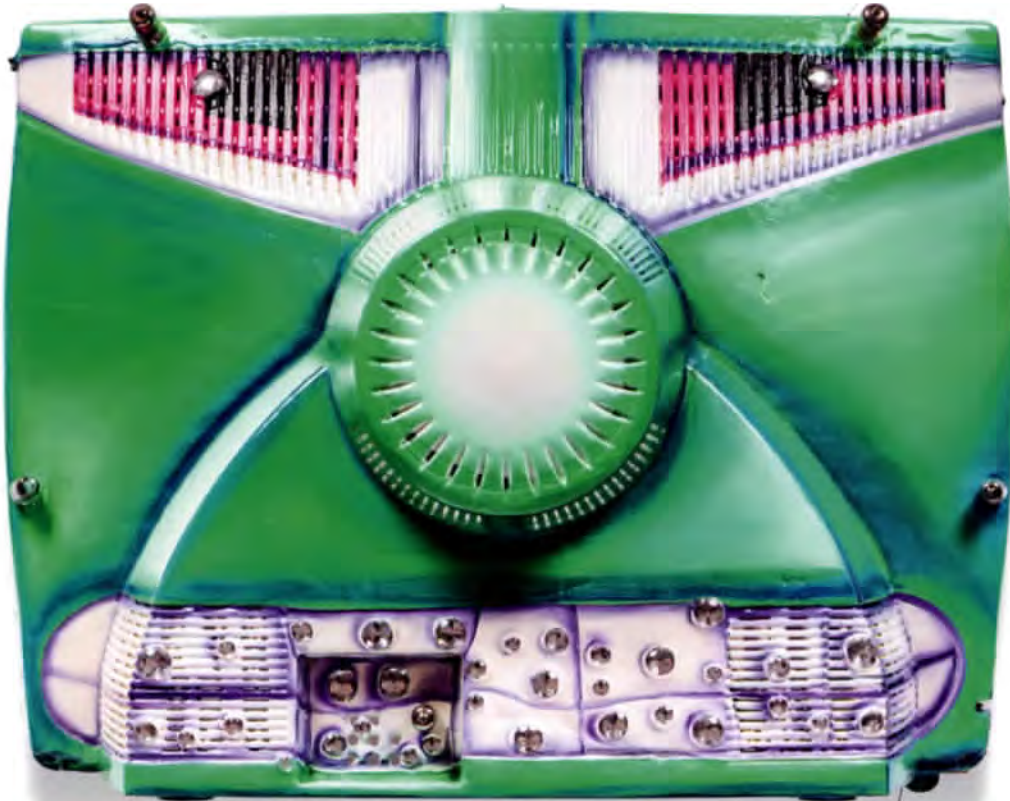
Honor Fraser

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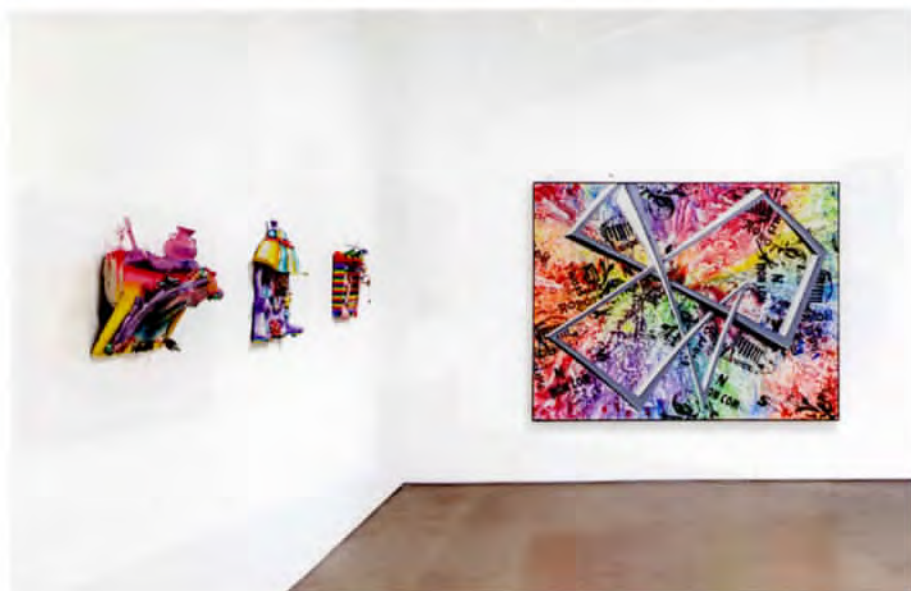
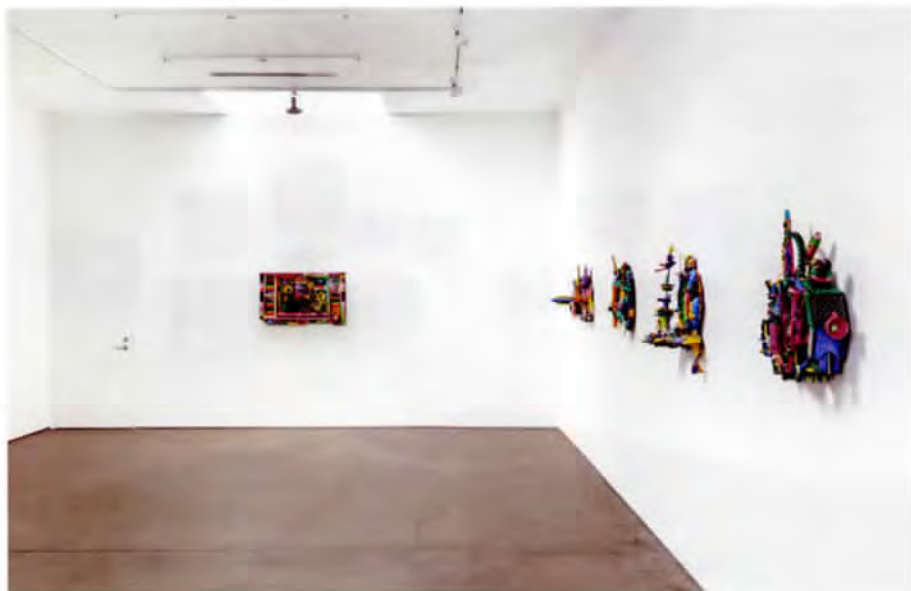
Important Safety Notice

Special components are used in this television set which are important for safety. These parts are identified on the schematic diagram by the symbol  and printed in **BOLD TYPE** on the replacement part list. It is essential that these critical parts are replaced with the manufacturer's specified replacement part to prevent X-ray radiation, shock, fire or other hazards. Do not modify the original design without the manufacturer's permission.

