

Classification: A1

Billable to Telco: Yes ___ No X

APPARATUS AFFECTED: DATASPEED 40 Logic Cabinets 40CAB201/AB and 40CAB251/AB.
DATASPEED 40 Pedestals 40CAB901/AA, 40CAB901/AB, 40CAB901/AF and 40CAB901/AG.
TP401040 Ventilation Assembly.

PART AFFECTED: TP401038 Fan Panel
TP401045 Motor Pinion
TP401046 Fan Assembly

REASON: To reduce wear of the sprocket teeth on the fan w/pulleys and the motor pinion.

CHANGE: The TP401040 ventilation assembly is changed as follows:

(1A) The TP401038 fan panel is redesigned by elongating three of the four fan assembly mounting slots by approximately 1/8-inch. See Attachment Sheet 1 for illustration of this change.

(1B) The material of the TP401045 motor pinion is changed from A.B.S. plastic (black) to nylon (white or natural).

(1C) The material of the fan w/pulleys (part of the TP401046 fan assembly) is changed from A.B.S. plastic (black) to nylon (white or natural). Four TP401046 fan assemblies are used on the TP401040 ventilation assembly.

See Attachment Sheet 2 for illustration of the parts involved in this change and the method of assembly.

The applicable ventilation assembly adjustments are shown on Attachment Sheets 3 and 4. (The belt adjustments are new.)

The lubrication requirement for the ventilation assembly is shown on Attachment Sheet 5.

PUBLICATION AFFECTED: The following Field Installation and Maintenance Practices:

Section 575-100-350, Issue 1, Page 165
(Revised December, 1973).
Section 579-505-350, (April, 1975),
Page 254.
Section 579-505-353, (January, 1975),
Page 148.

IDENTIFICATION: The old-style TP401045 motor pinion and the old-style TP401046 fan assembly are black plastic.

The new-style TP401045 motor pinion and the new-style TP401046 fan assembly are white or natural color nylon.

The old-style TP401038 fan panel has three 3/8-inch long fan assembly mounting slots. The new-style TP401038 fan panel has three 1/2 inch long fan assembly mounting slots. See Attachment Sheet 1.

TELETYPEWRITER CHANGE NOTICE
TCN 2085 Issue 1 June, 1975

INTERCHANGEABILITY: The new-style TP401045 motor pinion and the four new-style TP401046 fan assemblies are interchangeable with the old-style TP401045 motor pinion and the four old-style TP401046 fan assemblies as a complete set; however, if replacing the old-style parts with the new-style parts, it is recommended that the three TP401048 fan belts and the TP401049 motor belt also be replaced. The TP402270 set of parts contains all of the replacement parts needed to overhaul the ventilation assembly; however, to assure adequate adjustment, it is recommended that the mounting slots in the TP401038 fan panel be elongated as indicated on Attachment Sheet 1. See SUPPLEMENTAL INFORMATION.

PARTS AVAILABILITY: The TP402270 set of parts is available.

SUPPLEMENTAL INFORMATION: The TP402270 Set of parts (to overhaul the ventilation assembly) contains the following parts:

- (1) TP401045 motor pinion (new-style)
- (4) TP401046 fan assembly (new-style)
- (4) TP152634 flat washer
- (4) TP92260 lockwasher
- (4) TP3598 nut
- (3) TP401048 fan belt
- (1) TP401049 motor belt
- (1) TP107256 setscrew

