

EQUIPMENT TEST LIST
RECORDING EQUIPMENT
MISCELLANEOUS APPARATUS

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1. GENERAL			1.05 Section 010-300-011 provides Equipment Test List instructions.
1.01	This section provides an index and information access system to locate the standard tests		

NOTICE

Not for use or disclosure outside the
Bell System except under written agreement

SECTION 034-001-011

18.0 RECORDING EQPT

18.1 RECORDING EQPT; PERFORATORS

SELECT ONLY ONE CATEGORY

D-175914 & D-176283 AMA

034-300-701	(3/0)	2.01	CLEANING	MW *	-----
		2.02	LUBRICATION	MW *	-----

KS-13882 AMA

034-306-701	(5/1)	2.01	CLEANING	MW *	-----
		2.02	LUBRICATION	MW *	-----

KS-13834 TROUBLE RECORDER

034-305-701	(8/1)	2.01	CLEANING	MW *	-----
		2.02	ECCENTRIC SHAFTS WITHOUT LUBRICATOR PADS LUBRICATION (FIG. 6)	MW 1M	-----
		2.02	LUBRICATION-PARTS MARKED WITH AN ASTERISK (*) (TABLE A)	MW 12M	-----
		2.02	LUBRICATION-PARTS NOT MARKED WITH AN ASTERISK (*) (TABLE A)	MW 3M	-----

TROUBLE TESTS

034-300-701	(3/0)	2.04	RETAINING PAWL POSITION	TT	-----
		2.05	RETAINING PAWL TENSION	TT	-----
		2.06	ARMATURE BACKSTOP POSITION	TT	-----
		2.07	OPERATED ARMATURE AIR GAP	TT	-----
		2.08	DRIVING SPRING TENSION	TT	-----
		2.09	DRIVING PAWL TENSION	TT	-----
		2.10	DRIVING PAWL POSITION	TT	-----
		2.11	CLEARANCE BETWEEN DRIVING ARM STUD AND OUTSIDE INTERRUPTER SPRING	TT	-----
		2.12	OUTSIDE INTERRUPTER SPRING TENSION	TT	-----
		2.13	ELECTRICAL REQUIREMENTS	TT	-----

TAPE GUIDES AND SPRINGS

034-300-701	(3/0)	2.14	POSITIONING SPRING TENSION	TT	-----
		2.15	CLEARANCE BETWEEN GUIDE SPRINGS & TAPE CHUTE	TT	-----
		2.16	PRESSURE PLATE TENSION	TT	-----

SPLICE CONTACT ASSEMBLY

034-300-701	(3/0)	2.17	FREEDOM OF MOVEMENT OF SPLICE CONTACT ROCKER ARM	TT	-----
		2.18	SPLICE CONTACT OPERATION	TT	-----

CUTTER MECHANISM (D-175914 PERFORATOR ONLY)

034-300-701	(3/0)	2.19	CUTTER ASSEMBLY MOUNTING	TT	-----
		2.20	FREEDOM OF ROTARY KNIFE MOVEMENT	TT	-----
		2.21	RETRACTILE SPRING TENSION	TT	-----
		2.22	CLEARANCE BETWEEN DRUM AND EXIT TAPE CHUTE	TT	-----

PERFORATING UNITS

	034-300-701	(3/0)	2.23	MOUNTING	TT	-----
			2.24	PIN, GUIDE, AND DRUM HOLE ALIGNMENT	TT	-----
			2.25	PIN CLEARANCE	TT	-----
			2.26	RETRACTILE SPRING POSITION	TT	-----
			2.27	CLAMP POSITION	TT	-----
			2.28	PIN SPRING TIGHTNESS	TT	-----
			2.29	OPERATED ARMATURE GAP	TT	-----
			2.30	ARMATURE BACKSTOP SCREW POSITION	TT	-----
			2.31	ELECTRICAL REQUIREMENTS	TT	-----
	DRUM ADVANCE MECHANISM (D-176283 PERFORATOR ONLY)					
	034-300-701	(3/0)	2.32	CLEARANCE BETWEEN FINGER AND DRUM SURFACE	TT	-----
			2.33	ALIGNMENT OF FINGER WITH DRUM HOLES	TT	-----
			2.34	ARMATURE BACKSTOP GAP	TT	-----
			2.35	CONTACT MAKE	TT	-----
			2.36	TENSION OF MOVING CONTACT SPRINGS	TT	-----
			2.37	ELECTRICAL REQUIREMENTS	TT	-----
	OVERALL PERFORATOR OPERATION					
	034-300-701	(3/0)	2.38	OPERATION TEST	TT	-----
>	034-305-701	(8/1)	2.04	ENGAGEMENT OF CARD FEED COUPLING	TT	-----
>			2.05	CHAIN TENSION	TT	-----
>			2.06	MOTOR AND PULLEY ASSEMBLY POSITION	TT	-----
>			2.07	PHASING	TT	-----
>			2.08	ECCENTRIC SHAFT SPEED	TT	-----
	CAM SWITCH					
>	034-305-701	(8/1)	2.09	POSITION OF MAINSPRING SHOE ON CAM	TT	-----
>			2.10	MAINSRING SHOE PRESSURE	TT	-----
>			2.11	FEATHER SPRING STUD PRESSURE	TT	-----
>			2.12	FEATHER SPRING ALIGNMENT	TT	-----
>			2.13	CONTACT ALIGNMENT	TT	-----
>			2.14	MAKE AND BREAK OF CAM SWITCH CONTACTS	TT	-----
	CLUTCH DRIVE					
>	034-305-701	(8/1)	2.15	POSITION OF POINTER	TT	-----
>			2.16	CLEARANCE BETWEEN CENTERING PLUNGERS AND CENTERING ARM	TT	-----
>			2.17	PRESSURE OF CENTERING PLUNGERS	TT	-----
>			2.18	SEPARATION BETWEEN INTERMITTENT CLUTCH MEMBERS	TT	-----
>			2.19	PRESSURE OF ANTIOVERTHROW PAWL	TT	-----
>			2.20	FREEDOM OF ANTIOVERTHROW PAWL	TT	-----
>			2.21	POSITION OF COCKING STOP	TT	-----
>			2.22	POSITION OF CHECKING STOP	TT	-----
>			2.23	CLEARANCE BETWEEN MOVABLE CARD AND CARD OPERATING STUD	TT	-----

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>	034-305-701 (8/1)	2.24 CONTACT ALIGNMENT	TT	-----
>		2.25 SPRING TANG POSITION	TT	-----
>		2.26 CARD STOP POSITION	TT	-----
>		2.27 CLEARANCE BETWEEN MOVING SPRINGS AND CARD	TT	-----
>		2.28 SPRING TENSION	TT	-----
>		2.29 SEPARATION BETWEEN SPRINGS	TT	-----
>		2.30 SPRING GAUGING	TT	-----
>		2.31 ELECTRICAL REQUIREMENTS	TT	-----

LATCH

>	034-305-701 (8/1)	(2.31.1) BRAKE CAM POSITION	TT	-----
>		2.32 PRESSURE OF FORWARD STOP ROLLER	TT	-----
>		2.33 ARMATURE RETAINING SPRING TENSION	TT	-----
>		2.34 ARMATURE BASE GAP	TT	-----
>		2.35 CLEARANCE BETWEEN ARMATURE & BACKSTOP SCREW	TT	-----
>		2.36 PAWL SPRING TENSION	TT	-----
>		2.37 CONTACT ALIGNMENT	TT	-----
>		2.38 SPRING TANG POSITION	TT	-----
>		2.39 CARD STOP POSITION	TT	-----
>		2.40 CLEARANCE BETWEEN MOVING SPRINGS AND CARD	TT	-----
>		2.41 SPRING TENSION	TT	-----
>		2.42 SEPARATION BETWEEN SPRINGS	TT	-----
>		2.43 SPRING GAUGING	TT	-----
>		2.44 ELECTRICAL REQUIREMENTS	TT	-----

PUNCH AND CARD FEED

>	034-305-701 (8/1)	2.45 GATE GAP	TT	-----
>		2.46 THROAT FREEDOM	TT	-----
>		2.47 THROAT SPRING POSITION	TT	-----
>		2.48 THROAT SPRING TENSION	TT	-----
>		2.49 CARD HOOK SHOE PRESSURE	TT	-----
>		2.50 FREEDOM OF MOVEMENT OF CARD HOOK SHOE	TT	-----
>		2.51 CARD FEED FAILURE ALARM CONTACT SPRING POSITION	TT	-----
>		2.52 CARD FEED FAILURE ALARM CONTACT SPRING TENSION	TT	-----

IN-BIN

>	034-305-701 (8/1)	2.53 PLATFORM LATCH	TT	-----
>		2.54 PLATFORM RELEASE	TT	-----
>		2.55 CLOSED POSITION OF DOOR	TT	-----
>		2.56 POSITION OF CARD AND ELEVATOR GUIDE BAR	TT	-----
>		2.57 CARD AND ELEVATOR GUIDE BAR TENSION	TT	-----
>		2.58 ELEVATOR SPRING TENSION	TT	-----
>		2.59 POSITION OF CARD FOLLOWER PAD	TT	-----

