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SERVICE PARTS LIST

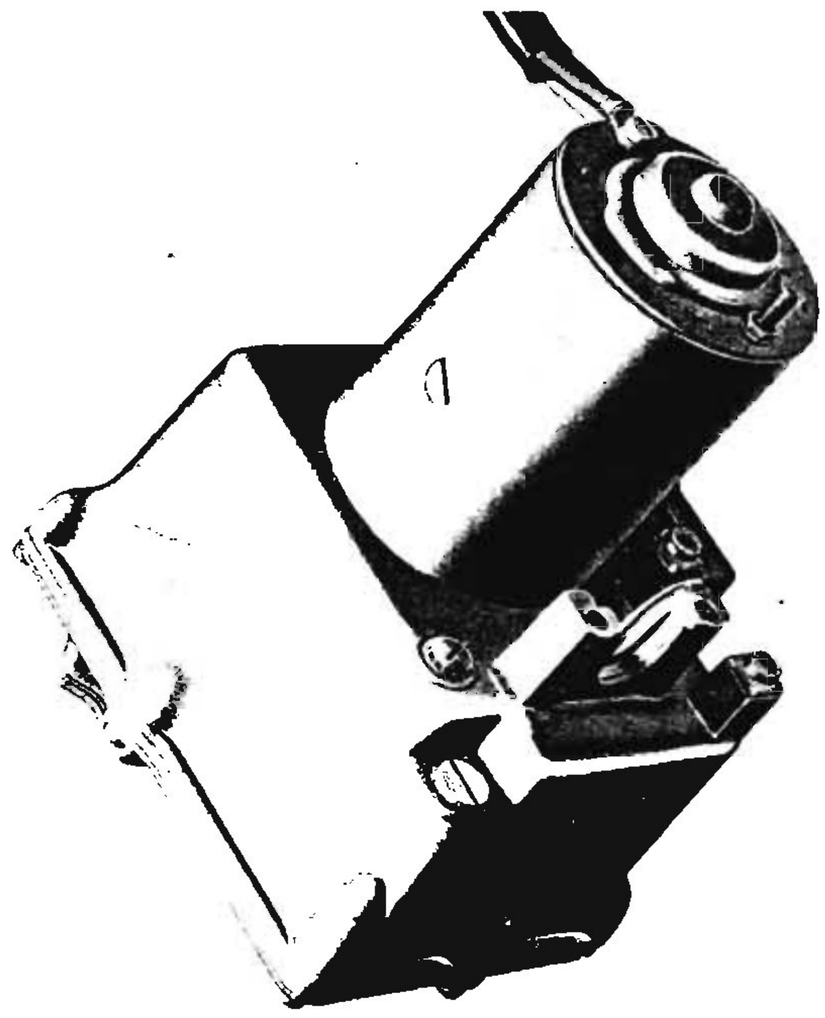
HYC-5000 SERIES

HYDRAULIC ACTUATOR(HEAVY DUTY)

