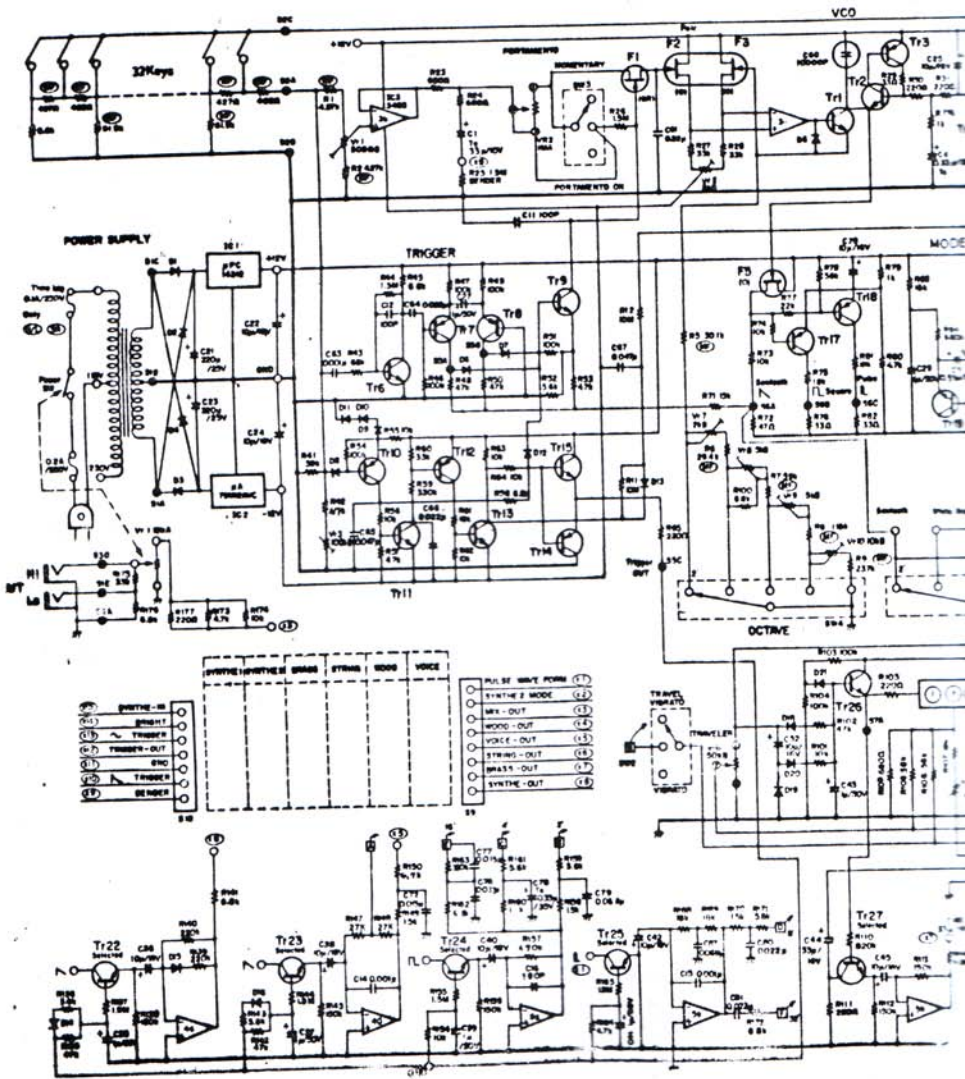
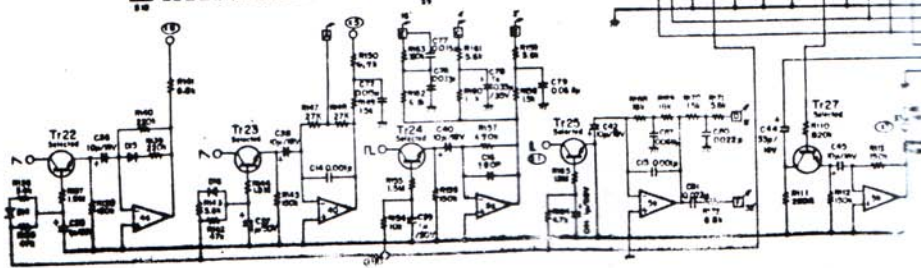
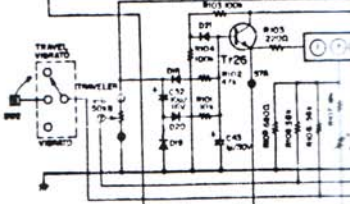


