

# Service Manual

Belt Drive Fully Automatic Turntable System

## SL-J1

**Supplement-1**

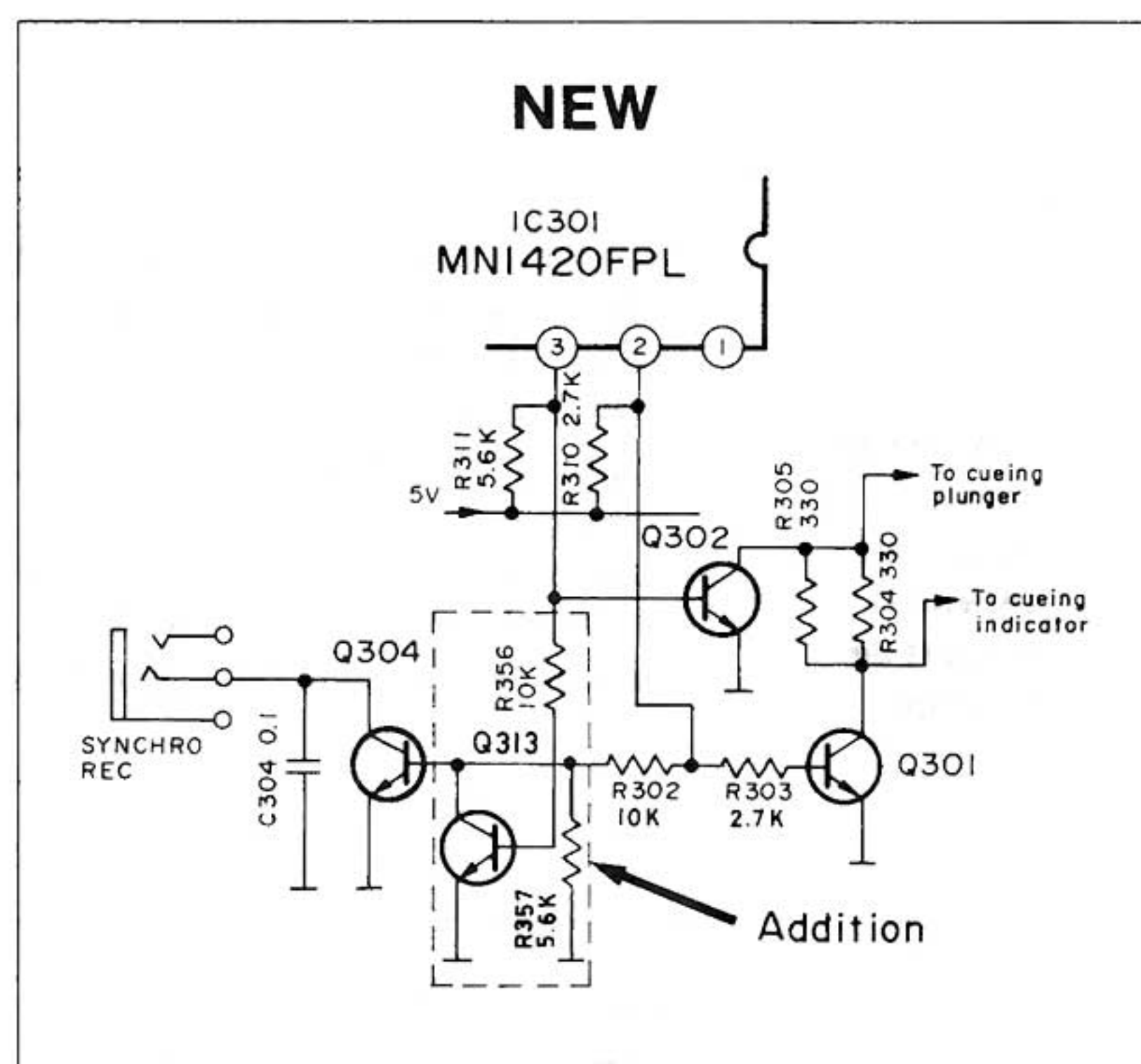
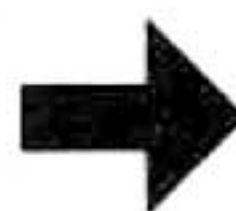
