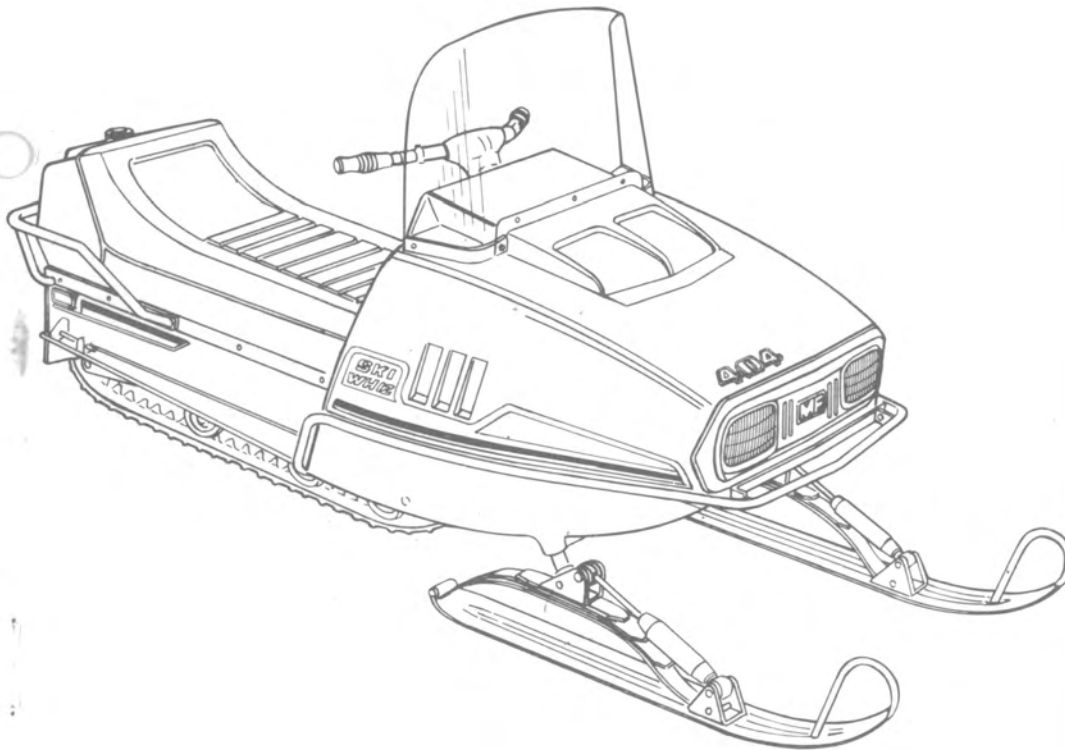


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PARTS BOOK

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Massey Ferguson

NORTH AMERICAN PARTS OPERATION

FORM NO. 651 339 M91

GENERAL INFORMATION

THIS BOOK IS PRINTED IN TWO SECTIONS. THE FIRST SECTION CONTAINS A PICTORIAL AND A GROUP INDEX PLUS A NUMERICAL INDEX OF ALL PART NUMBERS INCLUDED IN THIS BOOK. THE PAGES IN THIS SECTION ARE NUMBERED WITH ROMAN NUMERALS.

THE SECOND SECTION INCLUDES A PART NUMBER LISTING REFERENCED TO ITEM NUMBERS ON THE ILLUSTRATED PAGE DIRECTLY OPPOSITE. PAGES IN THIS SECTION ARE NUMBERED WITH ARABIC NUMERALS.

THE PAGE NUMBERS APPEAR IN THE UPPER OUTER CORNER OF THE PAGE. PARTS BOOK NUMBER AND DATE APPEAR IN THE LOWER RIGHT HAND CORNER OF THE PAGE. THE PART NUMBER LISTING PAGE WILL ALSO CARRY THE MACHINE NAME TO ASSIST IN IDENTIFYING THE MACHINE TO WHICH THE PARTS BOOK APPLIES.

WHEN CHANGES TO THE MACHINE MAKE IT NECESSARY, REVISED PAGES FOR THIS BOOK WILL BE ISSUED. THE REVISED PAGES WILL BE ISSUED WITH THE SAME PAGE NUMBER AS THOSE THEY REPLACE AND THE "ISSUE" NUMBER AND DATE WILL BE ADVANCED. NEW PAGES WILL CARRY AN EXISTING PAGE NUMBER WITH AN ALPHABETICAL SUFFIX.

FROM TIME TO TIME CHANGE INFORMATION WILL BE ISSUED IN THE FORM OF A "PARTS RELEASE AND CHANGE BULLETIN". INFORMATION FROM THESE BULLETINS SHOULD BE ENTERED IN THE PROPER PAGES AS SOON AS THE BULLETINS ARE RECEIVED.

WHENEVER A PAGE OF THIS BOOK IS RE-ISSUED, THE CURRENT PAGE LISTING WILL ALSO BE RE-ISSUED. THIS LISTING WILL SHOW THE ISSUE NUMBER AND DATE OF ISSUE OF EACH PAGE AS A CHECK SHEET COVERING THE ENTIRE BOOK.

IT IS IMPERATIVE THAT REVISED PARTS BOOK PAGES BE INSERTED INTO THEIR RESPECTIVE PARTS BOOKS AS SOON AS RECEIVED. FAILURE TO DO SO WILL LEAD TO CONFUSION AND DEFEAT THE PURPOSE OF THE BOOK.

INDENTED PARTS IN THE DESCRIPTIVE LIST ARE A PART OF THE PRECEDING ASSEMBLY OF SUB-ASSEMBLY.

THE QUANTITY SHOWN IN THE "NUMBER REQUIRED" COLUMN IS THE NUMBER OF PARTS USED ON A MACHINE EXCEPT WHERE PARTS ARE INDENTED IN DESCRIPTIVE LIST. IN THIS CASE THE QUANTITY SHOWN IS THE NUMBER REQUIRED FOR THE PRECEDING ASSEMBLY OR SUB-ASSEMBLY.

FOR CERTAIN PARTS SUCH AS BOLTS, NUTS, WASHERS, SHIMS, ETC. AN "X" WILL BE SHOWN IN THE "NUMBER REQUIRED" COLUMN. THIS "X" INDICATES THAT THE QUANTITY TO BE USED IS "AS REQUIRED".

ALWAYS CHECK ILLUSTRATION AND NUMBER LISTING PAGE BEFORE ORDERING. NEVER ORDER FROM ILLUSTRATION ALONE.

FOREWORD



Massey Ferguson TRACTORS, COMBINES,
BALERS AND IMPLEMENTS ARE DESIGNED AND BUILT
FOR MAXIMUM PERFORMANCE AND LONG LIFE. ALL
SERVICE PARTS ARE MANUFACTURED WITH THE SAME
CARE AND PRECISION EXERCISED IN PRODUCTION.

STOCK AND SELL ONLY Massey Ferguson PARTS

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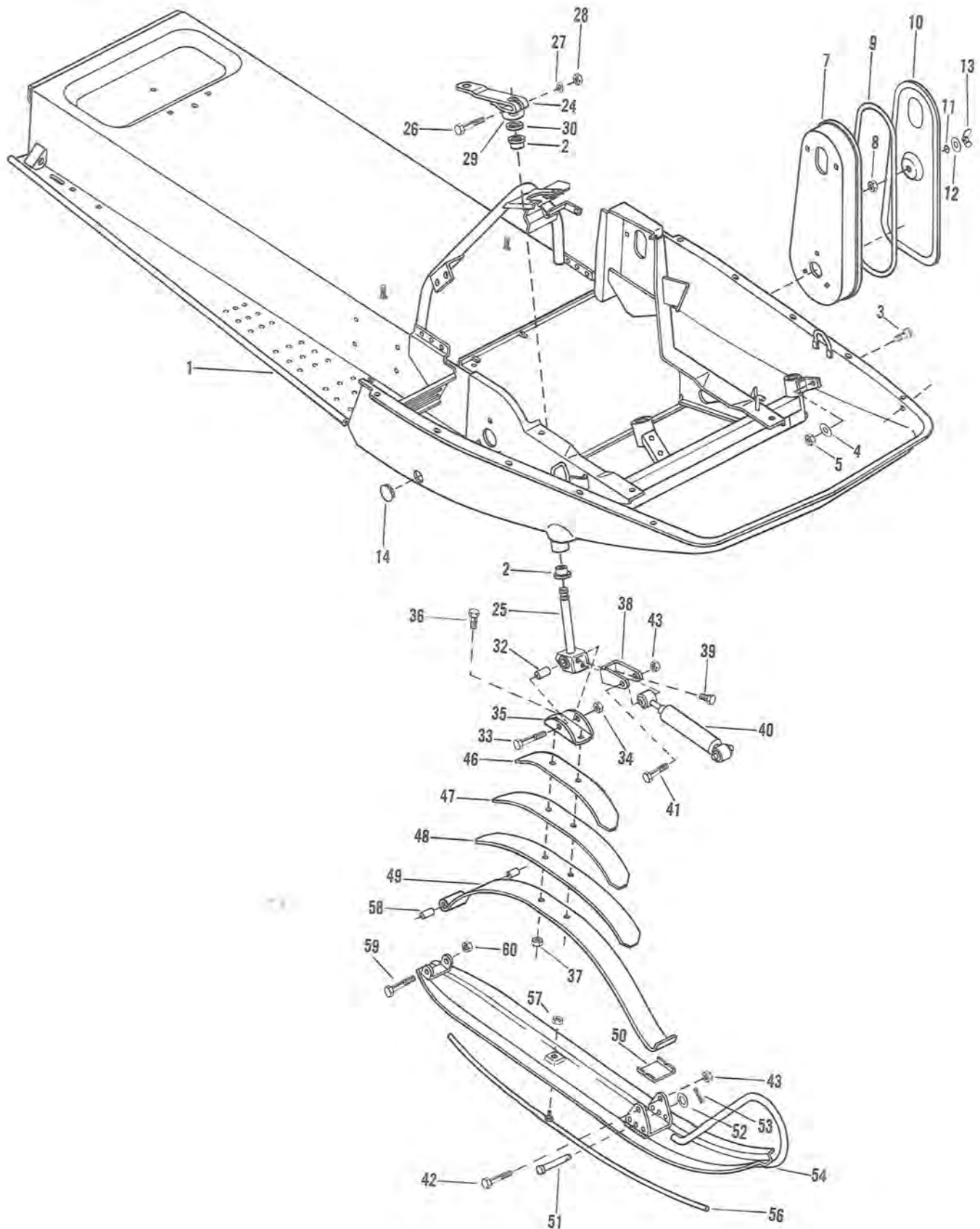
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1 035344 M91	16	1 043430 M1	43
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1 037042 M1	43	1 043432 M1	43
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1 037434 M1	52	1 043437 M1	43
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1 037449 M1	43	1 043442 M91	44
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1 038267 M1	44	1 043444 M1	44
1 038268 M1	44	1 043445 M1	44
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1 038564 M1	43	1 043450 M1	44
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1 039283 M1	43	1 044721 M91	55
1 039345 M91	19	1 440998 X1	43
1 039394 M1	44	1 441555 X1	43
1 039395 M1	43	1 441717 X1	43
1 040808 M1	4	1 441967 X1	16
1 040821 M1	19	1 442058 X1	43
1 040823 M91	19		
1 040844 M1	43		
1 040845 M1	44		
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1 041980 M1	55		
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1 041983 M91	55		
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FRAME AND SKIS

3

(1 AND 2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.	
			15 1/2" Track	18" Track
1	533 113 M91	Frame Assembly (MF 304).....	1	-
1	533 091 M91	Frame Assembly (MF 304T, 344T, 404T and 444T).....	1	-
1	533 092 M92	Frame Assembly (MF 404WT and 444WT).....	-	1
2	834 568 M1	Bushing.....	4	4
3	364 943 X1	Bolt (1/4 x 3/4" NC, Carr.).....	2	2
4	355 617 X1	Washer (1/4" Large Flat).....	2	2
5	367 480 X1	Nut (1/4" NC, Hex., Lock).....	2	2
7	529 115 M91	Case Assembly.....	1	1
8	358 657 X1	Nut (5/16" NC, Hex., Lock).....	1	1
9	529 111 M2	Molding.....	1	1
10	529 113 M1	Cover.....	1	1
11	523 077 M1	Washer.....	1	1
12	523 078 M1	Washer.....	1	1
13	355 593 X1	Nut (5/16" NC, Wing).....	1	1
14	359 391 X1	Plug.....	3	3
24	532 381 M2	Arm Assembly.....	2	2
25 (A)	532 458 M3	Spindle.....	2	2
25 (B)	532 458 M2	Spindle.....	2	2
26	354 264 X1	Bolt (3/8 x 1-3/4" NC, Hex.).....	2	2
27	353 756 X1	Washer (3/8" Flat).....	2	2
28	367 482 X1	Nut (3/8" NC, Hex., Lock).....	2	2
29	368 903 X1	Washer (13/16 x 1-5/16 x 1/32").....	2	2
30	532 385 M1	Spacer (Rubber).....	2	2
32	532 813 M1	Spacer.....	2	2
33	368 942 X1	Bolt (3/8 x 2-1/2" NF, Hex.).....	2	2
34	367 744 X1	Nut (3/8" NF, Hex., Lock).....	2	2
35	532 382 M1	Saddle.....	2	2
36	367 046 X1	Bolt (3/8 x 1-1/4" NF, Carr.).....	4	4
37	367 744 X1	Nut (3/8" NF, Hex., Lock).....	4	4
38 (C)	532 380 M1	Bracket.....	2	2
39 (C)	368 904 X1	Bolt (5/16 x 5/8" NC, Hex.).....	4	4
40 (D)	532 792 M91	Shock Assembly (Black).....	2	2
40 (E)	533 171 M91	Shock Assembly (Chrome).....	2	2
41 (C)	353 708 X1	Bolt (7/16 x 2-1/4" NC, Hex.).....	2	2
42 (C)	353 714 X1	Bolt (7/16 x 3" NC, Hex.).....	2	2
43 (C)	367 483 X1	Nut (7/16" NC, Hex., Lock).....	4	4
46	523 137 M1	Leaf.....	2	2
47	523 136 M1	Leaf (2 Cylinder Engine only).....	2	2
48	523 135 M1	Leaf.....	2	2
49	523 134 M1	Leaf.....	2	2
50	519 499 M2	Plate.....	2	2
51	195 608 M1	Pin (3/8" Clevis).....	2	2
52	353 756 X1	Washer.....	2	2
53	354 057 X1	Cotter Pin (1/8 x 3/4").....	2	2
54	530 019 M92	Ski Assembly (Black).....	2	2
54 (E)	533 115 M91	Ski Assembly (Chrome).....	2	2
56	529 981 M91	Bar Assembly.....	2	2
57	368 834 X1	Nut (5/16" NC, Hex., Lock).....	2	2
58	366 542 X1	Spacer (3/8 x 5/8 x 1-7/64").....	2	2
59	354 271 X1	Bolt (3/8 x 2-3/4" NC, Hex.).....	2	2
60	358 658 X1	Nut (3/8" NC, Hex., Lock).....	2	2

Notes: (A) - Used 304 Machine Serial Number 2044 010 701 and up.
 Used 344ST Machine Serial Number 2044 061 001 and up.
 Used 404ST Machine Serial Number 2044 110 681 and up.
 Used 444ST Machine Serial Number 2044 211 001 and up.
 Used 444WT Machine Serial Number 2044 260 571 and up.
 (B) - Used prior to 304 Machine Serial Number 2044 010 701.
 Used prior to 344ST Machine Serial Number 2044 061 001.
 Used prior to 404ST Machine Serial Number 2044 110 681.
 Used prior to 444ST Machine Serial Number 2044 211 001.
 Used prior to 444WT Machine Serial Number 2044 260 571.
 (C) - Used on 404T, 444T, 404WT and 444WT.
 (D) - Used on 404T, and 404WT.
 (E) - Used on 444T and 444WT.

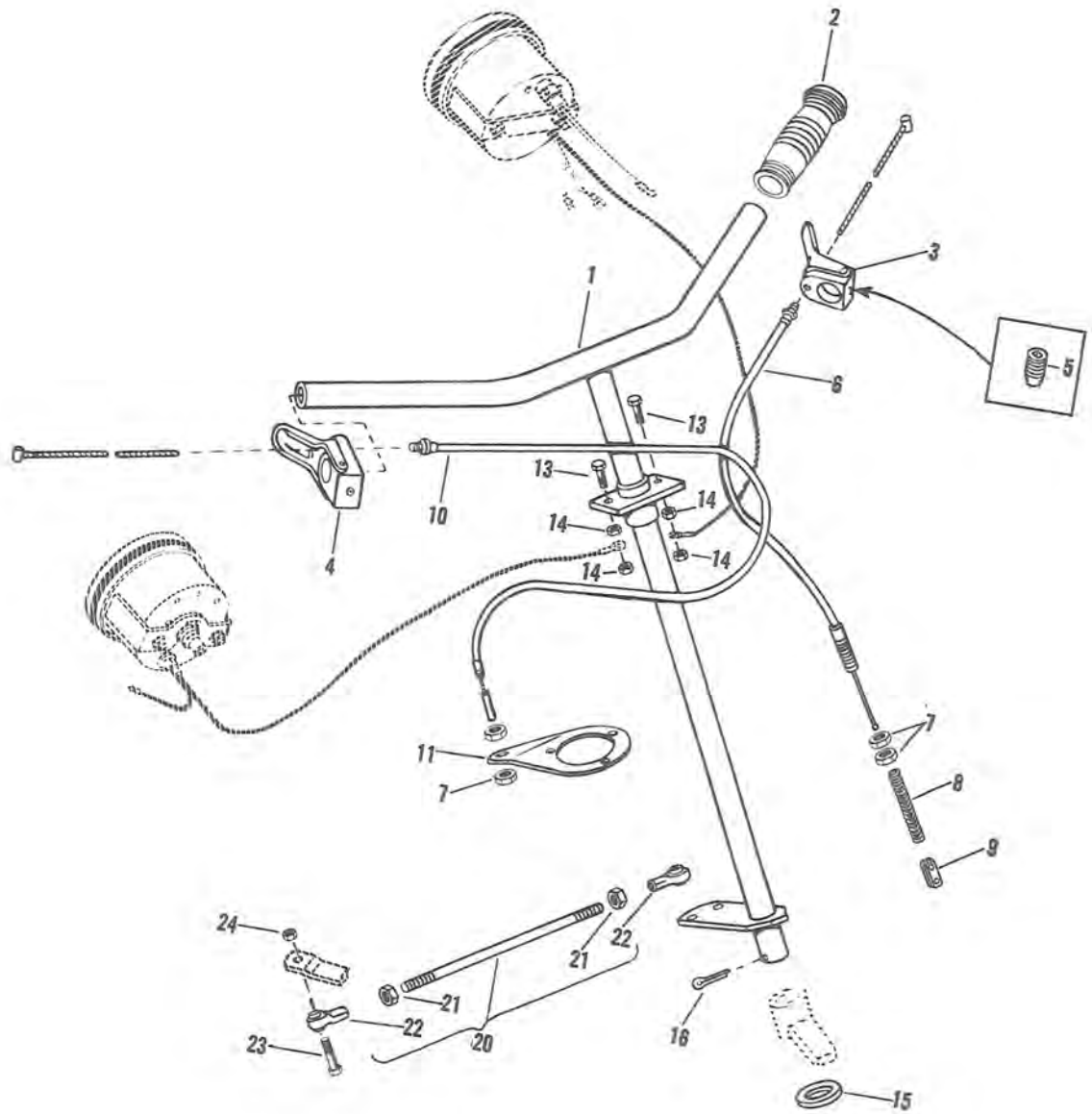
STEERING AND CONTROLS

(1 AND 2 CYLINDER ENGINE)

