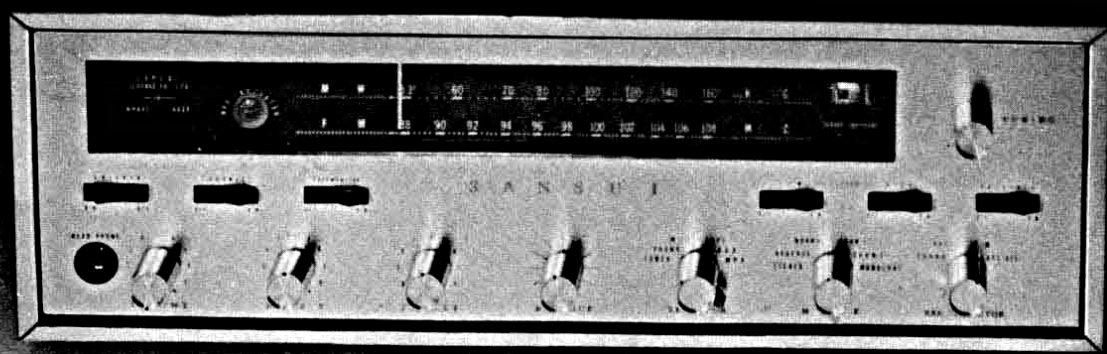




# SANSUI FM-MULTIPLEX STEREOPHONIC AMPLIFIER



**MODEL 1000**

# **SERVICE MANUAL**

# PARTS LIST

| Part No         | Nomenclature                                                  |
|-----------------|---------------------------------------------------------------|
| R <sub>1</sub>  | 1M $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>2</sub>  | 150K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>3</sub>  | 10K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>4</sub>  | 4.7M $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>5</sub>  | 68 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>6</sub>  | 4K $\Omega$ 2 Watt 10%Carbon Fixed Resistor                   |
| R <sub>7</sub>  | 68 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>8</sub>  | 4K $\Omega$ 2 Watt 10%Carbon Fixed Resistor                   |
| R <sub>9</sub>  | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>10</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>11</sub> | 15K $\Omega$ ½ Watt 10%Carbon Fixed Resistor                  |
| R <sub>12</sub> | 15K $\Omega$ 1 Watt 10%Carbon Fixed Resistor                  |
| R <sub>13</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>14</sub> | 1K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>15</sub> | 1K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>16</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>17</sub> | 150K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>18</sub> | 10K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>19</sub> | 20K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>20</sub> | 50 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>21</sub> | 8K $\Omega$ 1 Watt 10%Carbon Fixed Resistor                   |
| R <sub>22</sub> | 2M $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>23</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>24</sub> | 50K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>25</sub> | 8K $\Omega$ 2 Watt 10%Carbon Fixed Resistor                   |
| R <sub>26</sub> | 2M $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>27</sub> | 2K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>28</sub> | 630 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>29</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>30</sub> | 100 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>31</sub> | 100K $\Omega$ ½ Watt 10%Carbon Fixed Resistor                 |
| R <sub>32</sub> | 15K $\Omega$ ½ Watt 10%Carbon Fixed Resistor                  |
| R <sub>33</sub> | 1.1K $\Omega$ 10Watt 10%Wirewound Resistor                    |
| R <sub>34</sub> | 1.1K $\Omega$ 10Watt 10%Wirewound Resistor                    |
| R <sub>35</sub> | 1 $\Omega$ 2 Watt 10%Carbon Fixed Resistor                    |
| R <sub>36</sub> | 3K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>37</sub> | 5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>38</sub> | 500 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>39</sub> | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>40</sub> | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>41</sub> | 5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>42</sub> | 5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>43</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>44</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>45</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>46</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>47</sub> | 170K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>48</sub> | 170K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>49</sub> | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less)  |
| R <sub>50</sub> | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less)  |
| R <sub>51</sub> | 250 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>52</sub> | 250 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>53</sub> | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less)  |
| R <sub>54</sub> | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |

| Part No          | Nomenclature                                                  |
|------------------|---------------------------------------------------------------|
| R <sub>55</sub>  | 120K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>56</sub>  | 120K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>57</sub>  | 30K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less)  |
| R <sub>58</sub>  | 30K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less)  |
| R <sub>59</sub>  | 7.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>60</sub>  | 7.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>61</sub>  | 16K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>62</sub>  | 16K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>63</sub>  | 8K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>64</sub>  | 8K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>65</sub>  | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less)  |
| R <sub>66</sub>  | 15K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less)  |
| R <sub>67</sub>  | 100 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>68</sub>  | 100 $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>69</sub>  | 6.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>70</sub>  | 6.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor<br>(noise less) |
| R <sub>71</sub>  | 50K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>72</sub>  | 50K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>73</sub>  | 1M $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>74</sub>  | 1M $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>75</sub>  | 2K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>76</sub>  | 2K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                   |
| R <sub>77</sub>  | 100K $\Omega$ ½ Watt 10%Carbon Fixed Resistor                 |
| R <sub>78</sub>  | 100K $\Omega$ ½ Watt 10%Carbon Fixed Resistor                 |
| R <sub>79</sub>  | 100K $\Omega$ Resistor enclosed in CRSO-2                     |
| R <sub>80</sub>  | 100K $\Omega$ Resistor enclosed in CRSO-2                     |
| R <sub>81</sub>  | 15K $\Omega$ Resistor enclosed in CRSO-2                      |
| R <sub>82</sub>  | 15K $\Omega$ Resistor enclosed in CRSO-2                      |
| R <sub>83</sub>  | 100K $\Omega$ Resistor enclosed in CRSO-2                     |
| R <sub>84</sub>  | 100K $\Omega$ Resistor enclosed in CRSO-2                     |
| R <sub>85</sub>  | 2.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>86</sub>  | 2.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>87</sub>  | 50K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>88</sub>  | 50K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>89</sub>  | 10M $\Omega$ ½ Watt 10%Carbon Fixed Resistor                  |
| R <sub>90</sub>  | 10M $\Omega$ ½ Watt 10%Carbon Fixed Resistor                  |
| R <sub>91</sub>  | 200K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>92</sub>  | 200K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>93</sub>  | 50K $\Omega$ Resistor enclosed in CRSO-1                      |
| R <sub>94</sub>  | 50K $\Omega$ Resistor enclosed in CRSO-1                      |
| R <sub>95</sub>  | 50K $\Omega$ Resistor enclosed in CRSO-1                      |
| R <sub>96</sub>  | 50K $\Omega$ Resistor enclosed in CRSO-1                      |
| R <sub>97</sub>  | 50K $\Omega$ Resistor enclosed in CRSO-1                      |
| R <sub>98</sub>  | 50K $\Omega$ Resistor enclosed in CRSO-1                      |
| R <sub>99</sub>  | 40K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>100</sub> | 40K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                  |
| R <sub>101</sub> | 1.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>102</sub> | 1.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>103</sub> | 100K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>104</sub> | 2.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>105</sub> | 2.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |
| R <sub>106</sub> | 2.5K $\Omega$ ¼ Watt 10%Carbon Fixed Resistor                 |