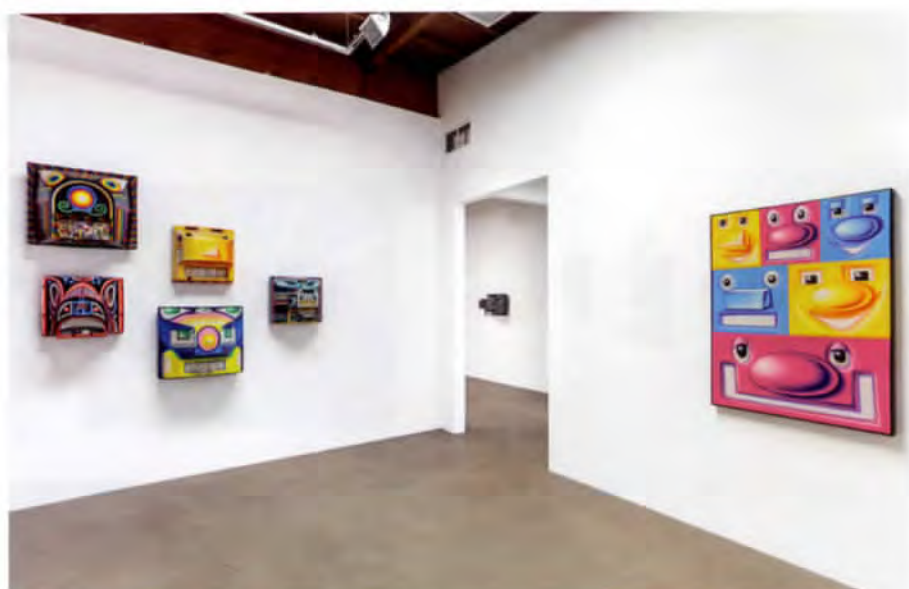
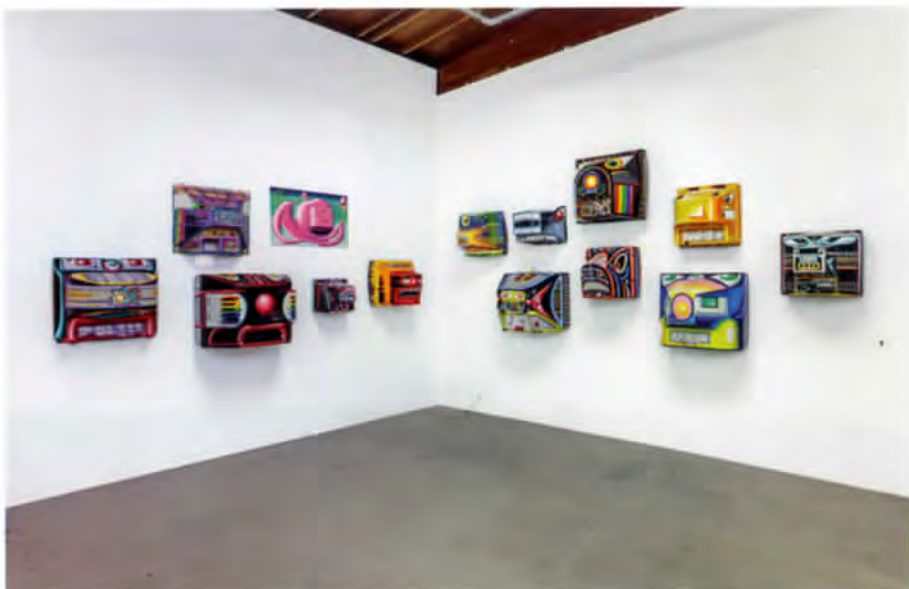
Safety Precautions



Installation Views



Installation Views



About lead free solder (PbF)

Note: Lead is listed as (Pb) in the periodic table of elements.
In the information below, Pb will refer to Lead solder, and PbF will refer to Lead Free Solder.
The Lead Free Solder used in our manufacturing process and discussed below is (Sn+Ag+Cu).
That is Tin (Sn), Silver (Ag) and (Cu) although other types are available.

This model uses Pb Free solder in it's manufacture due to environmental conservation issues. For service and repair work, we'd suggest the use of Pb free solder as well, although Pb solder may be used.



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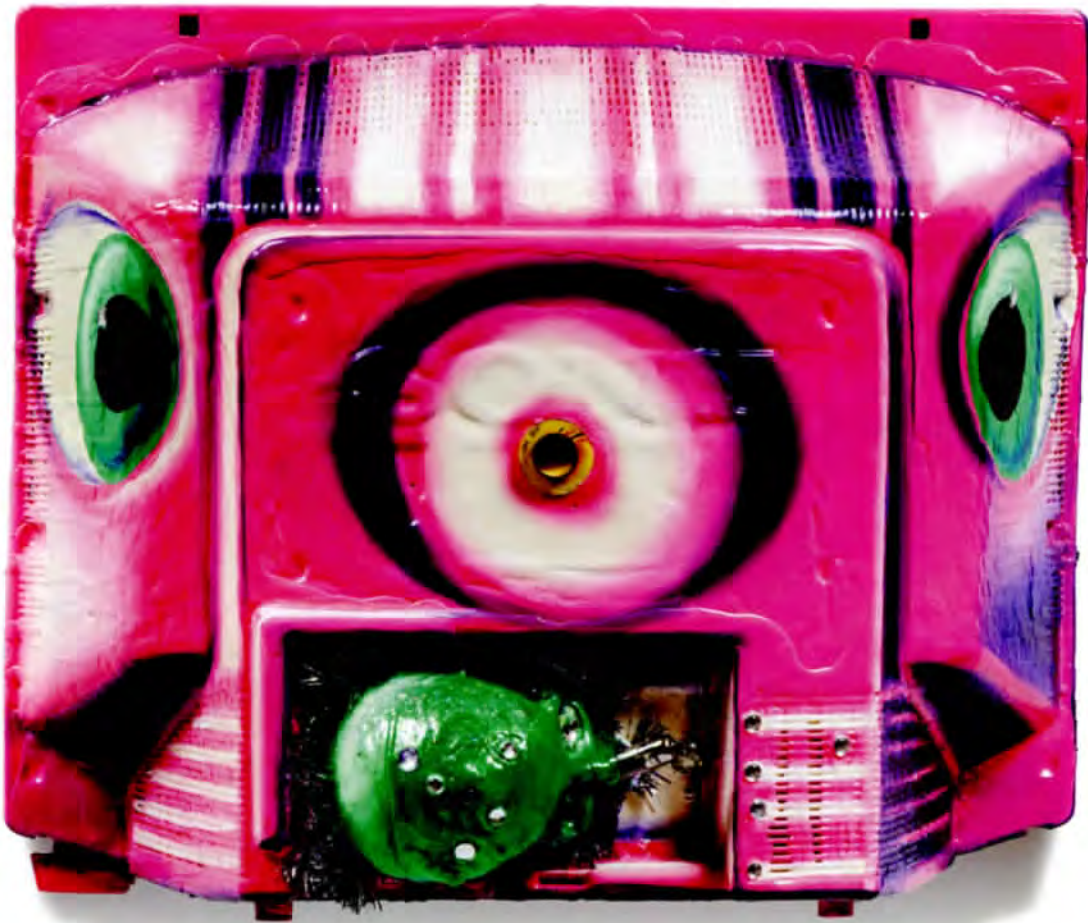
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Service Notes

Note: These components are affixed with glue. Be careful not to break or damage any foil under the component or at the pins of the ICs when removing. Usually applying heat to the component for a short time while twisting with tweezers will break the component loose.