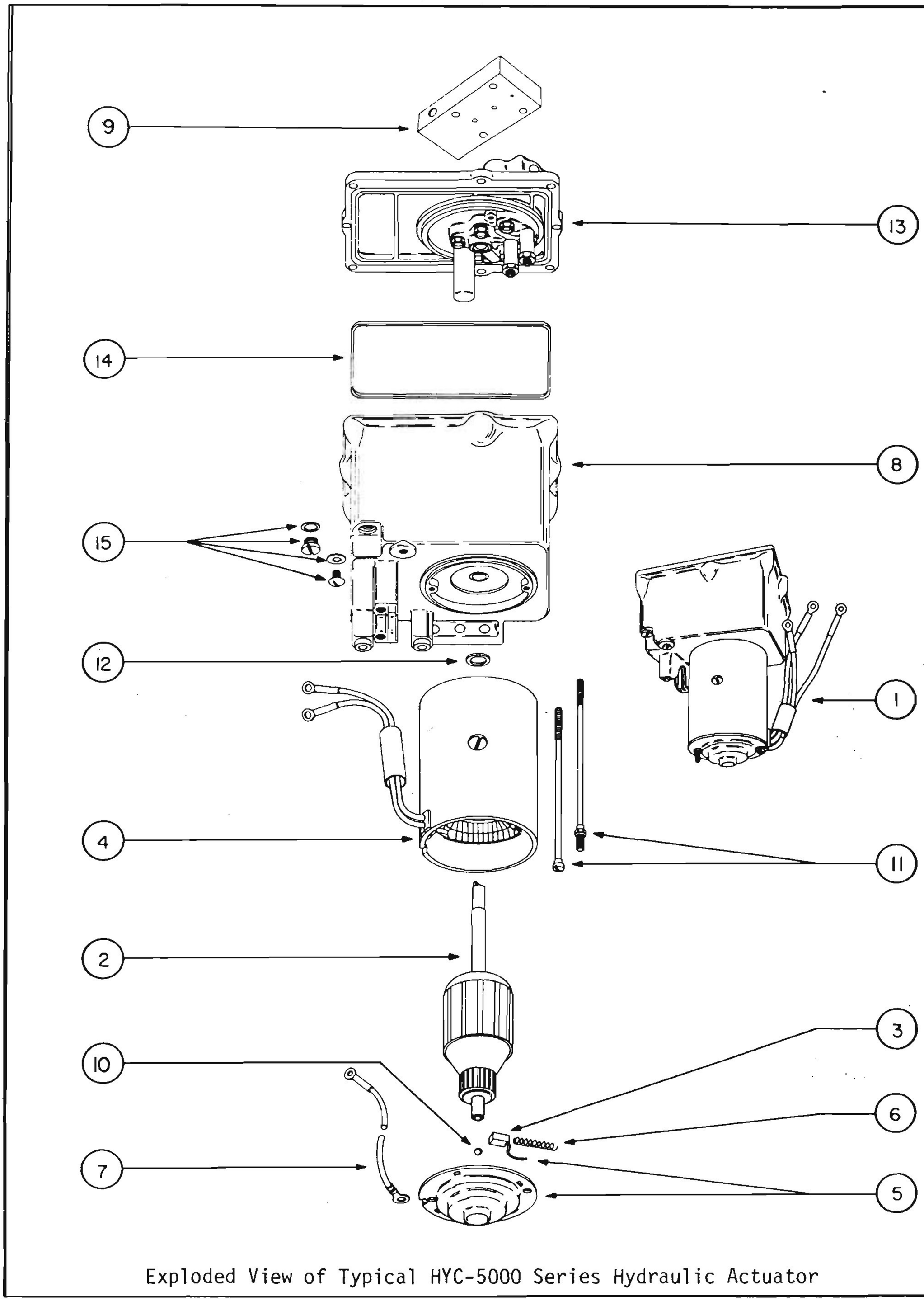
ISSUED: 1-27-87 (Rev.)

ORIG.EQUIP.HYDRAULIC ENG. NUMBER		SERVICE HYDRAULIC ENG. NUMBER	SALES NUMBER	VOLTS: 12 APPLICATION
HYC-5001	USE	HYC-5006	63-305	Rockwell Int'l (Aircraft)
HYC-5003		HYC-5003	- - -	Mercury Marine
HYC-5004	USE	HYC-5109	63-377	Mercury Marine
HYC-5005		HYC-5005	63-292	Piper(Aircraft)
HYC-5006		HYC-5006	63-305	Rockwell Int'l (Aircraft)
HYC-5007	USE	HYC-5109	63-377	Mercury Marine
HYC-5008	USE	HYC-5508	63-398	Mercury Marine
HYC-5009	USE	HYC-5109	63-377	Mercury Marine
HYC-5013		HYC-5013	63-437	Kiekhaefer Aeromarine
HYC-5013A		HYC-5013A	63-443	Kiekhaefer Aeromarine
HYC-5108	USE	HYC-5508	63-398	Mercury Marine
HYC-5109		HYC-5109	63-377	Mercury Marine
HYC-5110		HYC-5110	63-424	Mercury Marine
HYC-5502		HYC-5502	63-435	Marine Drive Systems
HYC-5502A		HYC-5502A	63-445	Marine Drive Systems
HYC-5503		HYC-5503	63-419	Volvo-Penta(Marine)
HYC-5503A		HYC-5503A	63-447	Volvo-Penta(Marine)
HYC-5505		HYC-5505	63-450	Warner Gear
HYC-5508		HYC-5508	63-398	Mercury Marine

NOTE: SEE TABLE FOR ASSEMBLY BEING SERVICED WHEN PARTS ARE REQUIRED.