# PARTS LIST

| Part No          | Nomenclature  |                   |                   |                     |
|------------------|---------------|-------------------|-------------------|---------------------|
| R <sub>107</sub> | 150K          | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>108</sub> | 150K          | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>109</sub> | 600K          | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>110</sub> | 600K          | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>111</sub> | 5K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>112</sub> | 5K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>113</sub> | 30K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>114</sub> | 30K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>115</sub> | 6K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>116</sub> | 50K           | $\Omega$ 1 Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>117</sub> | 30K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>118</sub> | 30K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>119</sub> | 1K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>120</sub> | 1K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>121</sub> | 400K          | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>122</sub> | 400K          | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>123</sub> | 400K          | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>124</sub> | 400K          | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>125</sub> | 1K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>126</sub> | 1K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>127</sub> | 4K            | $\Omega$ 2 Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>128</sub> | 5K            | $\Omega$ 2 Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>129</sub> | 8 $\Omega$    | 10 Watt           | 10%               | Wire wound Resistor |
| R <sub>130</sub> | 8 $\Omega$    | 10 Watt           | 10%               | Wire wound Resistor |
| R <sub>131</sub> | 100 $\Omega$  | 1 Watt            | 10% Carbon        | Fixed Resistor      |
| R <sub>132</sub> | 6K            | $\Omega$ 1 Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>133</sub> | 100 $\Omega$  | 1 Watt            | 10% Carbon        | Fixed Resistor      |
| R <sub>134</sub> | 15K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>135</sub> | 500K          | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>136</sub> | 3K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>137</sub> | 5K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>138</sub> | 2M            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>139</sub> | 1K            | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>140</sub> | 1. 1K         | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>141</sub> | 500K          | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>142</sub> | 30K           | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>143</sub> | 100K          | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>144</sub> | 50K           | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>145</sub> | 50K           | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>146</sub> | 50K           | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>147</sub> | 50K           | $\Omega$ ¼ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>148</sub> | 10M           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>149</sub> | 15K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>150</sub> | 20K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>151</sub> | 20K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>152</sub> | 15K           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>153</sub> | 10M           | $\Omega$ ½ Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>154</sub> | 30K           | $\Omega$ 1 Watt   | 10% Carbon        | Fixed Resistor      |
| R <sub>155</sub> | 50K           | $\Omega$ Resistor | enclosed in CRS-1 |                     |
| R <sub>156</sub> | 10K           | $\Omega$ Resistor | enclosed in CRS-1 |                     |
| R <sub>157</sub> | 8K            | $\Omega$ Resistor | enclosed in CRS-1 |                     |
| R <sub>158</sub> | 50K           | $\Omega$ Resistor | enclosed in CRS-1 |                     |
| R <sub>159</sub> | 10K           | $\Omega$ Resistor | enclosed in CRS-1 |                     |
| R <sub>160</sub> | 8K            | $\Omega$ Resistor | enclosed in CRS-1 |                     |
| C <sub>1</sub>   | 10PF          | 250WV             | 10% ceramic       | tubular             |
| C <sub>2</sub>   | 0. 02 $\mu$ F | 250WV             | 10% ceramic       | tubular             |
| C <sub>3</sub>   | 10PF          | 250WV             | 10% ceramic       | tubular             |
| C <sub>4</sub>   | 100PF         | 250WV             | 10% ceramic       | tubular             |
| C <sub>5</sub>   | 13. 5PF       | 250WV             | 10% ceramic       | tubular             |
| C <sub>6</sub>   | 12PF          | 250WV             | 10% ceramic       | tubular             |
| C <sub>7</sub>   | 7PF           | 250WV             | 10% ceramic       | tubular             |

| Part No         | Nomenclature   |       |              |              |
|-----------------|----------------|-------|--------------|--------------|
| C <sub>8</sub>  | 18PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>9</sub>  | 0. 002 $\mu$ F | 250WV | 10% ceramic  | tubular      |
| C <sub>10</sub> | 10PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>11</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>12</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>13</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>14</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>15</sub> | 50PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>16</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>17</sub> | 10 $\mu$ F     | 150WV | electrolytic | tubular      |
| C <sub>18</sub> | 50PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>19</sub> | 50PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>20</sub> | 350PF          | 500WV | 10% Mica     | tubular      |
| C <sub>21</sub> | 10PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>22</sub> | 350PF          | 550WV | 10% Mica     | tubular      |
| C <sub>23</sub> | 50PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>24</sub> | 10 $\mu$ F     | 150WV | electrolytic | tubular      |
| C <sub>25</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>26</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>27</sub> | 0. 05 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>28</sub> | 50PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>29</sub> | 50PF           | 250WV | 10% ceramic  | tubular      |
| C <sub>30</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>31</sub> | 20 $\mu$ F     | 300WV | electrolytic | Lug terminal |
| C <sub>32</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>33</sub> | 40 $\mu$ F     | 180WV | electrolytic | tubular      |
| C <sub>34</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>35</sub> | 50 $\mu$ F     | 50WV  | electrolytic | tubular      |
| C <sub>36</sub> | 20 $\mu$ F     | 300WV | electrolytic | Lug terminal |
| C <sub>37</sub> | 40 $\mu$ F     | 350WV | electrolytic | Lug terminal |
| C <sub>38</sub> | 40 $\mu$ F     | 300WV | electrolytic | Lug terminal |
| C <sub>39</sub> | 40 $\mu$ F     | 350WV | electrolytic | Lug terminal |
| C <sub>40</sub> | 200 $\mu$ F    | 180WV | electrolytic | tubular      |
| C <sub>41</sub> | 200 $\mu$ F    | 180WV | electrolytic | tubular      |
| C <sub>42</sub> | 50 $\mu$ F     | 50WV  | electrolytic | tubular      |
| C <sub>43</sub> | 25 $\mu$ F     | 50WV  | electrolytic | tubular      |
| C <sub>44</sub> | 25 $\mu$ F     | 50WV  | electrolytic | tubular      |
| C <sub>45</sub> | 200 $\mu$ F    | 25WV  | electrolytic | tubular      |
| C <sub>46</sub> | 200 $\mu$ F    | 25WV  | electrolytic | tubular      |
| C <sub>47</sub> | 0. 005 $\mu$ F | 250WV | 10% ceramic  | tubular      |
| C <sub>48</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>49</sub> | 0. 01 $\mu$ F  | 250WV | 10% ceramic  | tubular      |
| C <sub>50</sub> | 0. 002 $\mu$ F | 250WV | 10% ceramic  | tubular      |
| C <sub>51</sub> | 30 $\mu$ F     | 10WV  | electrolytic | tubular      |
| C <sub>52</sub> | 30 $\mu$ F     | 10WV  | electrolytic | tubular      |
| C <sub>53</sub> | 30 $\mu$ F     | 10WV  | electrolytic | tubular      |
| C <sub>54</sub> | 30 $\mu$ F     | 10WV  | electrolytic | tubular      |
| C <sub>55</sub> | 30 $\mu$ F     | 12WV  | electrolytic | tubular      |
| C <sub>56</sub> | 30 $\mu$ F     | 12WV  | electrolytic | tubular      |
| C <sub>57</sub> | 30 $\mu$ F     | 10WV  | electrolytic | tubular      |
| C <sub>58</sub> | 30 $\mu$ F     | 10WV  | electrolytic | tubular      |
| C <sub>59</sub> | 0. 01 $\mu$ F  | 75WV  | 10% Myler    | tubular      |
| C <sub>60</sub> | 0. 01 $\mu$ F  | 75WV  | 10% Myler    | tubular      |
| C <sub>61</sub> | 0. 04 $\mu$ F  | 75WV  | 10% Myler    | tubular      |
| C <sub>62</sub> | 0. 04 $\mu$ F  | 75WV  | 10% Myler    | tubular      |
| C <sub>63</sub> | 10 $\mu$ F     | 12WV  | electrolytic | tubular      |
| C <sub>64</sub> | 10 $\mu$ F     | 12WV  | electrolytic | tubular      |
| C <sub>65</sub> | 0. 013 $\mu$ F | 75WV  | 10% Myler    | tubular      |
| C <sub>66</sub> | 0. 013 $\mu$ F | 75WV  | 10% Myler    | tubular      |
| C <sub>67</sub> | 0. 05 $\mu$ F  | 75WV  | 10% Myler    | tubular      |
| C <sub>68</sub> | 0. 05 $\mu$ F  | 75WV  | 10% Myler    | tubular      |