REFERENCES: None

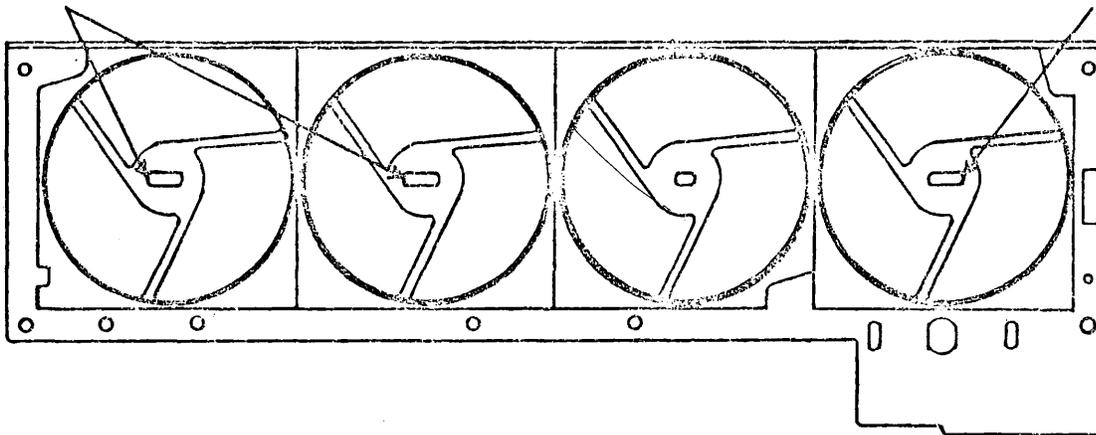
TCN INDEX CLASSIFICATION: 40ED 00

Attached Sheets 1, 2, 3, 4 and 5

NEW-STYLE TP401038 FAN PANEL

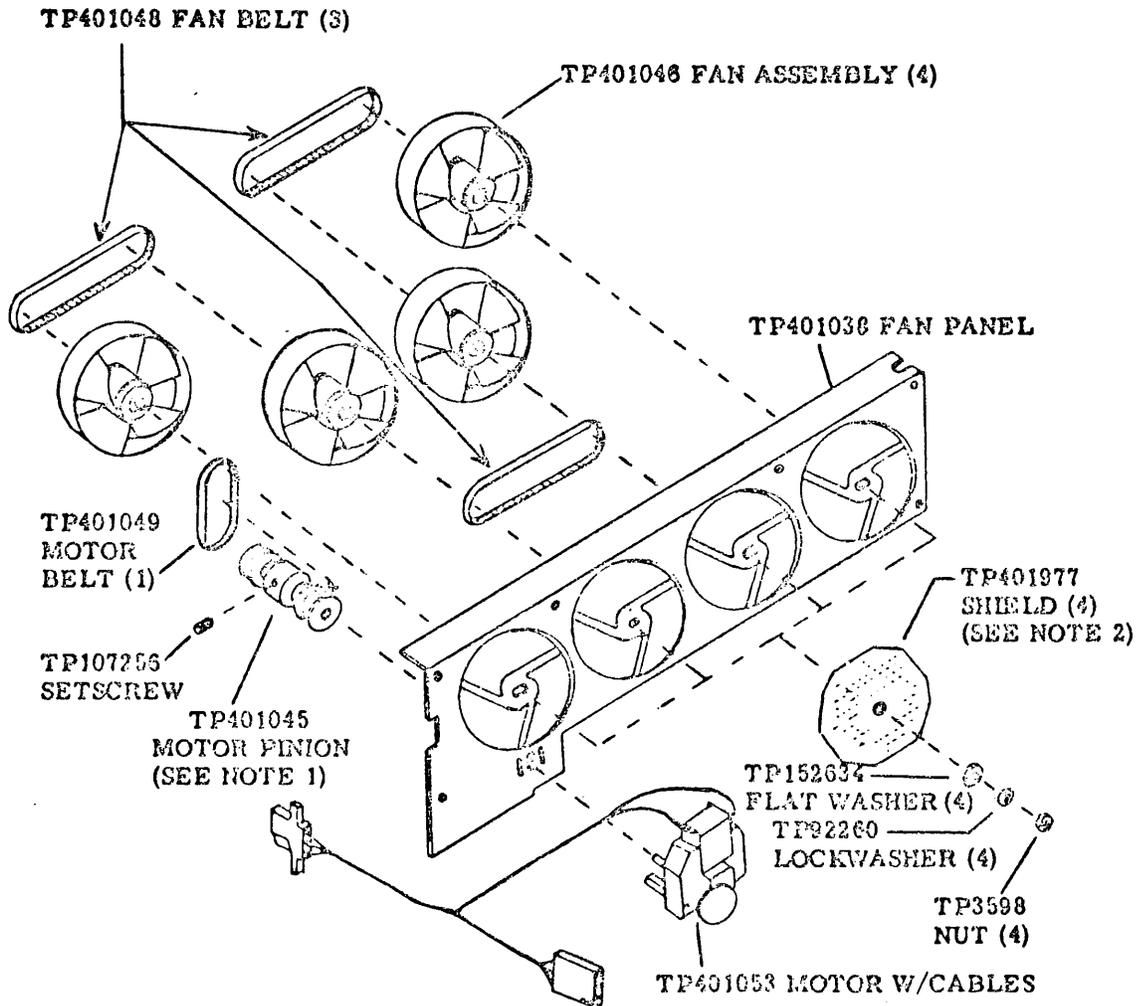
**THESE TWO MOUNTING SLOTS
ELONGATED APPROX. 1/8-INCH
AT THIS END OF SLOT.**

**THIS MOUNTING SLOT
ELONGATED APPROX. 1/8-INCH
AT THIS END OF SLOT.**



**NOTE: BEFORE ASSEMBLING THE NEW-STYLE TP401048
FAN ASSEMBLIES TO AN OLD-STYLE TP401038 FAN
PANEL (ON WHICH THE THREE MOUNTING SLOTS ARE
3/8-INCH LONG), THE THREE MOUNTING SLOTS SHOULD
BE ELONGATED APPROXIMATELY 1/8-INCH AT THE END
OF THE SLOT INDICATED ABOVE.**