<u>Ref.</u> <u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No.</u> <u>Req.</u>
1	519 484 M91	Post Assembly.....	1
2	519 903 M1	Grip.....	2
3	529 586 M92	Handle Assembly (Incl. item 5).....	1
4 (A)	519 481 M96	Handle Assembly.....	1
5 (B)	519 481 M95	Handle Assembly.....	1
6	354 126 X1	Screw (1/4 x 3/8" NC, Hex., Sckt. Set).....	1
7	532 456 M91	Cable Assembly.....	1
8	353 917 X1	Nut (5/16" NF, Half Hex.).....	4
9	533 020 M1	Spring.....	1
10	533 021 M1	Clevis.....	1
11	523 289 M91	Cable Assembly (1 Cylinder Engine).....	1
11	532 811 M91	Cable Assembly (2 Cylinder Engine).....	1
12	529 571 M1	Bracket (1 Cylinder Engine).....	1
13	369 077 X1	Bolt (1/4" NC x 1" Flange Lock).....	2
14	357 553 X1	Nut (1/4" NC, Hex., Lock).....	4
15	366 535 X1	Washer (1-1/64 x 1-1/4 x 1/16").....	1
16	354 063 X1	Cotter Pin (1/8 x 1-1/2").....	1
20	526 347 M91	Rod Assembly.....	2
21	353 430 X1	Nut (3/8" NC, Half Hex.).....	2
22	1 040 808 M1	End.....	2
23	354 262 X1	Bolt (3/8 x 1-1/2" NC, Hex.).....	4
24	358 658 X1	Nut (3/8" NC, Hex., Lock).....	4

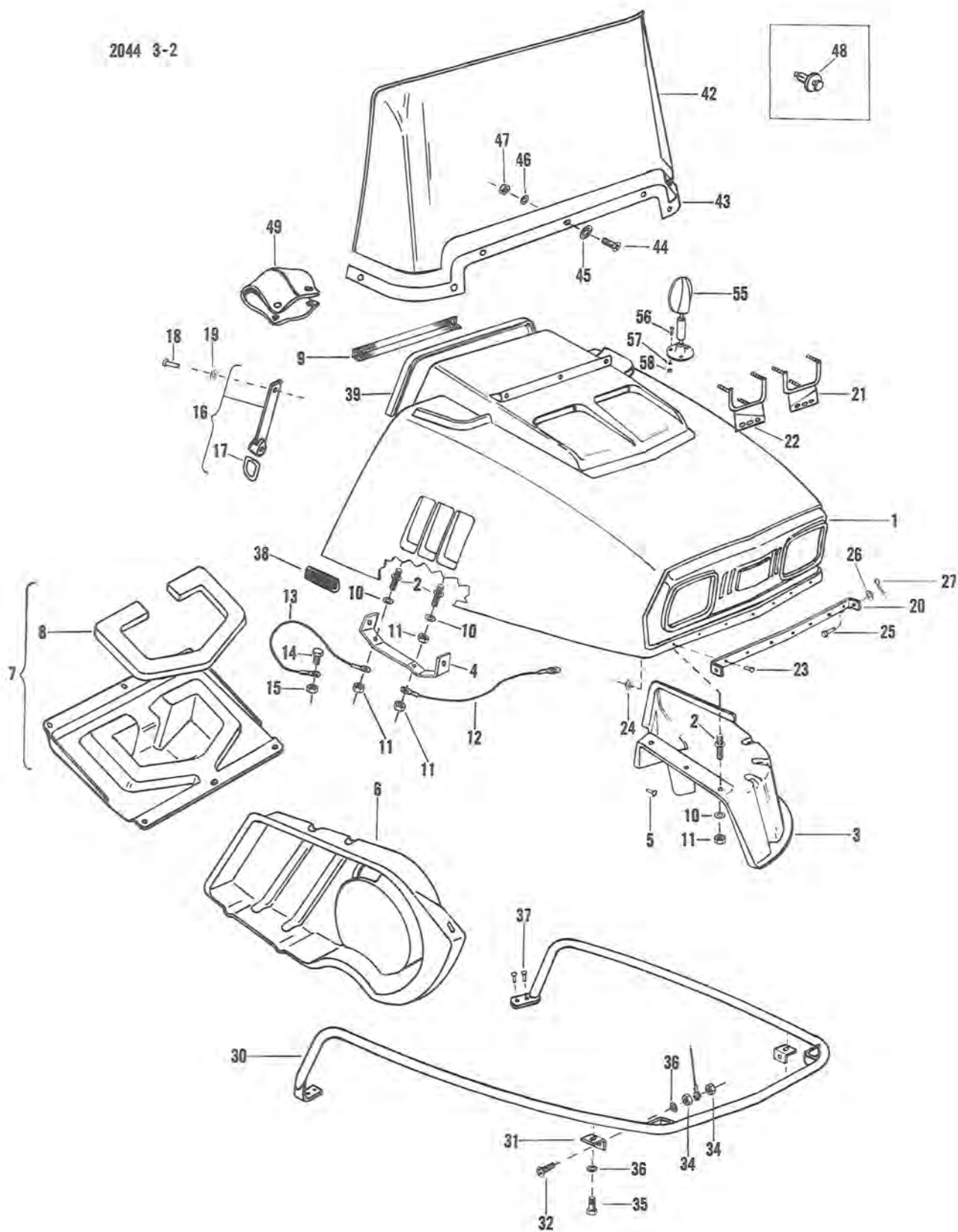
Notes: (A) - Used 304 Machine Serial Number 2044 010 701 and up.
 Used 344ST Machine Serial Number 2044 061 001 and up.
 Used 404ST Machine Serial Number 2044 110 681 and up.
 Used 444ST Machine Serial Number 2044 211 001 and up.
 Used 444WT Machine Serial Number 2044 210 571 and up.
 (B) - Used prior to 304 Machine Serial Number 2044 010 701.
 Used prior to 344ST Machine Serial Number 2044 061 001.
 Used prior to 404ST Machine Serial Number 2044 110 681.
 Used prior to 444ST Machine Serial Number 2044 211 001.
 Used prior to 444WT Machine Serial Number 2044 260 571.

STEERING AND CONTROLS



HOOD, AIR DUCTS, FRONT BUMPER AND WINDSHIELD

2044 3-2



HOOD, AIR DUCTS, FRONT BUMPER AND WINDSHIELD

7

(1 AND 2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. 15-1/2" Track	Req. 18" Track
1	529 038 M6	Hood.....	1	1
2	1 042 944 M1	Stud.....	14	14
3	529 902 M2	Duct.....	1	1
4	530 000 M1	Bracket.....	1	1
5	519 565 M1	Rivet.....	2	2
6	529 754 M1	Louver (2 Cylinder Engine).....	1	1
7	530 118 M92	Intake Assembly.....	1	-
8 (A)		Pad (3/4 x 1/4 x 24").....	1	-
9	530 053 M2	Screen.....	1	1
10	366 622 X1	Washer (13/64 x 1/2 x 1/16").....	x	x
11	368 654 X1	Nut (#10 NC, Lock).....	x	x
12 (B)	530 373 M1	Cable.....	1	-
13 (C)	530 071 M1	Cable.....	1	1
14 (B)	353 970 X1	Bolt (1/4 x 1/2" NC, Truss Hd.).....	1	-
15 (B)	357 553 X1	Nut (1/4" NC, Hex., Lock).....	1	-
16	519 963 M91	Retainer Assembly.....	2	2
17	521 730 M1	"D" Ring.....	1	1
18	527 924 M1	Rivet.....	2	2
19	366 622 X1	Washer (#10 Flat).....	2	2
20	532 592 M1	Hinge.....	1	1
21	532 593 M91	Bracket.....	1	1
22	532 594 M91	Bracket.....	1	1
23	532 587 M1	Rivet.....	8	8
24	368 923 X1	Washer (1/4 x 5/8 x 1/32").....	8	8
25	195 240 M1	Pin (5/16 x 5/8" Clevis).....	2	2
26	353 755 X1	Washer (5/16" Flat).....	2	2
27	195 416 M1	Pin, Hair.....	2	2
30	529 169 M91	Bumper.....	1	1
31	530 240 M1	Bracket.....	2	2
32	353 972 X1	Screw (1/4 x 3/4" NC, Truss Hd., Sltd.).....	2	2
34	367 480 X1	Nut (1/4" NC, Hex., Lock).....	3	3
35	353 667 X1	Bolt (1/4 x 3/4" NC, Hex.).....	10	10
36	353 754 X1	Washer (1/4" Flat).....	10	10
37	519 565 M1	Rivet.....	4	4
38	533 281 M1	Trim.....	2	2
39	533 280 M1	Trim (Used MF 404T, 444T, 404WT and 444WT).....	1	1
42	532 515 M1	Windshield.....	1	1
43	530 069 M2	Strap.....	1	1
44 (D)	366 835 X1	Screw (#10 - 24 x 5/8" Phillips Hd.).....	7	7
45 (D)	519 552 M1	Washer (#10 Ctsk.).....	7	7
46 (D)	353 753 X1	Washer (#10 Flat).....	7	7
47 (D)	364 869 X1	Nut (#10 - 24 Lock).....	7	7
48 (E)	368 695 X1	Fastener.....	7	7
49	523 383 M91	Pad Assembly.....	-	1
55 (F)		Mirror Assembly (Order 10 099 A91).....	1	1
56 (F)	353 977 X1	Screw (#8 - 1/2" NC, Pan Hd.).....	3	3
57 (F)	353 752 X1	Washer (#8 Small Flat).....	3	3
58 (F)	354 119 X1	Nut (#8 NC, Hex.).....	3	3

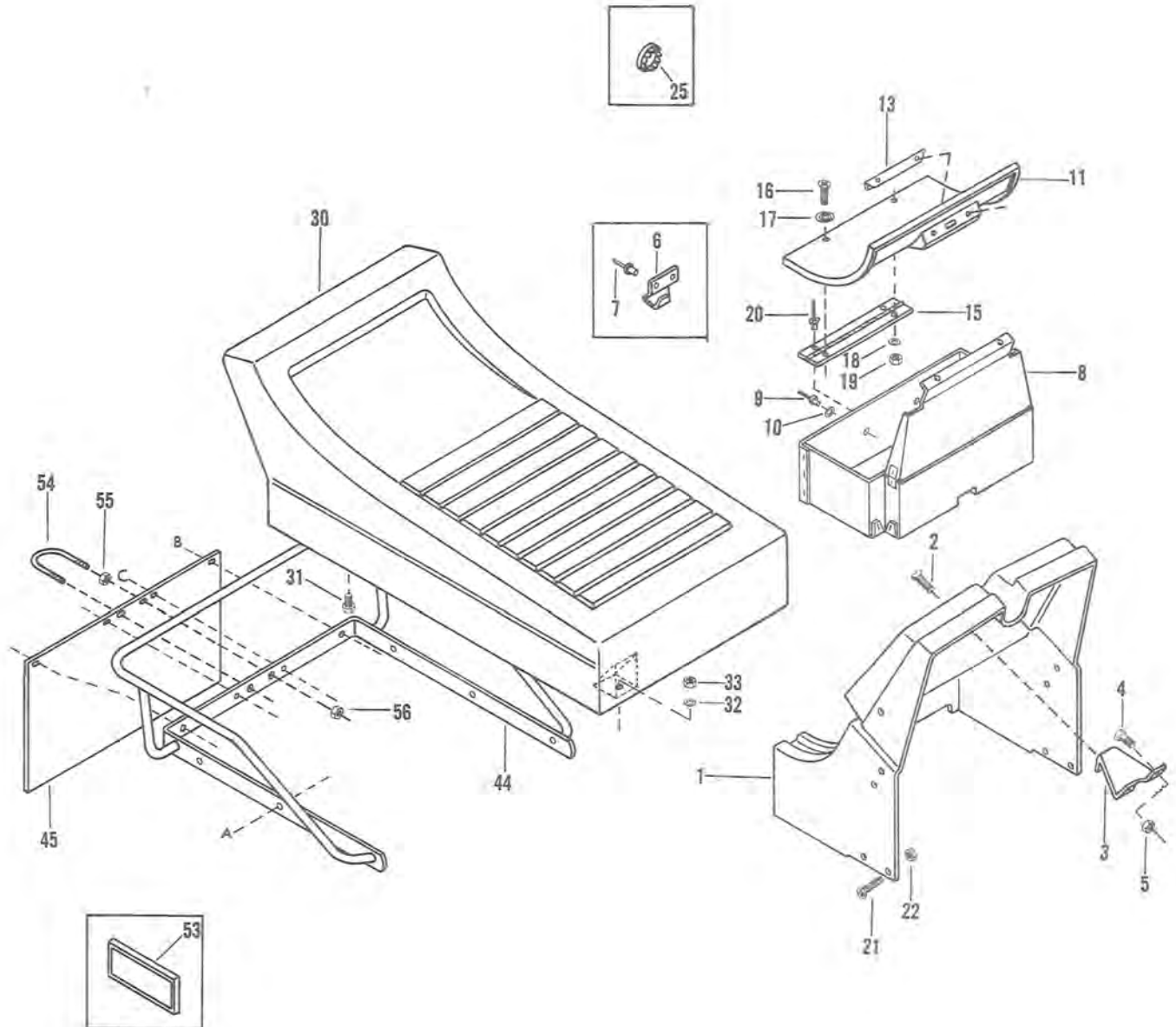
Notes: (A) - Order (1) 525 466 M1 Pad (3/4 x 1/4 x 27").
 (B) - Used on MF 304.
 (C) - Used on MF 304T, 344T, 404T, 444T, 404WT and 444WT.
 (D) - Used Late Production Machines.
 (E) - Used Early Production Machines.
 (F) - Used on MF 404T, 444T, 404WT and 444WT.

INSTRUMENT PANEL, CUSHION AND REAR BUMPER

(1 AND 2 CYLINDER ENGINE)

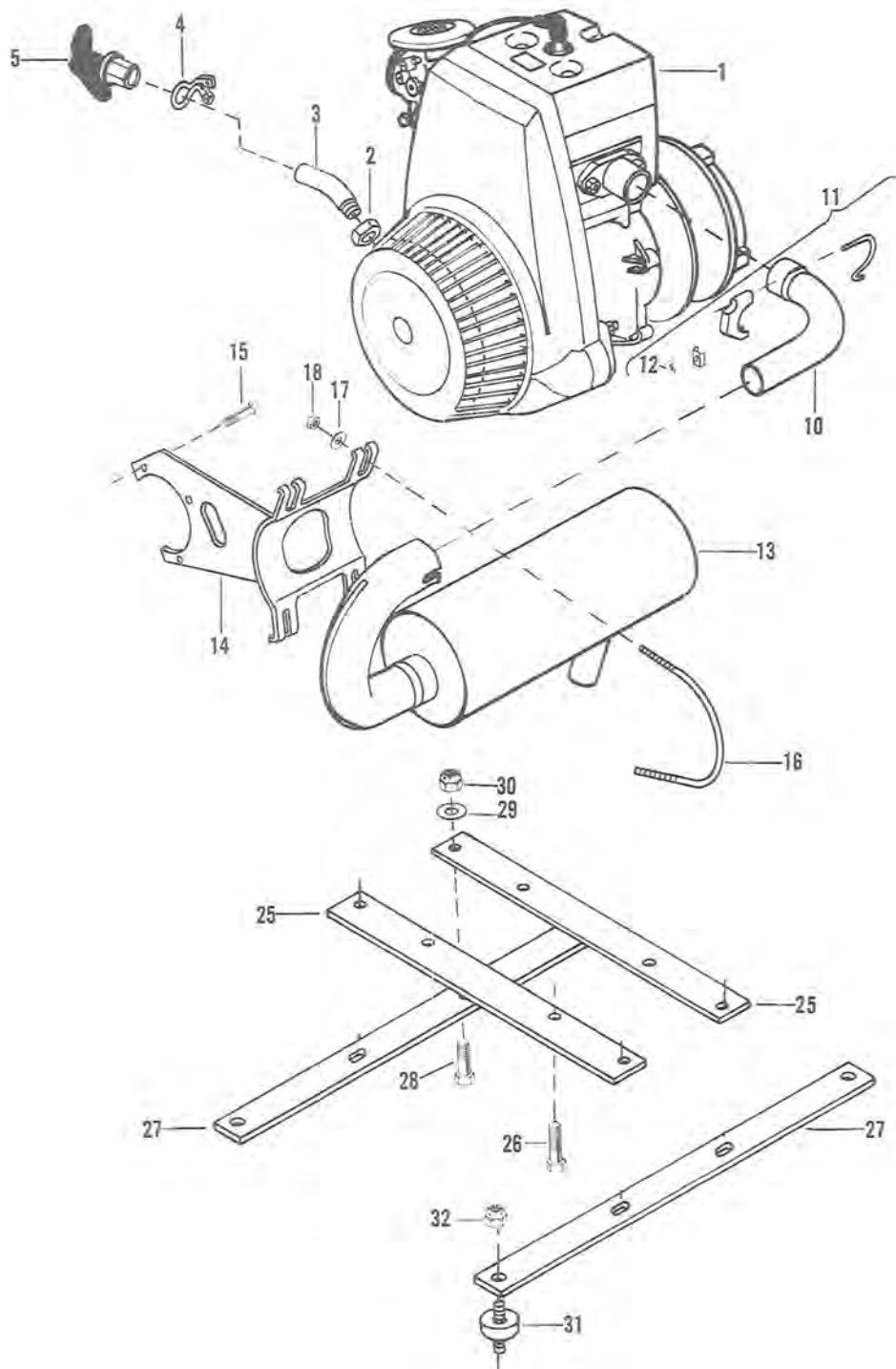
Ref. No.	Part No.	Description	No. Req.	
			15-1/2" Track	18" Track
1	532 864 M2	Panel.....	1	1
2	363 457 X1	Screw (1/4 x 3/4" Machine).....	1	1
3	532 809 M91	Brace Assembly.....	1	1
4	369 077 X1	Bolt (1/4 x 1" NC, Flange Lock).....	2	2
5	357 553 X1	Nut (1/4" NC, Hex. Lock).....	2	2
6	529 862 M1	Latch.....	1	1
7	368 180 X1	Rivet (1/8" Blind).....	4	4
8	531 885 M1	Box.....	1	1
9	519 563 M1	Rivet (3/16" Blind).....	4	4
10	366 622 X1	Washer (13/64 x 1/2 x 1/16").....	4	4
11	529 863 M2	Door.....	1	1
13	529 861 M2	Handle.....	1	1
15	523 210 M91	Hinge Assembly.....	1	1
16	366 835 X1	Screw (#10 x 5/8" NC, Phillips Hd.).....	2	2
17	519 552 M1	Washer (#10 Countersunk).....	2	2
18	366 622 X1	Washer (13/64 x 1/2 x 1/16").....	2	2
19	368 654 X1	Nut (#10 NC, Lock).....	2	2
20	519 563 M1	Rivet (3/16" Blind).....	2	2
21	363 457 X1	Screw (1/4 x 3/4" NC, Phillips Hd.).....	7	7
22	357 553 X1	Nut (1/4" Lock).....	7	7
25	359 382 X1	Plug (304 only).....	1	-
30	533 111 M1	Seat Assembly.....	1	-
30	533 112 M1	Seat Assembly.....	-	1
31	365 026 X1	Screw (1/4 x 3/4" NC, Hex. Washer Hd.).....	2	2
32	353 755 X1	Washer (5/16" Flat).....	2	2
33	368 834 X1	Nut (5/16" NC, Hex. Lock).....	2	2
44	533 118 M91	Bumper Assembly.....	1	-
44	533 119 M91	Bumper Assembly.....	-	1
45	533 131 M1	Flap (304T, 344T, 404T, and 444T).....	-	1
45	533 132 M1	Flap (404WT and 444WT).....	-	1
46	353 666 X1	Bolt (1/4 x 5/8" NC, Hex.).....	6	6
47	353 754 X1	Washer (1/4" Flat).....	6	6
48	357 553 X1	Nut (1/4" NC, Hex. Lock).....	6	6
49	353 668 X1	Bolt (1/4" x 7/8" NC, Hex.).....	4	4
50	898 245 M1	Spacer (MF 304 only).....	4	-
51	363 332 X1	Washer (9/32 x 1-1/8 x 1/16").....	2	2
53	526 465 M1	Reflector.....	2	2
54	368 632 X1	"U" Bolt.....	2	2
55	366 857 X1	Nut (3/8" NC, Chrome).....	2	2
56	355 566 X1	Nut (3/8" NC, Hex.).....	2	2

