prestolite®

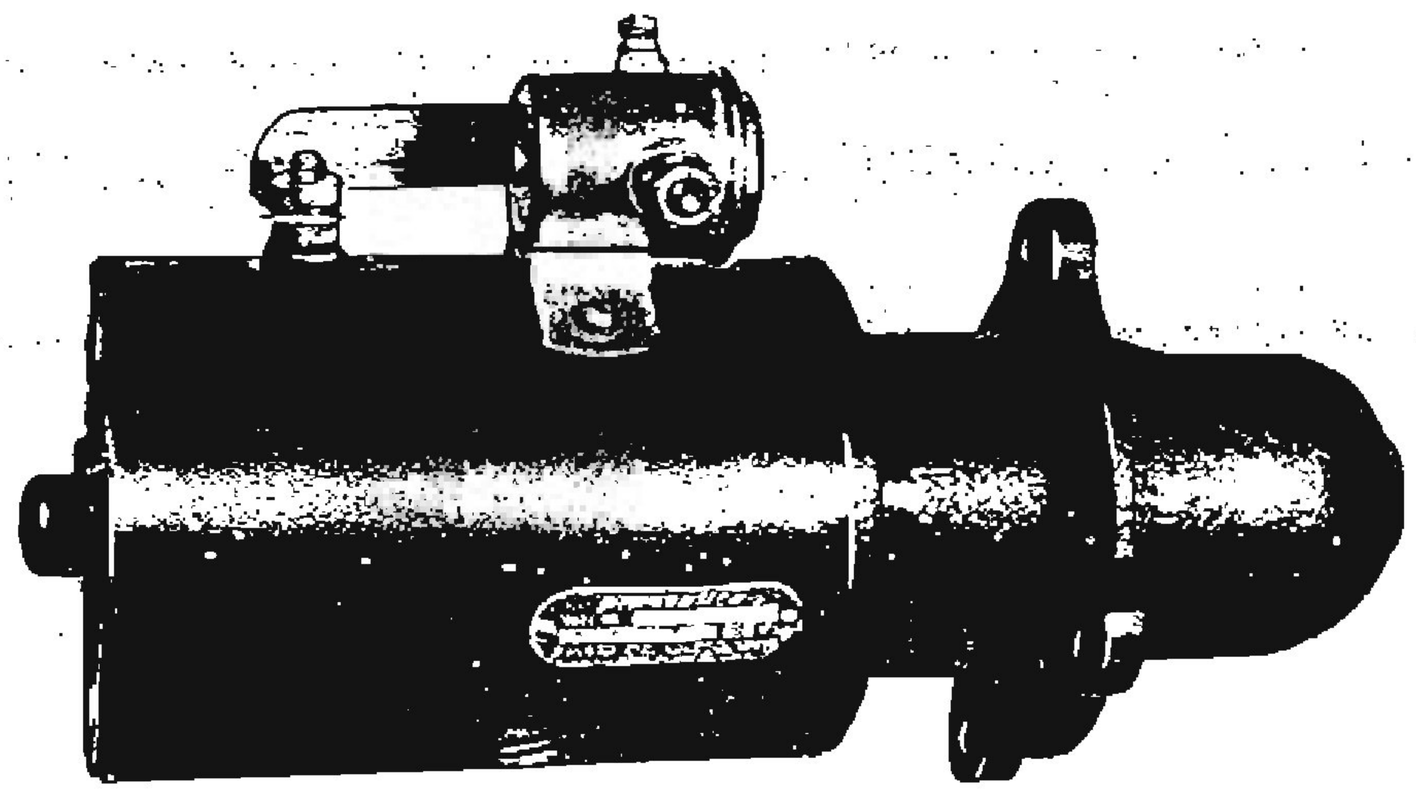
SERVICE PARTS LIST

MCL-6009B To 6228

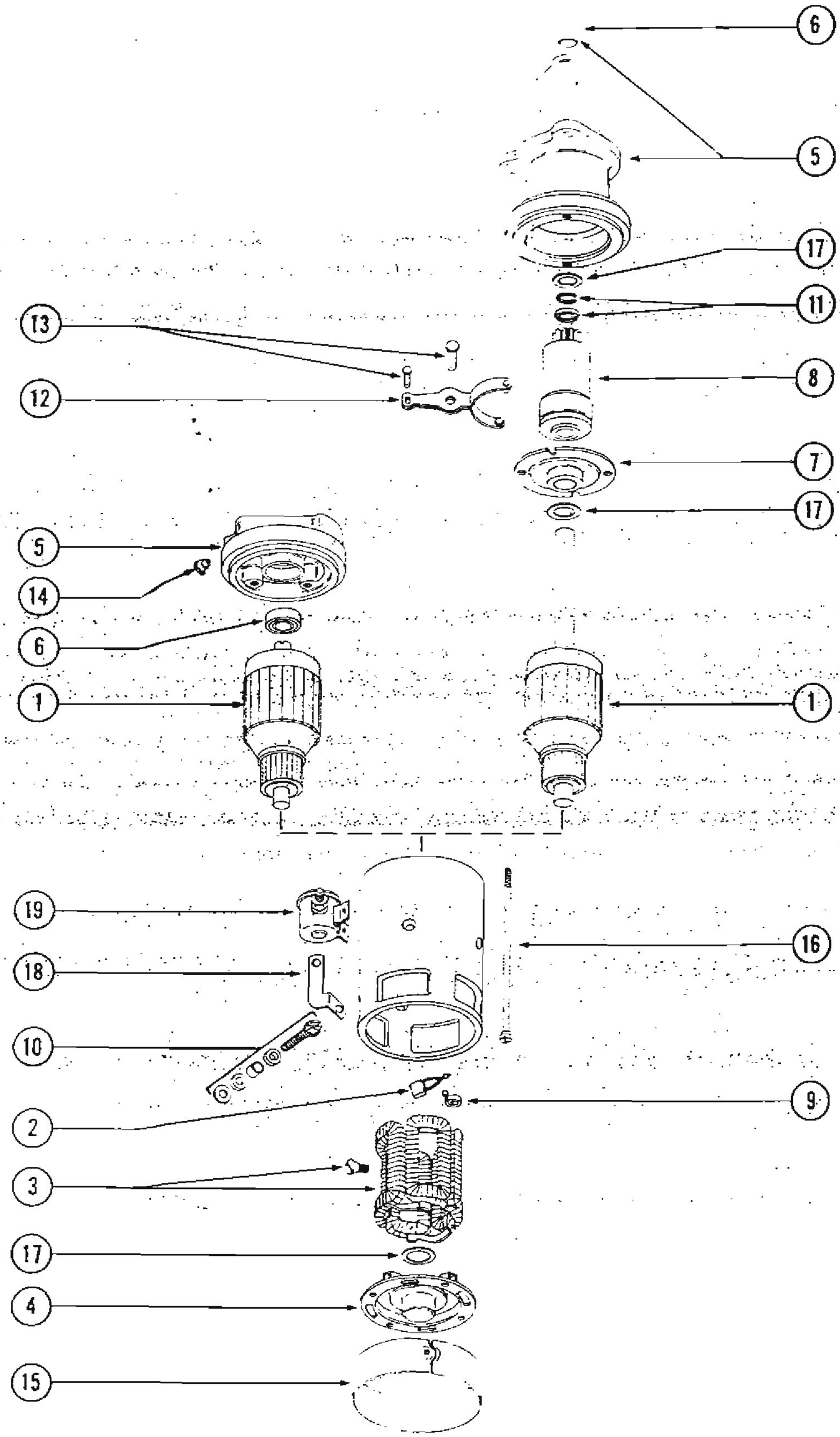
MOTORS

ISSUED: 10-1-80 (Rev.)

ORIG. EQUIP. MOTOR ENG. NUMBER		SERVICE MOTOR ENG. NUMBER	SALES NUMBER	VOLTS: 6 & 12 APPLICATION
MCL-6009B		MCL-6009B	46-108	Teledyne Continental
MCL-6107		MCL-6107	46-18	Chrysler Corp.
MCL-6115		MCL-6115	46-109	Chrysler,Eaton Corp.
MCL-6115T		MCL-6115T	46-110	Chrysler Corp.
MCL-6131		MCL-6131	46-111	Teledyne Cont.,Eaton Corp.
MCL-6138		MCL-6138	46-234	Meyer Products
MCL-6154		MCL-6154	46-391	Monarch Road Machinery
MCL-6159		MCL-6159	46-730	Teledyne Wisconsin
MCL-6160		MCL-6160	46-864	Chrysler Corp.
MCL-6225	USE	MCL-6225A	46-2244	Hale Fire Pump,Waterous, Misc.
MCL-6225A		MCL-6225A	46-2244	Waterous,Purex Corp.
MCL-6227		MCL-6227	46-951	Stone Hydraulics
MCL-6228		MCL-6228	46-2155	Waterous,Power Wheels,Misc.



