

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE BENDIX PARTS LIST

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(Oct. 1, 1937)

INTRODUCTION

In this and subsequent issues revising and bring up-to-date our "Auto-Lite Bendix Parts Lists" we are separating the various Bendix drive assemblies into three classifications. These classifications include standard type, barrel type and compression type. We believe these sub divisions will make it easier to locate the information wanted and will at the same time facilitate keeping this information up-to-date.

In numbering the pages each section begins with page 1 and has a letter preceding the page number. The letter "A" applies to the section covering standard type Bendix, the letter "B" applies to barrel type Bendix while the letter "C" applies to compression type Bendix.

After having had a chance to use this Bendix information we will be interested in hearing from our Service Stations as to how they like this new arrangement and any suggestions they may have for its possible improvement.

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE BENDIX PARTS LIST STANDARD TYPE

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Assembly A-L No. EB	EB-1 S12 & AT-5G	EB-3 R-13	EB-4 L13	EB-5 R12	EB-5K R11-12	EB-6 L12	EB-6K L11-12
Driving Head	EB-103 AT-5G	EB-303 R13-105	EB-303 R13-105	EB-603 R12-105	EB-2303 SR10-105	EB-603 R12-105	EB-2303 SR10-105
Driving Spring	EB-105 R13-6	EB-105 R13-6	EB-205 L13-6	EB-505 R12-6	EB-2305 R10-6	EB-605 L12-6	EB-2805 L10-6
Shaft Spring Screw	EB-106 R13-9	EB-307 R13-7	EB-307 R13-7	EB-507 R12-7	EB-507 R12-7	EB-507 R12-7	EB-507 R12-7
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8
Hd. Sp. Bolt or Sc.	EB-106 R13-9	EB-106 R13-9	EB-106 R13-9	EB-506 R12-9	EB-2306 SR10-109	EB-506 R12-9	EB-2306 SR10-109
Spring Bolt Nut	EB-117 R13-10*	EB-117 R13-10	EB-117 R13-10	EB-517 R12-10		EB-517 R12-10	
Compression Sleeve		EB-319 R13-112	EB-319 R13-112	EB-619 R12-112	EB-2319S R11-112R	EB-619 R12-112	EB-2319S R11-112R
Comp. Sleeve Spring (2 Used)		EB-1720 R13-113	EB-1720 R13-113	EB-1720 R13-113		EB-1720 R13-113	
Spring Support Clip							
S-A Assembly	EB-1111 S12-SA	EB-1311 R13-SA	EB-1411 L13-SA	EB-1501 R12-SA	EB-1511 R11-12-SA	EB-1601 L12-SA	EB-1611 L11-12SA

* 2 Used.

Assembly A-L No. EB	EB-8 L12-14T 10/12P	EB-9 S13 & AT-5G	EB-11 S12 & AT-5H	EB-13 R13X	EB-14 L13X	EB-15 S13 & AT-5H	EB-17 R13X & AT-105
Driving Head	EB-503 R12-5	EB-103 AT-5G	EB-1103 AT-5H	EB-303 R13-105	EB-303 R13-105	EB-1103 AT-5H	EB-1703 AT-105
Driving Spring	EB-605 L12-6	EB-105 R13-6	EB-105 R13-6	EB-1305 R13-6X	EB-1405 L13-6X	EB-105 R13-6	EB-1305 R13-6X
Shaft Spring Screw	EB-507 R12-7	EB-106 R13-9	EB-106 R13-9	EB-1307 R13-7X	EB-1307 R13-7X	EB-106 R13-9	EB-1307 R13-7X
Lock Washer (2 Used)	EB-508 R12-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-506 R12-9	EB-106 R13-9	EB-106 R13-9	EB-1306 R13-9X	EB-1306 R13-9X	EB-106 R13-9	EB-1306 R13-9X
Spring Bolt Nut	EB-517 R12-10	EB-117 R13-10*	EB-117 R13-10*	EB-117 R13-10	EB-117 R13-10	EB-117 R13-10*	EB-117 R13-10
Compression Sleeve				EB-319 R13-112	EB-319 R13-112		EB-1719 AT-112
Comp. Sleeve Spring (2 Used)				EB-1720 R13-113	EB-1720 R13-113		EB-1721 AT-113
Spring Support Clip							
S-A Assembly	EB-2611 L12-SA 14T 10/12P	EB-1911 S13-SA	EB-1111 S12-SA	EB-1311 R13-SA	EB-1411 L13-SA	EB-1911 S13-SA	EB-1311 R13-SA

* 2 Used.

THE FIRST NUMBER IN EACH SPACE IS
AUTO-LITE AND THE SECOND IS ECLIPSE BENDIX

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

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Assembly A-L No. EB	EB-20 L12-13	EB-21 R10	EB-22 L10	EB-23 SR10	EB-24 L11X-10T 7/9P Spc.	EB-26 L13X & AT-205	EB-27 R11
Driving Head	EB-503 R12-5	EB-2203 R10-105	EB-2203 R10-105	EB-2303 SR10-105	EB-2403 R11-105N	EB-2603 AT-205	EB-2303 SR10-105
Driving Spring	EB-605 L12-6	EB-2305 R10-6	EB-2305 L10-6	EB-2305 R10-6	EB-2405 L11-6X	EB-1405 L13-6X	EB-2305 R10-6
Shaft Spring Screw	EB-507 R12-7	EB-507 R12-7	EB-507 R12-7	EB-507 R12-7	EB-2407 R11-7X	EB-1307 R13-7X	EB-507 R12-7
Lock Washer (2 Used)	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-108 R13-8	EB-508 R12-8
Hd. Sp. Bolt or Sc.	EB-506 R12-9	EB-2206 R10-109	EB-2206 R10-109	EB-2306 SR10-109	EB-2406 R11-109X	EB-1306 R13-9X	EB-2306 SR10-109
Spring Bolt Nut	EB-517 R12-10					EB-117 R13-10	
Compression Sleeve		EB-2219S R10-112R	EB-2219S R10-112R	EB-2319S R11-112R	EB-2319S R11-112R	EB-1719 AT-112	EB-2319S R11-112R
Comp. Sleeve Spring (2 Used)						EB-1721 AT-113	
Spring Support Clip (2 Used)					EB-2622 L11-21		
S-A Assembly	EB-2011 L12-13-SA	EB-2111 R10-SA	EB-2211 L10-SA	EB-2311 SR10-SA	EB-2411 L11X-10ASA	EB-1411 L13-SA	EB-2711 R11-SA

Assembly A-L No. EB	EB-28 L11	EB-29 SR10X- 11T	EB-31 R11X	EB-32 L11X	EB-33 R11X-13T	EB-34 L11X-12T
Driving Head	EB-2303 SR10-105	EB-2303 SR10-105	EB-2303 SR10-105	EB-2303 SR10-105	EB-2303 SR10-105	EB-2303 SR10-105
Driving Spring	EB-2805 L10-6	EB-3105 R11-6X	EB-3105 R11-6X	EB-2405 L11-6X	EB-3105 R11-6X	EB-2405 L11-6X
Shaft Spring Screw	EB-507 R12-7	EB-2407 R11-7X	EB-2407 R11-7X	EB-2407 R11-7X	EB-2407 R11-7X	EB-2407 R11-7X
Lock Washer (2 Used)	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8
Hd. Sp. Bolt or Sc.	EB-2306 SR10-109	EB-2406 R11-109X	EB-2406 R11-109X	EB-2406 R11-109X	EB-2406 R11-109X	EB-2406 R11-109X
Spring Bolt Nut						
Compression Sleeve	EB-2319S R11-112R	EB-2319S R11-112R	EB-2319S R11-112R	EB-2319S R11-112R	EB-2319S R11-112R	EB-2319S R11-112R
Comp. Sleeve Spring						
Spring Support Clip (2 Used)		EB-2322 R11-21	EB-2322 R11-21	EB-2622 L11-21	EB-2322 R11-21	EB-2622 L11-21
S-A Assembly	EB-2811 L11-SA	EB-2911 SR10-11-SA	EB-3111 R11X-SA	EB-3211 L11X-SA	EB-3311 R11X-13-SA	EB-3411 L11X-12-SA

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Assembly A-L No. EB	EB-35 L11XV	EB-36 LC-10Z	EB-37 R11X-L	EB-38 R10-XDL	EB-39 R11-13T	EB-40 BMR-13	EB-41 L11-13
Driving Head	EB-2303 SR10-105	EB-2203 R10-105	EB-2303 SR10-105	EB-2303 SR10-105	EB-2303 SR10-105	Furnished completely rebuilt.	EB-2303 SR10-105
Driving Spring	EB-2405 L11-6X	EB-2805 L10-6	EB-3105 R11-6X	EB-3105 R11-6X	EB-2305 R10-6		EB-2805 L10-6
Shaft Spring Screw	EB-2407 R11-7X	EB-507 R12-7	EB-2407 R11-7X	EB-2407 R11-7X	EB-507 R12-7		EB-507 R12-7
Lock Washer (2 Used)	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8		EB-508 R12-8
Hd. Sp. Bolt or Sc.	EB-2406 R11-109X	EB-2206 R10-109	EB-2406 R11-109X	EB-2406 R11-109X	EB-2306 SR10-109		EB-2306 SR10-109
Spring Bolt Nut							
Compression Sleeve	EB-2319S R11-112R	EB-2219S R10-112R	EB-2319S R11-112R	EB-2319S R11-112R	EB-2319S R11-112R		EB-2319S R11-112R
Comp. Sleeve Spring							
Spring Support Clip (2 Used)	EB-2622 L11-21		EB-2322 R11-21	EB-2322 R11-21			
S-A Assembly	EB-3511 L11-XV-SA	EB-3611 LC-10Z-SA	EB-3711 R11X-LSA	EB-3811 R10-XD-LSA	EB-3911 R11-13-SA		EB-4111 L11-13-SA

Assembly A-L No. EB	EB-42 R11X-12	EB-43 R10X-with R10-109XF	EB-44 R10-XD	EB-45 †† RC13XXX .747 Hd.	EB-45A RC13XXX .747 Hd. 2 5/16" Ctw.	EB-46 BML-13
Driving Head	EB-2303 SR10-105	EB-2203 R10-105	EB-2303 SR10-105	EB-4503 RC13XXX-5	EB-4503 RC13XXX-5	Furnished completely rebuilt.
Driving Spring	EB-3105 R11-6X	EB-3105 R11-6X	EB-3105 R11-6X	EB-4505 RC13XXX-6	EB-4505 RC13XXX-6	
Shaft Spring Screw	EB-2407 R11-7X	EB-2407 R11-7X	EB-2407 R11-7X	EB-4507 RC13XXX-7	EB-4507 RC13XXX-7	
Lock Washer (2 Used)	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-108 R13-8	EB-108 R13-8	
Hd. Sp. Bolt or Sc.	EB-2406 R11-109X	EB-4306 R10-109XF	EB-2406 R11-109X	EB-4506 RC13XXX-9	EB-4506 RC13XXX-9	
Spring Bolt Nut						
Pinion Back Stop				EB-4515 RC13XXX-1A	EB-4515 RC13XXX-1A	
Pinion Back Stop Sc.				EB-4516 RC13XXX-1B	EB-4516 RC13XXX-1B	
Compression Sleeve	EB-2319S R11-112R	EB-2219S R10-112R	EB-2319S R11-112R	EB-4519S R13K-112R	EB-4519S R13K-112R	
Comp. Sleeve Spring						
Spring Support Clip (2 Used)	EB-2322 R11-21	EB-2322 R11-21	EB-2322 R11-21			
S-A Assembly	EB-4211 R11X-12-SA	EB-4311 R10X-SA	EB-4411 R10XD-SA	EB-4511 RC13XXX KSA	EB-4511A RC13XXX-KSA 2 5/16" Ctw.	

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†† NOTE:- When replacing EB-45 or EB-47 complete assembly use EB-45A or EB-47A respectively.

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Assembly A-L No. EB	EB-47 †† LC13XXX .747 Hd.	EB-47A LC13XXX .747 Hd. 2 5/16" Ctwt.	EB-47B LC13XXX .747 Hd.	EB-48 R11XV	EB-49 R11-10	EB-50 REF-C-11
Driving Head	EB-4503 RC13XXX-5	EB-4503 RC13XXX-5	Same as EB-47 except special keyway staking.	EB-2303 SR10-105	EB-2303 SR10-105	Furnished completely rebuilt.
Driving Spring	EB-4705 LC13XXX-6	EB-4705 LC13XXX-6		EB-3105 R11-6X	EB-2305 R10-6	
Shaft Spring Screw	EB-4507 RC13XXX-7	EB-4507 RC13XXX-7		EB-2407 R11-7X	EB-507 R12-7	
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8		EB-508 R12-8	EB-508 R12-8	
Hd. Sp. Bolt or Sc.	EB-4506 RC13XXX-9	EB-4506 RC13XXX-9		EB-2406 R11-109X	EB-2306 SR10-109	
Spring Bolt Nut						
Pinion Back Stop	EB-4515 RC13XXX-1A	EB-4515 RC13XXX-1A				
Pinion Back Stop Sc.	EB-4516 RC13XXX-1B	EB-4516 RC13XXX-1B				
Compression Sleeve	EB-4519S R13K-112R	EB-4519S R13K-112R		EB-2319S R11-112R	EB-2319S R11-112R	
Comp. Sleeve Spring						
Spring Support Clip (2 Used)			EB-2322 R11-21			
S-A Assembly	EB-4711 LC13XXX-KSA	EB-4711A LC13XXX-KSA 2 5/16" Ctwt.	EB-4811 R11XV-SA	EB-4911 R11-10-SA		

Assembly A-L No. EB	EB-51 L11X-13	EB-52 L13-MX	EB-53 R13-MX	EB-54 L10-9	EB-55 L11X-10	EB-56 L10-XD
Driving Head	EB-2303 SR10-105	EB-5203 R13M-105	EB-5203 R13M-105	EB-22 03 R10-105	EB-2303 SR10-105	EB-2303 SR10-105
Driving Spring	EB-2405 L11-6X	EB-1405 L13-6X	EB-1305 R13-6X	EB-2805 L10-6	EB-2405 L11-6X	EB-2405 L11-6X
Shaft Spring Screw	EB-2407 R11-7X	EB-1307 R13-7X	EB-1307 R13-7X	EB-507 R12-7	EB-2407 R11-7X	EB-2407 R11-7X
Lock Washer (2 Used)	EB-508 R12-8	EB-108 R13-8	EB-108 R13-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8
Hd. Sp. Bolt or Sc.	EB-2406 R11-109X	EB-5206 R13XX-9	EB-5206 R13XX-9	EB-2206 R10-109	EB-2406 R11-109X	EB-2406 R11-109X
Spring Bolt Nut						
Pinion Back Stop						
Pinion Back Stop Sc.						
Compression Sleeve	EB-2319S R11-112R	EB-5219S R13M-112R	EB-5219S R13M-112R	EB-2219S R10-112R	EB-2319S R11-112R	EB-2319S R11-112R
Comp. Sleeve Spring						
Spring Support Clip (2 Used)	EB-2622 L11-21				EB-2622 L11-21	EB-2622 L11-21
S-A Assembly	EB-5111 L11X-13- SA	EB-5211 L13M-SA	EB-5311 R13M-SA	EB-5411 L10-9-SA	EB-5511 L11X-10-SA	EB-5611 L10-XD-SA

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†† NOTE:- When replacing EB-45 or EB-47 complete assembly use EB-45A or EB-47A respectively.

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Assembly A-L No. EB	EB-58 RB11-XX	EB-59 RB11XX-13	EB-60 LB11XX-13	EB-61 LCC10-9	EB-62 R10D-9	EB-63 R10-D
Driving Head	EB-5903 RB11-105	EB-5903 RB11-105	EB-5903 RB11-105	EB-2203 R10-105	EB-2303 SR10-105	EB-2303 SR10-105
Driving Spring	EB-5905 RB11XX-6	EB-5905 RB11XX-6	EB-6005 LB11XX-6	EB-2805 L10-6	EB-2305 R10-6	EB-2305 R10-6
Shaft Spring Screw	EB-5907 R11XX-7	EB-5907 R11XX-7	EB-5907 R11XX-7	EB-507 R12-7	EB-507 R12-7	EB-507 R12-7
Lock Washer (2 Used)	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8
Hd. Sp. Bolt or Sc.	EB-5906 R11XX-109	EB-5906 R11XX-109	EB-5906 R11XX-109	EB-2206 R10-109	EB-2306 SR10-109	EB-2306 SR10-109
Spring Bolt Nut						
Compression Sleeve	EB-2319S R11-112R	EB-2319S R11-112R	EB-2319S R11-112R	EB-2219S R10-112R	EB-2319S R11-112R	EB-2319S R11-112R
Comp. Sleeve Spring						
Spring Support Clip (2 Used)	EB-2322 R11-21	EB-2322 R11-21	EB-2622 L11-21			
S-A Assembly	EB-3111 R11X-SA	EB-3311 R11X-13-SA	EB-5111 L11X-13-SA	EB-6111 LCC10-9-SA	EB-6211 R10D-9-SA	EB-6311 R10D-SA

Assembly A-L No. EB	EB-64 R11X-10	EB-69 L10-FA	EB-70 LB11XX	EB-72 LC11X-10	EB-73 RC13XXX-15
Driving Head	EB-2303 SR10-105	EB-2203 R10-105	EB-5903 RB11-105	EB-2303 SR10-105	EB-4503 RC13XXX-5
Driving Spring	EB-3105 R11-6X	EB-2805 L10-6	EB-6005 LB11XX-6	EB-2405 L11-6X	EB-4505 RC13XXX-6
Shaft Spring Screw	EB-2407 R11-7X	EB-507 R12-7	EB-5907 R11XX-7	EB-2407 R11-7X	EB-4507 RC13XXX-7
Lock Washer (2 Used)	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-2406 R11-109X	EB-2206 R10-109	EB-5906 R11XX-109	EB-2406 R11-109X	EB-4506 RC13XXX-9
Spring Bolt Nut					
Pinion Back Stop					EB-4515 RC13XXX-1A
Pinion Back Stop Sc.					EB-4516 RC13XXX-1B
Compression Sleeve	EB-2319S R11-112R	EB-2219S R10-112R	EB-2319S R11-112R	EB-2319S R11-112R	EB-4519S R13K-112R
Comp. Sleeve Spring					
Spring Support Clip (2 Used)	EB-2322 R11-21		EB-2622 L11-21	EB-2622 L11-21	
S-A Assembly	EB-6411 R11X-10-SA	EB-6911 L10FA-SA	EB-3211 L11X-SA	EB-7211 LC11X-10-SA	EB-7311 RC13XXX-15-KSA

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Assembly A-L No. EB	EB-75 RB10XXT-D	EB-76 RC11-10	EB-77 RB11XX-12	EB-78 Not in production	EB-80 R10XD-9	EB-82 L11FX-10
Driving Head	EB-5903 RB11-105	EB-2303 SR10-105	EB-5903 RB11-105		EB-2303 SR10-105	EB-8503 R11F-5
Driving Spring	EB-5905 RB11XX-6	EB-2305 R10-6	EB-5905 RB11XX-6		EB-3105 R11-6X	EB-7805 L11F-6X
Shaft Spring Sc.	EB-5907 R11XX-7	EB-507 R12-7	EB-5907 R11XX-7		EB-2407 R11-7X	EB-7807 R11F-7X
Lock Washer (2 Used)	EB-508 R12-8	EB-508 R12-8	EB-508 R12-8		EB-508 R12-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-5906 R11XX-109	EB-2306 SR10-109	EB-5906 R11XX-109		EB-2406 R11-109X	EB-7806 R11F-9X
Spring Bolt Nut						
Compression Sleeve	EB-2319S R11-112R	EB-2319S R11-112R	EB-2319S R11-112R		EB-2319S R11-112R	EB-7819S R11F-12R
Comp. Sleeve Spring						
Spring Support Clip (2 Used)	EB-2322 R11-21		EB-2322 R11-21		EB-2322 R11-21	
S-A Assembly	EB-7511 R10XT-DSA	EB-7611 RC11-10-SA	EB-4211 R11X-12-SA		EB-8011 R10XD-9-SA	EB-8211 L11F-10-SA

Assembly A-L No. EB	EB-83 LCD11X-10	Use EB-86 when a complete new drive is needed.	EB-85 RC10HD	EB-86 A-1588	EB-87 RCD10FXD-9	EB-88 RB10FXXTD	EB-89 RC10FXD
Driving Head	EB-2303 SR10-105		EB-8503 R11F-5	EB-8503 R11F-5	EB-8503 R11F-5	EB-8803 RB11F-5	EB-8503 R11F-5
Driving Spring	EB-2405 L11-6X		EB-8505 R11H-6	EB-8605* L11H-6X	EB-8705 R11F-6X	EB-8805 RB11F-6XX	EB-8705 R11F-6X
Shaft Spring Sc.	EB-2407 R11-7X		EB-8507 R11F-7	EB-7807 R11F-7X	EB-7807 R11F-7X	EB-8807 R11F-7XX	EB-7807 R11F-7X
Lock Washer (2 Used)	EB-508 R12-8		EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-2406 R11-109X		EB-8506 R11F-9	EB-7806 R11F-9X	EB-7806 R11F-9X	EB-8806 R11F-9XX	EB-7806 R11F-9X
Spring Bolt Nut							
Compression Sleeve	EB-2319S R11-112R		EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R
Comp. Sleeve Spring							
Spring Support Clip (2 Used)	EB-2622 L11-21						
Take up Spring			EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120
S-A Assembly	EB-8311 LCD11X-10-SA		EB-8511 RC10FD-SA	EB-8611 F-3030	EB-8711 RCD10FD-9SA	EB-8811 RB10FTD-SA	EB-8511 RC10FD-SA

* The drive spring of this assembly has been changed from 7 turns to 6 1/2 turns.
Use the new spring when servicing.

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Assembly A-L No. EB	EB-90 LC11-10	EB-92 RB11FXX	EB-93 RB11FXX-13	EB-94 LB11FXX	EB-95 RB11FXX-12	EB-96 LB11FXX-13
Driving Head	EB-2303 SR10-105	EB-8803 RB11F-5	EB-8803 RB11F-5	EB-8803 RB11F-5	EB-8803 RB11F-5	EB-8803 RB11F-5
Driving Spring	EB-2805 L10-6	EB-8805 RB11F-6XX	EB-8805 RB11F-6XX	EB-9405 LB11F-6XX	EB-8805 RB11F-6XX	EB-9405 LB11F-6XX
Shaft Spring Sc.	EB-507 R12-7	EB-8807 R11F-7XX	EB-3307 R11F-7XX	EB-8807 R11F-7XX	EB-8807 R11F-7XX	EB-8807 R11F-7XX
Lock Washer (2 Used)	EB-508 R12-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-2306 SR10-109	EB-8806 R11F-9XX	EB-8806 R11F-9XX	EB-8806 R11F-9XX	EB-8806 R11F-9XX	EB-8806 R11F-9XX
Spring Bolt Nut						
Compression Sleeve	EB-2319S R11-112R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R
Comp. Sleeve Spring						
Spring Support Clip						
Take up Spring	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120
S-A Assembly	EB-9011 LC11-10SA	EB-9211 R11F-SA	EB-9311 R11F13-SA	EB-9411 L11F-SA	EB-9511 R11F12-SA	EB-9611 L11F13-SA

Assembly A-L No. EB	EB-97 R10FXD	EB-98 LC13XXX-15	EB-99 LCD11FX-10	EBA-1 RCD10FX-D	EBA-2 RCD11FX-10
Driving Head	EB-8503 R11F-5	EB-4503 RC13XXX-5	EB-8503 R11F-5	EB-8503 R11F-5	EB-8503 R11F-5
Driving Spring	EB-8705 R11F-6X	EB-4705 LC13XXX-6	EB-7805 L11F-6X	EB-8705 R11F-6X	EB-8705 R11F-6X
Shaft Spring Sc.	EB-7807 R11F-7X	EB-4507 RC13XXX-7	EB-7807 R11F-7X	EB-7807 R11F-7X	EB-7807 R11F-7X
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-7806 R11F-9X	EB-4506 RC13XXX-9	EB-7806 R11F-9X	EB-7806 R11F-9X	EB-7806 R11F-9X
Spring Bolt Nut					
Compression Sleeve	EB-7819S R11F-12R	EB-4519S R13K-112R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R
Pinion Back Stop		EB-4515 RC13XXX-1A			
Pinion Back Stop Sc.		EB-4516 RC13XXX-1B			
Take Up Spring	EB-8734 F-3120		EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120
S-A Assembly	EB-9711 R10FD-SA	EB-9811 LC13XXX-15KSA	EB-9911 LCD11F-10SA	EBA-111 RCD10FD-SA	EBA-211 RCD11F-10SA

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NOTE:- When servicing complete Bendix drives on MAH 12 volt starting motors which are equipped with an "Old Type" drive the "New Type" drive should be used. (See table below.) At the same time the assembly number of the starting motor must be changed to the number under "New Assy.". This change of motor assembly numbers is imperative in order that correct Bendix service parts may be had for the new Bendix Drive.

Old Type	Old Assy.	New Type	New Assy.	Old Type	Old Assy.	New Type	New Assy.
EB-59	MAH-4001	EB-93	MAH-4017	EB-58	MAH-4007	EB-92	MAH-4014
EB-60	-4002	EB-96	-4018	EB-58	-4008	EB-92	-4022
EB-59	-4003	EB-93	-4019	EB-77	-4009	EB-95	-4023
EB-58	-4004	EB-92	-4020	EB-58	-4010	EB-92	-4015
EB-58	-4005	EB-92	-4013	EB-59	-4011	EB-93	-4024
EB-70	-4006	EB-94	-4021	EB-59	-4012	EB-93	-4016

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE BENDIX PARTS LIST STANDARD TYPE

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(April 17, 1940)

Assembly A-L No. EB	EBA-3A RC13XXX-11T	EBA-4 LCD11F-10	EBA-7 R11FX-10	EBA-8 RBCD11FXX-10
Driving Head	EB-4503 RC13XXX-5	EB-8503 R11F-5	EB-8503 R11F-5	EB-8803 RB11F-5
Driving Spring	EB-4505 RC13XXX-6	EBA-405 L11F-6	EB-8705 R11F-6X	EB-8805 RB11F-6XX
Shaft Spring Sc.	EB-4507 RC13XXX-7	EB-8507 R11F-7	EB-7807 R11F-7X	EB-8807 R11F-7XX
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-4506 RC13XXX-9	EB-8506 R11F-9	EB-7806 R11F-9X	EB-8806 R11F-9XX
Spring Bolt Nut				
Compression Sleeve	EB-4519S R13K-112R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R
Pinion Back Stop	EB-4515 RC13XXX-1A			
Pinion Back Stop Sc.	EB-4516 RC13XXX-1B			
Take up Spring		EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120
S-A Assembly	EBA-311A RC13XXX-11G-KSA	EB-9911 LCD11F-10SA	EBA-711 R11F-10SA	EBA-211 RCD11F-10SA

Assembly A-L No. EB	EBA-9 LBCD11FXX-10	EBA-11 RCD11FX-13	EBA-14 RCD11F-10	EBA-16 LCD11FXV-10	EBA-17 RCD11FXV-10
Driving Head	EB-8803 RB11F-5	EB-8503 R11F-5	EB-8503 R11F-5	EB-8503 R11F-5	EB-8503 R11F-5
Driving Spring	EB-9405 LB11F-6XX	EB-8705 R11F-6X	EBA-1405 R11F-6	EB-7805 L11F-6X	EB-8705 R11F-6X
Shaft Spring Sc.	EB-8807 R11F-7XX	EB-7807 R11F-7X	EB-8507 R11F-7	EB-7807 R11F-7X	EB-7807 R11F-7X
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-8806 R11F-9XX	EB-7806 R11F-9X	EB-8506 R11F-9	EB-7806 R11F-9X	EB-7806 R11F-9X
Spring Bolt Nut					
Compression Sleeve	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R
Pinion Back Stop					
Pinion Back Stop Sc					
Take Up Spring	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120
S-A Assembly	EB-9911 LCD11F-10SA	EBA-1111 RCD11F-13SA	EBA-211 RCD11F-10SA	EBA-1611 LCD11FV-10SA	EBA-1711 RCD11FV-10SA

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE BENDIX PARTS LIST STANDARD TYPE

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Assembly A-L No. EB	EBA-18 RC13XXX-12T	EBA-19 RCD10FD-9	EBA-23 RB11FXX-10	EBA-24 RBCD11FXX-13
Driving Head	EB-4503 RC13XXX-5	EB-8503 R11F-5	EB-8803 RB11F-5	EB-8803 RB11F-5
Driving Spring	EB-4505 RC13XXX-6	EBA-1405 R11F-6	EB-8805 RB11F-6XX	EB-8805 RB11F-6XX
Shaft Spring Screw	EB-4507 RC13XXX-7	EB-8507 R11F-7	EB-8807 R11F-7XX	EB-8807 R11F-7XX
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-4506 RC13XXX-9	EB-8506 R11F-9	EB-8806 R11F-9XX	EB-8806 R11F-9XX
Spring Bolt Nut				
Compression Sleeve	EB-4519S R13K-112R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R
Pinion Back Stop	EB-4515 RC13XXX-1A			
Pinion Back Stop Sc.	EB-4516 RC13XXX-1B			
Take up Spring		EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120
S-A Assembly	EBA-1811 RC13XXX-12GKSA	EB-8711 RCD10FD-9SA	EBA-711 R11F-10SA	EBA-1111 RCD11F-13SA

Assembly A-L No. EB	EBA-25 RBCD10FXXD-9	EBA-27 RCD11FX	EBA-36 LCD10FD	EBA-40 LCD11FX-13	EBA-41 A-2169
Driving Head	EB-8803 RB11F-5	EB-8503 R11F-5	EB-8503 R11F-5	EB-8503 R11F-5	EB-8503 R11F-5
Driving Spring	EB-8805 RB11F-6XX	EB-8705 R11F-6X	EBA-405 L11F-6	EB-7805 L11F-6X	EB-8505 R11H-6
Shaft Spring Screw	EB-8807 R11F-7XX	EB-7807 R11F-7X	EB-8507 R11F-7	EB-7807 R11F-7X	EB-8507 R11F-7
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8
Hd. Sp. Bolt or Sc.	EB-8806 R11F-9XX	EB-7806 R11F-9X	EB-8506 R11F-9	EB-7806 R11F-9X	EB-8506 R11F-9
Spring Bolt Nut					*
Compression Sleeve	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R	EB-7819S R11F-12R
Pinion Back Stop					
Pinion Back Stop Sc.					
Take up Spring	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120	EB-8734 F-3120
S-A Assembly	EB-8711 RCD10FD-9SA	EBA-2711 RCD11F-SA	EBA-3611 LCD10FD-SA	EBA-4011 LCD11F-13SA	EBA-4111 F-3841

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE BENDIX PARTS LIST BARREL TYPE

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Assembly A-L No. EB	EBA-5 A-1673	EBA-12 A-1729	EBA-29 A-1684	EBA-33 A-1792
Driving Spring	EB-8605 L11H-6X	EBA-1205 R11H-6X	EBA-2905 L11H-6	EBA-2105 F-3264
Shaft Spring Sc.	EBA-507 R11H-7X	EBA-507 R11H-7X	EBA-2907 R11H-7	
Lock Washer (2 Used)	EB-108 R13-8	EB-108 R13-8	EB-108 R13-8	
Hd. Sp. Bolt or Sc.	EB-7806 R11F-9X	EB-7806 R11F-9X	EB-8506 R11F-9	
Pinion Assembly	EBA-532 F-3000	EBA-1232 F-3200	EBA-532 F-3000	EBA-1232 F-3200
Meshing Spring	EBA-525 F-2995	EBA-1225 F-2998	EBA-525 F-2995	EBA-1225 F-2998
Anti-Drift Spring	EBA-513 F-3114	EBA-1213 F-3196	EBA-513 F-3114	EBA-1213 F-3196
Retaining Ring	EBA-533 F-2990	EBA-1233 F-3192	*	EBA-1233 F-3192
Screw Shaft Assy.	EBA-531 F-3115	EBA-1231 F-3199	EBA-531 F-3115	EBA-2031 F-3493
Spring Anchor Plate				EBA-2007 F-3266
Lock Ring				EBA-2008 F-3438
Head Screw				EBA-2006 F-3268

* EBA-533 (F-2990) Narrow Groove
EBA-1233 (F-3192) Wide Groove

Assembly A-L No. EB	EBA-34 A-1718	EBA-35 A-2033	EBA-38 A-1806BR	EBA-39 A-2089
Driving Spring	EB-8505 R11H-6	EBA-3505 F-3265	EBA-3505 F-3265	EBA-2105 F-3264
Shaft Spring Screw	EBA-2907 R11H-7			
Lock Washer (2 Used)	EB-108 R13-8			
Hd. Sp. Bolt or Sc.	EB-8506 R11F-9			
Pinion Assembly	EBA-1232 F-3200	EBA-3532 F-3220	EBA-532 F-3000	EBA-2032 F-3405
Meshing Spring	EBA-1225 F-2998	EBA-525 F-2995	EBA-525 F-2995	EBA-1225 F-2998
Anti-Drift Spring	EBA-1213 F-3196	EBA-513 F-3114	EBA-513 F-3114	EBA-1213 F-3196
Retaining Ring	EBA-1233 F-3192	EBA-1233 F-3192	EBA-1233 F-3192	EBA-1233 F-3192
Screw Shaft Assy.	EBA-1231 F-3199	EBA-3531 F-3584	EBA-3831 F-3492	EBA-2031 F-3439T
Spring Anchor Plate		EBA-3507 F-3267	EBA-3507 F-3267	EBA-2007 F-3266
Lock Ring		EBA-2008 F-3438	EBA-3008 F-3238	EBA-2008 F-3438
Head Screw			EBA-3806 F-3395	EBA-2006 F-3268

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE BENDIX PARTS LIST COMPRESSION TYPE

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(April 17, 1940)

Assembly A-L No. EB	EB-65 LCEX-11-10	EB-68 RCEX-11-10	EB-71 LCK-11-10	EB-79 RCKX-11-10	EB-81 RCBX-11-10	EB-91 RCB-11-10
Shaft	EB-6501 LCB-31	EB-68C1 RCE-31	EB-7101 LCK-31	EB-7901 RCK-31	EB-8101 RCB-31	EB-8101 RCB-31
Driving Spring	EB-6505 RCEX-36	EB-6505 RCEX-36	EB-6805 RCE-36	EB-6505 RCEX-36	EB-6505 RCEX-36	EB-6805 RCE-36
Drive Stop	EB-6502 RCB-32	EB-6802 RCE-32	EB-7902 RCEX-32	EB-7902 RCEX-32	EB-6502 RCE-32	EB-6502 RCB-32
Pinion	EB-6504S LCB-3104	EB-8104 RCB-310	EB-6504S LCB-3104	EB-8104S RCB-3104	EB-8104S RCB-3104	EB-8104S RCB-3104
Anti-Drift Spring	EB-6513 LCE-16	EB-6813 RCE-16	EB-6513 LCE-16	EB-6813 RCE-16	EB-6813 RCE-16	EB-6813 RCE-16
Thrust Washer (2 Used)	EB-6823 RCE-30	EB-6823 RCE-30	EB-6823 RCE-30	EB-6823 RCE-30	EB-6823 RCE-30	EB-6823 RCE-30
Driving Spring Support	EB-6824 RCE-37	EB-6824 RCE-37	EB-6824 RCE-37	EB-6824 RCE-37	EB-6824 RCE-37	EB-6824 RCE-37
Meshing Spring	EB-6825 RCE-34	EB-6825 RCE-34	EB-6825 RCE-34	EB-6825 RCE-34	EB-6825 RCE-34	EB-6825 RCE-34
Anti-Drift Sp. Sleeve	EB-6526 RCB-38	EB-6826 RCE-38	EB-6826 RCE-38	EB-6826 RCE-38	EB-6526 RCB-38	EB-6526 RCB-38
Pinion Washer	EB-6827 RCE-20	EB-6827 RCE-20	EB-6827 RCE-20	EB-6827 RCE-20	EB-6827 RCE-20	EB-6827 RCE-20
Castellated Nut	EB-6828 RCE-35	EB-6828 RCE-35	EB-6828 RCE-35	EB-6828 RCE-35	EB-6828 RCE-35	EB-6828 RCE-35
Spacing Collar	EB-6529 RCB-40				EB-6529 RCB-40	EB-6529 RCB-40

Assembly A-L No. EB	EBA-6 LCCBX-11-10	EBA-10 LCKX-11-10	EBA-13 RCK-11-10	EBA-26 RCCBX-11-10	EBA-28 LCEX11-10
Shaft	EB-6501 LCB-31	EB-7101 LCK-31	EB-7901 RCK-31	EB-8101 RCB-31	EBA-2801 LCE-31
Driving Spring	EB-6505 RCEX-36	EB-6505 RCEX-36	EB-6805 RCE-36	EB-6505 RCEX-36	EB-6505 RCEX-36
Drive Stop	EB-6502 RCB-32	EB-7902 RCEX-32	EB-7902 RCEX-32	EB-6502 RCB-32	EB-6802 RCE-32
Pinion	EB-6504 LCB-3104C	EB-6504S LCB-3104	EB-8104S RCB-3104	EBA-2604S RCB-3104C	EBA-2804 LCB-310
Anti-Drift Spring	EB-6513 LCE-16	EB-6513 LCE-16	EB-6813 RCE-16	EB-6513 LCE-16	EB-6513 LCE-16
Thrust Washer (2 Used)	EB-6823 RCE-30	EB-6823 RCE-30	EB-6823 RCE-30	EB-6823 RCE-30	EB-6823 RCE-30
Driving Spring Support	EB-6824 RCE-37	EB-6824 RCE-37	EB-6824 RCE-37	EB-6824 RCE-37	EB-6824 RCE-37
Meshing Spring	EB-6825 RCE-34	EB-6825 RCE-34	EB-6825 RCE-34	EB-6825 RCE-34	EB-6825 RCE-34
Anti-Drift Sp. Sleeve	EB-6526 RCB-38	EB-6826 RCE-38	EB-6826 RCE-38	EB-6813 RCE-16	EB-6826 RCE-38
Pinion Washer	EB-6827 RCE-20	EB-6827 RCE-20	EB-6827 RCE-20	EB-6827 RCE-20	EB-6827 RCE-20
Castellated Nut	EB-6828 RCE-35	EB-6828 RCE-35	EB-6828 RCE-35	EB-6828 RCE-35	EB-6828 RCE-35
Spacing Collar	EB-6529 RCB-40			EB-6529 RCB-40	

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE BENDIX PARTS LIST COMPRESSION TYPE

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Assembly A-L No. EB	EBA-30 LCCBXX11-10	EBA-32 RCKXX11-10S	
Shaft	EB-6501 LCB-31	EB-7901 RCK-31	
Driving Spring	EBA-3005 RCEXX-36	EBA-3005 RCEXX-36	
Drive Stop	EBA-3002 RCBXX-32		
Pinion	EB-6504 LCB-3104C	EB-8104S RCB-3104	
Anti-Drift Spring	EB-6513 LCE-16		
Thrust Washer (1 Used)	EBA-3023 RCEXX-30	EBA-3023 RCEXX-30	
Driving Spring Support	EBA-3024 RCEXX-37	EBA-3024 RCEXX-37	
Meshing Spring	EBA-3025 RCEXX-34	EBA-3025 RCEXX-34	
Anti-Drift Sp. Sleeve	EB-6526 RCB-38		
Pinion Washer	EB-6827 RCE-20		
Castellated Nut	EBA-3028 RCEXX-35	EB-6828 RCE-35	
Spacing Collar	EB-6529 RCB-40	EBA-3223 RCEXX-30A	
Anti-Drift Sp. & Sleeve		EBA-3202 RCK-42S	

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE OWEN-DYNETO

DI-1313 STARTING MOTOR PARTS LIST

DI-1313

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
14L05	1	5/16 Lock Washer					
13389	1	Terminal Washer					
13391	1	5/16-18 Hex. Nut					
13438	2	Plain Washer					
(13612)	1	Frame & Field Assembly					
14L05	1	5/16 Lock Washer					
13384	6	Pole Piece					
13389	1	Terminal Washer					
13391	1	5/16-18 Hex. Nut					
13613	1	Field Coil Assy. - Comp.					
13637	1	Terminal Post					
13701	2	Ins. Washer					
13702	1	Ins. Bushing					
13915	1	Terminal Post Ins.					
14305410	6	Pole Piece Screw					
13617	1	Field Connection Ins.					