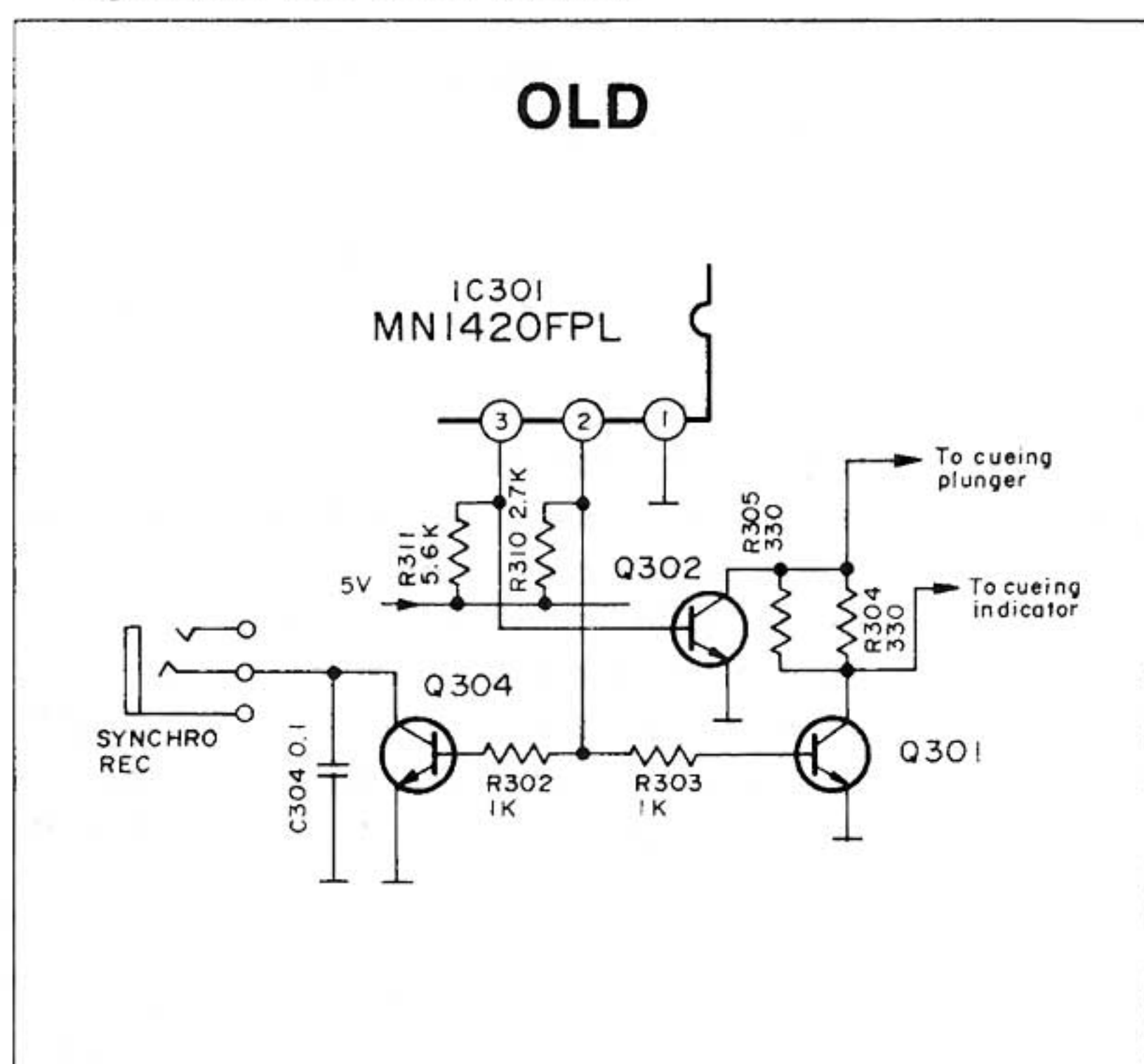
Please use this manual together with the service manual for Model No. SL-J1,  
Order No. DAD84060094C0.