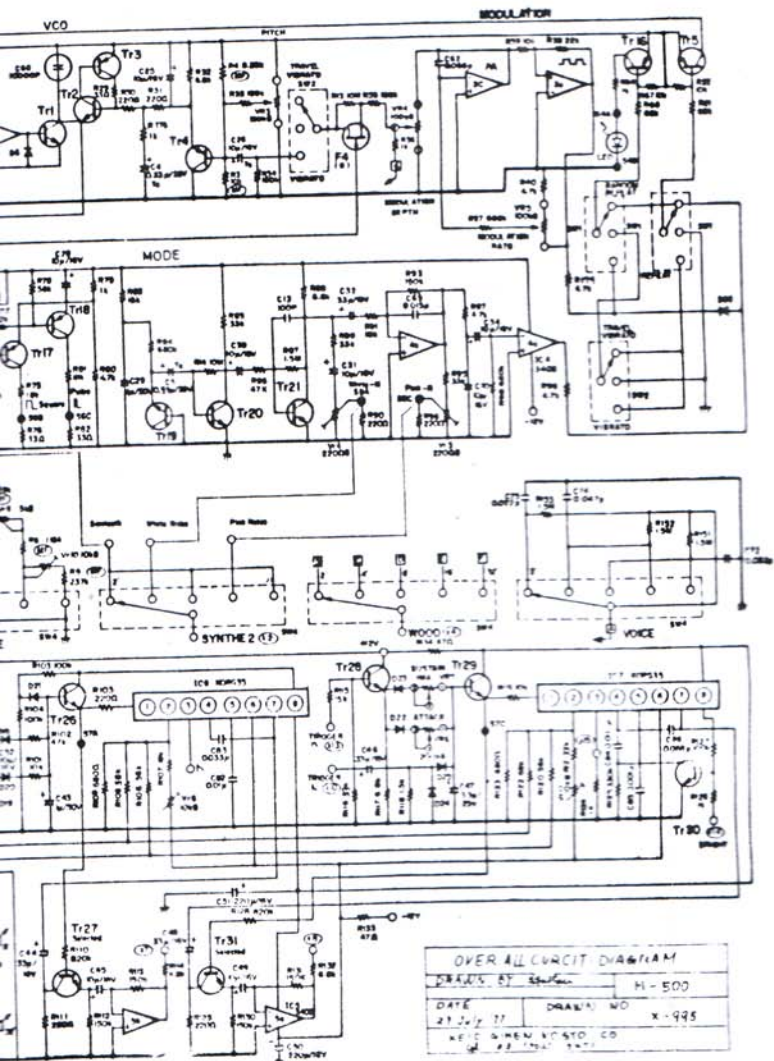
Proviso  
 ———→ Signal  
 - - - - -→ Electric Control