MCL-6009B to 6228 Motor Parts List



Exploded View of Typical MCL Motor

Assembly	Armature (1)	Brush Set (2)	Field Coil Package (3)	Comm.End Head Assembly (4)	D.E.Head or Pin.Hsg. (5)	D.E. Bearing (6)	Intermed. Bearing Assembly (7)
MCL-6009B (46-108)	16-13 (MCH-2021)	17-33 (MZ-2012AS)	20-24 (MCL-3005S)	19-14 (MCJ-2030)	21-160 (PS-1285)	24-23 (MG-77A)	36-9 (MCJ-1040)
MCL-6107 (46-18)	16-16 (MCH-2039)	17-34 (MZ-2012BS)	20-582 (MCL-1005BS)	19-15 (MCL-2030)	21-35 (PS-12948)	24-28 (MP-41A)	[NR]
MCL-6115 (46-109)	16-17 (MCH-2070)	"	"	"	21-42 (PS-1309A)	"	[NR]
MCL-6115T (46-110)	16-204 (MCH-2070A)	17-83 (MZ-2012DS)	58-46[a] (MCL-2114S)	19-103 (MCL-2030C)	21-188 (PS-1309)	"	[NR]
MCL-6131 (46-111)	16-15 (MCH-2028)	17-34 (MZ-2012BS)	20-582 (MCL-1005BS)	19-15 (MCL-2030)	21-163 (PS-1315)	24-23 (MG-77A)	36-8 (MCH-1051)
MCL-6138 (46-234)	16-73 (MCL-2069)	"	"	19-17 (MCL-2030G)	22-13 (MAB-1125A)	24-36 (MAB-49A)	[NR]
MCL-6154 (46-391)	16-178 (MCH-2132)	"	"	19-147 (MCL-2030K)	22-195 (MDT-1045)	24-30 (MZ-44A)	[NR]
MCL-6159 (46-730)	16-317[d] (MCH-2145)	"	"	19-17 (MCL-2030G)	22-117 (MCL-1023)	24-23 (MG-77A)	[NR]
MCL-6160 (46-864)	16-267 (MCH-2037)	"	"	"	21-357 (PS-13508S)	24-4 (MDD-34)	36-8 (MCH-1051)
MCL-6225 (46-235)	16-242 (MCH-2130A)	17-93 (MCL-2012S)	20-581 (MCL-1005NS)	"	22-52 (MAX-1058G)	24-30 (MZ-44A)	[NR]
MCL-6225A (46-2244)	"	"	"	"	"	"	[NR]
MCL-6227 (46-951)	16-726[b] (MCH-2130CS)	17-34 (MZ-2012BS)	20-582 (MCL-1005BS)	"	22-76 (MDY-44)	90-2368 [c]	[NR]
MCL-6228 (46-2155)	16-242 (MCH-2130A)	17-22 (MCU-2012S)	20-466 (MCL-1005TS)	"	22-52 (MAC-1058G)	24-30 (MZ-44A)	[NR]

[a] Complete Frame & Field Assembly. Individual Coils not serviced.
[b] Armature & D.E. Bearing Package. Bearing also available separately.
[c] If measured thickness of inner race is .50" or .433" use 90-2368 Package as listed; if thickness is .354" use 25-27 (Y-3453) Bearing only.
[d] 36-567 (MCL-135) Armature Shaft Spacer D.E. also available.
[NR] Not required.