Comm. End Head Assembly & Parts Used With

14L60	2	#10 Lock Washer					
13473	1	Comm. End Cover					
13592	3	Brush - Short Pigtail					
13593	1	Brush - Long Pigtail					
13598	1	Comm. End Head Assembly					
12N1600	2	#10-32 Hex. Nut					
13576	1	Absorbent Bronze Brg.					
13980	1	Brush Holder Plate Assy.					
13979	4	Brush Spring					
22169	2	#10 Lock Washer					
22549	1	Dowel Pin					
12160010	2	#10-32x5/8 Rd. Hd. Screw					
16398	1	#10-32x3/8 Bdg. Hd. Screw					
20053	1	#10 Skpf. Washer					
14204308	3	1/4-20x1/2 Flat. Hd. Screw					
20160004	2	#10-32x1/4 Rd. Hd. Screw					
24158005	1	#8-32x5/16 Rd. Hd. Screw					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
13170	4	Thrust Washer					
13348	1	#6 Woodruff Key					
13475	1	Thrust Washer					
16437	1	Armature Assembly					
<u>Miscellaneous Parts</u>							
14L05	3	5/16 Lock Washer					
13510	1	Thrust Washer					
16551	1	Pinion Housing Assy.					
16457	1	Absorbent Bronze Brg.					
16553	1	Intermediate Brg. Assy.					
13575	1	Absorbent Bronze Brg.					
16555	1	Bendix Drive Assembly					
14005412	3	5/16-18x3/4 Hex. Hd. Sc.					
14204310	3	1/4-20x5/8 Flat Hd. Screw					
			1	2	3	4	5

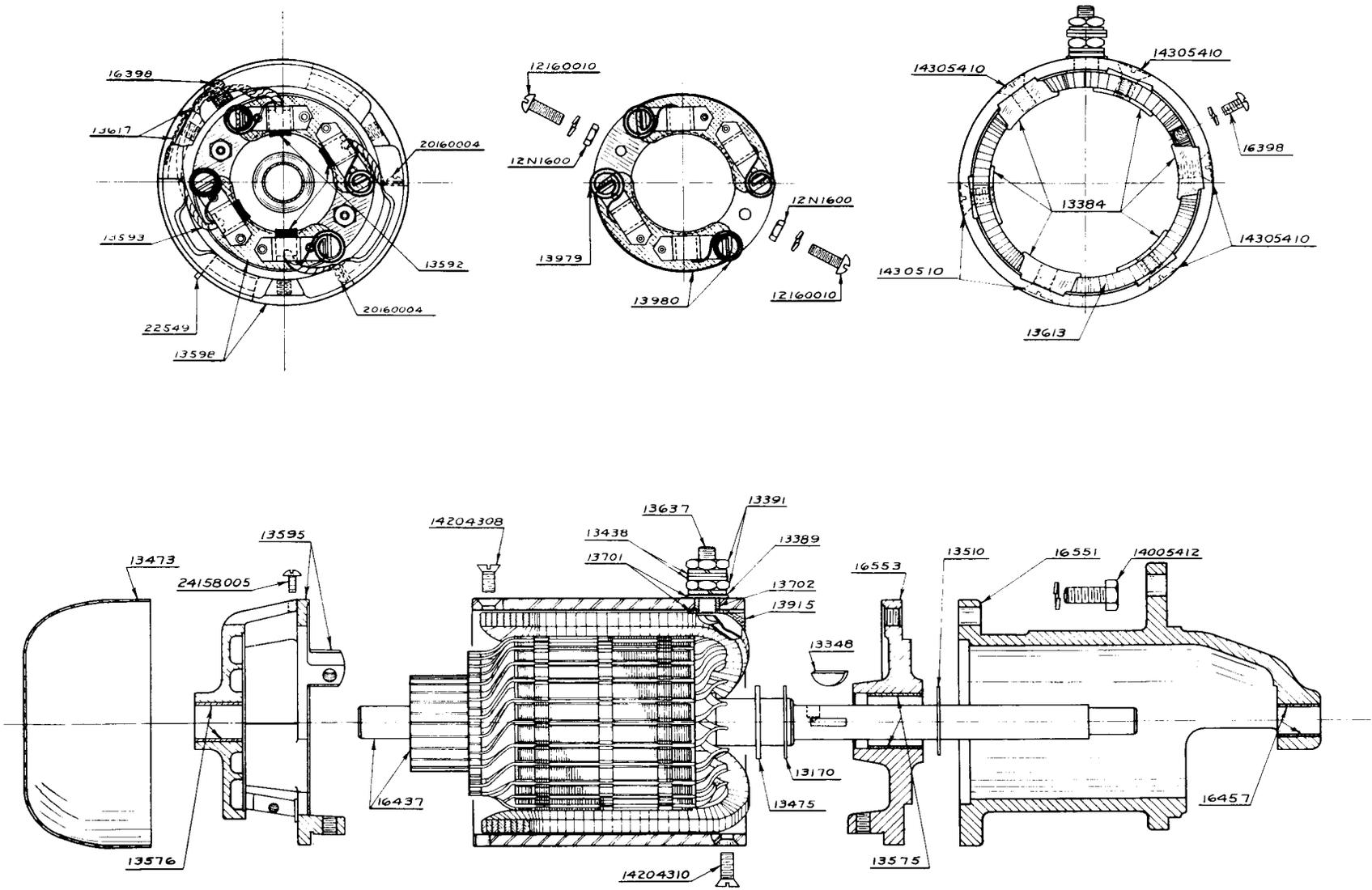
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“NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed.”

DI-1313 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

AUTO-LITE OWEN-DYNETO

DI-1314 STARTING MOTOR PARTS LIST

DI-1314

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
14L05	1	5/16 Lock Washer					
13389	1	Terminal Washer					
13391	1	5/16-18 Hex. Nut					
13438	2	Plain Washer					
(13612)	1	Frame & Field Assy.					
14L05	1	5/16 Lock Washer					
13384	6	Pole Piece					
13389	1	Terminal Washer					
13391	1	5/16-18 Hex. Nut					
13613	1	Field Coil Assy. - Comp.					
13637	1	Terminal Post					
13701	2	Ins. Washer					
13702	1	Ins. Bushing					
13915	1	Terminal Post Ins.					
14305410	6	Pole Piece Screw					
13617	1	Field Connection Ins.					

Comm. End Head Assembly & Parts Used With

14L60	2	#10 Lock Washer					
13473	1	Comm. End Cover					
13592	3	Brush - Short Pigtail					
13593	1	Brush - Long Pigtail					
13598	1	Comm. End Head Assembly					
12N1600	2	#10-32 Hex. Nut					
13576	1	Absorbent Bronze Brg.					
13980	1	Brush Holder Plate Assy.					
13979	4	Brush Spring					
22169	2	#10 Lock Washer					
22549	1	Dowel Pin					
12160010	2	#10-32x5/8 Rd. Hd. Sc.					
16398	1	#10-32x3/8 Bdg. Hd. Screw					
20053	1	#10 Skpf. Washer					
14204308	3	1/4-20x1/2 Flat Hd. Screw					
20160004	2	#10-32x1/4 Rd. Hd. Screw					
24158005	1	#8-32x5/16 Rd. Hd. Screw					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
13170	4	Thrust Washer					
13348	1	#6 Woodruff Key					
13475	1	Thrust Washer					
16437	1	Armature Assembly					

Miscellaneous Parts

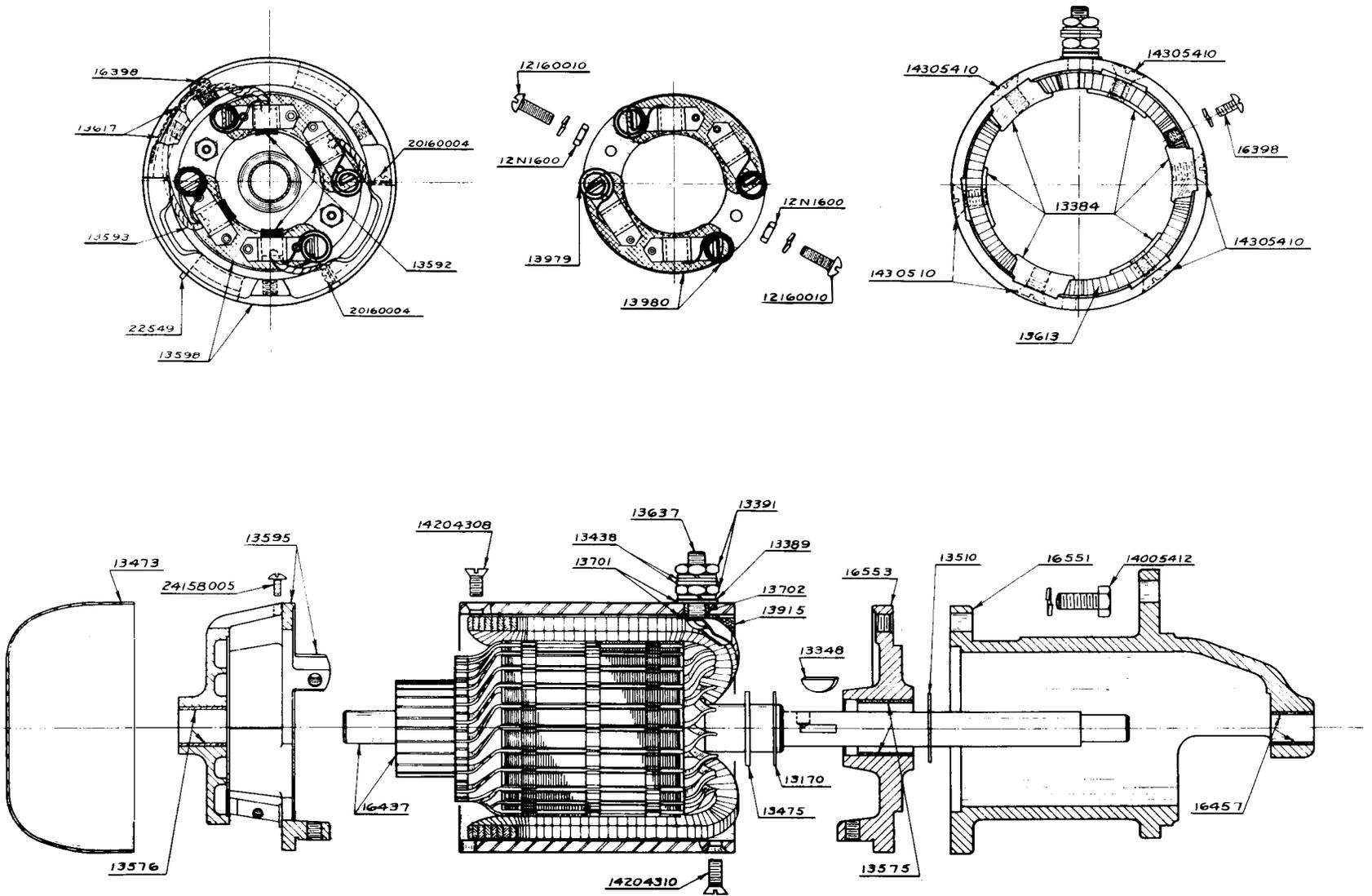
14L05	3	5/16 Lock Washer					
13510	1	Thrust Washer					
16551	1	Pinion Housing Assy.					
16457	1	Absorbent Bronze Brg.					
16553	1	Intermediate Brg. Assy.					
13575	1	Absorbent Bronze Brg.					
16555	1	Bendix Drive Assembly					
14005412	3	5/16-18x3/4 Hex. Hd. Sc.					
14204310	3	1/4-20x5/8 Flat Hd. Screw					
			1	2	3	4	5

(Issued 11-20-35)

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DI-1314 STARTING MOTOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

DI-1568 STARTING MOTOR PARTS LIST

DI-1568

Frame & Field Assy. With Terminal Post & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
13617	1					Field Connection Ins.
(16663)	1					Frame & Field & Switch Assy.
SS-4012	1					Solenoid Starting Switch
12X-196	1					#10 Lock Washer
8X-832	1					5/16-24 Hex. Nut
12X-1014	1					5/16 Lock Washer
8X-1372	1					#10-32 Hex. Nut
13389	1					Terminal Washer
13701	2					Insulating Washer
13702	1					Insulating Bushing
13915	1					Field Connection Ins.
16670	1					5/16-24 Hex. Nut
16671	1					Field Coil Assy. - Comp.
16673	1					Terminal
16684	6					Pole Piece
14205409	6					Pole Piece Screw
8X-321	1					#10-32x5/16 Rd. Hd. Screw
X-1284	1					5/16 Skpf. Washer
14L05	1					5/16 Lock Washer
14L60	1					#10 Lock Washer

Comm. End Head Assy. & Parts Used With

14L60	2	#10 Lock Washer
13473A	1	Comm. End Cover
13592	3	Brush - Short Pigtail
13593	1	Brush - Long Pigtail
16398	1	#10-32x3/8 Bdg. Hd. Screw
16683	1	Comm. End Head Assy.
12N1600	2	#10-32 Hex. Nut
13980	1	Brush Holder Plate Assy.
13979	4	Brush Spring
16682	1	C.E. Plate Part Assy.
13576	1	Absorbent Bronze Brg.
22169	2	#10 Lock Washer
22549	1	Dowel Pin
12160010	2	#10-32x5/8 Rd. Hd. Screw
14204308	3	1/4-20x1/2 Flat Hd. Screw
2X-11	1	#8-32x5/16 Rd. Hd. Screw
X-19	2	#10-32x1/4 Rd. Hd. Screw
X-1274	1	#10 Skpf. Washer
		1 2 3 4 5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
13170	*					Thrust Washer
13475	1					Thrust Washer
13510	1					Thrust Washer
16666	1					Armature Assy.
X-261	1					#6 Woodruff Key

Miscellaneous Parts

EBA-12	1	Bendix Drive Assembly
EB-108	2	Lock Washer
EB-7806	1	Hd. Spr. Bolt or Screw
EBA-507	1	Shaft Spring Screw
EBA-1205	1	Driving Spring
EBA-1213	1	Anti-Drift Spring
EBA-1225	1	Meshing Spring
EBA-1231	1	Screw Shaft Assembly
EBA-1232	1	Pinion Assembly
EBA-1233	1	Retaining Ring
16668	1	Pinion Housing Assy.
13575	1	Absorbent Bronze Brg.
16177	1	Absorbent Bronze Brg.
14204310	3	1/4-20x5/8 Flat Hd. Screw
		1 2 3 4 5

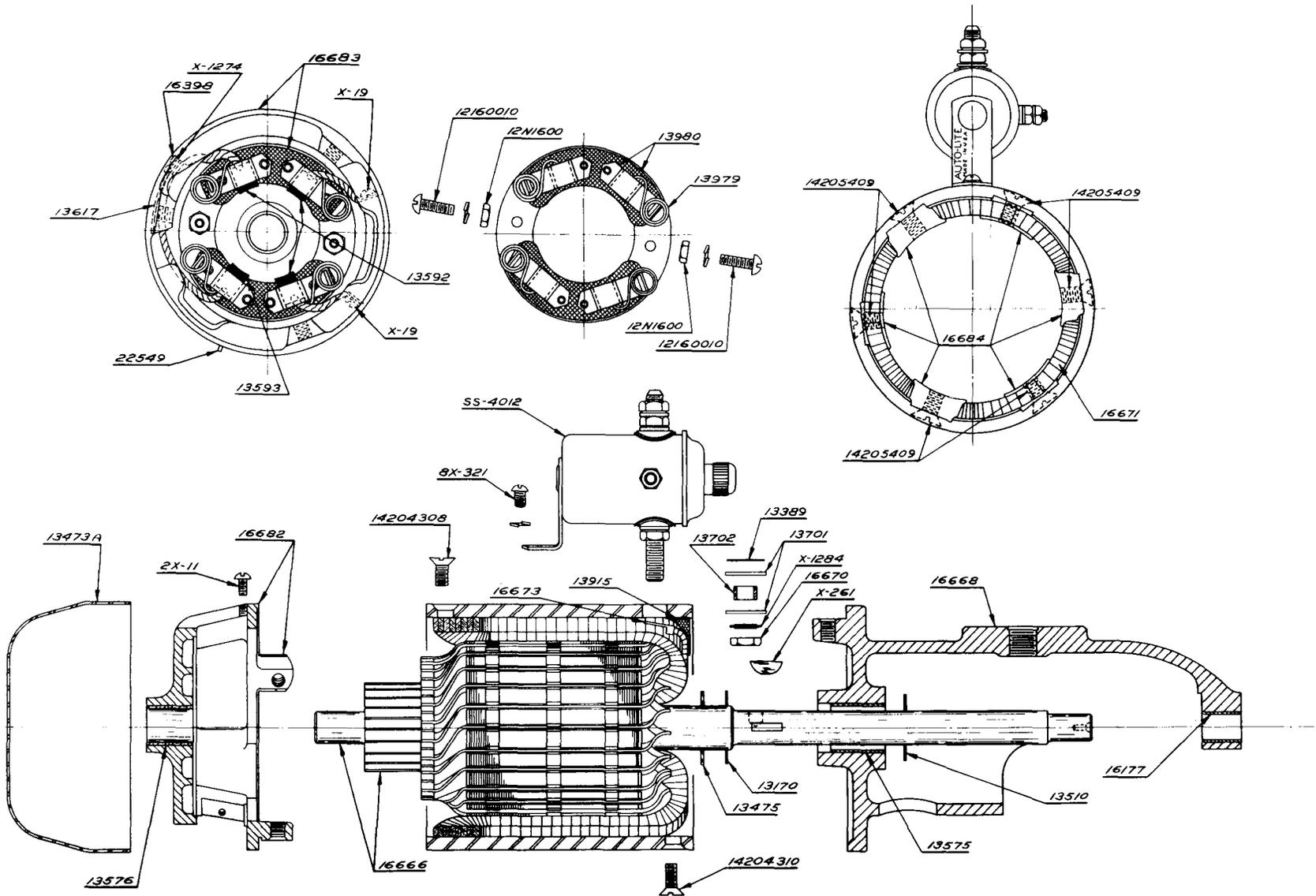
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DI-1568 STARTING MOTOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

DN-1298 STARTING MOTOR PARTS LIST

DN-1298

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
13617	1	Field Connection Ins.
(16546)	1	Frame & Field Assy.
14L05	1	5/16 Lock Washer
13389	2	Terminal Washer
13391	1	5/16-18 Hex. Nut
13622	6	Pole Piece
13626	1	Field Coil Assy. - Comp.
13701	2	Ins. Washer
13702	1	Ins. Bushing
16135	1	Terminal Post
16533	1	Connector
14205410	12	Pole Piece Screw

Comm. End Head Assembly & Parts Used With

14L60	2	#10 Lock Washer
13592	3	Brush - Short Pigtail
13593	1	Brush - Long Pigtail
13627	1	Comm. End Head Assy.
12N1600	2	#10-32 Hex. Nut
13628	1	C.E. Plate Part Assy.
13576	1	Absorbent Bronze Brg.
13980	1	Brush Holder Plate Assy.
13979	4	Brush Spring
22169	2	#10 Lock Washer
22549	1	Dowel Pin
12160010	2	#10-32x5/8 Rd. Hd. Sc.
13629	1	Cover
16398	1	#10-32x3/8 Bdg. Hd. Sc.
20053	1	#10 Skpf. Washer
14204308	3	1/4-20x1/2 Flat Hd. Sc.
20160004	2	#10-32x1/4 Rd. Hd. Sc.
24158005	1	#8-32x5/16 Rd. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
13170	*	Thrust Washer
13348	1	#6 Woodruff Key
13409	1	Armature Assembly
13475	1	Thrust Washer
13510	1	Thrust Washer

Switch Assembly & Parts Used With

SS-4001	1	Solenoid Starting Switch
12X-196	1	#10 Lock Washer
8X-832	2	5/16-24 Hex. Nut
12X-1014	2	5/16 Lock Washer
8X-1372	1	#10-32 Hex. Nut
22169	2	#10 Lock Washer
17160005	2	#10-32x5/16 Rd. Hd. Screw

Miscellaneous Parts

13990	1	Pinion Housing Assy.
13574	1	Absorbent Bronze Brg.
13575	1	Absorbent Bronze Brg.
16511	1	Bendix Drive Assy.
14204310	3	1/4-20x5/8 Flat Hd. Screw
		1 2 3 4 5

(Issued 9-24-35)
(R-3-24-37)

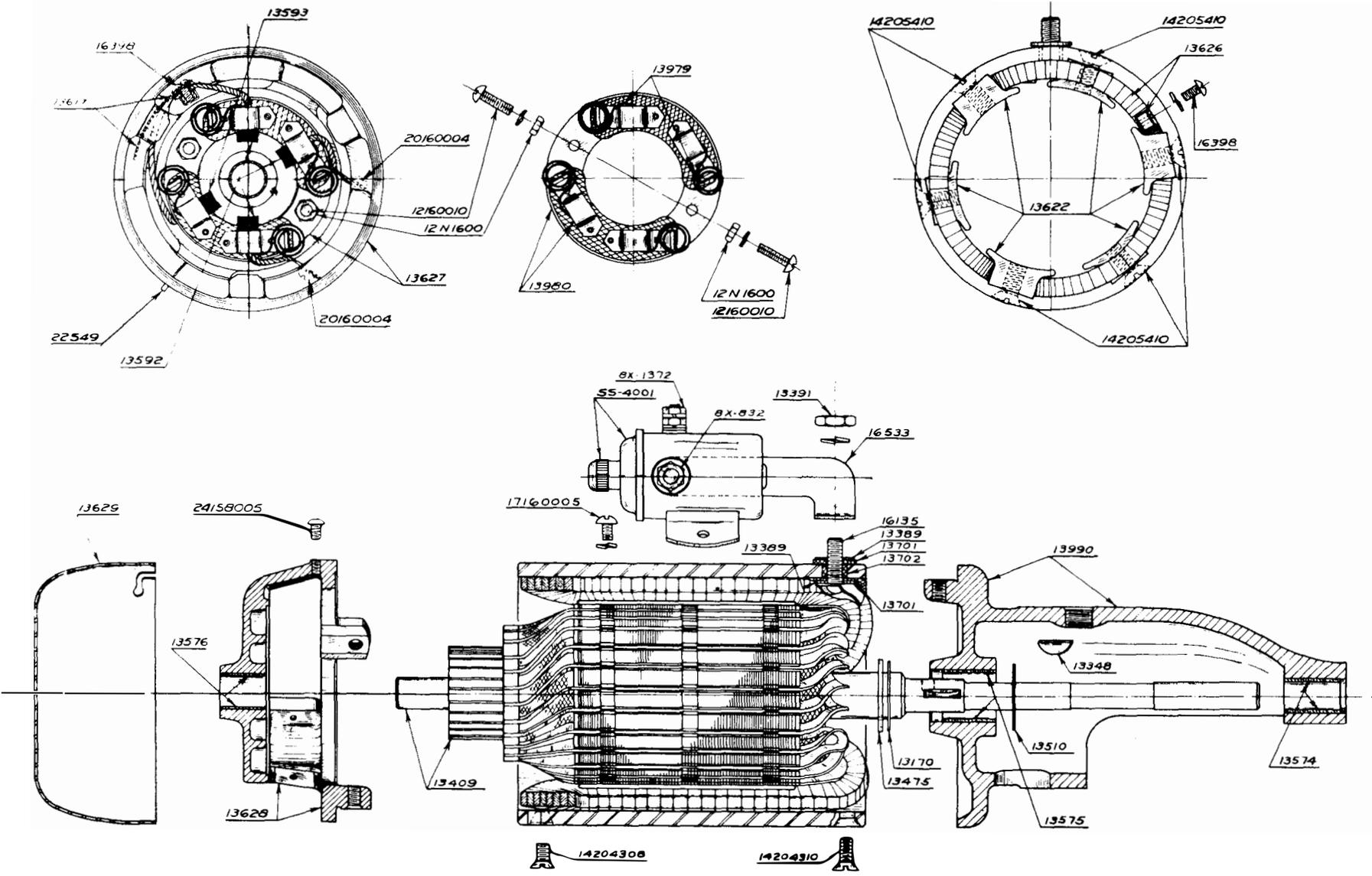
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DN-1298 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

DN-1298 STARTING MOTOR PARTS LIST

DN-1298

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
13617	1	Field Connection Ins.					
(16546)	1	Frame & Field Assy.					
14L05	1	5/16 Lock Washer					
13389	2	Terminal Washer					
13391	1	5/16-18 Hex. Nut					
13622	6	Pole Piece					
13626	1	Field Coil Assy. - Comp.					
13701	2	Ins. Washer					
13702	1	Ins. Bushing					
16135	1	Terminal Post					
16533	1	Connector					
14205410	12	Pole Piece Screw					

Comm. End Head Assembly & Parts Used With

14L60	2	#10 Lock Washer					
13592	3	Brush - Short Pigtail					
13593	1	Brush - Long Pigtail					
13627	1	Comm. End Head Assy.					
12N1600	2	#10-32 Hex. Nut					
13628	1	C.E. Plate Part Assy.					
13576	1	Absorbent Bronze Brg.					
13980	1	Brush Holder Plate Assy.					
13979	4	Brush Spring					
22169	2	#10 Lock Washer					
22549	1	Dowel Pin					
12160010	2	#10-32x5/8 Rd. Hd. Sc.					
13629	1	Cover					
16398	1	#10-32x3/8 Bdg. Hd. Sc.					
20053	1	#10 Skpf. Washer					
14204308	3	1/4-20x1/2 Flat Hd. Sc.					
20160004	2	#10-32x1/4 Rd. Hd. Sc.					
24158005	1	#8-32x5/16 Rd. Hd. Sc.					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
13170	*	Thrust Washer					
13348	1	#6 Woodruff Key					
13409	1	Armature Assembly					
13475	1	Thrust Washer					
13510	1	Thrust Washer					

Switch Assembly & Parts Used With

SS-4001	1	Solenoid Starting Switch					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
22169	2	#10 Lock Washer					
17160005	2	#10-32x5/16 Rd. Hd. Screw					

Miscellaneous Parts

13990	1	Pinion Housing Assy.					
13574	1	Absorbent Bronze Brg.					
13575	1	Absorbent Bronze Brg.					
16511	1	Bendix Drive Assy.					
14204310	3	1/4-20x5/8 Flat Hd. Screw					
			1	2	3	4	5

(Issued 9-24-35)
(R-3-24-37)

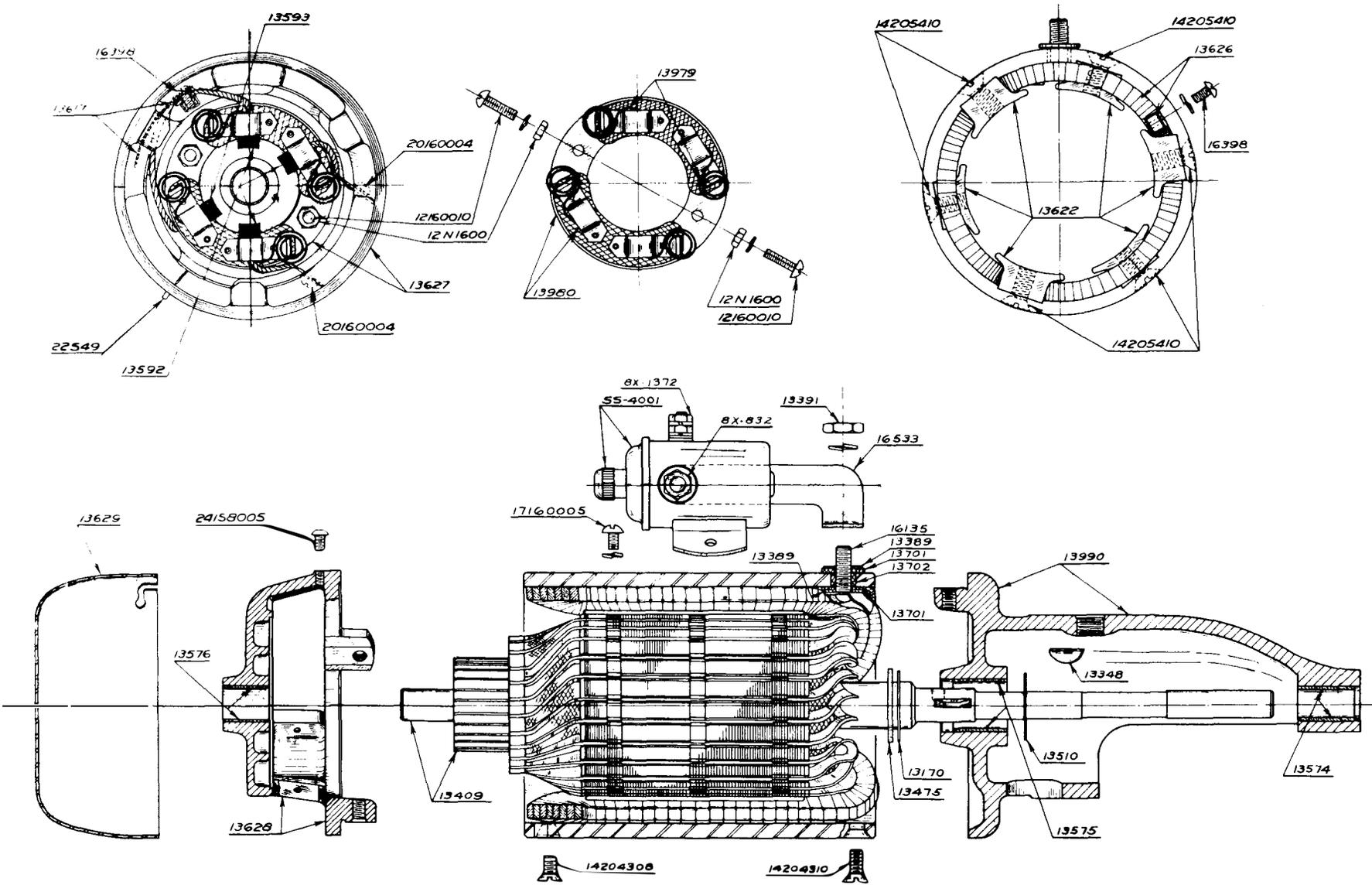
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DN-1298 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

DN-1299 STARTING MOTOR PARTS LIST

DN-1299

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
13617	1					Field Connection Ins.
(16547)	1					Frame & Field Assy.
14L05	1					5/16 Lock Washer
13389	2					Terminal Washer
13391	1					5/16-18 Hex. Nut
13622	6					Pole Piece
13626	1					Field Coil Assy. - Comp.
13701	2					Ins. Washer
13702	1					Ins. Bushing
16135	1					Terminal Post
16541	1					Connector
14205410	12					Pole Piece Screw

Comm. End Head Assembly & Parts Used With

14L60	2					#10 Lock Washer
13592	3					Brush - Short Pigtail
13593	1					Brush - Long Pigtail
13627	1					Comm. End Head Assy.
12N1600	2					#10-32 Hex. Nut
13628	1					C.E. Plate Part Assy.
13576	1					Absorbent Bronze Brg.
13980	1					Brush Holder Plate Assy.
13979	4					Brush Spring
22169	2					#10 Lock Washer
22549	1					Dowel Pin
12160010	2					#10-32x5/8 Rd. Hd. Sc.
13629	1					Cover
16398	1					#10-32x3/8 Bdg. Hd. Sc.
20053	1					#10 Skpf. Washer
14204308	3					1/4-20x1/2 Flat Hd. Sc.
20160004	2					#10-32x1/4 Rd. Hd. Sc.
24158005	1					#8-32x5/16 Rd. Hd. Sc.
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
13170	4					Thrust Washer
13348	1					#6 Woodruff Key
13409	1					Armature Assembly
13475	1					Thrust Washer
13510	1					Thrust Washer

Switch Assembly & Parts Used With

SS-4001	1					Solenoid Starting Switch
12X-196	1					#10 Lock Washer
8X-832	2					5/16-24 Hex. Nut
12X-1014	2					5/16 Lock Washer
8X-1372	1					#10-32 Hex. Nut
22169	2					#10 Lock Washer
17160005	2					#10-32x5/16 Rd. Hd. Screw

Miscellaneous Parts

16149	1					Pinion Housing Assy.
13574	1					Absorbent Bronze Brg.
13575	1					Absorbent Bronze Brg.
16511	1					Bendix Drive Assy.
14204310	3					1/4-20x5/8 Flat Hd. Screw
		1	2	3	4	5