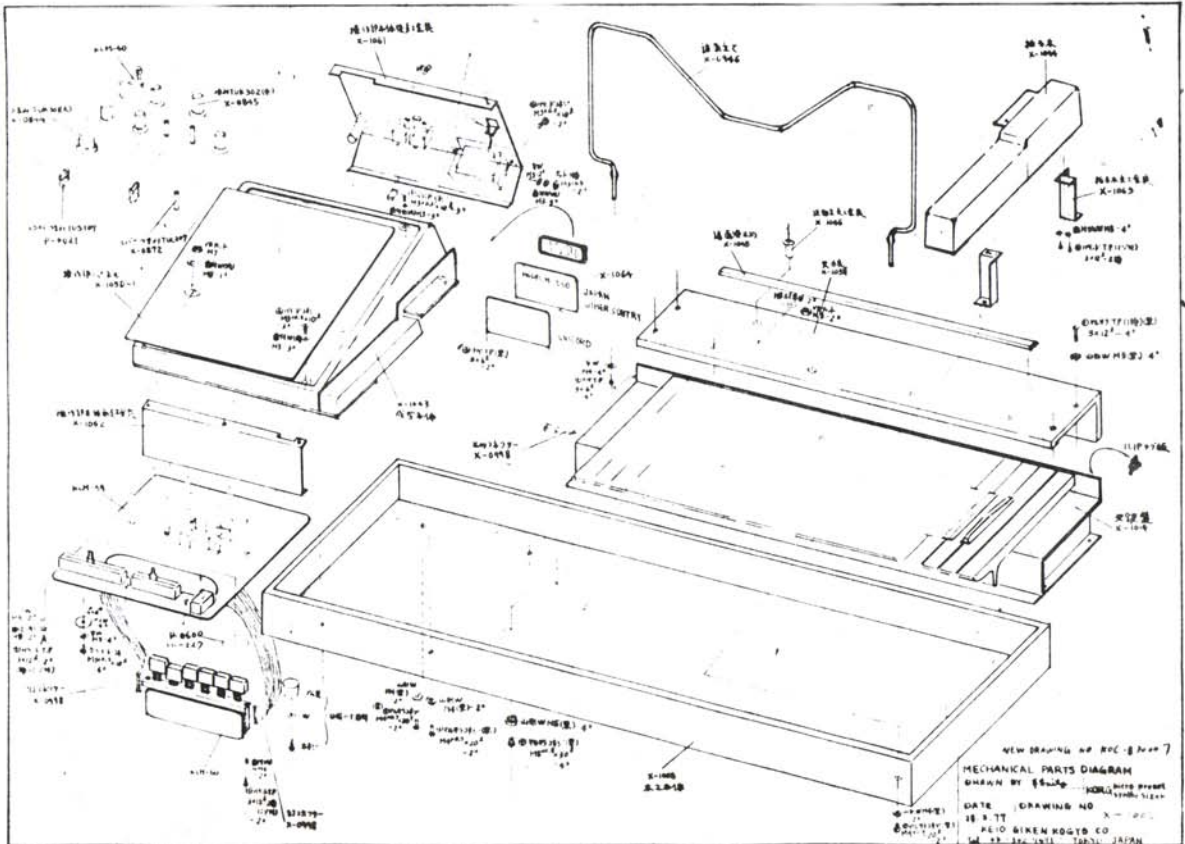
BLOCK DIAGRAM	
DRAWN BY <i>S. S. S.</i>	KORG Micro-Preset 11-500
APPRECIATE BY	
DATE July 8 77	DRAWING NO X-1000
KEIO GIKEN KOGYO TOKYO, JAPAN	
Tel 03 (202) 7471	
KOD-B 8005	



- R1 5K
- SYNTH 2 MODE (1)
- MIX - OUT (2)
- WORD - OUT (3)
- VOICE - OUT (4)
- STRINGS - OUT (5)
- MIX 1 - OUT (6)
- SYNTH - OUT (7)



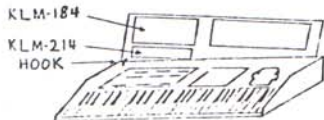




NEW DRAWING OF REC-3 Part 7  
 MECHANICAL PARTS DIAGRAM  
 DESIGNED BY S.S.W. (S.S.W. Design Dept)  
 DATE 18.4.77  
 DRAWING NO. X-1000  
 SUIYO SANGI KOGYO CO. LTD.  
 1-1-1, SHIBUYA-KU, TOKYO, JAPAN

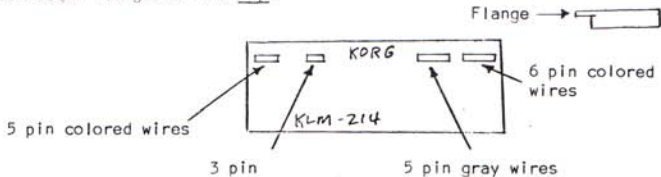
ES50 MODIFICATION PROCEDURE: "Warbling" or "Chirping" problem and excess chorus noise.

1. Unpack unit. Leave plastic spread out as protection.
2. Carefully remove four top bolts and two side bolts.
3. Swing up top part (lid) of unit. Prop the lid against something that won't scratch it. There is one hook attached to each side of the back of the lid. Rest only the left-hand hook on the top rear metal edge of the bottom part of the unit (lid will lean to the right). This protects the wiring on the left from stress. Be careful not to pinch these wires.

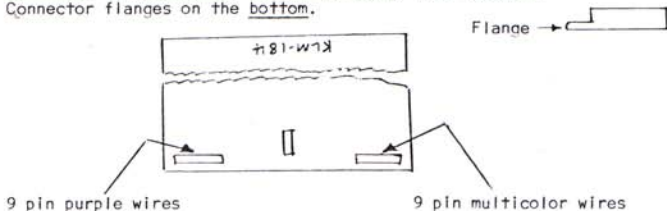


4. Carefully unplug four connectors from KLM-214 board (brown board at lower left of lid part). (See diagram, pg. 2).
5. Carefully unplug two 9-pin connectors from bottom part of KLM-184 board (green board directly above KLM-214). (See diagram, pg. 2).
6. Unscrew four woodscrews with plastic washers from KLM-214 board and carefully remove board.
7. On the solder side of KLM-214 board, add two .015 UF/50V or better 10% tolerance poly caps as follows. Both capacitors should be laid flat against the board. (See diagram A).
  - a. Solder one cap between traces connected to pins 1 and 3 of IC4. DO NOT SOLDER DIRECTLY TO PINS OF IC4.
  - b. Solder remaining cap in parallel w/R208 (solder side).
8. Remove IC6 from KLM-214 board (use Soder-wick or vacuum-type tool). Replace with one piece TL-072 type opamp (T.I.).
9. Re-install KLM-214 board using four woodscrews with plastic washers. Observe orientations: "KORG" label and connectors are at top of board (KLM-184 board is upside down).