- Notes:**
- ★ The circuit of SL-J1 has been changed for the improvement of performance, and correct the adjustment method of servo again and offset voltage.
  - ★ The changes are mentioned in this supplement. Please keep this point in mind when servicing.
  - ★ This supplement should be field with the service manual for Model No SL-J1.  
(Order No. DAD84060094C0)

## CHANGES

### ■ SCHEMATIC DIAGRAM

#### • Synchro-rec drive circuit



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# Technics



# ■ REPLACEMENT PARTS LIST (Change in replacement parts list)

| Ref. No.   | Change of Part No. |                  | Part Name & Description  | Per Set (Pcs.) | Remarks  |
|------------|--------------------|------------------|--------------------------|----------------|----------|
|            | SL-J1 (OLD)        | ➡ SL-J1 (NEW)    |                          |                |          |
| TRANSISTOR |                    |                  |                          |                |          |
| Q313       | .....              | 2SC828 or 2SD636 | Synchro-rec Drive        | 1              | Addition |
| RESISTORS  |                    |                  |                          |                |          |
| R302       | ERDS2TJ102         | ERDS2TJ103       | Carbon, 1/4W, 10 kΩ, ±5% | 1              | Change   |

| Ref. No.  | Change of Part No. |               | Part Name & Description   | Per Set (Pcs.) | Remarks  |
|-----------|--------------------|---------------|---------------------------|----------------|----------|
|           | SL-J1 (OLD)        | ➡ SL-J1 (NEW) |                           |                |          |
| RESISTORS |                    |               |                           |                |          |
| R303      | ERDS2TJ102         | ERDS2TJ272    | Carbon, 1/4W, 2.7 kΩ, ±5% | 1              | Change   |
| R356      | .....              | ERDS2TJ103    | Carbon, 1/4W, 10 kΩ, ±5%  | 1              | Addition |
| R357      | .....              | ERDS2TJ562    | Carbon, 1/4W, 5.6 kΩ, ±5% | 1              | Addition |

## ■ ADJUSTMENT

Change of part

• English

|                                      |                                                                   |                                        |                                                                                                                    |
|--------------------------------------|-------------------------------------------------------------------|----------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Servo gain and offset voltage</b> | 1. Remove the dust cover.<br>(Refer to "DISASSEMBLY INSTRUCTION") | VR501<br>(Servo gain)                  | 1. Turn the power switch on.                                                                                       |
|                                      | 2. Open the upper cabinet and hold the cabinet switch with tape.  |                                        | 2. Keep the F skip switch depressed to move the tonearm.                                                           |
|                                      | 3. Connect the DC voltmeter to CN301 5-pin (+) and 2-pin (-).     | Screw<br>(Offset voltage)<br>(Fig. 20) | 3. Open the upper cabinet.                                                                                         |
|                                      | 4. Remove the sensor cover.                                       |                                        | 4. Completely shift the tonearm to the left. Then, adjust VR501 so that the voltage is <b>6V</b> .<br>(Servo gain) |
|                                      |                                                                   |                                        | 5. Set the tonearm to the center and make sure that the output voltage is <b>3V</b> .                              |
|                                      |                                                                   |                                        | 6. If the voltage is not <b>3V</b> , adjust screw so that the output voltage is <b>3V</b> .<br>(Offset voltage)    |

