

# Service Information



Model Nakamichi 1000II (3 Head Cassette System)  
Serial No. from 3145181  
Subject Modification of the IC501 of the  
Capstan Motor Governor Circuit

No. NR-0022 (1/3)  
Date 7/19/78

## I. General:

### A. Purpose:

From the difficulty in purchasing IC501, IC501 has been changed from MC-1458 to 4558.

4558 is functionally compatible with MC-1458, but the adjustment range of the Tape Speed Adjustment Volume (VR502) is changed.

Therefore resistor R512 has been changed from 3.3 k $\Omega$  to 2.7 k $\Omega$  to obtain appropriate adjustable range of the tape speed.

Note: When MC-1458 is changed to 4558 in your services, make the modification of R512 referring to "II. Modification Procedures".

### B. Modification on Capstan Motor Governor P.C.B. Ass'y:

Part No. of the Capstan Motor Governor P.C.B. Ass'y (BA03662B) stays the same.

#### Current Parts

IC501	OB06049B	IC MC-1458	.....	1 pce.
R512	OB01793A	Carbon Resistor 3.3 k ERD-25V J	.....	1 pce.

#### New Parts

IC501	OB06124B	IC 4558	.....	1 pce.
R512	OB01782A	Carbon Resistor 2.7 k ERD-25V J	.....	1 pce.

### C. Compatibility (of new Capstan Motor Governor P.C.B. Ass'y with the current Model):

Possible.

## II. Modification Procedures for the Current Models:

### A. Parts removed:

IC501	OB06049B	IC MC-1458	.....	1 pce.
R512	OB01793A	Carbon Resistor 3.3 k ERD-25V J	.....	1 pce.

### B. Parts required:

IC501	OB06124B	IC 4558	.....	1 pce.
R512	OB01782A	Carbon Resistor 2.7 k ERD-25V J	.....	1 pce.

C. Modification procedures:

1. Disassemble the Cabinet by removing 5 screws.
2. Disassemble the Capstan Motor Governor P.C.B. Ass'y by removing 2 screws.
3. Remove IC501 (MC-1458) and R512 (3.3 k).
4. Mount new IC501 (4558) and R512 (2.7 k).
5. Assemble the Capstan Motor Governor P.C.B. Ass'y by mounting 2 screws.
6. Adjust the Tape Speed referring to item 5.2 on page 32 in the N-1000II service manual.
7. Assemble the Cabinet by mounting 5 screws.

III. Mounting Diagram (Capstan Motor Governor P.C.B. Ass'y):

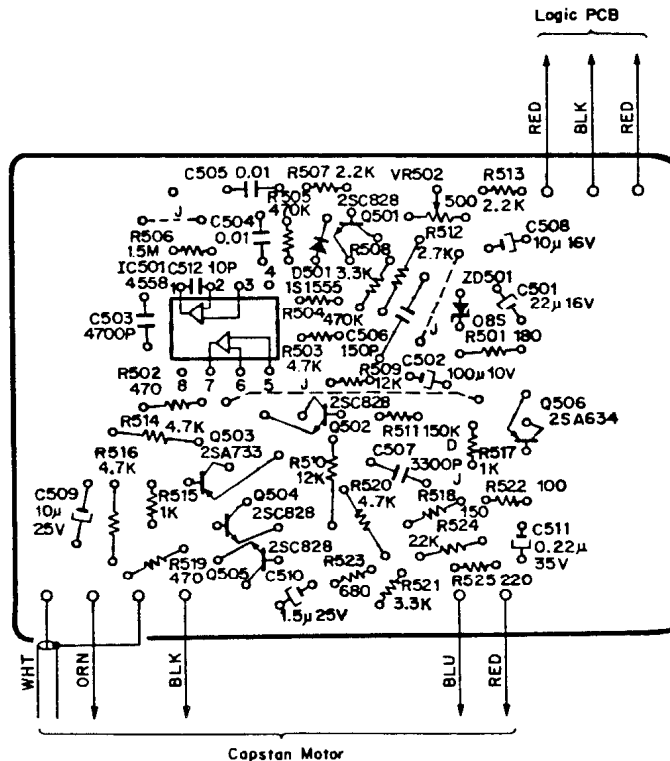


Fig. 1

IV. Schematic Diagram (Capstan Motor Governor P.C.B. Ass'y):

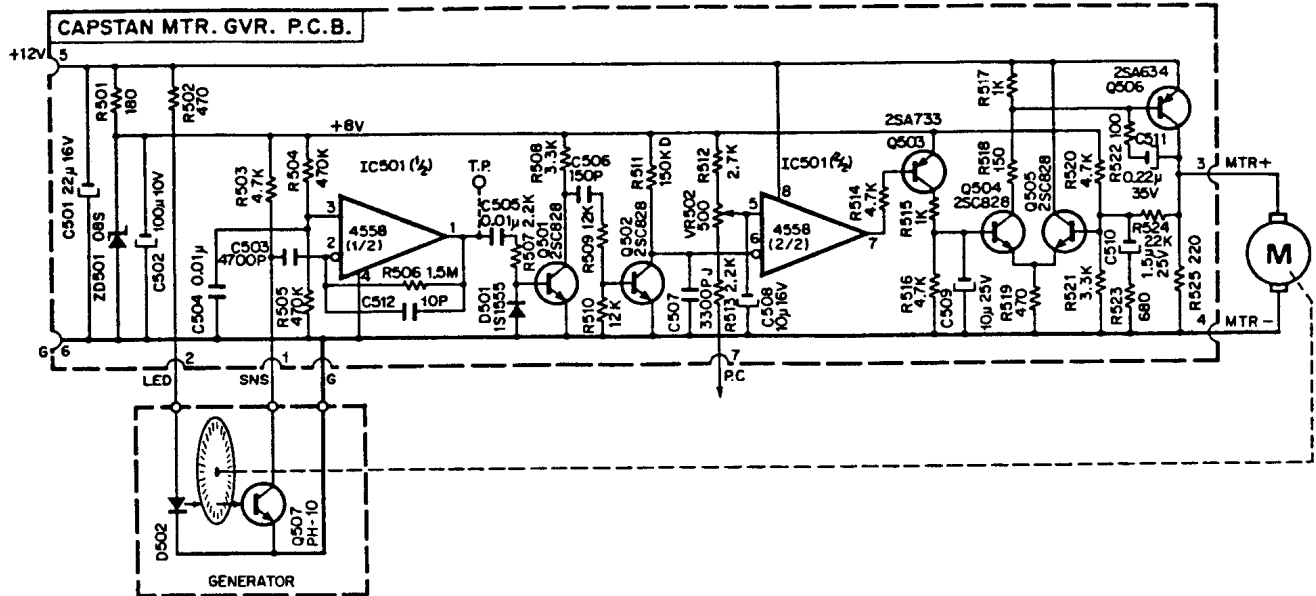


Fig. 2