

Notes From The Field

E060401 CHASSIS. NO CONTROL OF BRIGHTNESS, NO VIDEO OR COLOR. +107V AND +170V VERY LOW.

R509 charred and very high resistance Q904 B - E leakage.

E110404 CHASSIS.

1) ADDRESS PANEL NEONS WON'T LIGHT ON MANUAL OR REMOTE.

2) CLEAR RASTER - NO SOUND OR VIDEO.

1) Broken wire at On/Off relay (+210V feed to cluster).

2) Q416.

Broome Distributing Company, Syracuse, New York.

D18 CHASSIS. RASTER NORMAL EXCEPT FOR A ONE INCH STRIP THROUGH MIDDLE OF PIX (LEFT TO RIGHT). IN THIS AREA, THE SCANNING LINES ARE TOO FAR APART.

Found R381 had changed value (increased to 6 ohms). Should be 1.2 ohms.

Ed McNamara, Foxboro TV, Foxboro, Mass.

A120204 CHASSIS. INTERMITTENT VIDEO, RASTER STAYS LIT.

Q208, 2nd video amp transistor socket had socket pins opened.

A120500 CHASSIS. AGC OVERLOAD WHEN HORIZONTAL HOLD IS ADJUSTED. CRITICAL SYNC.

AGC threshold diode shorted.

D141457 CHASSIS. VERY DIM PICTURE - NO BRIGHTNESS RANGE, CRT OKAY.

R268 increased value to 800K.

E080203 CHASSIS. INTERMITTENT PURPLE PICTURE. C648 intermittent open.

Empire State Wholesalers, Inc., Latham, New York.

D180452 CHASSIS. NO VERTICAL SYNC.

C322 open.

Standard TV, Buffalo, New York.

ENERGY, ANYBODY?

Man has been *taking from* the earth instead of *taking care* of it. Accepted fact. No need to amplify. The important new fact is that a number of former as well as unconventional energy sources are coming into use as substitutes for previously accepted power:

Garbage - A process for converting garbage into small pellets produces about half the heat energy of an equal coal amount at less than half the cost. It sells for \$5 a ton. And the conversion recycles 95 per cent of the raw garbage that would end up either as landfill or dumped in the ocean.

The Sira Corp. of Los Gatos, Calif., is already operating a pilot facility. They say the first large production plant will be built in a Tokyo suburb.

Windmills - Researcher Frank Rom, NASA, points out that the wind carries enough energy to provide half the country's electrical power. He advises building 100,000 windmills and says that NASA is already designing wind generators.

Underwater "windmills" too - Scientists from the Woods Hole Oceanographic Institute plan to harness the Gulf Stream. Were all the energy in that powerful

stream harnessed, it would provide some 25,000 megawatts of electricity - equal to the output of 25 of the largest power plants ever constructed.

Sail ships - Gone with the wind again in terms of utilizing sailing ships for carrying freight. According to German scientists, a modern, 16,000-ton vessel propelled by high square sails with especially equipped rotating masts can equal the speed of engine-driven freighters.

Solar energy - Honeywell Industries, working with the University of Minnesota, is developing a collector to convert sunshine to electricity.

Chicken droppings - 60 pounds of the stuff can be converted to produce the equivalent of one gallon of high quality methane fuel. So reports a researcher working on the project in British Columbia. (No "chicken feed" this.)

Conservation - Shouldn't everybody? And now Representative Henry Reuss (D-Wisconsin) points out that if we set our thermostats two degrees higher each summer and two degrees lower in winter, the nation would save 600,000 barrels of oil by 1980.

E09 CHASSIS. NEGATIVE PICTURE, LOW BRIGHTNESS.
Q211 (video buffer) socket not soldered in PC board.

E11 CHASSIS. TEARING IN PICTURE, DARK HORIZONTAL BARS THROUGH RASTER.

Replacing the VHF tuner cured the problem.

Ross Teal, Service Manager, Meyerson Distributing Company, Council Bluffs, Iowa.

D19 CHASSIS. INTERMITTENT SOUND.

R104 (3.3K) opens internally.

Gahanna T. V., Gahanna, Ohio.

D19 CHASSIS. SNIVETS ON SELF SET OR RADIATES THROUGH ANTENNA TO OTHER SETS.

Install ferrite beads, part number 02-28072-2, to base of Q306 and Q308.

Pat McGee, FSDM, Cleveland, Ohio.

A12-01 CHASSIS. PICTURE 1/2" HIGH.

Open Biasing Diode, SC306.

Dennis S. Vargo, ILG T.V., Inc., Sheffield Lake, Ohio.

D18 CHASSIS. NO VERTICAL, NO WAVEFORM AT EMITTER OF BOTTOM VERTICAL OUT.

Open point FC on convergence board.

Bob's Radio & T.V., Celina, Ohio.

D17 CHASSIS. WHEN COLOR IS INCREASED, SCREEN WOULD BECOME HAZY BLUE, CRT GRIDS WOULD CHANGE 70V, W/COLOR CONTROL.

L609 (150MH) open.

Sun TV, Columbus, Ohio.

D1905 CHASSIS. PICTURE BREAKS UP ON WEAK SIGNAL. CAUSES INTERFERENCE IN OTHER SETS.

Found bad Q308 (Sync Sep.).

Proehl Radio & TV, Chillicothe, Ohio.

D1909 CHASSIS. KICKS CIRCUIT BREAKER.

C336 shorted; R386, R504 overheated.

E0802 CHASSIS. KICKS CIRCUIT BREAKER.

Shorted turn in flyback. (Shorted turn checker found this problem without disconnecting anything.)

Bill Reed, Toledo Appliance, Inc., Toledo, Ohio.

A12 CHASSIS. VERTICAL WOULDN'T RUN AT PROPER FREQUENCY AND PIX 3/4 SIZE.

SC300 high forward resistance (30K).

Wayne French, FSDM, Batavia, New York.

E01-09 CHASSIS. COULD ONLY TUNE IN CHANNEL 2 ON PUSH BUTTON TUNER; SNOW ON ALL CHANNELS (EVEN TRIED CHANGING TUNER).

SC200 Zener Diode on IF Board (part number 13-33186-1).

"Bud", Colony TV, Beltsville, Maryland.

A22 CHASSIS. POOR HORIZ. SYNC.

C400 leaky (checks OK on capacitor checker).

D1909 CHASSIS. NO H. V.

C430 shorted.

E0802 CHASSIS. INTERMITTENT VERTICAL.

Q300 open.

B1016 CHASSIS. NO B+.

C502 open, R500 open.

Harlan Lippincott, FSDM, Columbus, Ohio.

E11-03 CHASSIS. NO LOW BAND, 24 VOLTS ON TN5 BANDSWITCH MODULE.

Shorted Q1206.

E11-03 CHASSIS. NO LOW BAND, 24 VOLTS ON TN5 BANDSWITCH MODULE.

Shorted Q1218.

E11-03 CHASSIS. NO LOW BAND, 24 VOLTS ON TN5 BANDSWITCH MODULE.

Shorted SC1208.

Fred Miller, Service Manager, Mitchell-Powers Hdwe., Bristol, Tennessee.



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AVOID MISTAKES - ORDER PARTS BY PART NUMBERS