10. Re-attach four connectors to KLM-214 board (see diagram). Connector flanges on the top.



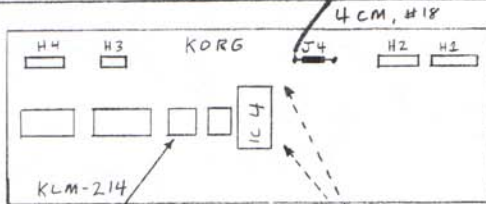
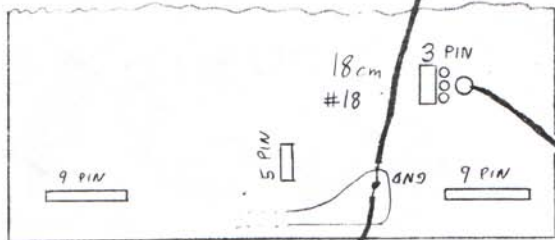
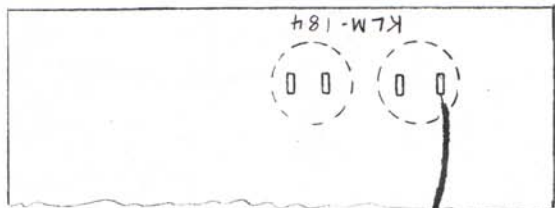
11. Re-attach two connectors to KLM-184 board (see diagram). Connector flanges on the bottom.



12. On KLM-184 board, solder one 18cm #18 ga. grounding wire between the right hand mounting tab for the "PERCUSSIVE" tone pot and the spot marked "GND" about 3cm to the left of the lower righthand 9 pin connector. On both this and the following step, tin separately the bare wire ends and the board locations described, then solder together. (See diagram B).
13. Solder one 4cm #18 ga. grounding between the spot marked "GND" described on (12) above (KLM-184) and the left hand end of J4 on KLM-214 board.
14. This completes the modifications. Swing the lid back down. Be careful that no wires are pinched and that the two side tabs on the control panel slide smoothly into the bottom chassis without catching.
15. Carefully re-install the four top bolts with metal cupwashers and the two side bolts with plastic washers. Center the lid before gently tightening bolts.
16. Listen to unit. Make sure that problem is corrected and everything is working fine.

**Unicord.**

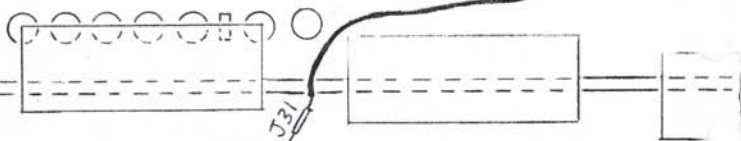
a Division of Gulf + Western Manufacturing Company  
89 Frost Street, Westbury, N.Y. 11590



22 cm  
#18

1C6  
TL072

.015 uF / 50 V  
10% poly caps.



KLM-185

DIAGRAM B

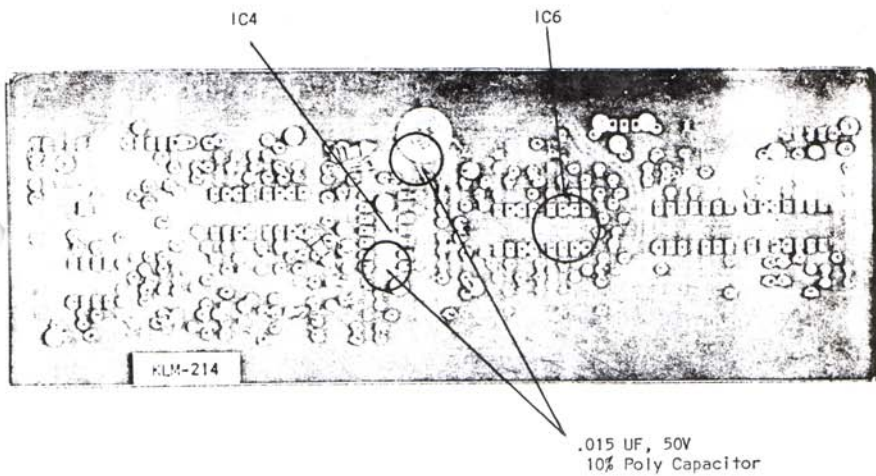


DIAGRAM A

**Unicord.**

a Division of Gulf + Western Manufacturing Company  
89 Frost Street, Westbury, N.Y. 11590