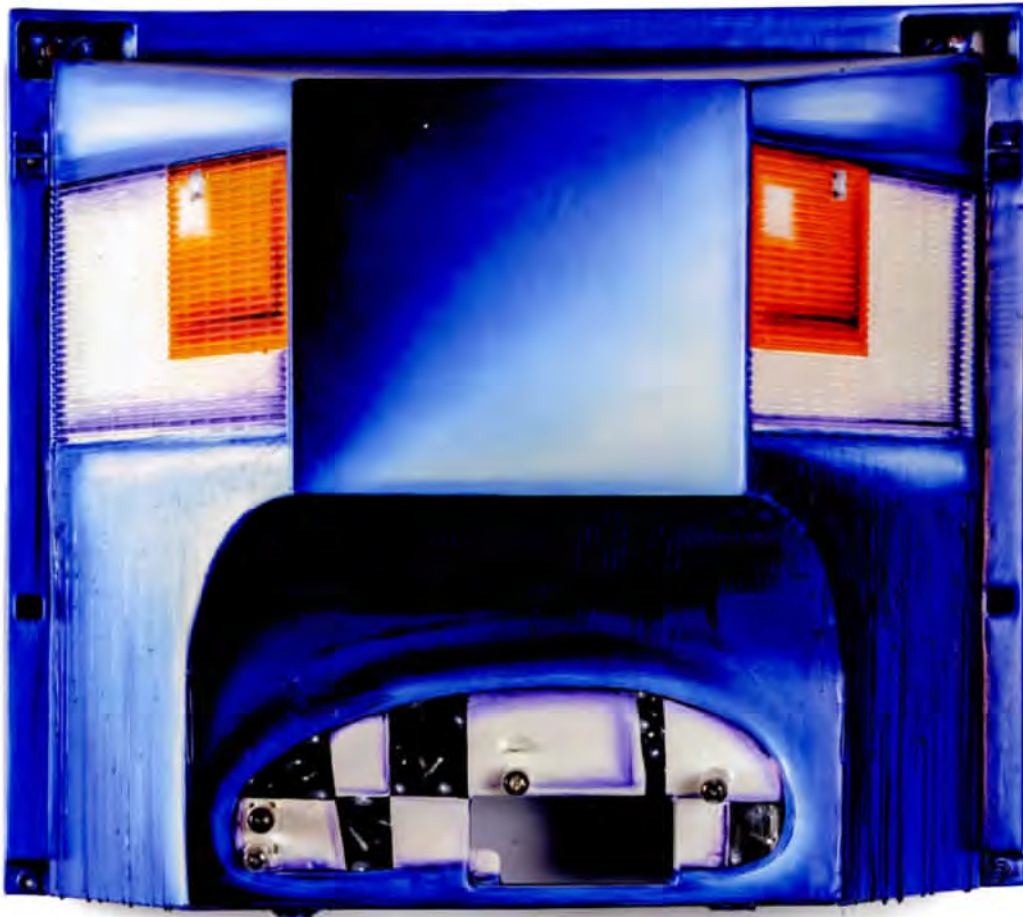
Service Notes (Continued)

IMPORTANT: To protect against possible damage to the solid state devices due to arcing or static discharge, make certain that all ground wires and CTR DAG wire are securely connected.

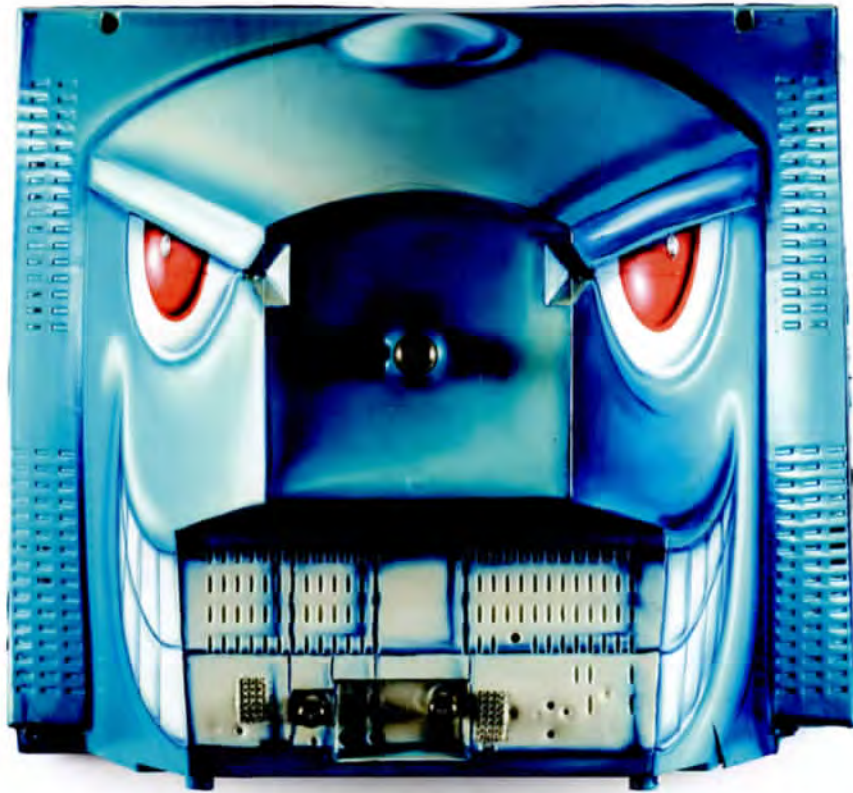
CAUTION: The power supply circuit is above earth ground and the chassis cannot be polarized. Use an isolation transformer when servicing the Receiver to avoid damage to the test equipment or to the chassis.

Procedure:

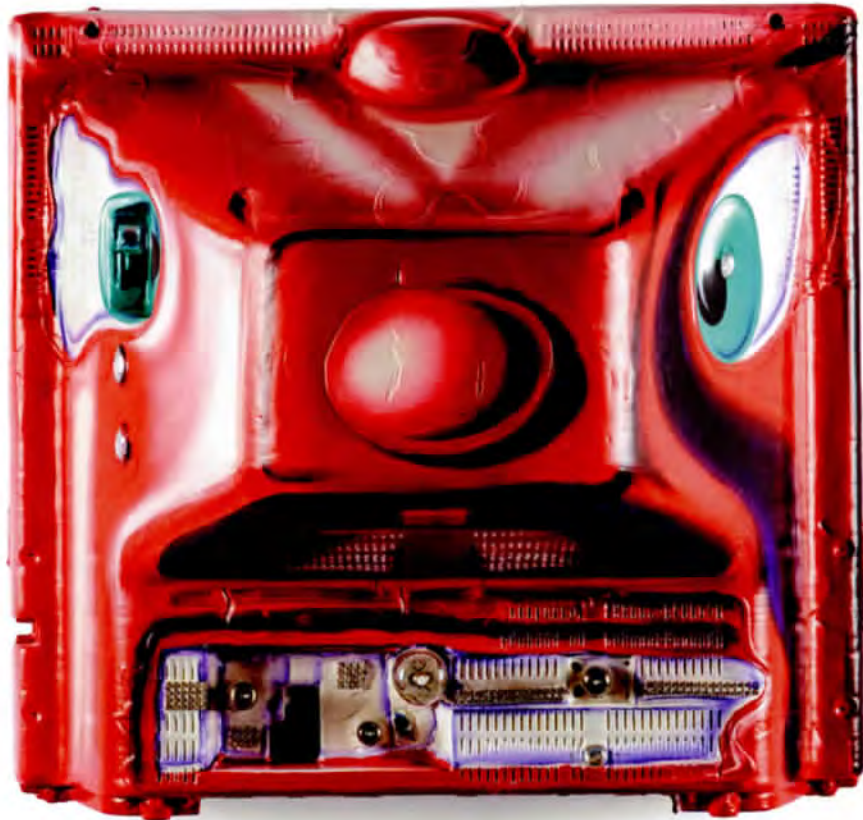
1. Connect receiver to Isolator Transformer.
2. Apply a monoscope pattern.
3. In Service Mode. (Refer to Service Mode Section) Select Register C0b.
4. Measure TP5 (TPs port close to tuner). Compare the measure of TP5 and set the data for C0b according the following table