# PARTS LIST

## Part No Nomenclature

|       |                                            |
|-------|--------------------------------------------|
| C 69  | 150P F 500WV 10%mica tubular               |
| C 70  | 150P F 500WV 10%mica tubular               |
| C 71  | 0.01 $\mu$ F 400WV 10%oil tubular          |
| C 72  | 0.01 $\mu$ F 400WV 10%oil tubular          |
| C 73  | 0.01 $\mu$ F 400WV 10%oil tubular          |
| C 74  | 0.02 $\mu$ F 400WV 10%oil tubular          |
| C 75  | 0.02 $\mu$ F 400WV 10%oil tubular          |
| C 76  | 30 $\mu$ F 6WV electrolytic tubular        |
| C 77  | 30 $\mu$ F 6WV electrolytic tubular        |
| C 78  | 20 $\mu$ F 350WV electrolytic tubular      |
| C 79  | 0.02 $\mu$ F 400WV 10%oil tubular          |
| C 80  | 0.02 $\mu$ F 400WV 10%oil tubular          |
| C 81  | 150P F 500WV 10%mica tubular               |
| C 82  | 150P F 500WV 10%mica tubular               |
| C 83  | 20P F 250WV 10%ceramic tubular             |
| C 84  | 20P F 250WV 10%ceramic tubular             |
| C 85  | 0.001 $\mu$ F 400WV 10%oil tubular         |
| C 86  | 0.001 $\mu$ F 400WV 10%oil tubular         |
| C 87  | 0.003 $\mu$ F condenser enclosed in CRSO-2 |
| C 88  | 0.003 $\mu$ F condenser enclosed in CRSO-2 |
| C 89  | 0.03 $\mu$ F condenser enclosed in CRSO-2  |
| C 90  | 0.03 $\mu$ F condenser enclosed in CRSO-2  |
| C 91  | 0.02 $\mu$ F 400WV 10%oil tubular          |
| C 92  | 0.02 $\mu$ F 400WV 10%oil tubular          |
| C 93  | 0.01 $\mu$ F 400WV 10%oil tubular          |
| C 94  | 0.01 $\mu$ F 400WV 10%oil tubular          |
| C 95  | 0.003 $\mu$ F 400WV 10%oil tubular         |
| C 96  | 0.003 $\mu$ F 400WV 10%oil tubular         |
| C 97  | 300P F condenser enclosed in CRS-1         |
| C 98  | 300P F condenser enclosed in CRS-1         |
| C 99  | 200P F condenser enclosed in CRS-1         |
| C 100 | 200P F condenser enclosed in CRS-1         |
| C 101 | 200P F condenser enclosed in CRS-1         |
| C 102 | 200P F condenser enclosed in CRS-1         |
| C 103 | 400P F 500WV 10%mica tubular               |
| C 104 | 400P F 500WV 10%mica tubular               |
| C 105 | 0.2 $\mu$ F 250WV 10%M.P condenser         |
| C 106 | 0.2 $\mu$ F 250WV 10%M.P condenser         |
| C 107 | 30 $\mu$ F 6WV electrolytic tubular        |
| C 108 | 30 $\mu$ F 6WV electrolytic tubular        |
| C 109 | 200P F 500WV 10%mica tubular               |
| C 110 | 200P F 500WV 10%mica tubular               |
| C 111 | 20 $\mu$ F 300WV electrolytic lug terminal |
| C 112 | 0.5 $\mu$ F 250WV 10%M.P condenser         |
| C 113 | 0.3 $\mu$ F 250WV 10%M.P condenser         |
| C 114 | 0.3 $\mu$ F 250WV 10%M.P condenser         |
| C 115 | 0.3 $\mu$ F 250WV 10%M.P condenser         |
| C 116 | 0.3 $\mu$ F 250WV 10%M.P condenser         |
| C 117 | 20 $\mu$ F 300WV electrolytic lug terminal |
| C 118 | 0.5 $\mu$ F 250WV 10%M.P condenser         |
| C 119 | 0.01 $\mu$ F 400WV 10%oil tubular          |
| C 120 | 40 $\mu$ F 180WV electrolytic tubular      |
| C 121 | 0.1 $\mu$ F 400WV 10%oil tubular           |
| C 122 | 300P F 500WV 5%mica tubular                |
| C 123 | 200P F 500WV 5%mica tubular                |
| C 124 | 150P F 250WV 10%ceramic tubular            |
| C 125 | 150P F 250WV 10%ceramic tubular            |
| C 126 | 1500P F 500WV 5%mica tubular               |
| C 127 | 0.001 $\mu$ F 400WV 10%oil tubular         |
| C 128 | 1 $\mu$ F 150WV electrolytic tubular       |
| C 129 | 0.01 $\mu$ F 400WV 10%oil tubular          |