MCL-6009B To 6228

Assembly	Bendix Drive or Clutch (8)	Brush Spring Set (9)	Terminal Stud Package (10)	Pin,Stop & Lock Ring Package (11)	Yoke Assembly (12)	Yoke Parts Package (13)	Oilers (14)
MCL-6009B (46-108)	59-117 (EBB-31)	50-263 (MZ-19S)	90-694	[NR]	[NR]	[NR]	[NR]
MCL-6107 (46-18)	18-6 (MCL-3098A)	"	90-532	[NR]	23-1 (MCH-2056)	90-811	[NR]
MCL-6115 (46-109)	18-4 (MCL-3075)	"	90-695	90-83	23-2 (MCH-2074)	90-530A	[NR]
MCL-6115T (46-110)	18-10 (MCS-3075)	50-261 (MZ-19CS)	[NS]	90-502	23-23 (MCH-2074A)	90-620	[NR]
MCL-6131 (46-111)	59-51 (EBB-97)	50-263 (MZ-19S)	90-532	[NR]	[NR]	[NR]	[NR]
MCL-6138 (46-234)	[NR]	"	"	[NR]	[NR]	[NR]	[NR]
MCL-6154 (46-391)	[NR]	"	"	[NR]	[NR]	[NR]	[NR]
MCL-6159 (46-730)	[NR]	"	"	[NR]	[NR]	[NR]	[NR]
MCL-6160 (46-864)	59-47 (EBB-79)	"	"	[NR]	[NR]	[NR]	[NR]
MCL-6225 (46-235)	[NR]	"	"	[NR]	[NR]	[NR]	35-1 (8X-489)
MCL-6225A (46-2244)	[NR]	"	"	[NR]	[NR]	[NR]	"
MCL-6227 (46-951)	[NR]	"	"	[NR]	[NR]	[NR]	[NR]
MCL-6228 (46-2155)	[NR]	"	"	[NR]	[NR]	[NR]	35-1 (8X-489)

[NR]Not required.
[NS]Not serviced.

Assembly	Cover Band (15)	Thru Bolt Package (16)	Thrust Washer Package (17)	Switch Connector (18)	Switch (19)	
MCL-6009B (46-108)	36-164 (MAW-24)	35-425 (GJ-20S)	90-263	[NR]	[NR]	
MCL-6107 (46-18)	36-217 (MCH-1024)	"	90-2232	26-79 (MCH-63)	15-25 (SS-4708	
MCL-6115 (46-109)	36-164 (MAW-24)	"	90-81	26-80 (MCH-90)	15-114 (SSX-4103)	
MCL-6115T (46-110)	36-218 (MCH-1024B)	36-587 (GJ-20BS)	"	"	15-115 (SSX-4103T)	
MCL-6131 (46-111)	36-217 (MCH-1024)	35-425 (GJ-20S)	90-263	26-186 (MAX-89R)	15-129 (SAW-4601)	
MCL-6138 (46-234)	36-164 (MAW-24)	"	"	[NR]	[NR]	
MCL-6154 (46-391)	36-217 (MCH-1024)	36-718 (MDT-46S)	"	[NR]	[NR]	
MCL-6159 (46-730)	"	35-425 (GJ-20S)	"	[NR]	[NR]	
MCL-6160 (46-864)	36-164 (MAW-24)	"	"	[NR]	[NR]	
MCL-6225 (46-235)	"	"	"	26-186 (MAX-89R)	15-79[e] (SAW-4201)	
MCL-6225A (46-2244)	36-577 (MAB-1024Z)	"	"	"	"	
MCL-6227 (46-951)	36-592 (MAX-1024)	"	"	[NR]	[NR]	
MCL-6228 (46-2155)	36-164 (MAW-24)	"	"	26-186 (MAX-89R)	15-79 (SAW-4201)	

[e] 15-148 (SAW-4203) Four Terminal Switch also available.

[NR] Not required.

