

POWER SYSTEMS  
EQUIPMENT TEST LIST  
FOR  
MOTORS AND DYNAMOTORS

SEE SECTION 010-300-011 FOR EQUIPMENT TEST LIST INSTRUCTION

## EQUIPMENT TEST LIST

B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
159-705-701	3		16A DRIVES			
		2.02	Lubrication			
		a	Ball Bearings	MW	24M	
		b	Gear Teeth	MW	24M	
159-706-701	3		16C AND D-78675 DRIVES			
		2.02	Lube Ball Bearings	MW	24M	
159-720-701	5		FRICION ROLL			
& ADDENDUM	1		DRIVES			
		2.01	Friction Rolls Clean and Wax	MW	12M	
		2.02	Cases and Bearings Lubrication	MW	24M	
		2.05	Inspect for Leaks	MW	24M	
		2.07	Check Oil Closure Leakage	MW	12M	
		2.09	Inspect Rolls-Gearing and Worm for Freedom of Operation	MW	24M	
		2.18	Check Alarm Mechanism—Run and Stop Operation thru Position of Arms With Motor Stopped (2.29)	MW	24M	
159-725-701	3		GEAR REDUCTION DRIVES—HORIZONTAL SHAFTS AND ASSOCIATED BEARINGS			
		2.02	Inspect Gear Cases and Bearings for Leaks	MW	12M	
		2.04	Drive Lubrication			
			Operating with KS-2245 Oil	MW	24M	
			Operating with KS-16326 Oil	MW	60M	
			Operating with Mixture of KS-2245 and KS-16326 Oil	MW	24M	
		2.19-	Check Alarm Mechanism	MW	12M	
		2.30				
		2.31	Lubricate Shaft Bearings			
			Operating with KS-2245 Oil	MW	24M	
			Operating with KS-16326 Oil	MW	60M	
			Operating with a Mixture of KS-2245 and KS-16326 Oil	MW	24M	
		2.33	Lubricate 2-Type Shaft Couplings	MW	24M	
		2.34	Lubricate No. 10A Shaft Couplings	MW	12M	
159-735-701	6		VERTICAL DRIVE SHAFTS AND			
& ADDENDUM	1		ASSOCIATED APPARATUS			
		2.02	Lubrication of Bearings and Couplings	MW	48M	

## EQUIPMENT TEST LIST

B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
159-410-701	2		(Cont)			
			(WITH DIRECT CONNECTED EXCITERS)			
		2.01	Lubrication			
		a-c	Check Oil Level	MW	M	
		d	Replace Oil	MW	24M	
		2.03	Bearing Linings	MW	12M	
		2.05	Clean & Inspect Brush Holders & Brushes	MW	3M	
		2.12	Clean & Inspect Commutator & Collector Rings	MW	3M	
		2.14	Check Exciter Rheostat Setting	MW	3M	
		2.15	Check Rotating Parts	MW	12M	
		2.16	Check Noise & Vibration	MW	12M	
		2.17	Check Temperature	MW	3M	
159-413-701	2		DRIVE MOTOR—1/50 HP DC (USED WITH			
			DISTRIBUTORS & 155-TYPE INTERRUPTERS			
		3.1	Lubricate Bearings	MW	6M	
		3.15	Clean & Relubricate Bearings	MW	18M	
		3.21	Clean & Inspect Brush Holders, Brushes	MW	3M	
			& Windings			
		3.214	Clean & Inspect Commutator	MW	3M	
		3.221	Clean Regulator Housing	MW	M	
		3.231	Disassemble & Clean Motor	MW	18M	
		3.3	Inspect Speed Regulator	MW	3M	
159-414-701	2		DRIVE MOTOR KS-5196 DC 1/60 HP (USED WITH			
			DISTRIBUTORS & 155-TYPE INTERRUPTERS)			
		3.221	Lubricate Bearings	MW	6M	
		3.224	Clean & Relubricate Bearings	MW	18M	
		3.212	Clean & Inspect Speed Regulator	MW	M	
		3.213	Disassemble & Clean Motor	MW	18M	
		3.31	Clean & Inspect Commutator Brush Holders,	MW	3M	
			Brushes, & Windings			
159-416-701	2		DC MOTORS KS-5072, 51092 & 5224 (1/8 &			
			1/10 HP—USED WITH INTERRUPTERS & TEST FRAMES)			
		2.01	Lubricate Bearings	MW	36M	
		2.02	Check Rotating Parts	MW	12M	
		2.04	Check Noise & Vibration	MW	12M	
		2.06	Clean & Inspect Commutator & Collector Rings	MW	3M	
		2.08	Clean & Inspect Brush Holders & Brushes	MW	3M	