## Part No Nomenclature

|       |                                                                                       |
|-------|---------------------------------------------------------------------------------------|
| C 130 | 3000P F 500WV 5%mica tubular                                                          |
| C 131 | 0.001 $\mu$ F 400WV 10%oil tubular                                                    |
| C 132 | 0.003 $\mu$ F 400WV 10%oil tubular                                                    |
| C 133 | 0.001 $\mu$ F 400WV 10%oil tubular                                                    |
| C 134 | 300P F 500WV 5%mica tubular                                                           |
| C 135 | 80P F condenser enclosed in CRS-1                                                     |
| C 136 | 500P F condenser enclosed in CRS-1                                                    |
| C 137 | 430P F condenser enclosed in CRS-1                                                    |
| C 138 | 0.003 $\mu$ F 400WV 10%oil tubular                                                    |
| C 139 | 80P F condenser enclosed in CRS-1                                                     |
| C 140 | 430P F condenser enclosed in CRS-1                                                    |
| C 141 | 500P F condenser enclosed in CRS-1                                                    |
| VR-1  | HUM. Balance 100 $\Omega$                                                             |
| VR-2  | HUM. Balance 100 $\Omega$                                                             |
| VR-3  | Variable Resistor, type 24 $\phi$ 5K $\Omega$ (B)                                     |
| VR-4  | Variable Resistor, type 24 $\phi$ 5K $\Omega$ (B)                                     |
| VR-5  | Variable Resistor, type 24 $\phi$ 500K $\Omega$ (A)<br>(Roudness. tap~120K $\Omega$ ) |
| VR-6  | Variable Resistor, type 24 $\phi$ 500K $\Omega$ (A)                                   |
| VR-7  | Variable Resistor, type 24 $\phi$ 1M $\Omega$ (N)<br>(Tone control)                   |
| VR-8  | Variable Resistor, type 24 $\phi$ 1M $\Omega$ (N)<br>(Tone control)                   |
| VR-9  | Variable Resistor, type 24 $\phi$ 50K $\Omega$ (A)                                    |
| VR-10 | Variable Resistor, type 24 $\phi$ 500K $\Omega$ (A)(C)<br>(Balance control)           |
| VC-1  | Variable capacity(FM.tuning)                                                          |
| VC-2  | Variable capacity(FM.osillator)                                                       |
| VC-3  | Variable capacity(AM.Tuning)                                                          |
| VC-4  | Variable capacity(AM.osillator)                                                       |
| TC-1  | Trimmer condenser                                                                     |
| TC-2  | Trimmer condenser                                                                     |
| TC-3  | Trimmer condenser                                                                     |
| PT    | Pating condenser                                                                      |
| V-1   | Vacuumtube 6AQ8                                                                       |
| V-2   | Vacuumtube 6BA6                                                                       |
| V-3   | Vacuumtube 6BA6                                                                       |
| V-4   | Vacuumtube 6BA6                                                                       |
| V-5   | Vacuumtube 6BE6                                                                       |
| V-6   | Vacuumtube 12A $\times$ 7                                                             |
| V-7   | Vacuumtube 6AN8                                                                       |
| V-8   | Vacuumtube 25E5                                                                       |
| V-9   | Vacuumtube 25E5                                                                       |
| V-10  | Vacuumtube 12A $\times$ 7                                                             |
| V-11  | Vacuumtube 6AN8                                                                       |
| V-12  | Vacuumtube 25E5                                                                       |
| V-13  | Vacuumtube 25E5                                                                       |
| V-14  | Vacuumtube 12AT7                                                                      |
| V-15  | Vacuumtube 6BL8                                                                       |
| V-16  | Vacuumtube 12AU7                                                                      |
| T-1   | ZMO7-AA-1 46mH $\pm$ 20%(19K %)                                                       |
| T-2   | MPT-3A 7mH $\pm$ 20%(19K %)                                                           |
| T-3   | MPT-3B 7mH $\pm$ 20%(38K %)                                                           |
| T-4   | MFC-3 25mH $\pm$ 20%(67K %)                                                           |



## PARTS LIST

| Part No         | Nomenclature                                                                                   |
|-----------------|------------------------------------------------------------------------------------------------|
| T <sub>5</sub>  | FM antenna                                                                                     |
| T <sub>6</sub>  | 1st FM(10.7MC)AM(455KC)I.F.T.                                                                  |
| T <sub>7</sub>  | 2nd FM(10.7MC)AM(455KC)I.F.T.                                                                  |
| T <sub>8</sub>  | 3rd FM I.F.T.(10.7MC)                                                                          |
| T <sub>9</sub>  | FM Discriminator (10.7MC)                                                                      |
| T <sub>10</sub> | power transformer                                                                              |
| T <sub>11</sub> | Output transformer primary = 3.5K $\Omega$<br>secondary 8 $\Omega$ , 16 $\Omega$ , 32 $\Omega$ |
| T <sub>12</sub> | Output transformer primary = 3.5K $\Omega$<br>secondary 8 $\Omega$ , 16 $\Omega$ , 32 $\Omega$ |
| L <sub>1</sub>  | FM plate coil                                                                                  |
| L <sub>2</sub>  | FM oscillator coil                                                                             |
| L <sub>3</sub>  | AM loopstick antenna coil                                                                      |
| L <sub>4</sub>  | AM oscillator coil                                                                             |
| IS-352          | Variable capacitor                                                                             |
| OA-81           | Ge. diode-VDM 115V ID 50mA<br>+75°C -55°C                                                      |
| SD              | Silicon diode AC 120V DC500mA<br>-55°C + 130°C                                                 |
| SE              | Selenium Rectifier                                                                             |
| TR <sub>1</sub> | transistor 2SB-381-2A                                                                          |
| TR <sub>2</sub> | transistor 2SB-381-2A                                                                          |
| TR <sub>3</sub> | transistor 2SB-381-2A                                                                          |

| Part No             | Nomenclature                                 |
|---------------------|----------------------------------------------|
| TR <sub>4</sub>     | transistor 2SB- 81-2A                        |
| JC-1                | Power Adjustment for<br>100V /117V /240V AC  |
| JC-2                | D.I.N Jack(tape Recoder connector)           |
| JC-3                | Headphone Jack                               |
| PL                  | Pilot Lamp 6.3V 0.15A                        |
| RELAY               | 587-313-MB DC6mA                             |
| S <sub>11a-b</sub>  | Band selector                                |
| S <sub>21a-b</sub>  | Input selector                               |
| S <sub>31a-b</sub>  | Mode switch                                  |
| S <sub>41a-b</sub>  | Input selector                               |
| S <sub>51a-b</sub>  | High Filter switch                           |
| S <sub>61a-b</sub>  | MAG / X-TAL Change-over switch<br>Slide type |
| S <sub>71a-b</sub>  | presence switch                              |
| S <sub>8</sub>      | power switch                                 |
| S <sub>91a-b</sub>  | loudness switch                              |
| S <sub>101a-b</sub> | Tape Monitor switch                          |
| S <sub>111a-b</sub> | Headphone / speaker change-over switch       |
| F                   | Fuse 3A                                      |
| (M)                 | Tuning Indicator                             |
| SM-80L              | Choke coil L= 2H                             |
| LH                  | Heater choke coil                            |

## ALIGNMENT

### AM ALIGNMENT PROCEDURE

| STEP | ALIGN.          | GENRATOR                              | FEED SIGNAL          | OUTUPT INDICATOR                         | DIAL SETTING | ADJUST                                                                                 | ADJUST FOR            |
|------|-----------------|---------------------------------------|----------------------|------------------------------------------|--------------|----------------------------------------------------------------------------------------|-----------------------|
| 1.   | IF Trans-former | 455 KC<br>$\pm$ 30KC sweep            | Pin 7 6BE6           | Oscilloscope<br>at T.P. ③                |              | 1st IFT -<br>Primary &<br>secondary<br>2nd IFT -<br>Primary &<br>secondary<br>OSC coil | Best IFT<br>Wave form |
| 2.   | OSC             | 600 KC<br>400c /s 30 %<br>Modulation  | Antenna<br>Terminals | Oscilloscope<br>& VTVM at<br>output load | 600KC        |                                                                                        | Maximum               |
| 3.   | OSC             | 1400 KC<br>400c /s 30 %<br>Modulation | Same                 | Same                                     | 1400 KC      | OSC Trimmer                                                                            | Maximum               |
| 4.   |                 | Reiterate 2. 3.                       |                      |                                          |              |                                                                                        |                       |
| 5.   | RF Amp.         | 600 KC<br>400c /s 30 %<br>Modulation  | Antenna<br>Terminals | Oscilloscope<br>& VTVM at<br>output load | 600 KC       | RF coil                                                                                | Maximum               |
| 6.   | RF Amp.         | 1400 KC<br>400c /s 30 %<br>Modulation | Same                 | Same                                     | 1400KC       | RF Trimmer                                                                             | Maximum               |

