



Service Manual

CQ45*1

COLOR MONITOR

14158

Model Number: **CQ4531**
CQ4551

SAMTRON

PERICOM

For Service Manuals
contact
MAURITRON SERVICES
8 Cherry Tree Road, Chinnor
Oxfordshire, OX9 4QY.
Tel (01844) 351694
Fax (01844) 352554

+ DELL VC-2E . MITSUBISHI 1429C

SAMSUNG ELECTRONICS CO., LTD.

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SCHEMATIC DIAGRAM CATALOG NO :

WARNING : BEFORE SERVICING THIS CHASSIS, READ X-RAY
RADIATION PRECAUTION, "SAFETY PRECAUTION,"
PRODUCT SAFETY NOTICE."

CAUTION

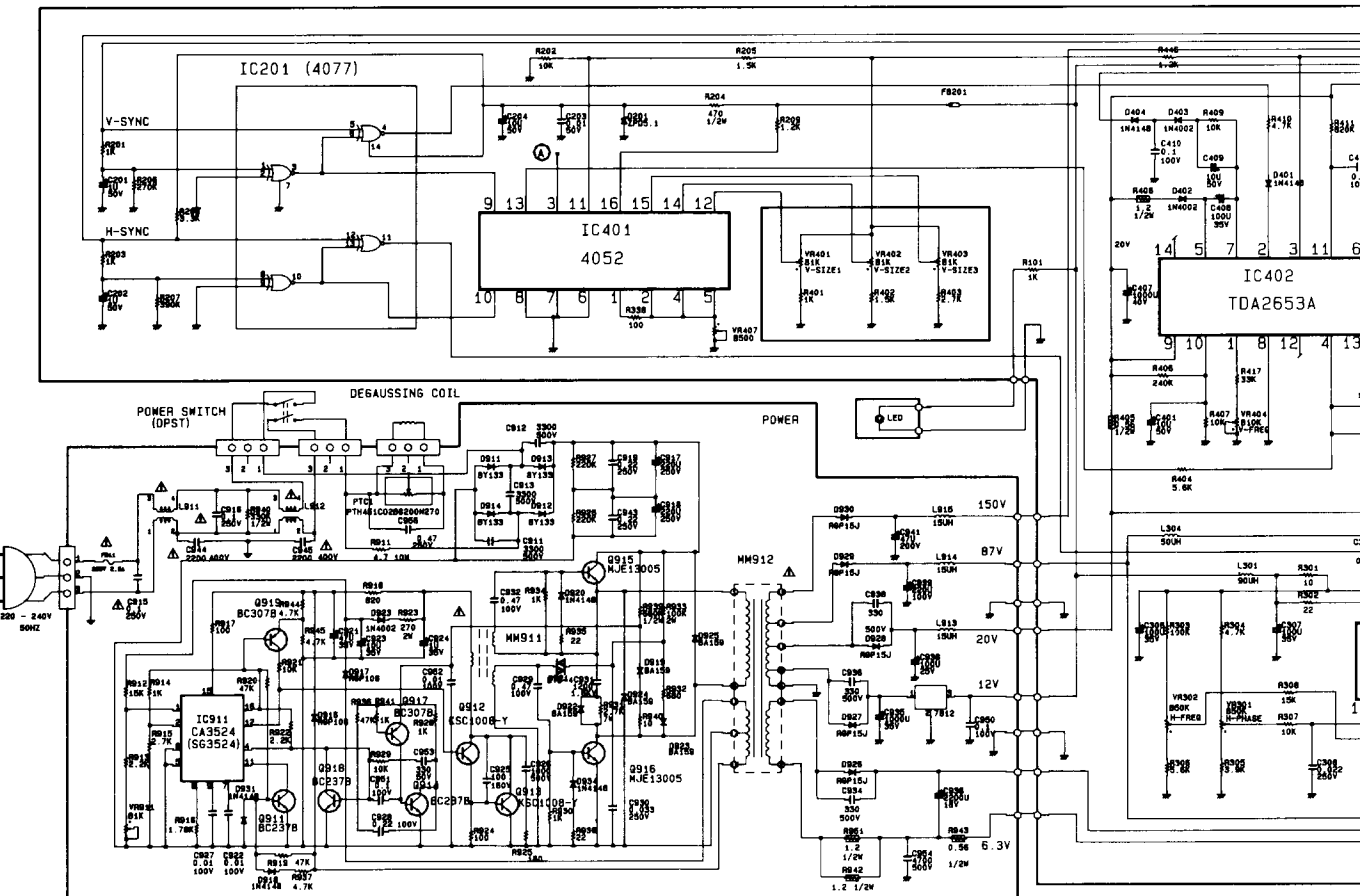
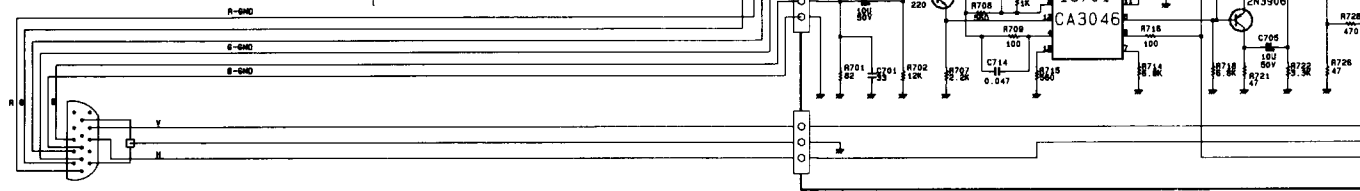
1. THE SHADED AREAS AND Δ MARKS IN THE SCHEMATIC DIAGRAM AND THE PARTS LIST DESIGNATE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OR SPECIFIED IN THE PARTS LIST. BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE "PRODUCT SAFETY NOTICE".
2. DURING A NUMEROUS MEASUREMENT OF THIS RECEIVER MATTERS THAT DEMAND SPECIAL ATTENTION IS FOLLOWING:
 - 1) DO NOT USE YOUR INSTRUMENT BETWEEN PRIMARY GROUND (SYMBOL \downarrow) AND SECONDARY CIRCUIT.
 - 2) DO NOT USE YOUR INSTRUMENT BETWEEN SECONDARY GROUND (SYMBOL \downarrow) AND PRIMARY CIRCUIT.
3. THE SHADED AREAS IS A PRIMARY SECTION (HOT PART)