PART OF TP401010 VENTILATION ASSEMBLY



NOTE 1 - THE SMALLER DIAMETER PULLEY ON THE TP401045 MOTOR PINION IS FOR 60 HERTZ OPERATION AND THE LARGER DIAMETER PULLEY IS FOR 50 HERTZ OPERATION. PULLEY FOR DESIRED OPERATION SHOULD BE ATTACHED NEAREST TO FAN MOTOR.

NOTE 2 - TP401977 SHIELDS ARE ASSEMBLED WITH CONCAVE SIDE TO FAN PANEL.

BELT ADJUSTMENTS

NOTE: Circled numbers on illustration show sequence of belt adjustments.

REQUIREMENT FOR TP401048 FAN BELTS (THREE)

Distance from inside of belt (between teeth) to outside of belt should be
Min 1-1/4 inches ---- Max 1-3/8 inches

when belt is deflected midway between fans to just take up play using a small steel rule. Caution must be exercised not to force belts enough to bend fans toward each other on their mounting posts.

TO ADJUST

Fan assembly mounting nut friction tight. Position fan assembly in its slot to right or left to meet requirement. Tighten nut.

NOTE: Lift edges of shield to allow lateral movement when positioning fan assemblies.

REQUIREMENT FOR TP401049 MOTOR BELT

Distance from inside of belt (between teeth) to outside of belt should be
Min 11/16-inch --- Max 13/16-inch (60 HZ operation)
Min 3/4-inch --- Max 7/8-inch (50 HZ operation)

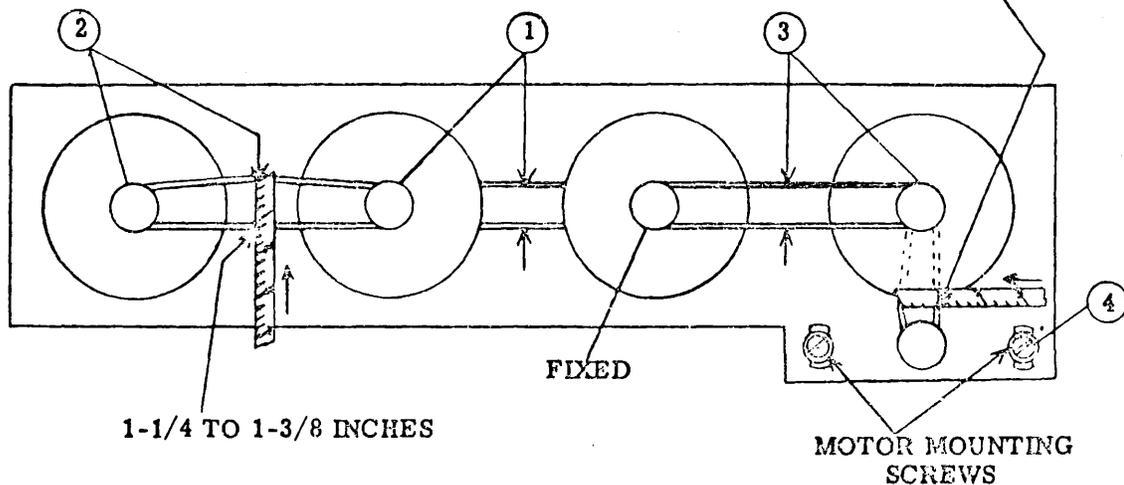
when a small steel rule is held flat against lower periphery of fan and belt is deflected by the rule to take up play. Caution must be exercised not to force belt more than is required to snugly take up play.

TO ADJUST

Motor mounting screws friction tight. Position motor up or down in its slots to meet requirement. Tighten screws.

NOTE: CIRCLED NUMBERS ON ILLUSTRATION SHOW SEQUENCE OF BELT ADJUSTMENTS.

