prestolite®

SERVICE PARTS LIST

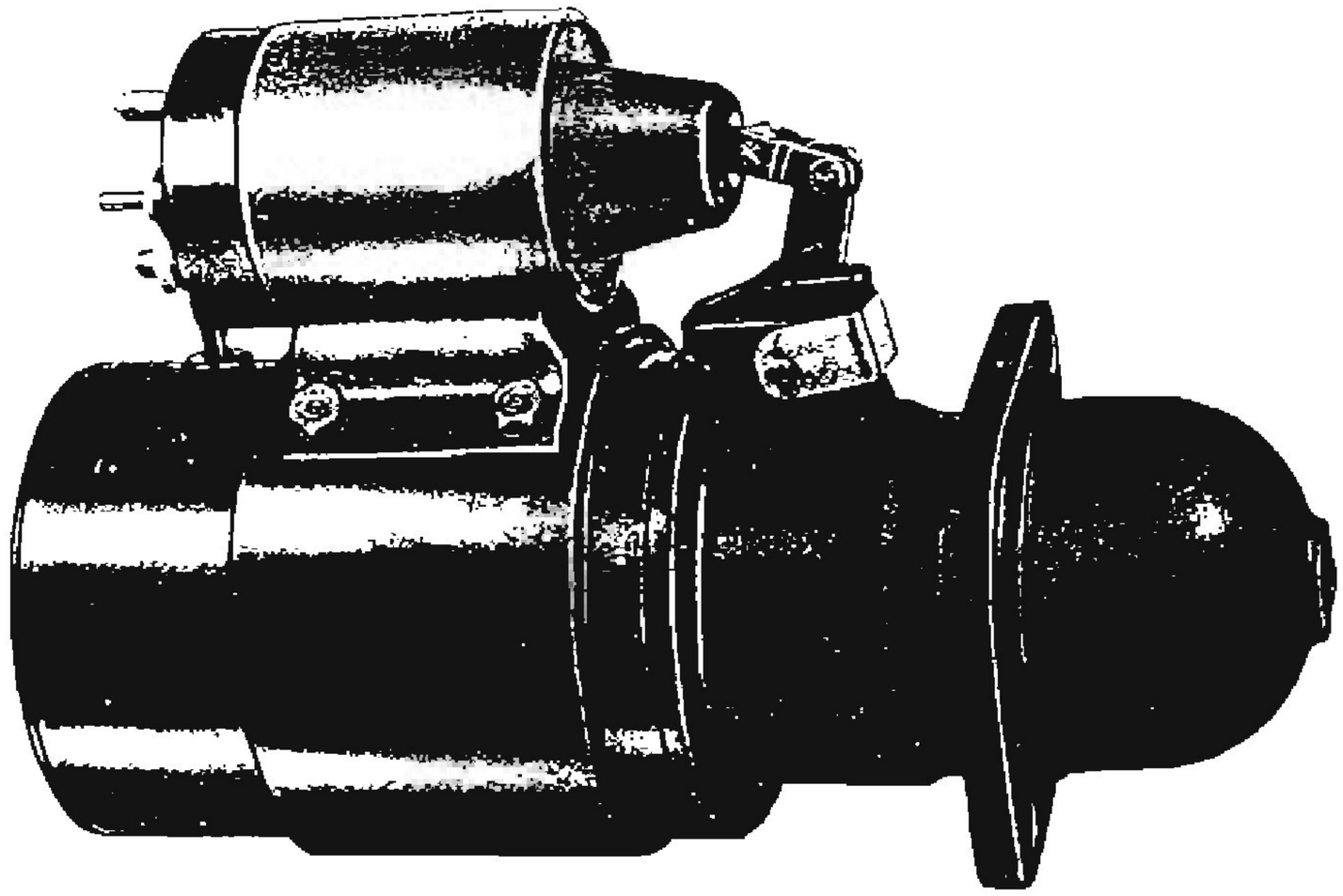
MEO SERIES

MOTORS

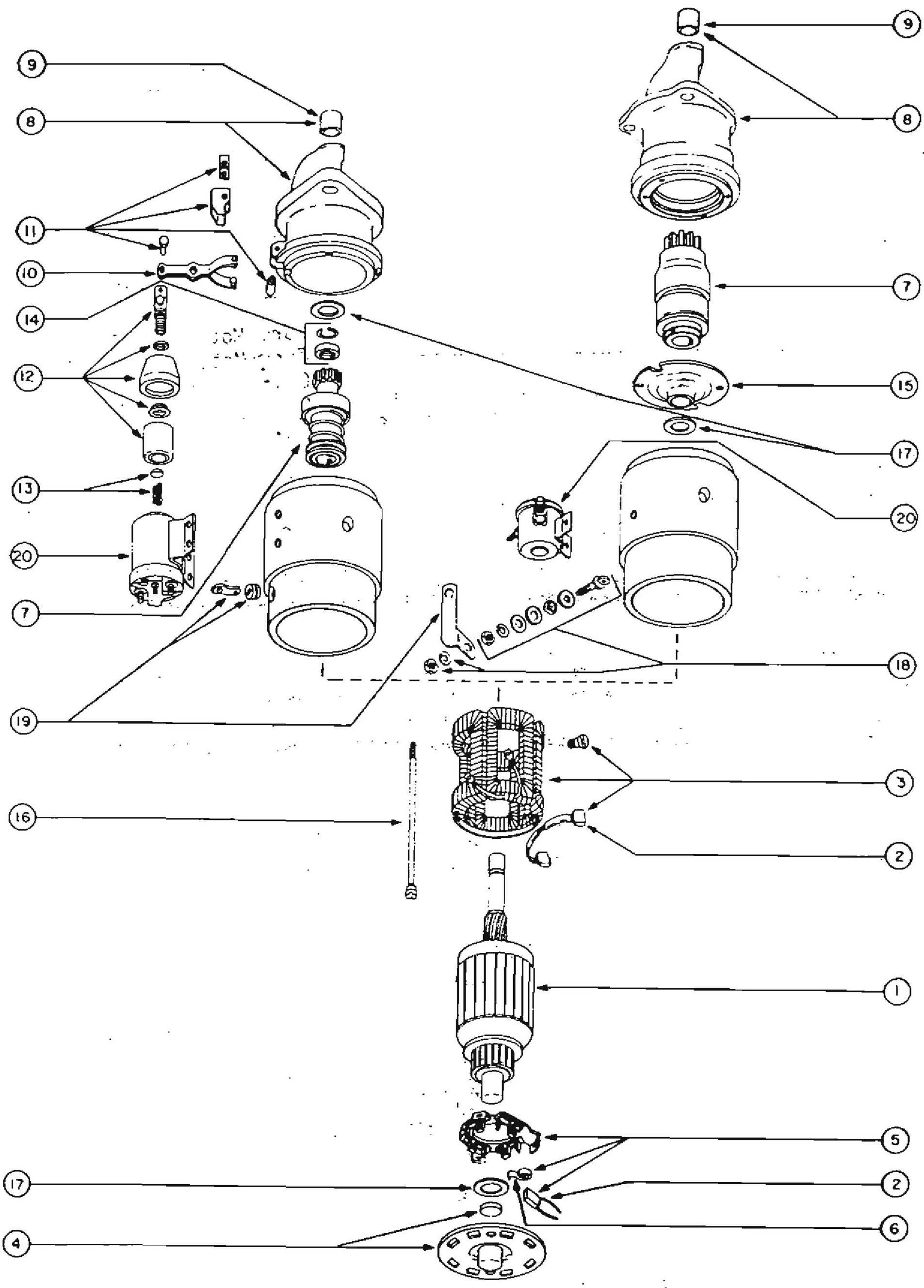
ISSUED : 7-1-87 (Rev)

ORIG. EQUIP. MOTOR ENG. NUMBER		SERVICE MOTOR ENG. NUMBER	SALES NUMBER	VOLTS: 12 APPLICATION
MEO-4001		- - - -	- - - -	Ford Motor Co.#D8JL-11001-A
MEO-4002		- - - -	- - - -	Ford Motor Co.#D9JL-11001-A
MEO-6003		MEO-6003	46-185	Onan, Thermo King
MEO-6003T		MEO-6003T	46-863	Onan(Military)
MEO-6005	USE	MEO-6005S	46-2663	Thermo King
MEO-6005A	USE	MEO-6005S	46-2663	Transicold
MEO-6005S		MEO-6005S	46-2663	Service Motor
MEO-6008		- - - -	- - - -	Ford Motor Co.#D5JL-1101-A
MEO-6009		MEO-6009	46-2465	Onan
MEO-6201		MEO-6201	46-2613	Outboard Marine
MEO-7002		MEO-7002	46-934	Baker, Schreck
MEO-7002A		- - - -	- - - -	Baker #991041
MEO-7003		MEO-7003	46-2237	Mercury Marine
MEO-7004		MEO-7004	46-2246	Thermo Electron
MEO-7005		MEO-7005	46-2247	Thermo Electron
MEO-7006		MEO-7006	46-2484	Mercury Marine
MEO-7007	USE	MEO-6201	46-2613	Outboard Marine
MEO-7007A	USE	MEO-6201	46-2613	Outboard Marine