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A	B	B	C	C
46	49	49	49	49
47	51	50	50	50
48	51	51		

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ENGINE, EXHAUST AND MOUNTS

(1 CYLINDER ENGINE)

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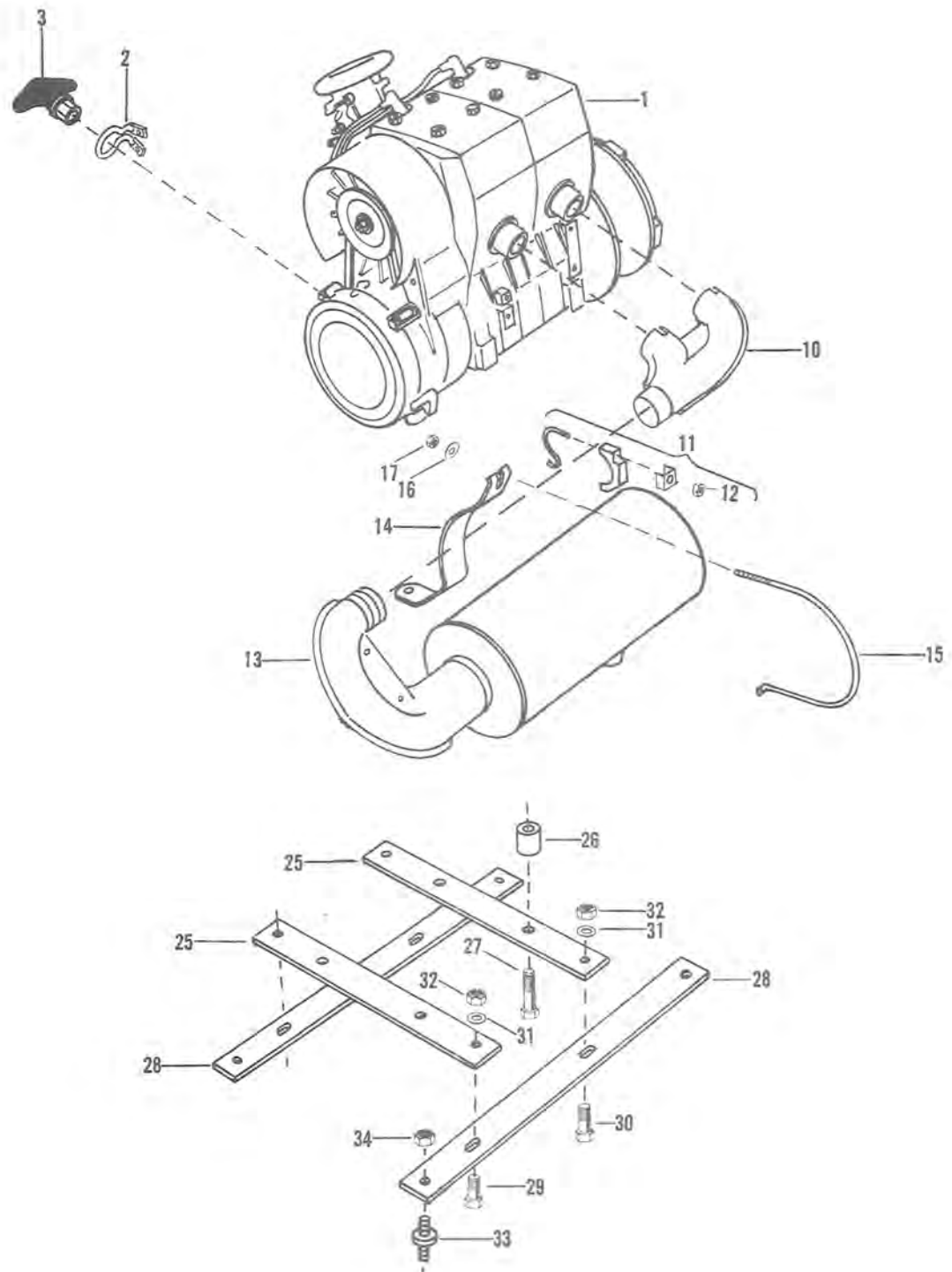
Ref. No.	Part No.	Description	No. Req.
1		Engine Assembly(See Pages 27 thru 36).....	1
2	339 592 X1	Nut (20MM x 1.5 Hex.).....	1
3	532 872 M1	Tube.....	1
4	533 270 M1	Brace.....	1
5		Handle Assembly (See Page 32).....	1
10	529 796 M1	Tube.....	1
11	523 101 M91	Clamp Assembly.....	2
12	355 565 X1	Nut (5/16" NC, Hex.).....	1
13	529 794 M91	Muffler Assembly.....	1
14	533 050 M91	Bracket Assembly.....	1
15	522 135 M1	Bolt (10MM x 1.5MM Hex.).....	3
16	533 047 M1	Clamp.....	1
17	353 755 X1	Washer (5/16" Flat).....	4
18	367 481 X1	Nut (5/16" NC, Lock).....	4
25	533 022 M1	Support.....	2
26	367 872 X1	Bolt (7/16 x 1-1/8" NC, Hex. Lock).....	4
27	531 855 M1	Support.....	2
28	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	4
29	353 755 X1	Washer (5/16" Flat).....	4
30	367 481 X1	Nut (5/16" NC, Hex. Lock).....	4
31	520 518 M2	Dampener.....	1
32	367 481 X1	Nut (5/16" NC, Hex. Lock).....	4

ENGINE, EXHAUST AND MOUNTS

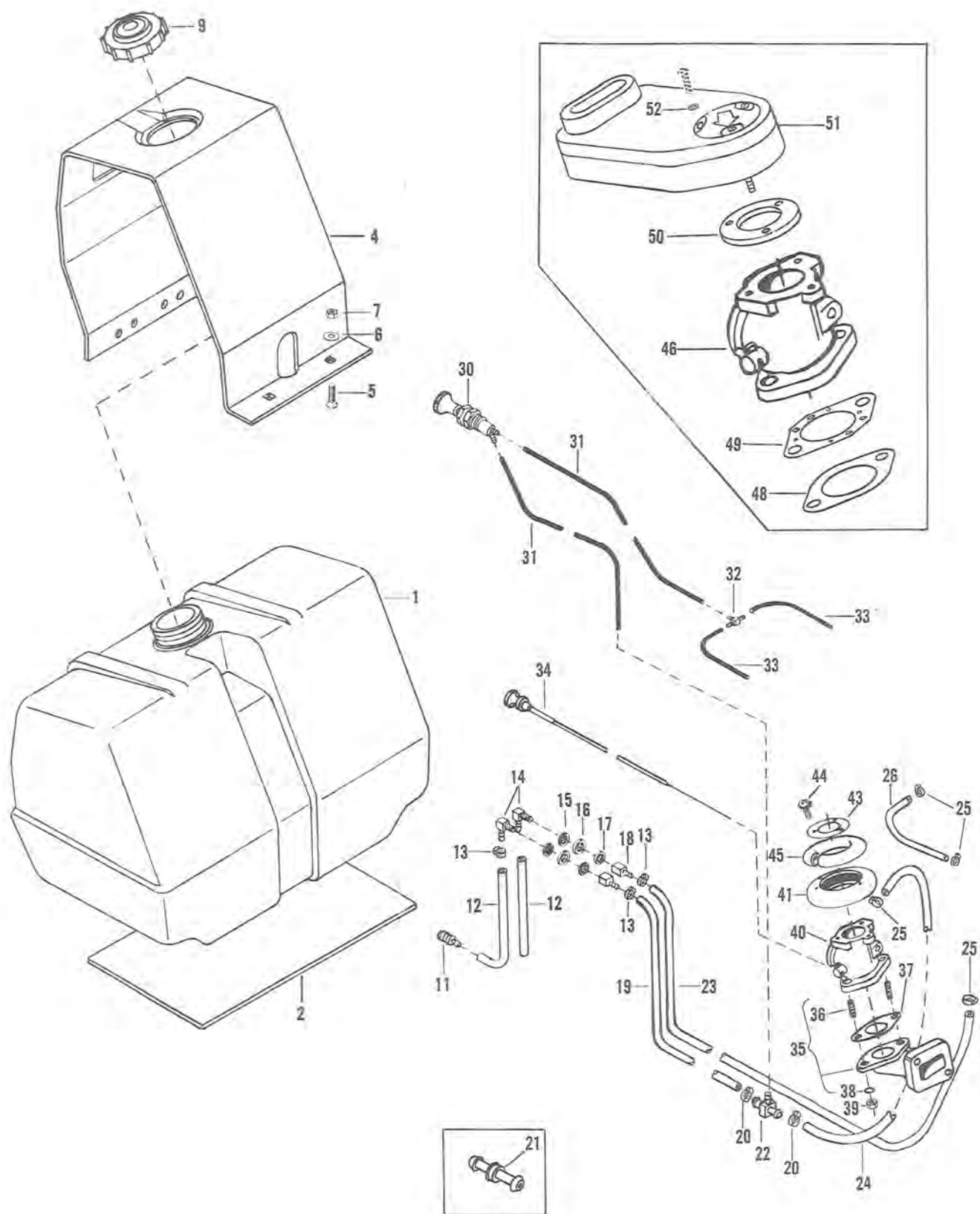
(2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.
1		Engine Assembly (See Page 39 thru 51).....	1
2	533 269 M1	Brace Assembly.....	1
3		Handle Assembly (See Page 44).....	1
10	523 301 M91	Manifold.....	1
11	523 101 M91	Clamp Assembly.....	3
12	355 565 X1	Nut (5/16" NC, Hex.).....	1
13	529 887 M91	Muffler Assembly.....	1
14	532 264 M2	Strap.....	1
15	532 263 M2	Clamp.....	1
16	353 755 X1	Washer (5/16" Flat).....	1
17	367 481 X1	Nut (5/16" NC, Hex, Lock).....	1
25	533 023 M1	Support.....	2
26	368 962 X1	Spacer.....	4
27	365 805 X1	Bolt (7/16 x 2" NC, Hex, Lock).....	4
28	533 556 M1	Support.....	1
29	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	3
30	353 681 X1	Bolt (5/16 x 1-1/4" NC, Hex.).....	1
31	353 755 X1	Washer (5/16" Flat).....	4
32	367 481 X1	Nut (5/16" NC, Hex, Lock).....	4
33	520 518 M2	Dampener.....	4
34	367 481 X1	Nut (5/16" NC, Hex, Lock).....	4

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FUEL TANK, LINES AND CARBURETOR

15

(1 AND 2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No.	
			1 Cyl. Eng.	2 Cyl. Eng.
1	529 685 M2.	Tank.....	1	1
2	521 795 M1	Pad.....	1	1
4	529 746 M92	Strap Assembly.....	1	1
5	360 501 X1	Bolt (5/16 x 3/4" NC, Carr.).....	2	2
6	353 755 X1	Washer (5/16" Flat).....	2	2
7	368 834 X1	Nut (5/16" NC, Lock).....	2	2
9	522 067 M1	Cap.....	1	1
11	530 050 M92	Filter Assembly.....	1	1
12	521 793 M1	Line.....	2	2
13	519 731 M1	Clamp.....	3	3
14	521 888 M1	Fitting.....	2	2
15	521 886 M1	Washer.....	2	2
16	521 885 M1	Washer (Rubber).....	2	2
17	353 755 X1	Washer (5/16" Flat).....	2	2
18	521 887 M1	Fitting.....	2	2
19	522 945 M1	Line.....	1	1
20	519 731 M1	Clamp.....	2	2
21	530 063 M1	Connector.....	1	-
22	530 052 M1	Tee.....	-	1
23	523 307 M1	Line.....	1	1
24	530 068 M1	Line.....	1	1
25	519 731 M1	Clamp.....	4	4
26	532 487 M1	Line.....	1	1
30	530 064 M92	Primer Assembly.....	-	1
31	530 067 M3	Line.....	-	2
32	530 051 M1	Tee.....	-	1
33	519 736 M3	Line.....	-	2
34	532 618 M91	Choke Cable Assembly.....	1	1
35	529 755 M91	Intake Manifold.....	1	-
36	842 695 M1	Stud.....	2	-
37	1 037 531 M1	Gasket.....	1	-
38	22 756 X	Washer (5/16" Int. Tooth Lock).....	2	-
39	353 917 X1	Nut (5/16" NF, Half Hex.).....	2	-
40		Carburetor (See Page 35).....	1	-
41	530 004 M2	Boot.....	1	-
43	521 154 M1	Clamp.....	1	-
44	350 124 X1	Screw w/Lockwasher (1/4 x 5/8" NC, Sltd.).....	1	-
45	532 843 M1	Support.....	1	-
46		Carburetor (See Pages 47 and 48).....	-	1
48 (A)	532 661 M1	Block.....	-	1
49 (A)	1 042 275 M1	Gasket.....	-	2
49 (B)	1 042 275 M1	Gasket.....	-	1
50 (A)	532 866 M1	Spacer.....	-	1
51 (A)	532 919 M91	Silencer Assembly.....	-	1
51 (B)	532 834 M91	Silencer Assembly.....	-	1
52	353 754 X1	Washer (1/4" Flat).....	1	1

Notes: (A) - Used MF 304T and 344T only.

(B) - Used MF 404T, 444T, 404WT and 444WT only.

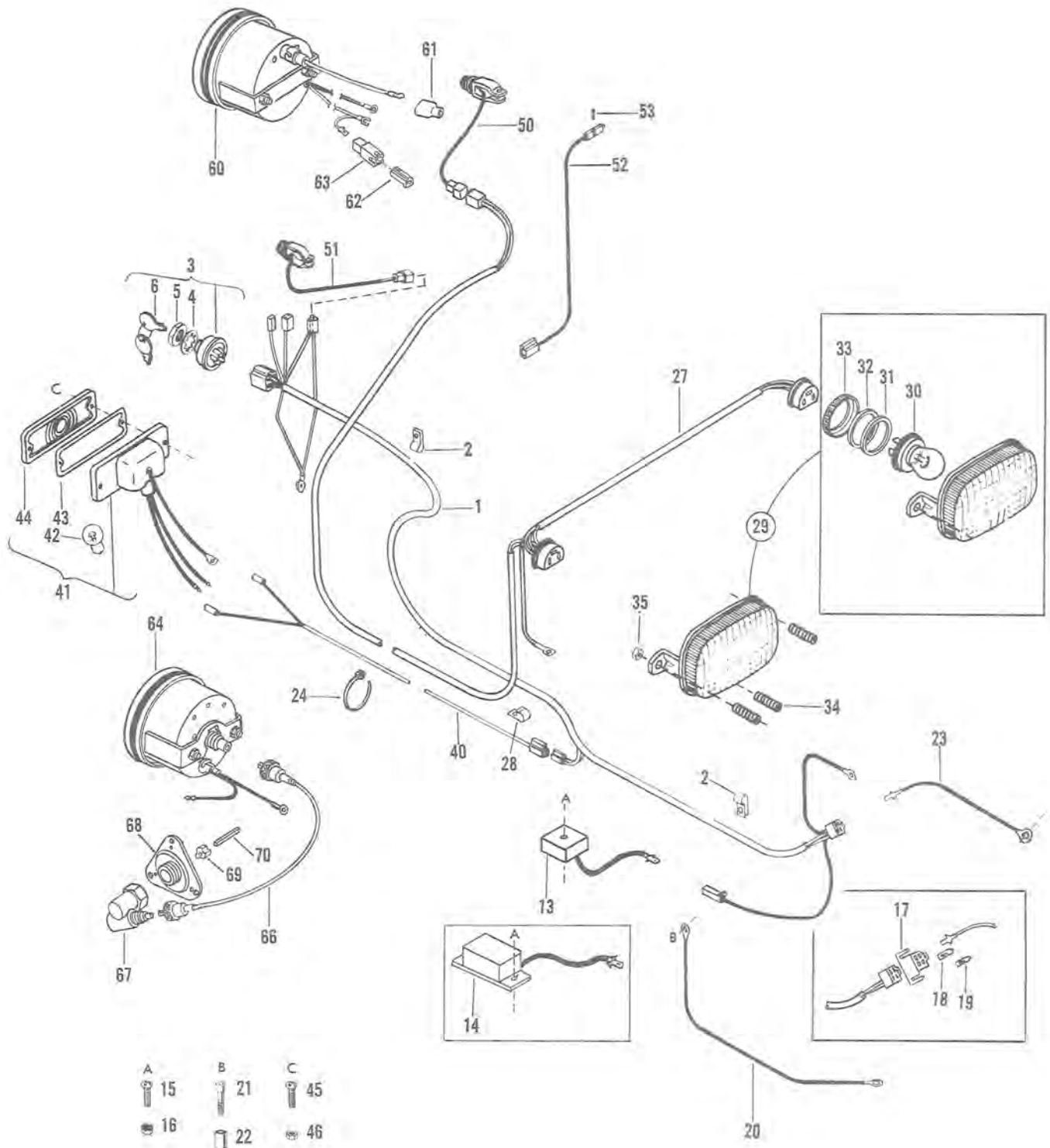
WIRING SWITCHES AND INSTRUMENTS

(1 AND 2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.	
			1 Cyl. Eng.	2 Cyl. Eng.
1	532 583 M91	Harness Assembly.....	1	1
2	533 303 M1	Clip.....	3	3
3	521 992 M91	Switch Assembly.....	1	1
4	355 833 X1	Washer (9/16" Int. Lock).....	1	1
5	1 009 699 M1	Nut (9/16" NF, Hex.).....	1	1
6	1 035 344 M91	Key (Set of 2).....	1	1
13	532 941 M1	Regulator.....	1	-
14	529 942 M1	Regulator.....	-	1
15	369 084 X1	Screw (#10 - 1-1/8" NF, Pan Hd.).....	2	2
16	366 579 X1	Nut (#10 NF, Hex.).....	2	2
17	1 039 282 M1	Connector.....	1	-
18	530 066 M1	Terminal.....	2	-
19	1 038 504 M1	Terminal.....	1	-
20	532 561 M91	Wire Assembly.....	1	1
21	1 441 967 X1	Bolt (6MM x 45MM).....	-	1
22	368 646 X1	Spacer.....	-	1
23	529 935 M91	Wire Assembly.....	1	-
23	530 293 M91	Wire Assembly.....	-	1
24	515 103 M1	Tie.....	1	1
27	532 562 M91	Harness Assembly.....	1	1
28	533 305 M1	Clip.....	3	3
29	529 934 M91	Headlamp Assembly.....	2	2
30	1 041 948 M1	Bulb.....	1	1
31	1 041 950 M1	Gasket.....	1	1
32	1 041 951 M1	Washer.....	1	1
33	1 041 952 M1	Holder.....	1	1
34	529 984 M1	Spring.....	6	6
35	369 138 X1	Nut (#8 NC, Hex., Lock).....	6	6
40 (A)	533 716 M91	Harness Assembly.....	1	1
40 (B)	530 187 M91	Harness Assembly.....	1	1
41 (A)	533 715 M91	Lamp Assembly (Incl. Items 42, 43 and 44).....	1	1
41 (B)	529 926 M91	Lamp Assembly (Incl. Items 42, 43 and 44).....	1	1
42	1 041 993 M1	Bulb.....	1	1
43	1 041 989 M1	Gasket.....	1	1
44	1 041 990 M1	Lens.....	1	1
45	353 982 X1	Screw (#10 - 5/8" NC, Pan Hd.).....	2	2
46	368 654 X1	Nut (#10 NC, Hex.).....	2	2
50	532 327 M91	Switch Assembly.....	1	1
51	532 326 M91	Switch Assmebly.....	1	1
52	529 587 M91	Switch Assembly.....	1	1
53	357 616 X1	Pin (3/32 x 3/4" Spring).....	1	1
60		Tachometer Assembly (See Page 63).....	1	1
61	519 635 M1	Connector.....	1	1
62	530 376 M1	Connector.....	1	1
63	504 817 M1	Body.....	1	1
64		Speedometer Assembly (404T, 444T, 404WT and 444WT) (See Page 63).....	-	1
66	1 042 474 M91	Cable Assembly.....	-	1
67 (C)	533 930 M91	Adapter Assembly (150 - 19.5 RH Stamped on Part).....	-	1
67 (D)	1 042 475 M91	Adapter Assembly (140 - 18.1 RH Stamped on Part).....	-	1
68	1 042 473 M1	Flange.....	-	1
69	1 042 471 M1	Bushing.....	-	1
70	1 042 472 M1	Key.....	-	1