>	034-305-701 (8/1)	2.60	FREEDOM OF MOVEMENT OF CARD FOLLOWER PAD	TT	-----
>		2.61	POSITION OF BIN CARD GUIDE BARS	TT	-----
>		2.62	"MICRO SWITCH" OPERATION	TT	-----
	INTERPOSER LATCHES AND SELECTOR MAGNETS				
>	034-305-701 (8/1)	2.63	LATCH SPRING TENSION	TT	-----
>		2.64	LATCH CLEARANCE	TT	-----
>		2.65	LOCKING POSITION OF LATCH	TT	-----
>		2.66	LATCH ENGAGEMENT	TT	-----
>		2.67	ARMATURE AIR GAP	TT	-----
>		2.68	ELECTRICAL REQUIREMENTS	TT	-----
	OPERATION				
>	034-305-701 (8/1)	2.69	CARD FEED AND PERFORATION	TT	-----
	034-306-701 (5/1)	2.04	RETAINING PAWL POSITION	TT	-----
		2.05	RETAINING PAWL TENSION	TT	-----
		2.06	ARMATURE BACKSTOP POSITION	TT	-----
		2.07	ENGAGEMENT OF DRIVING PAWL WITH RATCHET WHEEL TEETH	TT	-----
		2.08	POSITION OF MAGNET	TT	-----
		2.09	DRIVING SPRING TENSION	TT	-----
		2.10	DRIVING PAWL TENSION	TT	-----
		2.11	DRIVING PAWL POSITION	TT	-----
		2.12	CLEARANCE BETWEEN DRIVING ARM STUD AND OUTSIDE INTERRUPTER SPRING	TT	-----
		2.13	OUTSIDE INTERRUPTER SPRING TENSION	TT	-----
		2.14	ELECTRICAL REQUIREMENT	TT	-----
	TAPE GUIDES AND SPRINGS				
	034-306-701 (5/1)	2.15	TAPE POSITIONING SPRING TENSION	TT	-----
		2.16	CLEARANCE BETWEEN GUIDE SPRINGS AND TAPE CHUTE	TT	-----
		2.17	TAPE GUIDE SPRING PRESSURE	TT	-----
	SPLICE CONTACT ASSEMBLY				
	034-306-701 (5/1)	2.18	SPLICE CONTACT OPERATION	TT	-----
	TAPE CUTTER ASSEMBLY (KS-13882 L1 AND L3 PERFORATORS ONLY)				
	034-306-701 (5/1)	2.19	CLEARANCE BETWEEN EXIT TAPE CHUTE AND DRUM	TT	-----
		2.20	FREEDOM OF ROTARY KNIFE MOVEMENT	TT	-----
		2.21	RETRACTILE SPRING TENSION	TT	-----
		2.22	CLEARANCE BETWEEN EXIT TAPE CHUTE AND TAPE GUIDE	TT	-----
		2.23	CLEARANCE BETWEEN ANGLE AND LIP OF EXIT TAPE CHUTE	TT	-----
		2.24	RELATION BETWEEN THE LEADING EDGE OF ROTARY KNIFE AND EXIT TAPE CHUTE	TT	-----
		2.25	CLEARANCE BETWEEN CHROMIUM PLATED ANGLE AND STATIONARY KNIFE	TT	-----

034-306-701	(5/1)	2.26	MOUNTING	TT	-----
		2.27	PIN, GUIDE, AND DRUM HOLE ALIGNMENT	TT	-----
		2.28	RETRACTILE SPRING POSITION	TT	-----
		2.29	OPERATED ARMATURE GAP	TT	-----
		2.30	ARMATURE BACKSTOP SCREW POSITION	TT	-----
		2.31	ELECTRICAL REQUIREMENTS	TT	-----

DRUM ADVANCE CHECKING MECHANISM (KS-13882 L2 PERFORATOR ONLY)

034-306-701	(5/1)	2.32	CLEARANCE BETWEEN FINGER AND DRUM SURFACE	TT	-----
		2.33	ALIGNMENT OF FINGER WITH DRUM HOLES	TT	-----
		2.34	ARMATURE BACKSTOP GAP	TT	-----
		2.35	CONTACT MAKE	TT	-----
		2.36	TENSION OF MOVING CONTACT SPRINGS	TT	-----
		2.37	ELECTRICAL REQUIREMENTS	TT	-----

OVERALL PERFORATOR OPERATION

034-306-501	(1/0)	5.01	(5.01-5.54) TESTING PROCEDURES	TT	-----
034-306-502	(1/0)	5.01	(5.01-5.56) TESTING PROCEDURES	TT	-----
034-306-701	(5/1)	2.38	OPERATION TEST	TT	-----
034-335-301	(1/0)	3	FORMAT & SPEC	TT	-----

PUNCHED CARD READER NCR EM D2

034-339-302	(1/0)	3	OPER TEST	TT	-----
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18.2 RECORDING EQPT; READERS

SELECT ONLY ONE CATEGORY

NCR EM-D2 USED WITH (ADOIT)

034-339-701	(2/1)	2.01	GENERAL CLEANING	MW 1M	-----
		2.01	INTERNAL WORKING MECHANISMS CLEANING	MW *	-----
		2.02	LUBRICATION (TABLEB)	MW *	-----
		2.03	CARD CONTROL LINE	MW *	-----
		2.04	ESCAPEMENT ASSEMBLY	MW *	-----
		2.05	FRICTION CLUTCH TORQUE	MW 3M	-----
		2.06	BELT TENSION AND ALIGNMENT	MW *	-----
		2.09	INPUT CARD HOPPER (EACH 500,000 CAM OPERATIONS)	MW *	-----

D-176284, D-176447, D-176449

034-330-701	(1/0)	2.01	CLEANING	MW *	-----
		2.02	LUBRICATION	MW *	-----

> KS-13835 L1-7 USING SD-95479-01 TST SET

034-335-502	(3/0)	A	OVERALL OPERATION (1000 HOURS)	MW 1M	-----
		B	MAKE CONTACT, BREAK CONTACT (1000 HOURS)	MW 1M	-----
		C	READER SPEED (1000 HOURS)	MW 1M	-----
		D	FALSE MAKE WITH UNPERFORATED TAPE IN READER (1000 HOURS)	MW 1M	-----

034-335-502	(3/0)	E	CONTACT CHATTER (1000 HOURS)	MW 1M	-----
		F	READER STEP MAGNET (1000 HOURS)	MW 1M	-----
034-335-701	(7/1)	2.01	CLEANING (1000 HOURS)	MW 1M	-----
		2.02	(2.02A) STEPPING MECHANISM (1000 HOURS)	MW 1M	-----
		2.02	(2.02C4) INSPECT. & RECALIBRATION (1000 HOURS)	MW 1M	-----
		2.02	(2.02C5) DRAIN & REFILL STEPPING MECHANISM	MW 6M	-----
		2.02	CHANGE GEAR CASE GREASE	MW 12M	-----
		2.13	(2.13F) CAM ROLLER BEARINGS	MW *	-----
KS-13835 L7 USING 151A TEST SET					
034-335-503	(1/1)	A	CONT POS AND EXCESS CHATTER TST (OR 1000 HRS, WHICHEVER OCCURS FIRST)	MW 12M	-----
		B	INTERPOSER TEST (OR 1000 HRS, WHICHEVER OCCURS FIRST)	MW 12M	-----
		C	2 OUT OF 5 TEST (OR 1000 HRS, WHICHEVER OCCURS FIRST)	MW 12M	-----
KS-16789					
034-338-701	(1/0)	2.01	(2.01A) CLEANING FILM HOLDER	MW D	-----
		2.01	(2.01B) CLEANING MIRRORS VIEWING SCREEN REFLECTOR PROJECTION & CONDENSING LENS	MW 1M	-----
		2.01	(2.01C) CLEANING OTHER PARTS	MW 1M	-----
TROUBLE TESTS					
034-330-701	(1/0)	2.04	CLEARANCE BETWEEN INDEX DIAL AND VIEWER	TT	-----
		2.05	BELT POSITION AND TIGHTNESS	TT	-----
		2.06	FREEDOM OF ROCKER ARM MOVEMENT	TT	-----
		2.07	CAM AND ROLLER ALIGNMENT	TT	-----
		2.08	ALIGNMENT OF DRUM HOLES WITH READING PINS	TT	-----
		2.09	DRIVING PAWL POSITION	TT	-----
		2.10	DRIVING PAWL TENSION	TT	-----
		2.11	RETAINING PAWL POSITION	TT	-----
		2.12	RETAINING PAWL POSITION	TT	-----
		2.13	CLEARANCE BETWEEN DRUM ADVANCE CAM & ROLLER	TT	-----
		2.14	INTERRUPTER SPRING TENSION	TT	-----
		2.15	INTERRUPTER SPRING POSITION	TT	-----
		2.16	DRIVING SPRING TENSION	TT	-----
		2.17	DRUM ADVANCE MAGNET HOLD TEST	TT	-----
		2.18	FREEDOM OF READING PIN MOVEMENT	TT	-----
		2.19	STRAIGHTNESS OF READING PINS	TT	-----
		2.20	CLEARANCE BETWEEN READINGS PINS AND DRUM	TT	-----
		2.21	PRESSURE PLATE POSITION AND TENSION	TT	-----
		2.22	CLEARANCE BETWEEN TAPE GUIDE FINGERS AND PRESSURE PLATE	TT	-----
		2.23	CLEARANCE BETWEEN TAPE GUIDE FINGERS AND READING PINS	TT	-----