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SERVICE PARTS LIST

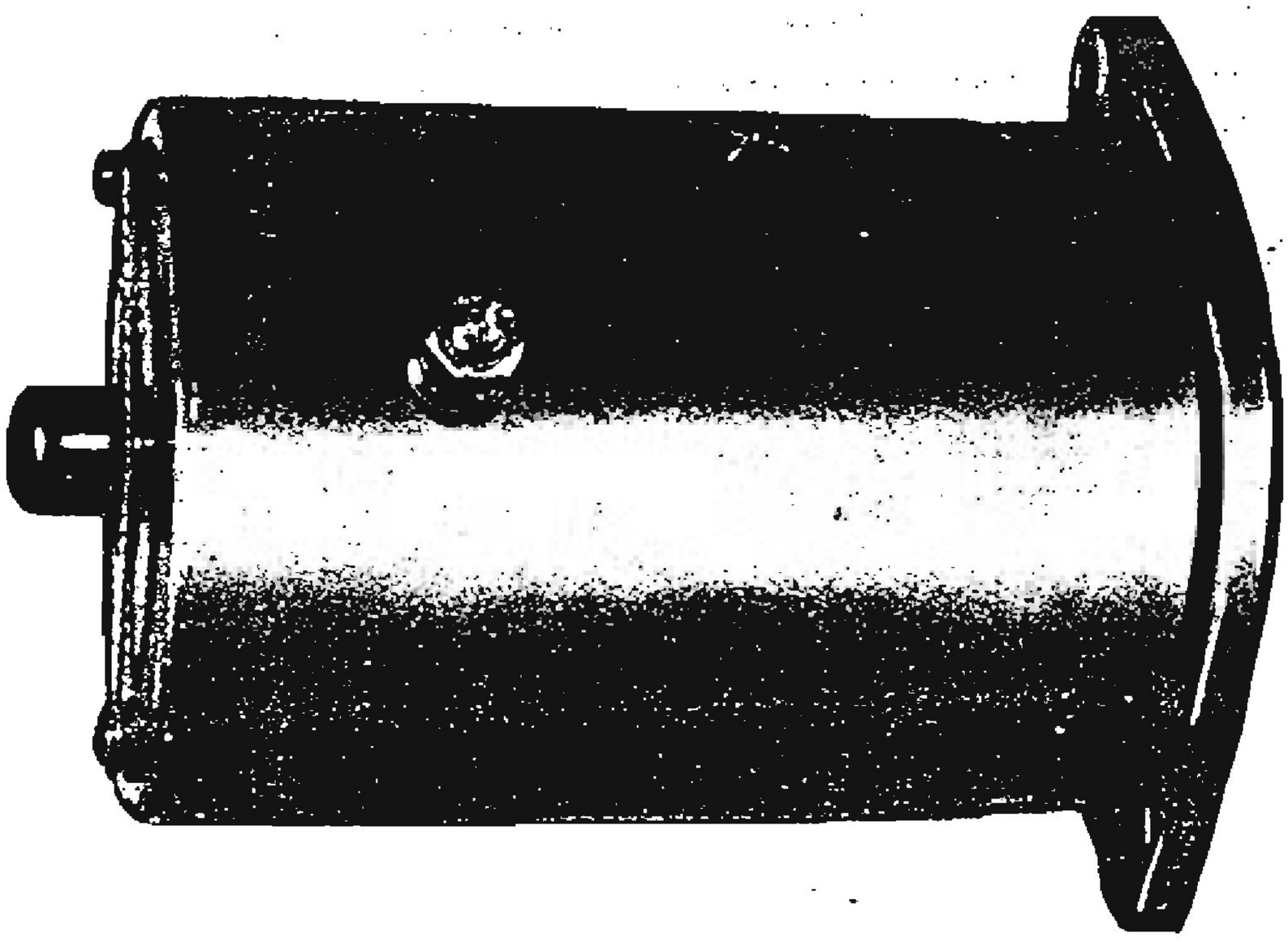
MCL-6500 SERIES

STARTING MOTORS

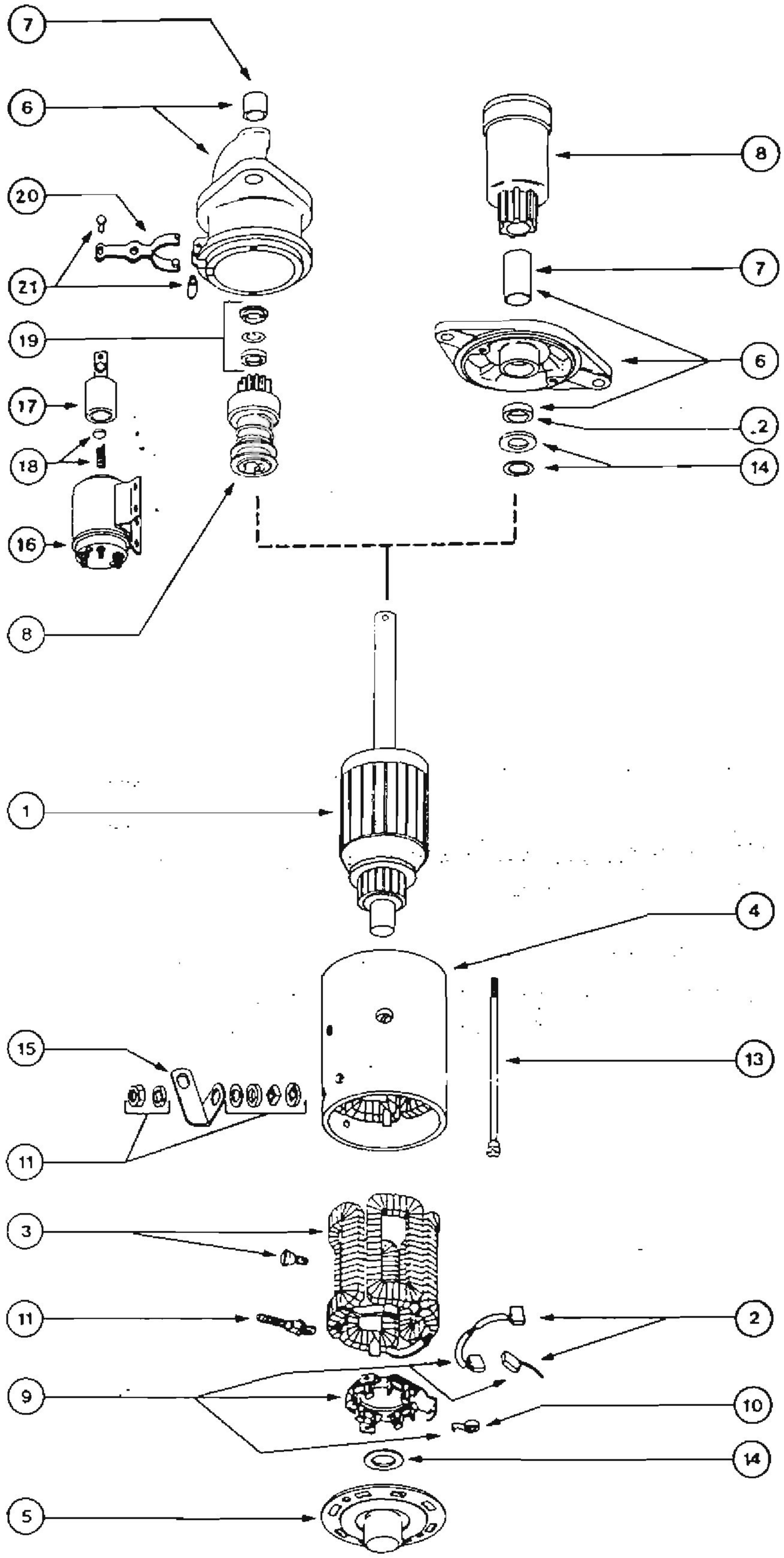
ISSUED: 1-17-85 (Rev.)

ORIG. EQUIP. MOTOR ENG. NUMBER		SERVICE MOTOR ENG. NUMBER	SALES NUMBER	VOLTS: 12 APPLICATION
MCL-6501		MCL-6501	46-940	Continental (Aircraft)
MCL-6502		MCL-6502	46-931	Franklin (Aircraft)
MCL-6503		MCL-6503	46-2003	Continental (Aircraft)
MCL-6506		MCL-6506	46-2276	Deutz Tractor
MCL-6507	USE	MCL-6507A	46-2581	Teledyne Wisconsin
MCL-6508		MCL-6508	46-2604	Hale Fire Pump
MCL-6508T		MCL-6508T	46-2605	Waterous

NOTE: SEE PARTS LIST FOR MOTOR BEING SERVICED WHEN COMPONENT PARTS ARE REQUIRED.