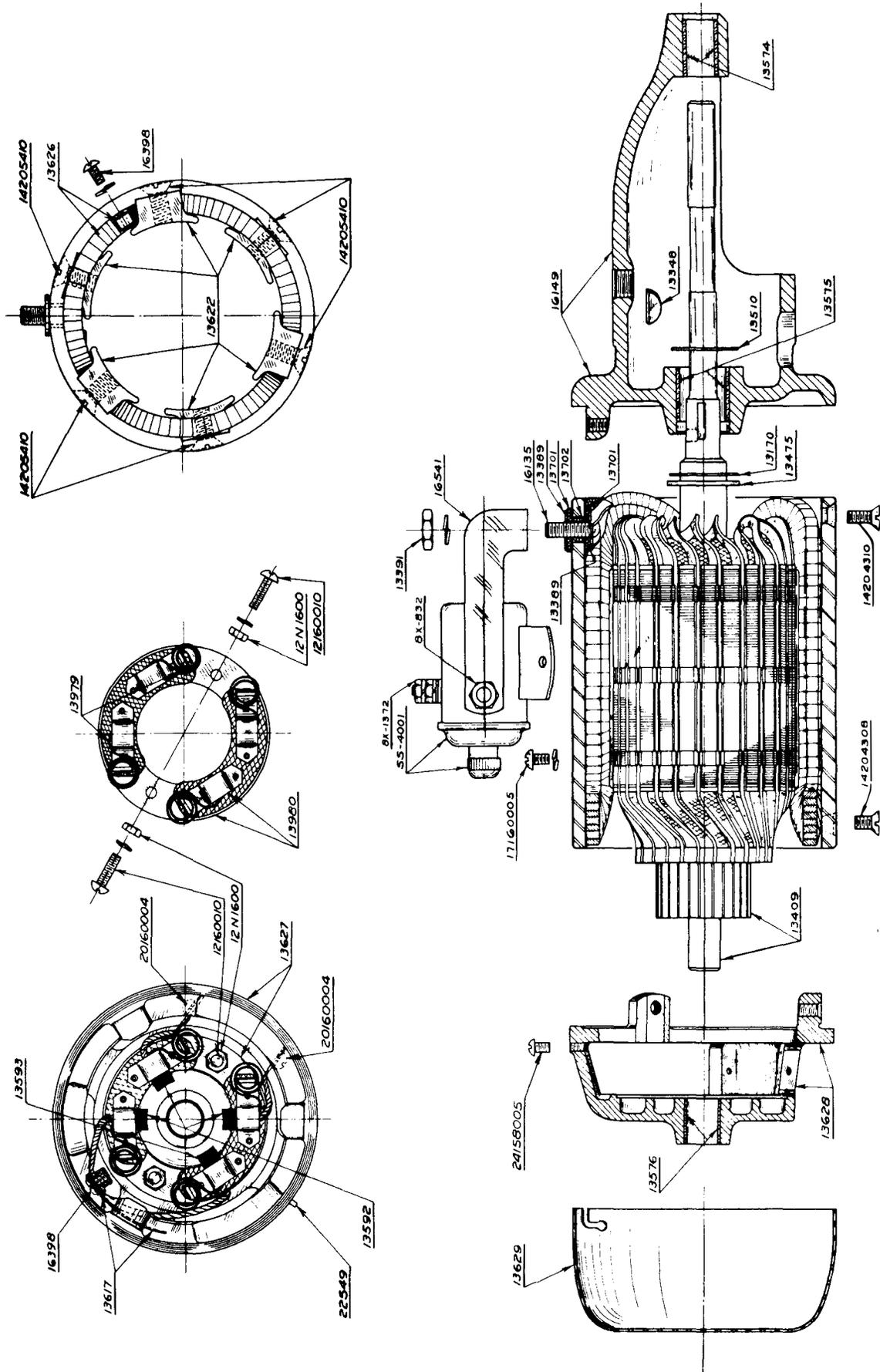
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DN-1299 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

DN-1299 STARTING MOTOR PARTS LIST

DN-1299

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
13617	1	Field Connection Ins.				
(16547)	1	Frame & Field Assy.				
14L05	1	5/16 Lock Washer				
13389	2	Terminal Washer				
13391	1	5/16-18 Hex. Nut				
13622	6	Pole Piece				
13626	1	Field Coil Assy. - Comp.				
13701	2	Ins. Washer				
13702	1	Ins. Bushing				
16135	1	Terminal Post				
16541	1	Connector				
14205410	12	Pole Piece Screw				

Comm. End Head Assembly & Parts Used With

14L60	2	#10 Lock Washer				
13592	3	Brush - Short Pigtail				
13593	1	Brush - Long Pigtail				
13627	1	Comm. End Head Assy.				
12N1600	2	#10-32 Hex. Nut				
13628	1	C.E. Plate Part Assy.				
13576	1	Absorbent Bronze Brg.				
13980	1	Brush Holder Plate Assy.				
13979	4	Brush Spring				
22169	2	#10 Lock Washer				
22549	1	Dowel Pin				
12160010	2	#10-32x5/8 Rd. Hd. Sc.				
13629	1	Cover				
16398	1	#10-32x3/8 Bdg. Hd. Sc.				
20053	1	#10 Skpf. Washer				
14204308	3	1/4-20x1/2 Flat Hd. Sc.				
20160004	2	#10-32x1/4 Rd. Hd. Sc.				
24158005	1	#8-32x5/16 Rd. Hd. Sc.				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
13170	4	Thrust Washer				
13348	1	#6 Woodruff Key				
13409	1	Armature Assembly				
13475	1	Thrust Washer				
13510	1	Thrust Washer				

Switch Assembly & Parts Used With

SS-4001	1	Solenoid Starting Switch				
12X-196	1	#10 Lock Washer				
8X-832	2	5/16-24 Hex. Nut				
12X-1014	2	5/16 Lock Washer				
8X-1372	1	#10-32 Hex. Nut				
22169	2	#10 Lock Washer				
17160005	2	#10-32x5/16 Rd. Hd. Screw				

Miscellaneous Parts

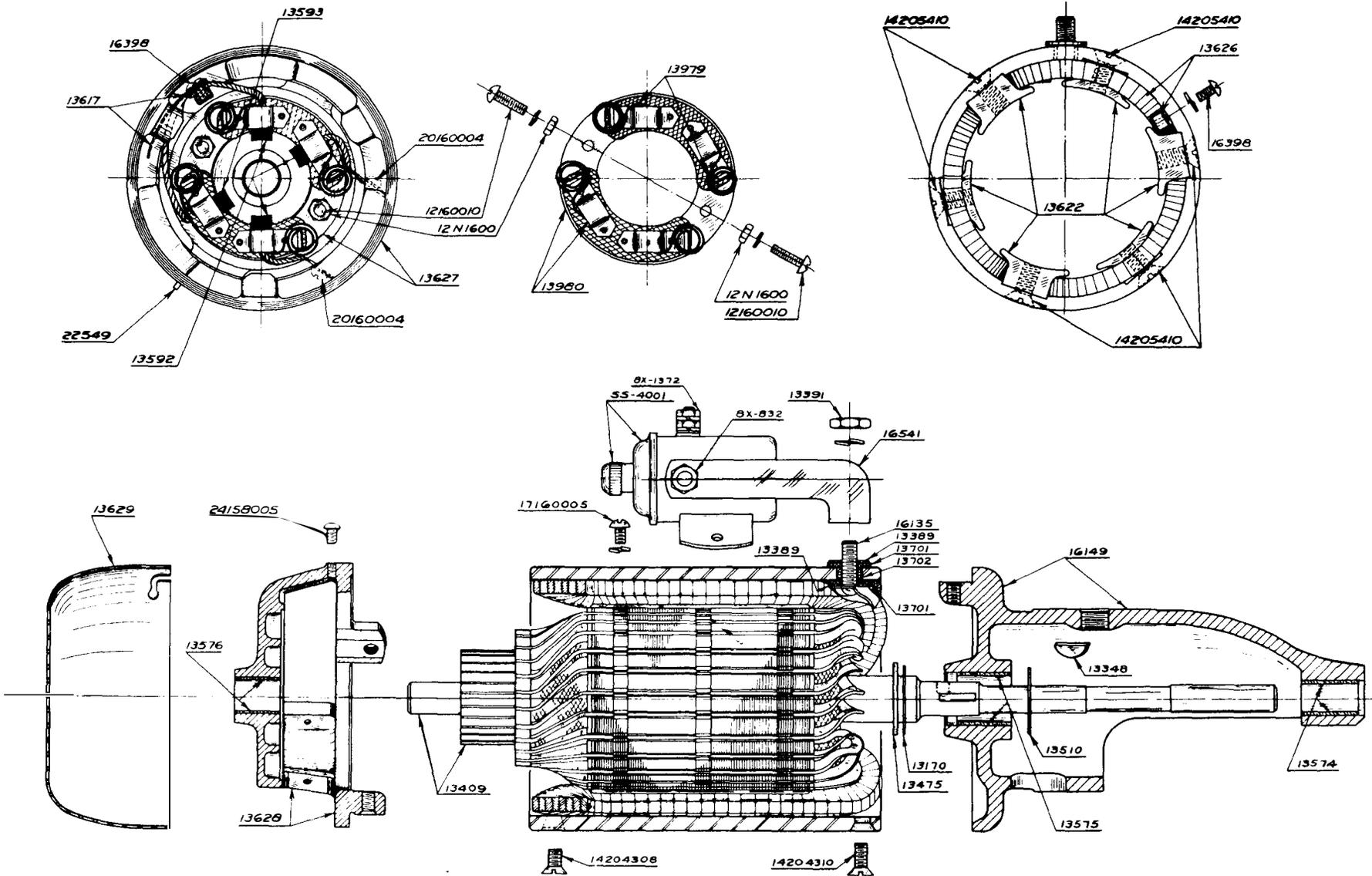
16149	1	Pinion Housing Assy.				
13574	1	Absorbent Bronze Brg.				
13575	1	Absorbent Bronze Brg.				
16511	1	Bendix Drive Assy.				
14204310	3	1/4-20x5/8 Flat Hd. Screw				
		1	2	3	4	5

(Issued 9-24-35)
(R-3-24-37)

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DN-1299 STARTING MOTOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

DN-1389 STARTING MOTOR PARTS LIST

DN-1389

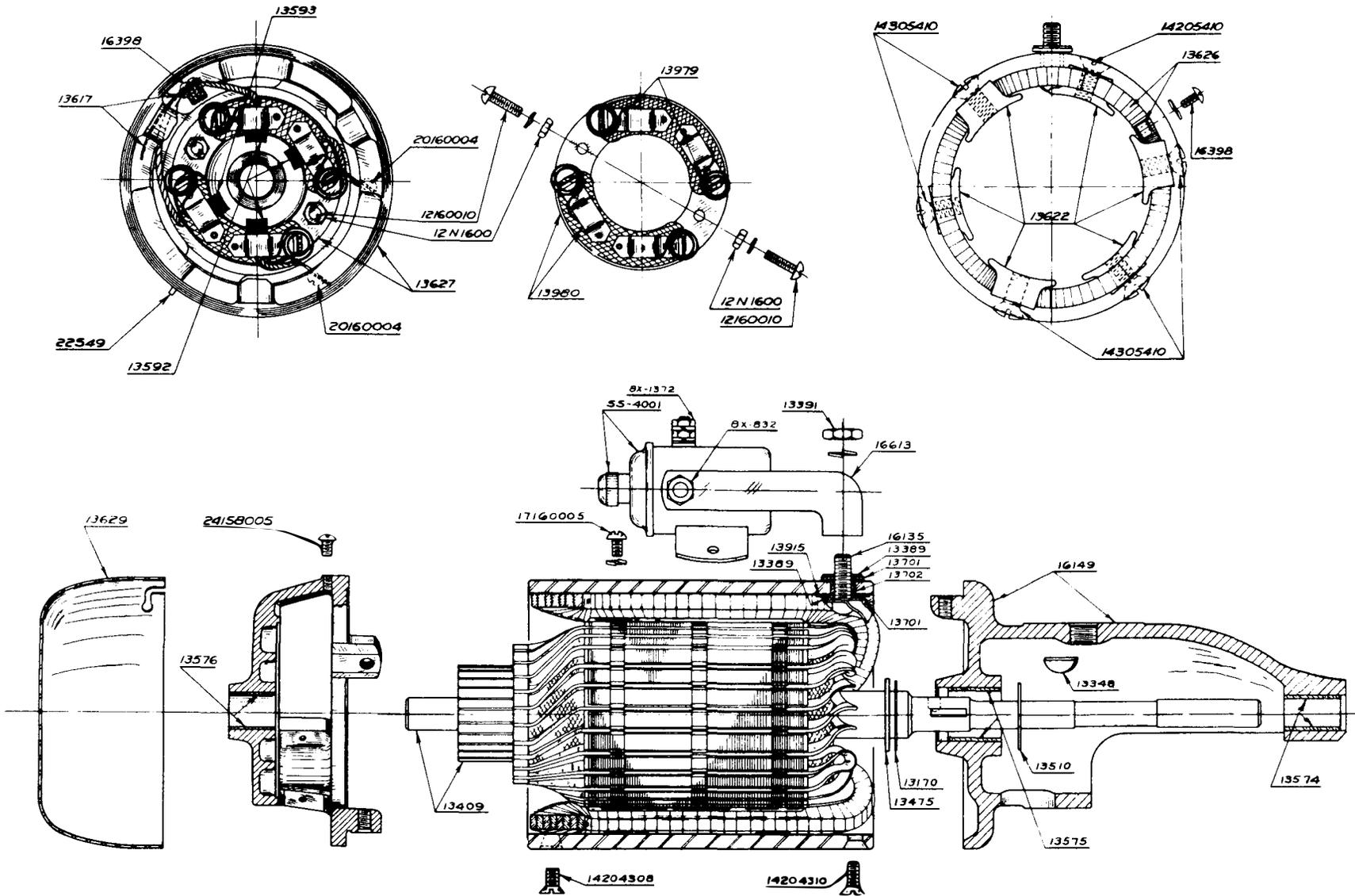
Frame & Field Assembly with Terminal Post & Parts Used With					Armature Assembly & Parts Used With				
Part No.	No. Used	Name of Part			Part No.	No. Used	Name of Part		
		1	2	3 4 5			1	2	3 4 5
13617	1	Field Connection Ins.			13170	4	Thrust Washer		
(16612)	1	Frame & Field Assy.			13348	1	#6 Woodruff Key		
14L05	1	5/16 Lock Washer			13409	1	Armature Assembly		
13389	2	Terminal Washer			13475	1	Thrust Washer		
13391	1	5/16-18 Hex. Nut			13510	1	Thrust Washer		
13622	6	Pole Piece			<u>Switch Assembly & Parts Used With</u>				
13626	1	Field Coil Assy. - Comp.			SS-4001	1	Solenoid Starting Switch		
13701	2	Insulating Washer			12X-196	1	#10 Lock Washer		
13702	1	Insulating Bushing			8X-832	2	5/16-24 Hex. Nut		
13915	1	Field Connection Ins.			12X-1014	2	5/16 Lock Washer		
16135	1	Terminal Post			8X-1372	1	#10-32 Hex. Nut		
14205410	2	Pole Piece Screw			16613	1	Connector		
14305410	10	Pole Piece Screw			22169	2	#10 Lock Washer		
<u>Comm. End Head Assembly & Parts Used With</u>					17160005	2	#10-32x5/16 Rd. Hd. Screw		
14160	2	#10 Lock Washer			<u>Miscellaneous Parts</u>				
13592	3	Brush - Short Pigtail			16149	1	Pinion Housing Assy.		
13593	1	Brush - Long Pigtail			13574	1	Absorbent Bronze Brg.		
13627	1	Comm. End Head Assembly			13575	1	Absorbent Bronze Brg.		
12N1600	2	#10-32 Hex. Nut			16511	1	Bendix Drive Assy.		
13576	1	Absorbent Bronze Brg.			14204310	3	1/4-20x5/8 Flat Hd. Screw		
13980	1	Brush Holder Plate Assy.					1	2	3 4 5
13979	4	Brush Spring			(Issued 1-21-37)				
22169	2	#10 Lock Washer							
22549	1	Dowel Pin							
12160010	2	#10-32x5/8 Rd. Hd. Screw							
13629	1	Cover							
16398	1	#10-32x3/8 Bdg. Hd. Screw							
20053	1	#10 Skpf. Washer							
14204308	3	1/4-20x1/2 Flat Hd. Screw							
20160004	2	#10-32x1/4 Rd. Hd. Screw							
24158005	1	#8-32x5/16 Rd. Hd. Screw							
		1	2	3 4 5					

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DN-1389 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

DN-1298 STARTING MOTOR PARTS LIST

DN-1298

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
13617	1	Field Connection Ins.
(16546)	1	Frame & Field Assy.
14L05	1	5/16 Lock Washer
13389	2	Terminal Washer
13391	1	5/16-18 Hex. Nut
13622	6	Pole Piece
13626	1	Field Coil Assy. - Comp.
13701	2	Ins. Washer
13702	1	Ins. Bushing
16135	1	Terminal Post
16533	1	Connector
14205410	12	Pole Piece Screw

Comm. End Head Assembly & Parts Used With

14L60	2	#10 Lock Washer
13592	3	Brush - Short Pigtail
13593	1	Brush - Long Pigtail
13627	1	Comm. End Head Assy.
12N1600	2	#10-32 Hex. Nut
13628	1	C.E. Plate Part Assy.
13576	1	Absorbent Bronze Brg.
13980	1	Brush Holder Plate Assy.
13979	4	Brush Spring
22169	2	#10 Lock Washer
22549	1	Dowel Pin
12160010	2	#10- 2x5/8 Rd. Hd. Sc.
13629	1	Cover
16398	1	#10-32x3/8 Bdg. Hd. Sc.
20053	1	#10 Skpf. Washer
14204308	3	1/4-20x1/2 Flat Hd. Sc.
20160004	2	#10-32x1/4 Rd. Hd. Sc.
24158005	1	#8-32x5/16 Rd. Hd. Sc.
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part
		1 2 3 4 5
13170	*	Thrust Washer
13348	1	#6 Woodruff Key
13409	1	Armature Assembly
13475	1	Thrust Washer
13510	1	Thrust Washer

Switch Assembly & Parts Used With

SS-4001	1	Solenoid Starting Switch
12X-196	1	#10 Lock Washer
8X-832	2	5/16-24 Hex. Nut
12X-1014	2	5/16 Lock Washer
8X-1372	1	#10-32 Hex. Nut
22169	2	#10 Lock Washer
17160005	2	#10-32x5/16 Rd. Hd. Screw

Miscellaneous Parts

13990	1	Pinion Housing Assy.
13574	1	Absorbent Bronze Brg.
13575	1	Absorbent Bronze Brg.
16511	1	Bendix Drive Assy.
14204310	3	1/4-20x5/8 Flat Hd. Screw
		1 2 3 4 5

(Issued 9-24-35)
(R-3-24-37)

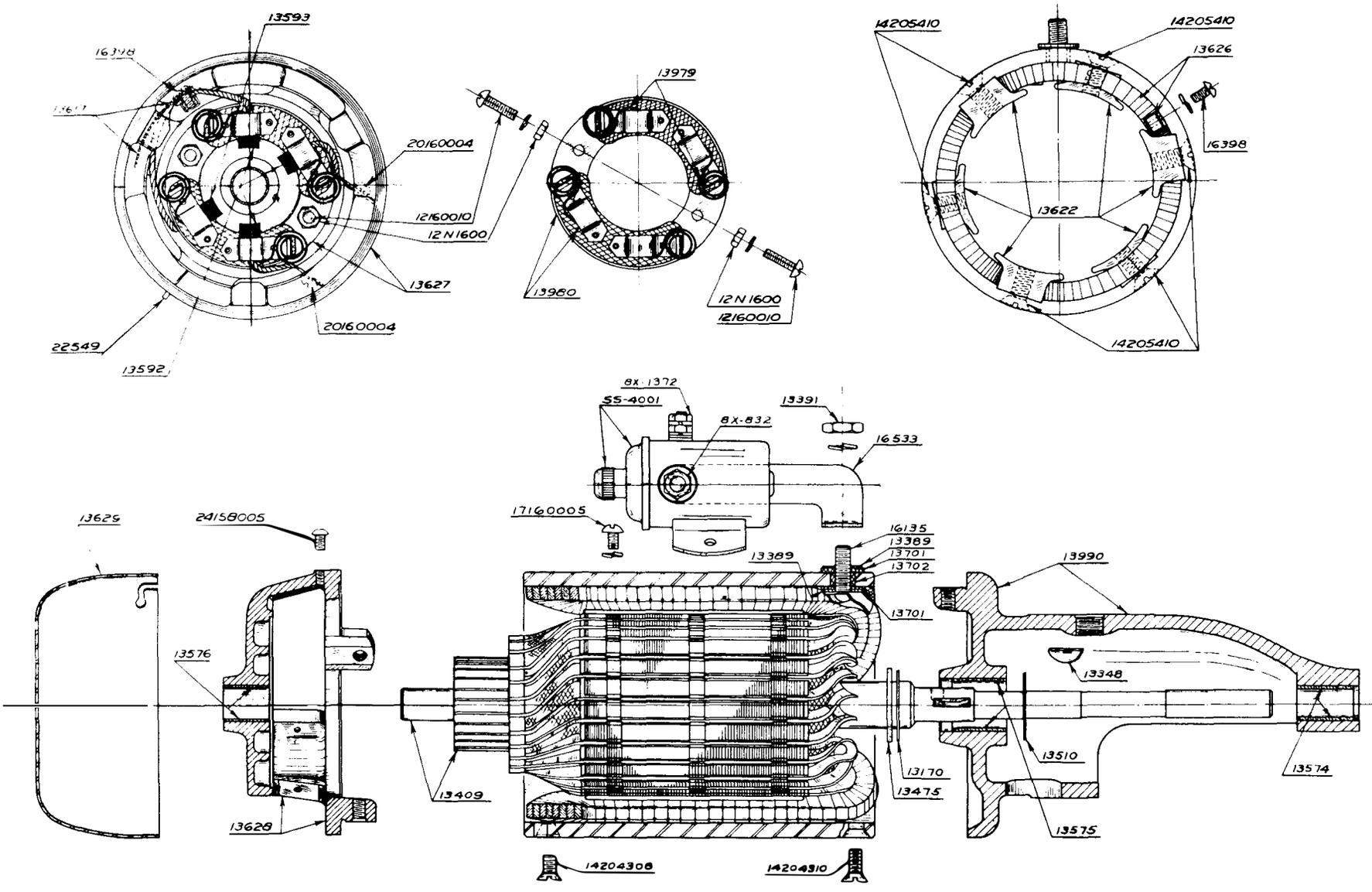
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

DN-1298 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4005 STARTING MOTOR PARTS LIST

MAB-4005
(Issued 3-9-51)

Frame & Field Assembly & Parts Used With			Miscellaneous Parts		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GT-20A	2	Bolt, Thru	EB-33	1	BENDIX DRIVE ASSY.
(MAB-2001)	1	Frame & Field Assy.	EB-508	2	Lockwasher
GK-38	4	Screw, Pole Shoe	EB-2303	1	Head, Drive
MAB-12 †	2	Brush	EB-2319S	1	Sleeve, Compression
MAB-30	1	Insulation, Field Connection	EB-2322	2	Clip, Spring Support
MAB-31	1	Washer, Ins., Term. Stud, Outer	EB-2406	1	Screw, Spring, Head
MAB-65	1	Terminal	EB-2407	1	Screw, Spring, Shaft
MAB-85	1	Bushing, Ins., Term. Stud	EB-3105	1	SPRING, DRIVE
MAB-3005S	1	FIELD COIL PACKAGE	EB-3311	1	Shaft & Pinion
MAB-1007	1	Coil, Field, U.L.	MAB-1024E	1	Band, Cover
MAB-1008	1	Coil, Field, L.R.	MAB-2040	1	BEARING ASSY., INTERMEDIATE
MAB-1009	1	Coil, Field, L.L.	MG-77A	1	Bearing, Abs. Bronze
MAB-1010	1	Coil, Field, U.R.	PS-1003	1	Housing Assy., Pinion
MAF-59	2	Connector, Field Coil	MAB-88	1	Pin, Dowel
MN-21	2	Pin, Dowel	MG-77A	1	BEARING, ABS. BRONZE
MU-28	1	Stud, Terminal, 5/16-24	X-489	1	Oiler
MU-37	1	Washer, Plain, Term. Stud, 5/16	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
MU-39	1	Washer, Ins., Term. Stud, Inner	6X-794	1	Nut, Cover Band, Square #10-32
12X-1014	2	Lockwasher, Term. Stud, 5/16			
5X-1376	2	Nut, Term. Stud, Hex. 5/16-24			
X-199	2	Lockwasher, Thru Bolt, 1/4			
Comm. End Head Assembly & Parts Used With					
MAB-2002	1	Head Assy., Comm. End			
MZ-19	4	Spring, Brush			
MZ-1034S †	2	Brush, Grounded			
Armature Assembly & Parts Used With					
MAB-2006	1	ARMATURE ASSY.			
MAB-35	1	Spacer, Bearing, Thrust			
MU-54	2	Washer, Thrust, C.E. & Intermediate, 1/32" Thick			
X-261	1	Key, Woodruff, #6			

† BRUSH SET, SERVICE MAB-2012AS.

UNIT	APPLICATION
MAB-4005	Hercules, Universal

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4028 STARTING MOTOR PARTS LIST

MAB-4028

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2001)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-1262	4	1/8x7/32 Oval Hd. Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	Armature Assembly					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					
<u>Miscellaneous Parts</u>							
EB-33	1	Bendix Drive Assy.					
MAB-1024	1	Head Band Assy.					
MAB-2040	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1030	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
6X-1010A	1	#8-32x1 1/4 Rd. Hd. Screw - Hardened					
6X-1410	1	#8-32 Square Nut					
			1	2	3	4	5

(Issued 2-25-30)
(R-4-7-36)

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4040,A STARTING MOTOR PARTS LIST

MAB-4040,A

Frame & Field Assembly With Terminal Stud & Parts Used With

Part No.	No. Used	Name of Part
GT-20	2	Bolt, Thru
(MAB-2082)	1	Frame & Field Assy.
GK-38	4	Screw, Pole Shoe
MAB-12‡	2	Brush
MAB-30	1	Insulation, Field Connection
MAB-83	1	Washer, Insulating
MAB-84	1	Stud, Terminal
MAB-1007G	1	Coil, Field, U.L.
MAB-1008	1	Coil, Field, L.R.
MAB-1009	1	Coil, Field, L.L.
MAB-1010F	1	Coil, Field, U.R.
MAF-31	1	Bushing, Ins., Term. Stud
MAF-48	1	Washer, Ins., Term. Stud
MAF-48A	1	Washer, Ins., Term. Stud
MAF-59	2	Connector, Field Coil
MN-21	2	Pin, Dowel
X-199	2	Washer, Lock, Thru Bolt, 1/4

Comm. End Head Assembly & Parts Used With

MAB-2002	1	Head Assy., Comm. End
MZ-16	2	Holder, Brush
MZ-19	4	Spring, Brush
MZ-1034‡	2	Brush, Grounded
X-532	4	Rivet, Oval Hd., 1/8x1/4

Armature Assembly & Parts Used With

MAB-2086	1	Armature
ML-32	1	Washer, Thrust, Int. Bearing
MU-54	1	Washer, Thrust
X-261	1	Key, Woodruff, #6

Switch Assembly & Parts Used With

MAB-136	1	Gasket, Switch
MAB-137	1	Gasket, Switch
MAB-3105S	1	Switch, Starter
X-196	4	Washer, Lock, #10
8X-321	4	Screw, Mtg. Switch, Rd. Hd., #10-32x5/16
X-1014	1	Washer, Lock, Term. Screw, 5/16
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24

Miscellaneous Parts

Part No.	No. Used	Name of Part
EB-33	1	Bendix Drive Assy.
EB-508	2	Washer, Lock
EB-2303	1	Head, Drive
EB-2319S	1	Sleeve, Compression
EB-2322	2	Clip, Spring Support
EB-2406	1	Screw, Spring, Head
EB-2407	1	Screw, Spring, Shaft
EB-3105	1	Spring, Drive
EB-3311	1	Shaft & Pinion
MAB-87	1	Washer, Felt
MAB-103	1	Gasket, Intermediate Bearing
MAB-1024G	1	Band, Cover
MAB-1104	1	Bearing Assy., Intermediate
ML-21A	1	Bearing, Absorbent Bronze
PS-1204	1	Housing Assy., Pinion
MG-77A	1	Bearing, Absorbent Bronze
8X-120	3	Screw, Attaching, Int. Bearing, Fill. Hd., #10-32x5/8
X-196	3	Washer, Lock, #10
X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4
8X-794	1	Nut, Cover Band, Square, #10-32

NOTE: The MAB-4040A starting motor uses EBA-69 Bendix Drive with sub parts as noted below.

EBA-69	1	Bendix Drive Assy.
EB-108	2	Washer, Lock
EB-7806	1	Screw, Spring, Head
EB-7807	1	Screw, Spring, Shaft
EB-7819S	1	Sleeve, Compression
EB-8503	1	Head, Drive
EB-8705	1	Spring, Drive
EB-8734	1	Ring, Take-Up
EBA-6911	1	Shaft & Pinion

‡ Brush Set, Service, MAB-2012S.

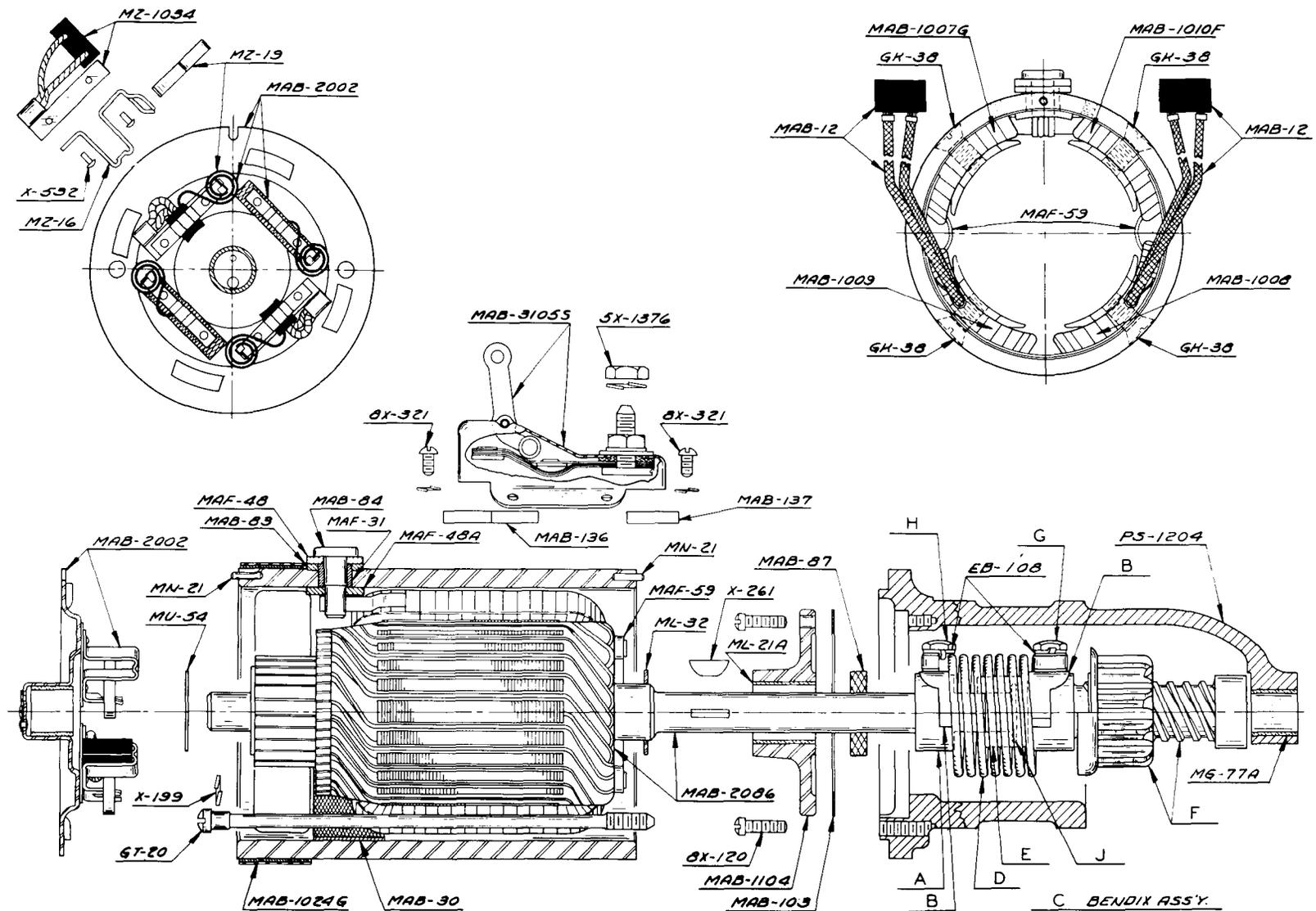
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MAB-4040, A STARTING MOTOR ILLUSTRATION



UNIT	A	B	C	D	E	F	G	H	J
MAB-4040	EB-2303	EB-2322	EB-33	EB-3105	EB-2319S	EB-3311	EB-2407	EB-2406	NONE
MAB-4040A	EB-8503	NONE	EBA-69	EB-8705	EB-7819S	EBA-6911	EB-7807	EB-7806	EB-8734

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4044, A STARTING MOTOR PARTS LIST

MAB-4044, A
(Issued 8-22-51)

Frame & Field Assembly & Parts Used With			Miscellaneous Parts		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GT-20A	2	Bolt, Thru	EB-32	1	Bendix Drive Assy.
(MAB-2001)	1	Frame & Field Assy.	EB-508	2	Lockwasher
GK-38	4	Screw, Pole Shoe	EB-2303	1	Head, Driving
MAB-12†	2	Brush	EB-2319S	1	Sleeve, Compression
MAB-30	1	Insulation, Field Connection	EB-2405	1	Spring, Driving
MAB-31	1	Washer, Ins., Term. Stud, Outer	EB-2406	1	Screw, Spring, Head
MAB-65	1	Terminal	EB-2407	1	Screw, Spring, Shaft
MAB-85	1	Bushing, Ins., Term. Stud	EB-2622	2	Clip, Support, Spring
MAB-3005S	1	Field Coil Package	EB-3211	1	Shaft & Pinion
MAB-1007	1	Coil, Field, U. L.	MAB-1024E	1	Band, Cover
MAB-1008	1	Coil, Field, L. R.	MAB-2040	1	Bearing Assy., Intermediate
MAB-1009	1	Coil, Field, L. L.	MG-77A	1	Bearing, Abs. Bronze
MAB-1010	1	Coil, Field, U. R.	PS-1123A	1	Housing Assy., Pinion
MAF-59	2	Connector, Field Coil	MAB-88	1	Pin, Dowel
MN-21	2	Pin, Dowel	MG-77A	1	Bearing, Abs. Bronze
MU-28	1	Stud, Terminal	X-489	1	Oiler
MU-37	1	Washer, Plain, Term. Stud, 5/16	8X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
MU-39	1	Washer, Ins., Term. Stud, Inner	8X-794	1	Nut, Cover Band, Square #10-32
12X-1014	2	Lockwasher, Term. Stud, 5/16			
8X-1376	2	Nut, Term. Stud, Hex. 5/16-24			
12X-199	2	Lockwasher, Thru Bolt, 1/4			
Comm. End Head Assembly & Parts Used With			NOTE: The MAB-4044A Starting Motor uses EBA-68 Bendix Drive with sub parts as noted below:		
MAB-3002	1	Head Assy., Comm. End	EBA-68	1	Bendix Drive Assy.
MZ-19	4	Spring, Brush	EB-108	2	Lockwasher
MZ-1034S†	2	Brush, Grounded	EB-7805	1	Spring, Drive
Armature Assembly & Parts Used With			EB-7806	1	Screw, Spring, Head
MAB-2006	1	Armature Assy.	EB-7807	1	Screw, Spring, Shaft
MAB-35	1	Spacer, Bearing Thrust	EB-7819S	1	Sleeve
MU-54	2	Washer, Thrust, C. E. & Intermediate, 1/32" Thick	EB-8503	1	Head, Drive
X-261	1	Key, Woodruff, #6	EB-8734	1	Ring, Take-Up
			EBA-6711	1	Shaft & Pinion
			† Brush Set, Service MAB-2012AS.		