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034-330-701	(1/0)	2.24	CONTACT FOLLOW	TT	-----
		2.25	PARALLELISM OF BIFURCATED SPRINGS	TT	-----
		2.26	CONTACT SPRING TENSION	TT	-----
		2.27	CONTACT MAKE	TT	-----
		2.28	CONTACT SEPARATION OF READING CONTACTS	TT	-----
		2.29	READING CONTACT RETRACTILE SPRING TENSION	TT	-----
		2.30	AUXILIARY CONTACT RETRACTILE SPRING TENSION	TT	-----
		2.31	RESIDUAL AIR GAP	TT	-----
		2.32	HEELPIECE AIR GAP	TT	-----
		2.33	STOP MAGNET ARM POSITION	TT	-----
		2.34	SPRING GAUGING	TT	-----
		2.35	ELECTRICAL REQUIREMENTS	TT	-----
		2.36	TAPE FEED KEY	TT	-----
		2.37	MOTOR REQUIREMENTS	TT	-----
		2.38	OPERATION TEST	TT	-----
034-335-501	(1/0)	5.01	(5.01-5.64) TESTING PROCEDURES	TT	-----
034-335-502	(3/0)	A	OVERALL OPERATION	TT	-----
		B	MAKE CONTACT & BREAK CONTACT TIMING	TT	-----
		C	READER SPEED	TT	-----
		D	FALSE MAKE WITH UNPERFORATED TAPE IN READER	TT	-----
		E	CONTACT CHATTER	TT	-----
		F	READER STEP MAGNET	TT	-----
034-335-503	(1/1)	D	POSSIBLE ERROR CONDITIONS AND THEIR ANALYSIS	TT	-----
034-335-701	(7/1)	2.04	CLEARANCE BETWEEN LIP OF TAPE CHUTE AND DRUM	TT	-----
		2.05	CLEARANCE BETWEEN OUTPUT TAPE PLATE AND DRUM	TT	-----
		2.06	CONTROL CONTACT LOCATING SPRING TENSION	TT	-----
		2.07	CONTROL CONTACT RETRACTILE SPRING TENSION	TT	-----
		2.08	READING CONTACT SPRING TENSION	TT	-----
		2.09	MAKE-CONTACT AND BREAK-CONTACT TIMING	TT	-----
		2.10	CONTACT SEPARATION OF READING CONTACTS	TT	-----
		2.11	TAPE FEED KEY	TT	-----
		2.12	MOTOR	TT	-----
		2.13	OPERATION	TT	-----
034-338-701	(1/0)		FRESNEL LENSES AND INNER SURFACES OF SCREEN AND BACKING FILE	TT	-----
		2.01	CLEANING	TT	-----
		2.02	MOUNTING OF PARTS	TT	-----
		2.03	MOVEMENT OF VERTICAL SCANNING LEVEL	TT	-----
		2.04	SEPARATION BETWEEN CLAMPING AND GUIDE PLATES	TT	-----
		2.05	CLAMPING PLATE SPRING TENSION	TT	-----
		2.06	FREEDOM OF MOVEMENT OF FILM ADVANCE ASSEMBLY	TT	-----

034-338-701	(1/0)	2.07	ILLUMINATION OF VIEWING SCREEN	TT	-----
		2.08	QUALITY OF IMAGE ON VIEWING SCREEN	TT	-----
		2.09	REFLECTION OF EXTERNAL LIGHTING IN VIEWING SCREEN	TT	-----
		2.10	ALIGNMENT OF FILAMENT AND FILAMENT IMAGE	TT	-----
034-339-701	(2/1)	2.07	MANUAL AND CAM SWITCHES	TT	-----
		2.08	READER TABLE	TT	-----
		2.10	CARD FEEDING MECHANISM	TT	-----
		2.11	STARWHEEL SWITCH BLOCK ASSEMBLY	TT	-----
18.3 RECORDING EQPT; CLN CAB KS-13928					
FOR ALL UNITS					
034-349-701	(2/0)	2.01	CLEANING	MW *	-----
		2.02	LUBRICATION	MW 6M	-----
		2.03	DRAINING WATER AND OIL FROM THE AIR STORAGE TANK AND CONDENSER (AIR FILTER TANK)	MW *	-----
TROUBLE TESTS					
034-339-701	(2/1)	2.04	AIR PRESSURE	TT	-----
		2.05	OPERATION	TT	-----
18.4 RECORDING EQPT; RCDR & REPRDR					
SELECT ONLY ONE CATEGORY					
KS-12055 L4 & L6					
034-350-701	(5/1)	2.01	CLEANING	MW *	-----
		2.02	OTHER PARTS LUBE	MW 6M	-----
		2.02	RECORDING BAND (EQUIPPED WITH WIPER-LUBRICATION ASSEMBLY) LUBE	MR 1M	-----
		2.02	RECORDING BAND (NOT EQUIPPED WITH WIPER-LUBRICATION ASSEMBLY) LUBE	MW 1M	-----
KS-12068 L4-L7					
034-351-701	(7/1)	2.01	CLEANING	MW *	-----
		2.02	OTHER PARTS	MW 6M	-----
		2.02	RECORDING BAND (EQUIPPED WITH WIPER-LUBRICATION ASSEMBLY)	MR 1M	-----
		2.02	RECORDING BAND (NOT EQUIPPED WITH WIPER-LUBRICATION ASSEMBLY)	MW 1M	-----
KS-16534					
034-353-701	(2/0)		KS-16534 RECORDER-REPRODUCER AND ASSOCIATED AUDIO FACILITIES-ADJUSTING PROCEDURES	MR *	-----
034-353-703	(1/0)	2.01	CLEANING	MW *	-----
034-353-704	(1/0)	2.01	CLEANING	MW *	-----
		2.02	LUBRICATION	MW *	-----
KS-16765 L3					
034-354-701	(4/0)	2.01	CLEANING	MW *	-----
		2.02	LUBRICATION	MW *	-----
		2.21	WEAR OF MAGNETIC HEAD	MR *	-----

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KS-19124

034-355-701	(3/1)	2.01	(2.01E,F) CLEANING PULLEY SURFACES OF DRIVE MOTOR & CAPSTAN FLYWHEEL, BRAKE DRUM	MW 1M	-----
		2.01	CLEANING CAPSTAN & TAPE GUIDES	MW D	-----
		2.01	CLEANING CAPSTAN IDLER	MW W	-----
		2.01	CLEANING GENERAL	MW W	-----
		2.01	CLEANING HEAD ASSEMBLY (8 HRS OF OPERATION)	MW D	-----
		2.02	LUBRICATION (1000 HRS OF USE OR 12M WHICHEVER COMES FIRST)	MW 1M	-----

KS-19125 L1 & L2

034-356-701	(4/0)	2.01	CLEANING OTHER PARTS	MW *	-----
		2.01	CLEANING TAPE PATH (EACH TAPE CHANGE)	MW *	-----
		2.02	LUBRICATION	MR 6M	-----
		2.18	FRONT COVER DOORS	MR *	-----
		2.19	REAR DOORS	MR *	-----

KS-19325

034-357-701	(1/0)	2.01	CLEANING OTHER PARTS	MW W	-----
		2.01	CLEANING TAPE PATHS	MW *	-----

KS-19326

034-358-701	(3/0)	2.01	CLEANING GENERAL (WEEKLY OR 40 HRS USE, WHICHEVER COMES FIRST)	MW W	-----
		2.01	CLEANING INSIDE TAPE CLEANERS	MW W	-----
		2.01	CLEANING TAPE PATH (8 HRS OF OPERATION AND EACH TAPE CHANGE)	MW D	-----
		2.06	ELECTRONIC CHECK MAGNETIC HEAD ASSEMBLY	MW 2M	-----
		2.06	VISUAL CHECK MAGNETIC HEAD ASSEMBLY	MW W	-----
		2.10	TRANSMISSION DRIVE BELTS & ASSOCD IDLER ASSEMBLY	MW W	-----
		2.11	TAPE SPEED	MW 3M	-----
		2.12	TAPE TRACKING	MW 1M	-----
		2.13	TAPE PATH (EACH TAPE CHANGE)	MW *	-----
		2.14	SPRING & ROLLER ASSEMBLY (EACH TAPE CHANGE)	MW *	-----
		2.15	BRAKE SOLENOID	MW 6M	-----
		2.18	TAPE REELS (EACH TAPE CHANGE)	MW *	-----
		2.21	EOT/BOT AMPLIFIER	MR 3M	-----
		2.22	SERVO SYSTEM	MR 1M	-----

10A RECORDER

034-359-701	(3/0)	2.01	CLEANING	MR *	-----
		2.02	LUBRICATION DRUM BEARINGS	MW *	-----
		2.02	LUBRICATION OTHER PARTS	MW *	-----
		2.36	WEAR OF RECORDING HEAD	MR *	-----

KS-19125 L3

034-360-701	(3/1)	2.01	(A) GENERAL CLEANING	MR W	-----
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034-360-701 (3/1)	2.01	(B) CLEANING TAPE PATH (EACH TAPE CHANGE)	MW *	-----
	2.01	(C) CLEAN COVER DOOR	MR W	-----
	2.01	(D) CLEAN FINISH	MR W	-----
	2.01	(E) CLEAN REEL TURNTABLE BRAKE	MR W	-----
	2.02	(C) LUBRICATE PINCH ROLLER	MW 6M	-----
	2.02	(D) LUBRICATE HINGES	MW 6M	-----
	2.12	INSPECT FRONT DOOR COVER	MR *	-----
	2.13	INSPECT REAR DOOR	MR *	-----
KS-20017				
034-361-701 (1/0)	2.01	CLEANING TAPE CLEANER ASSEMBLY	MW W	-----
	2.01	CLN & INSP CAPSTAN & PINCH ROLLER (EACH TAPE CHANGE)	MW *	-----
	2.01	CLN & INSP ERASE HEAD (EACH TAPE CHANGE)	MW *	-----
	2.01	CLN & INSP TAPE GUIDES (EACH TAPE CHANGE)	MW *	-----
	2.01	CLN & INSP WRITE HEAD (EACH TAPE CHANGE)	MW *	-----
	2.01	GENERAL CLEANING	MW W	-----
	2.02	(2.01D) LUBRICATION COVER DOOR LATCH & STAY ASSEMBLIES	MW 6M	-----
	2.02	(2.02C) LUBRICATION HINGES	MW 6M	-----
	2.02	LUBRICATION PINCH ROLLER LEVER BRACKET	MW 12M	-----
	2.02	LUBRICATION SPRING PIVOTS	MW 12M	-----
	2.17	CHECK WHEEL BRAKE TORQUE & GAP	MW 12M	-----
	2.18	INSPECT REEL MOTOR BRUSHES	MW 12M	-----
2.19	REPLACE RELAY K4 OF CP3 & CP4	MW 24M	-----	
KS-21447				
> 034-362-701 (1/0)	2.01	CLEANING GENERAL	MW W	-----
	2.01	CLEANING TAPE PATH (INSPECT EACH TAPE CHANGE)	MR *	-----
	2.09	HEAD ASSEMBLY INSPECT	MW W	-----
KS-19647				
034-365-701 (1/0)	-	CHECK REEL BRAKE LINING, TABLE A (4000 HOURS TAPE IN MOTION)	MW 5M	-----
	-	CHECK VACUUM UNIT MOTOR BRUSHES, TABLE A (800 HOURS, STANDBY & IN USE)	MW 1M	-----
	-	REPLACE CAPSTAN & REEL TACHOMETER TABLE A (30,000 HRS TAPE IN MOTION)	MW 36M	-----
	-	REPLACE LOOP SENSOR ASSEMBLY (10,000 HRS, STANDBY & IN USE)	MW 12M	-----
	-	REPLACE REEL MOTOR BRUSHES, TABLE A (5000 HOURS TAPE IN MOTION)	MW 6M	-----
	-	REPLACE VACUUM MOTOR, TABLE A (4000 HOURS, STANDBY & IN USE)	MW 5M	-----
	2.02	CLEANING GENERAL (200 HOURS, STANDBY & IN USE)	MW W	-----
	2.02	CLEANING TAPE CLEANER CARTRIDGE (120 HOURS IN MOTION)	MW W	-----
	2.02	CLEANING TAPE PATH (8 HOURS IN MOTION)	MW *	-----