# ALIGNMENT

## FM ALIGNMENT PROCEDURE

1. AFC- OFF      2. Turn tuning gang fully      Center carrier wave.      Set pointer at reference mark.

| STEP | ALIGN.         | GENERATOR                         | FEED SIGNAL                                             | OUTPUT INDICATOR                   | DIAL SETTING | ADJUST                        | ADJUST FOR         |
|------|----------------|-----------------------------------|---------------------------------------------------------|------------------------------------|--------------|-------------------------------|--------------------|
| 1.   | IF Transformer | 10.7 MC<br>±400 KCsweep           | FM Sweep Gen. connect to pin 7 of converter tube(6AQ8). | Oscilloscope at T.P. ①             |              | 1st IFT<br>2nd IFT<br>3rd IFT | Best IFT Wave from |
| 2.   | Discriminator  | Same                              | Same                                                    | Oscilloscope & T.P. ②              |              | Discriminator Transformer     | S curve            |
| 3.   | OSC            | 84 MC<br>400c /s 30 % Modulation  | Antenna Terminals                                       | Oscilloscope & VTVM at output load | 84 MC        | OSC coil                      | Maximum            |
| 4.   | OSC            | 104 MC<br>400c /s 30 % Modulation | Same                                                    | Same                               | 104MC        | OSC Trimmer                   | Maximum            |
| 5.   |                | Reiterate 3.4.                    |                                                         |                                    |              |                               |                    |
| 6.   | RF Amp.        | 84 MC<br>400c /s 30 % Modulation  | Antenna Terminals                                       | Oscilloscope & VTVM at output load | 84 MC        | RF Amp. coil                  | Maximum            |
| 7.   | RF Amp.        | 104 MC<br>400c /s 30 %            | Same                                                    | Same                               | 104MC        | RF trimmer                    | Maximum            |
| 8.   |                | Reiterate 6. 7.                   |                                                         |                                    |              |                               |                    |

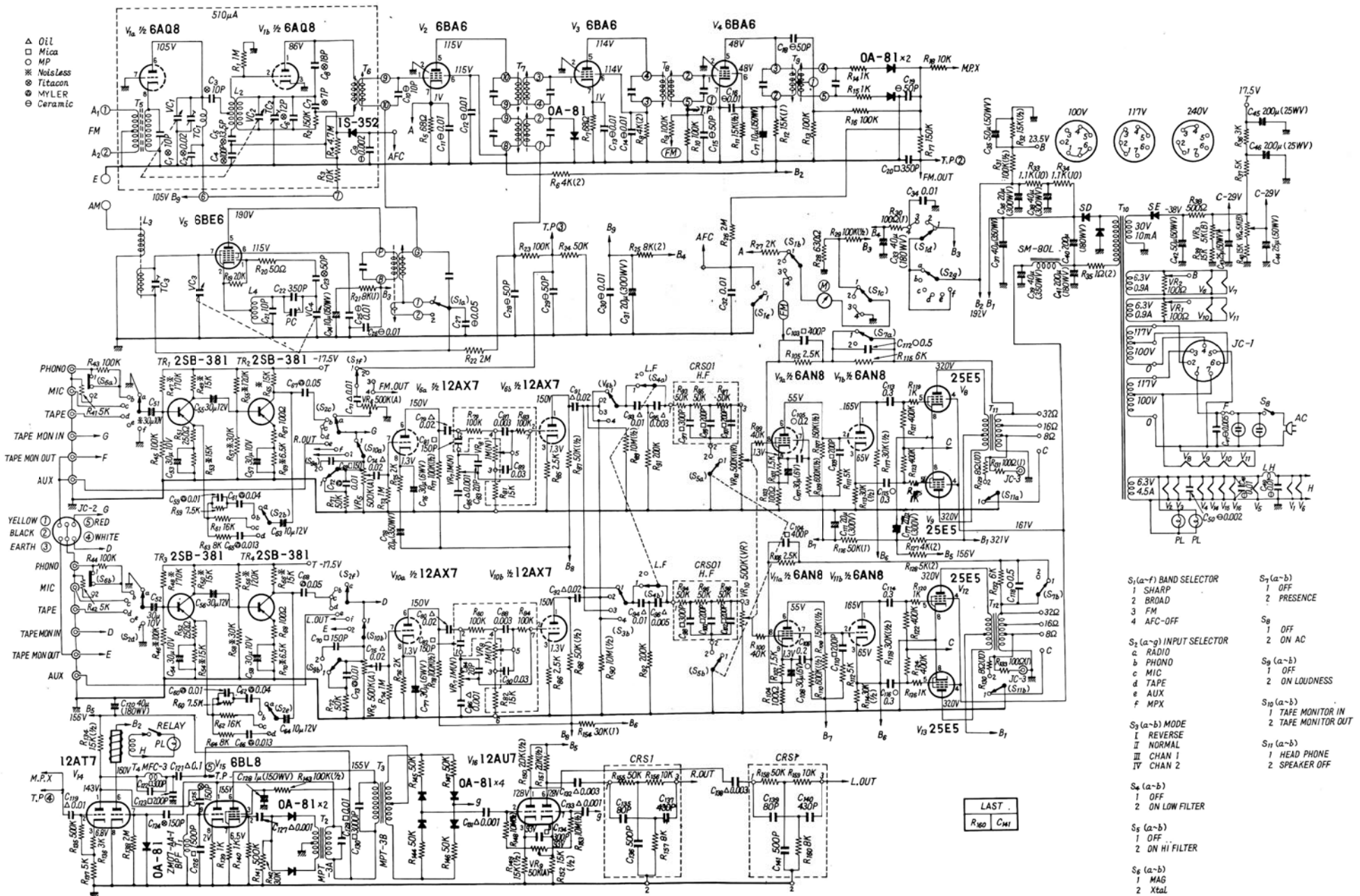
## MULTIPLEX ALIGNMENT PROCEDURE

1. Do not attempt to align the Multiplex Circuit unless the following equipment is available:
- a. Multiplex Stereo Generator
  - b. FM Signal Generator
  - c. Oscilloscope
  - d. Sweep Generator
  - e. AC V.T.V.M
  - f. Audio oscillator