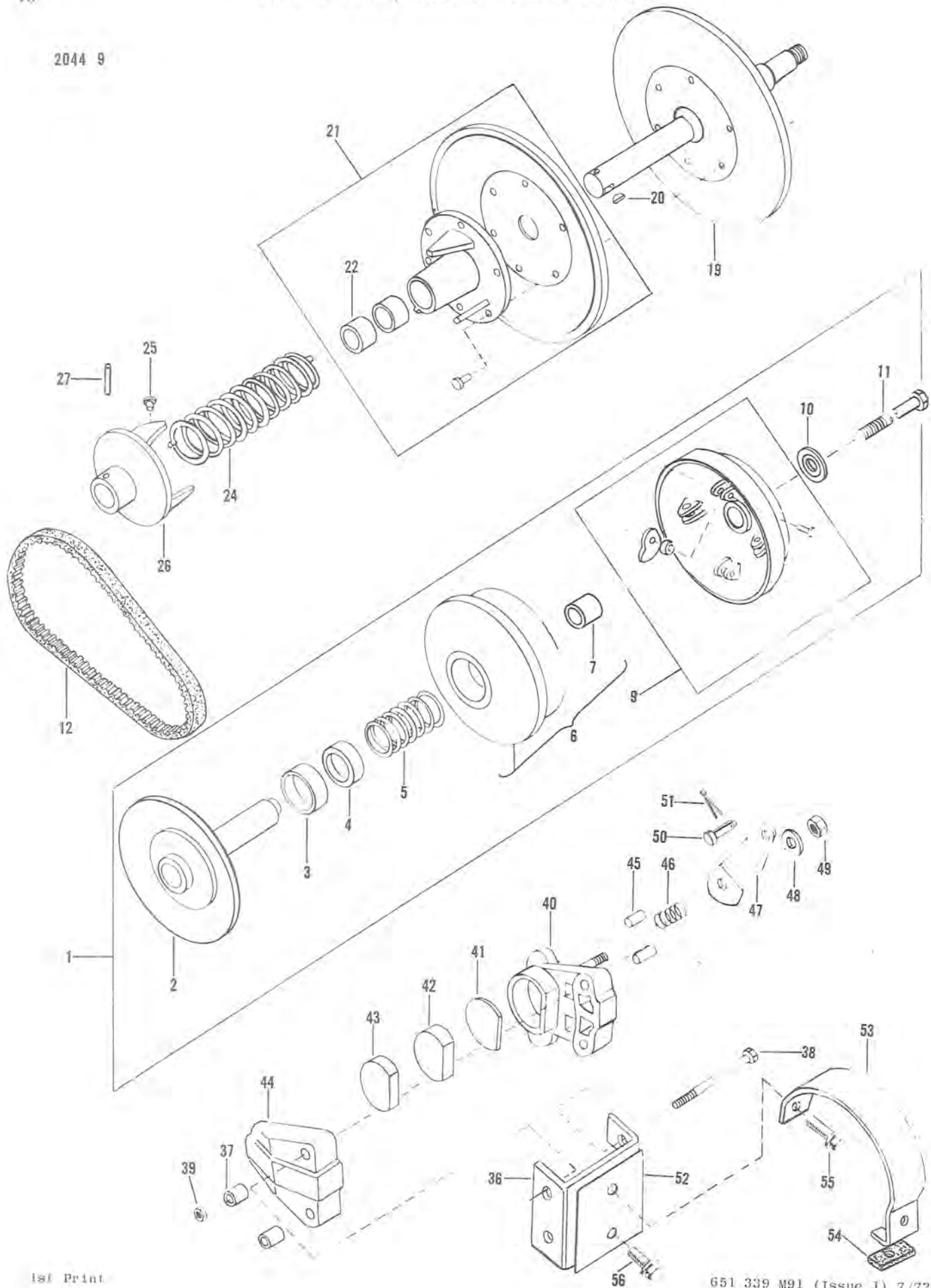
Notes: (A) - Used 304 Machine Serial Number 2044 010 701 and up.
 Used 344ST Machine Serial Number 2044 061 001 and up.
 Used 404ST Machine Serial Number 2044 110 681 and up.
 Used 444ST Machine Serial Number 2044 211 001 and up.
 Used 444WT Machine Serial Number 2044 210 571 and up.
 (B) - Used prior to 304 Machine Serial Number 2044 010 701.
 Used prior to 344ST Machine Serial Number 2044 061 001.
 Used prior to 404ST Machine Serial Number 2044 110 681.
 Used prior to 444ST Machine Serial Number 2044 211 001.
 Used prior to 444WT Machine Serial Number 2044 260 571.
 (C) - Used Late Production Machines.
 (D) - Used Early Production Machines.

2044 B-1



DRIVE PULLEY, DRIVEN PULLEY AND BRAKE

2044 9



DRIVE PULLEY, DRIVEN PULLEY AND BRAKE

19

(MF 304, 304T AND 344T)

Ref. No.	Part No.	Description	No. Req.		
			304	304T	344T
1	533 163 M91	Pulley Assembly (No Color Code).....	1	-	-
2	526 191 M92	Shaft Assembly.....	1	-	-
3	842 493 M1	Bearing.....	1	-	-
4	526 284 M1	Retainer.....	1	-	-
5	529 999 M2	Spring.....	1	-	-
6	526 196 M91	Pulley Assembly.....	1	-	-
7	526 283 M1	Bushing.....	1	-	-
9	526 282 M92	Cover Assembly.....	1	-	-
10	368 142 X1	Washer (1/2" Flat).....	1	-	-
11	367 218 X1	Bolt (1/2 x 4-5/8" NF, Hex.).....	1	-	-
12	521 965 M2	Belt.....	1	-	-
1	533 209 M91	Pulley Assembly (Orange Color Code).....	-	1	-
2	526 191 M92	Shaft Assembly.....	-	1	-
3	842 493 M1	Bearing.....	-	1	-
4	526 284 M1	Retainer.....	-	1	-
5	533 210 M1	Spring.....	-	1	-
6	526 196 M91	Pulley Assembly.....	-	1	-
7	526 283 M1	Bushing.....	-	1	-
9	533 180 M91	Cover Assembly.....	-	1	-
10	368 142 X1	Washer (1/2" Flat).....	-	1	-
11	367 218 X1	Bolt (1/2 x 4-5/8" NF, Hex.).....	-	1	-
12	521 965 M2	Belt.....	-	1	-
1	533 178 M91	Pulley Assembly (Blue Color Code).....	-	-	1
2	526 291 M92	Shaft Assembly.....	-	-	1
3	842 493 M1	Bearing.....	-	-	1
4	526 284 M1	Retainer.....	-	-	1
5	529 999 M2	Spring.....	-	-	1
6	526 287 M91	Pulley Assembly.....	-	-	1
7	526 283 M1	Bushing.....	-	-	1
9	533 180 M91	Cover Assembly.....	-	-	1
10	368 142 X1	Washer (1/2" Flat).....	-	-	1
11	367 905 X1	Bolt (1/2 x 5" NF, Hex.).....	-	-	1
12	523 216 M2	Belt.....	-	-	1
	521 946 M94	Pulley Assembly.....	1	1	-
19	1 038 708 M92	Shaft Assembly.....	1	1	-
20	1 924 X	Key.....	1	1	-
21	1 039 345 M91	Plate Assembly.....	1	1	-
22	1 038 712 M1	Bushing (.876 x 1.000 x 1.000").....	2	2	-
22 (A)	843 018 M1	Bushing (.876 x 1.007 x 1.000").....	2	2	-
24	533 116 M1	Spring.....	1	1	-
25	1 043 635 M1	Lining.....	3	3	-
26	1 043 634 M1	Cam.....	1	1	-
27	357 634 X1	Pin (3/16 x 1-1/2" Roll).....	1	1	-
	523 118 M93	Pulley Assembly.....	-	-	1
19	1 043 636 M91	Shaft Assembly.....	-	-	1
20	1 924 X	Key.....	-	-	1
21	1 043 637 M91	Plate Assembly.....	-	-	1
22	1 038 712 M1	Bushing (.876 x 1.000 x 1.000").....	-	-	2
22 (A)	843 018 M1	Bushing (.876 x 1.007 x 1.000").....	-	-	2
24	533 116 M1	Spring.....	-	-	1
25	1 043 635 M1	Lining.....	-	-	3
26	1 043 634 M1	Cam.....	-	-	1
27	357 634 X1	Pin (3/16 x 1-1/2" Roll).....	-	-	1
	532 957 M91	Brake Assembly.....	1	1	1
36	1 038 749 M1	Bracket.....	1	1	1
37	1 038 758 M1	Bushing.....	4	4	4
38	353 533 X1	Bolt (5/16 x 2-3/4" NF, Hex.).....	2	2	2
39	195 454 M1	Nut (5/16" NF, Hex., Lock).....	2	2	2
40	1 040 823 M91	Body.....	1	1	1
41	1 038 754 M1	Disc.....	1	1	1
42	1 038 753 M1	Pad.....	1	1	1
43	1 038 755 M1	Pad.....	1	1	1
44	1 038 752 M1	Body.....	1	1	1
45	1 038 756 M1	Pin.....	2	2	2
46	1 038 757 M1	Spring.....	1	1	1
47	1 040 821 M1	Cam.....	1	1	1
48	1 038 761 M1	Washer (5/16" Flat).....	1	1	1
49	195 454 M1	Nut (5/16" NF, Hex., Lock).....	1	1	1
50	832 297 M1	Pin (Clevis).....	1	1	1
51	354 039 X1	Pin (1/16 x 1/2" Cotter).....	1	1	1
52	368 536 X1	Shim.....	x	x	x
53	533 045 M1	Shield.....	1	1	1
54	531 986 M1	Pad.....	1	1	1
55	365 382 X1	Bolt (5/16 x 3/4" NC, Hex.).....	1	1	1
56	366 788 X1	Bolt (5/16 x 5/8" NC, Hex., Lock).....	1	1	1

Notes: (A) - Never used in Production. Used only for repairs.

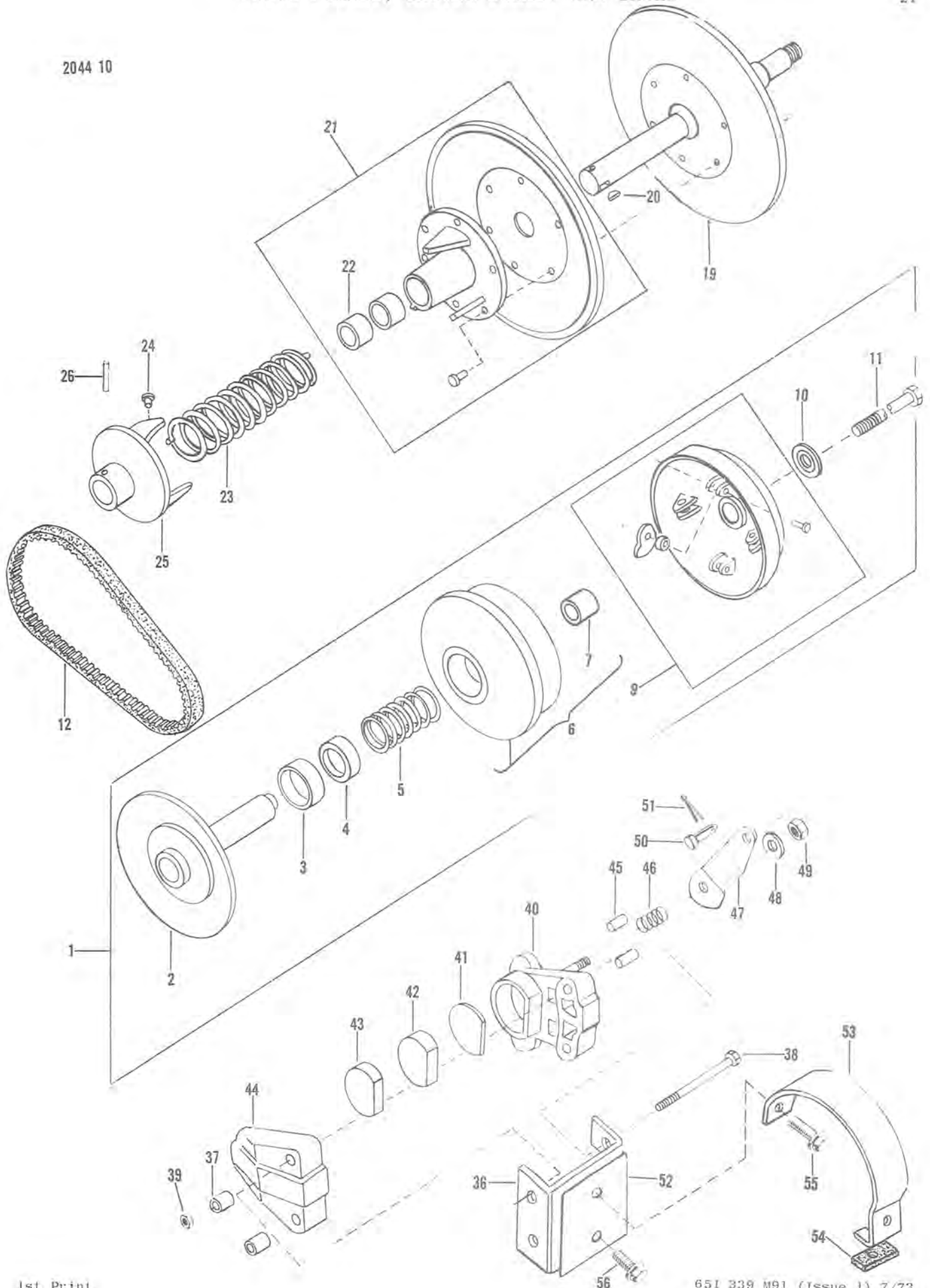
DRIVE PULLEY, DRIVEN PULLEY AND BRAKE

(MF 404T, 444T, 404WT AND 444WT)

Ref. No.	Part No.	Description	No. Req.			
			4	4	4	4
			4	4	0	4
			0	4	4	4
			4	4	W	W
			T	T	T	T
1	530 717 M91	Pulley Assembly (Light Green and Yellow Color Code).....	1	1	1	1
2	526 291 M92	Shaft Assembly.....	1	1	1	1
3	842 493 M1	Bearing.....	1	1	1	1
4	526 284 M1	Retainer.....	1	1	1	1
5	529 999 M2	Spring.....	1	1	1	1
6	526 287 M91	Pulley Assembly.....	1	1	1	1
7	526 283 M1	Bushing.....	1	1	1	1
9	526 197 M92	Cover Assembly.....	1	1	1	1
10	368 142 X1	Washer (1/2" Flat).....	1	1	1	1
11	367 905 X1	Bolt (1/2 x 5" NF, Hex.).....	1	1	1	1
12	523 216 M1	Belt.....	1	1	1	1
	523 118 M93	Pulley Assembly.....	1	1	-	-
19	1 043 636 M91	Shaft Assembly.....	1	1	-	-
20	1 924 X	Key.....	1	1	-	-
21	1 043 637 M91	Plate Assembly.....	1	1	-	-
22	1 038 712 M1	Bushing (.876 x 1.000 x 1.000").....	2	2	-	-
22 (A)	843 018 M1	Bushing (.876 x 1.007 x 1.000").....	2	2	-	-
23	533 116 M1	Spring.....	1	1	-	-
24	1 043 635 M1	Lining.....	3	3	-	-
25	1 043 634 M1	Cam.....	1	1	-	-
26	357 634 X1	Pin (3/16 x 1-1/2" Roll).....	1	1	-	-
	529 095 M92	Pulley Assembly.....	-	1	1	1
19	1 043 638 M91	Shaft Assembly.....	-	1	1	1
20	1 924 X	Key (Woodruff).....	-	1	1	1
21	1 043 637 M91	Plate Assembly.....	-	1	1	1
22	1 038 712 M1	Bushing (.876 x 1.000 x 1.000").....	-	2	2	2
22 (A)	843 018 M1	Bushing (.876 x 1.007 x 1.000").....	-	2	2	2
23	533 116 M1	Spring.....	-	1	1	1
24	1 043 635 M1	Lining.....	-	3	3	3
25	1 043 634 M1	Cam.....	-	1	1	1
26	357 634 X1	Pin (3/16 x 1-1/2" Roll).....	-	1	1	1
	532 957 M91	Brake Assembly.....	1	1	1	1
36	1 038 749 M1	Bracket.....	1	1	1	1
37	1 038 758 M1	Bushing.....	4	4	4	4
38	353 533 X1	Bolt (5/16 x 2-3/4" NF, Hex.).....	2	2	2	2
39	195 454 M1	Nut (5/16" NF, Hex., Lock).....	2	2	2	2
40	1 040 823 M91	Body.....	1	1	1	1
41	1 038 754 M1	Disc.....	1	1	1	1
42	1 038 753 M1	Pad.....	1	1	1	1
43	1 038 755 M1	Pad.....	1	1	1	1
44	1 038 752 M1	Body.....	1	1	1	1
45	1 038 756 M1	Pin.....	2	2	2	2
46	1 038 757 M1	Spring.....	1	1	1	1
47	1 040 821 M1	Cam.....	1	1	1	1
48	1 038 761 M1	Washer (5/16" Flat).....	1	1	1	1
49	195 454 M1	Nut (5/16" NF, Hex., Lock).....	1	1	1	1
50	832 297 M1	Pin (Clevis).....	1	1	1	1
51	354 039 X1	Pin (1/16 x 1/2" Cotter).....	1	1	1	1
52	368 536 X1	Shim.....	x	x	x	x
53	533 045 M1	Shield.....	1	1	1	1
54	531 986 M1	Pad.....	1	1	1	1
55	365 382 X1	Bolt (5/16 x 3/4" NC, Hex.).....	1	1	1	1
56	366 788 X1	Bolt (5/16 x 5/8" NC, Hex., Lock).....	1	1	1	1

Note: (A) - Never used in Production. Used only for repairs.