HYC-5000 Series Hydraulic Actuator Parts List



Exploded View of Typical HYC-5000 Series Hydraulic Actuator

Assembly	Motor & Reservoir Assembly (1)	Armature (2)	Brush Set (3)	Frame & Field Assembly (4)	Comm.End Head Assembly (5)	Brush Spring Set (6)	Ground Lead Assembly (7)
HYC-5001 (63-195)	40-292A (ERH-4010BS)	41-130 (ERH-2506B)	42-32 (ESQ-12S)	40-418 (ERH-2501CS)	40-242 (ERH-2202)	50-270 (EPG-18S)	26-227 (ETH-31A)
HYC-5003 [c]	40-351A (ERH-4013S)	"	"	40-353 (ERH-2501B)	"	"	"
HYC-5004 (63-285)	40-380 (ERH-4017S)	"	"	40-418 (ERH-2501CS)	"	"	26-335 (ERH-31)
HYC-5005 (63-292)	40-370A (ERH-4011S-1)	"	"	40-453 (ERH-2601S)	"	"	26-251 (ERH-42)
HYC-5006 (63-305)	40-292A (ERH-4010BS)	"	"	40-418 (ERH-2501CS)	"	"	26-227 (ETH-31A)
HYC-5007 (63-298)	40-380 (ERH-4017S)	"	"	"	"	"	26-335 (ERH-31)
HYC-5008[a] (63-303)	40-380[a] (ERH-4017S)	41-130[b] (ERH-2506B)	"	40-418[b] (ERH-2501CS)	40-242[b] (ERH-2202)	"	"
HYC-5009 (63-325)	40-380 (ERH-4017S)	41-130 (ERH-2506B)	"	40-418 (ERH-2501CS)	40-242 (ERH-2202)	"	"
HYC-5013[a] (63-437)	40-412[a] (ERH-4019AS)	41-130[b] (ERH-2506B)	"	40-390[b] (ERH-2501E)	40-242[b] (ERH-2202)	"	26-335 (ERH-31)
HYC-5013A[a] (63-443)	"	"	"	"	"	"	"
HYC-5108[a] (63-359[g]	40-413[a] (ERH-4102S)	41-134[b] (ERH-2136)	42-54 (EVF-1012BS)	40-415[b] (ERH-2131)	40-414[b] (ERH-2202BSS)	"	"
HYC-5109[g] (63-377)	40-413 (ERH-4102S)	41-134 (ERH-2136)	"	40-415 (ERH-2131)	40-414 (ERH-2202BSS)	"	"
HYC-5110[g] (63-424)	40-440 (ERH-4105S)	"	"	40-441 (ERH-2131C)	"	"	"
HYC-5502[a] (63-435)[g]	40-413[a] (ERH-4102S)	41-134[b] (ERH-2136)	"	40-415[b] (ERH-2131)	40-414[b] (ERH-2202BSS)	"	"
HYC-5502A[a] (63-445[g]	"	"	"	"	"	"	"
HYC-5503[a] (63-419)[g] [m]	40-434[a] (ERH-4104S)	"	"	40-435[b] (ERH-2131B)	"	"	26-336 (ETH-31B)
HYC-5503A[a] (63-447) [g] [m]	"	"	"	"	"	"	"
HYC-5505[a] (63-450)[g]	40-493[a] (ERH-4103AS)	"	"	40-494[b] (ERH-2131D)	"	"	26-355 (ERH-31B)
HYC-5508[a] (63-398)[g]	40-413[a] (ERH-4102S)			40-415[b] (ERH-2131)			26-335 (ERH-31)

[a] Conforms to SAE J1171 External Ignition Protection of Marine Electrical Devices.
[b] These Parts are essential to continuing External Ignition Protection. Use only Genuine Prestolite Service Parts for replacement. Do not alter or substitute.
[c] Complete Assembly available thru Mercury Marine only.
[g] 90-2685 Coupler & Shaft Pkg. also available.