UNIT	APPLICATION
MAB-4044, A	Continental, Lathrop (Marine)

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4045 STARTING MOTOR PARTS LIST

MAB-4045

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
(MAB-2001)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Ins. Washer					
MAB-85	1	Ins. Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Ins. Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
GT-20	2	Frame Screw					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assembly					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tub. Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	Armature Assembly					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					
<u>Miscellaneous Parts</u>							
EB-31	1	Bendix Drive Assembly					
MAB-1024	1	Head Band Assembly					
MAB-2040	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1058	1	Pinion Housing Assembly					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.					
6X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 8-5-35)
(R-1-11-37)

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4046,A STARTING MOTOR PARTS LIST

MAB-4046,A

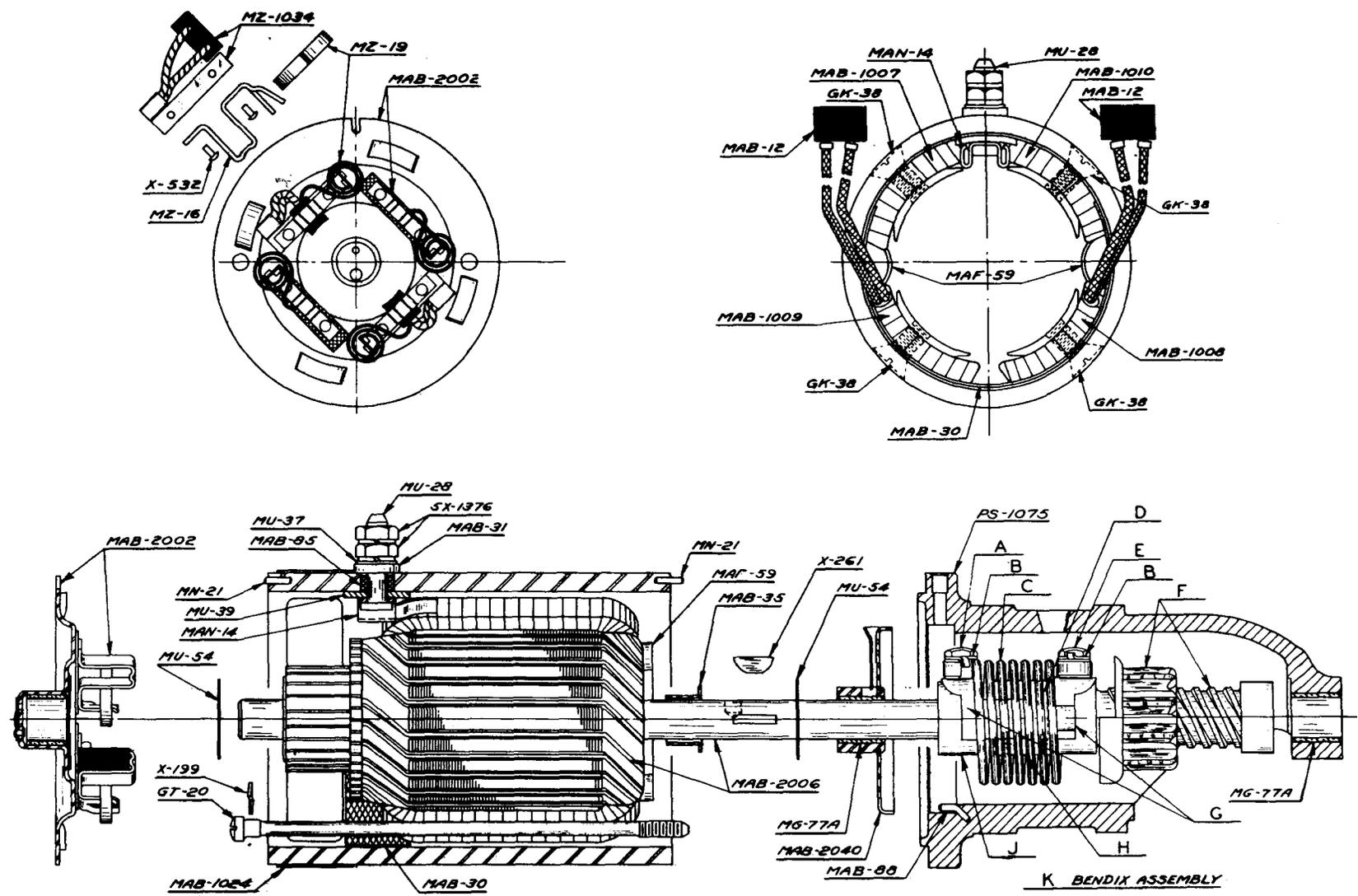
Frame & Field Assembly With Terminal Stud & Parts Used With					Miscellaneous Parts								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GT-20	2	Bolt, Thru					EB-31	1	Bendix Drive Assy.				
(MAB-2001)	1	Frame & Field Assy.					EB-508	2	Washer, Lock				
GK-38	4	Screw, Pole Shoe					EB-2303	1	Head, Drive				
MAB-12†	2	Brush					EB-2319S	1	Sleeve, Compression				
MAB-30	1	Insulation, Field Connection					EB-2322	2	Clip, Spring Support				
MAB-31	1	Washer, Insulating, Term. Stud, Outer					EB-2406	1	Screw, Spring Head				
MAB-85	1	Bushing, Ins., Term. Stud					EB-2407	1	Screw, Spring, Shaft				
MAB-1007	1	Coil, Field, U.L.					EB-3105	1	Spring, Drive				
MAB-1008	1	Coil, Field, L.R.					EB-3111	1	Shaft & Pinion				
MAB-1009	1	Coil, Field, L.L.					MAB-1024	1	Band, Cover				
MAB-1010	1	Coil, Field, U.R.					MAB-2040	1	Bearing Assy., Intermediate				
MAF-59	2	Connector, Field Coil					MG-77A	1	Bearing, Absorbent Bronze				
MAN-14	1	Terminal					PS-1075	1	Housing Assy., Pinion				
MN-21	2	Pin, Dowel					MAB-88	1	Pin, Dowel				
MU-28	1	Stud, Terminal, 5/16-24					MG-77A	1	Bearing, Absorbent Bronze				
MU-37	1	Washer, Plain, Term. Stud, 5/16					X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
MU-39	1	Washer, Ins., Term. Stud, Inner					8X-794	1	Nut, Cover Band, Square, #10-32				
X-1014	1	Washer, Lock, Term. Stud, 5/16							1 2 3 4 5				
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24							(Issued 3-4-44)				
X-199	2	Washer, Lock, Thru Bolt, 1/4											
X-1014	1	Washer, Lock, Term. Stud, 5/16											
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24											
<u>Comm. End Head Assembly & Parts Used With</u>													
MAB-2002	1	Head Assy., Comm. End					EBA-64	1	Bendix Drive Assy.				
MZ-16	2	Holder, Brush					EB-108	2	Washer, Lock, Spring Screw				
MZ-19	4	Spring, Brush					EB-7806	1	Screw, Spring, Head				
MZ-1034†	2	Brush, Grounded					EB-7807	1	Screw, Spring, Shaft				
X-532	4	Rivet, Oval hd., 1/8x1/4					EB-7819S	1	Sleeve, Compression				
<u>Armature Assembly & Parts Used With</u>						EB-8503	1	Head, Drive					
MAB-2006	1	Armature Assy.					EB-8705	1	Spring, Drive				
MAB-35	1	Spacer, Bearing Thrust					EB-8734	1	Ring, Take Up				
MU-54	2	Washer, Arm. Thrust, Comm. End & Intermediate					EBA-6411	1	Shaft & Pinion				
X-261	1	Key, Woodruff, #6											
		1	2	3	4	5							

NOTE:- The MAB-4046A starting motor uses EBA-64 Bendix Drive with sub parts as noted below.

EBA-64	1	Bendix Drive Assy.
EB-108	2	Washer, Lock, Spring Screw
EB-7806	1	Screw, Spring, Head
EB-7807	1	Screw, Spring, Shaft
EB-7819S	1	Sleeve, Compression
EB-8503	1	Head, Drive
EB-8705	1	Spring, Drive
EB-8734	1	Ring, Take Up
EBA-6411	1	Shaft & Pinion

† Brush Set, Service, MAB-2012S.

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."



UNIT	A	B	C	D	E	F	G	H	J	K
MAB-4046	EB-2406	EB-305	EB-3105	NONE	EB-2407	EB-3111	EB-2322	EB-2319S	EB-2303	EB-31
MAB-4046A	EB-7506	EB-108	EB-8705	EB-8734	EB-7507	EBA-6411	NONE	EB-7819S	EB-6503	EBA-64

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4054 STARTING MOTOR PARTS LIST

MAB-4054

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
(MAB-2082)	1	Frame & Field Assy.				
GK-38	4	Pole Piece Screw				
LAB-29	4	Pole Piece				
MAB-30	1	Field Connection Ins.				
MAB-83	1	Insulating Washer				
MAB-84	1	Terminal Post				
MAB-1007G	1	Field Coil - U.L.				
MAB-1008A	1	Field Coil & Brush Assy.- L.R.				
MAB-12	1	Brush				
MAB-1009B	1	Field Coil & Brush Assy.- L.L.				
MAB-12	1	Brush				
MAB-1010F	1	Field Coil - U.R.				
MAF-31	1	Insulating Bushing				
MAF-48	1	Insulating Washer				
MAF-48A	1	Insulating Washer				
MAF-59	2	Field Coil Connector				
MN-21	2	Dowel Pin				
MN-20	2	Frame Screw				
X-199	2	1/4 Lock Washer				

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.				
MZ-16	2	Brush Holder				
MZ-19	4	Brush Spring				
MZ-40A	1	Absorbent Bronze Brg.				
MZ-1034	2	Brush Assy. - Grounded				
X-1262	4	1/8x7/32 Oval Hd. Rivet				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
MAB-2047	1	Armature Assembly				
MAB-35	1	Brg. Thrust Spacer				
MU-54	2	Thrust Washer				
X-261	1	#6 Woodruff Key				

Miscellaneous Parts

EB-99	1	Bendix Drive Assy.				
MAB-1024	1	Head Band Assembly				
MAB-1090A	1	Drive End Head Assy.				
MAB-49A	1	Absorbent Bronze Brg.				
X-489	1	1/4 Oiler - Press in Type				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
6X-794	1	#10-32 Square Nut				

Switch Assembly & Parts Used With

VC-4003	1	Vacuum Starting Switch (See separate list for parts)				
X-196	4	#10 Lock Washer				
6X-311	4	#10-32x3/8 Rd. Hd. Screw				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				
		1	2	3	4	5

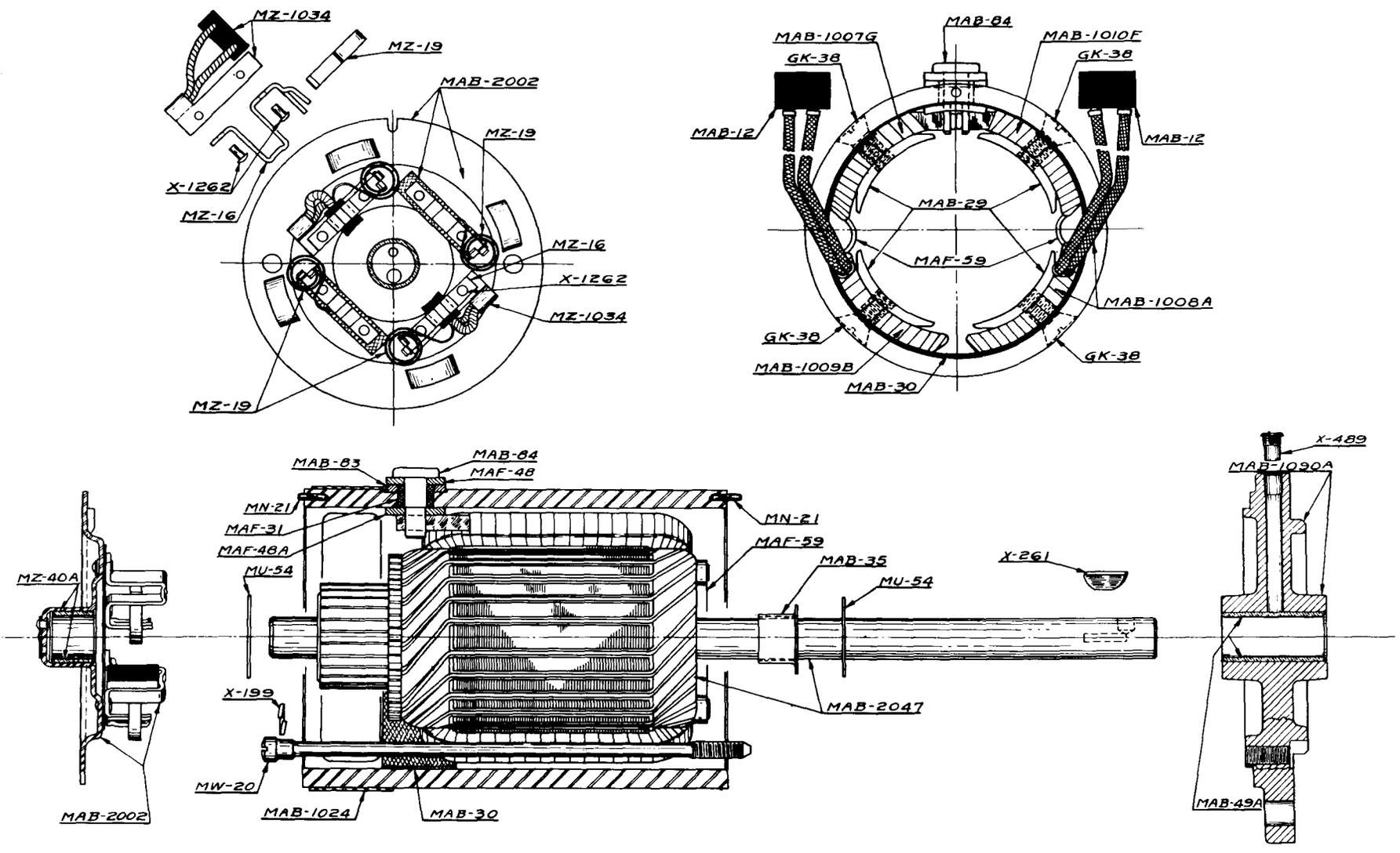
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(R-8-6-36)

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MAB-4054 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4058 STARTING MOTOR PARTS LIST

MAB-4058

Frame & Field Assembly with Terminal Post & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GT-20	2	Frame Screw				
(MAB-2082)	1	Frame & Field Assembly				
GK-38	4	Pole Piece Screw				
MAB-29	4	Pole Piece				
MAB-30	1	Field Connection Ins.				
MAB-83	1	Insulating Washer				
MAB-84	1	Terminal Post				
MAB-1007G	1	Field Coil - U.L.				
MAB-1008A	1	Field Coil & Brush Assy. - L.R.				
MAB-12	1	Brush				
MAB-1009B	1	Field Coil & Brush Assy. - L.L.				
MAB-12	1	Brush				
MAB-1010F	1	Field Coil - U.R.				
MAF-31	1	Insulating Bushing				
MAF-48	1	Insulating Washer				
MAF-48A	1	Insulating Washer				
MAF-59	2	Field Coil Connector				
MN-21	2	Dowel Pin				
X-199	2	1/4 Lock Washer				

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.				
MZ-16	2	Brush Holder				
MZ-19	4	Brush Spring				
MZ-40A	1	Absorbent Bronze Brg.				
MZ-1034	2	Brush Assy. - Grounded				
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
MAB-2006	1	Armature Assembly				
MAB-35	1	Brg. Thrust Spacer				
MU-54	2	Thrust Washer				
X-261	1	#6 Woodruff Key				

Switch Assembly & Parts Used With

MU-2208S	1	Starting Switch Assy.				
BX-832	1	5/16-24 Hex. Nut				
X-1014	1	5/16 Lock Washer				
X-196	4	#10 Lock Washer				
BX-321	4	#10-32x5/16 Rd. Hd. Screw				

Miscellaneous Parts

EBA-2	1	Bendix Drive				
MAB-1024	1	Head Band Assembly				
MAB-2040	1	Intermediate Brg. Assy.				
MG-77A	1	Absorbent Bronze Brg.				
PS-1073	1	Pinion Housing Assy.				
MAB-88	1	Dowel Pin				
MG-77A	1	Absorbent Bronze Brg.				
X-489	1	1/4 Oiler - Press in Type				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
BX-794	1	#10-32 Square Nut				
		1	2	3	4	5

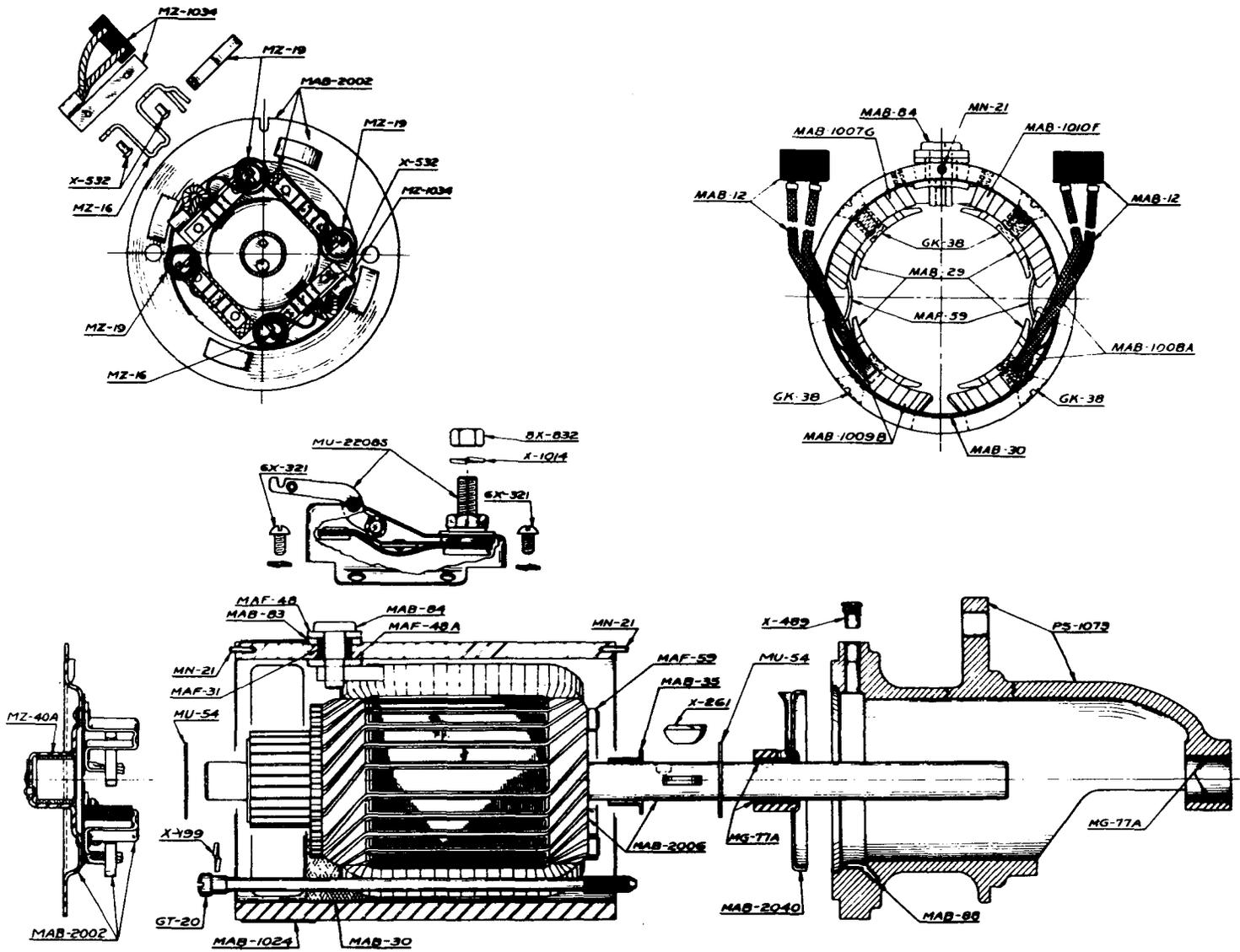
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MAB-4058 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4063 STARTING MOTOR PARTS LIST

MAB-4063

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2001)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	Armature Assembly					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					
<u>Miscellaneous Parts</u>							
EBA-7	1	Bendix Drive Assy.					
MAB-1024	1	Head Band Assembly					
MAB-2040A	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1082	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
6X-794	1	#10-32 Square Nut					
			1	2	3	4	5

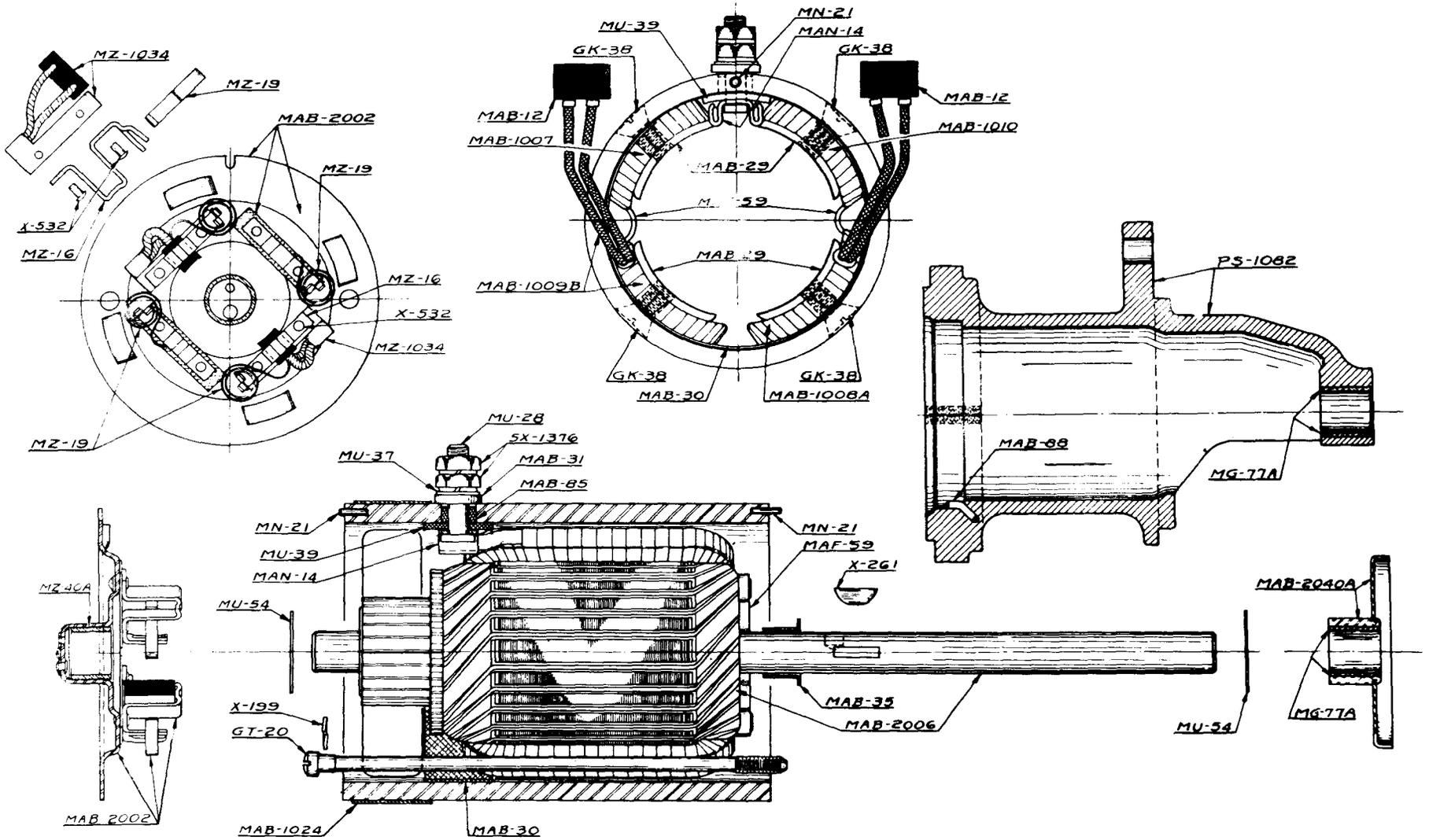
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MAB-4063 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4066 STARTING MOTOR PARTS LIST

MAB-4066

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
QT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Ins. Washer					
MAB-85	1	Ins. Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Ins. Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2046	1	Armature Assembly					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					
<u>Miscellaneous Parts</u>							
EB-87	1	Bendix Drive Assy.					
MAB-1024	1	Head Band Assembly					
MAB-2040	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1024	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MP-41A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
6X-794	1	#10-32 Square Nut					

Switch Assembly & Parts Used With

SS-103	1	Connector					
SS-4002	1	Solenoid Starting Switch					
X-196	1	#10 Lock Washer					
6X-832	2	5/16-24 Hex. Nut					
X-1014	2	5/16 Lock Washer					
6X-1372	1	#10-32 Hex. Nut					
6X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1014	1	5/16 Lock Washer					
X-1274	2	#10 Skpf. Washer					
5X-1376	1	5/16-24 Hex. Nut					
			1	2	3	4	5

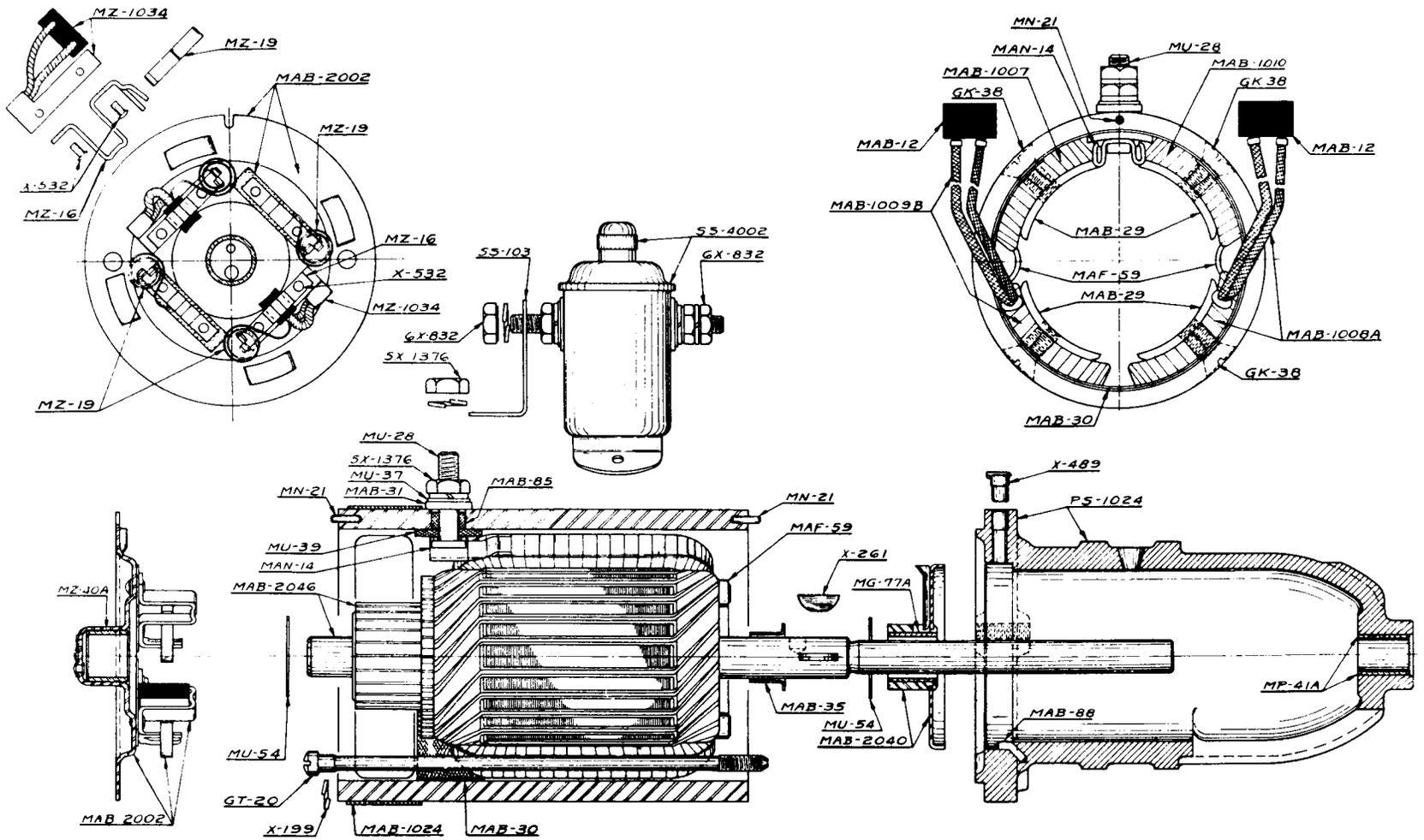
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MAB-4066 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4069,A,B STARTING MOTOR PARTS LIST

MAB-4069,A,B
(Issued 10-6-50)

Frame & Field Assembly & Parts Used With			Miscellaneous Parts		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GT-20A	2	Bolt, Thru	EBA-2**	1	BENDIX DRIVE ASSEMBLY
(MAB-2112)	1	Frame & Field Assy.	EB-108	2	Lockwasher
GK-38	4	Screw, Pole Shoe	EB-7806	1	Screw, Spring, Head
MAB-12 †	2	Brush	EB-7807	1	Screw, Spring, Shaft
MAB-30	1	Insulation, Field Connection	EB-7819S	1	Sleeve, Compression
MAB-31	1	Washer, Ins., Term. Stud, Outer	EB-8503	1	Head, Drive
MAB-65	1	Terminal	EB-8705	1	SPRING, DRIVE
MAB-85	1	Bushing, Ins., Term. Stud	EB-8734	1	Ring, Take-Up
MAB-3005S	1	FIELD COIL PACKAGE	EBA-211	1	Shaft & Pinion
MAB-1007	1	Coil, Field, U.L.	MAB-1024E	1	Band, Cover
MAB-1008	1	Coil, Field, L.R.	MAB-2040	1	BEARING ASSY., INTERMEDIATE
MAB-1009	1	Coil, Field, L.L.	MG-77A	1	Bearing, Abs. Bronze
MAB-1010	1	Coil, Field, U.R.	PS-1123A	1	Housing Assy., Pinion
MAF-59	2	Connector, Field Coil	MAB-88	1	Pin, Dowel
MN-21	2	Pin, Dowel	MG-77A	1	BEARING, ABS. BRONZE
MU-28	1	Stud, Terminal	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
MU-37	1	Washer, Plain, Term. Stud, 5/16	8X-794	1	Nut, Cover Band, Square #10-32
MU-39	1	Washer, Ins., Term. Stud, Inner			
12X-1014	2	Lockwasher, Term. Stud, 5/16			
8X-1376	2	Nut, Term. Stud, Hex. 5/16-24			
12X-199	2	Lockwasher, Thru Bolt, 1/4			
Comm. End Head Assembly & Parts Used With			† BRUSH SET, SERVICE MAB-2012AS.		
MAB-2002	1	Head Assy., Comm. End	* See table following parts list for part number applying to assembly wanted.		
MZ-19	4	Spring, Brush	** Applies to MAB-4069 & MAB-4069B ONLY. MAB-4069A has no Bendix Drive.		
MZ-1034S†	2	Brush, Grounded			
Armature Assembly & Parts Used With			Assembly No.	Connector	
MAB-2006	1	ARMATURE ASSY.	MAB-4069	SS-6R	
MAB-35	1	Spacer, Bearing, Thrust	MAB-4069A	SS-6L	
MU-54	2	Washer, Thrust, 1/32" Thick	MAB-4069B	SS-6L	
X-261	1	Key, Woodruff, #6			
Switch Assembly & Parts Used With					
*	1	Connector			
SS-4001	1	SOLENOID STARTING SWITCH			
8X-173	1	Nut, Hex. #10-32			
12X-196	1	Lockwasher, #10			
8X-832	2	Nut, Hex. 5/16-24			
12X-1014	2	Lockwasher, 5/16			
8X-321	2	Screw, Switch Mtg., Rd. Hd. #10-32x5/16			
X-1270	2	Washer, Switch Mtg. Sc., Skpf. #10			

UNIT	APPLICATION
MAB-4069	Kermath, Worthington
MAB-4069A	Insley Mfg.
MAB-4069B	Insley Mfg., Galion, Hercules

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4071 STARTING MOTOR PARTS LIST

MAB-4071

Frame & Field Assembly With Terminal Stud & Parts Used With					Miscellaneous Parts								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GT-20	2	Bolt, Thru					EBA-2	1	Bendix Drive Assy.				
(MAB-2001)	1	Frame & Field Assy.					EB-108	2	Washer, Lock				
GK-38	4	Screw, Pole Shoe					EB-7806	1	Screw, Spring, Head				
MAB-12†	2	Brush					EB-7807	1	Screw, Spring, Shaft				
MAB-30	1	Insulation, Field Connection					EB-7819S	1	Sleeve, Compression				
MAB-31	1	Washer, Insulating, Term. Stud, Outer					EB-8503	1	Head, Drive				
MAB-85	1	Bushing, Ins., Term. Stud					EB-8705	1	Spring, Drive				
MAB-1007	1	Coil, Field, Upper Left					EB-8734	1	Ring, Take up				
MAB-1008	1	Coil, Field, Lower Right					EBA-211	1	Shaft & Pinion				
MAB-1009	1	Coil, Field, Lower Left					MAB-1024	1	Band, Cover				
MAB-1010	1	Coil, Field, Upper Right					MAB-2040	1	Bearing Assy., Intermediate				
MAF-59	2	Connector, Field Coil					MG-77A	1	Bearing, Absorbent Bronze				
MAN-14	1	Terminal					PS-1123A	1	Housing Assy., Pinion				
MN-21	2	Pin, Dowel					MAB-88	1	Pin, Dowel				
MU-28	1	Stud, Terminal, 5/16-24					MG-77A	1	Bearing, Absorbent Bronze				
MU-37	1	Washer, Plain, Term. Stud, 5/16					X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
MU-39	1	Washer, Ins., Term. Stud, Inner					8X-794	1	Nut, Cover Band, Square, #10-32 1 2 3 4 5				
X-1014	1	Washer, Lock, Term. Stud, 5/16							(Issued 3-15-44)				
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24											
X-199	2	Washer, Lock, Thru Bolt, 1/4											
X-1014	1	Washer, Lock, Terminal Stud, 5/16											
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24											
Comm. End Head Assembly & Parts Used With													
MAB-2002	1	Head Assy., Comm. End											
MZ-16	2	Holder, Brush											
MZ-19	4	Spring, Brush											
MZ-1034†	2	Brush, Grounded											
X-532	4	Rivet, Oval hd., 1/8x1/4											
Armature Assembly & Parts Used With													
MAB-2006	1	Armature Assy.											
MAB-35	1	Spacer, Bearing Thrust											
MU-54	2	Washer, Arm. Thrust, Comm. End & Intermediate											
X-261	1	Key, Woodruff, #6 1 2 3 4 5											

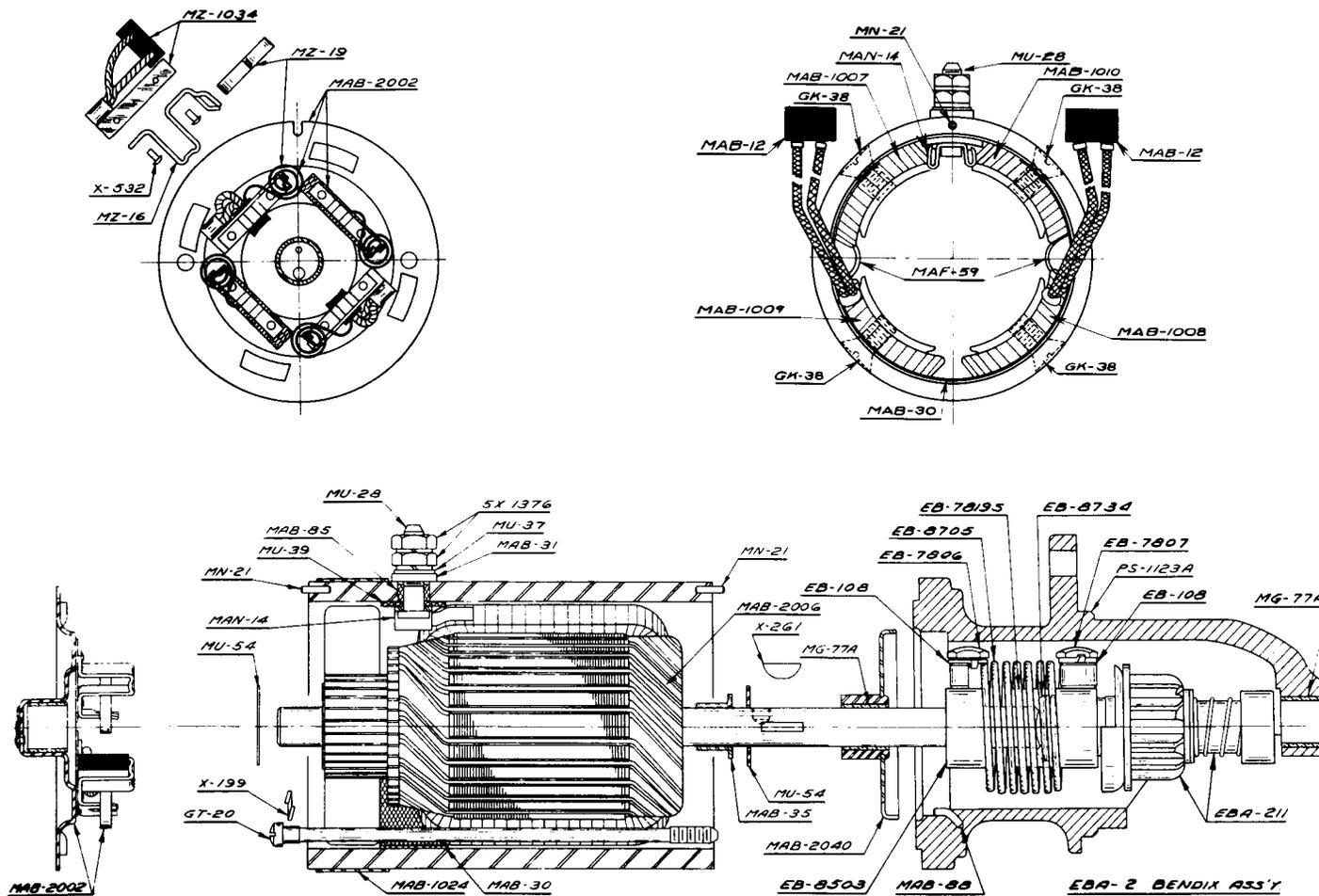
† Brush Set, Service, MAB-2012S.