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MAIN DRIVE AND SPROCKETS

23

(1 AND 2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.	
			15 1/2" Track	18" Track
1	367 090 X1	Shim.....	x	x
2	22 258 X	Bearing.....	2	2
3	367 088 X1	Spacer (1-23/64" Long).....	1	-
3	368 537 X1	Spacer (2-9/16" Long).....	-	1
4	521 735 M2	Block.....	1	-
4	529 093 M1	Block.....	-	1
5	523 295 M2	Gasket.....	2	2
6	529 130 M1	Gasket.....	1	1
7	529 129 M1	Gasket.....	3	3
8	367 089 X1	Spacer (9/16" Long).....	1	1
9	364 958 X1	Bolt (5/16 x 2-1/4" NC, Carr.).....	2	2
10	365 206 X1	Nut (5/16" NC, Hex., Flange Lock).....	2	2
11	353 679 X1	Bolt (5/16 x 1" NC, Hex.).....	2	2
12	353 755 X1	Washer (5/16" Flat).....	6	6
14	364 214 X1	Key (3/16 x 3/16 x 1-1/8").....	1	1
22 (A)	10 007 A91	Sprocket (17 Tooth).....	1	1
22 (B)	10 009 A91	Sprocket (21 Tooth).....	1	-
23 (A)	533 495 M91	Chain Assembly (84 Links).....	1	1
24	519 721 M1	Link, Connecting.....	1	1
26 (B)	533 576 M91	Chain Assembly (86 Links).....	1	-
27	519 721 M1	Link, Connecting.....	1	1
28	353 773 X1	Washer (1/2" Flat).....	1	1
29	195 982 M1	Nut (1/2" NF, Hex., Lock).....	1	1
33	526 399 M1	Sprocket.....	1	1
34	366 856 X1	Screw (3/8 x 1/2" Sq. Hd. Set).....	2	2
35	10 724 X	Key (1/4 x 1/4 x 1-1/2").....	1	1
36	368 538 X1	Spacer.....	1	1
37	195 654 M1	"O" Ring.....	1	1
38	842 499 M1	Bearing.....	2	2
39	364 352 X1	Bolt (5/16 x 3/4" NC, Carr.).....	3	3
40	365 415 X1	Bolt (5/16 x 5/8" NC, Carr.).....	3	3
41	368 834 X1	Nut (5/16" NC, Hex., Lock).....	6	6
42	531 640 M1	Sprocket.....	2	-
42	531 639 M1	Sprocket.....	-	2
43	368 692 X1	Bolt (5/16 x 2-3/4" NC, Hex.).....	2	2
44	353 755 X1	Washer (5/16" Flat).....	4	4
45	368 834 X1	Nut (5/16" NC, Hex., Lock).....	2	2
46	531 658 M1	Shaft.....	1	-
46	529 092 M3	Shaft.....	-	1
47	366 535 X1	Washer (1-1/64 x 1-1/4 x 1/16").....	-	1

Notes: (A) - Used on MF 304, 304T, 344T, 404WT and 444WT.
(B) - Used on MF 404T and 444T.

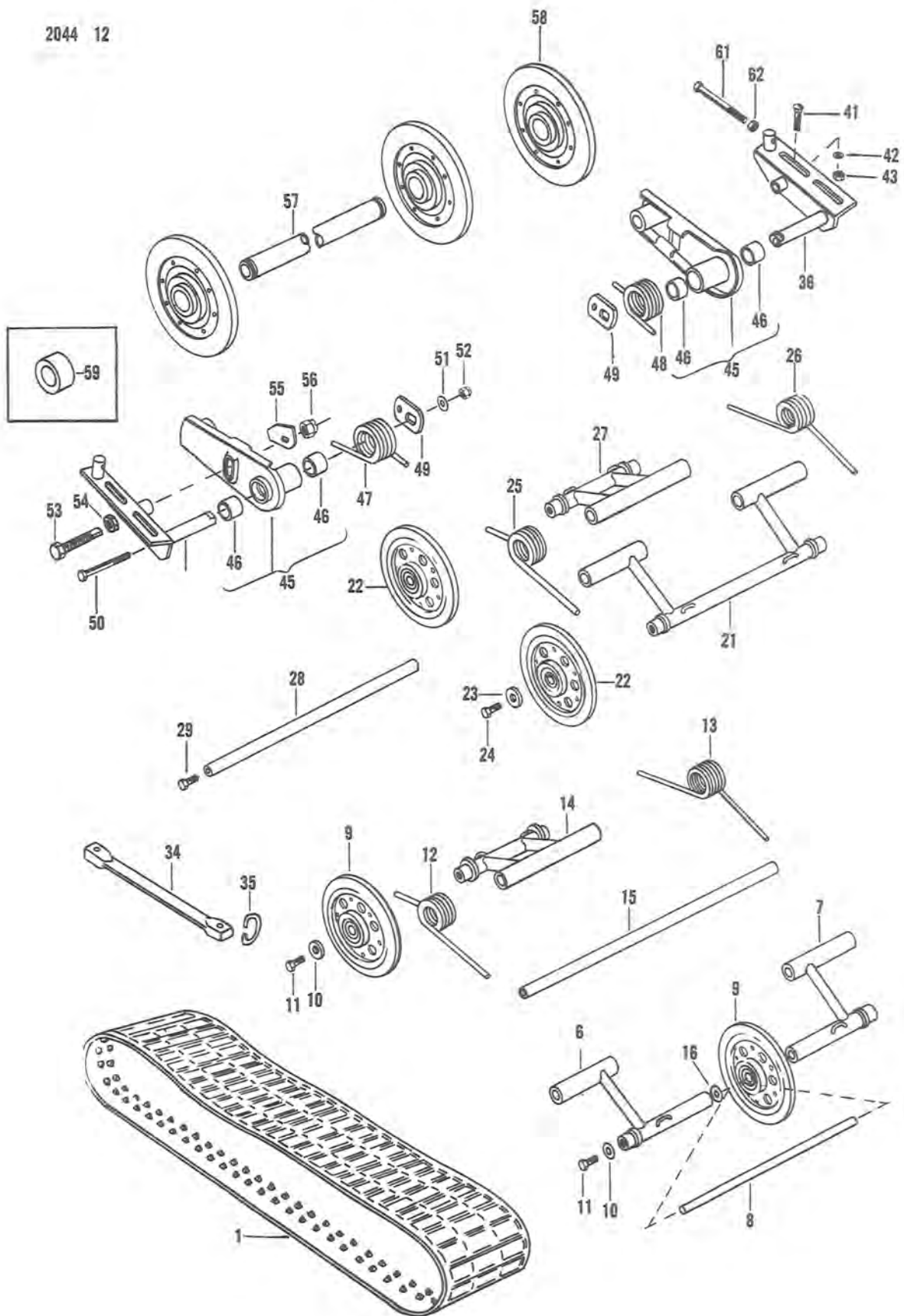
TRACK AND SUSPENSION

(1 AND 2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.	
			15 1/2"	18"
			Track	Track
1	531 589 M1	Track (15-1/2 x 119").....	1	-
1	531 588 M1	Track (18 x 118-1/2").....	-	1
SUSPENSION WITH CENTER WHEEL				
6	529 563 M91	Arm Assembly.....	-	1
7	529 564 M91	Arm Assembly.....	-	1
8	529 483 M1	Shaft.....	-	1
9	531 857 M1	Wheel.....	-	5
10	365 324 X1	Washer (13/32 x 1-1/4 x 1/8").....	-	4
11	366 565 X1	Bolt (3/8 x 3/4" NC, Hex., Lock).....	-	4
12	521 692 M1	Spring.....	-	1
13	521 693 M1	Spring.....	-	1
14	522 943 M91	Axle Assembly.....	-	1
15	529 482 M1	Shaft.....	-	1
16	353 774 X1	Washer (5/8" Heavy Flat).....	-	4
SUSPENSION WITHOUT CENTER WHEEL				
21	526 013 M91	Axle Assembly.....	3	-
21	529 485 M91	Axle Assembly.....	-	2
22	531 857 M1	Wheel.....	12	8
23	365 324 X1	Washer (13/32 x 1-1/4 x 1/8").....	12	8
24	366 565 X1	Bolt (3/8 x 3/4" NC, Hex., Lock).....	12	8
25	521 692 M1	Spring, Right.....	3	2
26	521 693 M1	Spring, Left.....	3	2
27	522 943 M1	Axle Assembly.....	3	2
28	526 011 M1	Shaft.....	3	-
28	529 482 M1	Shaft.....	-	2
29	366 565 X1	Bolt (3/8 x 3/4" NC, Hex.).....	6	6
34	529 012 M1	Strap.....	4	4
35	521 730 M1	"D" Ring.....	8	8
36	529 380 M92	Hanger Assembly.....	1	1
40	529 379 M92	Hanger Assembly.....	1	1
41	364 352 X1	Bolt (5/16 x 3/4" NC, Carr.).....	4	4
42	353 755 X1	Washer (5/16" Flat).....	4	4
43	368 834 X1	Nut (5/16" Lock).....	4	4
45	529 383 M93	Arm Assembly.....	2	2
46	196 125 M1	Bearing.....	2	2
47	529 377 M1	Spring, Right.....	1	1
48	529 378 M1	Spring, Left.....	1	1
49	529 373 M1	Retainer.....	2	2
50	354 630 X1	Bolt (3/8 x 3-3/4" NC, Hex.).....	2	2
51	365 324 X1	Washer (3/8" Flat).....	2	2
52	367 482 X1	Nut (3/8" NC, Hex., Lock).....	2	2
53 (A)	529 375 M1	Bolt (1/2 x 2-3/8" NF, Hex., Special).....	2	2
54 (A)	353 438 X1	Nut (1/2" NF, Half Hex.).....	2	2
55 (A)	529 374 M1	Cam.....	2	2
56 (A)	364 756 X1	Nut (1/2" NF, Hex., Lock).....	2	2
57	529 371 M1	Shaft.....	1	-
57	529 370 M1	Shaft.....	-	1
58	529 957 M91	Wheel Assembly.....	2	3
59	368 570 X1	Spacer.....	2	-
61	368 529 X1	Bolt (3/8 x 4-1/2" NC, Hex.).....	2	2
62	375 109 X1	Nut (3/8" NC, Half Hex.).....	2	2

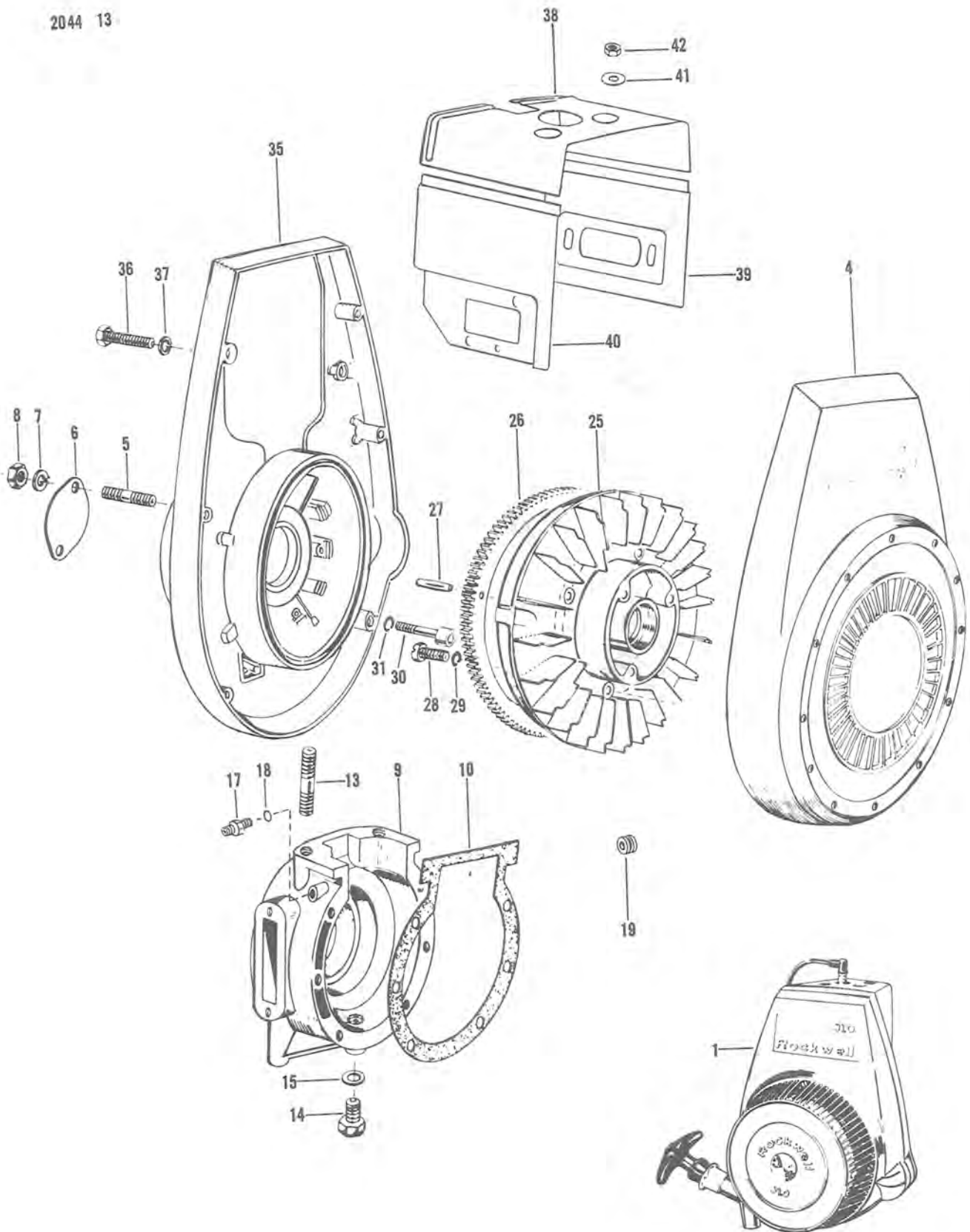
Notes: (A) - Used on MF 304T, 344T, 404T, 444T, 404WT and 444WT only.

2044 12



ENGINE, CRANKCASE, FLYWHEEL

2044 13



ENGINE, CRANKCASE, FLYWHEEL

27

(1 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.
1	532 619 M91	Engine Assembly.....	1
4	1 036 987 M1	Cowl.....	1
5	1 037 017 M1	Stud (8MM x 20MM, Hex.).....	2
6	1 037 031 M1	Cover.....	1
7	353 446 X1	Washer (5/16" Lock).....	2
8	339 169 X1	Nut (8MM, Hex.).....	2
9	1 038 617 M1	Crankcase.....	1
10	1 036 967 M1	Gasket.....	1
13	391 005 X1	Stud (10MM x 35MM).....	4
14	391 178 X1	Screw (10MM x 10MM, Hex.).....	1
15	1 440 993 X1	Gasket.....	1
17	1 040 836 M1	Nipple.....	1
18	391 376 X1	Gasket.....	1
19	1 038 493 M1	Grommet.....	2
25	1 036 985 M92	Flywheel Assembly.....	1
26	1 036 986 M1	Gear.....	1
27	391 275 X1	Pin.....	3
28	391 364 X1	Screw (6MM x 20MM).....	4
29	1 440 998 X1	Washer (9/32 x 15/32" Spring Type).....	4
30	391 982 X1	Bolt (8MM x 50MM).....	6
31	353 446 X1	Washer (5/16" Lock).....	6
35	1 038 455 M1	Cover Assembly.....	1
36	1 037 025 M1	Screw (6MM x 35MM).....	5
36	1 037 452 M1	Screw (6MM x 40MM).....	1
37	339 375 X1	Washer (6MM, Lock).....	6
38	1 038 584 M1	Shroud.....	1
39	1 042 150 M1	Cover.....	1
40	1 042 149 M1	Cover.....	1
41	339 179 X1	Washer (Spring Type).....	6
42	390 345 X1	Nut (8MM, Hex.).....	3