[m] Following Parts used with but not part of this Actuator.
63-364(HYD-4008A)Hydraulic Cylinder (Starboard).
63-365(HYD-4008B)Hydraulic Cylinder (Port).
15-400(SAZ-4201AHY)Solenoid Switch(See Note "a")

HYC-5000 SERIES

Assembly	Reservoir & Bracket Assembly (8)	Manifold Assembly (9)	Steel Ball (10)	Thru Bolt Package (11)	Thrust Washer Package (12)	Valve Body &Gear Case Assembly (13)	Seal Ring Package (14)	Screw & Parts Package (15)
HYC-5001 (63-195)	40-241[p] (ERH-1003)	[NR]	43-414 (104986)	43-355 (EMJ-20BS)	90-479	63-349 (HYC-2053S)	63-82A (105330S)	90-793
HYC-5003 [c]	40-352[p] (ERH-1003A)	[NR]	"	"	"	63-247 (HYC-2052S)	"	90-2381
HYC-5004 (63-285)	40-241[p] (ERH-1003)	[NR]	"	"	"	63-380 (HYC-2056FS-1)	"	90-793
HYC-5005 (63-292)	"	[NR]	"	"	43-397 (EWR-81S)	63-433 (HYC-2056HS)	"	"
HYC-5006 (63-305)	"	[NR]	"	"	90-479	63-434 (HYC-2056JS)	"	"
HYC-5007 (63-298)	"	[NR]	"	"	"	63-380 (HYC-2056FS-1)	"	"
HYC-5008[a] (63-303)	40-241[b][p] (ERH-1003)	[NR]	"	43-355[b] (EMJ-20BS)	"	63-379 (HYC-2056-1)	"	"
HYC-5009 (63-325)	40-241[p] (ERH-1003)	[NR]	"	43-355 (EMJ-20BS)	"	63-380 (HYC-2056FS-1)	"	"
HYC-5013[a] (63-437)	40-241[b][p] (ERH-1003)	[NR]	"	43-355[b] (EMJ-20BS)	43-398 (EVD-45S)	63-438 (HYC-2062S-1)	"	"
HYC-5013A[a] (63-443)	"	[NR]	"	"	"	63-444 (HYC-2062AS)	"	"
HYC-5108 [a] (63-359)	40-514[b][p] (ERH-1123BS)	[NR]	43-391 (104160)	[b][n]	90-479	63-351 (HYC-2056)	"	90-2736
HYC-5109 (63-377)	40-514 (ERH-1123BS)	[NR]	"	[n]	"	63-378 (HYC-2056FS)	"	"
HYC-5110[g] (63-424)	"	[NR]	"	"	"	63-425 (HYC-2056FS-2)	"	"
HYC-5502[a] (63-435)[g]	40-514[b][p] (ERH-1123BS)	[NR]	"	[b][n]	"	63-436 (HYC-2058A)	"	"
HYC-5502A[a] (63-445[g]	"	[NR]	"	[b][n]	"	63-446 (HYC-2058BS)	"	90-2715
HYC-5503[a] (63-419[g] [m]	"	[NR]	"	[b][n]	"	63-420 (HYC-2063)	"	90-2736
HYC-5503A[a] (63-447)[g] [m]	"	[NR]	"	[b][n]	"	63-448 (HYC-2063AS)	"	"
HYC-5505[a] (63-450)[g]	"	[NR]	"	[b][n]	"	63-449 (HYC-2063BS)	"	"
HYC-5508[a] (63-398)[g]	"	[NR]	"	[b][n]	"	63-399 (HYC-2058)	"	"

[a] Conforms to SAE J1171 External Ignition of Marine Electrical Devices.
[b] These parts are essential to continuing External Ignition Protection. Use only Genuine Prestolite Service Parts for replacement. Do not alter or substitute.
[c] Complete Assembly available thru Mercury Marine only.
[g] 90-2685 Coupler & Shaft Pkg. also available.
[p] Includes.75" O.D.Seal.(Also available in Pkg. of 5Pcs. 43-401(XA-1488S). Note: New Seal cannot be used to service early design units that have captive O-Rings.
[n] For flat hd. 5.25" long use 43-400 (ERH-21S). For Hex.Hd. 4.65: long use 43-413(ERH-21BS).
[m] Following Parts used with but not part of this Actuator.
63-364 (HYD-4008A)Hydraulic Cylinder(Starboard).
63-365(HYD-4008B)Hydraulic Cylinder(Port).
15-400(SAZ-4201AHY)Solenoid Switch(See Note "a")
[NR] Not required.