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MAB-4071 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4072,A STARTING MOTOR PARTS LIST

MAB-4072,A

Frame & Field Assembly & Parts Used With			Miscellaneous Parts		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GT-20A	2	Bolt, Thru	EB-33	1	BENDIX DRIVE ASSY.
(MAB-2001)	1	Frame & Field Assy.	EB-508	2	Washer, Lock
GK-38	4	Screw, Pole Shoe	EB-2303	1	Head, Drive
MAB-12†	2	Brush	EB-2319S	1	Sleeve, Compression
MAB-30	1	Insulation, Field Connection	EB-2322	2	Clip, Spring Support
MAB-31	1	Washer, Ins., Term. Stud, Outer	EB-2406	1	Screw, Spring, Head
MAB-65	1	Terminal	EB-2407	1	Screw, Spring, Shaft
MAB-85	1	Bushing, Ins., Term. Stud	EB-3105	1	SPRING, DRIVE
MAB-3005S	1	FIELD COIL PACKAGE	EB-3311	1	Shaft & Pinion
MAB-1007	1	Coil, Field, Upper Left	MAB-1024E	1	Band, Cover
MAB-1008	1	Coil, Field, Lower Right	MAB-2040	1	BEARING ASSY., INTERMEDIATE
MAB-1009	1	Coil, Field, Lower Left	MG-77A	1	Bearing, Abs. Bronze
MAB-1010	1	Coil, Field, Upper Right	PS-1102	1	Housing Assy., Pinion
MAF-59	2	Connector, Field Coil	MAB-88	1	Pin, Dowel
MN-21	2	Pin, Dowel	MG-77A	1	Bearing, Abs. Bronze
MU-28	1	Stud, Term., 5/16-24	X-714	1	Screw, Cover Band, Rd. Hd., #10-32x1 1/2
MU-37	1	Washer, Plain, Term. Stud, 5/16	8X-794	1	Nut, Cover Band, Square, #10-32
MU-39	1	Washer, Ins., Term. Stud, Inner			
12X-1014	2	Lockwasher, Term. Stud, 5/16			
5X-1376	2	Nut, Term. Stud, Hex., 5/16-24			
X-199	2	Lockwasher, Thru Bolt, 1/4			
Comm. End Head Assembly & Parts Used With			NOTE: The MAB-4072A starting motor uses EBA-11 Bendix Drive with sub parts as noted below.		
MAB-2002	1	Head Assy., Comm. End	EBA-11	1	BENDIX DRIVE ASSY.
MZ-19	4	Spring, Brush	EB-108	2	Washer, Lock
MZ-1034S†	2	Brush, Grounded	EB-7806	1	Screw, Spring, Head
Armature Assembly & Parts Used With			EB-7807	1	Screw, Spring, Shaft
MAB-2006	1	ARMATURE ASSEMBLY	EB-7819S	1	Sleeve, Compression
MAB-35	1	Spacer, Bearing Thrust	EB-8503	1	Head, Driving
MU-54	2	Washer, Arm. Thrust, C.E. & Intermediate	EB-8705	1	SPRING, DRIVE
X-261	1	Key, Woodruff, #6	EB-8734	1	Ring, Take-Up
			EBA-1111	1	Shaft & Pinion
			† BRUSH SET, SERVICE MAB-2012AS.		
			NOTE: Part numbers shown in parenthesis are not recommended for service.		

UNIT	APPLICATION
MAB-4072	Hercules
MAB-4072A	Hercules; U.S. Motors

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4073 STARTING MOTOR PARTS LIST

MAB-4073

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy. - L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy. - L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-3002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
	1		2	3	4	5	

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	Armature Assembly					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					

Switch Assembly & Parts Used With

SS-6R	1	Connector					
SS-4001	1	Solenoid Starting Switch					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					

Miscellaneous Parts

EB-99	1	Bendix Drive					
MAB-1024	1	Head Band Assy.					
MAB-2040A	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1088	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

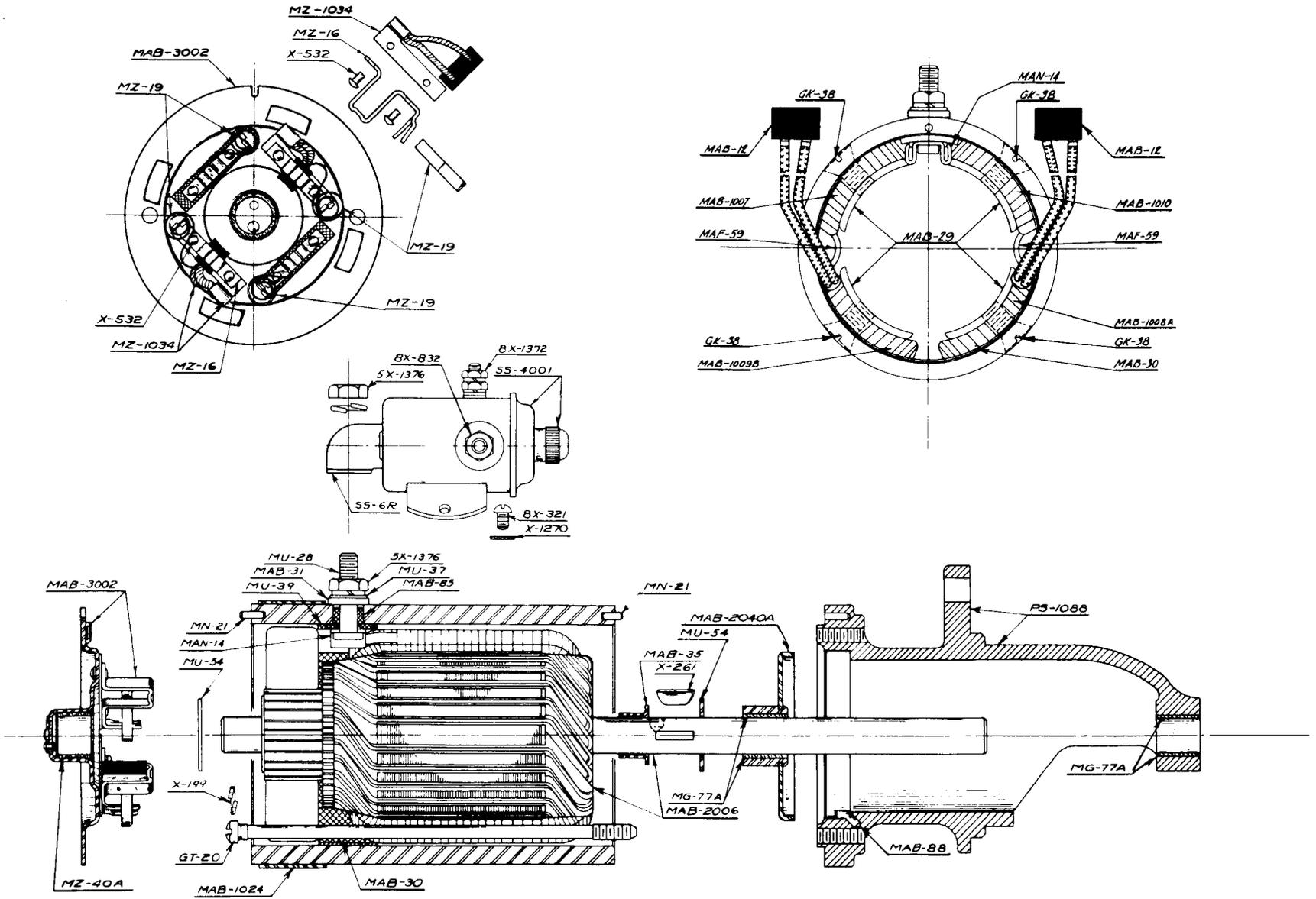
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MAB-4073 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4075 STARTING MOTOR PARTS LIST

MAB-4075

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
(MAB-2132)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy. - L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy. - L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
MAD-20	2	Frame Screw					
X-146	2	1/4-20 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-489	1	1/4 Oiler - Press in Type					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2113	1	Armature Assembly					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					

Switch Assembly & Parts Used With

MU-37	1	5/16 Plain Washer					
SS-6R	1	Connector					
SS-4001	1	Solenoid Starting Switch					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-949	1	Terminal					
X-999	1	Terminal					
X-1270	2	#10 Skpf. Washer					
X-1461	1	Terminal					

Miscellaneous Parts

EBA-5	1	Bendix Drive Assy.					
MAB-1024	1	Head Band Assembly					
MAB-1110B	1	Drive End Head Assy.					
MAB-124	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

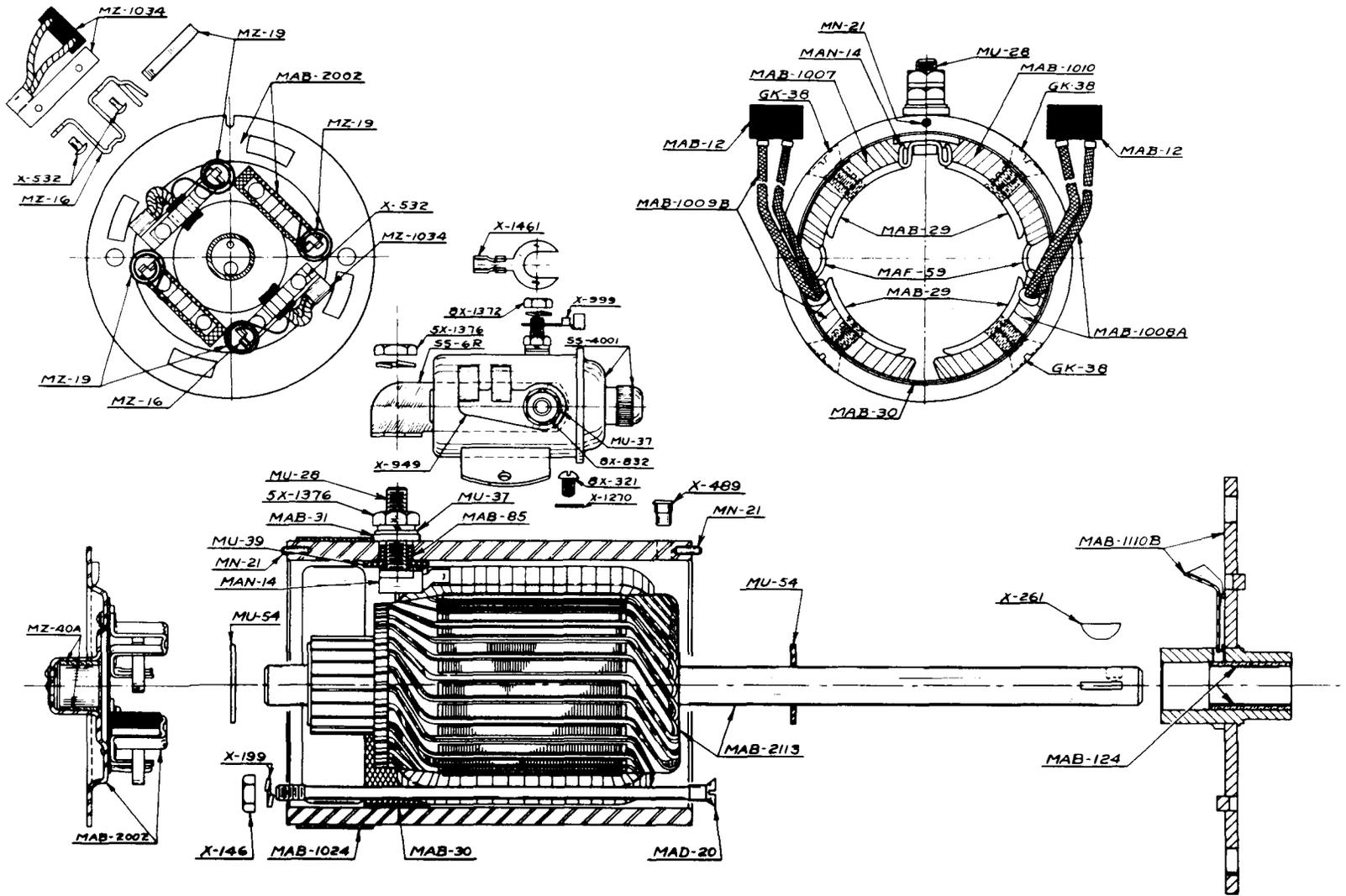
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MAB-4075 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4076 STARTING MOTOR PARTS LIST

MAB-4076

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2001)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy. - L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy. - L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2057	1	Armature Assembly					
MAB-56	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					
<u>Miscellaneous Parts</u>							
EB-99	1	Bendix Drive Assembly					
MAB-1024	1	Head Band Assembly					
MAB-1125	1	Drive End Head Assy.					
MAB-49A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

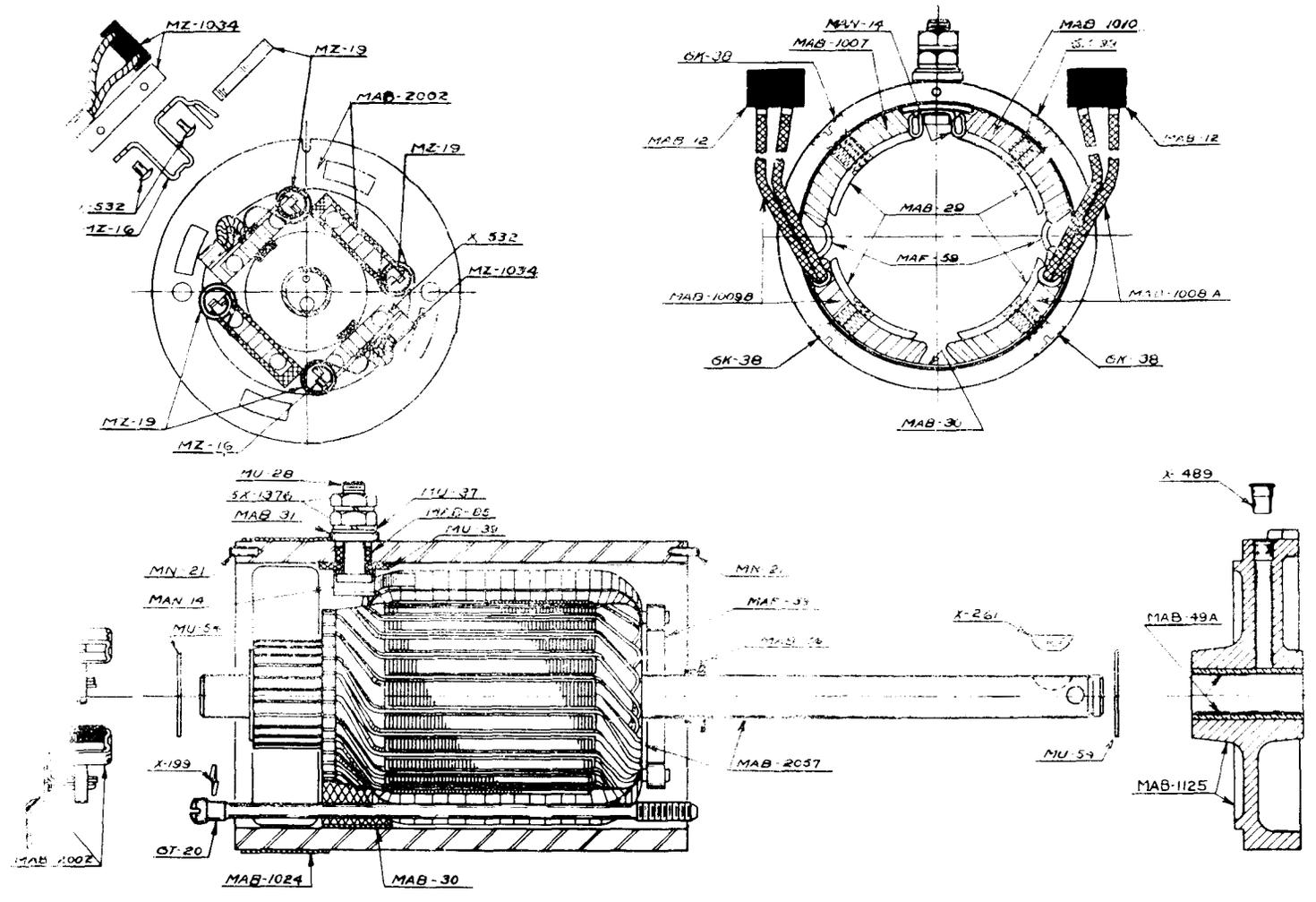
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MAB-4076 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4077 STARTING MOTOR PARTS LIST

MAB-4077

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2082)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-83	1	Ins. Washer					
MAB-84	1	Terminal Post					
MAB-1007G	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Br. Assy. - L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Br. Assy. - L.L.					
MAB-12	1	Brush					
MAB-1010F	1	Field Coil - U.R.					
MAF-31	1	Ins. Bushing					
MAF-43	1	Ins. Washer					
MAF-48A	1	Ins. Washer					
MAF-59	2	Field Coil Connector					
MN-21	2	Dowel Pin					
X-199	2	1/4 Lock Washer					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8-1/4 Oval Hd. Tub. Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2057	1	Armature Assembly					
MAB-56	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					

Switch Assembly & Parts Used With

VC-4002	1	Vacuum Starting Switch (See separate list for parts)					
X-196	4	#10 Lock Washer					
8X-311	4	#10-32x3/8 Rd. Hd. Screw					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Miscellaneous Parts

EB-99	1	Bendix Drive Assembly					
MAB-1024	1	Head Band Assembly					
MAB-1125	1	Drive End Head Assy.					
MAB-49A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

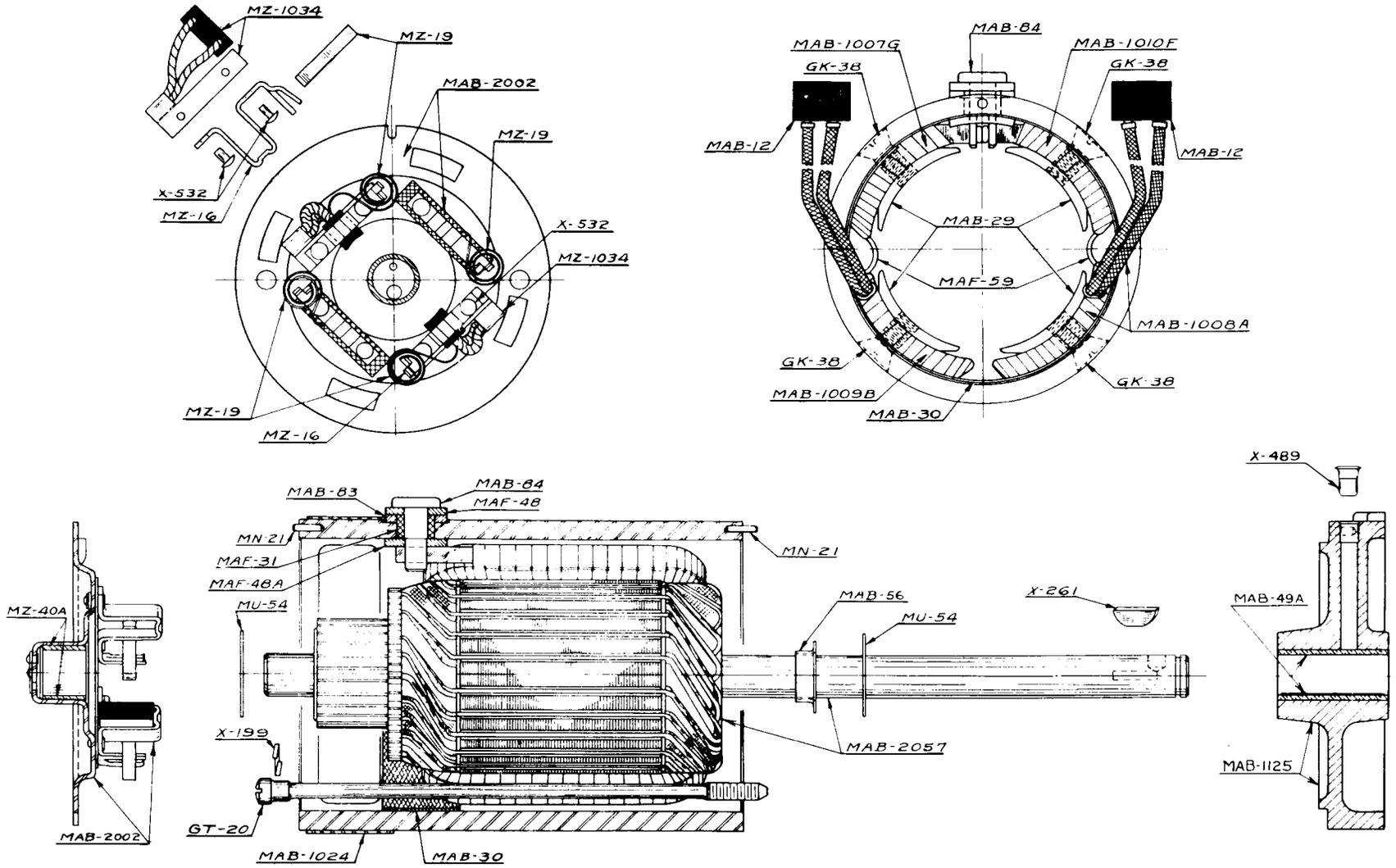
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MAB-4077 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4078 STARTING MOTOR PARTS LIST

MAB-4078

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GT-20	2					Frame Screw
(MAB-2001)	1					Frame & Field Assy.
GK-38	4					Pole Piece Screw
MAB-29	4					Pole Piece
MAB-30	1					Field Connection Ins.
MAB-31	1					Insulating Washer
MAB-85	1					Insulating Bushing
MAB-1007	1					Field Coil - U.L.
MAB-1008A	1					Field Coil & Brush Assy.- L.R.
MAB-12	1					Brush
MAB-1009B	1					Field Coil & Brush Assy.- L.L.
MAB-12	1					Brush
MAB-1010	1					Field Coil - U.R.
MAF-59	2					Field Coil Connector
MAN-14	1					Terminal
MN-21	2					Dowel Pin
MU-28	1					Terminal Post
MU-37	1					5/16 Plain Washer
MU-39	1					Insulating Washer
X-1014	1					5/16 Lock Washer
5X-1376	1					5/16-24 Hex. Nut
X-199	2					1/4 Lock Washer
X-1014	1					5/16 Lock Washer
5X-1376	1					5/16-24 Hex. Nut

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.
MZ-16	2	Brush Holder
MZ-19	4	Brush Spring
MZ-40A	1	Absorbent Bronze Erg.
MZ-1034	2	Brush Assy. - Grounded
X-532	4	1/8x1/4 Oval Hd. Tub. Rivet
		1 2 3 4 5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
MAB-2006	1					Armature Assy.
MAB-35	1					Brg. Thrust Spacer
MU-54	2					Thrust Washer
X-261	1					#6 Woodruff Key
<u>Miscellaneous Parts</u>						
EBA-2	1					Bendix Drive Assy.
MAB-1024	1					Head Band Assy.
MAB-2040A	1					Intermediate Brg. Assy.
MG-77A	1					Absorbent Bronze Brg.
PS-1088	1					Pinion Housing Assy.
MAB-88	1					Dowel Pin
MG-77A	1					Absorbent Bronze Brg.
X-715	1					#10-32x1 1/4 Rd. Hd. Screw
BX-794	1					#10-32 Square Nut
						1 2 3 4 5

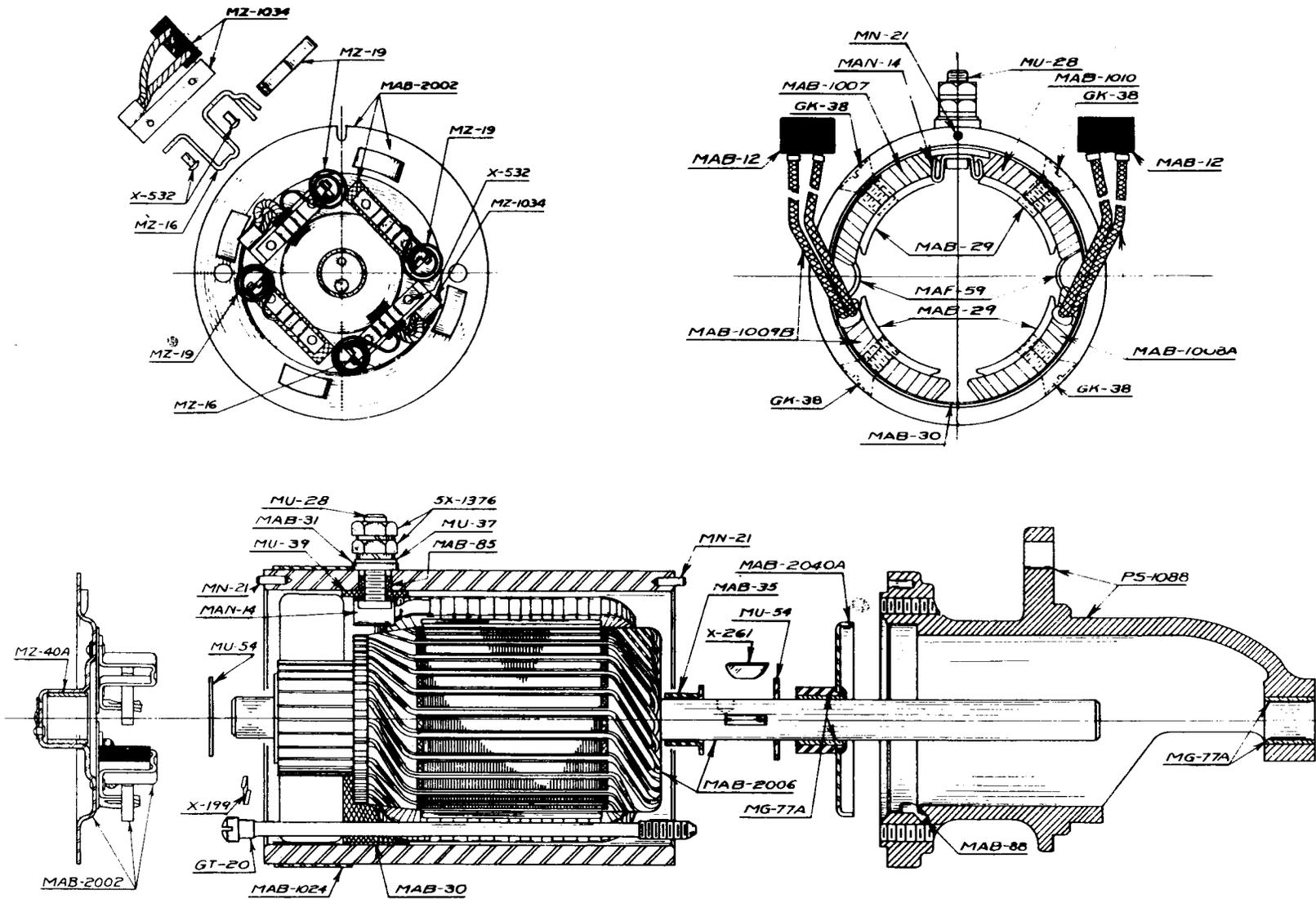
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MAB-4078 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4079 STARTING MOTOR PARTS LIST

MAB-4079

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy. - L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy. - L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Ins. Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	Armature Assembly					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					

Switch Assembly & Parts Used With

SS-6L	1	Connector					
SS-4001	1	Solenoid Starting Switch					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					

Miscellaneous Parts

EBA-7	1	Bendix Drive Assy.					
MAB-1024	1	Head Band Assembly					
MAB-2040A	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1082	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

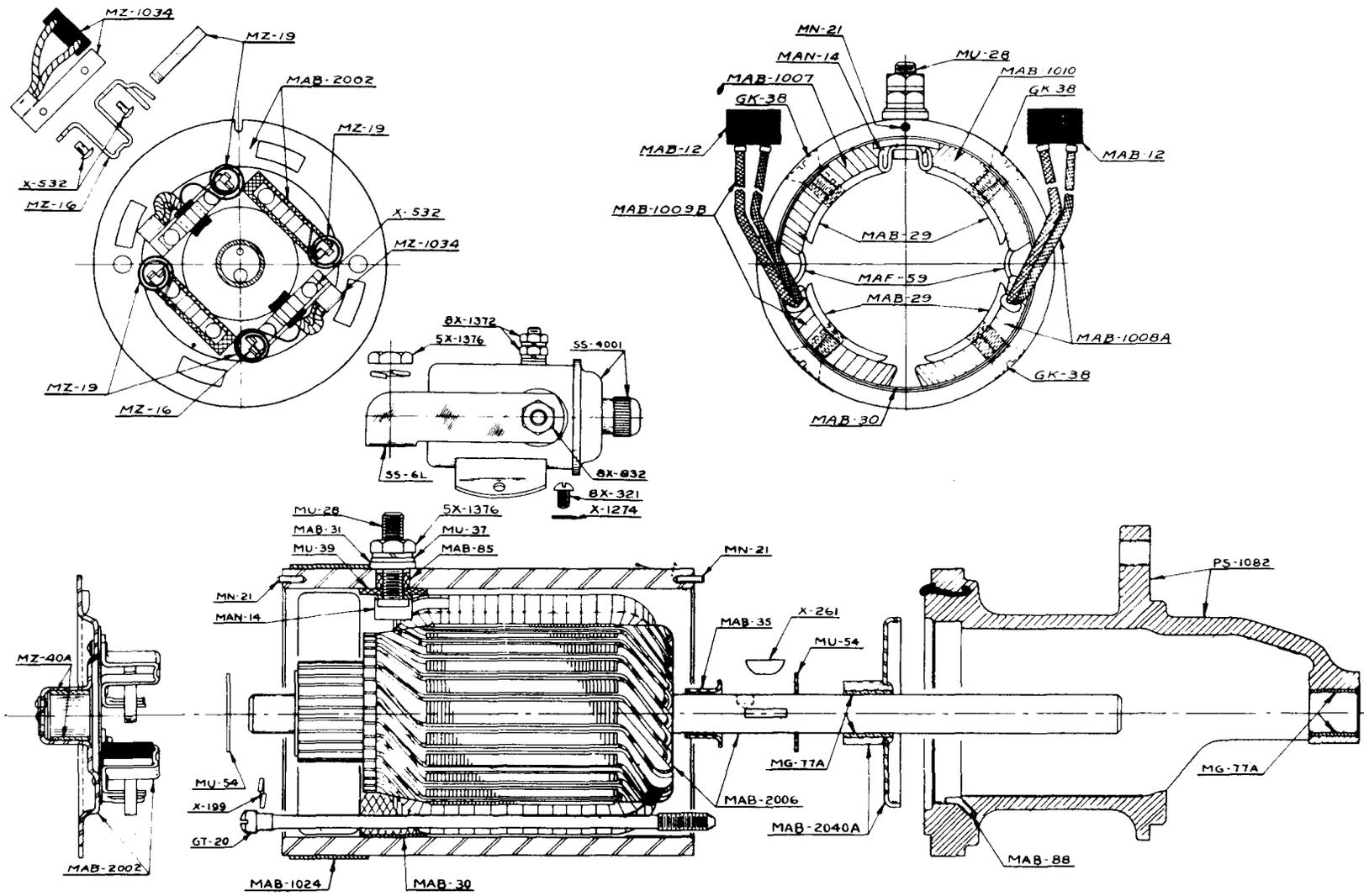
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MAB-4079 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4080 STARTING MOTOR PARTS LIST

MAB-4080

<u>Frame & Field Assy. With Terminal Post & Parts Used With</u>					<u>Armature Assembly & Parts Used With</u>									
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part					
		1	2	3	4	5			1	2	3	4	5	
GT-20	2	Frame Screw					MAB-2046	1	ARMATURE ASSEMBLY					
(MAB-2001)	1	Frame & Field Assembly					MAB-35	1	Bearing Thrust Spacer					
GK-38	4	Pole Piece Screw					MU-54	2	Thrust Washer - 1/32" Thick					
MAB-29	4	Pole Piece					X-261	1	#6 Woodruff Key					
MAB-30	1	Field Connection Ins.					<u>Miscellaneous Parts</u>							
MAB-31	1	Insulating Washer					EB-87	1	BENDIX DRIVE ASSEMBLY					
MAB-85	1	Insulating Bushing					EB-108	2	Lock Washer					
MAB-1007	1	Field Coil - U.L.					EB-7806	1	Hd. Spring Bolt or Screw					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					EB-7807	1	Shaft Spring Screw					
MAB-12	1	BRUSH					EB-7819S	1	Compression Sleeve					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					EB-8503	1	Driving Head					
MAB-12	1	BRUSH					EB-8705	1	DRIVE SPRING					
MAB-1010	1	Field Coil - U.R.					EB-8711	1	S-A Assembly					
MAF-59	2	Field Coil Connector					EB-8734	1	Take-Up Spring					
MAN-14	1	Terminal					MAB-1024	1	Head Band Assembly					
MN-21	2	Dowel Pin					MAB-2040A	1	INTERMEDIATE BRG. ASSY.					
MU-28	1	Terminal Post					MG-77A	1	Absorbent Bronze Brg.					
MU-37	1	5/16 Plain Washer					PS-1043	1	Pinion Housing Assembly					
MU-39	1	Insulating Washer					MAB-88	1	Dowel Pin					
X-1014	1	5/16 Lock Washer					MP-41A	1	Absorbent Bronze Brg.					
5X-1376	1	5/16-24 Hex. Nut					X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
X-199	2	1/4 Lock Washer					8X-794	1	#10-32 Square Nut					
X-1014	1	5/16 Lock Washer							1	2	3	4	5	
5X-1376	1	5/16-24 Hex. Nut												
<u>Comm. End Plate Assy. & Parts Used With</u>														
MAB-2002	1	Comm. End Plate Assembly												
MZ-16	2	Brush Holder												
MZ-19	4	Brush Spring												
MZ-40A	1	Absorbent Bronze Brg.												
MZ-1034	2	BRUSH ASSY.- GROUNDED												
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet												
		1	2	3	4	5								

UNIT	APPLICATION
MAB-4080	Continental

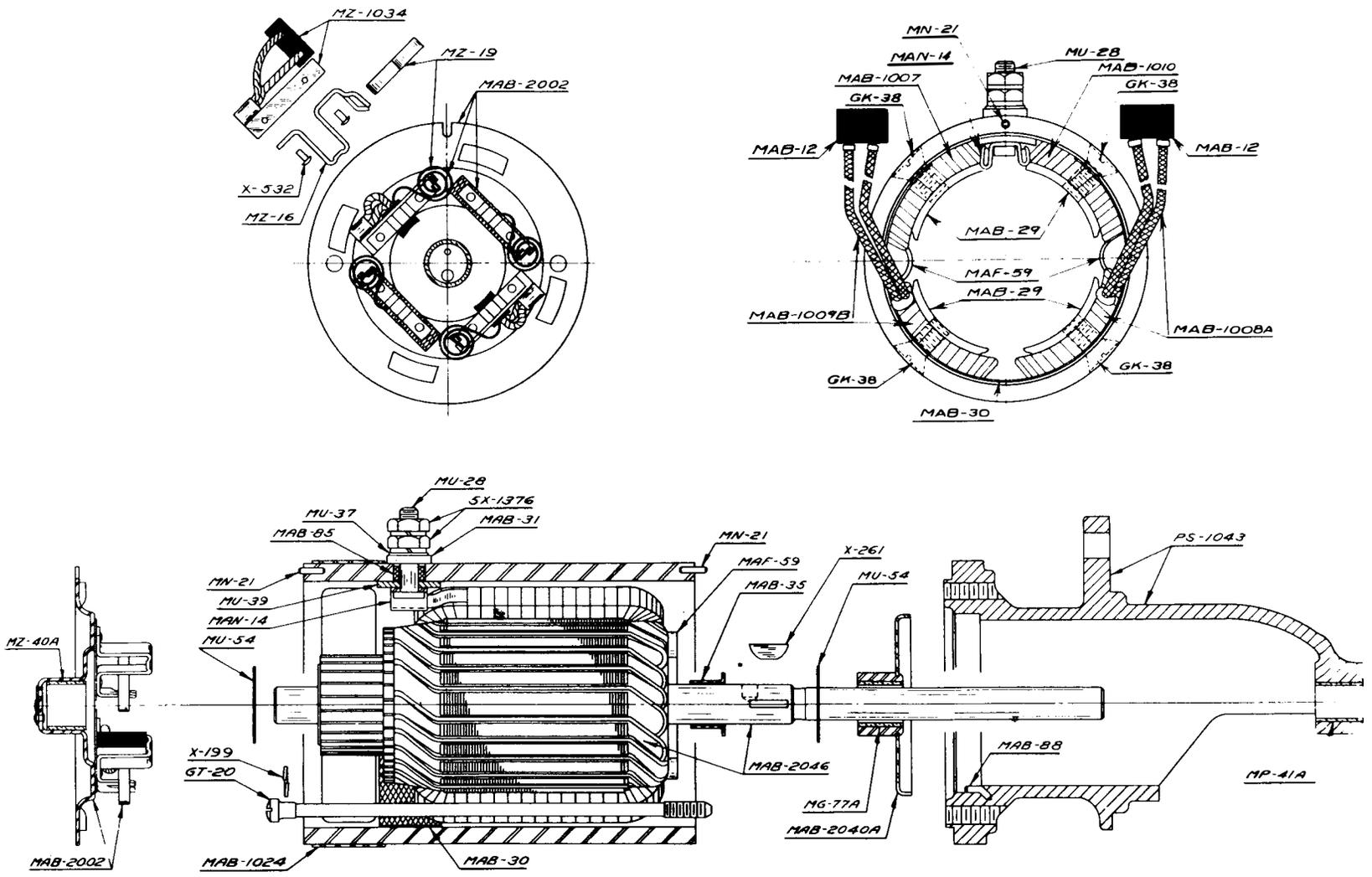
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MAB-4080 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4081 STARTING MOTOR PARTS LIST