CYLINDER HEAD, PISTON AND CRANKSHAFT

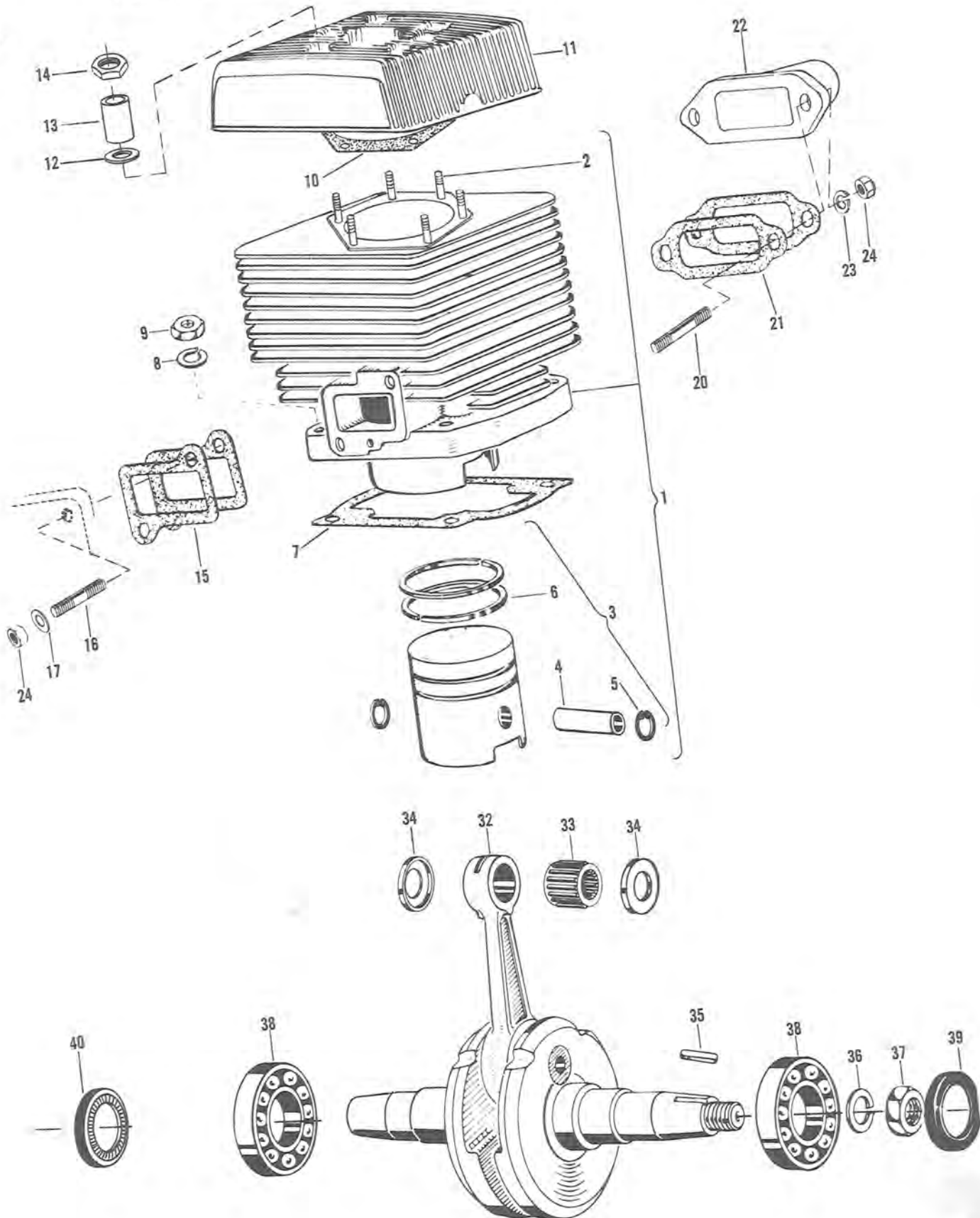
(1 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.
1	1 042 145 M91	Cylinder and Piston Assembly.....	1
2	1 037 037 M1	Stud.....	6
3 (A)	1 038 458 M91	Piston Assembly.....	1
4	1 036 972 M1	Pin.....	1
5	1 037 023 M1	Snap Ring.....	2
6 (B)	1 038 460 M1	Ring (.074" Thick).....	2
3 (A)	1 039 251 M91	Piston Assembly.....	1
4	1 036 972 M1	Pin.....	1
5	1 037 023 M1	Snap Ring.....	2
6 (B)	1 039 252 M1	Ring (.094" Thick).....	2
7	1 036 974 M1	Gasket.....	1
8	339 376 X1	Washer (10MM Lock).....	4
9	339 402 X1	Nut (10MM Hex.).....	4
10	1 038 468 M1	Gasket.....	1
11	1 038 467 M1	Head.....	1
12	353 770 X1	Washer (5/16" Flat).....	6
13	1 037 131 M1	Spacer.....	6
14	339 169 X1	Nut (8MM Hex.).....	6
15	1 037 100 M1	Gasket.....	1
16	1 043 466 M1	Stud (M8 x 52MM).....	2
17	339 179 X1	Washer (M8 Wave).....	2
20	1 037 127 M1	Stud (8MM x 20MM).....	2
21	1 038 464 M1	Gasket.....	2
22	1 038 609 M1	Manifold.....	1
23	353 446 X1	Washer (B8 Din 127).....	2
24	339 169 X1	Nut (M8 Din 934).....	4
32	1 038 456 M91	Crankshaft Assembly.....	1
33	1 037 020 M1	Bearing.....	1
34	1 036 969 M1	Retainer.....	2
35	1 037 019 M1	Key (6 x 4 x 14MM).....	1
36	339 378 X1	Washer (20MM Lock).....	1
37	1 037 535 M1	Nut (20MM, Hex.).....	1
38	18 563 X	Bearing.....	2
39	1 037 018 M1	Seal.....	1
40	1 038 457 M1	Seal.....	1

Notes: (A) - Used as Alternates in Production.
 (B) - Check Ring size before ordering.

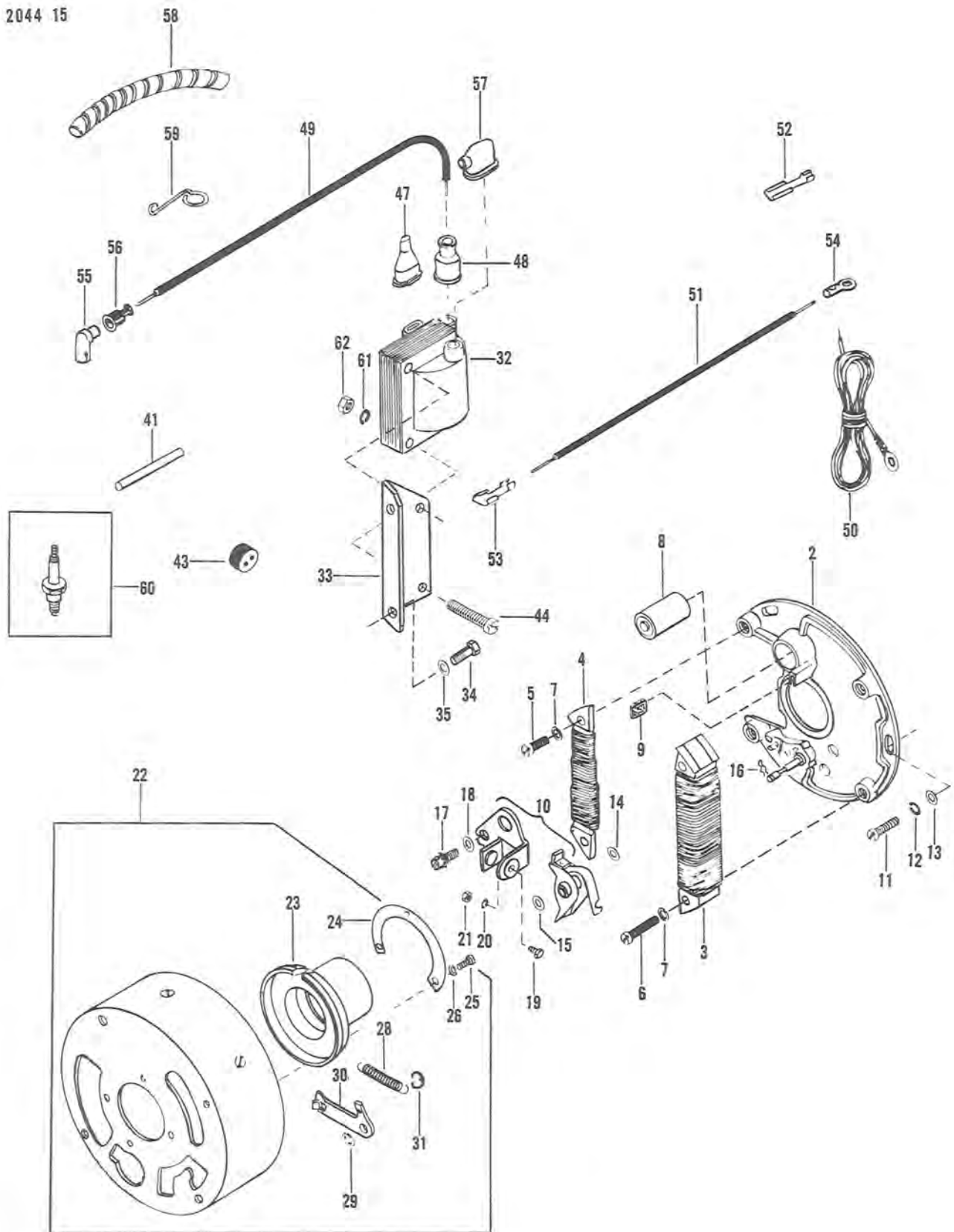
CYLINDER HEAD, PISTON AND CRANKSHAFT

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651 339 M91 (Issue 1) 7/73

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ELECTRICAL

(1 CYLINDER ENGINE)

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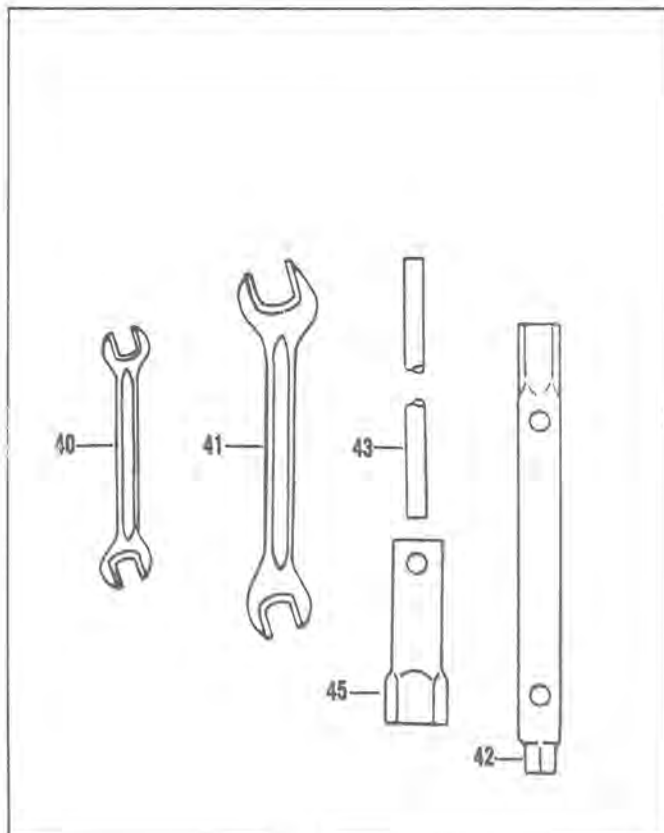
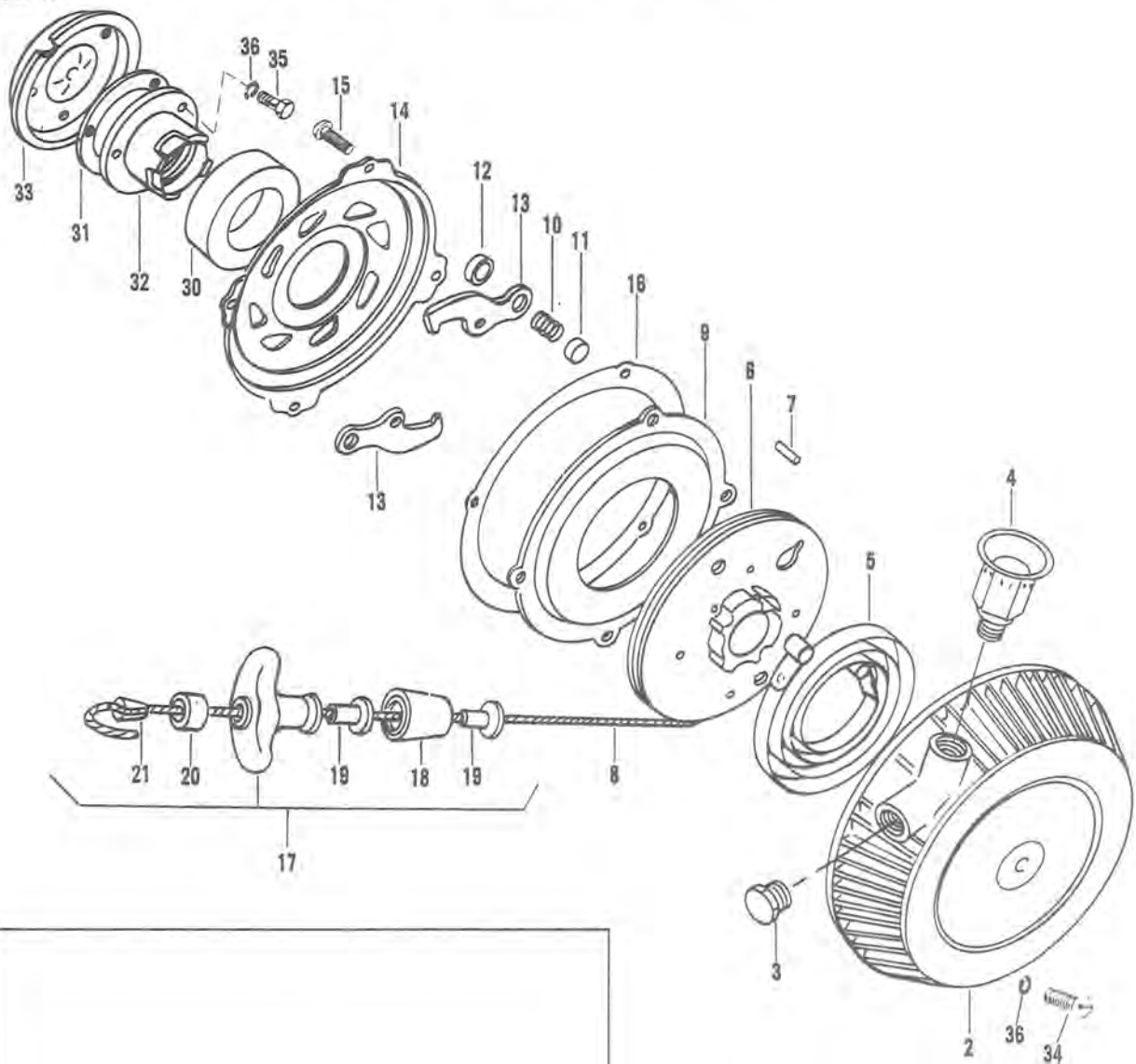
Ref. No.	Part No.	Description	No. Req.
	1 043 455 M91	Plate Assembly.....	1
2		Plate (Order 1043 455 M91).....	1
3	1 043 432 M1	Coil.....	1
4	1 043 456 M1	Coil.....	1
5	1 441 717 X1	Screw.....	2
6	390 964 X1	Screw (5MM x 28MM).....	2
7	339 381 X1	Washer (5MM Lock).....	4
8	1 037 108 M1	Condenser.....	1
9	1 037 107 M1	Felt.....	1
10	1 037 109 M91	Point Set.....	1
11	391 294 X1	Screw (5MM x 20MM Rd. Hd.).....	3
12	353 752 X1	Washer (#8 Flat).....	3
13	339 381 X1	Washer (5MM, Lock).....	3
	836 867 M91	Kit.....	1
14 (A)		Washer (4MM x .5MM Flat).....	2
15 (A)		Washer (4MM x .8MM Flat).....	2
16 (A)		Hair Pin.....	1
17 (A)		Screw Assembly (4MM x 10MM, w/Lockwasher).....	1
18 (A)		Washer (4MM Flat).....	3
19 (A)		Screw (3MM x 10MM, Hex.).....	1
20 (A)		Washer (3MM Lock).....	1
21 (A)		Nut (3MM, Hex.).....	1
22	1 042 148 M91	Flywheel Assembly.....	1
23	1 037 111 M1	Cam.....	1
24	1 038 054 M1	Ring.....	1
25	1 037 450 M1	Screw.....	3
26	1 037 449 M1	Washer.....	3
28	1 037 447 M1	Spring.....	1
29	1 038 632 M1	Washer.....	1
30	1 038 556 M1	Weight.....	1
31	1 037 446 M1	Retainer.....	1
32	1 037 042 M1	Coil.....	1
33	1 038 471 M1	Support.....	1
34	339 666 X1	Screw (6MM x 20MM, Hex.).....	2
35	339 375 X1	Washer (6MM Lock).....	2
41	1 036 979 M1	Sleeve.....	1
43	1 038 472 M1	Grommet (2 Holes).....	1
44	1 037 112 M1	Screw (5MM x 22MM Rd. Hd.).....	4
47	1 037 135 M1	Cap.....	1
48	1 037 113 M1	Cap.....	1
49	1 038 564 M1	Cable.....	1
50	1 038 474 M1	Cable.....	1
51 (B)		Cable (Approximately 50").....	1
52	1 037 114 M1	Connection.....	1
53	1 037 115 M1	Connection.....	1
54	1 037 116 M2	Connection.....	1
55	1 043 457 M1	Cap.....	1
56	1 043 438 M1	Cap.....	1
57	1 037 119 M1	Cap.....	1
58	1 038 611 M1	Band.....	1
59	1 038 610 M1	Clamp.....	1
60	521 509 M1	Spark Plug.....	1
61	339 381 X1	Washer (B5 Din. 127 Lock).....	2
62	390 995 X1	Nut (M5 Din. 934 Hex.).....	2

Note: (A) - Order 836 867 M91.
 (B) - Order 1038 474 M1 Approximately 50".