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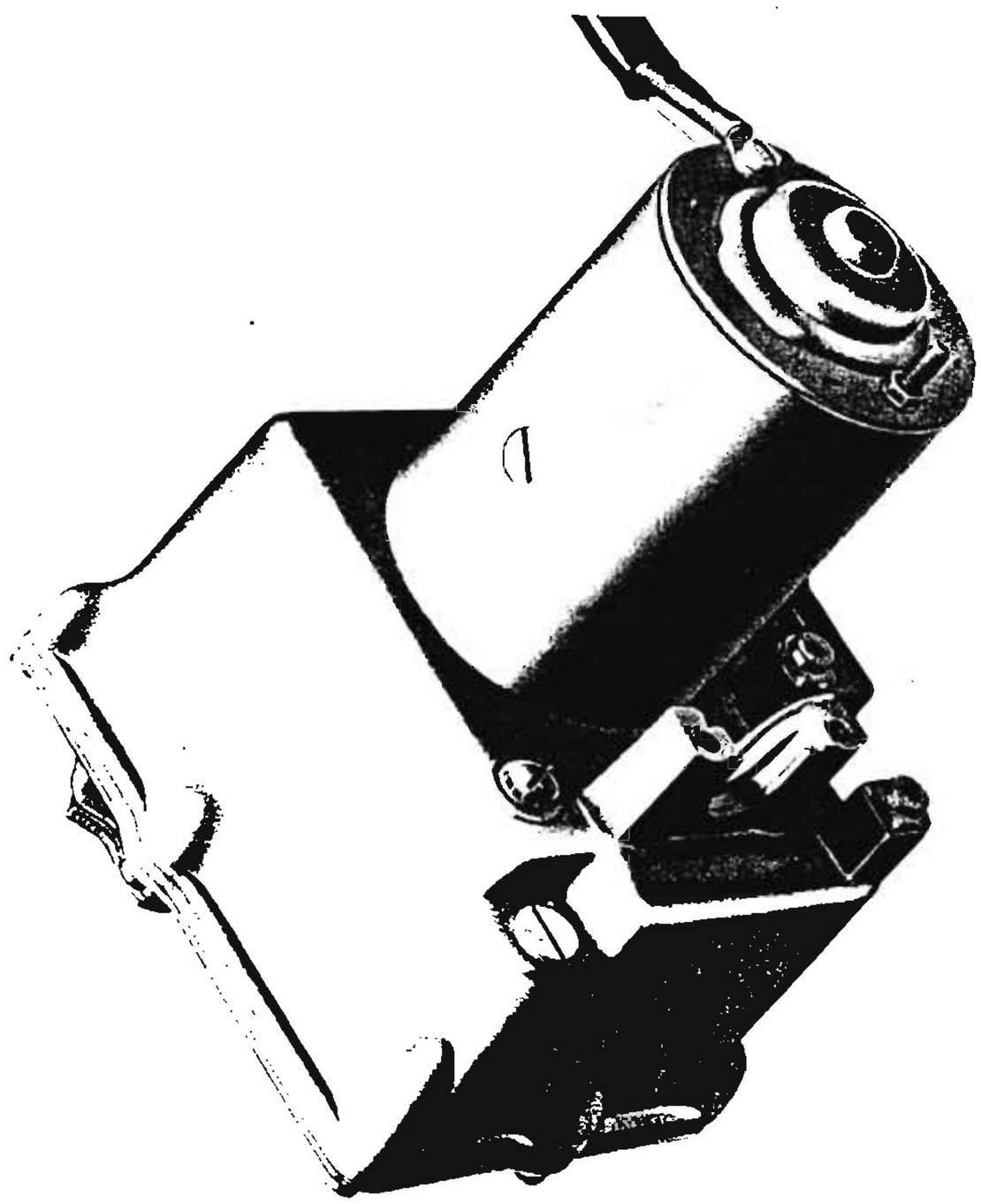
SERVICE PARTS LIST