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



MEO Series Motor Parts List



Exploded View of Typical MEO Motor

SHEET 2 ISSUED: 7-1-87 (REV.)

Assembly	Armature (1)	Brush Set (2)	Field Coil Package (3)	Comm.End Head Assembly (4)	Brush Plate Assembly (5)	Brush Spring Set (6)	Bendix Drive or Clutch (7)
MEO-4001 [PB]	16-803 (MCH-2164)	17-43 (MEJ-2012AS)	20-547 (MDY-1005GS)	19-32 (MDL-1002)	36-55 (MEJ-1064)	50-263 (MZ-195)	59-248[a] (E6B-174)
MEO-4002 [PB]	"	"	"	"	"	"	"
MEO-6003 (46-185)	16-102 (MCH-3134)	17-41 (MEJ-2012S)	20-70 (MDY-2005BS)	19-139 (MDT-1052)	"	"	18-58 (BRC-3103)
MEO-6003T (46-863)	16-374 (MCH-3134A)	"	58-358[b] (MDY-3028CS)	19-93 (MDT-1052A)	36-780 (MEJ-1064A)	"	18-61 (BRC-3104)
MEO-6005 .S (46-2663)	16-1011 (MCH-2152)	17-43 (MEJ-2012AS)	20-787 (MDY-1005BSS)	19-38 (MDT-1002)	36-55 (MEJ-1064)	"	18-59 (BRC-3009)
MEO-600SA [PB]	"	"	"	"	"	"	"
MEO-6008 [PB]	16-787 (MCH-2162)	"	20-547 (MDY-1005GS)	19-146 (MDL-10020)	"	"	59-34 (E8B-19)
MEO-6009 (46-2465)	16-102 (MCH-3134)	17-41 (MEJ-2012S)	20-70 (MDY-2005BS)	19-139 (MDT-1052)	"	"	18-58 (BRC-3103)
MEO-6201 (46-2613)	16-938 (MCH-2226B)	17-182 (MDL-2012LS)	20-570 (MDY-2005JS)	19-410 (MDL-1002GS)	36-962 (MDL-1064MS)	"	59-245 (E8B-172)
MEO-7002 (46-934)	16-386 (MCH-2153)	17-47 (MDL-1118S)	20-79 (MDY-1005DS)	19-38 (MDT-1002)	36-64 (MDL-1064F)	"	[NR]
MEO-7002A [PB]	"	"	"	"	"	"	[NR]
MEO-7003[*] (46-2237)	16-576[**] (MCH-219S)	17-182 (MDL-2012LS)	20-69 (MDY-1005BS)	19-38[**] (MDT-1002)	36-962 (MDL-1064MS)	"	59-2[c] (E8B-75)
MEO-7004[*] (46-2246)	16-587[**] (MCH-2188)	17-39 (MDL-2012CS)	20-593 (MDY-2005KS)	"	36-67 (MDL-1064)	"	59-129 (E8B-88)
MEO-7005[*] (46-2247)	"	"	20-55 (MDY-1005AS)	"	"	"	59-44 (EB8-688)
MEO-7006 (46-2484)	16-928 (MCH-2226A)	17-182 (MDL-2012LS)	20-570 (MDY-2005JS)	19-368[d] (MEO-1002)	36-962 (MDL-1064MS)	"	59-245 (E8B-172)
MEO-7007 (46-2589)	"	"	"	19-410 (MDL-1002GS)	"	"	"
MEO-7007A (46-2602)	"	"	"	"	"	"	"

[PB] Private Brand Part - not available thru Prestolite.
[a] 90-2139 Bendix Pin Package(25Pcs.) also available.
[b] Complete Frame & Field Assembly, individual Coils not available.
[c] 90-2140 Bendix Pin Package (25Pcs.) also available.
[d] Includes 24-44 (BOC-34) Bronze Bearing.
[NR] Not required.