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B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
159-416-701	2		(Cont)			
		2.10	Inspect Speed Regulator	MW	3M	
		2.11	Check Temperature	MW	3M	
159-418-701	2		UNIT DRIVE MOTOR KS-5375 1/8 HP AC (USED IN PANEL OFFICES)			
		3.32	Lubricate Bearings	MW	2W	
		3.34	Clean & Relubricate Bearings	MW	12M	
		3.211	Clean the Motor	MW	3M	
		3.221	Disassemble & Clean Motor	MW	12M	
159-420-701	2		DC DRIVE MOTORS KS-5388 1/8/ HP (TEST FRAME MOTORS PANEL OFFICES)			
		3.02	Clean & Inspect Speed Regulator	MW	3M	
		3.031	Clean the Motor	MW	3M	
		3.032	Clean & Inspect Commutator, Brush Holders, & Brushes	MW	3M	
			Clean Speed Regulator Housing	MW	3M	
		3.033	Clean & Inspect Speed Regulator	MW	3M	
		3.034	Disassemble & Clean Motor	MW	18M	
		3.042	Lubricate Bearings	MW	6M	
		3.045	Clean & Relubricate Bearings	MW	18M	
159-422-701	1		AC POWER FAILURE CONTROL MOTOR (KS-5394)			
		2.01	Clean & Inspect Contact Surfaces	MW	3M	
		2.02	Brush Holder Clearance	MW	3M	
		2.03	Check Brush Length, Pressure & Fit	MW	3M	
		2.07	Check Temperature	MW	3M	
159-424-701	5		AC-DC DUPLEX MOTORS (KS-5407, 5020, 5021 & 5440)			
		2.01	Lubrication	MW	24M	
		2.02	Check Bearings and All Rotating Parts	MW	6M	
		2.04	Check Brush Clearance, Length, & Fit	MW	24M	
		2.08	Clean & Inspect Commutator	MW	24M	
		2.11	Check End Play	MW	6M	
		2.12	Check Noise & Vibration	MW	6M	
		2.13	Check Temperature	MW	6M	
		2.14	Check Transfer Relay Contact Thickness, Surfaces, & Pressure	MW	24M	
		2.19	Check Operation of Transfer Relay	MW	6M	
159-426-701	5		KS-5559 GEAR MOTOR—REVERSIBLE TYPE			

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159-426-701	5		(Cont)			
		2.01	Lubrication			
			Eicor Motors (KS-5559 List 1)			
		(a)	Motor Bearings	MW	12M	
		(b)	Repack Gear Case	MW	36M	
			Holtzer-Cabot & Borg Motors			
		c	Gear Case	MW	12M	
		d	Sleeve Bearings	MW	12M	
		e	Unsealed Ball Bearings	MW	36M	
		2.03	Inspect for Noise & Vibration	MW	3M	
		2.05	Check Temperature	MW	3M	
159-428-701	2		KS-5748 MOTOR (USED IN KS-13834-01			
& ADDENDUM	1		PERFORATOR FOR THE AUTOMATIC TROUBLE RECORDER)			
		2.01	Lubrication	MW	36M	
		2.02	Check Bearings & Freedom of Rotation	MW	12M	
		2.04	Check Noise & Vibration	MW	12M	
		2.06	Clean & Inspect the Commutator	MW	3M	
		2.08	Clean & Inspect Brush Holders & Brushes	MW	3M	
		2.09	Check Temperature	MW	3M	
159-429-701	1		KS-5753 MOTOR (AC—1/50 HP)			
		2.02	Check Rotating Parts	MW	6M	
		2.06	CHeck Noise & Vibration	MW	6M	
		2.08	Check Temperature	MW	6M	
159-431-701	2		KS-5773 MOTOR (AC—1/20 HP)			
		2.01	Lubrication	MW	12M	
		2.02	Check Rotating Parts	MW	6M	
		2.05	Check Noise & Vibration	MW	6M	
		2.07a	Check Starting Switch	MW	6M	
		2.08	Check Temperature	MW	6M	
159-432-701	1		KS-5777 MOTOR & KS-5778 SPEED REGULATOR			
			(DC—USED IN AMA TAPE REELERS)			
		2.01	Lubrication	MW	36M	
		2.02	Check Rotating Parts	MW	3M	
		2.05	Check Noise & Vibration	MW	6M	
		2.07	Clean & Inspect Commutator & Collector Rings	MW	3M	
		2.09	Clean & Inspect Brush Holders & Brushes	MW	3M	
		2.10	Check Speed Regulator Contacts	MW	3M	