HYC-6000 & HYH SERIES

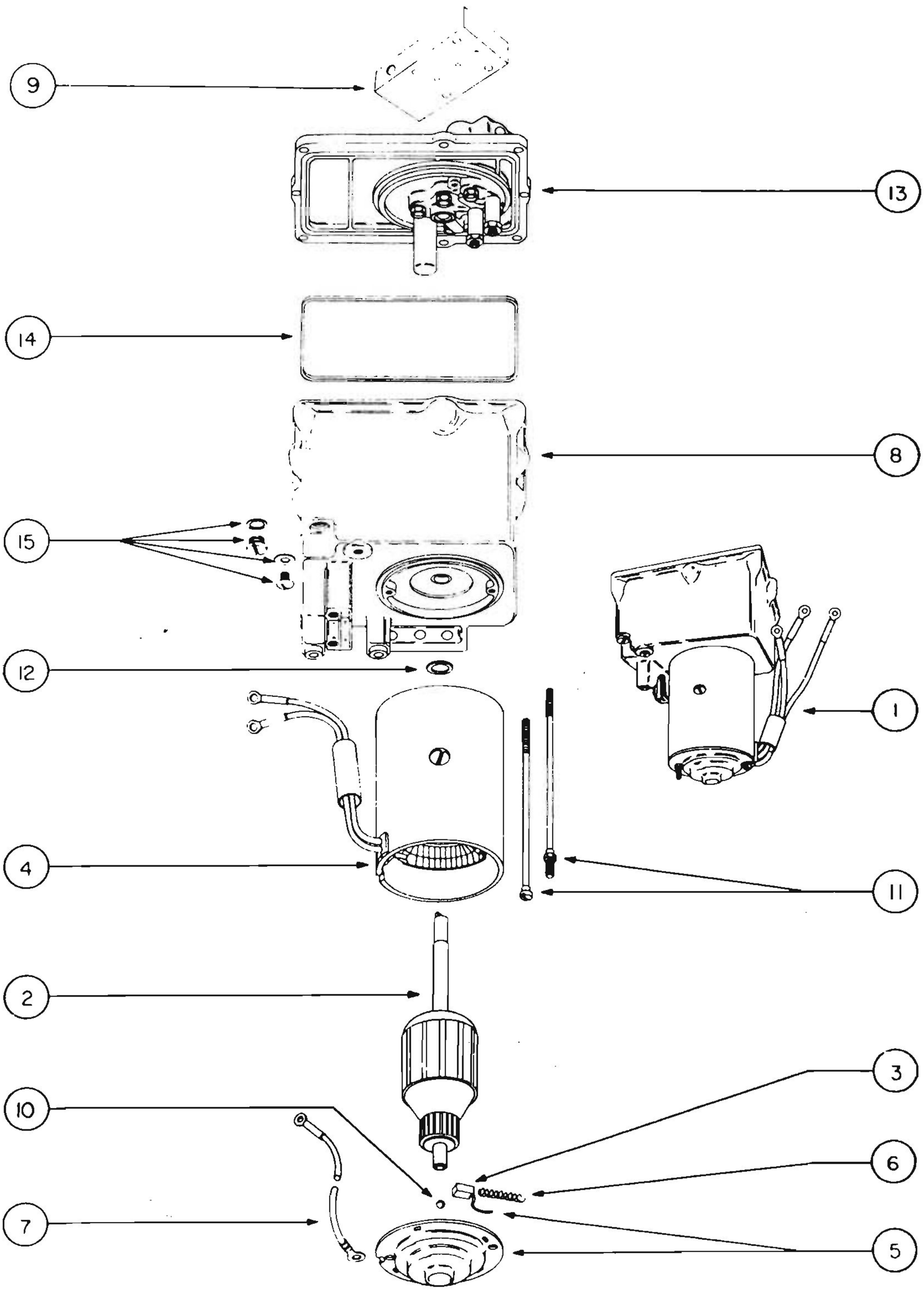
HYDRAULIC ACTUATOR (HEAVY DUTY)

ISSUED: 2-3-82(Rev.)