Receiver Feature Table



Location of Controls (Receiver)



Disassembly for Service



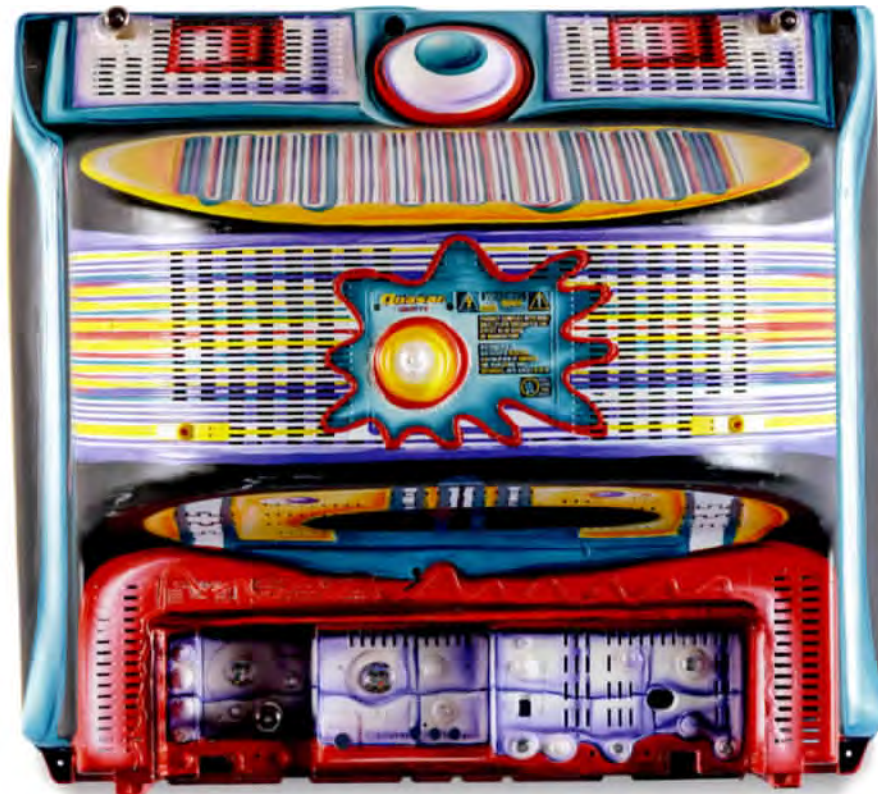
Back Cover Disassembly



Main Components Location



Main Components Location (cont...)



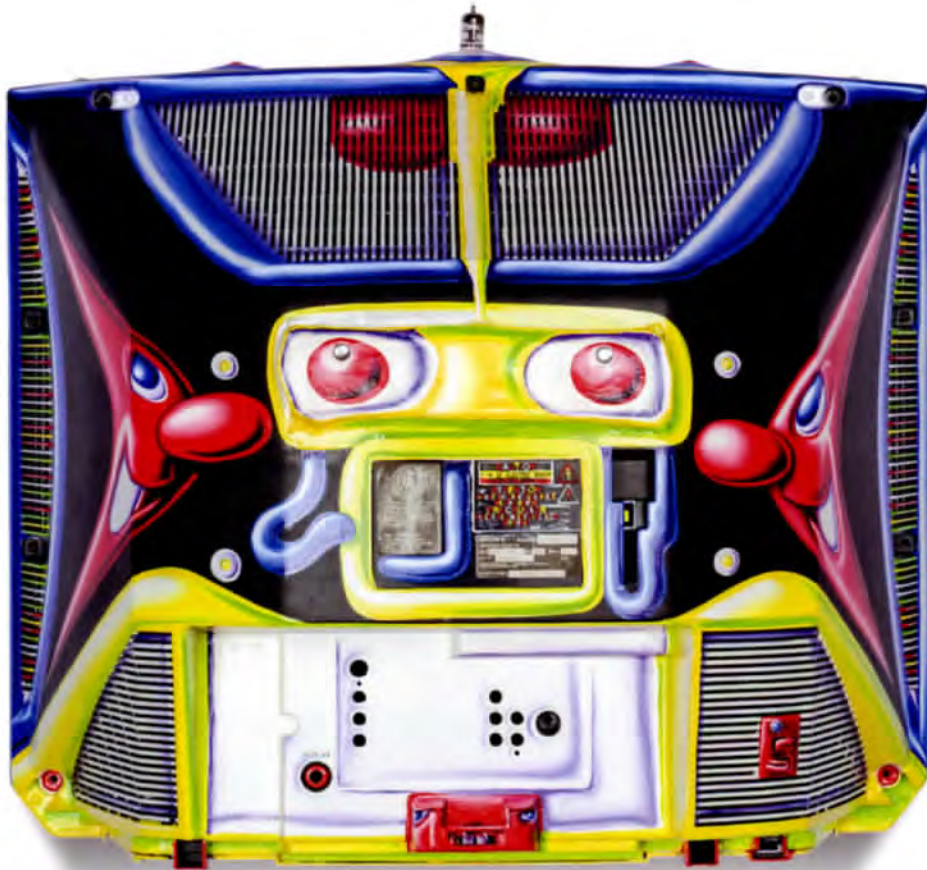
AUDIO SIGNAL PATH BLOCK DIAGRAM



VIDEO SIGNAL PATH BLOCK DIAGRAM



Notes:



