JAPAX

Technical News for After-Sales Servicing

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項 目 Item: REPLACEMENT PROCEDURE OF ER01530

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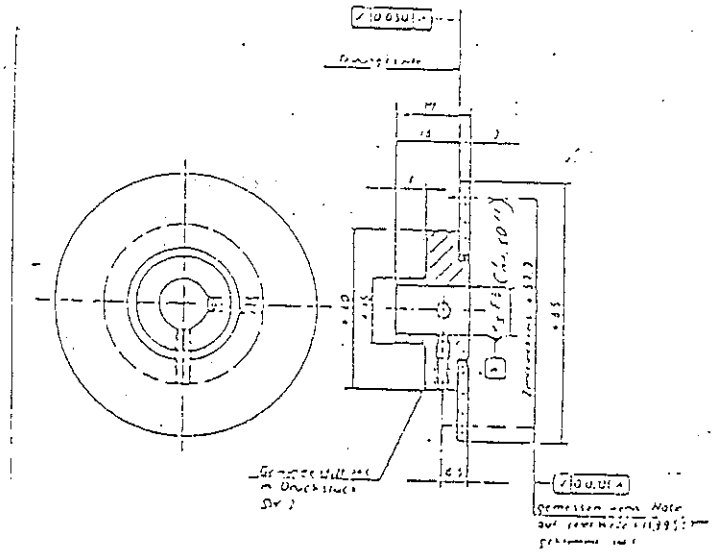
目 的 Purpose: Instructions for the following encoders:-
25MO-ENC-080, 25MO-ENC-085, 25MO-ENC-080R & 25MO-ENC-085R

内容詳細 Details of Contents

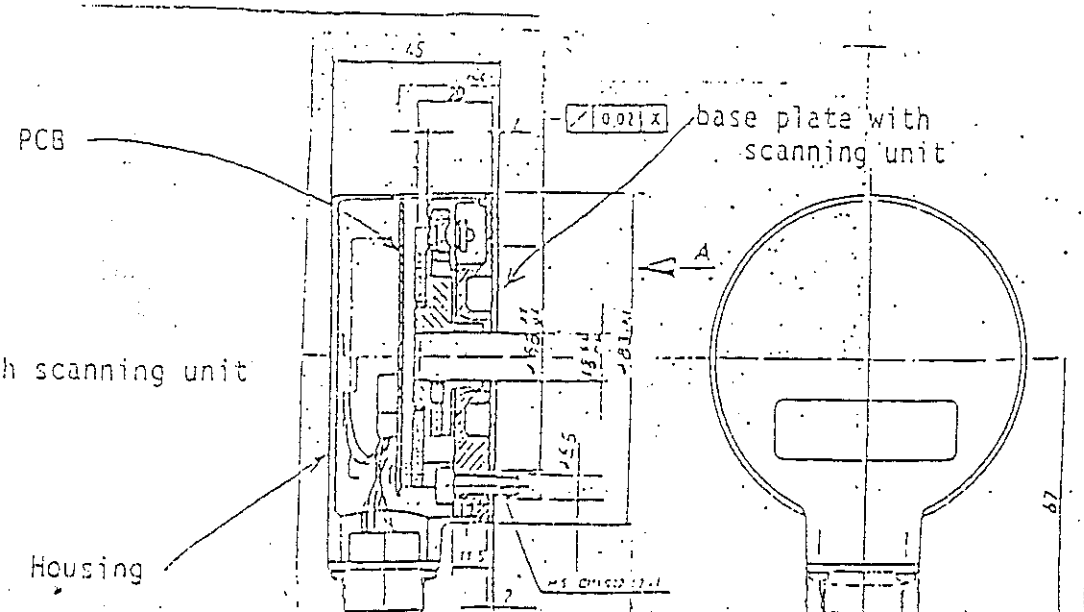
製品番号 No. SER. NO.

取説改訂 Manual Rev. YES. NO.

The following two items are provided as a set, and the serial no. of each items should be matched because they were factory-adjusted.
Replacement of encoder can be made without dismounting DC Servo Motor from the machine. Please replace only encoder along with following procedure.



Scaled Disk Unit



REPLACEMENT PROCEDURE FOR ERO 1530

1- REMOVE ENCODE COVER BY UNSCREWING (4) PHILLIPS HEAD SCREWS AROUND OUTSIDE OF COVER... TIP COVER TO SIDE TO EXPOSE P.C.B AND INTERNAL CONNECTOR.