[*] Conforms to S.A.E. J1171 External Ignition Protection of Marine Electrical Devices.

[**] These parts are essential to continuing External Ignition Protection. Use only genuine Prestolite Service Parts for replacement. Do not alter or substitute.

MEO SERIES

Assembly	D.E.Head Assy. or Pinion Hsg. (8)	D.E. Bearing (9)	Yoke (10)	Yoke Parts Package (11)	Moving Core Assembly (12)	Spring & Plug Package (13)	Pinion Stop & Lock Ring Package (14)
MEO-4001 [PB]	22-304 (MCL-1140)	24-84 (MCL-139)	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-4002 [PB]	"	"	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-6003 (46-185)	21-119 (PS-1391)	24-28 (MP-41A)	23-6 (MCH-1074E)	90-642	37-47[e] (SAD-1021)	50-381 (SAD-27S)	90-83
MEO-6003T (46-863)	21-178 (PS-1391A)	"	23-8 (MCH-1074A)	90-626	36-93[e] (SAD-1021F)	50-374 (SAD-27AS)	90-502
MEO-6005 ,S (46-2663)	21-452 (PS-1453S)	"	23-6 (MCH-1074E)	90-642	37-47[e] (SAD-1021)	50-381 (SAD-27S)	90-83
MEO-6005A [PB]	"	"	"	"	"	"	"
MEO-6008 [PB]	21-432 (PS-1456S)	24-44 (MDC-34)	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-6009 (46-2465)	21-119 (PS-1391)	24-28 (MP-41A)	23-6 (MCH-1074E)	90-642	37-47[e] (SAD-1021)	50-381 (SAD-27S)	90-83
MEO-6201 (46-2613)	21-499 (PS-1474A)	24-86 (MEO-38)	[NR]	[NR]	[NR]	[NR]	90-2693
MEO-7002 (46-934)	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-7002A [PB]	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-7003[*] (46-2237)	21-415[**] (PS-1461S)	24-4 (MDD-34)	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-7004[*] (46-2246)	21-111[**] (PS-1352A)	"	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-7005[*] (46-2247)	"	"	[NR]	[NR]	[NR]	[NR]	[NR]
MEO-7006 (46-2484)	21-440 (PS-1470)	24-86 (MED-38)	[NR]	[NR]	[NR]	[NR]	90-2693
MEO-7007 (46-2589)	21-447 (PS-1474)	"	[NR]	[NR]	[NR]	[NR]	"
MEO-7007A (46-2602)	"	"	[NR]	[NR]	[NR]	[NR]	"

[PB]Private Brand Part - not available thru Presolite.

[e]37-39 (SAD-33) Rubber Cap also available separately.

[NR]Not required.

[*] Conforms to S.A.E.J1171 External Ignition Protection of Marine Electrical Devices.

[**] These parts are essential to continuing External Ignition Protection. Use only genuine Prestolite Service Parts for replacement. Do not alter or substitute.

SHEET 3 ISSUED: 7-1-87 (REV.)

Assembly	Intermediate Bearing Assembly (15)	Thru Bolt Package (16)	Thrust Washer Package (17)	Terminal Stud Package (18)	Switch Connector (19)	Switch (20)
MEO-4001 [PB]	[NR]	35-425 (GJ-20S)	90-263	90-726	[NR]	[NR]
MEO-4002 [PB]	[NR]	"	"	"	[NR]	[NR]
MEO-6003 (46-185)	[NR]	36-563 (MEC-20S)	90-503	[NA]	90-2181	15-325 (SAD-4403)
MEO-6003T (46-863)	[NR]	36-715 (MEC-20AS)	"	[NA]	"	15-241 (SAD-4401T)
MEO-6005,S (46-2663)	(NR)	36-563 (MEC-20S)	"	[NA]	"	15-61 (SAD-4401)
MEO-6005A [PB]	[NR]	"	"	[NA]	"	"
MEO-6008 [PB]	36-8 (MCH-1051)	36-1053 (MMG-20S)	90-263	90-726	[NR]	[NR]
MEO-6009 (46-2465)	[NR]	36-563 (MEC-20S)	90-503	[NA]	90-2181	15-389 (SAD-4404)
MEO-6201 (46-2613)	36-1173[f] (MZ-13608)	36-715[g] (MEC-20AS)	90-53	90-2834	[NR]	[NR]
MEO-7002 (46-934)	[NR]	35-425 (GJ-20S)	90-263	90-711	[NR]	[NR]
MEO-7002A [PB]	[NR]	"	"	"	[NR]	[NR]
MEO-7003[*] (46-2237)	36-8[**] (MCH-1051)	35-425[**] (GJ-20S)	"	90-711[**]	[NR]	[NR]
MEO-7004[*] (46-2246)	"	"	"	"	26-95 (S5-6L)	15-405[*] (SAW-4201Y)
MEO-7005[*] (46-2247)	"	"	"	"	"	"
MEO-7006 (46-2484)	[NR]	36-1093 (MW-20ES)	"	90-711	[NR]	[NR]
MEO-7007 (46-2589)	[NR]	36-715[g] (MEC-20AS)	90-53	90-2834	[NR]	[NR]
MEO-7007A (46-2602)	[NR]	"	"	-	[NR]	[NR]