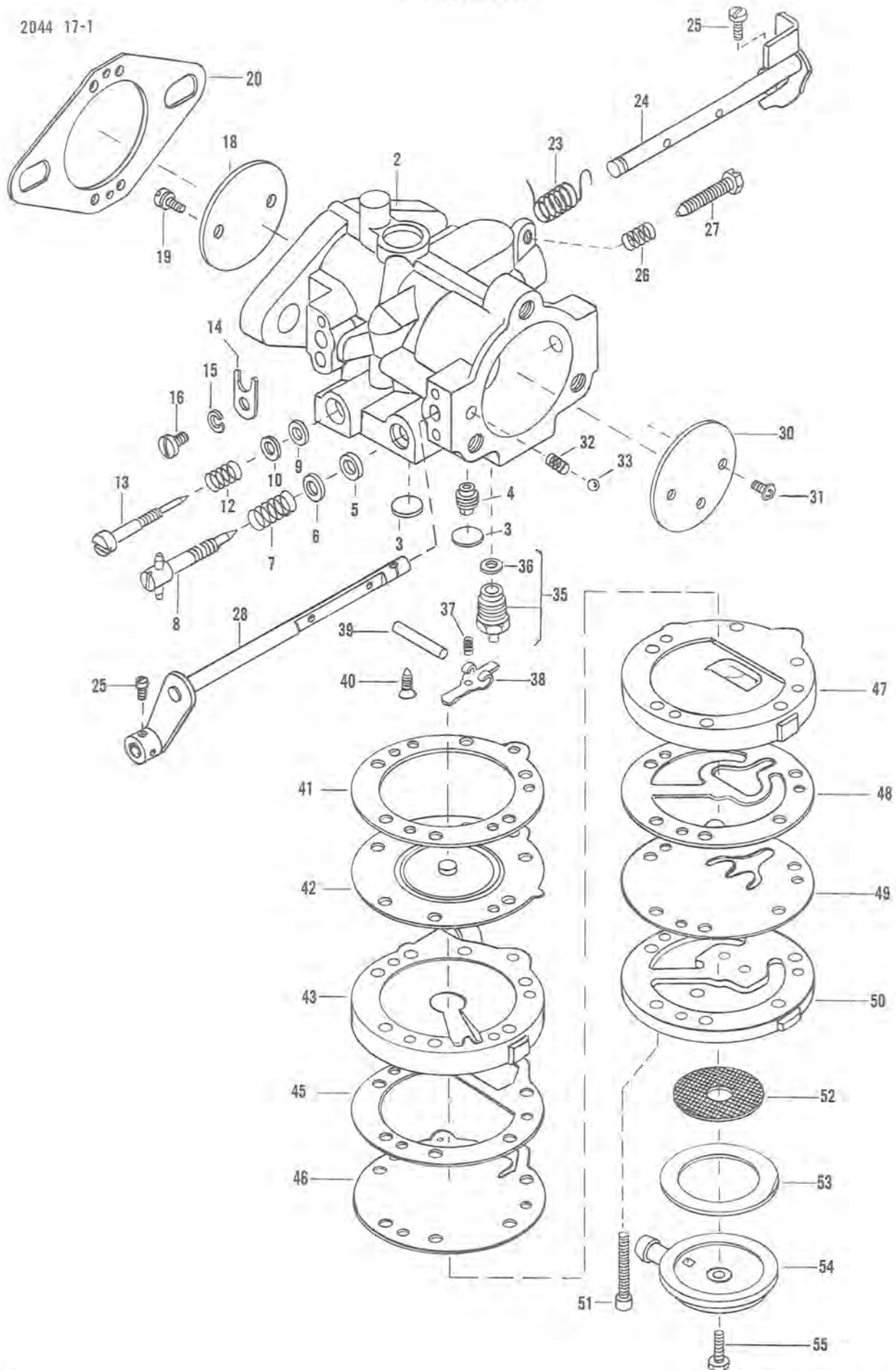
RECOIL STARTER AND TOOLS (1 CYLINDER ENGINE)

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No. Req.</u>
	1 038 483 M91	Recoil Assembly.....	1
2	1 036 988 M1	Housing.....	1
3	1 037 122 M1	Plug.....	1
4	1 036 989 M1	Bushing.....	1
5	1 036 990 M2	Spring.....	1
6	1 038 484 M1	Drum.....	1
7	1 038 634 M1	Pin.....	2
8	1 041 148 M1	Rope.....	1
9	1 038 485 M1	Plate.....	1
10	1 038 486 M1	Spring.....	2
11	1 036 998 M1	Cap.....	2
12	1 038 487 M1	Cap.....	2
13	1 038 884 M1	Pawl.....	2
14	1 038 489 M1	Plate.....	1
15	1 037 026 M1	Screw (4MM x 10MM).....	4
16	1 038 885 M1	Gasket.....	1
17	1 036 991 M91	Handle Assembly.....	1
18	1 036 992 M1	Bumper.....	1
19	1 036 993 M1	Bushing.....	2
20	1 036 994 M1	Ring.....	1
21	1 036 995 M1	Key.....	1
30	1 037 003 M1	Seal.....	1
31	1 037 004 M1	Shim.....	x
32	1 038 490 M1	Carrier.....	1
33	1 037 006 M1	Pulley.....	1
34	391 364 X1	Screw (6MM x 20MM Fill. Hd. Sltd.).....	4
35	339 666 X1	Screw (6MM x 2MM, Hex.).....	3
36	339 375 X1	Washer (6MM, Lock).....	7
40	1 038 266 M1	Wrench.....	1
41	1 038 267 M1	Wrench.....	1
42	1 038 268 M1	Socket.....	1
43	1 038 269 M1	Bar.....	1
45	1 039 390 M1	Socket.....	1

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CARBURETOR

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(1 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.
	532 961 M91	Carburetor Assembly (Tillotson HR 162A).....	1
2		Body (Order 529 588 M91).....	1
3 (A)	1 037 609 M1	Plug.....	2
4 (A)	1 037 522 M1	Valve.....	1
5 (B)	1 037 496 M1	Packing.....	1
6 (B)	1 037 605 M1	Washer (3/16 x 5/16 x 1/32" Brass).....	1
7 (A)	1 037 494 M1	Spring.....	1
8	1 042 278 M1	Screw.....	1
9 (B)	1 037 497 M1	Packing.....	1
10 (B)	1 037 606 M1	Washer (3/16 x 17/64 x 1/64" Brass)	1
12 (A)	1 037 495 M1	Spring.....	1
13	1 037 493 M1	Screw.....	1
14	1 037 518 M1	Clip.....	1
15	353 444 X1	Washer (#8 Lock).....	1
16	353 712 X1	Screw (#8 x 5/16" NC, Sltd.).....	1
18	1 038 645 M1	Plate.....	1
19 (A)	1 040 532 M91	Screw Assembly (#4 x 1-1/4" NC, Locking).....	4
19 (C)		Screw Assembly (#4 x 1-1/4" NC, Non-Locking).....	2
20 (B)	1 037 531 M1	Gasket.....	1
23 (A)	1 037 526 M1	Spring.....	1
24	1 042 279 M91	Shaft Assembly.....	1
25 (A)	358 994 X1	Screw (#8 x 5/16" NC, Fill. Hd.).....	2
26 (A)	1 037 500 M1	Spring.....	1
27 (A)	1 037 499 M1	Screw.....	1
28	1 043 727 M91	Shaft Assembly.....	1
30	1 036 636 M91	Plate Assembly.....	1
31	1 040 532 M91	Screw Assembly (#4 x 1-1/4" NC, Locking).....	2
32	1 037 470 M1	Spring.....	1
33	1 037 469 M1	Ball.....	1
35	1 037 505 M91	Needle and Seat Assembly.....	1
36 (B)	1 037 507 M1	Gasket.....	1
37 (A)	1 037 508 M1	Spring.....	1
38 (A)	1 037 502 M1	Lever.....	1
39 (A)	1 037 503 M1	Pin.....	1
40 (A)	1 037 610 M1	Screw (#4 x 5/16" NC, Oval Hd.).....	1
41 (B)	1 037 479 M1	Gasket.....	1
42 (A)	1 037 478 M1	Diaphragm.....	1
43	1 042 277 M1	Cover.....	1
45 (B)	1 038 638 M1	Gasket.....	1
46 (A)	1 038 640 M1	Diaphragm.....	1
47	1 038 639 M1	Body.....	1
48 (B)	1 038 644 M1	Gasket.....	1
49 (A)	1 038 645 M1	Diaphragm.....	1
50	1 038 642 M1	Body.....	1
51	1 040 925 M1	Screw.....	6
52 (A)	1 037 489 M1	Screen.....	1
53 (B)	1 037 490 M1	Gasket.....	1
54	1 037 491 M1	Cover.....	1
55 (A)	375 213 X1	Screw (#6 x 1/2" NC, Sltd.).....	1
	836 852 M91	Kit, Repair (Incl. all Items marked "A").....	1
(A)	836 850 M91	Kit, Gasket (Incl. all Items marked "B").....	1
(B)	1 037 483 M1	Gasket, Fuel Pump.....	1

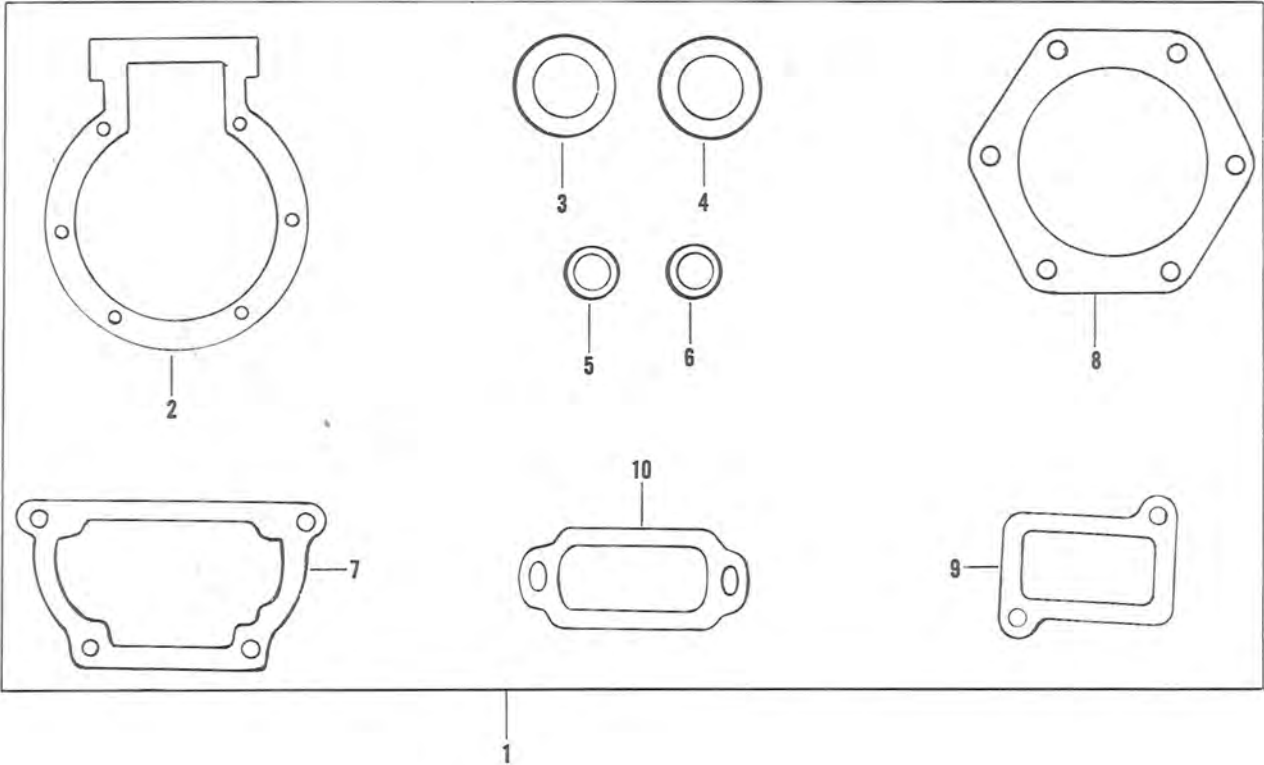
Notes: (C) - Included in 836 852 M91 Kit, but not required for this application.

GASKET KIT

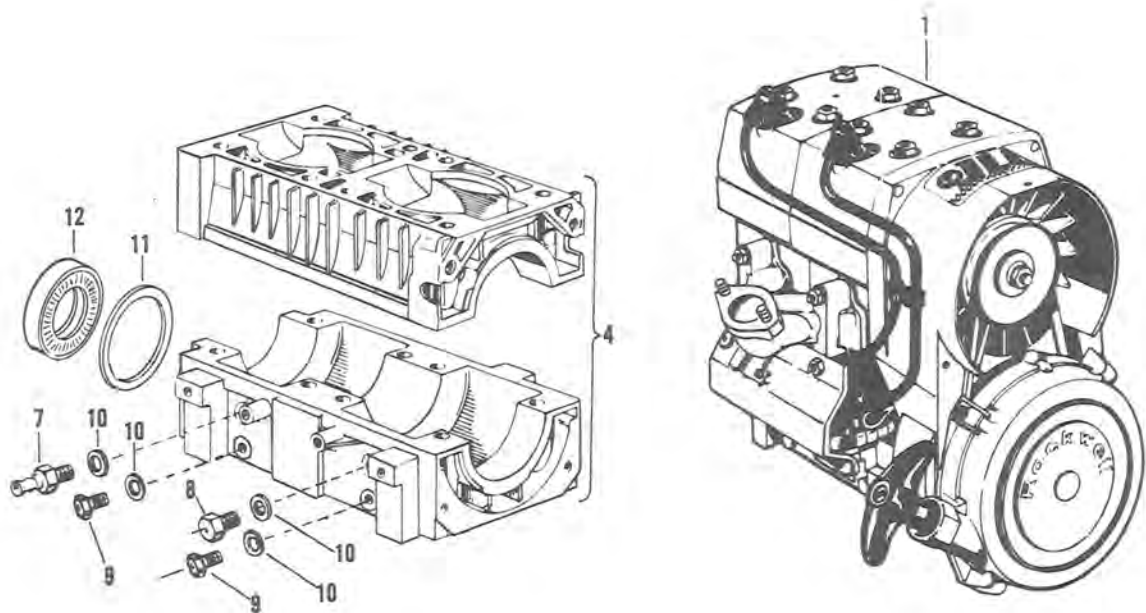
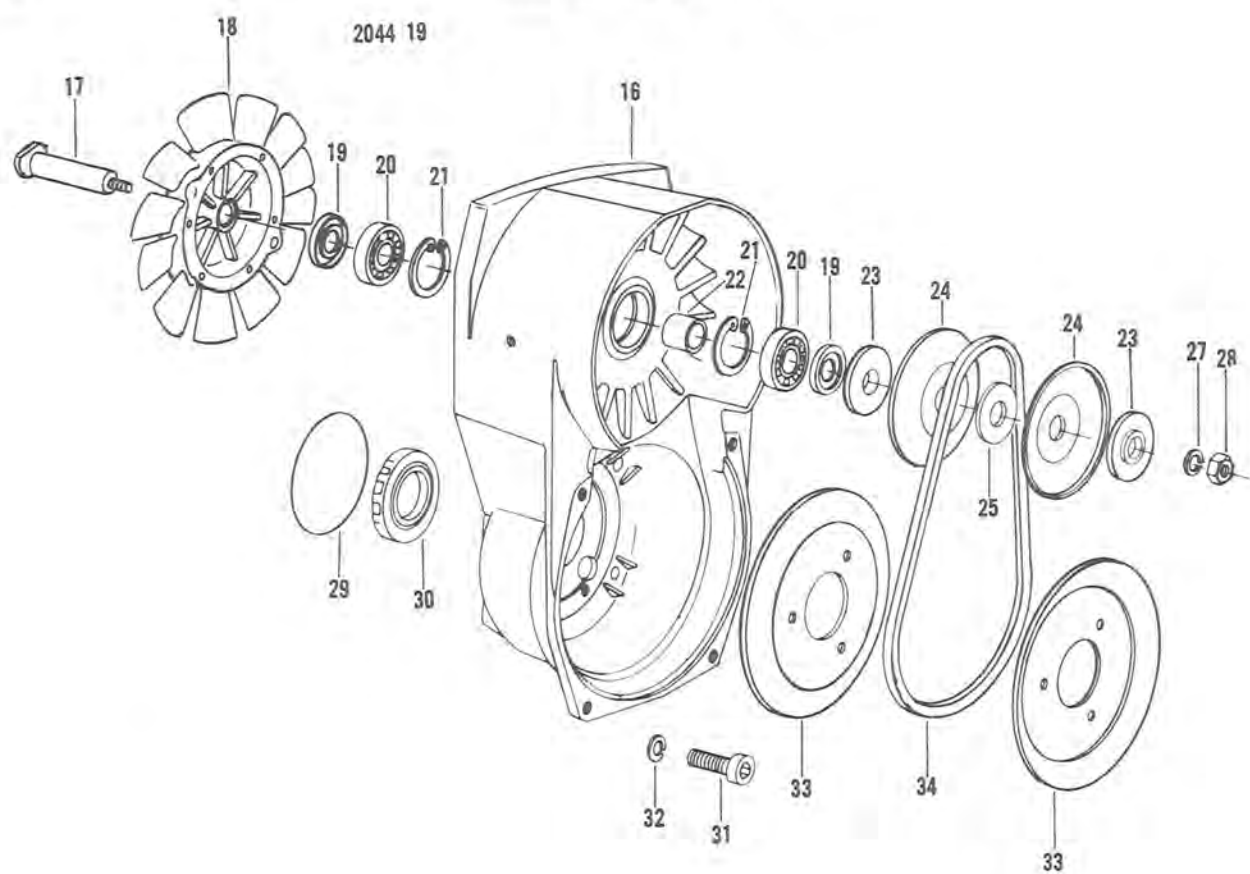
(1 CYLINDER ENGINE)

<u>Ref.</u> <u>No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No.</u> <u>Req.</u>
1	836 587 M91	Kit.....	1
2	1 036 967 M1	Gasket.....	1
3	1 038 457 M1	Seal.....	1
4	1 037 018 M1	Seal.....	1
5	391 376 X1	Gasket.....	1
6	1 440 993 X1	Gasket.....	1
7	1 036 974 M1	Gasket.....	1
8	1 038 468 M1	Gasket.....	1
9	1 037 100 M1	Gasket.....	2
10	1 038 464 M1	Gasket.....	2

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CRANKCASE AND FAN



CRANKCASE AND FAN

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(2 CYLINDER ENGINE)

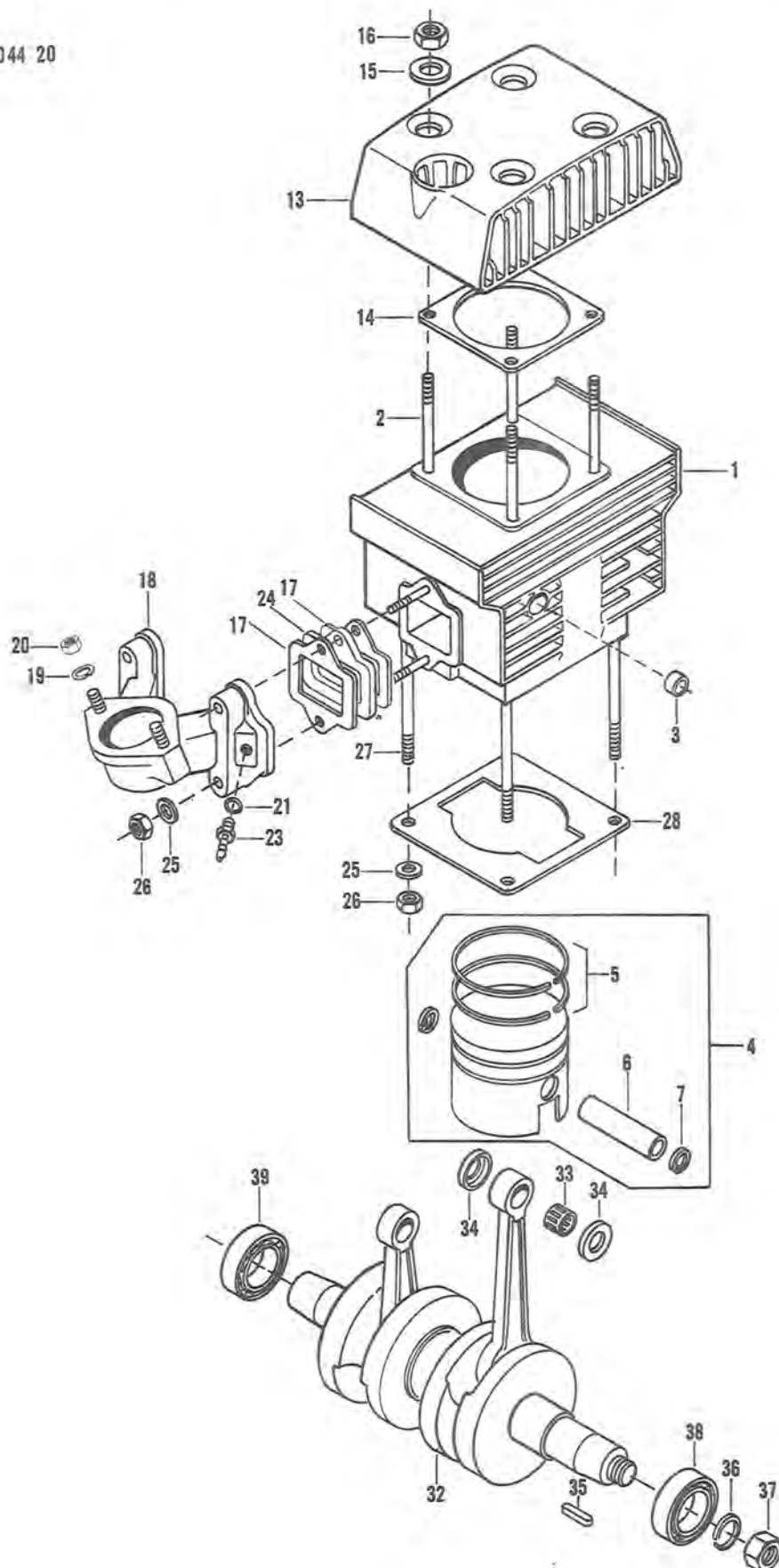
Ref. No.	Part No.	Description	2	3	3	4
			cc	cc	cc	cc
1	532 620 M91	Engine Assembly.....	1	-	-	-
1	532 621 M91	Engine Assembly.....	-	1	-	-
1	532 622 M91	Engine Assembly.....	-	-	1	-
1	532 623 M91	Engine Assembly.....	-	-	-	1
4	1 043 408 M91	Crankcase Assembly.....	1	1	1	1
7	1 040 836 M1	Nipple.....	1	1	1	1
8	1 037 534 M1	Plug.....	1	1	1	1
9	339 228 X1	Bolt.....	2	2	2	2
10	391 376 X1	Gasket.....	4	4	4	4
11	1 040 901 M1	Washer.....	1	1	1	1
12	1 442 080 X1	Seal.....	1	1	1	1
16	1 039 286 M1	Housing Assembly.....	1	1	1	1
17	1 039 288 M1	Shaft.....	1	1	1	1
18	1 043 439 M1	Fan.....	1	1	1	1
19	1 039 289 M1	Plate.....	2	2	2	2
20	1 442 075 X1	Bearing.....	2	2	2	2
21	1 039 392 M1	Ring.....	2	2	2	2
22	1 039 290 M1	Spacer.....	1	1	1	1
23	1 039 291 M1	Washer.....	2	2	2	2
24	1 040 846 M1	Pulley, Half.....	2	2	2	2
25	1 039 293 M1	Spacer.....	4	4	4	4
27	339 376 X1	Washer (B10 Din 127).....	1	1	1	1
28	1 440 219 X1	Nut (BN10 Din 439).....	1	1	1	1
29	1 039 393 M1	"O" Ring.....	1	1	1	1
30	1 441 720 X1	Seal.....	1	1	1	1
31	1 041 150 M1	Screw (M8 x 25 Din 7984).....	4	4	4	4
32	1 037 102 M1	Washer (8 Din 7980).....	4	4	4	4
33	1 043 440 M1	Pulley, Half.....	2	2	2	2
34	1 043 441 M1	"V" Belt.....	1	1	1	1