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034-365-701	(1/0)	2.02	REPLACE VACUUM UNIT FILTER (800 HOURS)	MW W	-----
		2.03	LUBRICATION	MW 6M	-----
		2.05	CHECK REEL BRAKE TENSION (800 HOURS, STANDBY & IN MOTION)	MW 1M	-----
		2.09	REPLACE PHOTOSENSE HEAD ASSEMBLY (10,000 HRS, STANDBY IN USE)	MW 12M	-----
KS-19671					
034-366-701	(1/0)	2.01	GENERAL CLEANING	MR *	-----
KS-19897					
034-367-701	(2/0)	-	REPLACE CAPSTAN DRIVE ASSEMBLY TABLE A (30,000 HRS TAPE IN MOTION)	MW 36M	-----
		-	REPLACE LOOP SENSOR ASSEMBLIES (10,000 HRS, STANDBY & IN USE)	MW 12M	-----
		-	REPLACE PHOTOSENSE HEAD ASSEMBLY (10,000 HRS, STANDBY AND IN USE)	MW 12M	-----
		-	REPLACE REEL TACHOMETER (30,000 HRS TAPE IN MOTION)	MW 36M	-----
		-	REPLACE VACUUM BLOWER MOTOR, TABLE A (4000 HRS, STANDBY & IN USE)	MW 5M	-----
		2.01	CLEANING GENERAL (170 HRS, STANDBY & IN USE)	MW W	-----
		2.01	CLEANING TAPE CLEANER CARTRIDGE (5000 HRS TAPE IN MOTION)	MW 6M	-----
		2.01	CLEANING TAPE PATH (8 HRS TAPE IN MOTION)	MW *	-----
		2.01	REPLACE VACUUM BLOWER FILTER (800 HRS, STANDBY & IN USE)	MW 1M	-----
		2.02	LUBRICATION DOOR HINGES	MW 6M	-----
		2.04	INSPECT VACUUM BLOWER MOTOR BRUSHES (800 HRS, STANDBY & USE)	MW 1M	-----
		2.05	INSPECT REEL MOTOR BRUSHES (5000 HRS TAPE IN MOTION)	MW 6M	-----
		2.06	CHECK VACUUM LEVEL (500 HRS, STANDBY & IN USE)	MW 2W	-----
		2.06	REPLENISH CAPSTAN BRAKE FLUID (2500 HRS, STANDBY & IN USE OR 350 HRS TAPE IN MOTION)	MW 3M	-----
		2.07	CHECK REEL BRAKE TENSION (800 HRS, STANDBY & IN USE)	MW 1M	-----
		2.08	INSPECT REEL MOTOR BRAKE LININGS (4000 HRS TAPE IN MOTION)	MW 5M	-----
		2.12	READJUST CAPSTAN INCREMENTAL SPEED (2500 HRS, STANDBY & IN USE OR 550 HRS TAPE IN MOTION)	MW 3M	-----
KS-20571					
034-369-302	(1/0)	3	ROUTINE CHECKS	MW *	-----
034-369-701	(2/0)	2.01	(2.01A) GENERAL CLEANING	MW W	-----
		2.01	(2.01B) CLEANING TAPE PATH COMPONENTS	MW D	-----
		2.01	(2.01B1) CLEANING TAPE CLEANER ASSEMBLY	MW *	-----
		2.01	(2.01B2) INSPECT READ, WRITE, & ERASE HEADS	MW D	-----
		2.01	(2.01C) CLEANING COVER DOORS	MR *	-----
		2.01	(2.01D) INSPECT FINISH	MR *	-----
		2.02	LUBRICATION	MR *	-----

034-369-701 (2/0)	2.09	REEL MOTOR BRUSHES	MW 12M	-----
TROUBLE TESTS				
034-350-701 (5/1)	2.04	CENTERING OF RECORDING BAND ON DRUM	TT	-----
	2.05	DRUM SETSCREW CLEARANCE ON MACHINES EQUIPPED WITH KS-12055 L20 DRUM ONLY	TT	-----
	2.06	FREEDOM OF MOVEMENT OF COUNTERWEIGHT AND HEAD ASSEMBLIES	TT	-----
	2.07	RECORD BIAS AND RECORD LEVEL	TT	-----
	2.08	POSITION OF RECORD HEAD ON RECORDING BAND	TT	-----
	2.09	PRESSURE OF RECORD HEAD AGAINST RECORDING DRUM	TT	-----
	2.10	ERASE COIL	TT	-----
	2.11	FREEDOM OF MOVEMENT OF SOLENOID AND ERASE MAGNET PARTS	TT	-----
	2.12	CLEARANCE BETWEEN ERASE MAGNET MOUNTING PLATE AND BEARING PLATE	TT	-----
	2.13	POSITION OF MICROSWITCH OPERATING FINGER	TT	-----
	2.14	CLEARANCE BETWEEN ERASE MAGNET AND RECORDING BAND	TT	-----
	2.15	CENTERING OF ERASE MAGNET WITH RESPECT TO RECORDING BAND	TT	-----
	2.16	TRAVERSE ARM PLAY	TT	-----
	2.17	POSITION OF TRAVERSE ARM	TT	-----
	2.18	RETRACTILE SPRING TENSION	TT	-----
	2.19	FREEDOM OF MOVEMENT OF HEAD LIFTER ARM	TT	-----
	2.20	RAISING AND LOWERING OF RECORD HEAD	TT	-----
	2.21	CONTACT ALIGNMENT	TT	-----
	2.22	CONTACT SEPARATION	TT	-----
	2.23	CONTACT FOLLOW	TT	-----
	2.24	CONTACT SEQUENCE	TT	-----
	2.25	CLEARANCE BETWEEN CAM AND STUD ON OPERATING SPRING	TT	-----
034-351-701 (7/1)	2.04	CENTERING OF RECORDING BAND ON DRUM	TT	-----
	2.05	RECORD AND ERASE VOLTAGE AND RECORD LEVELS	TT	-----
	2.06	POSITION OF RECORD AND ERASE HEADS ON RECORDING BAND	TT	-----
	2.07	PRESSURE OF RECORD AND ERASE HEADS AGAINST RECORDING BAND	TT	-----
	2.08	FREEDOM OF MOVEMENT	TT	-----
	2.09	RECORD AND ERASE HEAD MOUNTING BRACKET SIDE PLAY	TT	-----
	2.10	CLEARANCE BETWEEN STATIONARY SHIELD AND ADJACENT PARTS	TT	-----
	2.11	INTERFERENCE BETWEEN ADJACENT CHANNELS	TT	-----
	2.12	ERASURE OF MESSAGE	TT	-----
	2.13	CLEARANCE BETWEEN PERMANENT MAGNET AND MERCURY SWITCH (L4 MACHINE ONLY)	TT	-----

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034-351-701	(7/1)	2.14	ADJUSTABLE MOTOR MOUNT	TT	-----
		2.15	DRIVING BELT TENSION	TT	-----
		2.16	PULLEY AND DRIVING BELT ALIGNMENT	TT	-----
		2.17	RECORDING DRUM SPEED	TT	-----
		2.18	MICROSWITCHES AND SWITCH CAMS	TT	-----
		2.19	OPERATION REQUIREMENT	TT	-----
034-353-501	(1/0)	A	VOICE ALM-SINGLE CHANNEL	TT	-----
		B	REPEAT DICTATE-SINGLE CHANNEL	TT	-----
		C	VOICE ALM-SINGLE CHANNEL	TT	-----
		D	MAJ ALM-DUAL CHANNEL	TT	-----
034-353-703	(1/0)	2.02	RELAY MOUNTING	TT	-----
		2.03	FREEDOM OF MOVEMENT OF ARMATURE	TT	-----
		2.04	HEELPIECE AIRGAP	TT	-----
		2.05	ARMATURE TRAVEL	TT	-----
		2.06	STRAIGHTNESS OF SPRINGS	TT	-----
		2.07	SPRING GAUGING	TT	-----
		2.08	CONTACT SEPARATION	TT	-----
		2.09	CONTACT SEQUENCE	TT	-----
		2.10	CONTACT FOLLOW	TT	-----
		2.11	ARMATURE BACK TENSION	TT	-----
		2.12	ELECTRICAL REQUIREMENTS	TT	-----
034-353-704	(1/0)	2.04	PUCK PRESSURE	TT	-----
		2.05	PUCK CLEARANCE	TT	-----
		2.06	PUCK DRIVE SOLENOID STROKE	TT	-----
		2.07	CLEARANCE BETWEEN PUCK ARM AND BUFFER ON PUCK CLEARANCE ADJUSTING COLLAR	TT	-----
		2.08	FREEDOM OF MOVEMENT OF PUCK	TT	-----
		2.09	PUCK ENDPLAY	TT	-----
		2.10	BREAK SHOE CLEARANCE	TT	-----
		2.11	OPERATION OF BREAK	TT	-----
		2.12	DRUM BREAK RELEASE MAGNET	TT	-----
		2.13	BELT AND PULLEY ALIGNMENT	TT	-----
		2.14	IDLER PULLEY PRESSURE	TT	-----
		2.15	ENGAGEMENT OF HALF-NUT WITH LEAD SCREW	TT	-----
		2.16	PRESSURE OF HALF-NUT ON LEAD SCREW	TT	-----
		2.17	CLEARANCE BETWEEN HALF-NUT AND LEAD SCREW	TT	-----
		2.18	CLEARANCE BETWEEN RETURN CHANNEL ARM AND ADJUSTING COLLAR BUFFER	TT	-----
		2.19	FREEDOM OF MOVEMENT OF LEAD SCREW SOLENOID PLUNGER	TT	-----
		2.20	TENSION OF HEAD TRAVERSE ROD RETURN SPRING	TT	-----
		2.21	FREEDOM OF MOVEMENT OF HEAD TRAVERSE ROD	TT	-----