MAB-4081

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2082)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-83	1	Ins. Washer					
MAB-84	1	Terminal Post					
MAB-1007G	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010F	1	Field Coil - U.R.					
MAF-31	1	Ins. Bushing					
MAF-43	1	Ins. Washer					
MAF-48A	1	Ins. Washer					
MAF-59	2	Field Coil Connector					
MN-21	2	Dowel Pin					
X-199	2	1/4 Lock Washer					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/3x1/4 Oval Hd. Tub. Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2046	1	Armature Assembly					
MAB-35	1	Bearing Thrust Spacer					
MU-54	2	Thrust Washer					
X-261	1	#6 Woodruff Key					

Switch Assembly & Parts Used With

SW-3752S	1	Starting Switch					
X-196	4	#10 Lock Washer					
8X-321	4	#10-32x5/16 Rd. Hd. Screw					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Miscellaneous Parts

EB-87	1	Bendix Drive Assembly					
MAB-1024	1	Head Band Assembly					
MAB-2040	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1024	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MP-41A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

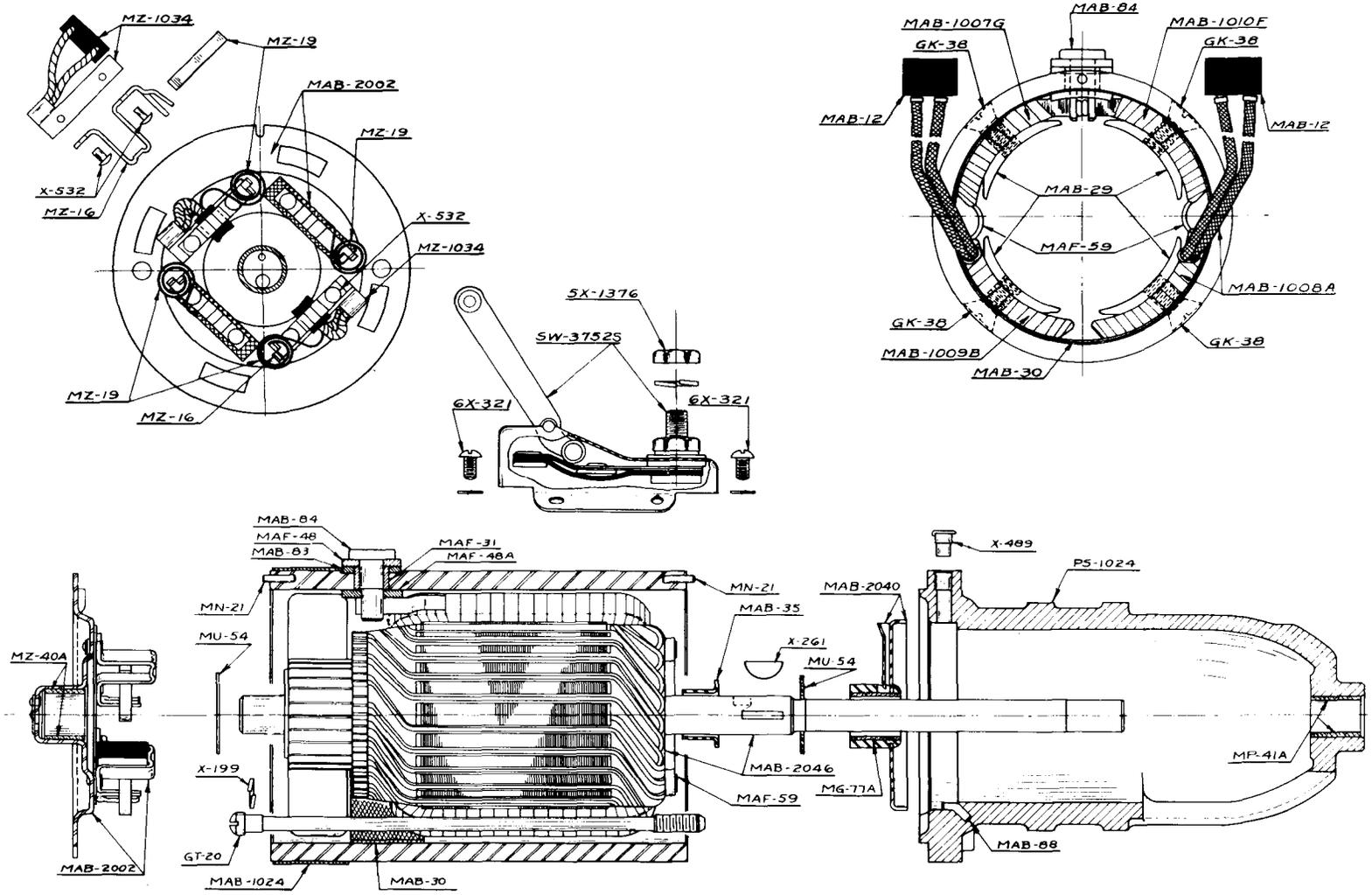
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MAB-4081 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4083 STARTING MOTOR PARTS LIST

MAB-4083

Frame & Field Assy. With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	BRUSH					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	BRUSH					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assy. & Parts Used With

MAB-2002	1	Comm. End Plate Assembly					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	BRUSH ASSY.- GROUNDED					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	ARMATURE ASSEMBLY					
MAB-35	1	Bearing Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					

Switch Assembly & Parts Used With

SS-6L	1	Connector					
SS-4001	1	SOLENOID STARTING SWITCH					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					

Miscellaneous Parts

EBA-2	1	BENDIX DRIVE ASSEMBLY					
EB-108	2	Lock Washer					
EB-7806	1	Hd. Spring Bolt or Screw					
EB-7807	1	Shaft Spring Screw					
EB-7819S	1	Compression Sleeve					
EB-8503	1	Driving Head					
EB-8705	1	DRIVE SPRING					
EB-8734	1	Take-Up Spring					
EBA-211	1	S-A Assembly					
MAB-1024	1	Head Band Assembly					
MAB-2040A	1	INTERMEDIATE BRG. ASSY.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1082	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 12-7-39)

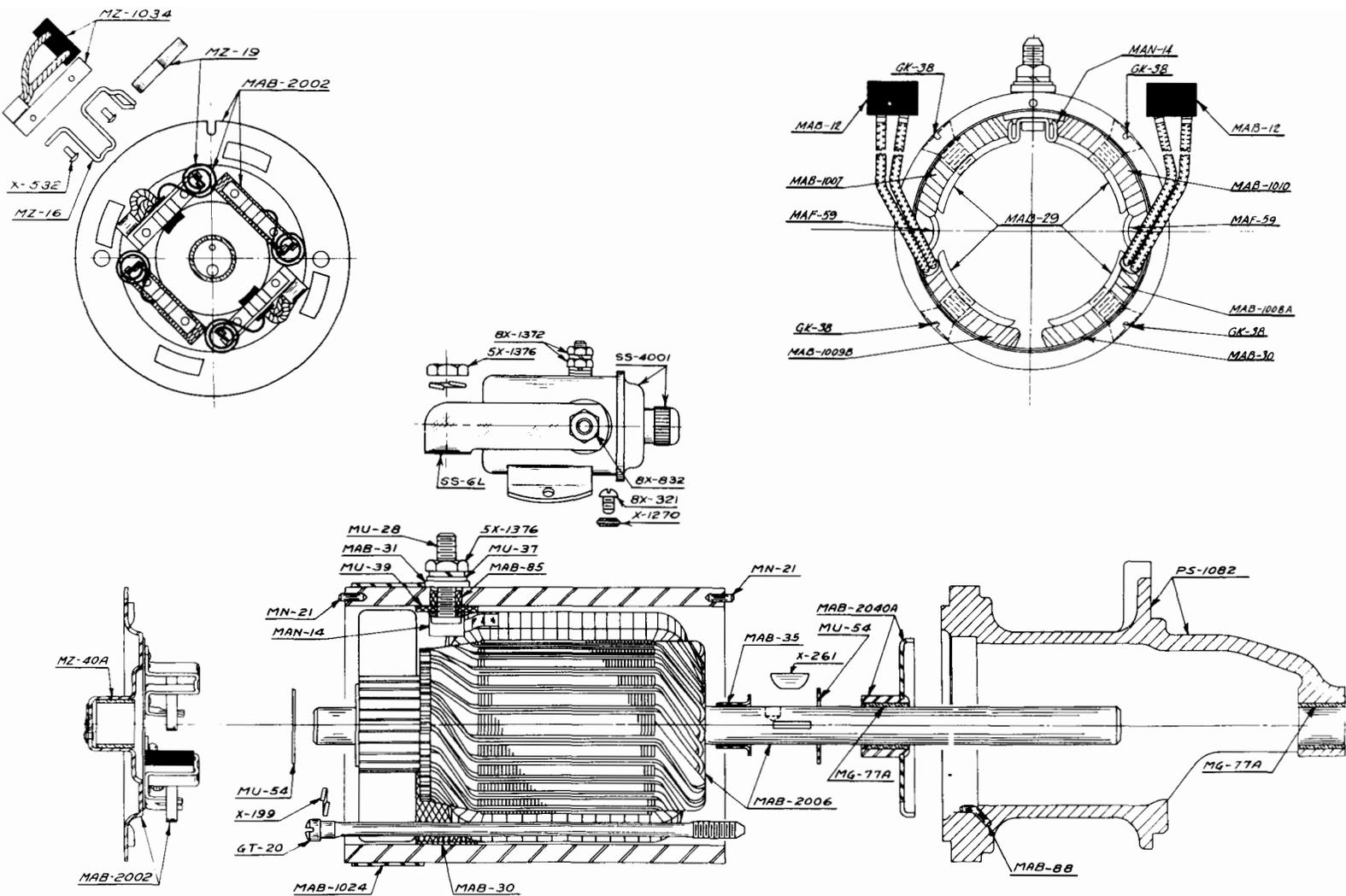
UNIT	APPLICATION
MAB-4083	Checker Cab

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Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

MAB-4083 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4084 STARTING MOTOR PARTS LIST

MAB-4084

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2001)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	Armature Assembly					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					

Miscellaneous Parts

EBA-2	1	Bendix Drive Assy.					
MAB-1024	1	Head Band Assy.					
MAB-2040A	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1115	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

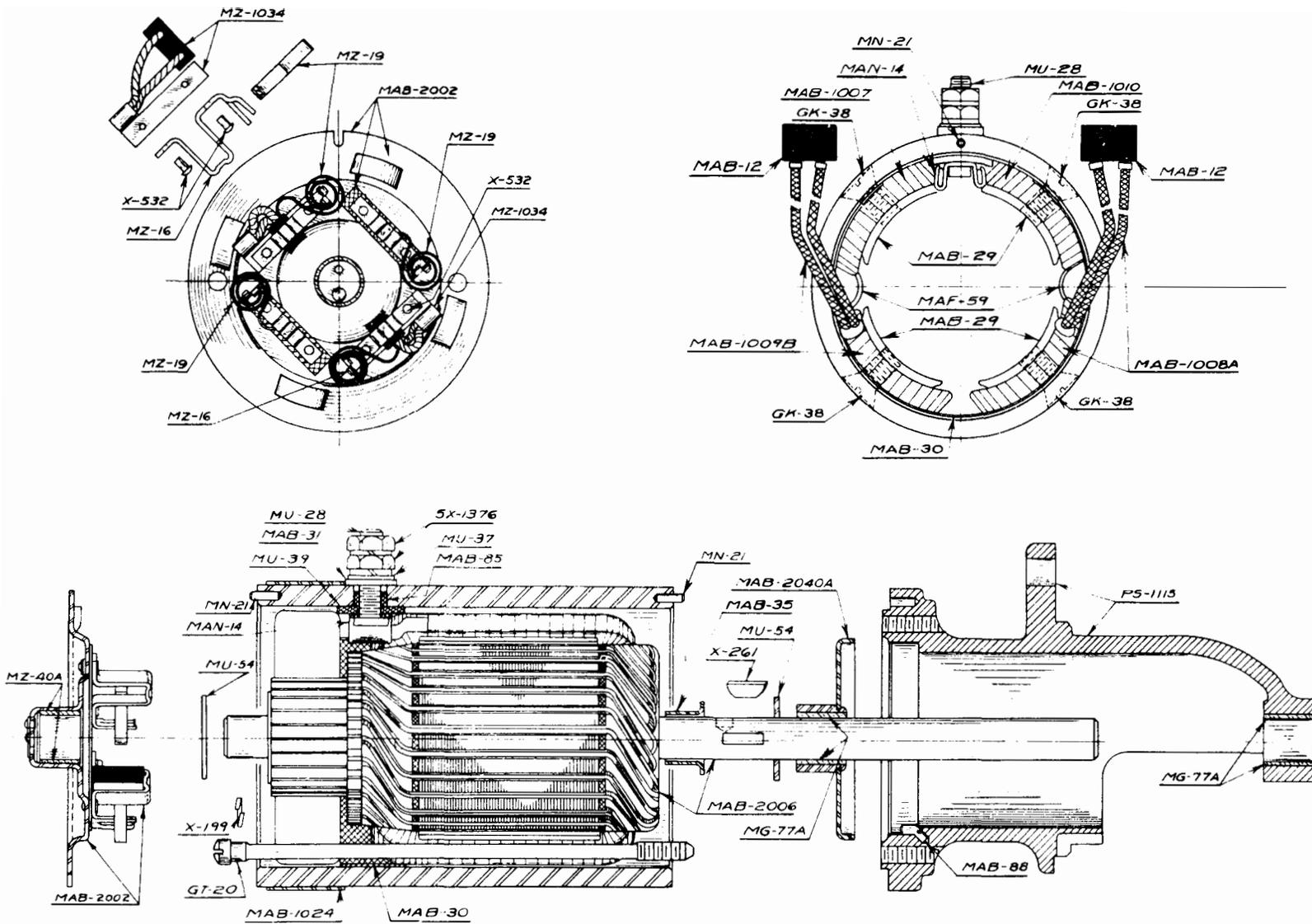
(Issued 7-19-37)

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File in
Equipment & Parts Lists Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

MAB-4084 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4085,A,B, STARTING MOTOR PARTS LIST

MAB-4085,A,B

Frame & Field Assembly & Parts Used With			Miscellaneous Parts		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GT-20A	2	Bolt, Thru	EB-33	1	BENDIX DRIVE ASSY.
(MAB-2001)	1	Frame & Field Assy.	EB-508	2	Washer, Lock
GK-38	4	Screw, Pole Shoe	EB-2303	1	Head, Drive
MAB-12 †	2	Brush	EB-2319S	1	Sleeve, Compression
MAB-30	1	Insulation, Field Connection	EB-2322	2	Clip, Spring Support
MAB-31	1	Washer, Ins., Term. Stud, Outer	EB-2406	1	Screw, Spring, Head
MAB-65	1	Terminal	EB-2407	1	Screw, Spring, Shaft
MAB-85	1	Bushing, Ins., Term. Stud	EB-3105	1	SPRING, DRIVE
MAB-3005S	1	FIELD COIL PACKAGE	EB-3311	1	Shaft, & Pinion
MAB-1007	1	Coil, Field, U.L.	*	1	Band, Cover
MAB-1008	1	Coil, Field, L.R.	MAB-2040	1	BEARING ASSY., INTERMEDIATE
MAB-1009	1	Coil, Field, L.L.	MG-77A	1	Bearing, Abs. Bronze
MAB-1010	1	Coil, Field, U.R.	PS-1115	1	Housing Assy., Pinion
MAF-59	2	Connector, Field Coil	MAB-88	1	Pin, Dowel
MN-21	2	Pin, Dowel	MG-77A	1	BEARING, ABS. BRONZE
MU-28	1	Stud, Terminal, 5/16-24	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
MU-37	1	Washer, Plain, Term. Stud, 5/16	8X-794	1	Nut, Cover Band, Square #10-32
MU-39	1	Washer, Ins., Term. Stud, Inner			
12X-1014	2	Lockwasher, Term. Stud, 5/16			
5X-1376	2	Nut, Term. Stud, Hex. 5/16-24			
X-199	2	Lockwasher, Thru Bolt, 1/4			
Comm. End Head Assembly & Parts Used With			NOTE: - MAB-4085A,B STARTING MOTORS use EBA-11 Bendix Drive Assy. with sub parts as noted below:		
MAB-2002	1	Head Assy., Comm. End	EBA-11	1	BENDIX DRIVE ASSY.
MZ-19	4	Spring, Brush	EB-108	2	Lockwasher
MZ-1034S †	2	Brush, Grounded	EB-7806	1	Screw, Spring, Head
Armature Assembly & Parts Used With			EB-7807	1	Screw, Spring, Shaft
MAB-2006	1	ARMATURE ASSY.	EB-7819S	1	Sleeve, Compression
MAB-35	1	Spacer, Bearing Thrust	EB-8503	1	Head, Driving
MU-54	2	Washer, Thrust, 1/32" Thick	EB-8705	1	SPRING, DRIVE
X-261	1	Key, Woodruff, #6	EB-8734	1	Ring, Take-Up
			EBA-1111	1	Shaft & Pinion
			† BRUSH SET, SERVICE MAB-2012AS.		
			* See table following parts list for part number applying to assembly wanted.		
			Assembly No.	Cover Band	
			MAB-4085	MAB-1024E	
			MAB-4085A	MAB-1024E	
			MAB-4085B	MAB-1024G	

(Issued 10-18-48)

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4087 STARTING MOTOR PARTS LIST

MAB-4087

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy. - Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-87	1	Felt Washer					
MAB-2086	1	Armature Assembly					
ML-32	1	Thrust Washer					
MU-54	1	Thrust Washer					
X-261	1	#6 Woodruff Key					

Switch Assembly & Parts Used With

SS-6L	1	Connector					
SS-4001	1	Solenoid Starting Switch					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					

Miscellaneous Parts

EBA-2	1	Bendix Drive Assembly					
MAB-1024	1	Head Band Assembly					
MR-33	1	Plug					
PS-1034	1	Pinion Housing Assy.					
MG-77A	1	Absorbent Bronze Brg.					
ML-21A	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

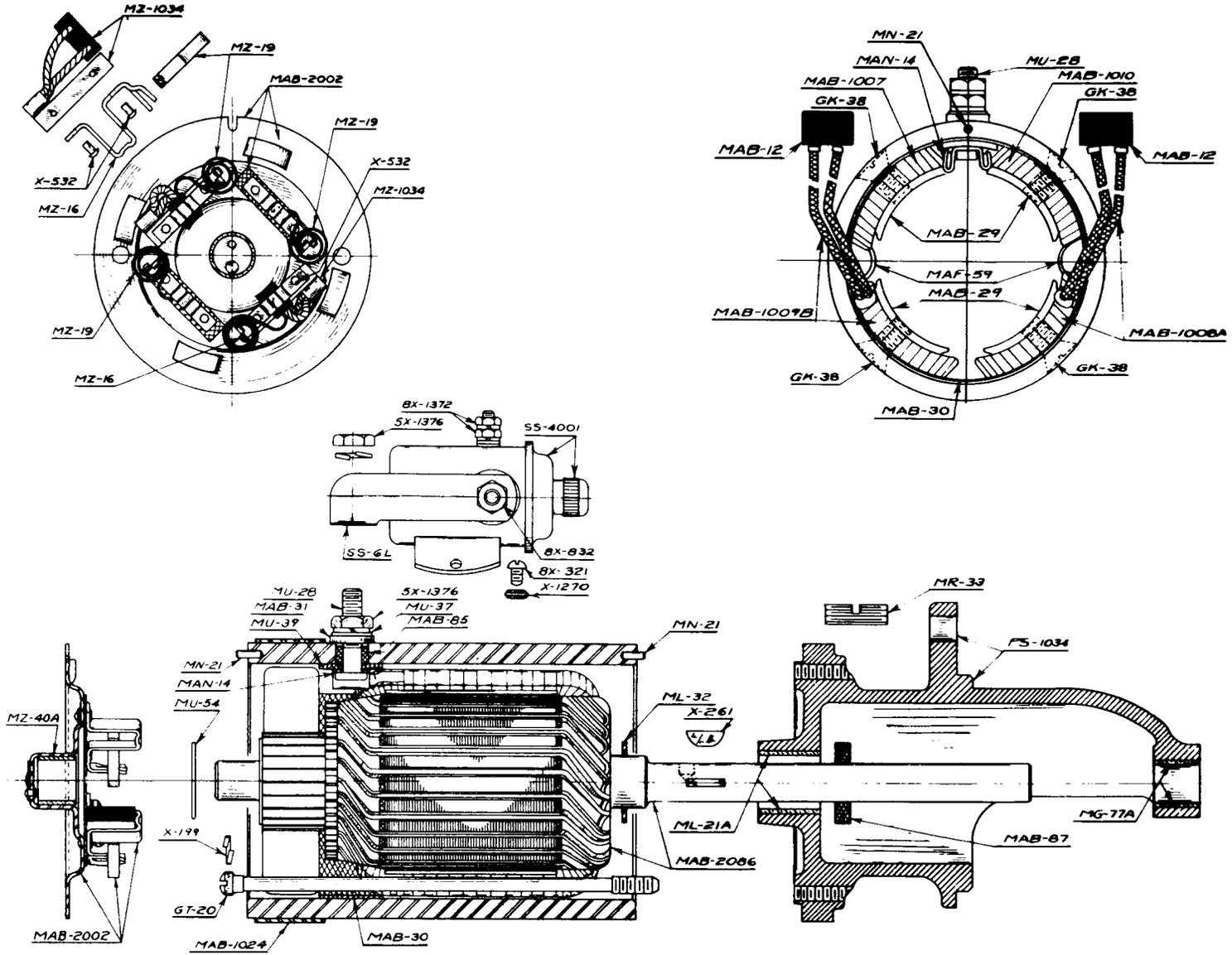
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MAB-4087 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4088 STARTING MOTOR PARTS LIST

MAB-4088

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GT-20	2	Frame Screw				
(MAB-2112)	1	Frame & Field Assy.				
GK-38	4	Pole Piece Screw				
MAB-29	4	Pole Piece				
MAB-30	1	Field Connection Ins.				
MAB-31	1	Insulating Washer				
MAB-85	1	Insulating Bushing				
MAB-1007	1	Field Coil - U.L.				
MAB-1008A	1	Field Coil & Brush Assy. - L.R.				
MAB-12	1	Brush				
MAB-1009B	1	Field Coil & Brush Assy. - L.L.				
MAB-12	1	Brush				
MAB-1010	1	Field Coil - U.R.				
MAF-59	2	Field Coil Connector				
MAN-14	1	Terminal				
MN-21	2	Dowel Pin				
MU-28	1	Terminal Post				
MU-37	1	5/16 Plain Washer				
MU-39	1	Insulating Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				
X-199	2	1/4 Lock Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.				
MZ-16	2	Brush Holder				
MZ-19	4	Brush Spring				
MZ-40A	1	Absorbent Bronze Brg.				
MZ-1034	2	Brush Assy. - Grounded				
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
MAB-2006	1	Armature Assembly				
MAB-35	1	Brg. Thrust Spacer				
MU-54	2	Thrust Washer - 1/32" Thick				
X-261	1	#6 Woodruff Key				

Switch Assembly & Parts Used With

SS-6L	1	Connector				
SS-4001	1	Solenoid Starting Switch				
12X-195	1	#10 Lock Washer				
8X-832	2	5/16-24 Hex. Nut				
12X-1014	2	5/16 Lock Washer				
8X-1372	1	#10-32 Hex. Nut				
8X-321	2	#10-32x5/16 Rd. Hd. Screw				
X-1270	2	#10 Skpf. Washer				

Miscellaneous Parts

EBA-2	1	Bendix Drive Assy.				
MAB-1024	1	Head Band Assy.				
MAB-2040	1	Intermediate Brg. Assy.				
MG-77A	1	Absorbent Bronze Brg.				
PS-1127	1	Pinion Housing Assy.				
MAB-88	1	Dowel Pin				
MG-77A	1	Absorbent Bronze Brg.				
X-489	1	1/4 Oiler - Press in Type				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 7-19-37)

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Equipment & Parts Lists Binder

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4089 STARTING MOTOR PARTS LIST

MAB-4089

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GT-20	2	Frame Screw				
(MAB-2112)	1	Frame & Field Assy.				
GK-38	4	Pole Piece Screw				
MAB-29	4	Pole Piece				
MAB-30	1	Field Connection Ins.				
MAB-31	1	Insulating Washer				
MAB-85	1	Insulating Bushing				
MAB-1007	1	Field Coil - U.L.				
MAB-1008A	1	Field Coil & Brush Assy.- L.R.				
MAB-12	1	Brush				
MAB-1009B	1	Field Coil & Brush Assy.- L.L.				
MAB-12	1	Brush				
MAB-1010	1	Field Coil - U.R.				
MAF-59	2	Field Coil Connector				
MAN-14	1	Terminal				
MN-21	2	Dowel Pin				
MU-28	1	Terminal Post				
MU-37	1	5/16 Plain Washer				
MU-39	1	Insulating Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				
X-199	2	1/4 Lock Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				

Comm. End Plate Assembly & Parts Used With

MAB-3002	1	Comm. End Plate Assy.				
MZ-16	2	Brush Holder				
MZ-19	4	Brush Spring				
MZ-40A	1	Absorbent Bronze Brg.				
MZ-1034	2	Brush Assy. - Grounded				
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet				
		1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
MAB-2006	1	Armature Assembly				
MAB-35	1	Brg. Thrust Spacer				
MU-54	2	Thrust Washer - 1/32" Thick				
X-261	1	#6 Woodruff Key				

Switch Assembly & Parts Used With

SS-6L	1	Connector				
SS-4001	1	Solenoid Starting Switch				
12X-196	1	#10 Lock Washer				
8X-832	2	5/16-24 Hex. Nut				
12X-1014	2	5/16 Lock Washer				
8X-1372	1	#10-32 Hex. Nut				
8X-321	2	#10-32x5/16 Rd. Hd. Screw				
X-1270	2	#10 Skpf. Washer				

Miscellaneous Parts

EB-99	1	Bendix Drive Assy.				
MAB-1024	1	Head Band Assembly				
MAB-2040	1	Intermediate Brg. Assy.				
MG-77A	1	Absorbent Bronze Brg.				
PS-1127	1	Pinion Housing Assembly				
MAB-88	1	Dowel Pin				
MG-77A	1	Absorbent Bronze Brg.				
X-489	1	1/4 Oiler - Press in Type				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

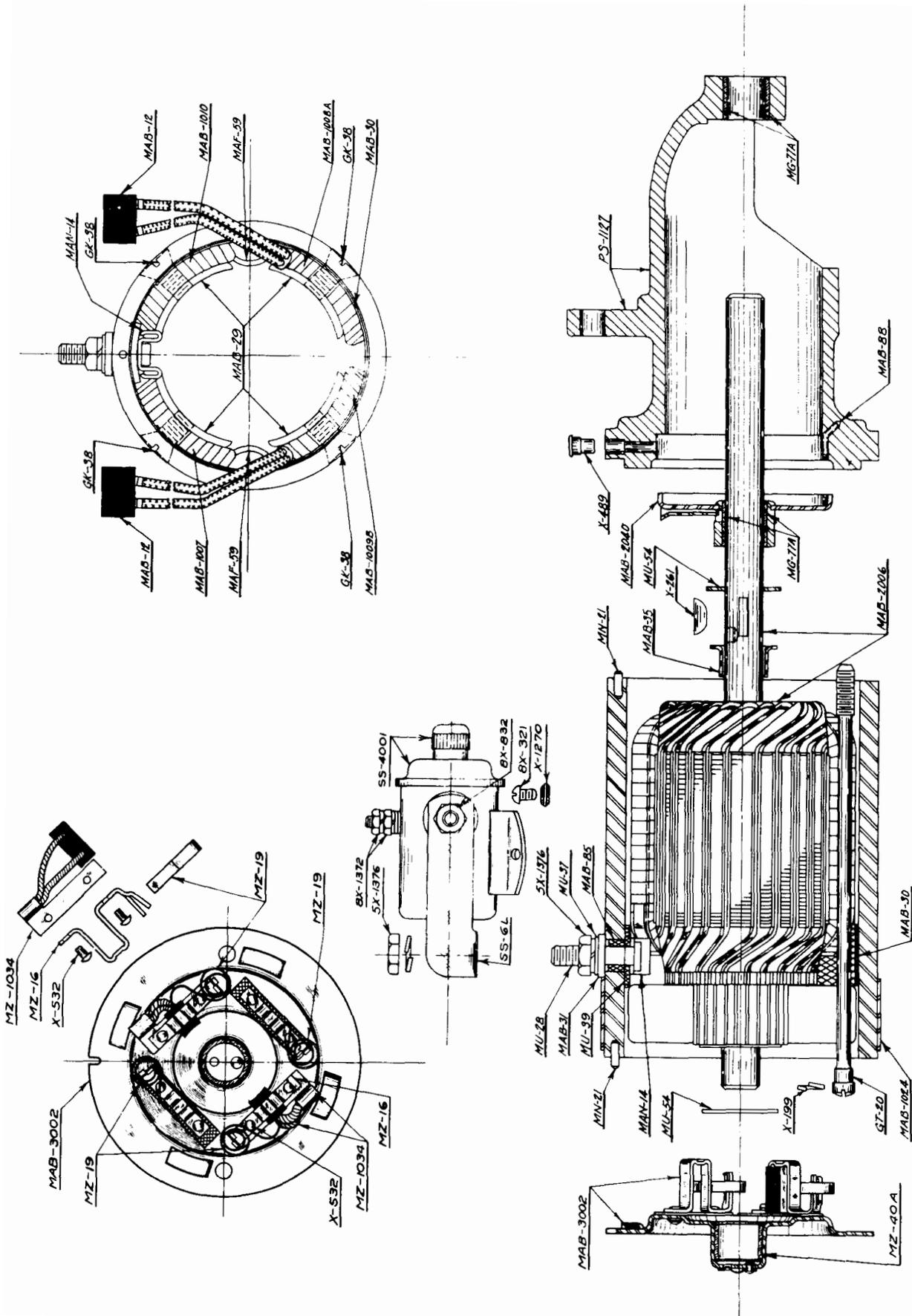
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

MAB-4089 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4090 STARTING MOTOR PARTS LIST

MAB-4090

PRELIMINARY

Frame & Field Assembly With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2001)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12‡	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12‡	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-3002	1	Comm. End Plate Assembly					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-1034‡	2	Brush Assy.- Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	ARMATURE ASSEMBLY					
MAB-35	1	Bearing Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					

Miscellaneous Parts

EB-51	1	BENDIX DRIVE ASSEMBLY					
EB-508	2	Lock Washer					
EB-2303	1	Driving Head					
EB-2319S	1	Compression Sleeve					
EB-2405	1	DRIVING SPRING					
EB-2406	1	Hd. Spr. Bolt or Screw					
EB-2407	1	Shaft Spring Screw					
EB-2622	2	Spring Support Clip					
EB-5111	1	S-A Assembly					
MAB-1024	1	Head Band Assembly					
MAB-2040	1	INTERMEDIATE BEARING ASSY.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1003	1	Pinion Housing Assembly					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 10-7-41)

‡ SERVICE BRUSH SET MAB-2012S.