2. GENTLY UNPLUG GREEN CONNECTOR FROM P.C.B.-

3. REMOVE (3) PHILLIPS HEAD SCREWS MOUNTING P.C.B. TO METAL STANDOFFS ON ADAPTER PLATE. TILT PCB AWAY AND LET HANG DOWN BEHIND MOTOR. MAKE SURE BLUE INSULATION OVER WIRES IS SEATED IN CUTOUT OF P.C.B TO PREVENT EXCESSIVE STRAIN ON WIRE END CUPS

4. REMOVE ENCODER DISK FROM MOTOR END SHAFT BY LOOSENING (2) SET SCREWS IN LARGE DIAMETER OF METAL MOUNTING FLANGE. SLIP ENCODER OFF SHAFT.
NOTE!! BEFORE REMOVAL OF DISK CHECK SPACING BETWEEN GLASS DISK AND LIGHT SOURCE IN ADAPTER PLATE. SHOULD BE APPROX .008" TO .012".

STORE OLD DISK IN FORM LILED CARDBOARD BOX.

5. REMOVE ADAPTER PLATE FROM END HOUSING OF MOTOR. REMOUNT THE P.C.B ONTO THE (3) STANDOFFS ON THE ADAPTER BASE PLATE AND SET ASIDE.

6. MOUNT NEW ADAPTER BASE PLATE TO MOTOR WITH (2) 4MM FIXING SCREWS.

7. INSERT SCHED DISK ONTO MOTOR SHAFT AND ADJUST SO THAT THE DISTANCE BETWEEN THE LIGHT SOURCE AND DISK IS $0.010 \pm .002$. SECURE DISK MOUNTING FLANGE TO SHAFT WITH TWO (2) SET SCREWS.

NOTE: USE PAPER OR PLASTIC SHIM STOCK TO SET SPACING, RECHECK WITH .008" & .012" THICK SHIM STOCK.

8. REMOUNT NEW P.C.B. TO (3) STAND-OFFS

9. REPLACE CONNECTOR (GREEN) TO P.C.B. MAKE SURE WIRES FROM P.C.B FIT INTO SLOT OF P.C.B

1) Separate the base plate with scanning unit and the housing, and tighten base plate with two fixing screw (4M). (Fig. 1)

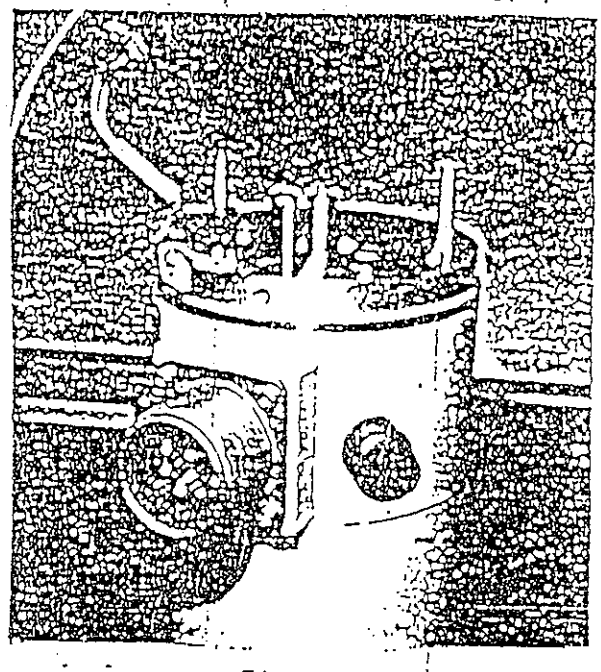
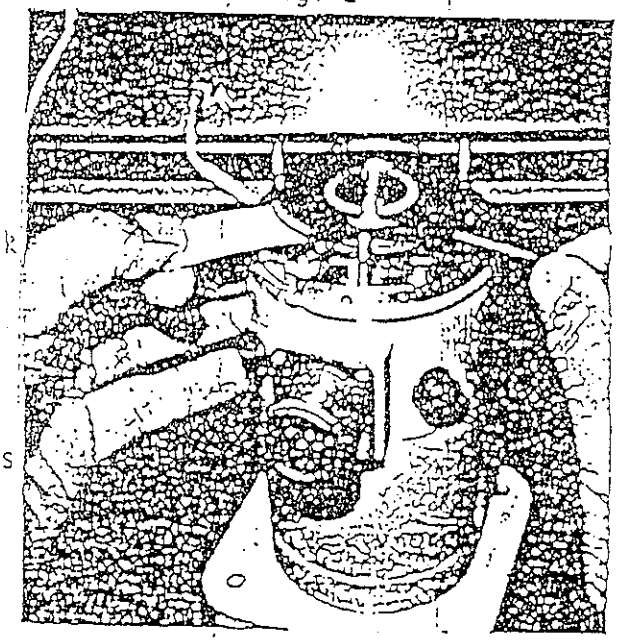


Fig. 2

2) Insert the scaled disk into motor shaft and adjust so that the distance between scanning plate and scaled disk become 0.25 ± 0.05, and fix it with two sets screws (2M). (Fig. 2)

(NOTE) Please prepare 0.20, 0.35 and 0.03 thick paper and use it for the adjustment.