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B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
159-432-701	1		(Cont)			
		2.11	Check Temperature	MW	3M	
159-440-701	6		OUTPUT MOTOR DRIVE UNIT—ED40263-71			
			GROUPS 1, 2, & 3			
		2.01	Clean Drive Wheel	MW	3M	
		2.02	Lubrication			
			Micro Switch Roller Bearing (Group 1)	MW	6M	
			Cam Bearings (Group 1)	MW	6M	
			Latch Bearing	MW	6M	
			Felt Friction Discs	MW	6M	
			Gear Case	MW	24M	
			Motor Bearings (Bodine B-2258E-24 Motor Only)	MW	24M	
		2.04	Clutch friction	MW	6M	
		2.05	Latch Freedom of Movement	MW	6M	
		2.06	Latch Disengagement, Group 1 & Group 2	MW	6M	
		2.07	Movement of Latch Arm & Cam Assembly	MW	6M	
		2.08	Freedom of Slack Tape Arm	MW	6M	
		2.09	Freedom of Cam Assembly	MW	6M	
		2.11	Check Micro Switch Position (P-330892)	MW	6M	
			Check Micro Switch Position (ISMI)	MW	6M	
		2.12	Check Wheel & Slack Tape Arm	MW	6M	
159-441-701	2		OUTPUT MOTOR DRIVE UNIT—ED40026-01 GROUPS 1 & 2			
		2.01	Clean Drive Wheel	MW	3M	
		2.02	Lubrication			
			Felt Friction Discs	MW	M	
			Latch Bearing	MW	M	
			Gear Housing	MW	12M	
			Shaft Bearings	MW	12M	
			Shaft Seal	MW	12M	
			Rear Motor Bearing	MW	12M	
		2.03	Clutch Tension	MW	M	
		2.05	Check Latch Freedom, Alignment, & Disengagement	MW	6M	
159-441-702	2		OUTPUT MOTOR DRIVE UNIT—ED40026-01 GROUP 3			
		2.01	Clean Drive Wheel	MW	3M	
		2.02	Lubrication			
			Micro Switch Roller Bearing	MW	6M	

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B.S.P.	I S S	TEST OR REQT.	EQUIPMENT AND WORK DESCRIPTION	CLASS	FREQ.	JOB NO.
159-441-702	2		(Cont)			
			<i>Cam Bearings</i>	<i>MW</i>	<i>6M</i>	
			<i>Latch Bearing</i>	<i>MW</i>	<i>6M</i>	
			<i>Felt Friction Discs</i>	<i>MW</i>	<i>6M</i>	
			<i>Shaft Oil Seal</i>	<i>MW</i>	<i>12M</i>	
			<i>Gear Case</i>	<i>MW</i>	<i>6M</i>	
			<i>Rear Motor Bearing</i>	<i>MW</i>	<i>12M</i>	
		2.04	<i>Clutch Tension</i>	<i>MW</i>	<i>6M</i>	
		2.05	<i>Latch Operation</i>	<i>MW</i>	<i>6M</i>	
		2.08	<i>Freedom of Slack Tape Arm &amp; Cam Assembly</i>	<i>MW</i>	<i>6M</i>	
		2.10	<i>Latch Clearance of Stop Cam</i>	<i>MW</i>	<i>6M</i>	
		2.11	<i>Micro Switch Position</i>	<i>MW</i>	<i>6M</i>	
		2.12	<i>Slack Tape Arm Position</i>	<i>MW</i>	<i>6M</i>	
159-442-701	1		INPUT MOTOR DRIVE UNIT ED40027-01 G1			
			(FOR TAPE READERS)			
		2.01	<i>Clean Roller &amp; Drum Assemblies</i>	<i>MW</i>	<i>3M</i>	
		2.02	<i>Lubrication</i>			
			<i>Motor Bearings</i>	<i>MW</i>	<i>12M</i>	
			<i>Motor Gear Reduction Drive</i>	<i>MW</i>	<i>12M</i>	
			<i>Drum Shaft Bearings</i>	<i>MW</i>	<i>3M</i>	
			<i>Drum Bearings</i>	<i>MW</i>	<i>3M</i>	
			<i>Felt Friction Disc</i>	<i>MW</i>	<i>3M</i>	
			<i>Pressure Roller Bearings</i>	<i>MW</i>	<i>3M</i>	
			<i>Trip Arm Bearing</i>	<i>MW</i>	<i>3M</i>	
			<i>Latch</i>	<i>MW</i>	<i>3M</i>	
			<i>Roller Cam Surfaces</i>	<i>MW</i>	<i>3M</i>	
		2.04	<i>Clutch Tension</i>	<i>MW</i>	<i>3M</i>	
		2.05	<i>Pressure of Roller on Drum</i>	<i>MW</i>	<i>6M</i>	
		2.06	<i>Latch Disengagement, Freedom, &amp; Alignment</i>	<i>MW</i>	<i>6M</i>	
159-443-701	6		INPUT MOTOR DRIVE UNIT—ED40218-70 GROUPS			
			1, 2, 3, & 4 & ED40301-70, GROUP 1			
		2.01	<i>Clean Roller &amp; Drum Assembly</i>	<i>MW</i>	<i>3M</i>	
		2.02	<i>Lubrication</i>	<i>MW</i>	<i>3M</i>	
			<i>Motor Bearings</i>	<i>MW</i>	<i>3M</i>	
			<i>Speed Reducer</i>	<i>MW</i>	<i>3M</i>	
			<i>Drum Shaft Bearing</i>	<i>MW</i>	<i>3M</i>	
			<i>Drum Bearing</i>	<i>MW</i>	<i>3M</i>	