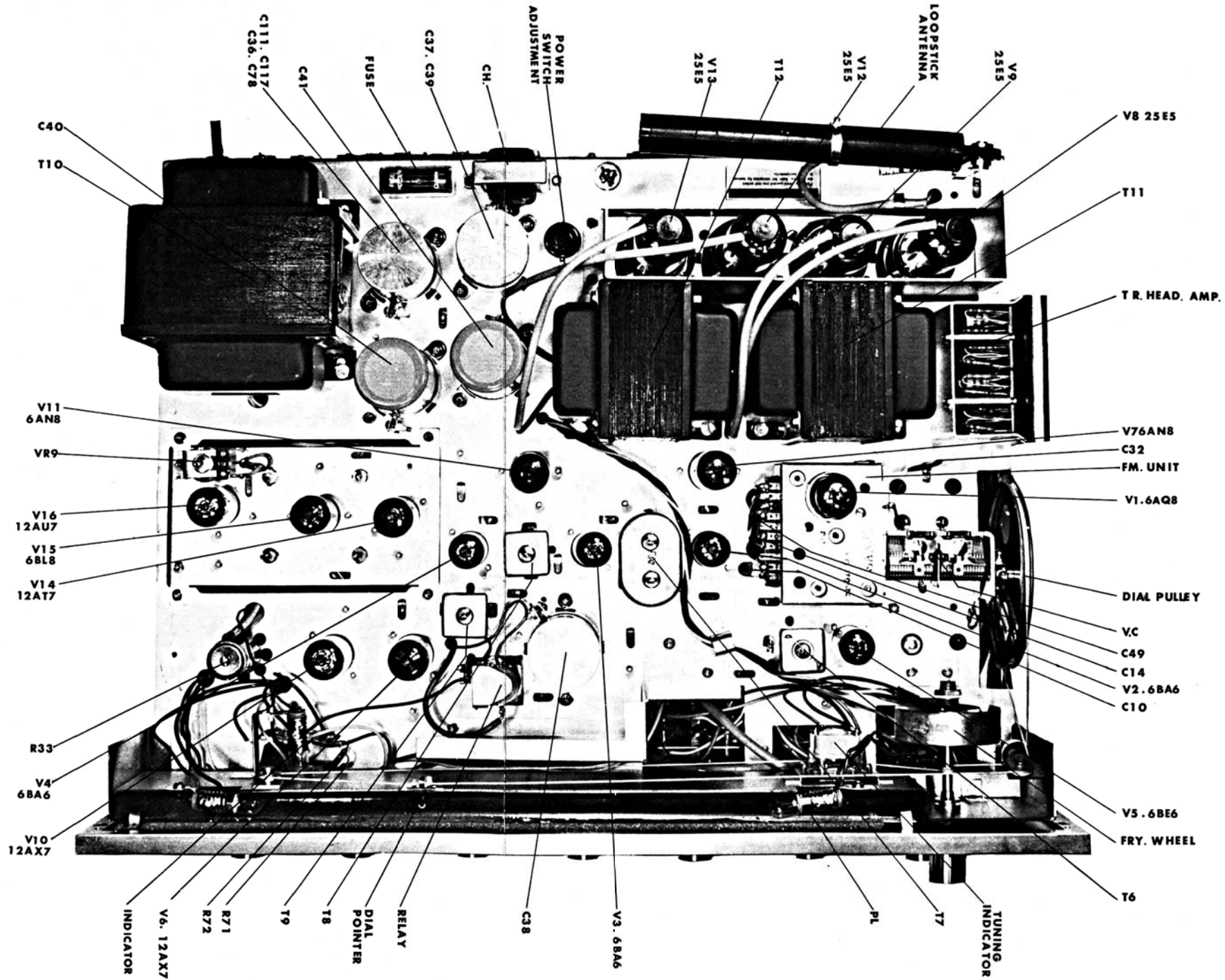
| STEP | ALIGN.              | GENERATOR                                                     | FEED SIGNAL                      | OUTPUT INDICATOR                               | ADJUST        | ADJUST FOR        |
|------|---------------------|---------------------------------------------------------------|----------------------------------|------------------------------------------------|---------------|-------------------|
| 1.   | 67 KC Trap          | 67 KC Audio Signal                                            | Connect to T.P. ④                | VTVM at T.P. ⑤                                 | T 4           | Minimum           |
| 2.   | 19 KC Transformer   | FM Signal Gen. Modulated 30 % by Stereo Gen. sub Channel      | Antenna Terminals Tune to signal | VTVM & Oscilloscope at Output load.            | T 1           | Maximum           |
| 3.   | 19 KC Transformer   | Same                                                          | Same                             | Same                                           | T 2           | Maximum           |
| 4.   | 38 KC Transforormer | Same                                                          | Same                             | Same                                           | T 3           | Maximum           |
| 5.   | Separation VR       | FM Signal Gen. Modulated 30 % by Stereo Signal Gen. Channel A | Same                             | VTVM & Oscilloscope at Out. put load Channel B | Separation VR | Channel A Minimum |