AVERTISSEMENT : CE RECEPTEUR EST
EQUIPE DE COMPOSANTS CRITIQUES POUR LA SECURITE
TOUTES LES PIECES INDIQUEES DANS LES ZONES
OMBRÉES DU SCHEMA SONT CRITIQUES POUR LA SECURITE
POUR MAINTENIR LE DEGRE DE SECURITE DE
L'APPAREIL NE REMPLACER LE FABRICANT DONT LE
FONCTIONNEMENT EST CRITIQUE QUE PAR DES PIECES
RECOMMANDEES PAR LE FABRICANT CONSULTER LA
NOMENCLATURE DES PIECES POUR TROUVER LES PIECES
DE RECHANGE EXACTES".

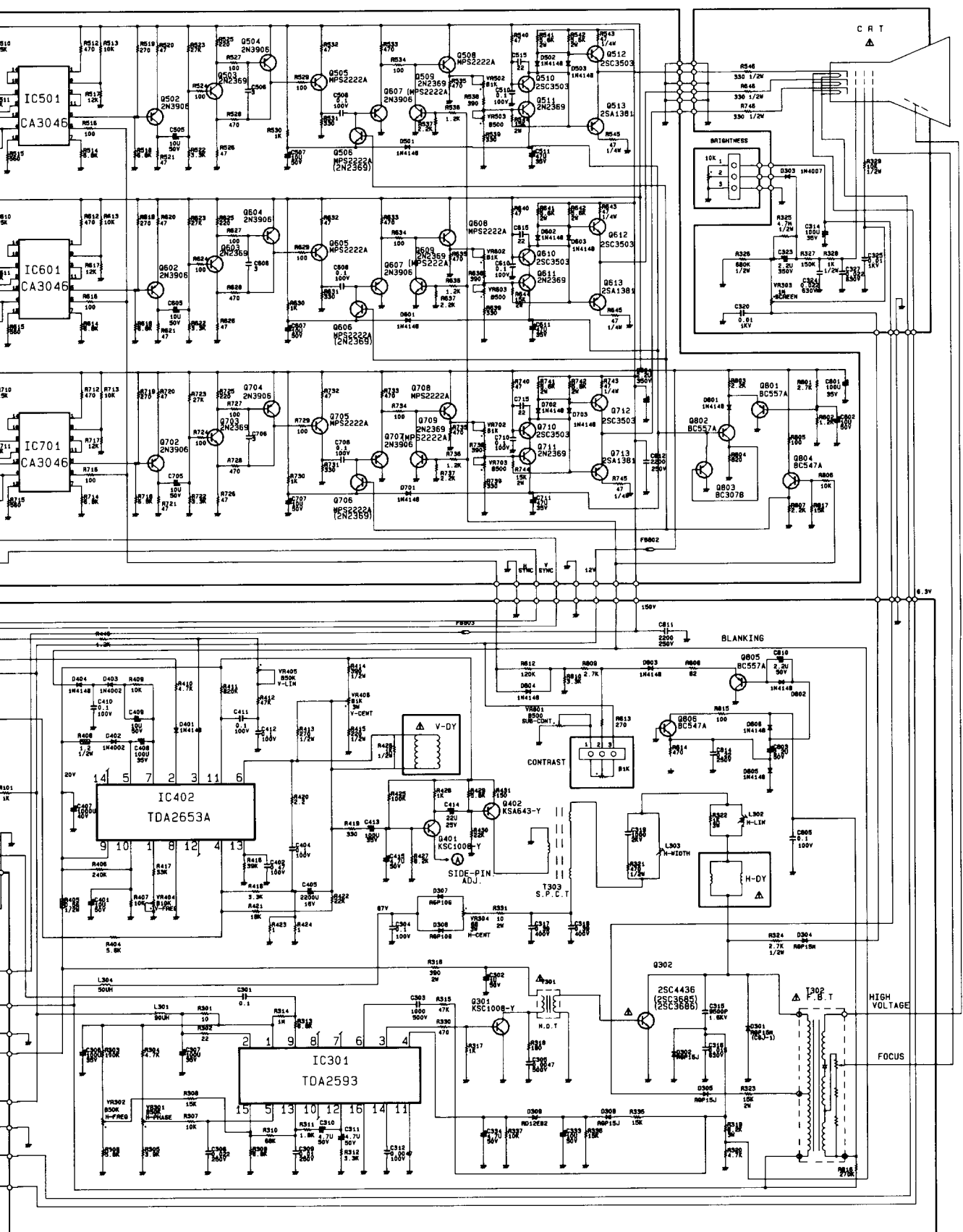
WARNING : THIS EQUIPMENT CONTAINS
SAFETY CRITICAL COMPONENTS ALL PARTS SHOWN
IN THE SHADE AREAS OF THE SCHEMATIC ARE
SAFETY REPLACE SAFETY CRITICAL COMPONENTS
ONLY WITH MANUFACTURERS' RECOMMENDED PARTS
LIST FOR EXACT REPLACEMENTS."

NOTE

1. RESISTANCE IS SHOWN IN OHM K=1,000
M=1,000,000. RATED POWER OF RESISTOR NOT
NOTED IN SCHEMATIC DIAGRAM IS 1/4W.
2. CAPACITANCE IS SHOWN UP AND NOT NOTED
CAPACITANCE IS SHOWN PF. 1UF=1,000,000PF
RATED VOLTAGE OF CONDENSER NOT NOTED IN
SCHEMATIC DIAGRAM IS 50V.
3. ABBREVIATION AND SYMBOL
MO : R-METAL OXIDE CM: R-CEMENT
F : R-FUSIBLE P: C-POLYESTER
C: R-COMPOSITION T: C-TANTALIUM
PP: C-POLYPROPYLENE \downarrow : HOT GROUND
MP: METAL POLYESTER \downarrow : COLD GROUND
4. THE SECONDARY VOLTAGE IS READ WITH VTVM
FROM INDICATED POINT TO COLD GROUND (\downarrow)
THE PRIMARY VOLTAGE IS READ WITH VTVM
FROM INDICATED POINT TO HOT GROUND (\downarrow)
5. THIS SCHEMATIC DIAGRAM IS SUBJECT TO
CHANGE WITHOUT NOTICE FOR FURTHER IMPROVEMENT.



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SCHEMATIC DIAGRAM

CATALOG NO :