11/16 to 13/16-INCHES (60 HZ)
3/4 to 7/8-INCHES (50 HZ)



MOTOR PINION ADJUSTMENT

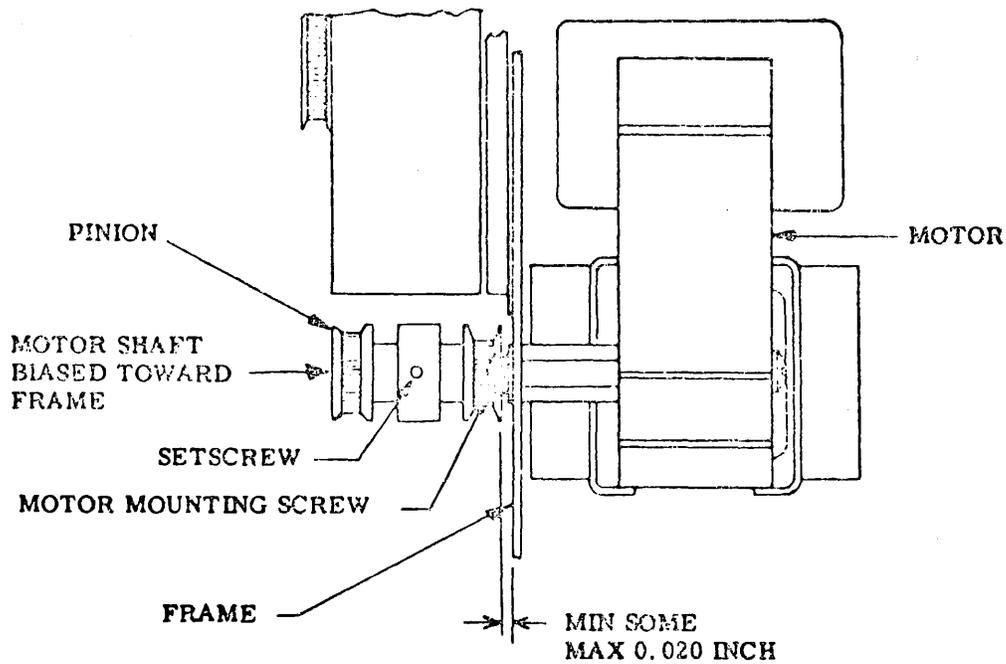
NOTE: MOTOR MOUNTING SCREWS SHOULD BE TIGHT BEFORE MAKING ADJUSTMENT.

REQUIREMENT

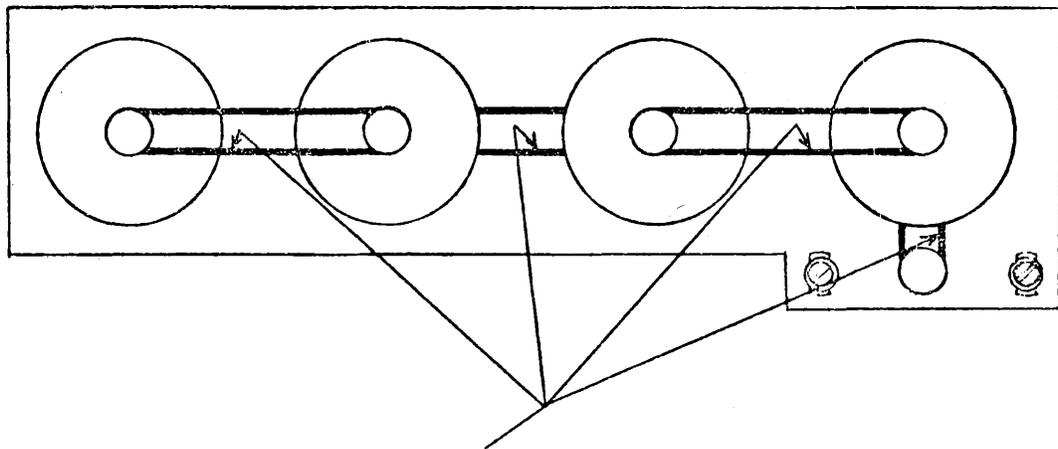
MIN SOME ---- MAX 0.020 INCH
BETWEEN PINION FLANGE AND FRAME
WHEN PINION END OF MOTOR SHAFT IS
BIASED TOWARD FRAME.

TO ADJUST

LOOSEN PINION SETSCREW. POSITION PINION TOWARD OR AWAY FROM FRAME TO MEET REQUIREMENT. TIGHTEN SETSCREW. CHECK FOR BINDS BETWEEN PINION FLANGE AND FRAME.



LUBRICATION REQUIREMENT FOR VENTILATION ASSEMBLY



APPLY A THIN FILM OF KS-7471 GREASE TO THE TEETH OF THE TP401048 FAN BELTS AND TP401049 MOTOR BELT, USING A BRUSH. MANUALLY ROTATE FAN WHILE APPLYING GREASE. AFTER VENTILATION ASSEMBLY HAS BEEN RUN BRIEFLY, EXCESS GREASE SHOULD BE REMOVED FROM FANS.