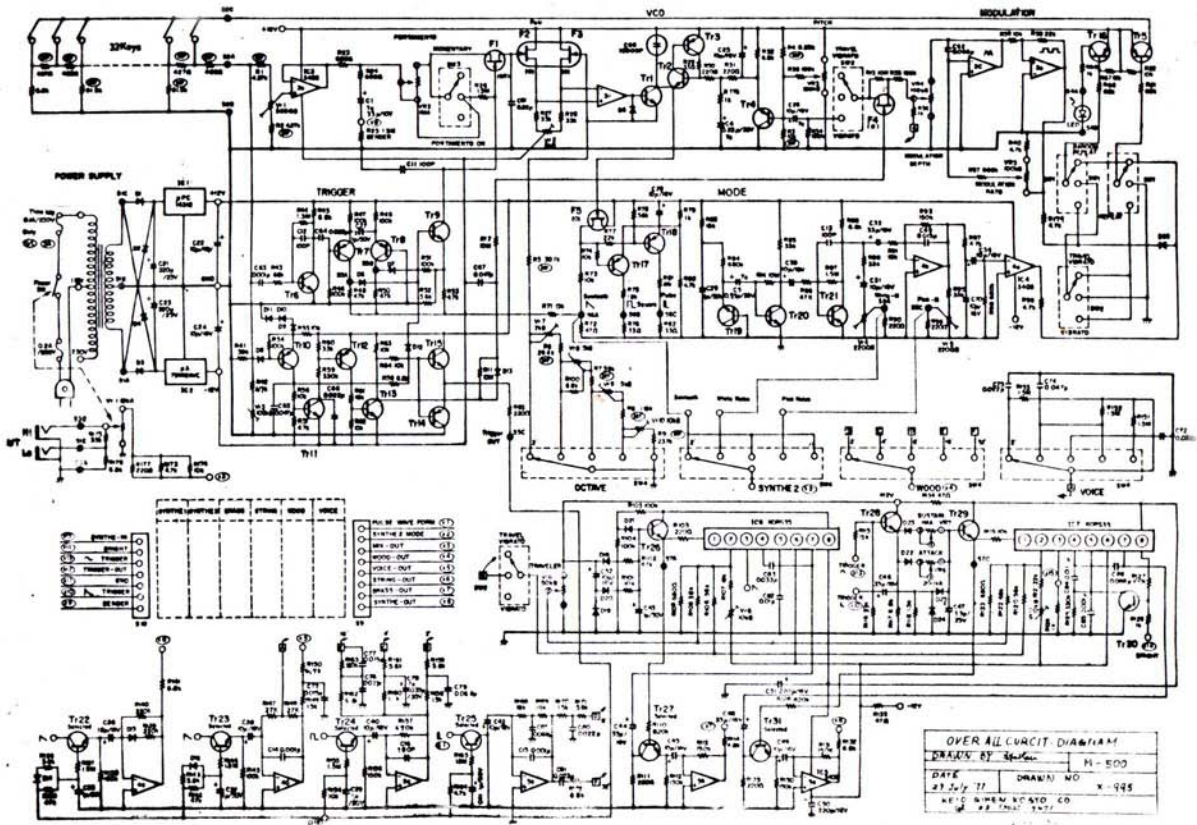




CARS

4000 1/2" x 60" x 60" for the 1000 1/2" Project  
 8.00 1000 1/2" x 60" x 60"  
 No. 1000 1/2" x 60" x 60" for the 1000 1/2" Project  
 1000 1/2" x 60" x 60" for the 1000 1/2" Project

DATE	1966
PROJECT	1000 1/2" x 60" x 60"
NO.	1000 1/2" x 60" x 60"
BY	1000 1/2" x 60" x 60"
FOR	1000 1/2" x 60" x 60"
APPROVED	1000 1/2" x 60" x 60"



OVER ALL CIRCUIT DIAGRAM  
 DRAWN BY [Signature]  
 DATE 2/27/77 DRAWING NO. H-500  
 REC. SYNTH. DIV. CO. X-945  
 # 27007 1977