UNIT	APPLICATION
MAB-4090	Universal

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4091 STARTING MOTOR PARTS LIST

MAB-4091

Frame & Field Assy. with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Ins. Washer					
MAB-85	1	Ins. Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.-L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.-L.L.					
MAB-12	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Ins. Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assy. & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	Absorbent Bronze Brg.					
MZ-1034	2	Brush Assy.-Grounded					
X-532	4	1/8x1/4 Oval Hd.Tub.Rivet					
			1	2	3	4	5

Armature Assy. & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2006	1	Armature Assy.					
MAB-35	1	Brg. Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					

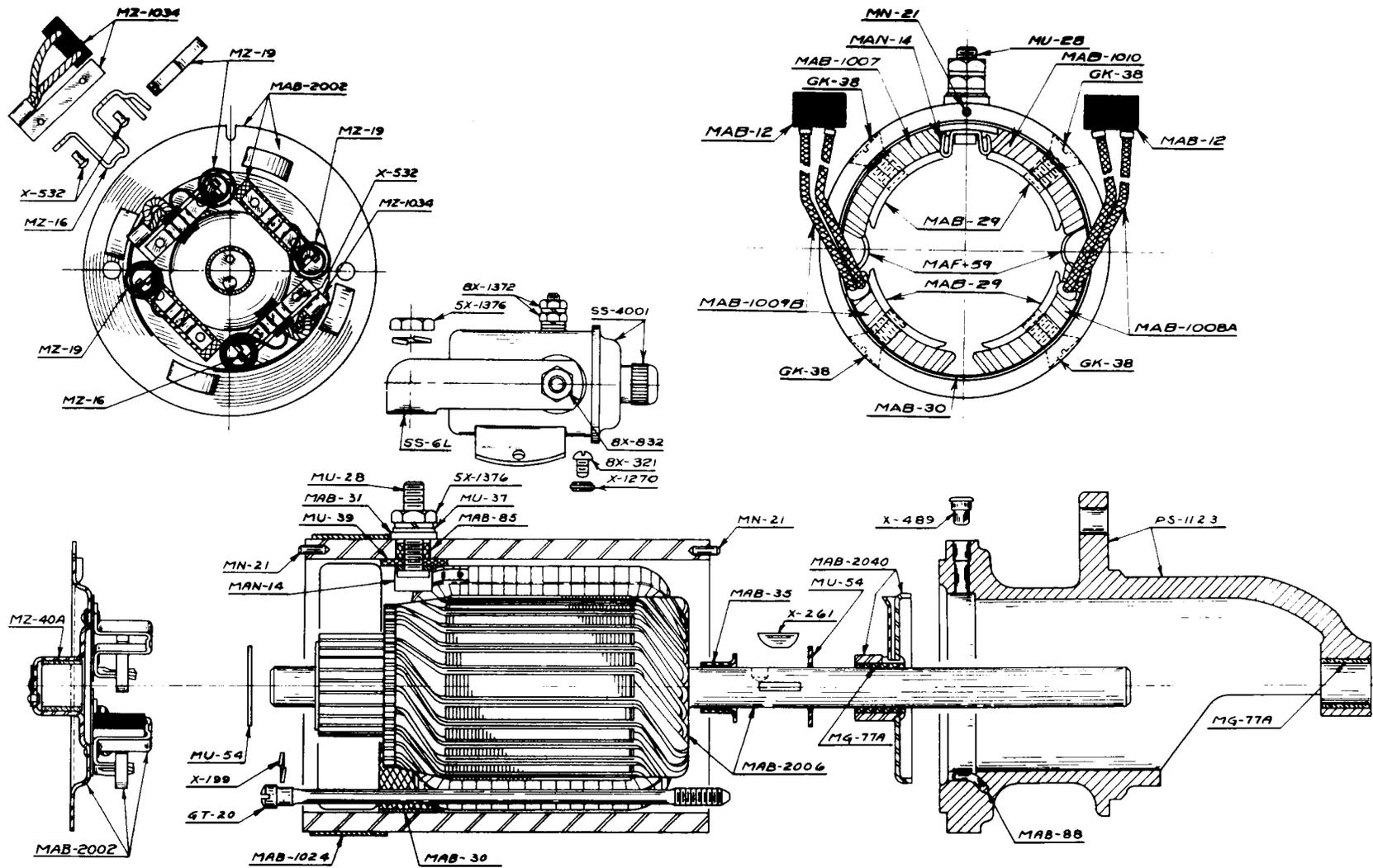
Miscellaneous Parts

EBA-2	1	Bendix Drive Assembly					
MAB-1024	1	Head Band Assy.					
MAB-2040	1	Intermediate Brg. Assy.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1123	1	Pinion Housing Assy.					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					

Switch Assy. & Parts Used With

SS-6L	1	Connector					
SS-4001	1	Solendid Starting Switch					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					
			1	2	3	4	5

(Issued 11-30-37)



MAB-4091 STARTING MOTOR ILLUSTRATION

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4092 STARTING MOTOR PARTS LIST

MAB-4092

Frame & Field Assembly With Terminal Stud & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GT-20	2	Bolt, Thru				
(MAB-2112)	1	Frame & Field Assy.				
GK-38	4	Screw, Pole Shoe				
MAB-12‡	2	Brush				
MAB-30	1	Insulation, Field Connection				
MAB-31	1	Washer, Ins., Term. Stud, Outer				
MAB-85	1	Bushing, Ins., Term. Stud				
MAB-1007	1	Coil, Field, U.L.				
MAB-1008	1	Coil, Field, L.R.				
MAB-1009	1	Coil, Field, L.L.				
MAB-1010	1	Coil, Field, U.R.				
MAF-59	2	Connector, Field Coil				
MAN-14	1	Terminal				
MN-21	2	Pin, Dowel				
MU-28	1	Stud, Terminal				
MU-37	1	Washer, Plain, Term. Stud, 5/16				
MU-39	1	Washer, Ins., Term. Stud, Inner				
X-1014	1	Washer, Lock, Term. Stud, 5/16				
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24				
X-199	2	Washer, Lock, Thru Bolt, 1/4				
X-1014	1	Washer, Lock, Term. Stud, 5/16				
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24				

Comm. End Head Assembly & Parts Used With

MAB-2002	1	Head Assy., Comm. End				
MZ-16	2	Holder, Brush				
MZ-19	4	Spring, Brush				
MZ-1034‡	2	Brush, Grounded				
X-532	4	Rivet, Oval hd., 1/8x1/4				

Armature Assembly & Parts Used With

MAB-2006	1	Armature Assy.				
MAB-35	1	Spacer, Bearing Thrust				
MU-54	2	Washer, Arm. Thrust, Comm. End & Intermediate				
X-261	1	Key, Woodruff, #6				
		1	2	3	4	5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
SS-6L	1	Connector				
SS-4001	1	Solenoid Starting Switch				
12X-196	1	Washer, Lock, #10				
8X-832	2	Nut, Hex., 5/16-24				
12X-1014	2	Washer, Lock, 5/16				
8X-1372	1	Nut, Hex., #10-32				
8X-321	2	Screw, Mtg. Switch, Rd. hd., #10-32x5/16				
X-1270	2	Washer, Skpf., Switch Mtg. Sc., #10				
<u>Miscellaneous Parts</u>						
EBA-11	1	Bendix Drive Assy.				
EB-108	2	Washer, Lock				
EB-7806	1	Screw, Spring, Head				
EB-7807	1	Screw, Spring, Shaft				
EB-7819S	1	Sleeve, Compression				
EB-8503	1	Head, Driving				
EB-8705	1	Spring, Drive				
EB-8734	1	Ring, Take up				
EBA-1111	1	Shaft & Pinion				
MAB-1024	1	Band, Cover				
MAB-2040	1	Bearing Assy., Intermediate				
MG-77A	1	Bearing, Absorbent Bronze				
PS-1123A	1	Housing Assy., Pinion				
MAB-88	1	Pin, Dowel				
MG-77A	1	Bearing, Absorbent Bronze				
X-489	1	Oiler, Hinge Top, Press in, 1/4				
X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
8X-794	1	Nut, Cover Band, Square, #10-32				
		1	2	3	4	5

(Issued 3-4-44)

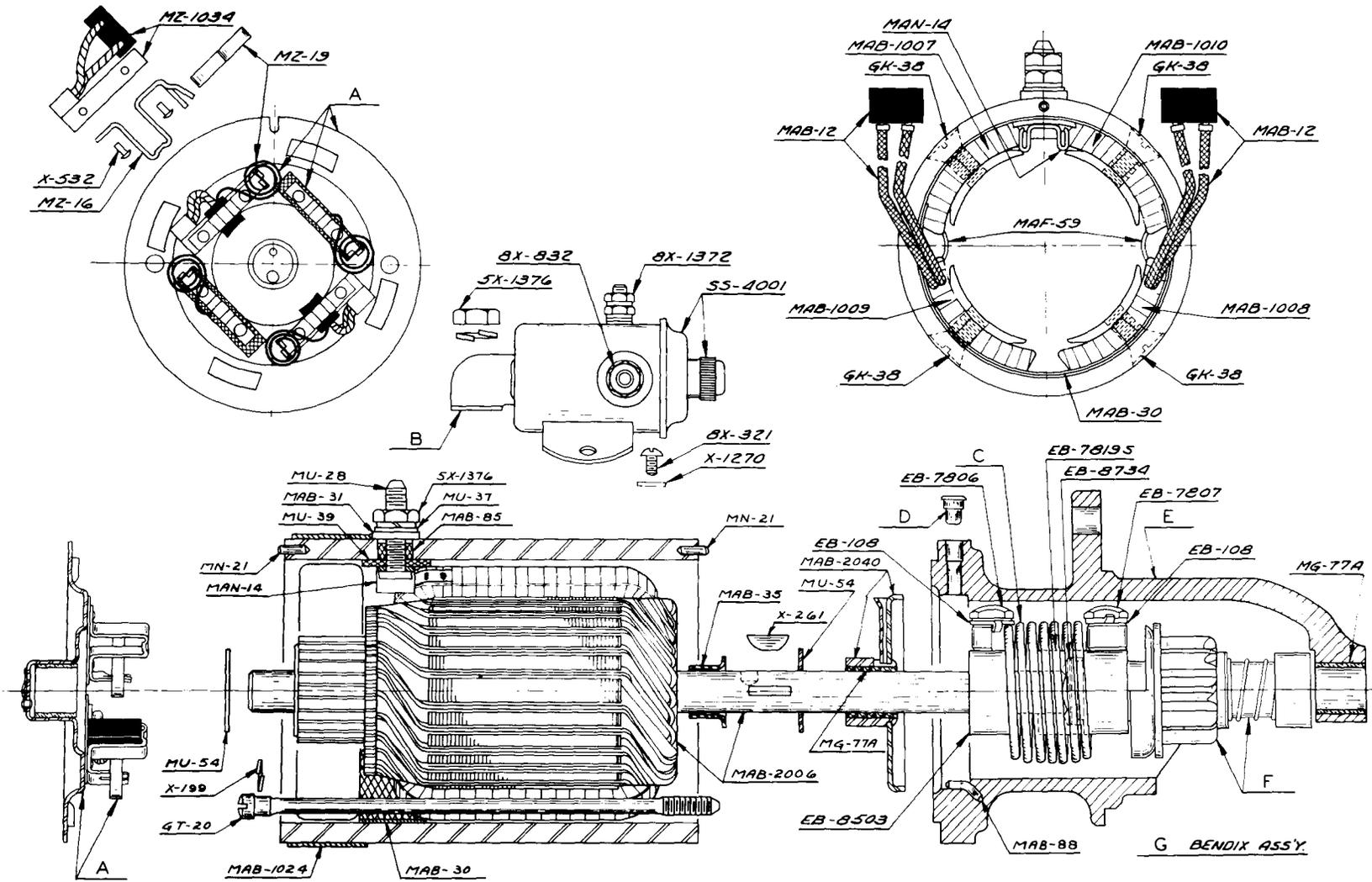
‡ Contact Set, Service, MAB-2012S.

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

File in
Equipment & Parts List Binder

MAB-4092 STARTING MOTOR ILLUSTRATION



UNIT	A	B	C	D	E	F	G
MAB-4092	MAB-2002	SS-6L	EB-8705	X-489	PS-1123A	EBA-1111	EBA-11

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

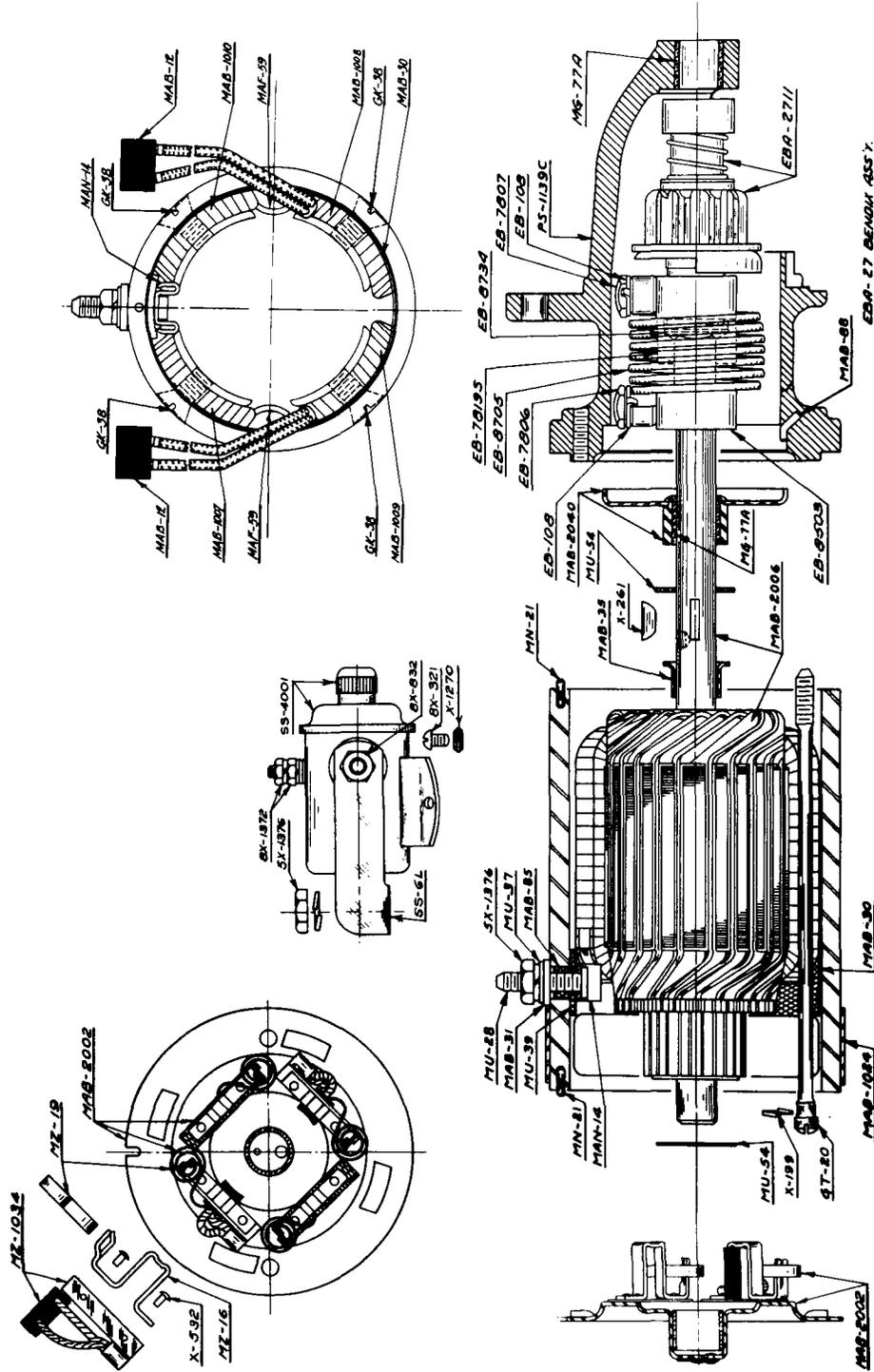
MAB-4093 STARTING MOTOR PARTS LIST

MAB-4093

Frame & Field Assembly With Terminal Stud & Parts Used With						Switch Assembly & Parts Used With								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part					
		1	2	3	4	5			1	2	3	4	5	
GT-20	2	Bolt, Thru					SS-6L	1	Connector					
(MAB-2112)	1	Frame & Field Assy.					SS-4001	1	Solenoid Starting Switch					
GK-38	4	Screw, Pole Shoe					12X-196	1	Washer, Lock, #10					
MAB-12†	2	Brush					8X-832	2	Nut, Hex., 5/16-24					
MAB-30	1	Insulation, Field Connection					12X-1014	2	Washer, Lock, 5/16					
MAB-31	1	Washer, Ins., Term. Stud, Outer					8X-1372	1	Nut, Hex., #10-32					
MAB-85	1	Bushing, Ins., Term. Stud					8X-321	2	Screw, Mtg. Switch, Rd. hd., #10-32x5/16					
MAB-1007	1	Coil, Field, U.L.					X-1270	2	Washer, Skpf., Switch Mtg. Sc., #10					
MAB-1008	1	Coil, Field, L.R.					<u>Miscellaneous Parts</u>							
MAB-1009	1	Coil, Field, L.L.					EBA-27	1	Bendix Drive Assembly					
MAB-1010	1	Coil, Field, U.R.					EB-108	2	Washer, Lock					
MAF-59	2	Connector, Field Coil					EB-7806	1	Screw, Spring, Head					
MAN-14	1	Terminal					EB-7807	1	Screw, Spring, Shaft					
MN-21	2	Pin, Dowel					EB-7819S	1	Sleeve, Compression					
MU-28	1	Stud, Terminal					EB-8503	1	Head, Driving					
MU-37	1	Washer, Plain, Term. Stud, 5/16					EB-8705	1	Spring, Drive					
MU-3 ^c	1	Washer, Ins., Term. Stud, Inner					EB-8734	1	Ring, Take up					
X-1014	1	Washer, Lock, Term. Stud, 5/16					EBA-2711	1	Shaft & Pinion					
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24					MAB-1024	1	Band, Cover					
X-199	2	Washer, Lock, Thru Bolt, 1/4					MAB-2040	1	Bearing Assy., Intermediate					
X-1014	1	Washer, Lock, Term. Stud, 5/16					MG-77A	1	Bearing, Absorbent Bronze					
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24					PS-1139C	1	Housing Assy., Pinion					
<u>Comm. End Head Assembly & Parts Used With</u>						MAB-88	1	Pin, Dowel						
MAB-2002	1	Head Assy., Comm. End					MG-77A	1	Bearing, Absorbent Bronze					
MZ-16	2	Holder, Brush					X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4					
MZ-19	4	Spring, Brush					8X-794	1	Nut, Cover Band, Square, #10-32					
MZ-1034†	2	Brush, Grounded					1 2 3 4 5							
X-532	4	Rivet, Oval hd., 1/8x1/4					(Issued 3-4-44)							
<u>Armature Assembly & Parts Used With</u>														
MAB-2006	1	Armature Assy.												
MAB-35	1	Spacer, Bearing Thrust												
MU-54	2	Washer, Arm. Thrust, Comm. End & Intermediate												
X-261	1	Key, Woodruff, #6												
		1	2	3	4	5								

† Brush Set, Service, MAB-2012S.

MAB-4093 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4094 STARTING MOTOR PARTS LIST

MAB-4094

<u>Frame & Field Assembly with Terminal Post & Parts Used With</u>					<u>Armature Assembly & Parts Used With</u>									
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part					
		1	2	3	4	5			1	2	3	4	5	
GT-20	2	Frame Screw					MAB-2006	1	Armature Assembly					
(MAB-2001)	1	Frame & Field Assy.					MAB-35	1	Brg. Thrust Spacer					
GK-38	4	Pole Piece Screw					MU-54	2	Thrust Washer - 1/32" Thick					
MAB-29	4	Pole Piece					X-261	1	#6 Woodruff Key					
MAB-30	1	Field Connection Ins.					<u>Miscellaneous Parts</u>							
MAB-31	1	Insulating Washer					EBA-27	1	Bendix Drive Assy.					
MAB-85	1	Insulating Bushing					MAB-1024	1	Head Band Assembly					
MAB-1007	1	Field Coil - U.L.					MAB-2040A	1	Intermediate Brg. Assy.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					MG-77A	1	Absorbent Bronze Brg.					
MAB-12	1	Brush					PS-1139A	1	Pinion Housing Assy.					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					MAB-88	1	Dowel Pin					
MAB-12	1	Brush					MG-77A	1	Absorbent Bronze Brg.					
MAB-1010	1	Field Coil - U.R.					X-715	1	#10-32x1 1/4 Rd. Hd. Sc.					
MAF-59	2	Field Coil Connector					8X-794	1	#10-32 Square Nut					
MAN-14	1	Terminal							1	2	3	4	5	
MX-21	2	Dowel Pin					(Issued 8/12/38)							
MU-28	1	Terminal Post												
MU-37	1	5/16 Plain Washer												
MU-39	1	Insulating Washer												
X-1014	1	5/16 Lock Washer												
5X-1376	1	5/16-24 Hex. Nut												
X-199	2	1/4 Lock Washer												
X-1014	1	5/16 Lock Washer												
5X-1376	1	5/16-24 Hex. Nut												
<u>Comm. End Plate Assembly & Parts Used With</u>														
MAB-2002	1	Comm. End Plate Assy.												
MZ-16	2	Brush Holder												
MZ-19	4	Brush Spring												
MZ-40A	1	Absorbent Bronze Brg.												
MZ-1034	2	Brush Assy. - Grounded												
X-532	4	1/8x1/4 Oval Hd. Tub. Rivet												
		1	2	3	4	5								

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Equipment & Parts List Binder

"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4095 STARTING MOTOR PARTS LIST

MAB-4095

Frame & Field Assembly With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
(MAB-2082)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-63	1	Ins. Washer					
MAB-84	1	Terminal Post					
MAB-1007G	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	Brush					
MAB-1010F	1	Field Coil - U.R.					
MAF-31	1	Ins. Bushing					
MAF-48	1	Ins. Washer					
MAF-48A	1	Ins. Washer					
MAF-59	2	Field Coil Connector					
MN-21	2	Dowel Pin					
GT-20	2	Frame Screw					
X-199	2	1/4 Lock Washer					

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.
MZ-16	2	Brush Holder
MZ-19	4	Brush Spring
MZ-40A	1	Absorbent Bronze Erg.
MZ-1034	2	Brush Assy. - Grounded
X-532	4	1/8x1/4 Oval Hd. Tub. Rivet

Armature Assembly & Parts Used With

MAB-2046	1	Armature Assembly
MAB-35	1	Bearing Thrust Spacer
MU-54	2	Thrust Washer - 1/32" Thick
X-261	1	#6 Woodruff Key
		1 2 3 4 5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
SW-3737CS	1	Starting Switch					
X-196	4	#10 Lock Washer					
8X-321	4	#10-32x5/16 Rd. Hd. Screw					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Miscellaneous Parts

EB-87	1	Bendix Drive Assembly
MAB-2040	1	Intermediate Brg. Assy.
MG-77A	1	Absorbent Bronze Brg.
MAB-1024	1	Head Band Assy.
PS-1024	1	Pinion Housing Assy.
MAB-88	1	Dowel Pin
MP-41A	1	Absorbent Bronze Brg.
X-489	1	1/4 Oiler - Press in Type
X-715	1	#10-32x1 1/4 Rd. Hd. Screw
8X-794	1	#10-32 Square Nut
		1 2 3 4 5

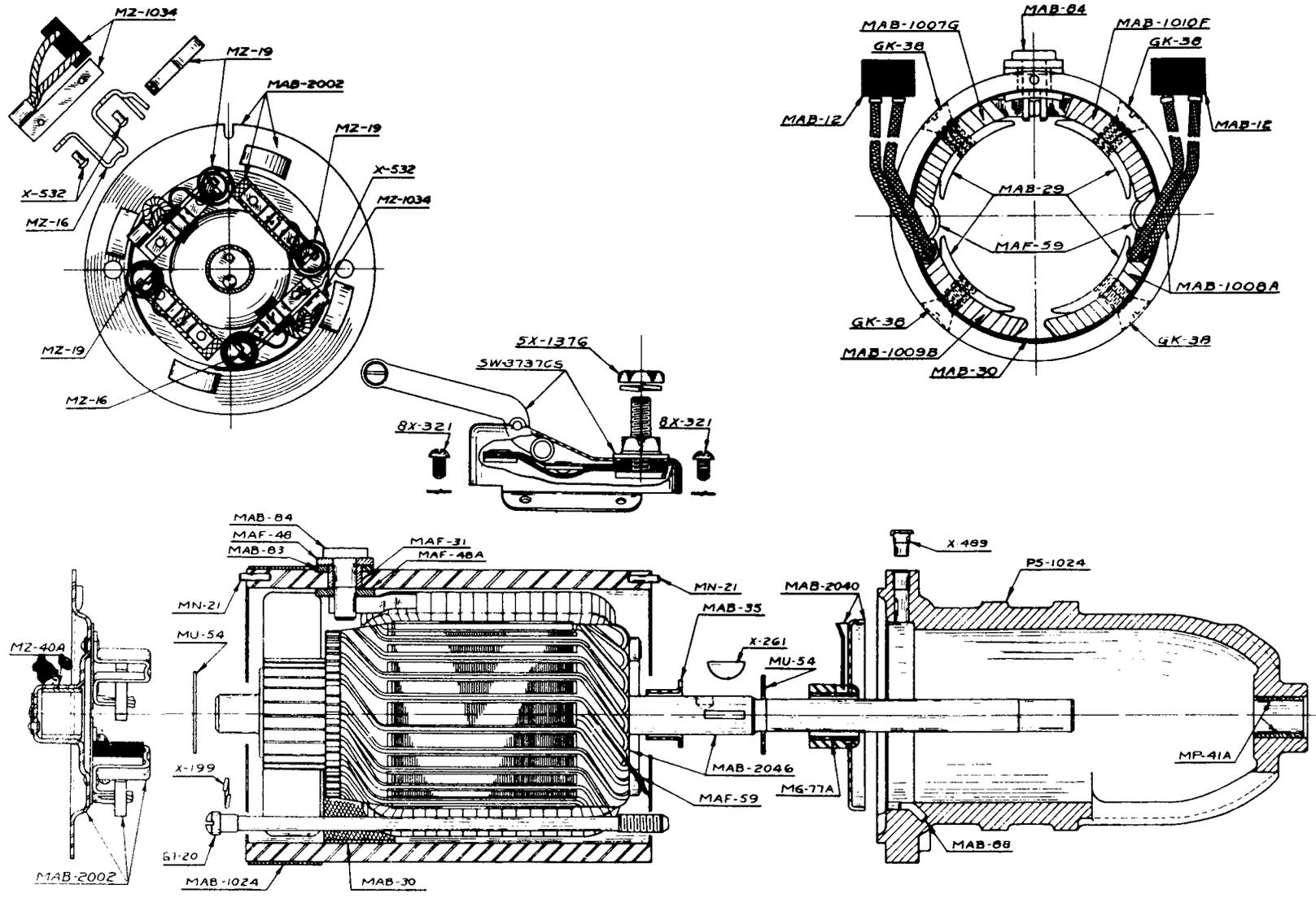
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MAB-4095 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4098 STARTING MOTOR PARTS LIST

MAB-4098

Frame & Field Assembly with Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GT-20	2	Frame Screw				
(MAB-2112)	1	Frame & Field Assy.				
GK-38	4	Pole Piece Screw				
MAB-29	4	Pole Piece				
MAB-30	1	Field Connection Ins.				
MAB-31	1	Insulating Washer				
MAB-85	1	Insulating Bushing				
MAB-1007	1	Field Coil - U.L.				
MAB-1008A	1	Field Coil & Brush Assy.- L.R.				
MAB-12	1	BRUSH				
MAB-1009B	1	Field Coil & Brush Assy.- L.L.				
MAB-12	1	BRUSH				
MAB-1010	1	Field Coil - U.R.				
MAF-59	2	Field Coil Connector				
MAN-14	1	Terminal				
MM-21	2	Dowel Pin				
MU-28	1	Terminal Post				
MU-37	1	5/16 Plain Washer				
MU-39	1	Insulating Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				
X-199	2	1/4 Lock Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assy.				
MZ-16	2	Brush Holder				
MZ-19	4	Brush Spring				
MZ-40A	1	ABSORBENT BRONZE BRG.				
MZ-1034	2	BRUSH ASSY.-GROUNDED				
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet				

Armature Assembly & Parts Used With

MAB-2006	1	ARMATURE ASSEMBLY				
MAB-35	1	Brg. Thrust Spacer				
MU-54	2	Thrust Washer-1/32" Thick				
X-261	1	#6 Woodruff Key				
		1	2	3	4	5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
SS-6L	1	Connector				
SS-4001	1	SOLENOID STARTING SWITCH				
12X-196	1	#10 Lock Washer				
8X-832	2	5/16-24 Hex. Nut				
12X-1014	2	5/16 Lock Washer				
8X-1372	1	#10-32 Hex. Nut				
8X-321	2	#10-32x5/16 Rd. Hd. Sc.				
X-1270	2	#10 Skpf. Washer				

Miscellaneous Parts

EBA-27	1	BENDIX DRIVE ASSY.				
MAB-1024	1	Head Band Assembly				
MAB-2040A	1	INTERMEDIATE BRG. ASSY.				
MG-77A	1	Absorbent Bronze Brg.				
PS-1139B	1	Pinion Housing Assy.				
MAB-88	1	Dowel Pin				
MG-77A	1	Absorbent Bronze Brg.				
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 3-6-39)

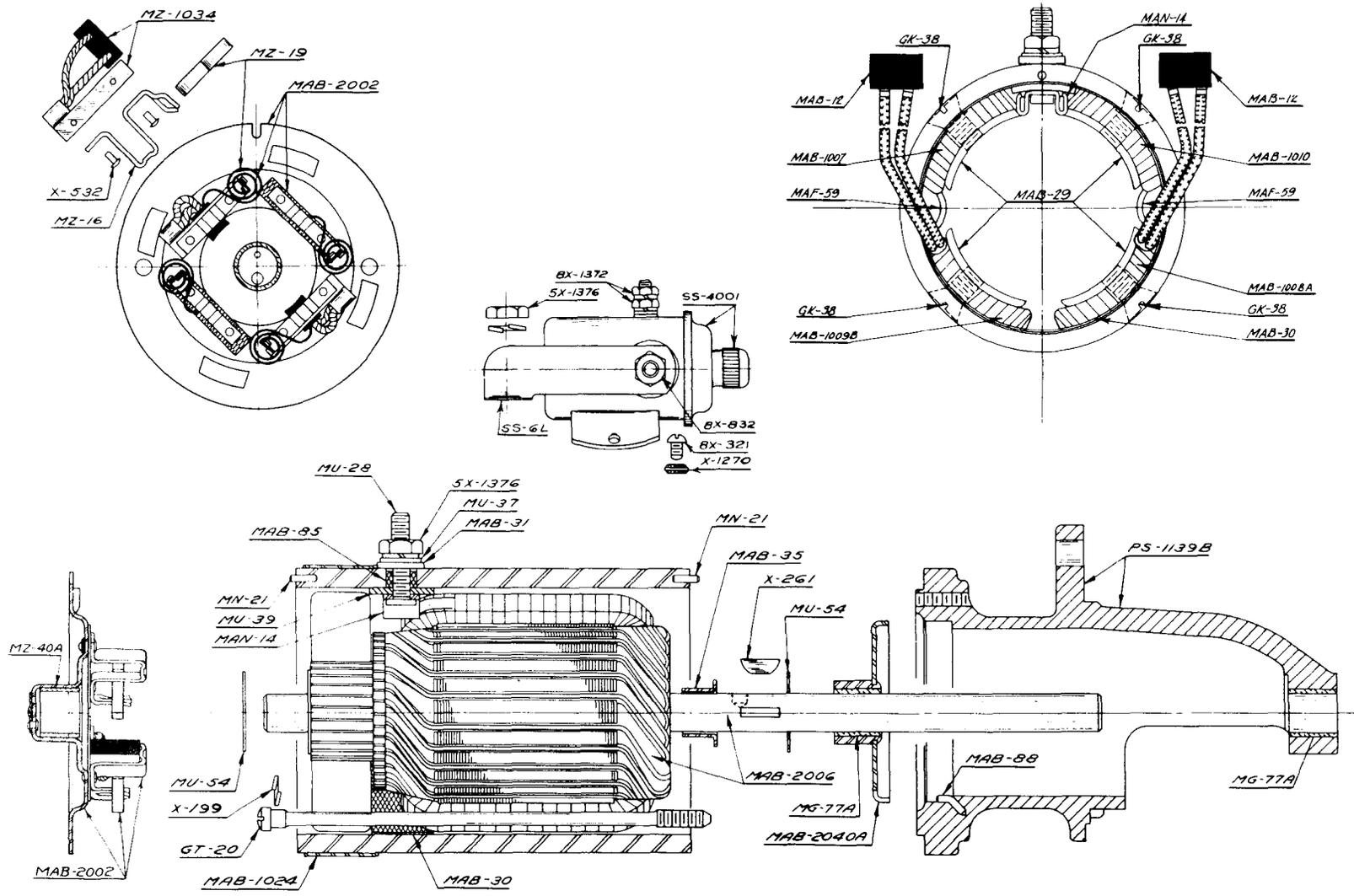
UNIT	APPLICATION
MAB-4098	Diamond T

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MAB-4098 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4100 STARTING MOTOR PARTS LIST

MAB-4100

Frame & Field Assy. With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
(MAB-2132)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	BRUSH					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	BRUSH					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	1	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
MAD-20	2	Frame Screw					
X-146	2	1/4-20 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-489	1	1/4 Oiler - Press in Type					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assy. & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	ABSORBENT BRONZE BRG.					
MZ-1034	2	BRUSH ASSY.- Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					

Armature Assembly & Parts Used With

MAB-2113	1	ARMATURE ASSEMBLY					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					
			1	2	3	4	5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MU-37	1	5/16 Plain Washer					
SS-6R	1	Connector					
SS-4001	1	SOLENOID STARTING SWITCH					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
X-949	1	Terminal					
X-999	1	Terminal					
X-1274	2	#10 Skpf. Washer					
X-1461	1	Terminal					
8X-1555	2	#10-32x5/16 Rd. Hd. Screw					

Miscellaneous Parts

EBA-29	1	BENDIX DRIVE ASSY.					
EB-108	2	Lock Washer					
EB-8506	1	Hd. Sp. Bolt or Screw					
EBA-513	1	Anti-Drift Spring					
EBA-525	1	Meshing Spring					
EBA-531	1	Screw Shaft Assembly					
EBA-532	1	Pinion Assembly					
EBA-533*	1	Retaining Ring (Narrow Groove)					
EBA-1233*	1	Retaining Ring (Wide Groove)					
EBA-2905	1	DRIVE SPRING					
EBA-2907	1	Shaft Spring Screw					
MAB-1024	1	Head Band Assembly					
MAB-1110B	1	Drive End Head Assembly					
MAB-124	1	ABSORBENT BRONZE BRG.					
X-66	2	#10-32x1/2 Flat Hd. Screw					
X-71b	1	#10-32x1 1/4 Rd. Hd. Sc.					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 8-22-39)

* Use as required.

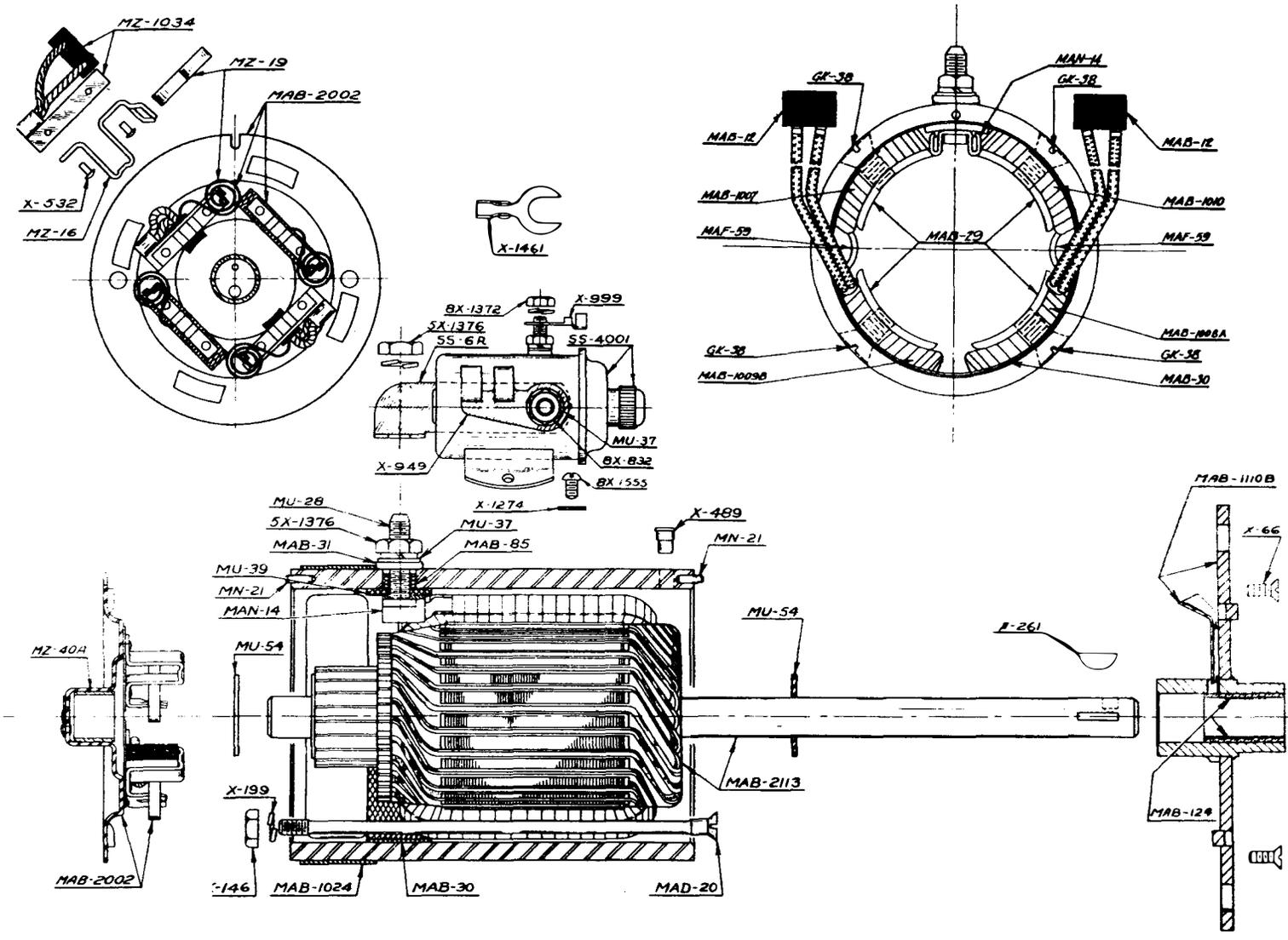
UNIT	APPLICATION
MAB-4100	Hudson

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

MAB-4100 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4101,A STARTING MOTOR PARTS LIST

MAB-4101,A
(Issued 1-15-51)

Frame & Field Assembly & Parts Used With			Miscellaneous Parts		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GT-20A	2	Bolt, Thru	EBA-11	1	BENDIX DRIVE ASSY.
(MAB-2112)	1	Frame & Field Assy.	EB-108	2	Lockwasher
GK-38	4	Screw, Pole Shoe	EB-7806	1	Screw, Spring, Head
MAB-12†	2	Brush	EB-7807	1	Screw, Spring, Shaft
MAB-30	1	Insulation, Field Connection	EB-7819S	1	Sleeve, Compression
MAB-31	1	Washer, Ins., Term. Stud, Outer	EB-8503	1	Head, Drive
MAB-65	1	Terminal	EB-8705	1	SPRING, DRIVE
MAB-85	1	Bushing, Ins., Term. Stud	EB-8734	1	Ring, Take-Up
MAB-3005S	1	FIELD COIL PACKAGE	EBA-1111	1	Shaft & Pinion
MAB-1007	1	Coil, Field, U.L.	*	1	Cover Band
MAB-1008	1	Coil, Field, L.R.	MAB-2040	1	BEARING ASSY., INTERMEDIATE
MAB-1009	1	Coil, Field, L.L.	MG-77A	1	Bearing, Abs. Bronze
MAB-1010	1	Coil, Field, U.R.	PS-1139C	1	Housing Assy., Pinion
MAF-59	2	Connector, Field Coil	MAB-88	1	Pin, Dowel
MN-21	2	Pin, Dowel	MG-77A	1	BEARING, ABS. BRONZE
MU-28	1	Stud, Terminal	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
MU-37	1	Washer, Plain, Term. Stud, 5/16	8X-794	1	Nut, Cover Band, Square #10-32
MU-39	1	Washer, Ins., Term. Stud, Inner			
12X-1014	2	Lockwasher, Term. Stud, 5/16			
8X-1376	2	Nut, Term. Stud, Hex. 5/16-24			
12X-199	2	Lockwasher, Thru Bolt, 1/4			
Comm. End Head Assembly & Parts Used With			Assembly No. Cover Band		
MAB-2002	1	Head Assy., Comm. End	MAB-4101		MAB-1024E
MZ-19	4	Spring, Brush	MAB-4101A		MAB-1024V
MZ-1034S†	2	Brush, Grounded			
Armature Assembly & Parts Used With			UNIT APPLICATION		
MAB-2006	1	ARMATURE ASSY.	MAB-4101		Hercules
MAB-35	1	Spacer, Bearing, Thrust	MAB-4101A		Hercules, Massey Harris
MU-54	2	Washer, Thrust, 1/32" Thick			
X-261	1	Key, Woodruff, #6			
Switch Assembly & Parts Used With					
SS-6L	1	Connector			
SS-4001	1	SOLENOID STARTING SWITCH			
8X-173	1	Nut, Hex. #10-32			
12X-196	1	Lockwasher, #10			
8X-832	2	Nut, Hex. 5/16-24			
12X-1014	2	Lockwasher, 5/16			
8X-321	2	Screw, Switch Mtg., Rd. Hd. #10-32x5/16			
X-1270	2	Washer, Switch Mtg. Sc., Skpf. #10			

† BRUSH SET, SERVICE MAB-2012AS.