# SCHEMATIC DIAGRAM

- △ Oil
- Mica
- MP
- ※ Noiseless
- ⊗ Teflon
- ⊙ MYLAR
- ⊖ Ceramic

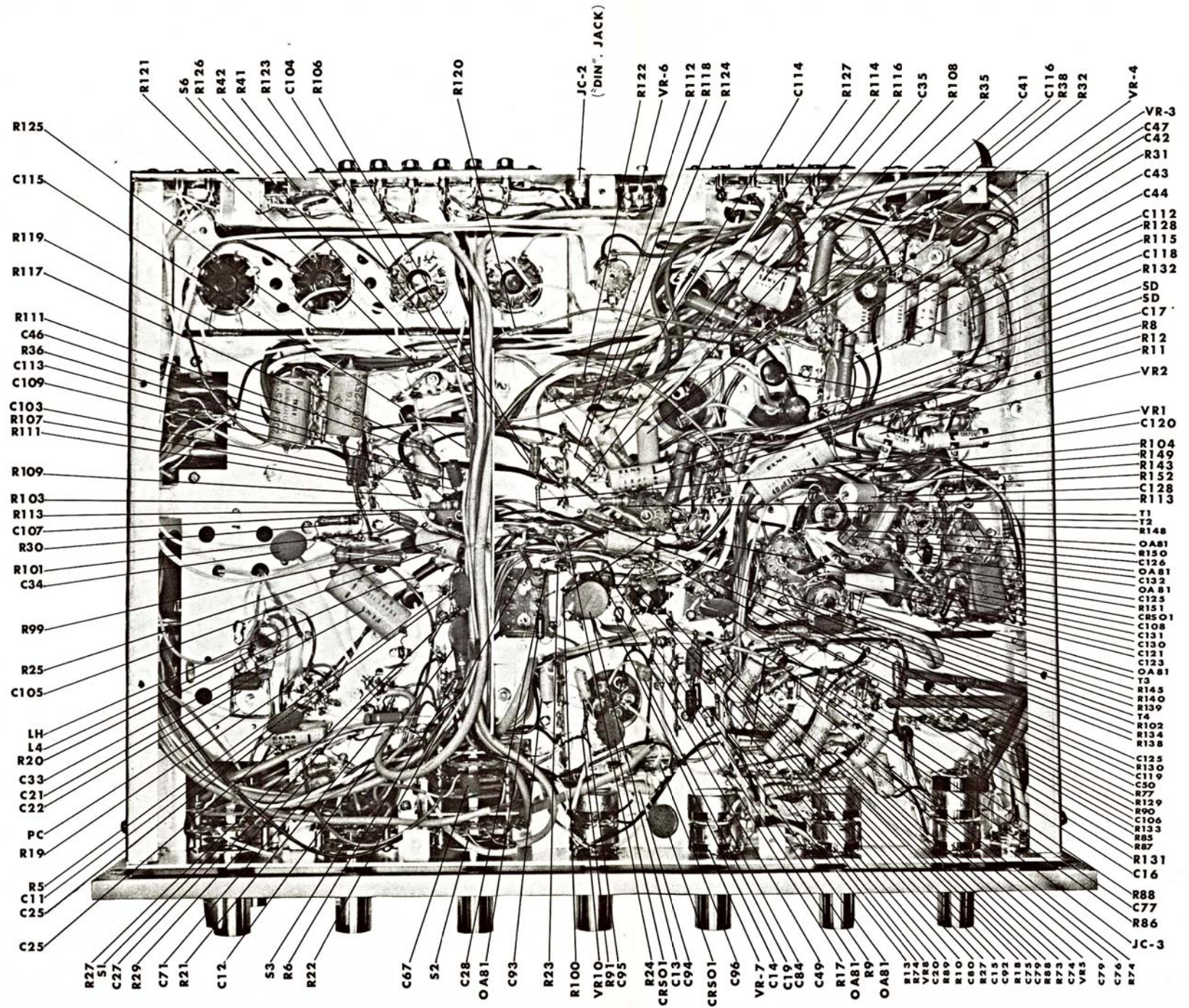


# CHASSIS TOP VIEW



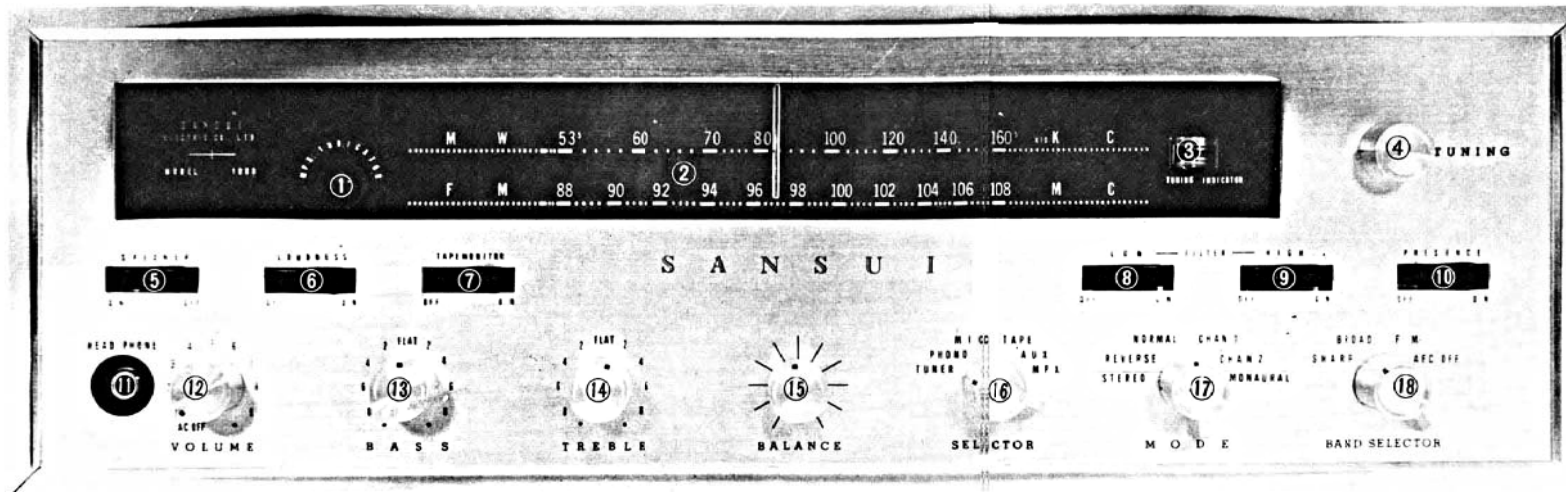


# CHASSIS BOTTOM VIEW





## LOCATION OF CONTROLS & TERMINALS



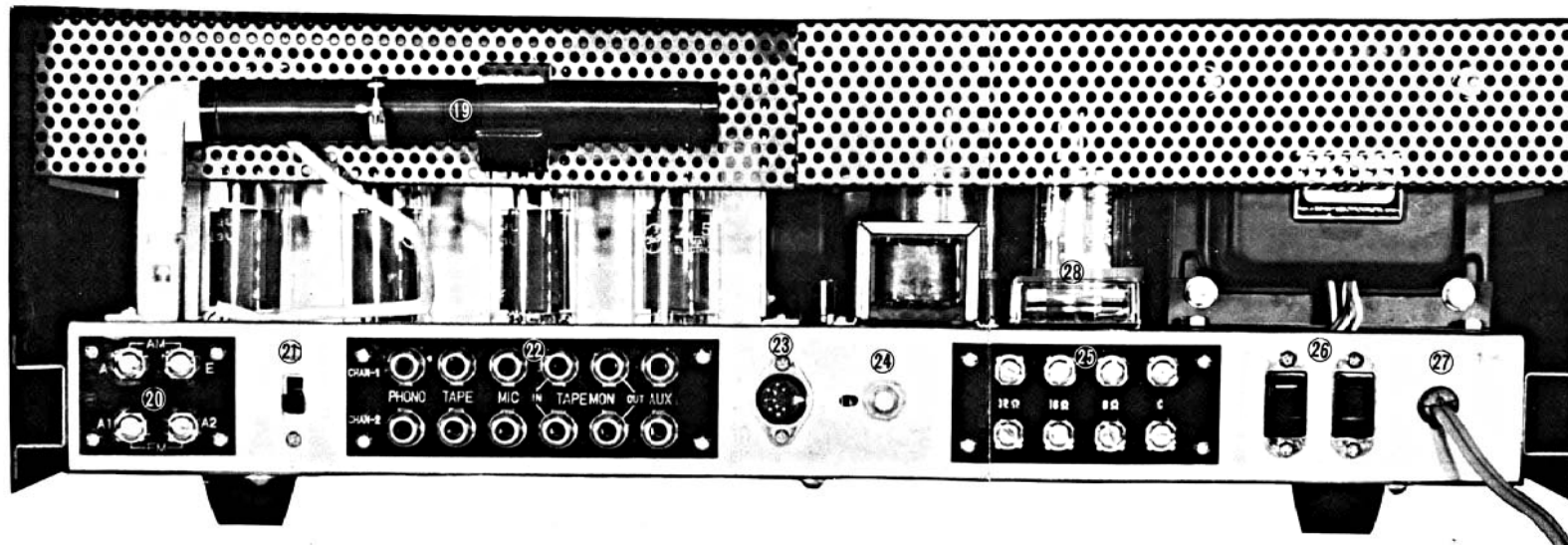
- (1) FM MPX INDICATOR
- (2) DIAL SCALE
- (3) TUNING INDICATOR
- (4) TUNING KNOB
- (5) SPEAKER SWITCH
- (6) LOUDNESS SWITCH
- (7) TAPEMONITOR SWITCH
- (8) LOW FILTER SWITCH
- (9) HIGH FILTER SWITCH
- (10) PRESENCE SWITCH
- (11) HEAD PHONE JACK
- (12) VOLUME KNOB
- (13) BASS KNOB
- (14) TREBLE KNOB
- (15) BALANCE KNOB
- (16) SELECTOR SWITCH