034-353-704 (1/0)	2.22	HEAD TRAVERSE ROD INDEX SWITCH CONTACT SPRING REQUIREMENTS	TT	-----
	2.23	HEAD TRAVERSE ROD LIMIT SWITCH CONTACT SPRING REQUIREMENTS	TT	-----
	2.24	RELEASE OF VARIABLE LIMIT ROD	TT	-----
	2.25	VARIABLE LIMIT MAGNET ARMATURE STUD PRESSURE	TT	-----
	2.26	VARIABLE LIMIT RETURN SPRING TENSION	TT	-----
	2.27	FREEDOM OF MOVEMENT OF VARIABLE LIMIT ROD	TT	-----
	2.28	VARIABLE LIMIT SWITCH CONTACT SPRING REQUIREMENTS	TT	-----
	2.29	OPERATION OF MERCURY SWITCH	TT	-----
	2.30	FREEDOM OF MOVEMENT OF HEAD ASSEMBLY	TT	-----
	2.31	RECORD REPRODUCE HEAD ENDPLAY	TT	-----
	2.32	CUT-THROUGH DRUM INDEX, AND FLASHING SWITCHES CONTACT SPRING REQUIREMENTS	TT	-----
	2.33	GAP BETWEEN ERASE COIL CORE & RECORDING BAND	TT	-----
	034-354-701 (4/0)	2.34	ELECTRICAL REQUIREMENTS	TT
2.35		OPERATION REQUIREMENT	TT	-----
2.04		DRUM SHAFT ENDPLAY	TT	-----
2.05		MAGNETIC HEAD POSITION	TT	-----
2.06		FREEDOM OF CARRIAGE FEED SCREW	TT	-----
2.07		BAIL ASSEMBLY MOVEMENT	TT	-----
2.08		BAIL STOP POSITION	TT	-----
2.09		CARRIAGE HALF-NUT POSITION	TT	-----
2.10		FREEDOM OF CARRIAGE ASSEMBLY	TT	-----
2.11		CONTACT ALIGNMENT (S1, S2, AND S3 SWITCHES)	TT	-----
2.12		CONTACT SEPARATION AND FOLLOW (S1, S2, AND S3 SWITCHES)	TT	-----
2.13		CARRIER FOOT POSITION	TT	-----
2.14		LIMIT SWITCH CLAMP OPERATION	TT	-----
2.15		LIMIT SWITCH MOVEMENT	TT	-----
2.16		POSITION OF ERASE COIL ASSEMBLY	TT	-----
2.17		MAGNETIC HEAD LIFTING TAB	TT	-----
034-355-701 (3/1)		2.18	MAGNETIC HEAD PRESSURE	TT
	2.19	DRUM SPEED	TT	-----
	2.20	FLAT DRIVE BELT	TT	-----
	2.22	ROUND DRIVE BELTS	TT	-----
	2.03	TAPE SUPPLY (REWIND) AND TAKE-UP CLUTCH TENSIONS	TT	-----
	2.04	SUPPLY AND TAKE-UP BRAKE ASSEMBLIES	TT	-----
	2.05	TURNTABLE HIGH TORQUE (BRAKE) SPRING TENSION	TT	-----
	2.06	CLEARANCE BETWEEN CAPSTAN IDLER AND CAPSTAN	TT	-----
	2.07	CAPSTAN IDLER PRESSURE	TT	-----

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034-355-701	(3/1)	2.08	SPEED CHANGE ASSEMBLY	TT	-----
		2.09	DEMAGNETIZATION OF HEAD ASSEMBLY	TT	-----
		2.10	TAPE GUIDES	TT	-----
		2.11	REPRODUCE HEAD ALIGNMENT	TT	-----
034-356-701	(4/0)	2.04	REEL TURNTABLE ALIGNMENT	TT	-----
		2.06	BRAKING TORQUES FOR SUPPLY AND TAKE-UP REEL TURNTABLES	TT	-----
		2.07	TAPE-BREAK SWITCHES	TT	-----
		2.08	UPPER TENSION ARM AND DASH POT	TT	-----
		2.09	LOWER TENSION ARM	TT	-----
		2.10	HEAD ASSEMBLY	TT	-----
		2.11	PINCH ROLLER AND LIMIT SWITCH	TT	-----
		2.12	PINCH ROLLER SOLENOID	TT	-----
		2.13	FAST FORWARD, SLOW FORWARD, AND STOP SWITCHES	TT	-----
		2.14	END-OF-TAPE SENSOR	TT	-----
		2.15	DRIVE MOTOR AND CAPSTAN	TT	-----
		2.16	REEL MOTOR	TT	-----
		2.17	CONDITION INDICATOR	TT	-----
		2.20	RELAYS	TT	-----
> 034-357-302	(1/0)		TROUBLE LOCATING PROCEDURES	TT	-----
034-358-302	(1/0)		TROUBLESHOOTING PROCEDURES	TT	-----
034-358-701	(3/0)	2.04	COVER DOOR	TT	-----
		2.05	INTERLOCK SWITCH	TT	-----
		2.07	MAG HD READ/WRITE CABLE ASSY CONTINUITY VERIF	TT	-----
		2.08	TAPE SENSOR	TT	-----
		2.09	TAPE SENSOR ASSY	TT	-----
		2.16	START TIME & STOP TIME	TT	-----
		2.17	REEL ADAPTER ASSY	TT	-----
		2.19	TENSION ARM SENSING SWITCH & ACTUATING CAM	TT	-----
		2.20	TENSION ARM TORSION SPRING TENSION	TT	-----
		2.23	REEL DRIVE MOTOR BRAKE TORQUE	TT	-----
		2.24	CAPSTAN SHAFT	TT	-----
		2.25	INSTANTANEOUS SPREAD VARIATIONS	TT	-----
034-359-701	(3/0)	2.03	DRUM SHAFT ENDPLAY	TT	-----
		2.04	RECORDING HEAD POSITION	TT	-----
		2.05	GEAR ENGAGEMENT	TT	-----
		2.06	FREEDOM OF CARRIAGE FEED SCREW	TT	-----
		2.07	BAIL ASSEMBLY MOVEMENT	TT	-----
		2.08	POSITION OF LATCH	TT	-----
		2.09	LATCH OPERATION	TT	-----
		2.10	BAIL STOP POSITION	TT	-----

034-359-701 (3/0)	2.11	CARRIAGE HALF-NUT POSITION	TT	-----		
	2.12	RELATION BETWEEN LATCH & MOTOR CONTROL SWITCH	TT	-----		
	2.13	CONTACT ALIGNMENT (MOTOR CONTROL SWITCH)	TT	-----		
	2.14	CONTACT SEPARATION (MOTOR CONTROL SWITCH)	TT	-----		
	2.15	CONTACT FOLLOW (MOTOR CONTROL SWITCH)	TT	-----		
	2.16	CONTACT SPRING CLEARANCE (MOTOR CONTROL SWITCH)	TT	-----		
	2.17	FREEDOM OF CARRIAGE ASSEMBLY	TT	-----		
	2.18	FREEDOM OF MOVEMENT OF OPERATING RODS	TT	-----		
	2.19	OPERATING ROD SPRING TENSION	TT	-----		
	2.20	CLEARANCE BETWEEN OPERATING ROD AND TIMING SWITCH	TT	-----		
	2.21	ENGAGEMENT OF OPERATING ROD AND ASSOCIATED SWITCH	TT	-----		
	2.22	CONTACT ALIGNMENT (TIMING & FLASHER SWITCH)	TT	-----		
	2.23	CONTACT SEPARATION (TIMING & FLASHER SWITCH)	TT	-----		
	2.24	OPERATING SEQUENCE OF TIMING AND DRUM PULSING SWITCHES	TT	-----		
	2.25	CARRIAGE FOOT POSITION	TT	-----		
	2.26	LIMIT SWITCH CLAMP OPERATION	TT	-----		
	2.27	LIMIT SWITCH MOVEMENT	TT	-----		
	2.28	POSITION OF ERASE COIL ASSEMBLY	TT	-----		
	2.29	CONTACT ALIGNMENT (DRUM PULSING SWITCH)	TT	-----		
	2.30	CONTACT SEPARATION (DRUM PULSING SWITCH)	TT	-----		
	2.31	CONTACT FOLLOW (DRUM PULSING SWITCH)	TT	-----		
	2.32	RECORDING HEAD LIFTING TAB POSITION	TT	-----		
	2.33	RECORDING HEAD PRESSURE	TT	-----		
	2.34	DRUM CLUTCH PRESSURE	TT	-----		
	2.35	DRUM SPEED	TT	-----		
	034-360-701 (3/1)	2.04	HEAD ASSEMBLY	TT	-----	
		2.05	REEL TURNTABLE ALIGNMENT	TT	-----	
		2.06	BREAKING TORQUE FOR SUPPLY AND TAKE-UP REEL TURNTABLES	TT	-----	
		2.07	PINCH ROLLER AND LIMIT SWITCH	TT	-----	
		2.08	PINCH ROLLER LOCK SOLENOID	TT	-----	
		2.09	FAST FORWARD, SLOW FORWARD, & STOP SWITCHES	TT	-----	
		2.10	END-OF-TAPE PHOTONSENSE ASSEMBLY	TT	-----	
		2.14	RELAYS	TT	-----	
		034-361-301 (1/2)	3.04	A REEL MOTOR BRAKES--LOAD AND UNLOAD MODE	TT	-----
			3.04	A(1) BRK REL CONT ROD WILL NOT OPERATE (MECH REL) EITHER BRAKE	TT	-----
3.04	A(2) BRK REL CONT ROD WILL NOT OPERATE (MECH REL) SUPPLY MOTOR BRAKE		TT	-----		
3.04	A(3) BRK REL CONT ROD WILL NOT OPERATE (MECH REEL) TAKE-UP MOTOR BRAKE		TT	-----		