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CAUTION

1. THE SHADED AREAS AND Δ MARKS IN THE SCHEMATIC DIAGRAM AND THE PARTS LIST DESIGNATE COMPONENTS WHICH HAVE SPECIAL CHARACTERISTICS IMPORTANT FOR SAFETY AND SHOULD BE REPLACED ONLY WITH TYPES IDENTICAL TO THOSE IN THE ORIGINAL CIRCUIT OR SPECIFIED IN THE PARTS LIST. BEFORE REPLACING ANY OF THESE COMPONENTS, READ CAREFULLY THE "PRODUCT SAFETY NOTICE".
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 - 1) DO NOT USE YOUR INSTRUMENT BETWEEN PRIMARY GROUND (SYMBOL \downarrow) AND SECONDARY CIRCUIT.
 - 2) DO NOT USE YOUR INSTRUMENT BETWEEN SECONDARY GROUND (SYMBOL \star) AND PRIMARY CIRCUIT.
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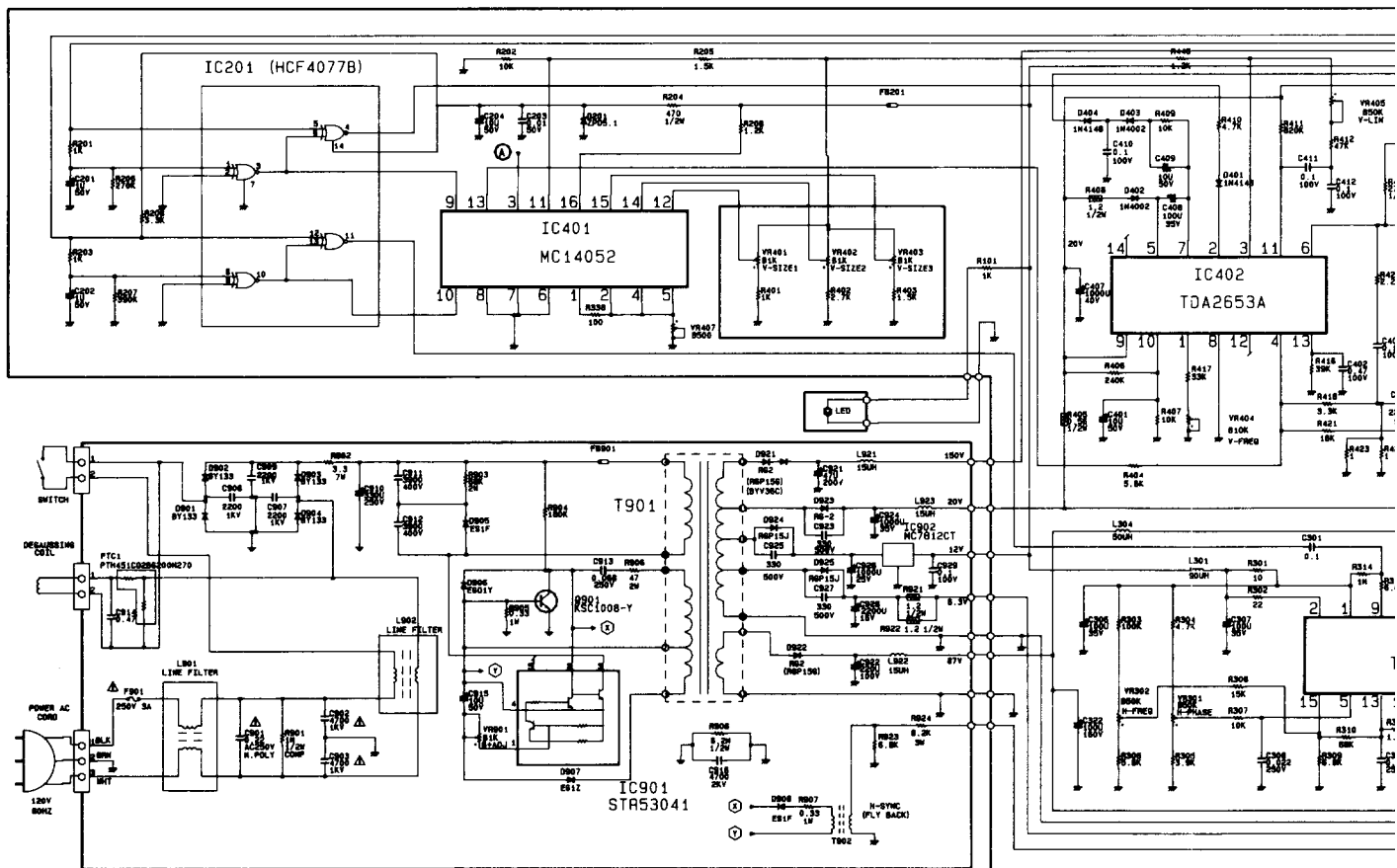
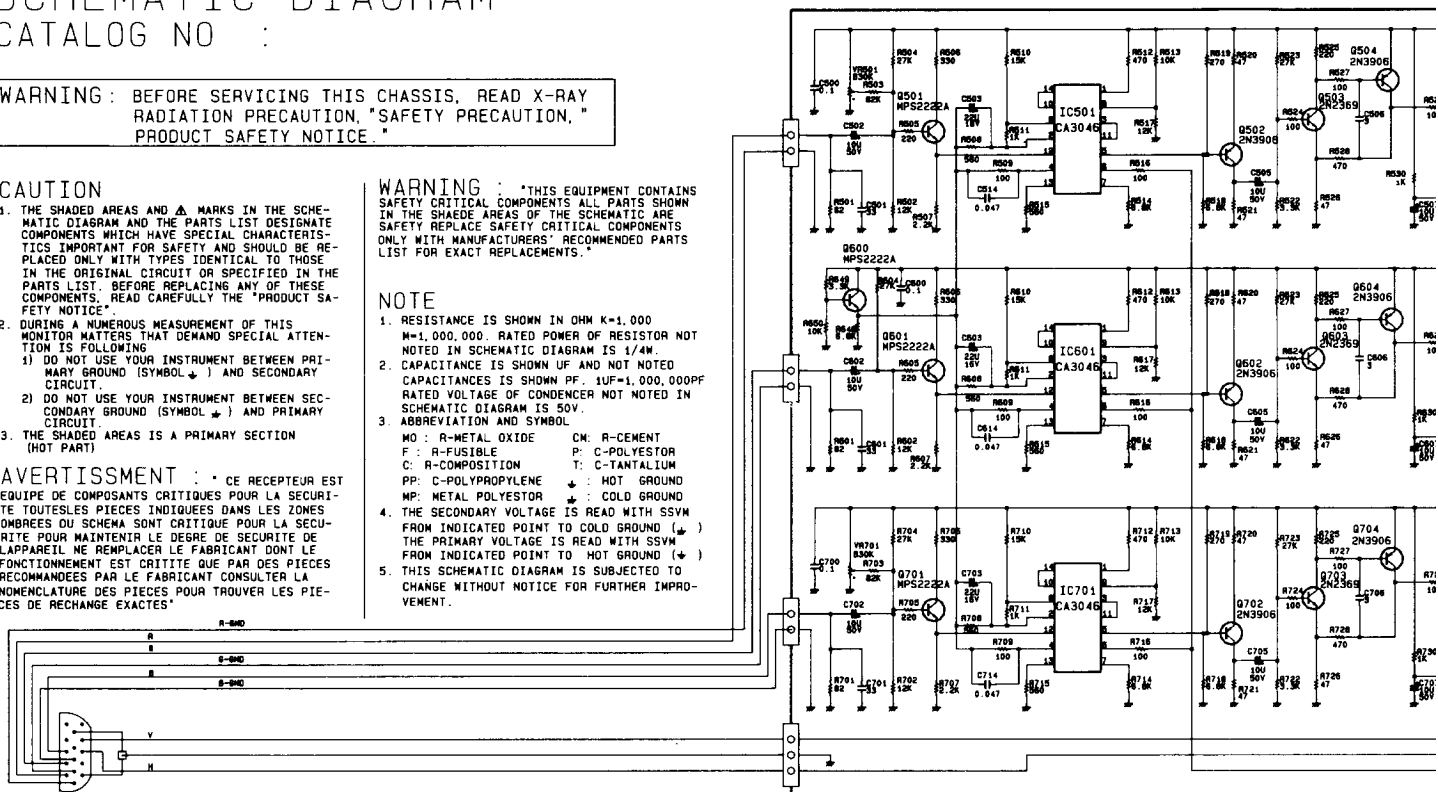