REPLACEMENT PARTS LIST

Model: CT-2017F

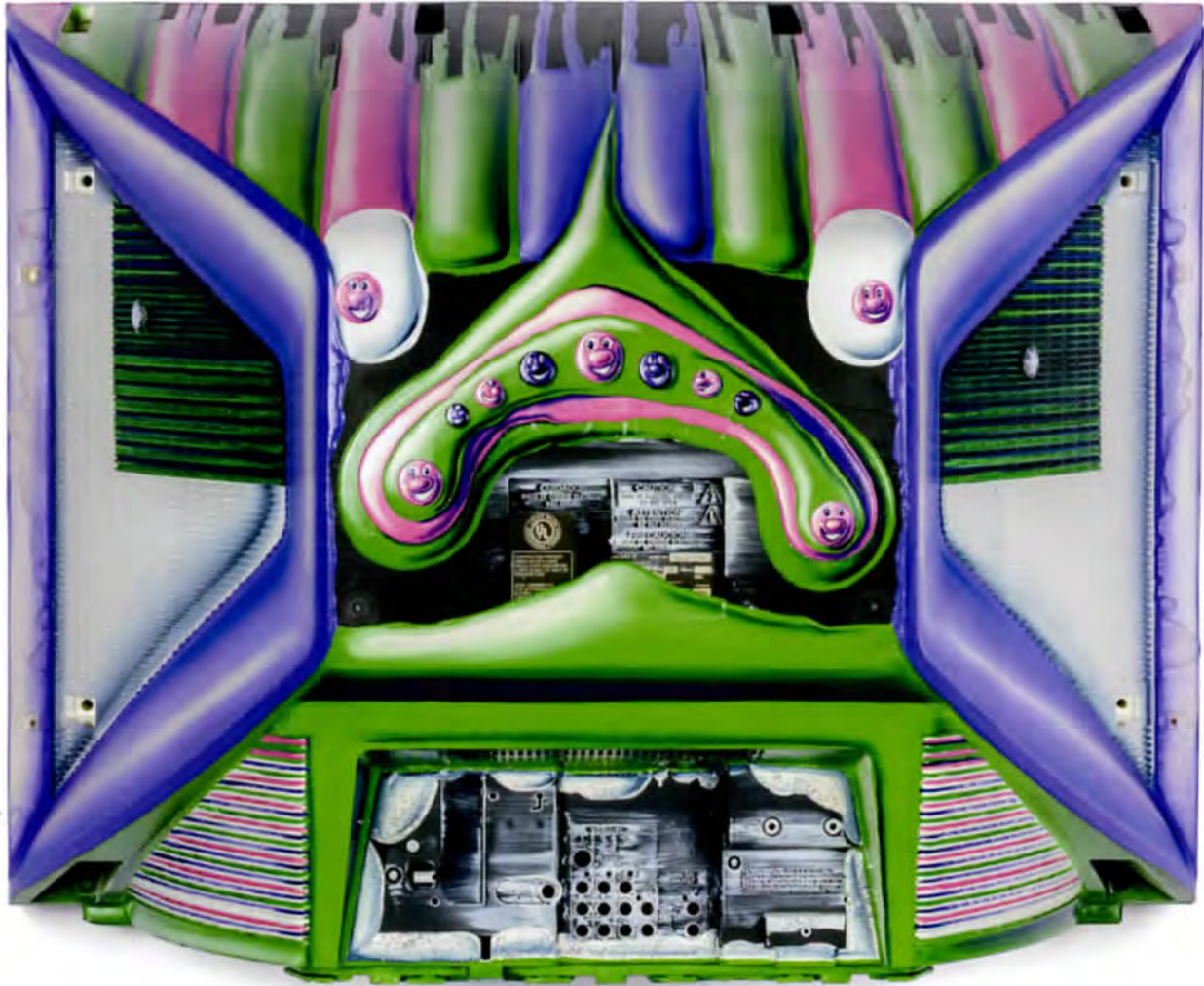
Important Safety Notice: Components printed in **BOLD TYPE** have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.



REPLACEMENT PARTS LIST

Model: CT-2017F

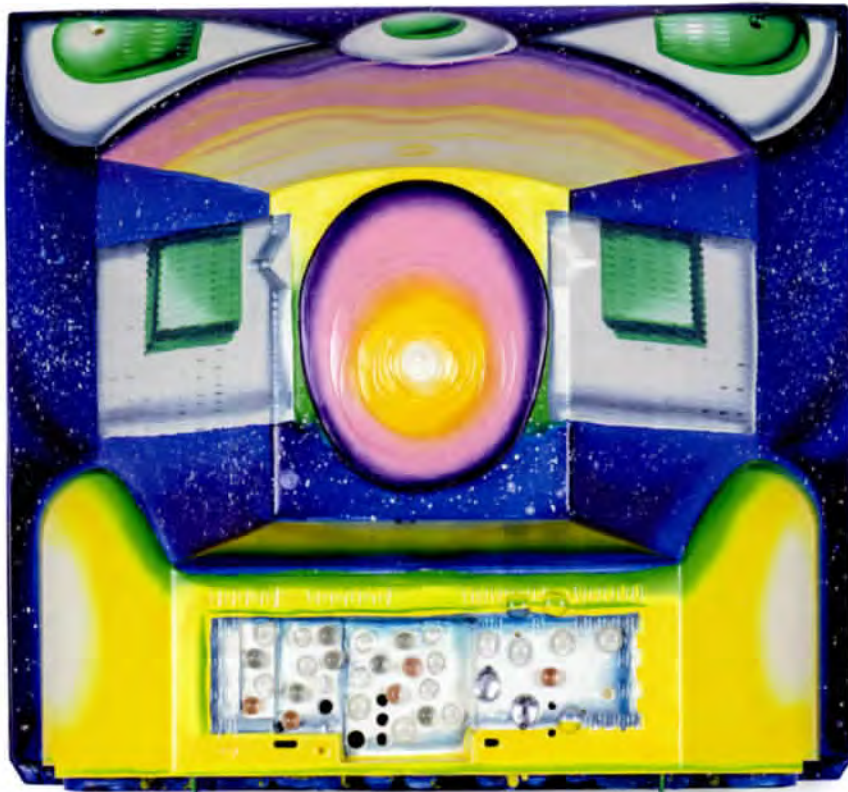
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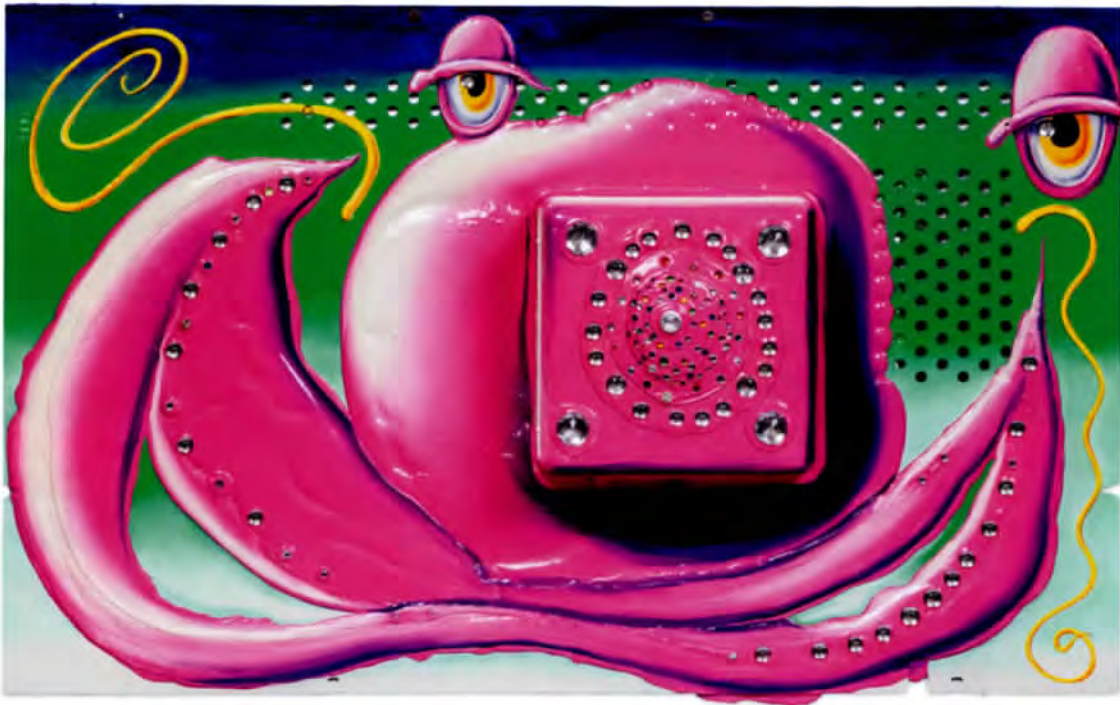
General Notes