3) Mount the printed circuit board to match the position of light receiver component and scanning plate, and fix it with 3 pieces of fixing screws. Please note that these 3 screws must be tightened evenly and the PCB must be carefully fixed to be free from eccentricity. (Fig 3, 4)

4) Connect 2 lamp wires into stad pin. And the wire must be set at the provided slit of PCB. (Fig 3, 4)

Fig. 3

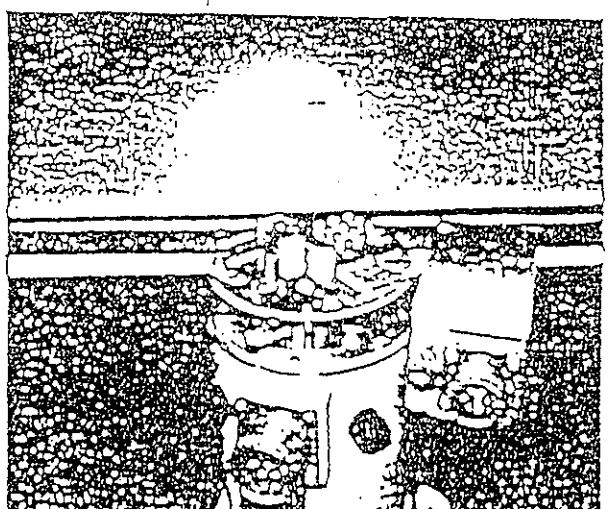
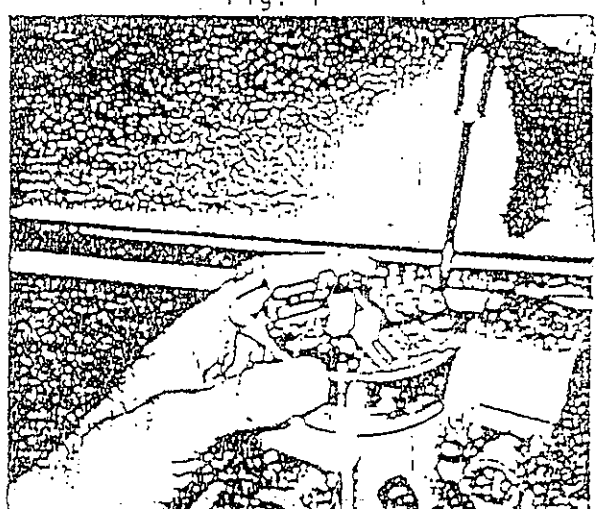
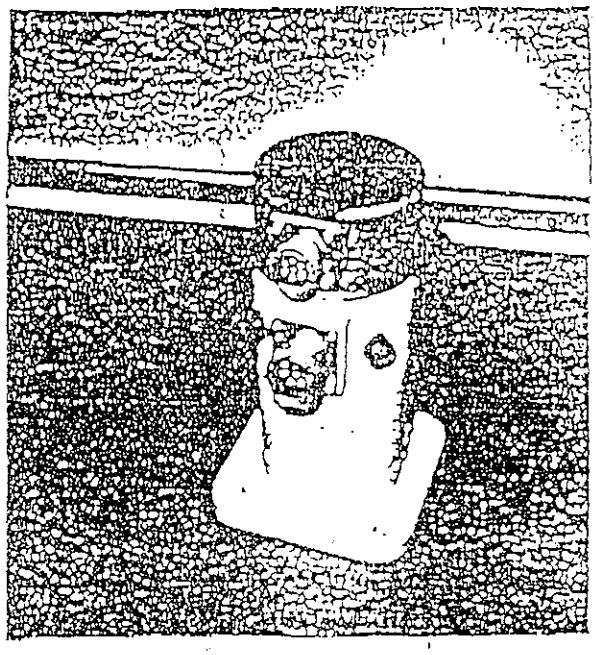


Fig. 4



5) Mount encoder housing with 4 screws. Please be careful not to pinch lamp wire between PCB and encoder wire.

(NOTE) The encoder connector and motor connector must be set at same side. (Fig. 5)



Note - Use NON - Magnetic Tools or put TAPE around Allen Wrench