* See table following parts list for part number applying to assembly wanted.

UNIT	APPLICATION
MAB-4101	Hercules
MAB-4101A	Hercules, Massey Harris

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4103,A STARTING MOTOR PARTS LIST

MAB-4103,A

<u>Frame & Field Assembly With Terminal Stud & Parts Used With</u>					<u>Switch Assembly & Parts Used With</u>							
Part No.	No. Used	Name of Part			Part No.	No. Used	Name of Part					
			1	2			1	2	3	4	5	
(MAB-2134)	1	Frame & Field Assy.			MU-37*	1	Washer, Plain, 5/16					
GK-38	4	Screw, Pole Shoe			12X-196*	1	Lockwasher, Terminal Stud, #10					
MAB-12†	2	Brush			8X-832*	2	Nut, Terminal Stud, Hex. 5/16-24					
MAB-30	1	Insulation Field Connection			X-949*	1	Terminal					
MAB-31	1	Washer, Ins., Term. Stud, Outer			X-999*	1	Terminal					
MAB-85	1	Bushing Ins., Term. Stud			12X-1014*	2	Lockwasher, Switch Term., 5/16					
MAB-1007	1	Coil, Field, U.L.			X-1274*	2	Washer, Switch Mtg., Skpf. #10					
MAB-1008	1	Coil, Field, L.R.			8X-1372*	1	Nut, Switch Terminal, Hex. #10-32					
MAB-1009	1	Coil, Field, L.L.			X-1461*	1	Terminal					
MAB-1010	1	Coil, Field, U.R.			8X-1555*	2	Screw, Switch Mtg., Rd. Hd. #10-32x5/16					
MAF-59	2	Connector, Field Coil			XA-554*	1	Solenoid Starting Switch					
MAN-14	1	Terminal			XA-555*	1	Connector					
MN-21	1	Pin, Dowel			<u>Miscellaneous Parts</u>							
MU-28	1	Stud, Terminal			EBA-29	1	Bendix Drive Assembly					
MU-37	1	Washer, Plain, Term. Stud, 5/16			EB-108	2	Lock Washer					
MU-39	1	Washer Ins., Term. Stud, Inner			EB-8506	1	Screw, Spring, Head					
X-1014	2	Lockwasher, Term. Stud, 5/16			EBA-513	1	Spring, Anti-Drift					
5X-1376	2	Nut, Term. Stud, Hex., 5/16-24			EBA-525	1	Spring, Meshing					
MAD-20	2	Bolt, Thru			EBA-531	1	Shaft					
X-146	2	Nut, Thru Bolt, Hex. 1/4-20			EBA-532	1	Pinion Assy.					
X-199	2	Lockwasher, Thru Bolt, 1/4			EBA-533+	1	Ring, Retaining					
<u>Comm. End Head Assembly & Parts Used With</u>					EBA-1233+	1	Ring, Retaining					
MAB-2002	1	Head Assy., Comm. End			EBA-2905	1	Spring, Drive					
MZ-16	2	Holder, Brush			EBA-2907	1	Screw, Spring, Shaft					
MZ-19	4	Spring, Brush			MAB-1024K	1	Band, Cover					
MZ-1034†	2	Brush, Grounded			MAB-1110B	1	Head Assy., Drive End					
X-532	4	Rivet, Oval Hd., 1/8x1/4			MAB-124	1	Bearing, Absorbent Bronze					
<u>Armature Assembly & Parts Used With</u>					X-66	2	Screw, Drive End, Flat Hd., #10-32x1/2					
MAB-2113	1	Armature			X-489	1	Oiler, Hinge Top, Press in, 1/4					
MU-54	2	Washer, Thrust 1/32" Thick			X-715	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/4					
X-261	1	Key, Woodruff, #6			8X-794	1	Nut, Cover Band, Square #10-32					
			1	2	3	4	5					

† Brush Set, Service MAB-2012S.

* Used only on assembly MAB-4103A.

+ Use as required.

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4104 STARTING MOTOR PARTS LIST

MAB-4104

Frame & Field Assy. With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
(MAB-2001)	1	Frame & Field Assy.					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field Coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12	1	BRUSH					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12	1	BRUSH					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
MW-20	2	Frame Screw					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assy. & Parts Used With

MAB-2002	1	Comm. End Plate Assy.					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-40A	1	ABSORBENT BRONZE BRG.					
MZ-1034	2	BRUSH ASSY.- GROUNDED					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					
			1	2	3	4	5

Armature Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
MAB-2047	1	ARMATURE ASSEMBLY					
MAB-35	1	Bearing Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					

Miscellaneous Parts

EB-99	1	BENDIX DRIVE ASSEMBLY					
EB-108	2	Lock Washer					
EB-7805	1	DRIVE SPRING					
EB-7806	1	Hd. Sp. Bolt or Screw					
EB-7807	1	Shaft Spring Screw					
EB-7819S	1	Compression Sleeve					
EB-8503	1	Driving Head					
EB-8734	1	Take Up Spring					
EB-9911	1	S-A Assembly					
MAB-1024	1	Head Band Assembly					
MAB-1090A	1	Drive End Head Assy.					
MAB-49A	1	ABSORBENT BRONZE BRG.					
X-261	1	#6 Woodruff Key					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Screw					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 7-14-39)

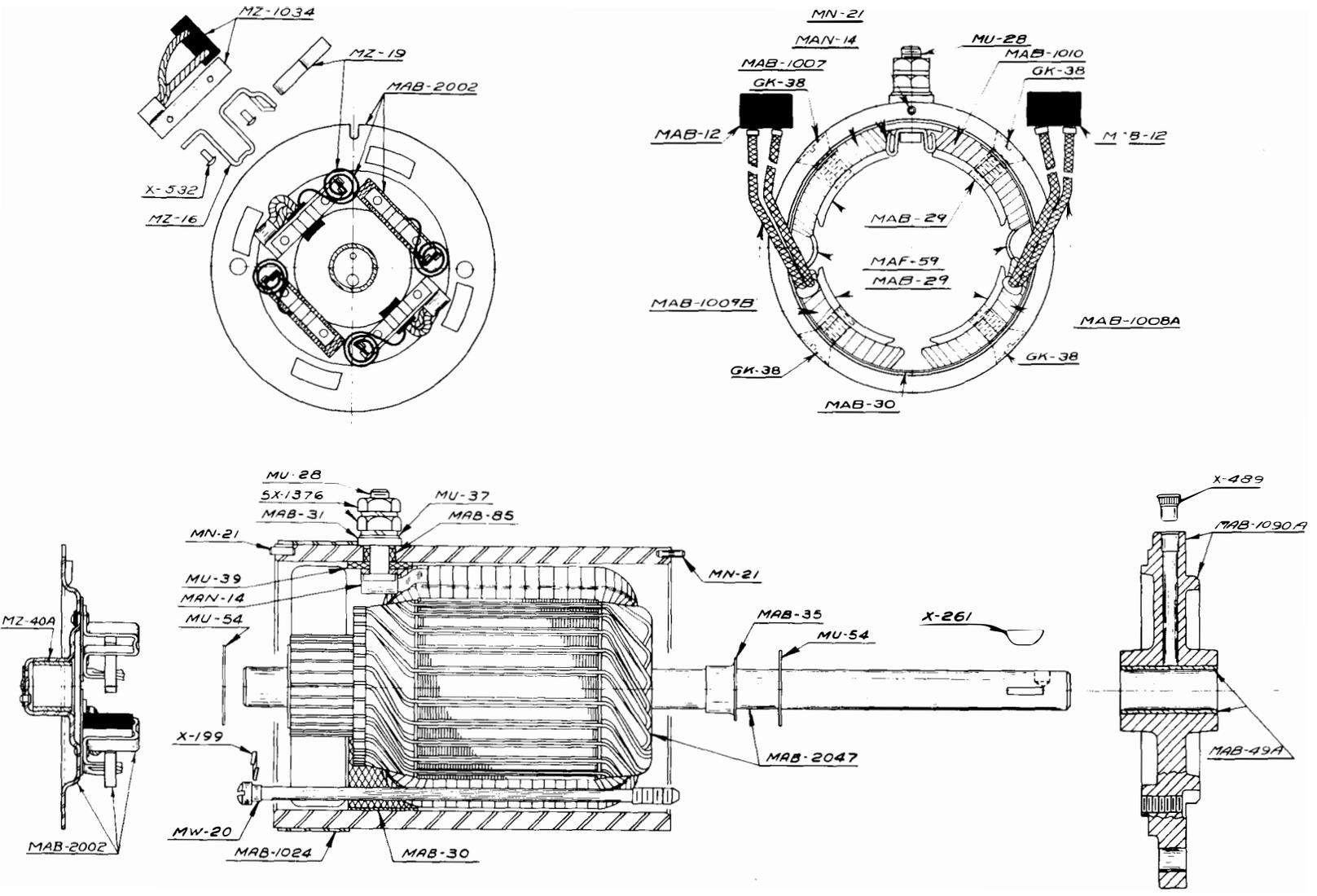
UNIT	APPLICATION
MAB-4104	Nash

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File in
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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

MAB-4104 STARTING MOTOR ILLUSTRATION



ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4105 STARTING MOTOR PARTS LIST

MAB-4105
(Issued 6-21-55)

Frame & Field Assembly & Parts Used With			Miscellaneous Parts		
Part No.	No. Used	Name of Part	Part No.	No. Used	Name of Part
GT-20A	2	Bolt, Thru	EBA-2	1	BENDIX DRIVE ASSEMBLY
MAB-2001	1	Frame & Field Assembly	EB-108	2	Lockwasher
GK-38	4	Screw, Pole Shoe	EB-7806	1	Screw, Spring, Head
MAB-12‡	2	Brush	EB-7807	1	Screw, Spring, Shaft
MAB-30	1	Insulation, Field Connection	EB-7819S	1	Sleeve, Compression
MAB-31	1	Washer, Ins., Term. Stud, Outer	EB-8503	1	Head, Drive
MAB-65	1	Terminal	EB-8705	1	SPRING, DRIVE
MAB-85	1	Bushing, Ins., Term. Stud	EB-8734	1	Ring, Take up
MAB-3005S	1	FIELD COIL PACKAGE	EBA-211	1	Shaft & Pinion
MAB-1007	1	Coil, Field, U. L.	MAB-87	1	Washer, Felt
MAB-1008	1	Coil, Field, L. R.	MAB-103	1	Gasket, Intermediate Bearing
MAB-1009	1	Coil, Field, L. L.	MAB-1024G	1	Band, Cover
MAB-1010	1	Coil, Field, U. R.	MAB-1104	1	Bearing Assy., Intermediate
MAF-59	2	Connector, Field Coil	ML-21A	1	BEARING, ABSORBENT BRONZE
MN-21	2	Pin, Dowel	PS-1204	1	Housing Assy., Pinion
MU-28	1	Stud, Terminal, 5/16-24	MG-77A	1	BEARING, ABSORBENT BRONZE
MU-37	1	Washer, Plain, Term. Stud, 5/16	8X-120	3	Screw, Int. Bearing, Fill. Hd. #10-32x5/8
MU-39	1	Washer, Ins., Term. Stud, Inner	X-196	3	Lockwasher, Brg. Screw, #10
12X-1014	2	Lockwasher, Term. Stud, 5/16	X-714	1	Screw, Cover Band, Rd. Hd. #10-32x1 1/2
8X-1376	2	Nut, Term. Stud, Hex. 5/16-24	8X-794	1	Nut, Cover Band, Square #10-32
X-199	2	Lockwasher, Thru Bolt, 1/4			
<u>Comm. End Head Assembly & Parts Used With</u>					
MAB-2002	1	Head Assy., Comm. End	‡ BRUSH SET, SERVICE, MAB-2012AS. * Use as required.		
MZ-19	4	Spring, Brush			
MZ-1034S‡	2	Brush, Grounded			
<u>Armature Assembly & Parts Used With</u>					
MAB-2086	1	ARMATURE			
ML-32	1	Washer, Thrust, Int. Bearing			
MU-54	*	Washer, Thrust, C. E. 1/32"			
MU-54B	*	Washer, Thrust, C. E. 3/64"			
X-261	1	Key, Woodruff, #6			

UNIT	APPLICATION
MAB-4105	Case (Tractor)

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"NOTE: Where part numbers are shown in parenthesis they are for reference only. By stocking sub-parts the complete part can be assembled as needed."

ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4106 STARTING MOTOR PARTS LIST

MAB-4106

PRELIMINARY

Frame & Field Assembly With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
GT-20	2	Frame Screw				
(MAB-2112)	1	Frame & Field Assembly				
GK-38	4	Pole Piece Screw				
MAB-29	4	Pole Piece				
MAB-30	1	Field Connection Ins.				
MAB-31	1	Insulating Washer				
MAB-85	1	Insulating Bushing				
MAB-1007	1	Field Coil - U.L.				
MAB-1008A	1	Field Coil & Brush Assy.-L.R.				
MAB-12†	1	Brush				
MAB-1009B	1	Field Coil & Brush Assy.-L.L.				
MAB-12†	1	Brush				
MAB-1010	1	Field Coil - U.R.				
MAF-59	2	Field Coil Connector				
MAN-14	1	Terminal				
MN-21	2	Dowel Pin				
MU-28	1	Terminal Post				
MU-37	1	5/16 Plain Washer				
MU-39	1	Insulating Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				
X-199	2	1/4 Lock Washer				
X-1014	1	5/16 Lock Washer				
5X-1376	1	5/16-24 Hex. Nut				

Comm. End Plate Assembly & Parts Used With

MAB-2002	1	Comm. End Plate Assembly				
MZ-16	2	Brush Holder				
MZ-19	4	Brush Spring				
MZ-1034†	2	Brush Assy.- Grounded				
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet				

Armature Assembly & Parts Used With

MAB-2006	1	ARMATURE ASSEMBLY				
MAB-35	1	Bearing Thrust Spacer				
MU-54	2	Thrust Washer - 1/32" Thick				
X-261	1	#6 Woodruff Key				
		1	2	3	4	5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part				
		1	2	3	4	5
SS-6R	1	Connector				
SS-4001	1	SOLENOID STARTING SWITCH				
12X-196	1	#10 Lock Washer				
8X-832	2	5/16-24 Hex. Nut				
12X-1014	2	5/16 Lock Washer				
8X-1372	1	#10-32 Hex. Nut				
8X-321	2	#10-32x5/16 Rd. Hd. Screw				
X-1270	2	#10 Skpf. Washer				

Miscellaneous Parts

EBA-27	1	BENDIX DRIVE ASSEMBLY				
EB-108	2	Lock Washer				
EB-7806	1	Hd. Spr. Bolt or Screw				
EB-7807	1	Shaft Spring Screw				
EB-7819S	1	Compression Sleeve				
EB-8503	1	Driving Head				
EB-8705	1	DRIVE SPRING				
EB-8734	1	Tak-Up Spring				
EBA-2711	1	S-A Assembly				
MAB-1024	1	Head Band Assembly				
MAB-2040A	1	INTERMEDIATE BEARING ASSY.				
MG-77A	1	Absorbent Bronze Brg.				
PS-1139C	1	Pinion Housing Assembly				
MAB-88	1	Dowel Pin				
MG-77A	1	Absorbent Bronze Brg.				
X-715	1	#10-32x1 1/4 Rd. Hd. Screw				
8X-794	1	#10-32 Square Nut				
		1	2	3	4	5

(Issued 10-7-41)

† SERVICE BRUSH SET MAB-2012S.

UNIT	APPLICATION
MAB-4106	Hercules

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4108 STARTING MOTOR PARTS LIST

MAB-4108

PRELIMINARY

<u>Frame & Field Assembly With Terminal Post & Parts Used With</u>						<u>Switch Assembly & Parts Used With</u>								
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part					
		1	2	3	4	5			1	2	3	4	5	
GT-20	2	Frame Screw					SS-6L	1	Connector					
(MAB-2112)	1	Frame & Field Assembly					SS-4001	1	SOLENOID STARTING SWITCH					
GK-38	4	Pole Piece Screw					12X-196	1	#10 Lock Washer					
MAB-29	4	Pole Piece					8X-832	2	5/16-24 Hex. Nut					
MAB-30	1	Field Connection Ins.					12X-1014	2	5/16 Lock Washer					
MAB-31	1	Insulating Washer					8X-1372	1	#10-32 Hex. Nut					
MAB-85	1	Insulating Bushing					8X-321	2	#10-32x5/16 Rd. Hd. Screw					
MAB-1007	1	Field Coil - U.L.					X-1270	2	#10 Skpf. Washer					
MAB-1008A	1	Field Coil & Brush Assy.-L.R.					<u>Miscellaneous Parts</u>							
MAB-12‡	1	Brush					EBA-2	1	BENDIX DRIVE ASSEMBLY					
MAB-1009B	1	Field Coil & Brush Assy.-L.L.					EB-108	2	Lock Washer					
MAB-12‡	1	Brush					EB-7806	1	Hd. Spr. Bolt or Screw					
MAB-1010	1	Field Coil - U.R.					EB-7807	1	Shaft Spring Screw					
MAF-59	2	Field Coil Connector					EB-7819S	1	Compression Sleeve					
MAN-14	1	Terminal					EB-8503	1	Driving Head					
MN-21	2	Dowel Pin					EB-8705	1	DRIVE SPRING					
MU-28	1	Terminal Post					EB-8734	1	Take-Up Spring					
MU-37	1	5/16 Plain Washer					EBA-211	1	S-A Assembly					
MU-39	1	Insulating Washer					MAB-1024	1	Head Band Assembly					
X-1014	1	5/16 Lock Washer					MAB-2040	1	INTERMEDIATE BEARING ASSY.					
5X-1376	1	5/16-24 Hex. Nut					MG-77A	1	Absorbent Bronze Brg.					
X-199	2	1/4 Lock Washer					PS-1037	1	Pinion Housing Assembly					
X-1014	1	5/16 Lock Washer					MAB-88	1	Dowel Pin					
5X-1376	1	5/16-24 Hex. Nut					MG-77A	1	Absorbent Bronze Brg.					
						X-489	1	1/4 Oiler - Press in Type						
						X-715	1	#10-32x1 1/4 Rd. Hd. Sc.						
						8X-794	1	#10-32 Square Nut						
								1	2	3	4	5		
<u>Comm. End Plate Assembly & Parts Used With</u>						(Issued 10-7-41)								
MAB-2002	1	Comm. End Plate Assembly												
MZ-16	2	Brush Holder												
MZ-19	4	Brush Spring												
MZ-1034‡	2	Brush Assy.- Grounded												
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet												
<u>Armature Assembly & Parts Used With</u>														
MAB-2006	1	ARMATURE ASSEMBLY												
MAB-35	1	Bearing Thrust Spacer												
MU-54	2	Thrust Washer - 1/32" Thick												
X-261	1	#6 Woodruff Key												
		1	2	3	4	5								

‡ SERVICE BRUSH SET MAB-2012S.

UNIT	APPLICATION
MAB-4108	Chris Craft

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4109 STARTING MOTOR PARTS LIST

MAB-4109

PRELIMINARY

Frame & Field Assembly With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-121	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-121	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-3002	1	Comm. End Plate Assembly					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-1034†	2	Brush Assy.- Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					

Armature Assembly & Parts Used With

MAB-2006	1	ARMATURE ASSEMBLY					
MAB-35	1	Bearing Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					
			1	2	3	4	5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
SS-6L	1	Connector					
SS-4001	1	SOLENOID STARTING SWITCH					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					

Miscellaneous Parts

EB-99	1	BENDIX DRIVE ASSEMBLY					
EB-108	2	Lock Washer					
EB-7805	1	DRIVE SPRING					
EB-7806	1	Hd. Spr. Bolt or Screw					
EB-7807	1	Shaft Spring Screw					
EB-7819S	1	Compression Sleeve					
EB-8503	1	Driving Head					
EB-8734	1	Take-Up Spring					
EB-9911	1	S-A Assembly					
MAB-1024	1	Head Band Assembly					
MAB-2040	1	INTERMEDIATE BEARING ASSY.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1037	1	Pinion Housing Assembly					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 10-7-41)

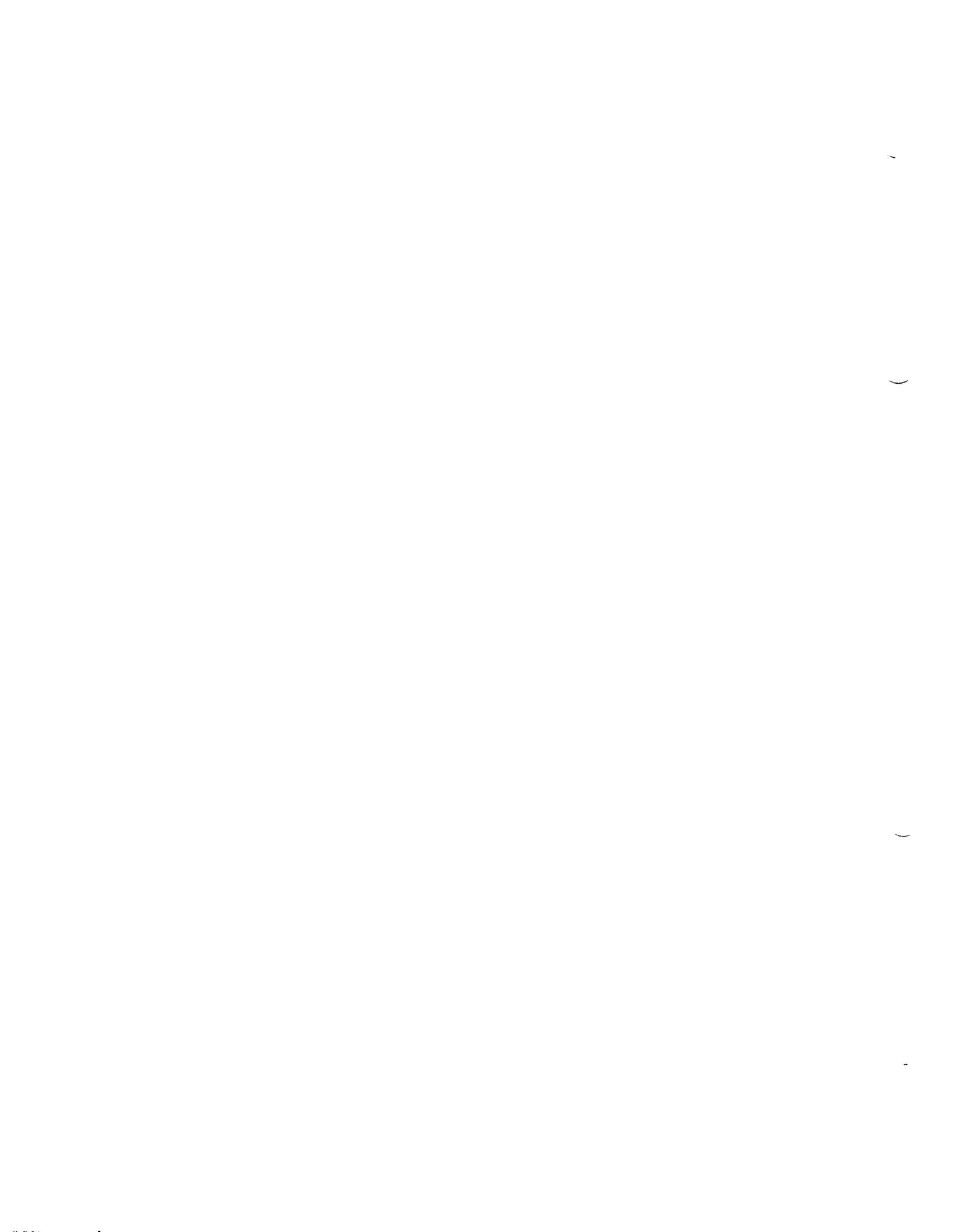
† SERVICE BRUSH SET MAB-2012S.

UNIT	APPLICATION
MAB-4109	Chris Craft

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4109 STARTING MOTOR PARTS LIST

MAB-4109

PRELIMINARY

Frame & Field Assembly With Terminal Post & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-12†	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-12†	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-3002	1	Comm. End Plate Assembly					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-1034†	2	Brush Assy.- Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					

Armature Assembly & Parts Used With

MAB-2006	1	ARMATURE ASSEMBLY					
MAB-35	1	Bearing Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					
			1	2	3	4	5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
SS-6L	1	Connector					
SS-4001	1	SOLENOID STARTING SWITCH					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					

Miscellaneous Parts

EB-99	1	BENDIX DRIVE ASSEMBLY					
EB-108	2	Lock Washer					
EB-7805	1	DRIVE SPRING					
EB-7806	1	Hd. Spr. Bolt or Screw					
EB-7807	1	Shaft Spring Screw					
EB-7819S	1	Compression Sleeve					
EB-8503	1	Driving Head					
EB-8734	1	Take-Up Spring					
EB-9911	1	S-A Assembly					
MAB-1024	1	Head Band Assembly					
MAB-2040	1	INTERMEDIATE BEARING ASSY.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1037	1	Pinion Housing Assembly					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 10-7-41)

† SERVICE BRUSH SET MAB-2012S.

UNIT	APPLICATION
MAB-4109	Chris Craft

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4109 STARTING MOTOR PARTS LIST

MAB-4109

PRELIMINARY

Frame & Field Assembly With Terminal Post
& Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
GT-20	2	Frame Screw					
(MAB-2112)	1	Frame & Field Assembly					
GK-38	4	Pole Piece Screw					
MAB-29	4	Pole Piece					
MAB-30	1	Field Connection Ins.					
MAB-31	1	Insulating Washer					
MAB-85	1	Insulating Bushing					
MAB-1007	1	Field coil - U.L.					
MAB-1008A	1	Field Coil & Brush Assy.- L.R.					
MAB-121	1	Brush					
MAB-1009B	1	Field Coil & Brush Assy.- L.L.					
MAB-121	1	Brush					
MAB-1010	1	Field Coil - U.R.					
MAF-59	2	Field Coil Connector					
MAN-14	1	Terminal					
MN-21	2	Dowel Pin					
MU-28	1	Terminal Post					
MU-37	1	5/16 Plain Washer					
MU-39	1	Insulating Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					
X-199	2	1/4 Lock Washer					
X-1014	1	5/16 Lock Washer					
5X-1376	1	5/16-24 Hex. Nut					

Comm. End Plate Assembly & Parts Used With

MAB-3002	1	Comm. End Plate Assembly					
MZ-16	2	Brush Holder					
MZ-19	4	Brush Spring					
MZ-1034†	2	Brush Assy.- Grounded					
X-532	4	1/8x1/4 Oval Hd. Tubular Rivet					

Armature Assembly & Parts Used With

MAB-2006	1	ARMATURE ASSEMBLY					
MAB-35	1	Bearing Thrust Spacer					
MU-54	2	Thrust Washer - 1/32" Thick					
X-261	1	#6 Woodruff Key					
			1	2	3	4	5

Switch Assembly & Parts Used With

Part No.	No. Used	Name of Part					
			1	2	3	4	5
SS-6L	1	Connector					
SS-4001	1	SOLENOID STARTING SWITCH					
12X-196	1	#10 Lock Washer					
8X-832	2	5/16-24 Hex. Nut					
12X-1014	2	5/16 Lock Washer					
8X-1372	1	#10-32 Hex. Nut					
8X-321	2	#10-32x5/16 Rd. Hd. Screw					
X-1270	2	#10 Skpf. Washer					

Miscellaneous Parts

EB-99	1	BENDIX DRIVE ASSEMBLY					
EB-108	2	Lock Washer					
EB-7805	1	DRIVE SPRING					
EB-7806	1	Hd. Spr. Bolt or Screw					
EB-7807	1	Shaft Spring Screw					
EB-7819S	1	Compression Sleeve					
EB-8503	1	Driving Head					
EB-8734	1	Take-Up Spring					
EB-9911	1	S-A Assembly					
MAB-1024	1	Head Band Assembly					
MAB-2040	1	INTERMEDIATE BEARING ASSY.					
MG-77A	1	Absorbent Bronze Brg.					
PS-1037	1	Pinion Housing Assembly					
MAB-88	1	Dowel Pin					
MG-77A	1	Absorbent Bronze Brg.					
X-489	1	1/4 Oiler - Press in Type					
X-715	1	#10-32x1 1/4 Rd. Hd. Sc.					
8X-794	1	#10-32 Square Nut					
			1	2	3	4	5

(Issued 10-7-41)

† SERVICE BRUSH SET MAB-2012S.

UNIT	APPLICATION
MAB-4109	Chris Craft

Printed in U. S. A.

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ELECTRIC AUTO-LITE EQUIPMENT & PARTS LISTS

MAB-4112 STARTING MOTOR PARTS LIST

MAB-4112

Frame & Field Assembly With Terminal Stud & Parts Used With						Switch Assembly & Parts Used With							
Part No.	No. Used	Name of Part					Part No.	No. Used	Name of Part				
		1	2	3	4	5			1	2	3	4	5
GT-20	2	Bolt, Thru					SS-6R	1	Connector				
(MAB-2112)	1	Frame & Field Assy.					SS-4001	1	Solenoid Starting Switch				
GK-38	4	Screw, Pole Shoe					12X-196	1	Washer, Lock, #10				
MAB-12†	2	Brush					8X-832	2	Nut, Hex., 5/16-24				
MAB-30	1	Insulation, Field Connection					12X-1014	2	Washer, Lock, 5/16				
MAB-31	1	Washer, Ins., Term. Stud, Outer					8X-1372	1	Nut, Hex., #10-32				
MAB-85	1	Bushing, Ins., Term. Stud					8X-321	2	Screw, Mtg. Switch, Rd. hd., #10-32x5/16				
MAB-1007	1	Coil, Field, U.L.					X-1270	2	Washer, Skpf., Switch Mtg. Sc., #10				
MAB-1008	1	Coil, Field, L.R.					<u>Miscellaneous Parts</u>						
MAB-1009	1	Coil, Field, L.L.					EB-31	1	Bendix Drive Assy.				
MAB-1010	1	Coil, Field, U.R.					EB-508	2	Washer, Lock				
MAF-59	2	Connector, Field Coil					EB-2303	1	Head, Driving				
MAN-14	1	Terminal					EB-2319S	1	Sleeve, Compression				
MN-21	2	Pin, Dowel					EB-2322	1	Clip, Spring, Support				
MU-28	1	Stud, Terminal					EB-2406	1	Screw, Spring, Head				
MU-37	1	Washer, Plain, Term. Stud, 5/16					EB-2407	1	Screw, Spring, Shaft				
MU-39	1	Washer, Ins., Term. Stud, Inner					EB-3105	1	Spring, Drive				
X-1014	1	Washer, Lock, Term. Stud, 5/16					EB-3111	1	Shaft & Pinion				
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24					MAB-1024	1	Band, Cover				
X-199	2	Washer, Lock, Thru Bolt, 1/4					MAB-2040	1	Bearing Assy., Intermediate				
X-1014	1	Washer, Lock, Term. Stud, 5/16					MG-77A	1	Bearing, Absorbent Bronze				
5X-1376	1	Nut, Term. Stud, Hex., 5/16-24					PS-1075	1	Housing Assy., Pinion				
<u>Comm. End Head Assembly & Parts Used With</u>						MAB-88	1	Pin, Dowel					
MAB-2002	1	Head Assy., Comm. End					MG-77A	1	Bearing, Absorbent Bronze				
MZ-16	2	Holder, Brush					X-715	1	Screw, Cover Band, Rd. hd., #10-32x1 1/4				
MZ-19	4	Spring, Brush					8X-794	1	Nut, Cover Band, Square, #10-32				
MZ-1034†	2	Brush, Grounded							1	2	3	4	5
X-532	4	Rivet, Oval hd., 1/8x1/4							(Issued 3-4-44)				
<u>Armature Assembly & Parts Used With</u>													
MAB-2006	1	Armature Assy.											
MAB-35	1	Spacer, Bearing Thrust											
MU-54	2	Washer, Arm. Thrust, Comm. End & Intermediate											
X-261	1	Key, Woodruff, #6											
		1	2	3	4	5							

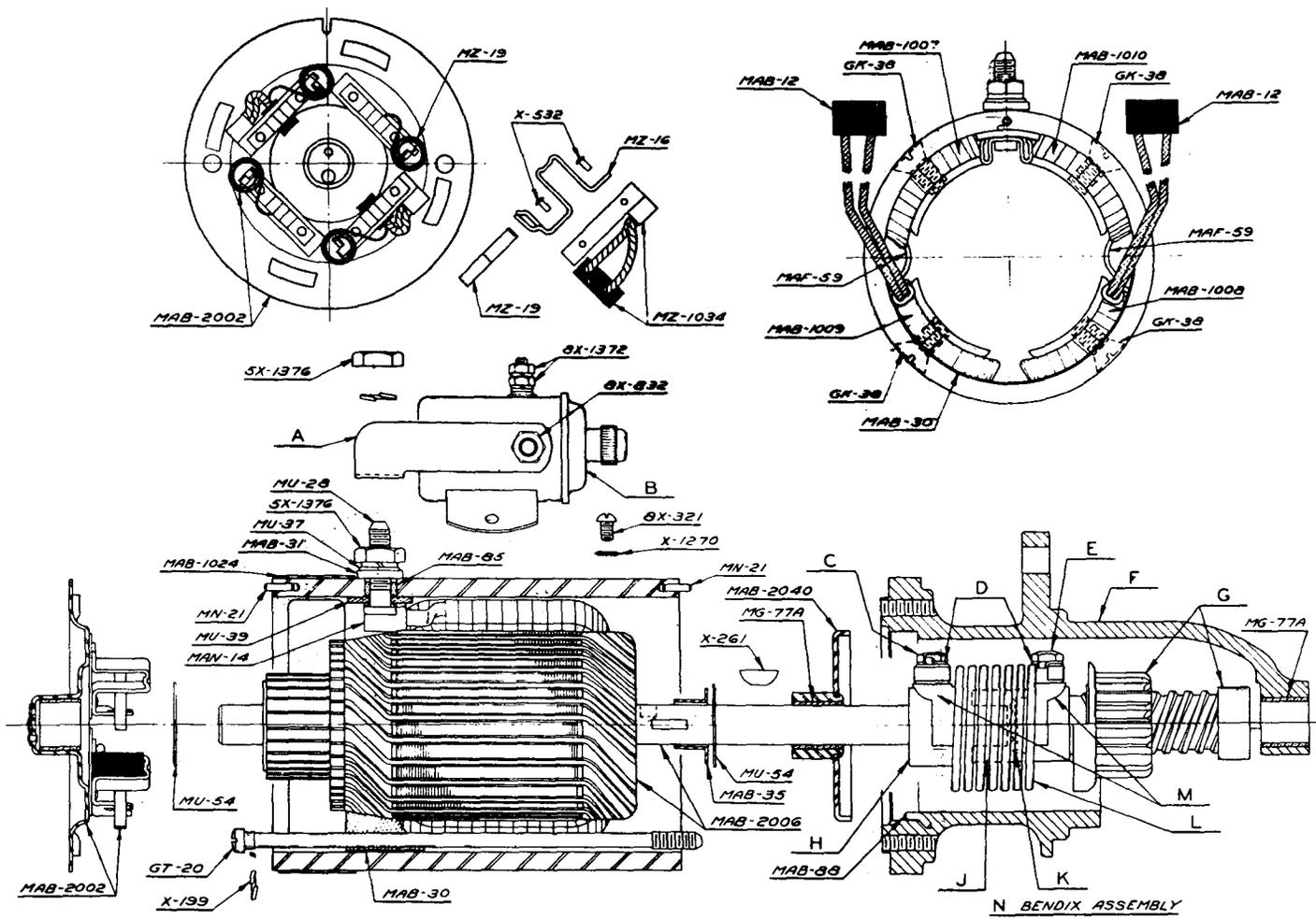
† Brush Set, Service, MAB-2012S.

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MAB-4112 STARTING MOTOR ILLUSTRATION



UNIT	A	B	C	D	E	F	G	H	J	K	L	M	N
MAB-4112	SS-6R	SS-4001	EB-2406	EB-808	EB-2407	PS-1075	EB-3111	EB-2303	EB-2319S	NONE	EB-3105	EB-2322	EB-31