034-361-301 (1/2)	3.04	A(4) SUP BRK REMAINS OP WHEN BRK REL CONT ROD IS RELEASED (PUSHED IN)	TT	-----
	3.04	A(5) TAKE-UP BRK REMAINS OP WHEN BRK REL CONT ROD IS RELEASED (PUSHED IN)	TT	-----
	3.04	A(6) BOTH BRK REMAIN OP WHEN BRK REL CONT ROD IS RELEASED (PUSHED IN)	TT	-----
	3.04	A(7) TAKE-UP MOTOR RUNS WITH BRK REL CONT ROD OPERATED (PULLED OUT)	TT	-----
	3.04	B REEL MOTOR BRAKES--STEPPING MODE	TT	-----
	3.04	B(1) SUPPLY ARM--LOOP OFF-NORMAL (EMPTY UPPER LOOP)	TT	-----
	3.04	B(2) TAKE-UP ARM--TAPE BREAK (SLACK TAPE IN LOWER LOOP)	TT	-----
	3.04	B(3) NEITHER BRAKE OPERATES	TT	-----
	3.04	B(4) SUPPLY ARM--TAPE BREAK (SLACK TAPE IN UPPER LOOP)	TT	-----
	3.04	B(5) TAKE-UP ARM--LOOP OFF-NORMAL (EMPTY LOWER LOOP)	TT	-----
	3.04	B(6) NEITHER BRAKE RELEASES (SLACK UPPER LP, SLACK TIGHT, OR OSC LOWER LP)	TT	-----
	3.04	C OTHER STEPPING MODE DRIVE PROBLEMS	TT	-----
	3.04	C(1) SUPPLY ARM--LOOP OFF-NORMAL (SUPPLY BRAKE OPERATES NORMALLY)	TT	-----
	3.04	C(2) SUPPLY ARM--SLOW OR OTHERWISE ABNORMAL MOTION	TT	-----
	3.04	C(3) TAKE-UP ARM--SLOW OR OTHERWISE ABNORMAL MOTION	TT	-----
	3.04	C(4) TAKE-UP ARM--TAPE BREAK (TAKE-UP BRAKE OPERATES NORMALLY)	TT	-----
	3.04	D FORWARD WIND MODE	TT	-----
	3.04	D(1) NO RESPONSE TO FORWARD WIND COMMAND	TT	-----
	3.04	D(2) SUPPLY REEL DOES NOT RESPOND TO FORWARD WIND COMMAND	TT	-----
	3.04	D(3) SUPPLY REEL RESPONSE ABNORMAL--ABNORMAL ARM MOTION	TT	-----
	3.04	D(4) SUPPLY ARM MOTION OCCASIONALLY ABNORMAL DURING WINDING	TT	-----
	3.04	D(5) SUPPLY ARM--TAPE BREAK OR LOOP OFF-NORMAL WHILE START OR STOP FORWARD WIND OP	TT	-----
	3.04	D(6) TAKE-UP REEL DOES NOT RESPOND TO FORWARD WIND COMMAND	TT	-----
	3.04	D(7) TAKE-UP REEL RESPONDS ABNORMALLY TO FORWARD WIND COMMAND	TT	-----
	3.04	E REWIND MODE	TT	-----
	3.04	E(1) NO RESPONSE TO REWIND COMMAND	TT	-----
	3.04	E(2) TAKE-UP REEL DRIVE DOES NOT RESPOND	TT	-----
	3.04	E(3) TAKE-UP REEL DRIVE RESPONSE ABNORMAL--ABNORMAL ARM MOTION	TT	-----
	3.04	E(4) TAKE-UP ARM MOTION OCCASIONALLY ABNORMAL DURING REWIND	TT	-----

034-361-301 (1/2)	3.04	E(5) TAKE-UP ARM--TAPE BREAK OR LOOP OFF-NORMAL WHILE STARTING OR STOPPING	TT	-----
	3.04	E(6) SUPPLY REEL DRIVE DOES NOT RESPOND	TT	-----
	3.04	E(7) SUPPLY REEL DRIVE RESPONDS ABNORMALLY	TT	-----
	3.04	F 41-VOLT REGULATED POWER SUPPLY	TT	-----
	3.04	F(1) VOLTAGE REGULATOR DOES NOT PROVIDE 41 VOLTS	TT	-----
	3.04	G STEPPING MOTOR SYSTEM	TT	-----
	3.04	G(1) STEPPING MOTOR DOES NOT PHYSICALLY RESPOND TO STEP COMMANDS	TT	-----
	3.04	G(2) WRITE STROBE NOT GENERATED (STEPPING MOTOR RESPONDS)	TT	-----
	3.04	G(3) FAULTY WRITE STROBE--OCCASIONALLY MISSING, LATE, OR MULTIPLE STROBES	TT	-----
	3.04	G(4) BLOCK COUNTER FAULTY	TT	-----
	3.04	G(5) STEPPING MOTOR DOES NOT RESPOND TO IBG INPUT STEP RATE	TT	-----
	3.04	G(6) FAULTY CHARACTER SPACING PERFORMANCE	TT	-----
	3.04	H MISCELLANEOUS PROBLEMS	TT	-----
	3.04	H(1) TAPE MOTION CHECK FAULTY	TT	-----
	3.04	H(2) DOOR OPEN SWITCH FAULTY	TT	-----
	3.04	H(3) TAPE BREAK INDICATIONS FAULTY	TT	-----
	3.04	H(4) LOOP OFF-NORMAL INDICATIONS FAULTY--RECORDER OPERATION APPEARS NORMAL	TT	-----
	3.04	H(5) PINCH ROLLER POSITION INDICATOR FAULTY	TT	-----
	3.04	H(6) STATUS LAMPS FAULTY	TT	-----
	3.04	H(7) ABNORMAL AUDIBLE NOISES	TT	-----
	3.04	I ERASE HEAD--PROBLEMS OR VERIFICATION TESTING	TT	-----
	3.04	I(1) ERASE HEAD CIRCUIT OPEN	TT	-----
	3.04	I(2) ERASE HEAD PROVIDES INADEQUATE ERASURE	TT	-----
	3.04	J RECORD HEAD--PROBLEMS OR VERIFICATION TESTING	TT	-----
	3.04	J(1) ONE OR MORE CHANNELS ELECTRICALLY ABNORMAL (SHORTS, OPEN, OR PARTIAL SHORT)	TT	-----
	3.04	J(2) ONE OR MORE CHANNELS DO NOT PROVIDE ACCEPTABLE RECORDED SIGNAL	TT	-----
	3.04	K TAPE ENDS SENSOR ASSEMBLY	TT	-----
	3.04	K(1) BOT/EOT CONTROL FAILS TO STOP TAPE WINDING OPERATION	TT	-----
	3.04	L TAPE PACK PROBLEMS	TT	-----
	3.04	L(1) INFERIOR REEL TAPE PACK	TT	-----
	3.04	L(2) TAPE VIBRATIONS	TT	-----
034-361-701 (1/0)	2.04	WRITE HEAD	TT	-----
	2.05	ERASE HEAD	TT	-----
	2.06	PINCH ROLLER AND LIMIT SWITCHES	TT	-----
	2.07	DOOR OPEN AND BRAKE RELEASE SWITCHES	TT	-----

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034-361-701	(1/0)	2.08	TAPE ENDS SENSOR ASSEMBLY AND FAST WIND OPERATION	TT	-----
		2.09	TAPE GUIDES	TT	-----
		2.10	COMPLIANCE ARMS	TT	-----
		2.11	TAPE CLEANER	TT	-----
		2.12	STEPPING MOTOR AND CAPSTAN	TT	-----
		2.13	VOLTAGE REGULATOR	TT	-----
		2.14	TAPE TENSION	TT	-----
		2.15	REEL DRIVE MOTORS	TT	-----
		2.16	REEL SERVO SYSTEM, CAMS, AND CAM SWITCHES	TT	-----
		2.17	REEL BRAKE FOR SUPPLY AND TAKE-UP REELS	TT	-----
		2.18	REEL MOTOR BRUSHES	TT	-----
		2.19	RELAY K4 OF CP3 AND CP4	TT	-----
		2.20	STATUS INDICATOR	TT	-----
034-362-701	(1/0)	2.04	TAPE CARTRIDGE GUIDES	TT	-----
		2.05	CARTRIDGE SENSING SWITCH ASSEMBLY	TT	-----
		2.06	EOT/BOT SENSOR ASSEMBLY	TT	-----
		2.07	CAPSTAN MOTOR	TT	-----
		2.08	MANUAL REWIND AND UNLOAD SWITCH ASSEMBLY	TT	-----
		2.10	CAPSTAN PUCK	TT	-----
		2.11	CIRCUIT BOARDS	TT	-----
034-365-701	(1/0)	2.06	CONTROL UNIT POWER SUPPLY	TT	-----
		2.07	CAPSTAN SPEED AND SERVO ADJUSTMENTS	TT	-----
		2.08	REEL MOTOR SPEED	TT	-----
034-366-701	(1/0)	2.03	MESSAGE DIAL INDICATOR SETTING	TT	-----
034-367-701	(2/0)	2.09	REEL MOTOR BRAKE AIRGAP	TT	-----
		2.10	PHOTOSENSE HEAD	TT	-----
		2.11	MAGNETIC HEAD ASSEMBLY	TT	-----
		2.12	TAPE DRIVE SYSTEM	TT	-----
		2.14	LOGIC POWER SUPPLY	TT	-----
		2.15	DATA ELECTRONICS	TT	-----
034-369-301	(2/0)	3.05	A READY MODE NOT ATTAINABLE	TT	-----
		3.05	A(1) DOOR OPEN CONDITION EXIST WHEN DOOR IS CLOSED	TT	-----
		3.05	A(2) SERVO LAMP BURNOUT INDICATION	TT	-----
		3.05	A(3) ARM OFF-NORMAL INDICATION, BUT ARMS ARE IN NORMAL POSITION	TT	-----
		3.05	A(4) DC POWER FAILURE INDICATION	TT	-----
		3.05	A(5) AC POWER FAILURE INDICATION	TT	-----
		3.05	A(6) NO FAILURE DIAGNOSTIC PROVIDED	TT	-----
		3.05	B REEL MOTOR BRAKES	TT	-----
		3.05	B(1) BRAKES DO NOT HOLD REEL WHEN RECORDER IS IN NOT READY MODE	TT	-----