ORIG.EQUIP.HYDRAULIC ENG. NUMBER		SERVICE HYDRAULIC ENG. NUMBER	SALES NUMBER	APPLICATION
HYC-6001		HYC-6001	63-283	Chrysler Marine
HYC-6002S	USE	HYC-6005S	63-374	BMW(Marine)
HYC-6003S		HYC-6003S	63-317	Volvo-Penta(Marine)
HYC-6004S	USE	HYC-5504	63-421	Kiekhaefer Aeromarine
HYC-6005S		HYC-6005S	63-374	BMW (Marine)
HYC-6101S		HYC-6101S	63-366	Marine Drive System
HYH-5001		HYH-5001	63-362	Beech Air Craft



HYC-6000 & HYH Series Hydraulic Actuator Parts List



Exploded View of Typical HYC-6000 & HYH Hydraulic Actuator

Assembly	Motor & Reservoir Assembly (1)	Armature (2)	Brush Set (3)	Frame & Field Assembly (4)	Comm.End Head Assembly (5)	Brush Spring Set (6)	Ground Lead Assembly (7)
HYC-6001[a] (63-283)	40-380[a] (ERH-4017S)	41-130[b] (ERH-2506B)	42-32 (ESQ-12S)	40-418[b] (ERH-2501CS)	40-242[b] (ERH-2202)	50-270 (EPG-18S)	26-335 (ERH-31)
HYC-6002S[a] (63-322)[d]	40-389[a] (ERH-4019S)	"	"	40-390[b] (ERH-2501E)	"	"	26-337 (ERH-31A)
HYC-6003S[a] (63-317)[e]	40-387[a] (ERH-4018S)	"	"	40-388[b] (ERH-2501D)	"	"	26-336 (ERH-31B)
HYC-6004S[a] (63-330)[f]	40-412[a] (ERH-4019AS)	"	"	40-390[b] (ERH-2501E)	"	"	26-335 (ERH-31)
HYC-6005S[a] (63-374)[h]	40-389[a] (ERH-4019S)	41-130[b] (ERH-2506B)	"	40-390[b] (ERH-2501E)	40-242[b] (ERH-2202)	"	26-337 (ERH-31A)
HYC-6101S[a] (63-366)[f] [g]	40-413[a] (ERH-4102S)	41-134[b] (ERH-2136)	"	40-415[b] (ERH-2131)	40-414[b] (ERH-2202B)	"	26-335 (ERH-31)
HYH-5001 (63-362)	40-407 (EVE-4001S-1)	41-135 (EVE-2406B)	"	40-454 (EVE-2001AS)	40-408 (ERH-2202A)	"	26-227 (ETH-31A)

[a] Conforms to SAE J1171 External Ignition Protection of Marine Electrical Devices.

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

[d] Following Parts used with but not part of this Actuator.
15-351(SAZ-4201AP)Solenoid Switch (Qty. of 2).
63-323(HYC-3064) Manifold Assembly.

[e] Following Parts used with but not part of this Actuator.
63-364(HYD-4008A)Hydraulic Cylinger(Starboard).
63-365(HYD-4008B)Hydraulic Cylinder(Port).
63-318(HYC-3063)Manifold Assembly.
15-400(SAZ-4201AHY)Solenoid Switch(See Note "a")

[f] 63-318(HYC-3063) Manifold Assy. used with but not part of this Actuator.

[g] 90-2685 Coupler & Shaft Pkg. also available.

[h] 63-376(HYC-3068) Manifold Assy. used with but not part of this Actuator.

