reVox

CONVERSION KIT :

1	Capstan 60 Hz (3 mm Ø)	1	Condenser for the rewind-motor 2 µF
1	Condenser for the capstan-motor 1,5 µF	2	Condensers for the rewind-motors 0,47 µF
1	Fuse 1,2 A slow-blow (5 x 20 mm)		

60 Hz -
CONVERSION -
KIT for
REVOX G 36

1. Remove plastic covers from head assembly and pressure roller arm. Take off the knobs on all controls and remove plastic deck plate.

2. Unscrew the four mounting screws holding the chassis onto the left and right mounting bracket, lift chassis out of its carrying case. (avoid pinching the power-cord).

3. Remove loudspeaker-panel and unsolder speaker connections.

4. After undoing screws (1) lift upper chassis-plate as fare as possible. If more clearance is required, loosen mounting screws (2) of the selector switches.

5. Remove the motor mounting nuts (3) with hex-nut driver 8 mm and withdraw the capstan motor ass'y by gradually pulling the bottom part towards the front of the recorder as far as wiring permits.

6. Undo the screws (4) on the flywheel coupling or uncouple the rubber strips from their pins on the flywheel.

7. Remove the four fixing bolts (5) with hex-nut tool 7 mm and take the bearing plate off the capstan motor.

8. Remove flywheel fixing nut (11) from the capstan shaft and pull the flywheel from the shaft.

9. Remove retainer ring (12) with C-ring tool, then push capstan shaft down and out of its bearing. Now take the cup-spring (13), the bearing plate (14) the felt-washer (15) and the resofil-washer (16) from the withdrawn capstan-shaft.

10. Apply a film of lubricant (Mobil DTE Extra Heavy SAE40) to the new 60 cy capstan shaft (Ø 3 mm). Place the resofil-washer, the felt-washer and the bearing plate on to the threaded end of the capstan-shaft, carefully insert shaft into bearing housing (10) and secure in place with spring retainer. Carefully slide the flywheel on to the shaft and place the plastic washer (17) over the threaded end before moderately tightening the fixing nut (11). Seal the nut with quick drying lacquer.

11. Remove the mounting-nuts 6 and 7 for the motor capacitors and replace the capacitors in the following sequence : install new capstan motor capacitor 1,5 µF in place of 2 µF (6), the latter is to be used in conjunction with o,47 µF as a new spooling motor capacitor. The second spooling motor capacitor is to be made up from the 2 µF and 0,47 µF supplied.

12. Rewire the capacitors as per the schematic shown on the left hand side. Please note that all terminals marked "J" in the 50 cy version are tie-points only. Wires originally connected to "J" are to be joined and insulated.

13. Solder the connection N1 (refer to Schematic G-36) from the 220 V tap to the 240 V tap on the voltage selector.

14. Set voltage selector to correspond with the line voltage of your electric power system and insert appropriate fuse (110 V, 1,2 Amp.)

15. Re-assemble recorder in reversed order down to step 5 of these instructions. Connect unit to power line, depress play-button and make sure that the pressure spring (19) gets compressed by 0,5 to 1 mm with the pinch roller solenoid (18) energized.

16. Check all functions of the recorder and complete re-assembling the unit.

CONVERSION -
INSTRUCTIONS

ORIGINAL 50 Hz - WIRING

2 uF	3 uF	3 uF
CAPSTAN-M.	LEFT-TORQUE-M.	RIGHT-TORQUE-M.

60 Hz - WIRING

1,5 uF	2 uF + o,47uF	2 uF + o,47uF
CAPSTAN-M.	LEFT-TORQUE-M.	RIGHT-TORQUE-M.

CCIR   RECORD - AMPLIFIER   NAB

CCIR	NAB
C 15 120 pf	C 15 390 pf
	R 131 120 k

The resistors R 131/132 (120 k) are additional components required for NAB equalization.
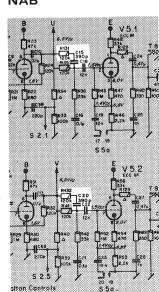
CCIR	NAB
C 20 120 pf	C 20 390 pf
	R 132 120 k

Re-alignment of the bias-current will be necessary for optimum performance after conversion of the equalization-characteristics.
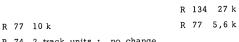SCOTCH 203 Recording Tape is recommended.

CCIR   PLAYBACK - AMPLIFIER   NAB

CCIR		NAB	
		R 133	27 k
R 73	10 k	R 73	5,6 k
R 70	2 track units : no change		
	4 track units :	R 70	100

The resistors R 133/134 (27 k) are additional components required for NAB equalization.

CCIR		NAB	
		R 134	27 k
R 77	10 k	R 77	5,6 k
R 74	2 track units : no change		
	4 track units :	R 74	100

CCIR - NAB -
CONVERSION -
KIT