

MS4 SERIES STARTER MOTORS

STARTER MOTOR PART No.	NOSE HOUSING [1] (See NOTE 1)	SPRING CLEANER [4]	DRIVE UNIT [5]	SHIFT HSG ASSY [7] (See NOTE 2)	ARMATURE ASSY [18]	COMM END HOUSING [23] (See NOTE 3)	NOTES
MS4-400	6519-6	6512-173	6519-2	6519-9	6519-13	6519-56	INSULATED
MS4-401	6519-6	6512-173	6519-2	6519-9	6519-13	6519-56	INSULATED
MS4-402	6519-6	6512-173	6519-2	6519-9	6519-13	6519-56	INSULATED
MS4-403	6519-6A	6512-173	6519-2	6519-9A	6519-13A	6519-56	INSULATED, MARINISED
MS4-404	6519-54	6512-173	6519-55	6519-9	6519-13	6519-56	INSULATED
MS4-405	6519-59	6512-173	6519-55	6519-9	6519-13	6519-56	INSULATED
MS4-406	6519-62	6512-173	6519-55	6519-9	6519-13	6519-56	INSULATED
MS4-407	6519-59	6512-173	6519-55	6519-9	6519-13	6519-56	INSULATED
MS4-408	6519-66	6512-173	6519-55	6519-9	6519-13	6519-56	INSULATED
MS4-500	6519-6A	-	6519-2	6519-9A	6519-13A	6519-56	INSULATED, MARINISED (SUPERSEDES MS4-403)

COMMON PARTS							
REF No.	PART No.	QTY	DESCRIPTION	REF No.	PART No.	QTY	DESCRIPTION
2	858637	4	SKT HD CAPSCREW	33	6211-782	1	RUBBER CAP
3	851016	1	THRUST WASHER	34	6211-675B	2	"O" RING
3A	851016	1	THRUST WASHER (MS4-500 only)	35	853683	2	PLAIN WASHER
8	852993	1	HEX NUT	36	853134	2	SPRING WASHER
9	853133	2	SPRING WASHER	37	852992	2	HEX NUT
10	858639	2	HEX BOLT	38	6211-660	2	SEALING RING
11	860098	1	SOLENOID	39	854386	1	SHAKEPROOF WASHER
12	858294	1	THRUST WASHER	40	6519-11	1	LEVER ARM ASSEMBLY
13	859286	1	PIVOT BOLT		6519-11A	1	LEVER ARM ASSY (MS4-403, MS4-500 only)
14	6519-21	1	FIELD RING ASSY (See NOTE 4)	41	6519-17	1	OILITE BEARING
16	859950	1	SPRING WASHER		6519-17A	1	OILITE BEARING (MS4-403, MS4-500 only)
17	859947	1	HEX NUT	42	850137	1	OIL SEAL
19	5936-163	2	SHIM	43	5335-973	2	SCREW
20	6211-896	1	BALANCE LEAD	44	859944	1	DRIVE THRUST WASHER
21	DEX 1522	2	STUD	45	6519-5	1	OILITE BEARING
22	6519-34	1	BRUSH PLATE ASSY (See NOTE 5)	46	859565	1	"O" RING
24	858432 / 7	1	-VE LEAD ASSEMBLY	47	5587-181A	2	BUSH
	6514-13	1	-VE LEAD ASSY (MS4-403, MS4-500 only)	48	6211-675P	2	"O" RING
25	5936-129D	1	INSULATOR	49	6211-548	4	BRUSH
26	5936-482B	2	PLAIN WASHER	50	6519-20	1	FIELD COIL ASSEMBLY
	859925	1	PLAIN WASHER (MS4-403, MS4-500 only)	51	6211-816	4	POLE PIECE
27	5001-26	2	SPRING WASHER	52	5333-190	4	POLE PIECE SCREW
	859924	2	SPRING WASHER (MS4-403, MS4-500 only)	53	6211-708	1	FIELD RING
28	NU11-7T1	2	HEX NUT	54	850180A	1	INSULATION
	859923	2	HEX NUT (MS4-403, MS4-500 only)	55	6211-662	1	SPIROL PIN
29	5936-129C	1	INSULATOR	56	6211-726	1	BUSH
30	5936-495L	1	PLAIN WASHER	57	859927	1	GASKET (MS4-500 only)
	853683	1	PLAIN WASHER (MS4-403, MS4-500 only)	58	5950-289B	1	HEAT SHRINK SLEEVE
31	5001-74	1	SPRING WASHER	59	6519-42	1	SLEEVE
	859950	1	SPRING WASHER (MS4-403, MS4-500 only)				
32	NU11-5T1	1	HEX NUT				
	859947	1	MS4-403, MS4-500 only				

NOTE 1 - Nose housing assembly is complete with item 45 (bearing) and item 46 (O-ring).

NOTE 2 - Shift housing assembly is complete with items 8, 13, 39, 40, 41, 42, 44.

NOTE 3 - Comm End housing assembly is complete with item 56 (bush)

NOTE 4 - Field ring assembly is complete with items 50, 51, 52, 53, 54, 55.

NOTE 5 - Brush plate assembly is complete with items 47, 48 & 49.

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