TUNER  
PHONO  
MIC  
TAPE  
AUX  
MPX

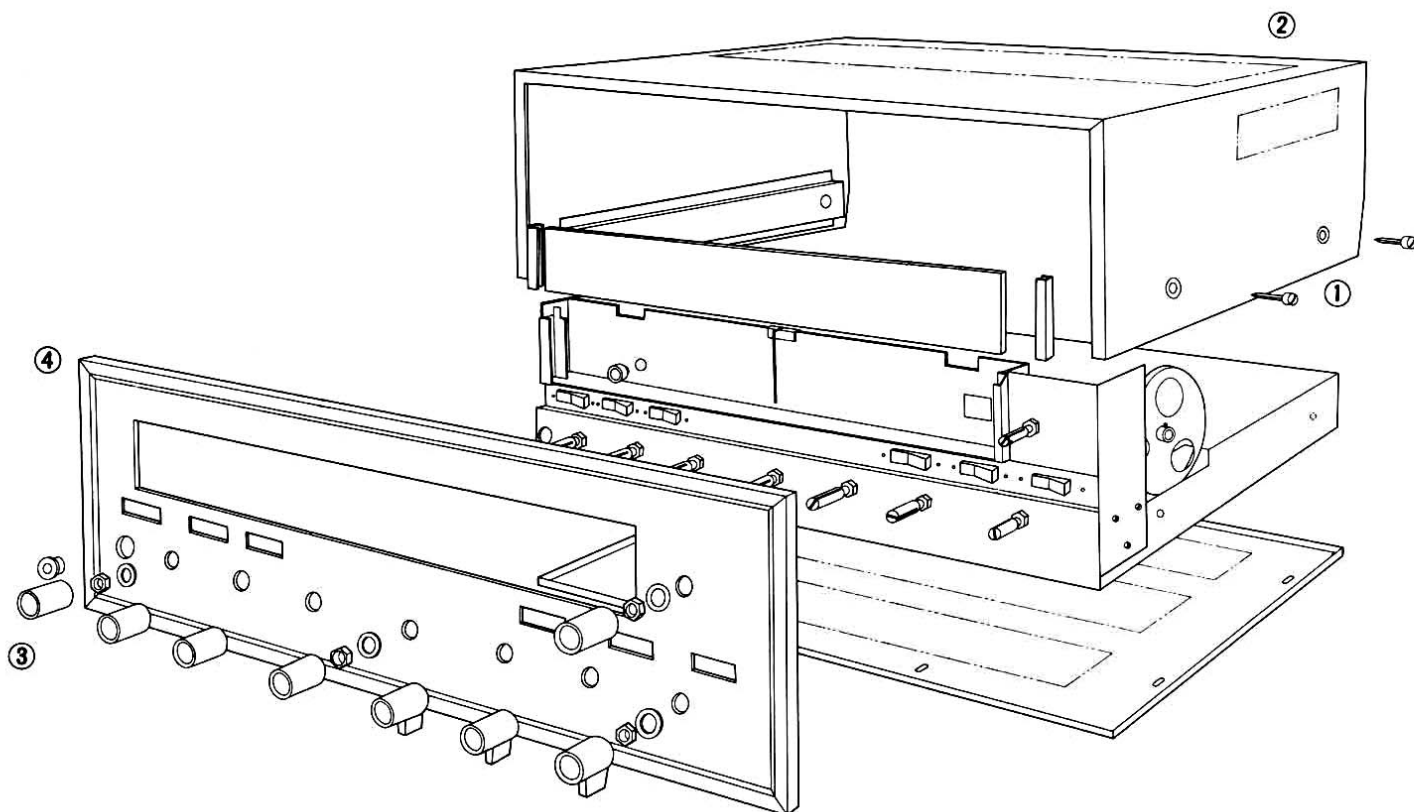
- (17) MODE SWITCH

STEREO { NORMAL  
REVERSE  
MONAURAL { CHAN 1  
CHAN 2

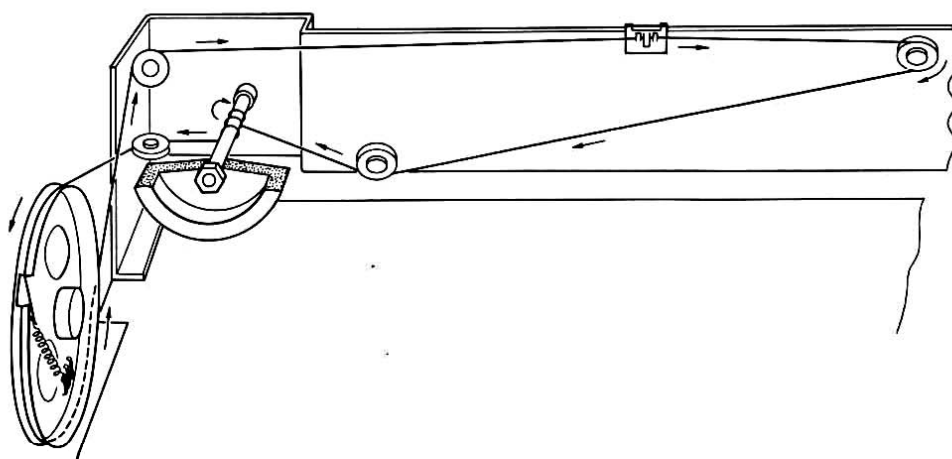
- (18) BAND SELECTOR SWITCH  
SHARP  
BROAD  
FM  
AFC. OFF
- (19) AM FERRITE LOOP STICK ANTENNA
- (20) ANTENNA TERMINAL  
AM ANTENNA TERMINAL(A1, A2)  
FM ANTENNA TERMINAL(A1, A2)
- (21) PICKUP CHANGEABLE SWITCH
- (22) INPUT & OUTPUT TERMINAL  
PHONO, TAPE, MIC, TAPEMON-OUT,  
TAPEMON-IN, AUX,
- (23) RECEPTACLE FOR TAPE RECORDER  
(IN JACK)
- (24) ADJUSTMENT SCREW FOR TUNER LEVEL
- (25) SPEAKER TERMINAL
- (26) AC RECEPTACLES
- (27) AC SUPPLY CORD
- (28) FUSE



## DISASSEMBLE REMOVALS



## DIAL CORD STRINGS



---

## **SANSUI ELECTRIC CO., LTD.**

|                 |                                                   |                      |
|-----------------|---------------------------------------------------|----------------------|
| Head Office;    | 460, Izumi-cho, Suginami-ku, Tokyo, Japan.        | Tel. Tokyo 328-0111  |
| Osaka Branch;   | 4-8, Miyakojima-Minamidori, Miyakojima-ku, Osaka. | Tel. Osaka 928-4391  |
| Nagoya Branch;  | 2-11, Hanaomote-cho, Atsuta-ku, Nagoya.           | Tel. Nagoya 88-8463  |
| Fukuoka Branch; | 2-16, Okamoto, Kasuga-cho, Tsukushi-gun, Fukuoka. | Tel. Fukuoka 58-1253 |
| Show Room;      | 42, Sanko-cho, Shinjuku-ku, Tokyo.                | Tel. Tokyo 368-4586  |