Schematic Notes

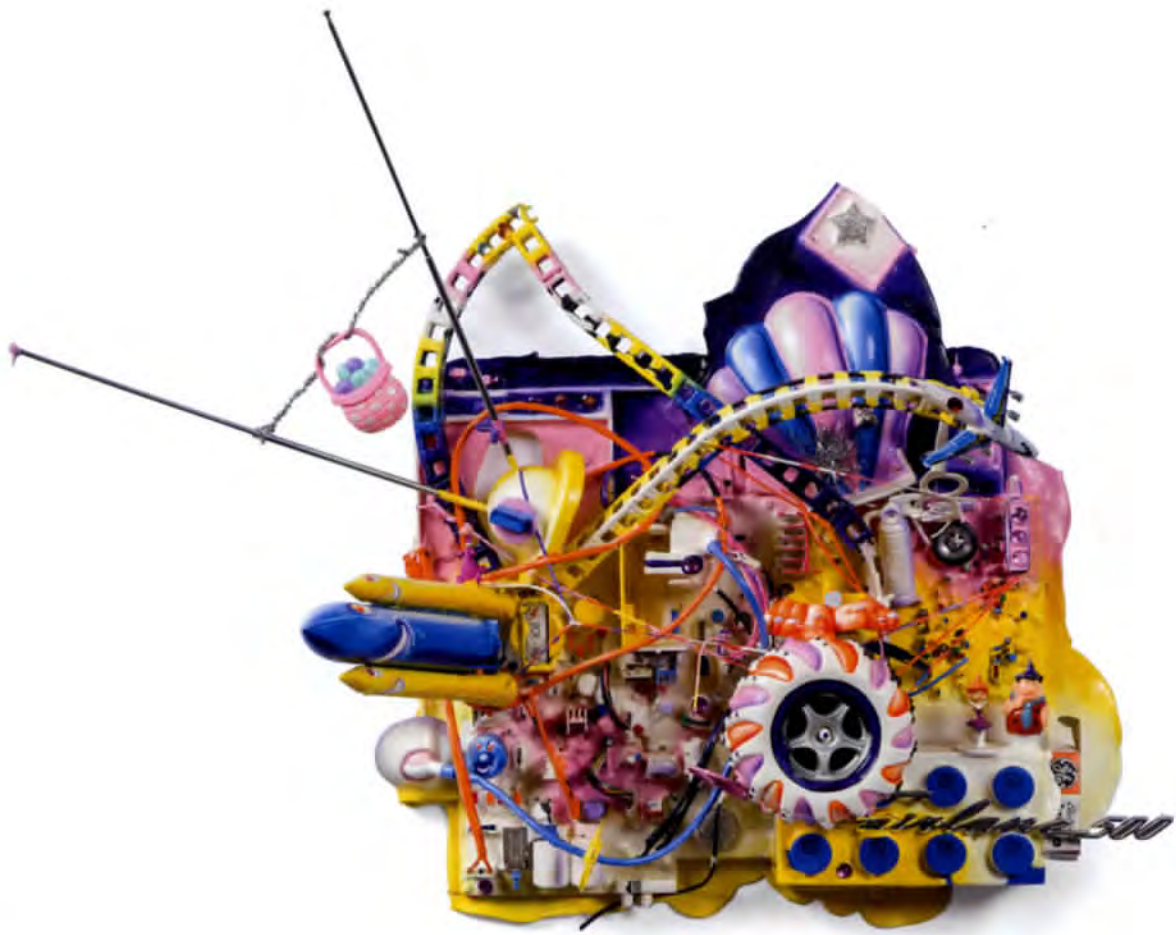


Schematic Notes



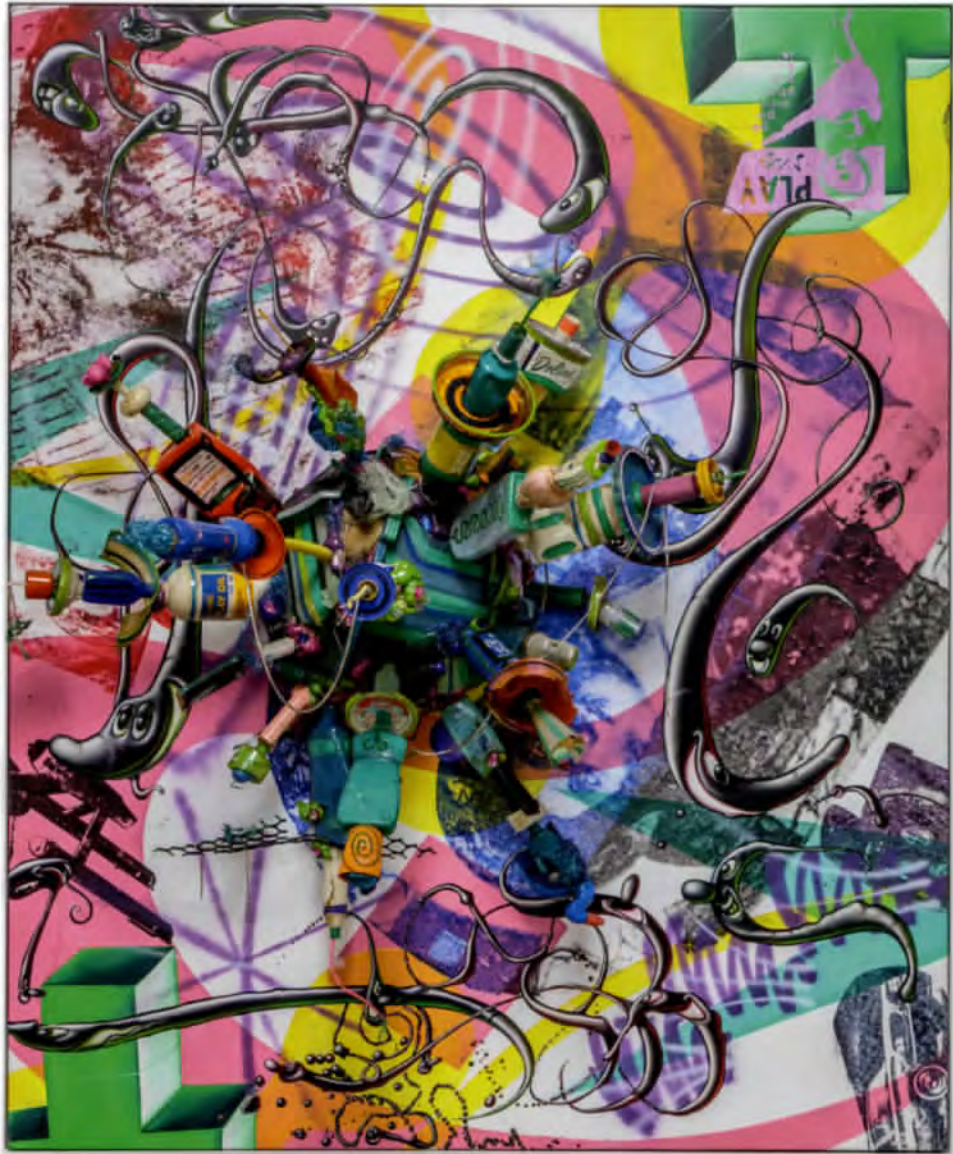




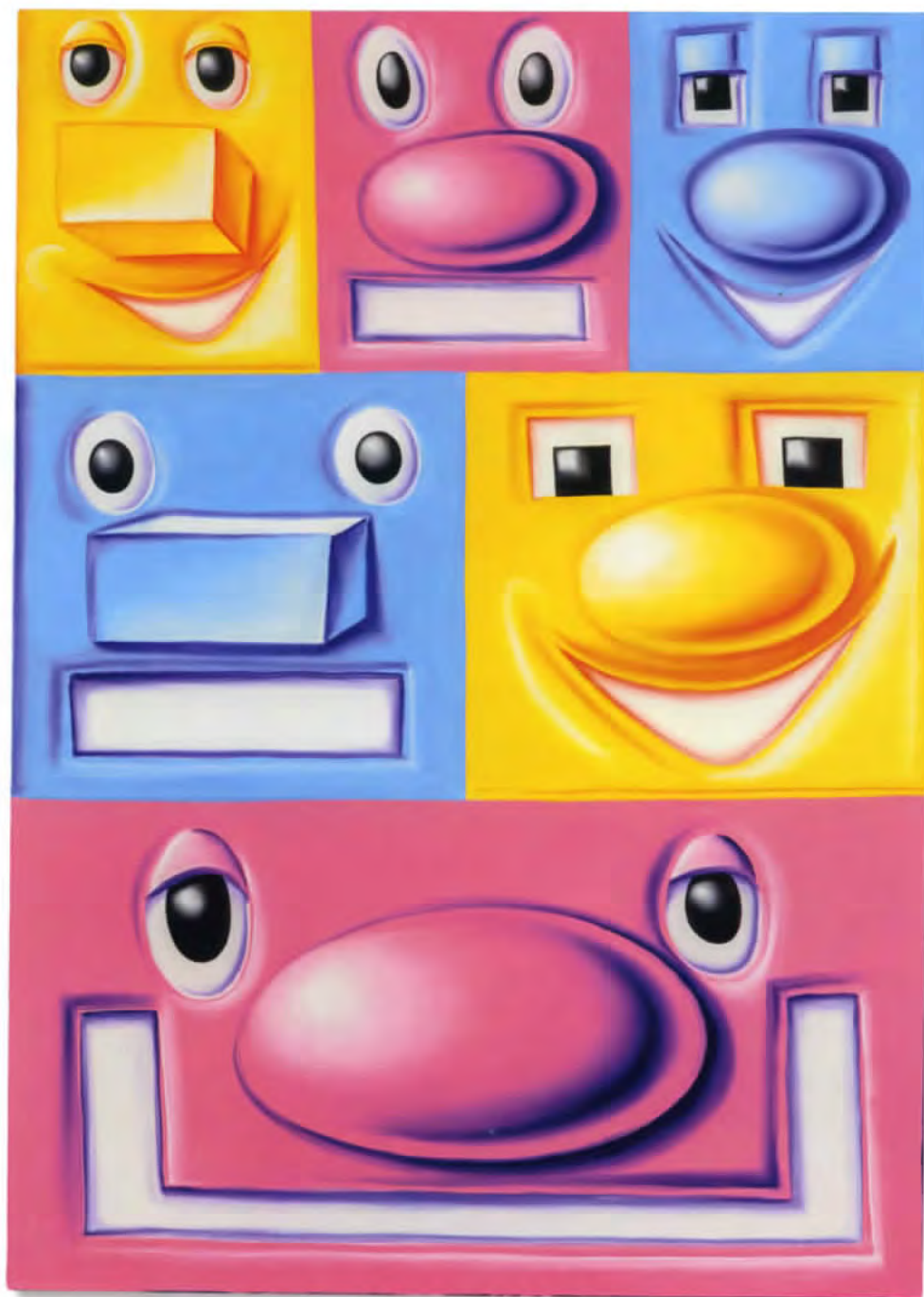