034-369-301 (2/0)	3.05	B(2) BRAKES DO NOT HOLD REEL WHEN RECORDER IS IN READY MODE	TT	-----
	3.05	B(3) ONE BRAKE DOES NOT RELEASE WHEN RECORDER IS IN READY MODE	TT	-----
	3.05	B(4) DEPRESSING THE BRAKE RELEASE PUSHBUTTON DOES NOT RELEASE THE BRAKES	TT	-----
	3.05	C REEL SERVO SYSTEM	TT	-----
	3.05	C(1) TRANSPORT IS UNABLE TO MAINTAIN TAPE TENSION DURING FAST WIND	TT	-----
	3.05	C(2) TRANSPORT IS UNABLE TO MAINTAIN TAPE TENSION IN OPERATE MODES	TT	-----
	3.05	C(3) REEL SERVE EXHIBITS INSTABILITY	TT	-----
	3.05	D CAPSTAN SERVO SYSTEM	TT	-----
	3.05	D CAPSTAN SYSTEM	TT	-----
	3.05	D(1) MOTION APPEARS NORMAL, BUT CAPSTAN MOTION DIAGNOSTIC IS PROVIDED	TT	-----
	3.05	D(1) MOTION APPEARS NORMAL, BUT CAPSTAN MOTION FAILURE DIAGNOSTIC IS PROVIDED	TT	-----
	3.05	D(10)CAPSTAN ACCELERATION PROFILES INTO AND OUT OF OPERATING SPEED MODES ARE FAULTY	TT	-----
	3.05	D(2) MOTION COMMAND IS GIVEN BUT CAPSTAN REMAINS STATIONARY	TT	-----
	3.05	D(2) MOTION COMMAND IS GIVEN, BUT CAPSTAN REMAINS STATIONARY	TT	-----
	3.05	D(3) A STOP COMMAND IS GIVEN, BUT THE CAPSTAN CREEPS	TT	-----
	3.05	D(4) CAPSTAN ROTATES AT VERY HIGH SPEED	TT	-----
	3.05	D(5) ONLY ONE CAPSTAN OPERATE SPEED IS OBTAINABLE	TT	-----
	3.05	D(6) TRANSPORT IS UNABLE TO SWITCH BETWEEN OPERATE SPEED AND HIGH SPEED WIND	TT	-----
	3.05	D(7) CAPSTAN ROTATES IN ONE DIRECTION ONLY	TT	-----
	3.05	D(8) TRANSPORT FAILS TO RESPOND TO ANY ONE PARTICULAR LOCAL COMMAND	TT	-----
	3.05	D(9) CAPSTAN ACCELERATION PROFILES INTO AND OUT OF HIGH SPEED MODES ARE FAULTY	TT	-----
	3.05	E MAGNETIC TAPE CONTROL	TT	-----
	3.05	E(1) EOT/BOT SENSOR CONTROL FAILS TO STOP TAPE WINDING OPERATION	TT	-----
	3.05	E(2) TAPE REEL LOADED STATUS INDICATION FAILURE	TT	-----
	3.05	E(3) TAPE REWIND TO LOAD POINT MALFUNCTION	TT	-----
	3.05	F LOCAL CONTROL/REMOTE CONTROL SELECTION	TT	-----
	3.05	F(1) UNABLE TO CHANGE LOCAL OR REMOTE RECORDER CONTROL LOCATION	TT	-----
	3.05	G READ, WRITE, AND ERASE HEADS	TT	-----
	3.05	G(1) ONE OR MORE CHANNELS ELECTRICALLY ABNORMAL (SHORTS, OPEN, OR PARTIAL SHORT)--READ HEAD	TT	-----
	3.05	G(2) ONE OR MORE CHANNELS DO NOT PRODUCE ACCEPTABLE SIGNAL FROM MAGNETIC TAPE	TT	-----

034-369-301	(2/0)	3.05	G(3) ONE OR MORE CHANNELS ELECTRICALLY ABNORMAL (SHORTS, OPENS, OR PARTIAL SHORT)--WRITE HEAD	TT	-----
		3.05	G(4) ONE OR MORE CHANNELS DO NOT PROVIDE ACCEPTABLE RECORDED SIGNAL	TT	-----
		3.05	G(5) ERASE HEAD CIRCUIT OPEN OR FAULTY	TT	-----
		3.05	G(6) PRECISION PLATE MALADJUSTMENT	TT	-----
		3.05	H TAPE LOAD/UNLOAD MALFUNCTION	TT	-----
		3.05	H(1) TAPE UNLOAD SEQUENCE FAILURE	TT	-----
		3.05	H(2) TAPE UNLOADED CAUSES ARM(S) OFF-NORMAL AND/OR OSCILLATION	TT	-----
		3.05	H(3) ONLY ONE TENSION ARM UNLOADS PROPERLY	TT	-----
		3.05	H(4) TAPE LOAD SEQUENCE FAILURE	TT	-----
		3.05	I WRITE ENABLE ASSEMBLY	TT	-----
		3.05	I(1) EXTERNAL CIRCUITRY INDICATES WRITE ENABLE SENSING IS INOPERATIVE	TT	-----
		3.05	J TENSION ARM POSITION SENSORS	TT	-----
		3.05	J(1) ARM SENSOR LAMP(S) BURNOUT (EXCESSIVE)	TT	-----
		3.05	K MAGNETIC TAPE PACK PROBLEMS	TT	-----
		3.05	K(1) INFERIOR REEL OF TAPE (REEL AND/OR TAPE)	TT	-----
034-369-302	(1/0)	4	TROUBLE LOCATING PROCEDURES	TT	-----
034-369-701	(2/0)	2.04	WRITE, READ, AND ERASE HEADS	TT	-----
		2.05	COVER DOOR INTERLOCK SWITCH (SI)	TT	-----
		2.06	EOT/BOT SENSOR ASSEMBLY	TT	-----
		2.07	TAPE GUIDES	TT	-----
		2.08	TAPE TENSION ARMS	TT	-----
		2.09	REEL MOTOR (SUPPLY AND TAKE-UP REELS)	TT	-----
		2.10	CAPSTAN-MOTOR DRAG TORQUE	TT	-----
		2.11	CIRCUIT PACK VOLTAGE LEVEL	TT	-----
		2.12	RECORDER PERFORMANCE MEASUREMENTS	TT	-----

> 18.5 RECORDING EQPT; RCDR & REPRDR CONT

SELECT ONLY ONE CATEGORY

> KS-21432 REPRODUCER REQTS & ADJUSTING PROCEDURES

034-376-701	(1/0)	2.01	(A) GENERAL CLEANING	MW W	-----
		2.01	(B) CLEAN TAPE PATH COMPONENTS (*EXCEPT EACH 2W WHEN USED LESS THAN 40 HRS)	MW W	-----

LUBRICATION

034-376-701	(1/0)	2.02	(A) CAPSTAN BEARINGS	MW W	-----
		2.02	(A) CASSETTE LOCATING PINS	MW W	-----
		2.02	(B) CASSETTE ACCESS DOOR GUIDES	MW 6M	-----
		2.02	(B) CASSETTE CARRIAGE ASSEMBLY	MW 6M	-----
		2.02	(B) HEAD LEVER ASSEMBLY ARM	MW 6M	-----
		2.02	(B) PUSH LEVER	MW 6M	-----

034-376-701 (1/0)	2.02 (B) SLIDE PLATE ASSEMBLY	MW 6M	-----
18.6 RECORDING EQPT; TAPE ANN D151131			
FOR ALL UNITS			
034-352-701 (1/0)	2.01 OTHER PARTS CLEANING	MW *	-----
	2.01 POLE-PIECES CLEANING	MW W	-----
	2.02 DRUMS, MOTOR BEARINGS, AND TAPE GUIDES LUBRICATION	MW *	-----
	2.02 IDLER PULLEY BEARING LUBRICATION	MW *	-----
	2.02 LEVER ARM BEARINGS LUBRICATION	MW *	-----
	2.15 TEMPERATURE	MW D	-----
TROUBLE TESTS			
034-352-701 (1/0)	2.03 FREEDOM OF MOVEMENT OF IDLER PULLEY AND LEVER ARM	TT	-----
	2.04 LOCATION OF IDLER PULLEY	TT	-----
	2.05 IDLER PULLEY SPRING TENSION	TT	-----
	2.06 FREEDOM OF MOVEMENT OF GUIDE COMB WASHERS	TT	-----
	2.07 FREEDOM OF MOVEMENT OF DRUMS	TT	-----
	2.08 ALIGNMENT OF POLE PIECES OF RECORDER-REPRODUCER UNIT	TT	-----
	2.09 TAPE GUIDES	TT	-----
	2.10 TAPE TENSION	TT	-----
	2.11 TAPE CLEARANCE	TT	-----
	2.12 ALIGNMENT OF FLYWHEEL AND BELT PULLEY	TT	-----
	2.13 FREEDOM OF ROTATING PARTS	TT	-----
	2.14 MOTOR SPEED	TT	-----
18.7 RECORDING EQPT; PGM TAPE KS19829			
FOR ALL UNITS			
034-368-701 (3/0)	2.01 CHECK REEL BRAKE LININGS	MW *	-----
	2.01 CHECK REEL BRAKE TENSION	MW *	-----
	2.01 CHECK VACUUM UNIT MOTOR BRUSHES	MW *	-----
	2.01 CLEAN TAPE PATH	MW *	-----
	2.01 CLEAN TAPE-CLEANER CARTRIDGE	MW *	-----
	2.01 GENERAL CLEANING	MW *	-----
	2.01 REPLACE CAPSTAN AND REEL TACHOMETERS	MW *	-----
	2.01 REPLACE LOOP SENSOR ASSEMBLIES	MW *	-----
	2.01 REPLACE PHOTOSENSE HEAD ASSEMBLY	MW *	-----
	2.01 REPLACE REEL MOTOR BRUSHES	MW *	-----
	2.01 REPLACE VACUUM UNIT FILTER	MW *	-----
	2.01 REPLACE VACUUM UNIT MOTOR	MW *	-----
	2.02 CLEANING	MW W	-----
	2.03 LUBRICATION	MW 6M	-----