• Deutsch

|                                              |                                                                                                           |                                            |                                                                                                                                                   |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Servo-Verstärkung und Offset-Spannung</b> | 1. Die Staubabdeckung entfernen.<br>(Siehe "ANLEITUNG FÜR DIE DEMONTAGE".)                                | VR501<br>(Servo-Verstärkung)               | 1. Den Ein/Aus-Schalter einschalten.                                                                                                              |
|                                              | 2. Das Gehäuseoberteil öffnen und den Gehäuseschalter mit Klebband in der gedrückten Stellung arretieren. |                                            | 2. Den F-Überspring-Schalter gedrückt halten, um den Tonarm zu bewegen.                                                                           |
|                                              | 3. Das Gleichstrom-Voltmeter an CN301, Stift 5 (+) und Stift 2 (-) anschließen.                           | Schraube<br>(Offset-Spannung)<br>(Abb. 20) | 3. Das Gehäuseoberteil öffnen.                                                                                                                    |
|                                              | 4. Die Sensorabdeckung entfernen.                                                                         |                                            | 4. Den Tonarm ganz nach links bewegen. Dann VR501 so justieren, daß die Spannung <b>6V</b> beträgt.<br>(Servo-Verstärkung)                        |
|                                              |                                                                                                           |                                            | 5. Den Tonarm zur Mitte hin stellen und überprüfen, daß, die Ausgangsspannung <b>3V</b> beträgt.                                                  |
|                                              |                                                                                                           |                                            | 6. Falls die Spannung nicht <b>3V</b> beträgt, ist die Schraube so zu justieren, daß die Ausgangsspannung <b>3V</b> beträgt.<br>(Offset-Spannung) |

• Français

|                                                                    |                                                                                                   |                                           |                                                                                                                                                                      |
|--------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Amplification servo-mécanique et tension d'écart de réglage</b> | 1. Retirer le couvercle protège-poussière.<br>(Se référer aux "INSTRUCTIONS POUR LE DÉMONTAGE".)  | VR501<br>(Amplification servo-mécanique)  | 1. Mettre en circuit l'interrupteur d'alimentation.                                                                                                                  |
|                                                                    | 2. Ouvrir le boîtier supérieur et maintenir appuyée la touche du boîtier avec une bande adhésive. |                                           | 2. Maintenir enfoncé le commutateur de saut F pour déplacer le bras de lecture.                                                                                      |
|                                                                    | 3. Raccorder le voltmètre à C.C. à la broche 5 (+) et à la broche 2 (-) de CN301.                 | Vis<br>(Tension de décalage)<br>(Fig. 20) | 3. Ouvrir le boîtier supérieur.                                                                                                                                      |
|                                                                    | 4. Retirer le couvercle du dispositif détecteur.                                                  |                                           | 4. Déplacer complètement le bras de lecture vers la gauche. Puis, ajuster VR501 de telle sorte que la tension soit de <b>6V</b> .<br>(Amplification servo-mécanique) |
|                                                                    |                                                                                                   |                                           | 5. Régler le bras de lecture au centre et s'assurer que la tension de sortie soit de <b>3V</b> .                                                                     |
|                                                                    |                                                                                                   |                                           | 6. Si la tension n'est pas de <b>3V</b> , ajuster la vis de telle sorte que la tension de sortie soit de <b>3V</b> .<br>(Tension de décalage)                        |

• Español

|                                                           |                                                                                |                                             |                                                                                                                                                       |
|-----------------------------------------------------------|--------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Ganancia del servo-mecanismo y tensión de desnivel</b> | 1. Remover la tapa contra el polvo.<br>(Referir a "INSTRUCCION DE DESMONTAJE") | VR501<br>(Ganancia del servo-mecanismo)     | 1. Encender el interruptor de la corriente.                                                                                                           |
|                                                           | 2. Abrir el gabinete superior y sujetar el interruptor del mismo con cinta.    |                                             | 2. Mantener el interruptor de salto F oprimido para mover el brazo sonoro.                                                                            |
|                                                           | 3. Conectar el voltímetro de CC a 5 pernos (+) y 2 pernos (-) de CN301.        | Tornillo (Tensión de desnivel)<br>(Fig. 20) | 3. Abrir el gabinete superior.                                                                                                                        |
|                                                           | 4. Remover la cubierta de sensor.                                              |                                             | 4. Mover completamente el brazo sonoro a la izquierda. Luego, regular VR501 de manera que la tensión sea <b>6V</b> .<br>(Ganancia del servomecanismo) |
|                                                           |                                                                                |                                             | 5. Colocar el brazo sonoro en el centro y asegurarse de que la tensión de salida sea de <b>3V</b> .                                                   |
|                                                           |                                                                                |                                             | 6. Si la tensión no es <b>3V</b> , regular el tornillo de manera que la tensión de salida sea <b>3V</b> .<br>(Tensión de desnivel)                    |