AVERTISSEMENT : * CE RECEPTEUR EST EQUIPE DE COMPOSANTS CRITIQUES POUR LA SECURITE TOUTES LES PIECES INDIQUEES DANS LES ZONES OMBREES DU SCHEMA SONT CRITIQUES POUR LA SECURITE POUR MAINTENIR LE DEGRE DE SECURITE DE L'APPAREIL NE REMPLACER LE FABRICANT DONT LE FONCTIONNEMENT EST CRITIQUE QUE PAR DES PIECES RECOMMANDEES PAR LE FABRICANT CONSULTER LA NOMENCLATURE DES PIECES POUR TROUVER LES PIECES DE RECHANGE EXACTES.

WARNING : THIS EQUIPMENT CONTAINS SAFETY CRITICAL COMPONENTS ALL PARTS SHOWN IN THE SHADE AREAS OF THE SCHEMATIC ARE SAFELY REPLACE SAFETY CRITICAL COMPONENTS ONLY WITH MANUFACTURERS' RECOMMENDED PARTS LIST FOR EXACT REPLACEMENTS.

NOTE

1. RESISTANCE IS SHOWN IN OHM K=1,000 M=1,000,000. RATED POWER OF RESISTOR NOT NOTED IN SCHEMATIC DIAGRAM IS 1/4W.
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