TROUBLE TESTS

034-368-701	(3/0)	2.05	REEL BRAKE TORQUE (TENSION) FOR SUPPLY AND TAKE-UP REELS	TT	-----
		2.06	CONTROL UNIT POWER SUPPLY	TT	-----
		2.07	CAPSTAN SPEED AND SERVO ADJUSTMENTS	TT	-----
		2.09	PHOTOSENSE HEAD	TT	-----
		2.09	REEL SERVO SPEED	TT	-----
		2.10	RECORDER PERFORMANCE MEASUREMENTS	TT	-----
18.8 RECORDING EQPT; TAPE REELER					
FOR ALL UNITS					
034-370-701	(3/0)	2.01	CLEANING	MR *	-----
		2.02	LUBRICATION	MW *	-----
TROUBLE TESTS					
034-370-701	(3/0)	2.03	CLUTCH DRIVING FORCE	TT	-----
		2.04	HORIZONTAL LEVEL SPRING TENSION	TT	-----
		2.05	VERTICAL LEVER SPRING TENSION	TT	-----
		2.06	HORIZONTAL LEVER PIVOT	TT	-----
		2.07	VERTICAL LEVER PIVOT	TT	-----
		2.08	OPERATION OF THE VERTICAL LEVER	TT	-----
		2.09	SPEED OF TAPE REEL SPINDLE	TT	-----
		2.10	TAPE PINS AND RODS	TT	-----
		2.11	SHAFT ENDPLAY	TT	-----
		2.12	BACKLASH BETWEEN MOTOR SPUR GEAR AND ASSOCIATED FIBER GEAR	TT	-----
		2.13	SPEED REGULATOR AND CAPACITOR	TT	-----
18.9 RECORDING EQPT; 1 TYP TRANSLATOR					
FOR ALL UNITS					
034-700-701	(2/0)	2.01	CLEANING	MR *	-----
OPTIONAL FEATURES					
TYP 4 APPARATUS UNIT					
034-700-702	(3/0)	2.01	CLEANING	MR *	-----
		2.02	REPLACEMENT OF FILTER (1B TRANSLATOR ONLY)	MR 1M	-----
		2.03	LUBRICATION	MW 12M	-----
214A SELECTOR					
034-700-703	(6/2)	2.01	CLEANING	MR *	-----
		2.02	LATCH ARMATURE ARMBLADE AND FLAT WASHER OF CODE AND CARD SUPPORT BAR COUPLING LUBE	MW *	-----
		2.02	OIL HOLES IN LIFT MAGNET ARMATURE ARM AND IN LATCH ARMATURE ARM LUBE	MW 12M	-----
TROUBLE TESTS					
034-700-701	(2/0)	2.02	PLUG AND JACK ENGAGEMENT	TT	-----
		2.03	ENGAGEMENT OF PLUG AND JACK SPRINGS	TT	-----
		2.04	OPERATION OF SELECTOR ALARM MICRO SWITCH	TT	-----

034-700-701 (2/0)	2.05	CLEARANCE BETWEEN NOTCH IN CARDS AND CARD BAIL LIFT SURFACE	TT	-----
	2.06	ALIGNMENT OF TABS ON BLANK WITH CODE AND CARD SUPPORT BARS	TT	-----
	2.07	CLEARANCE BETWEEN PULL-UP MAGNET POLE SHOE ANTISHOE ANTIFREEZE STRIPS AND CARDS	TT	-----
034-700-702 (3/0)	2.06	ENGAGEMENT OF CRANK LOCK PAWL IN CRANK LOCK BRACKET NOTCH	TT	-----
	2.07	ENGAGEMENT OF CRANK LOCK PAWL IN CRANK LOCK CAM NOTCH	TT	-----
	2.08	CRANK LOCK PAWL SPRING TENSION	TT	-----
	2.09	CLEARANCE BETWEEN CRANK LOCK PAWL AND CAM	TT	-----
	2.10	CRANK LOCK MAGNET ARMATURE ENDPLAY	TT	-----
	2.11	CLEARANCE BETWEEN BOTTOM CORNERS OF THE ARMATURE AND FRAME LUGS	TT	-----
	2.12	CLEARANCE BETWEEN THE HOLD-DOWN PLUNGER ADJUSTING NUT AND BRACKET	TT	-----
	2.13	HOLD-DOWN PLUNGER PRESSURE	TT	-----
	2.14	OPERATION OF CONTROL SHAFT MICRO SWITCHES	TT	-----
	2.15	OPERATION OF UPPER CARD GUIDE BAR OFF-NORMAL MICRO SWITCH	TT	-----
	2.16	UPPER CARD GUIDE BAR SPRING TENSION	TT	-----
	2.17	UPPER CARD GUIDE BAR OPERATING PLUNGER SPRING TENSION	TT	-----
	2.21	CARD BAIL ENDPLAY	TT	-----
	2.22	CARD BAIL SPRING TENSION	TT	-----
	2.23	OPERATION OF CARD BAIL MICRO SWITCHES (CL1 TO CL4)	TT	-----
	2.24	CONNECTION OF CONNECTOR TERMINAL TO PHOTOTRANSISTOR PIN TERMINAL	TT	-----
	2.25	MULTICONTACT CONNECTOR ASSEMBLY MOUNTING SPRING TENSION	TT	-----
	2.26	CONDITION OF LENS SURFACES	TT	-----
	2.27	POSITION OF LENS HOLDER	TT	-----
	2.28	FREEDOM OF MOVEMENT OF LENS HOLDER	TT	-----
	2.29	ALIGNMENT OF LENS IN LENS HOLDER	TT	-----
2.30	POSITION OF PROJECTION LAMP FILAMENT	TT	-----	
2.31	CHOPPER DISC CLEARANCE	TT	-----	
2.32	FREEDOM OF ROTATION OF MOTOR & CHOPPER DISCS	TT	-----	
2.33	OPERATION OF KS-15609 MOTOR (CHOPPER DISC MOTOR)	TT	-----	
2.34	CONDITION OF MIRROR SURFACES	TT	-----	
2.35	FREEDOM OF MOVEMENT OF MIRROR	TT	-----	
2.36	POSITION OF MIRROR	TT	-----	
034-700-703 (6/2)	2.04	ARMATURE AIRGAP	TT	-----
	2.05	ARMATURE ARM ENDPLAY	TT	-----
	2.06	CLEARANCE BETWEEN ARMATURE & MAGNET FRAME	TT	-----

034-700-703 (6/2)	2.07	ARMATURE ARM SPRING TENSION	TT	-----
	2.08	CONTACT ALIGNMENT (LATCH ASSEMBLY)	TT	-----
	2.09	SPRING TANG POSITION	TT	-----
	2.10	CLEARANCE BETWEEN MOVING SPRINGS AND CARD	TT	-----
	2.11	CLEARANCE BETWEEN MOVING SPRINGS AND NOTCHES IN MOVABLE CARD	TT	-----
	2.12	SPRING TENSION	TT	-----
	2.13	SEPARATION BETWEEN SPRINGS	TT	-----
	2.14	LATCH SPRING GAUGING	TT	-----
	2.15	CONTACT SEPARATION	TT	-----
	2.16	CLEARANCE BETWEEN CODE & CARD SUPPORT BARS	TT	-----
	2.17	CLEARANCE BETWEEN CODE BARS, CARD SUPPORT BARS, AND UPSTOPS	TT	-----
	2.18	CLEARANCE BET. CODE BAR OR CARD SUPPORT BAR COUPLING & SOLENOID PLUNGER STOPNUT WASHER	TT	-----
	2.19	FREEDOM OF OPERATION OF CODE AND CARD SUPPORT BARS	TT	-----
	2.19	FREEDOM OF OPERATION OF CODE AND CARD SUPPORT BARS	TT	-----
	2.20	CARD SUPPORT LIFT MAGNET ARMATURE BALANCING SPRING TENSION	TT	-----
	2.21	CARD SUPPORT LIFT MAGNET ARMATURE AIRGAP	TT	-----
	2.22	POSITION OF CARD SUPPORT LIFT MAGNET ARM	TT	-----
	2.23	ARMATURE ENDPLAY	TT	-----
	2.24	CLEARANCE OF ARMATURES WITH MAGNET FRAME AND MAGNET SEPARATOR BLOCK	TT	-----
	2.25	CLEARANCE BETWEEN CARD SUPPORT LIFT MAGNET ARMATURE STOP AND ARMATURE BRACKET	TT	-----
	2.26	POSITION OF OFF-NORMAL CONTACT SPRINGS ON CODE AND CARD SUPPORT BARS	TT	-----
	2.27	CONTACT ALIGNMENT (CODE AND CARD SUPPORT BAR OFF-NORMAL CONTACT SPRING ASSEMBLY)	TT	-----
	2.28	CONTACT PRESSURE	TT	-----
	2.29	CLOSURE OF CODE AND CARD SUPPORT BAR OFF-NORMAL CONTACTS	TT	-----
	2.30	SELECTOR REMOVAL MICRO SWITCH OPERATOR	TT	-----
	2.31	ELECTRICAL REQUIREMENTS	TT	-----