HYC - 6000 & HYH SERIES

Assembly	Reservoir & Bracket Assembly (3)	Manifold Assembly (9)	Steel Ball (10)	Thru Bolt Package (11)	Thrust Washer Package (12)	Valve Body &Gear Case Assembly (13)	Seal Ring Package (14)	Screw & Parts Package (15)
HYC-6001[a] (63-283)	40-241[b][m] (ERH-1003)	63-284[k] (HYC-3057)	43-71 (X-1609)	43-355[b] (EMJ-20BS)	90-479	63-381 (HYC-2056-2)	63-82A (105330S)	90-793
HYC-6002S[a] (63-322)	"	63-323[j][k] (HYC-3064)	"	"	43-398 (EWD-45S)	63-404 (HYC-2056L)	"	"
HYC-6003S[a] (63-317)	"	63-318[j][k] (HYC-3063)	"	"	"	63-382 (HYC-2056-3)	"	"
HYC-6004S[a] (63-330)	"	"	"	"	"	63-406 (HYC-2056J-1)	"	"
HYC-6005S[a] (63-374)	"	63-376[j][k] (HYC-3069)	"	43-355[b] (EMJ-20BS)	"	63-405 (HYC-2056L-1)	"	"
HYC-6101S[a] (63-366)	40-459[b][m] (ERH-1123A)	63-318[j][k] (HYC-3063)	43-391 (X-4788)	43-400[b] (ERH-21S)	90-479	63-367 (HYC-2056K)	"	90-2736
HYH-5001 (63-362)	40-241[m] (ERH-1003)	[NA]	43-71 (X-1609)	43-355 (EMJ-20BS)	43-398 (EWD-45S)	63-363 (HYC-2056C-1)	"	90-793

[a] Conforms to SAE J1171 External Ignition of Marine Electrical Devices.
[b] These parts are essential to continuing External Ignition Protection. Use only Genuine Prestolite Service Parts for replacement. Do Not alter or substitute.
[j] 36-1028 (XA-744CS) O-Ring Pkg. also available for use with Manifold Attaching Screw.
[k] Used with but not part of this Actuator.
[m] Includes .75" O.D. Seal. (Also available in Package of 5Pcs. 43-401 (XA-14[5S]). Note: New Seal cannot be used to service early design units that have captured O-Rings.
[NA] Not available.

TEMPORARY PARTS LIST

prestolite

SERVICE PARTS LIST

ASSY. NO. HYC-6007 [a]

SALES NO.

HYDRAULIC ACTUATOR (HVY.DUTY)

ISSUED 10/7/86 Rev.2/18/87

Application BMW (Marine)

Service Part No.	No. Used	Part Description	Prestolite Sales No.
90-2685	1	COUPLER & SHAFT PKG.	90-2685
HYC-3068	1	MANIFOLD ASSY.	63-376
ERH-4106S [a]	1	MOTOR & RESERVOIR ASSY.	40-521
ERH-2136 [b]	1	ARMATURE ASSY.	41-134
104160	1	BALL, THRUST	43-391
ERH-2501E [b]	1	FRAME & FIELD ASSY.	40-390
ERH-2202BSS [b]	1	HEAD ASSY. COMM. END	40-414
EVF-1012BS	1	BRUSH SET	42-54
ERH-31A	1	LEAD ASSY., GROUND	26-337
ERH-1123BS[b]	1	RESERVOIR & BRACKET ASSY.	40-514
XA-1488S [b]	1	SEAL PKG. (5 PCS.)	43-401
90-2854	1	BEARING & RETAINER PKG.	90-2854
EPG-18S	1	SPRING SET, BRUSH	50-270
ERH-21BS [b]	1	THRU BOLT PKG.	43-413
90-479	1	THRUST WASHER & SPACER PKG.	90-479
	*	Spacer	
	*	Washer, Thrust, 1/64" Thick	
XA-744CS	1	"O" RING SEAL PKG. (4 PC.)	36-1028
90-2736	1	SCREW, "O" RING & WASHER PKG.	90-2736
HYC-2056LS	1	VALVE BODY & GEAR CASE ASSY.	63-458
105330S	1	SEAL RING PKG. (10 PC.)	63-82A

* Use as required.

[a] Conforms to SAE J1171 External Ignition protection of Marine Electrical Devices.

[b] These parts are essential to continuing External Ignition protection. Use only Genuine Prestolite Service parts for replacement. Do not alter or substitute.

Printed in U.S.A.

File in the
OE-92 PARTS BINDER

HYDRAULIC SECTION