MCL-6500 STARTING MOTOR Parts List



Exploded View of Typical MCL-6500 STARTING MOTOR

Assembly	Armature (1)	Brush Set (2)	Field Coil Package (3)	Frame & Field Assembly (4)	Comm. End Head Assembly (5)	D.E. Head or Pinion Hsg. (6)	D.E. Bearing (7)
MCL-6501 (46-940)	16-865 (MCH-2147S)	17-144 (MHD-2012S)	20-742[d] (MCL-1005PS-1)	[NA]	19-32 (MDL-1002)	22-203 (MCL-2136)	24-20 (ML-18A)
MCL-6502 (46-931)	16-866 (MCH-2148S)	"	"	[NA]	"	22-153 (MDB-1003)	24-22 (MZ-46A)
MCL-6503 (46-2003)	16-453 (MCH-2151)	"	[NA]	58-268[d] (MCL-3071S)	"	22-181[a] (MCL-1137)	90-2118 [b]
MCL-6506 (46-2276)	16-591 (MCH-2176)	"	20-380 (MCL-1005PS)	[NA]	"	21-427 (PS-1464S)	24-83 (MCL-22)
MCL-6507 (46-2551)	16-884 (MCL-3156)	"	20-717 (MCL-1005US)	[NA]	"	21-446[c] (PS-2472AS)	"
MCL-6507A (46-2581)	"	"	"	[NA]	"	"	"
MCL-6508 (46-2604)	16-242 (MCM-2130A)	"	20-380 (MCL-1005PS)	[NA]	"	22-52[e] (MAC-1058G)	24-30 (MZ-44A)
MCL-6508T (46-2605)	16-930 (MCH-2130D)	"	[NA]	58-367[d] (MCL-2092SS)	19-97 (MDL-1002C)	22-155[f] (MAC-1058C)	24-22 (MZ-46A)

[NA] Not Available.
[a] 90-2191 D.E. Head Mounting Screw Package(20 Pcs.) also available.
[b] Bearing & Seal Package.
[c] 90-2804 Seal & Retainer Package also available.
[d] Includes Brush Set.
[e] 35-1 (8X-489) Oiler also available.
[f] 35-90 (X-3931) Oiler also available.

MCL-6500 SERIES

Assembly	Bendix Drive or Clutch (8)	Brush Plate Assembly (9)	Brush Spring Set (10)	Terminal Stud Package (11)	Oil Seal (12)	Thru Bolt Package (13)	Thrust Washer Package (14)
MCL-6501 (46-940)	[NR]	36-1169 (MFX-1064S)	50-263 (MZ-19S)	90-726	36-811 (XA-1024)	36-810 (GJ-200S)	90-2677
MCL-6502 (46-931)	59-161[g] (EBB-133)	"	"	"	36-507 (XA-560)	35-425 (GJ-20S)	90-263
MCL-6503 (46-2003)	[NR]	36-505 (MFX-1064)	"	"	90-2118 [b]	36-856 (MAJ-20CS)	90-2232
MCL-6506 (46-2276)	18-53 (MDL-3172)	"	"	"	[NR]	35-425 (GJ-20S)	90-2424
MCL-6507 (46-2551)	18-55 (BRC-3102D)	"	"	"	90-2804	36-1157 (MHA-30AS)	"
MCL-6507A (46-2581)	"	"	"	"	"	"	"
MCL-6508 (46-2604)	[NR]	"	"	"	[NR]	35-425 (GJ-20S)	90-263
MCL-6508T (46-2605)	[NR]	36-1169 (MFX-1064S)	"	[NA]	[NR]	"	"

[NA] Not available.

[NR] Not required.

[b] Bearing & Seal Package.

[g] 90-2139 Bendix Pin Package(25Pcs.) also available.

SHEET 3 ISSUED: 1-17-85 (Rev.)

Assembly	Switch Connector (15)	Switch (16)	Moving Core Assembly (17)	Spring & Plug Package (18)	Pinion Stop & Lock Ring Package (19)	Yoke Assembly (20)	Yoke Parts Package (21)
MCL-6501 (46-940)	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]
MCL-6502 (46-931)	26-189 (MZ-144)	[h]	[NR]	[NR]	[NR]	[NR]	[NR]
MCL-6503 (46-2003)	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]
MCL-6506 (46-2276)	26-316 (MCL-142)	15-321 (SAD-4402)	36-524[j] (SAD-1021A)	50-381 (SAD-27S)	90-2721	23-6 (MCH-1074E)	90-684
MCL-6507 (46-2551)	26-351 (MCL-142A)	"	37-47[j] (SAD-1021)	"	"	"	"
MCL-6507A (46-2581)	"	"	"	"	"	"	"
MCL-6508 (46-2604)	26-186 (MAX-89R)	15-79 (SAW-4201)	[NR]	[NR]	[NR]	[NR]	[NR]
MCL-6508T (46-2605)	"	15-163 (SAW-4201T)	[NR]	[NR]	[NR]	[NR]	[NR]

[h] No longer available.

[j] 37-39 (SA0-33) Rubber Cap also available.

[NR] Not required.