[PB] Private Brand Part - not available thru Prestolite.
[f] 24-20(ML-18A) Bronze Bearing also available separately.
[g] 36-981(MGO-54S) Damper Pad Package (10Pcs.) also available.
[NA] Not available.
[NR] Not required.

[*] Conforms to S.A.E. J1171 External Ignition Protection of Marine Electrical Devices.

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TEMPORARY PARTS LIST

prestolite®

SERVICE PARTS LIST

ASSY. NO. MEO-7007

SALES NO. 46-2589

STARTING MOTOR

ISSUED 7-18-83 Rev. 9-26-84

Application O.M.C.

Service Part No.	No. Used	Part Description	Prestolite Sales No.
MCH-2226A	1	ARMATURE	16-928
EBB-172	1	BENDIX DRIVE(FACET #10071)	59-245
MGD-54S	1	DAMPER PAD PACKAGE (10 PCS.)	36-981
MDY-2005JS	1	FIELD COIL PKG.(POLE SHOE SCREWS INCL.)	20-570
**	1	Brush	
MDL-1002GS	1	HEAD ASSEMBLY,COMM.END	19-410
PS-1474	1	HOUSING ASSEMBLY,PINION	21-447
MEO-38	1	BEARING,ABS.BRONZE	24-86
90-2693	1	PINION STOP & LOCK RING PACKAGE	90-2693
MDL-1064MS +	1	PLATE ASSEMBLY,BRUSH	36-962
**	2	Brush,Grounded	
MZ-19S	1	SPRING SET,BRUSH	50-263
90-2834	1	TERMINAL STUD PKG.(HDWE.INCL.)	90-2834
MEC-20AS +	1	THRU BOLT PACKAGE	36-715
90-53	1	THRUST WASHER PACKAGE *	90-53
MDL-2012LS	**	BRUSH SET,SERVICE	17-182

* Use as required.

+ Note: Due to severe vibration in this Application it is recommended that locktite be used when replacing these parts.

TEMPORARY PARTS LIST

prestolite®

SERVICE PARTS LIST

ASSY. NO. MEO-7007A

SALES NO. 46-2602

STARTING MOTOR

ISSUED 9-17-84

Application O.M.C.

Service Part No.	No. Used	Part Description	Prestolite Sales No.
MCH-2226A	1	ARMATURE	16-928
EBB-172	1	BENDIX DRIVE(FACET #10071)	59-245
MGD-54S	1	DAMPER PAD PACKAGE(10PCS.)	36-981
MDY-2005JS	1	FIELD COIL PKG.(POLE SHOE SCREWS INCL.)	20-570
**	1	Brush	
MDL-1002GS	1	HEAD ASSEMBLY,COMM.END	19-410
PS-1474	1	HOUSING ASSEMBLY,PINION	21-447
MEO-38	1	BEARING,ABS.BRONZE	24-86
90-2693	1	PINION STOP & LOCK RING PACKAGE	90-2693
MDL-1064MS +	1	PLATE ASSEMBLY,BRUSH	36-962
**	2	Brush,Grounded	
MZ-19S	1	SPRING SET,BRUSH	50-263
90-2834	1	TERMINAL STUD PKG.(HDWE.INCL.)	90-2834
MEC-20AS +	1	THRU BOLT PACKAGE	36-715
90-53	1	THRUST WASHER PACKAGE *	90-53
MDL-2012LS	**	BRUSH SET,SERVICE	17-182

* Use as required.

+Note: Due to severe vibration in this application it is recommended that locktite be used when replacing these parts.