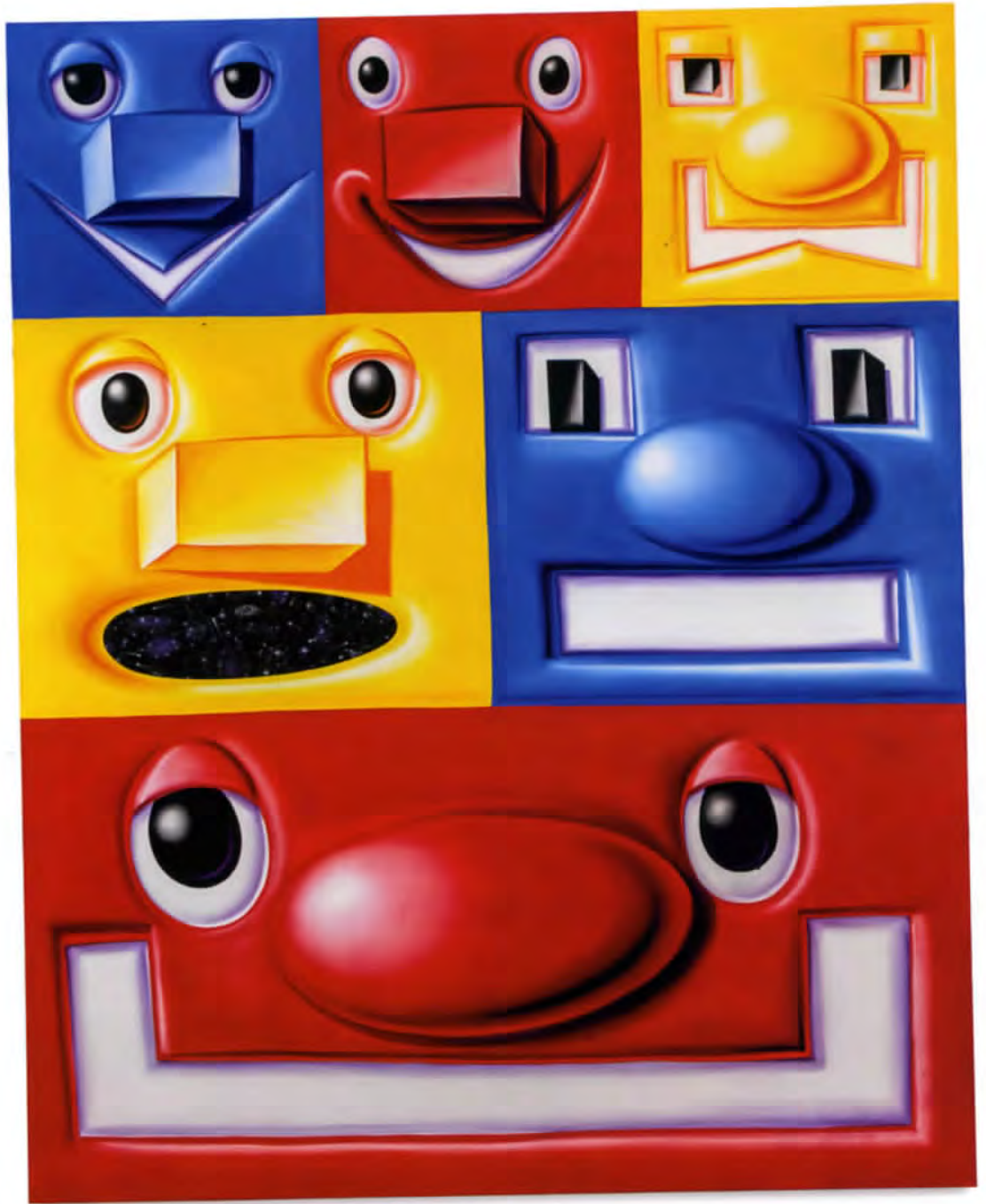




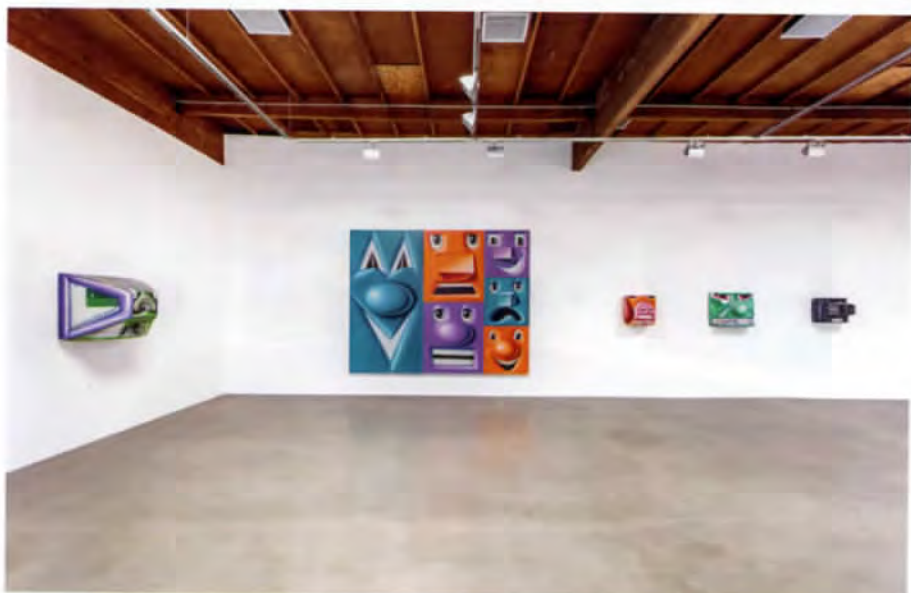
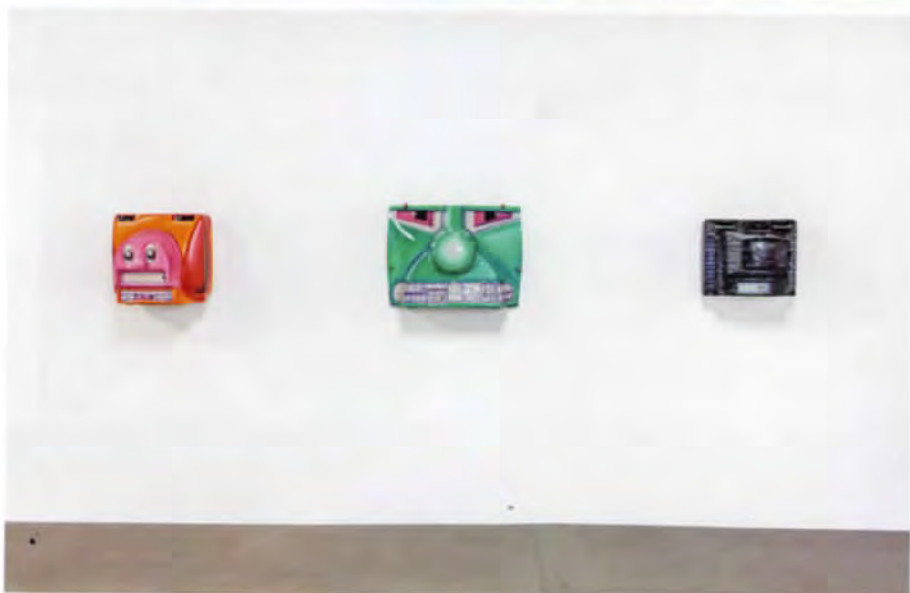




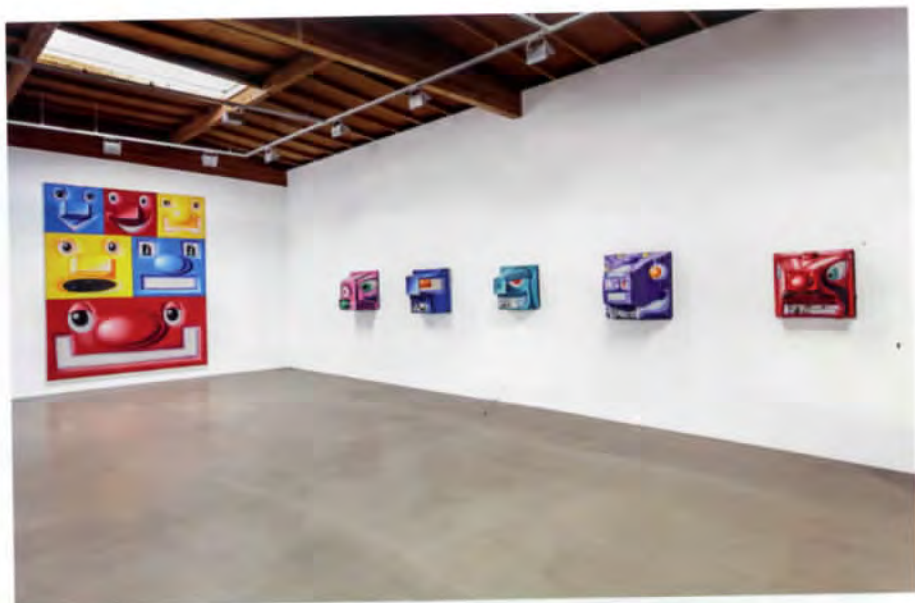




Installation Views



Installation Views





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