CYLINDER HEAD, PISTON AND CRANKSHAFT

(2 CYLINDER ENGINE)

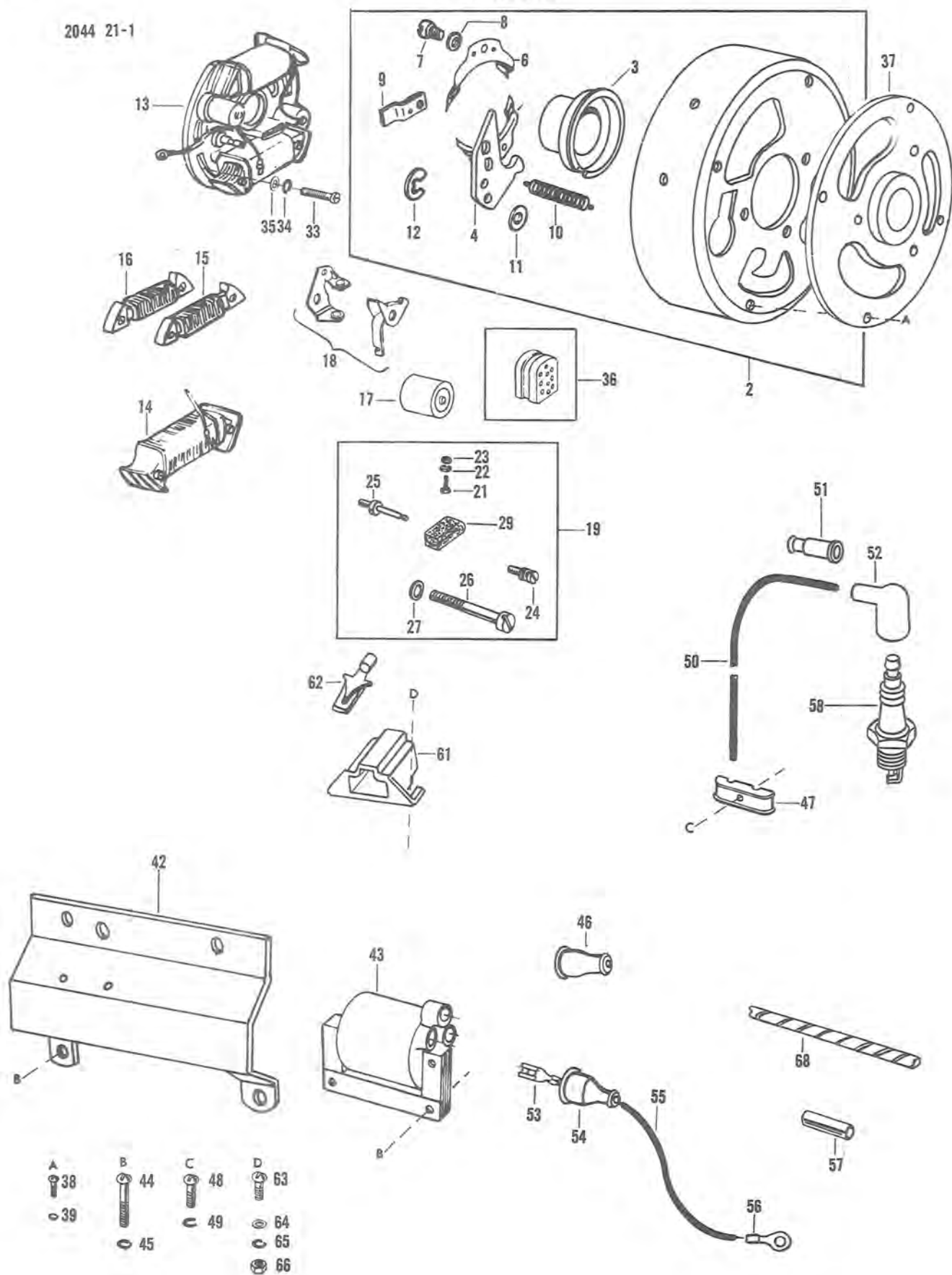
Ref. No.	Part No.	Description	2	3	3	4
			cc	cc	cc	cc
1	1 043 418 M91	Cylinder Assembly.....	2	-	-	-
2	1 043 127 M1	Stud.....	4	-	-	-
3	1 042 162 M1	Plug.....	2	-	-	-
4	1 043 410 M91	Piston Assembly.....	1	-	-	-
5	837 016 M91	Ring Set.....	1	-	-	-
6	1 043 417 M1	Pin.....	1	-	-	-
7	1 040 895 M1	Retainer.....	2	-	-	-
1	1 042 159 M91	Cylinder Assembly.....	-	2	-	-
2	1 043 127 M1	Stud.....	-	4	-	-
3	1 042 162 M1	Plug.....	-	2	-	-
4	1 043 411 M91	Piston Assembly.....	-	1	-	-
5	1 043 414 M1	Ring.....	-	2	-	-
6	1 039 265 M1	Pin.....	-	1	-	-
7	1 040 895 M1	Retainer.....	-	2	-	-
1	1 043 420 M91	Cylinder Assembly.....	-	-	2	-
2	1 043 127 M1	Stud.....	-	-	4	-
3	1 042 162 M1	Plug.....	-	-	2	-
4	1 043 412 M91	Piston Assembly.....	-	-	1	-
5	1 043 415 M1	Ring.....	-	-	2	-
6	1 039 265 M1	Pin.....	-	-	1	-
7	1 040 895 M1	Retainer.....	-	-	2	-
1	1 043 421 M91	Cylinder Assembly.....	-	-	-	2
2	1 043 127 M1	Stud.....	-	-	-	4
3	1 042 162 M1	Plug.....	-	-	-	2
4	1 043 413 M91	Piston Assembly.....	-	-	-	1
5	1 043 416 M1	Ring.....	-	-	-	2
6	1 039 265 M1	Pin.....	-	-	-	1
7	1 040 895 M1	Retainer.....	-	-	-	2
13	1 043 424 M1	Head.....	2	-	-	-
14	1 043 428 M1	Gasket.....	2	-	-	-
13	1 043 425 M1	Head.....	-	2	-	-
14	1 039 277 M1	Gasket.....	-	2	-	-
13	1 043 426 M1	Head.....	-	-	2	-
14	1 042 168 M1	Gasket.....	-	-	2	-
13	1 043 427 M1	Head.....	-	-	-	2
14	1 042 169 M1	Gasket.....	-	-	-	2
15	390 734 X1	Washer (10.5 x 21 x 2.5MM).....	8	8	8	8
16	339 402 X1	Nut (M10 Hex.).....	8	8	8	8
17	1 039 275 M1	Gasket.....	4	4	4	4
18	1 043 422 M91	Manifold Assembly.....	1	1	1	1
19	339 376 X1	Washer (10MM Lock).....	2	2	2	2
20	339 433 X1	Nut (10MM Hex.).....	2	2	2	2
21	1 042 165 M1	Gasket.....	2	2	2	2
23	1 042 164 M1	Nipple.....	2	2	2	2
24	1 043 423 M1	Flange.....	2	2	2	2
25	339 179 X1	Washer (8MM Cupped).....	12	12	12	12
26	339 169 X1	Nut (8MM Hex.).....	12	12	12	12
27	1 040 897 M1	Stud.....	8	8	8	8
28	1 039 273 M1	Gasket.....	2	2	2	2
32	1 043 409 M91	Crankshaft Assembly.....	1	1	1	1
33	1 042 154 M1	Bearing.....	2	2	2	2
34	1 042 155 M1	Retainer.....	4	4	4	4
35	1 037 019 M1	Key.....	1	1	1	1
36	339 378 X1	Washer (20MM Lock).....	1	1	1	1
37	1 037 535 M1	Nut (20MM Hex.).....	1	1	1	1
38	1 043 467 M1	Bearing.....	1	1	1	1
39	1 043 468 M1	Bearing.....	1	1	1	1

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ELECTRICAL

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ELECTRICAL

(2 CYLINDER ENGINE)

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Ref. No.	Part No.	Description	2 3 3 4			
			cc	cc	cc	cc
2	1 043 429 M91	Flywheel Assembly.....	1	1	1	1
3	1 043 430 M1	Cam.....	1	1	1	1
4	1 042 172 M1	Weight.....	1	1	1	1
	837 017 M91	Kit Assembly.....	1	1	1	1
6 (A)		Bracket.....	2	2	2	2
7 (A)		Screw (M5 x 6 Din 84).....	2	2	2	2
8	1 037 024 M1	Washer.....	2	2	2	2
9 (A)		Bracket.....	1	1	1	1
10 (A)		Spring.....	1	1	1	1
11	1 038 632 M1	Washer.....	1	1	1	1
12	1 037 446 M1	Retainer.....	1	1	1	1
13	1 043 431 M91	Armature Assembly.....	1	1	1	1
14	1 043 432 M1	Coil Lighting.....	1	1	1	1
15	1 043 433 M1	Coil (Generator Front).....	1	1	1	1
16	1 043 434 M1	Coil.....	1	1	1	1
17	1 042 177 M1	Condenser.....	2	2	2	2
18	1 043 435 M91	Point Set.....	2	2	2	2
19	837 018 M91	Kit Assembly.....	2	2	2	2
21 (B)		Screw (3 x 10MM Hex.).....	2	2	2	2
22 (B)		Washer.....	2	2	2	2
23 (B)		Nut (3MM Hex.).....	2	2	2	2
24 (B)		Screw.....	2	2	2	2
25 (B)		Post.....	1	1	1	1
26 (B)		Screw.....	4	4	4	4
27 (B)		Washer.....	2	2	2	2
28 (B)		Felt.....	1	1	1	1
33	390 958 X1	Screw.....	2	2	2	2
34	339 381 X1	Washer (5MM Lock).....	2	2	2	2
35	353 752 X1	Washer (#8 Lock).....	2	2	2	2
36	1 038 561 M1	Grommet.....	1	1	1	1
37	1 043 436 M1	Flange.....	1	1	1	1
38	339 359 X1	Screw (6 x 10MM Pan Hd.).....	4	4	4	4
39	1 440 998 X1	Washer (6.4MM Cupped).....	4	4	4	4
42	1 042 178 M1	Cover.....	1	1	1	1
43	1 037 042 M1	Coil.....	2	2	2	2
44	1 441 717 X1	Bolt (5 x 25MM Din 84).....	4	4	4	4
45	339 381 X1	Washer (5MM Lock).....	4	4	4	4
46	1 037 113 M1	Cap.....	2	2	2	2
47	1 040 844 M1	Clamp.....	1	1	1	1
48	391 364 X1	Screw.....	1	1	1	1
49	1 440 998 X1	Washer.....	1	1	1	1
50		Wire (14" Long)(Order 1038 564 M1).....	1	1	1	1
50	1 038 564 M1	Wire (20-7/16" Long).....	1	1	1	1
51	1 043 437 M1	Cap.....	2	2	2	2
52	1 043 438 M1	Connector.....	2	2	2	2
53	1 037 115 M1	Connector.....	1	1	1	1
54	1 037 135 M1	Cap.....	1	1	1	1
55 (C)	1 038 562 M1	Wire (110MM).....	1	1	1	1
56	1 037 116 M2	Connector.....	1	1	1	1
57	1 040 898 M1	Sleeve.....	1	1	1	1
58	1 039 395 M1	Spark Plug.....	2	2	2	2
61	1 039 282 M1	Plug.....	1	1	1	1
62	1 039 283 M1	Terminal.....	5	5	5	5
63	1 442 058 X1	Screw.....	2	2	2	2
64	353 752 X1	Washer (3/16" Small Flat).....	2	2	2	2
65	1 037 449 M1	Washer (B4 Din 125 Lock).....	2	2	2	2
66	1 441 555 X1	Nut (4MM Hex.).....	2	2	2	2
68	1 038 613 M1	Band.....	1	1	1	1

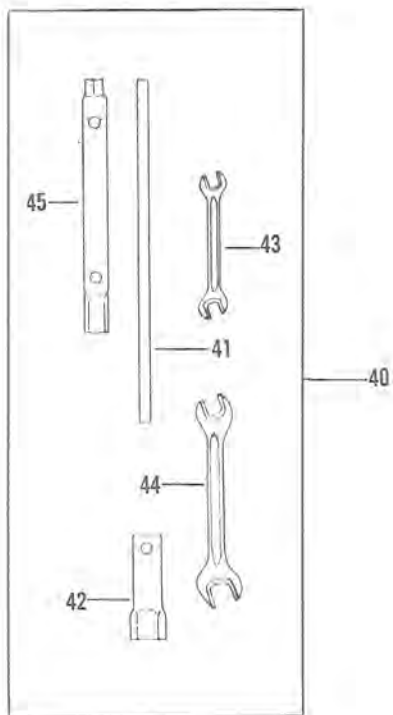
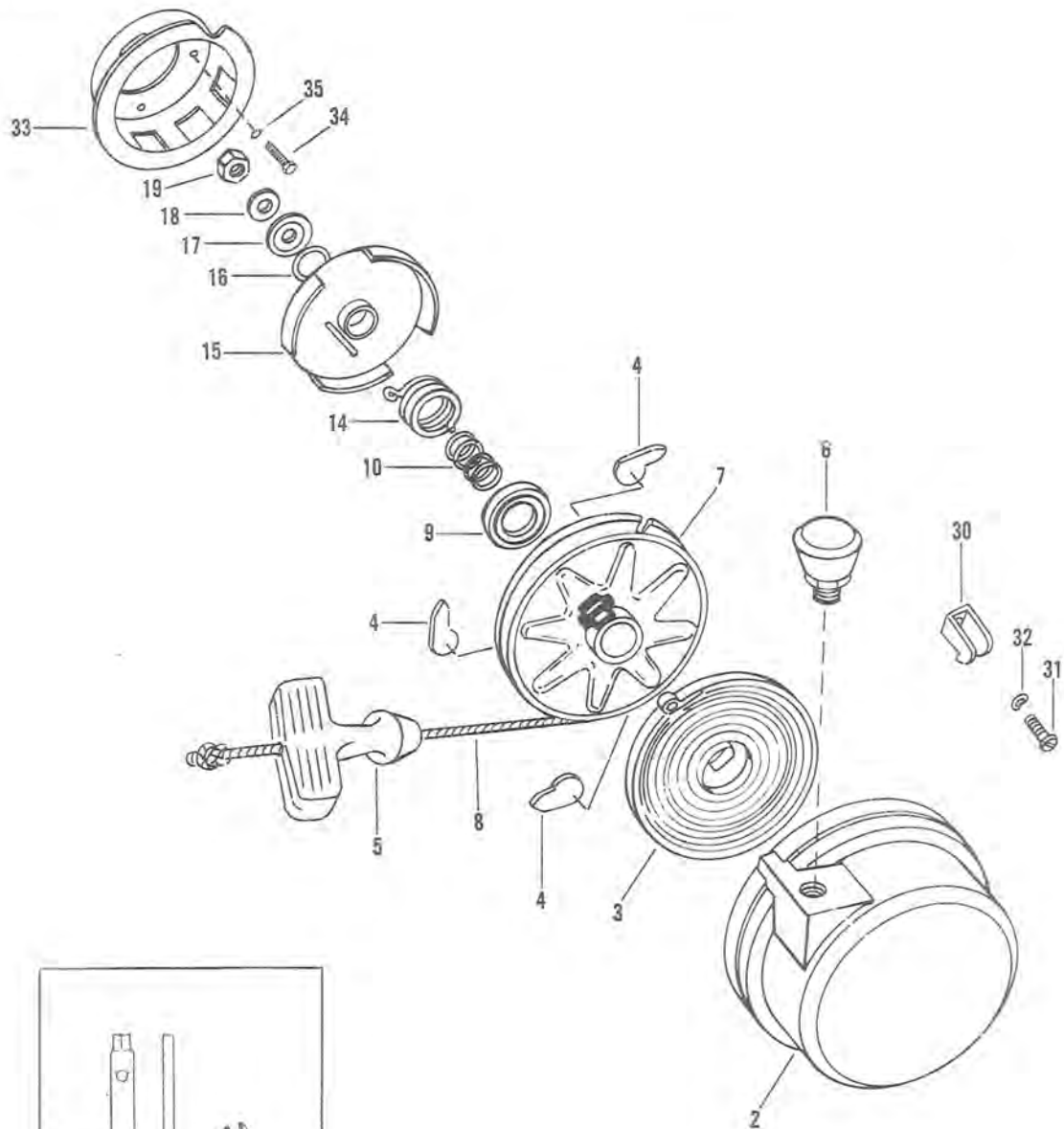
Notes: (A) - Order 837 017 M91 Kit.
 (B) - Order 837 018 M91 Kit.
 (C) - Order (1) 1038 474 M1 Wire and cut to desired length.

RECOIL STARTER AND TOOLS

(2 CYLINDER ENGINE)

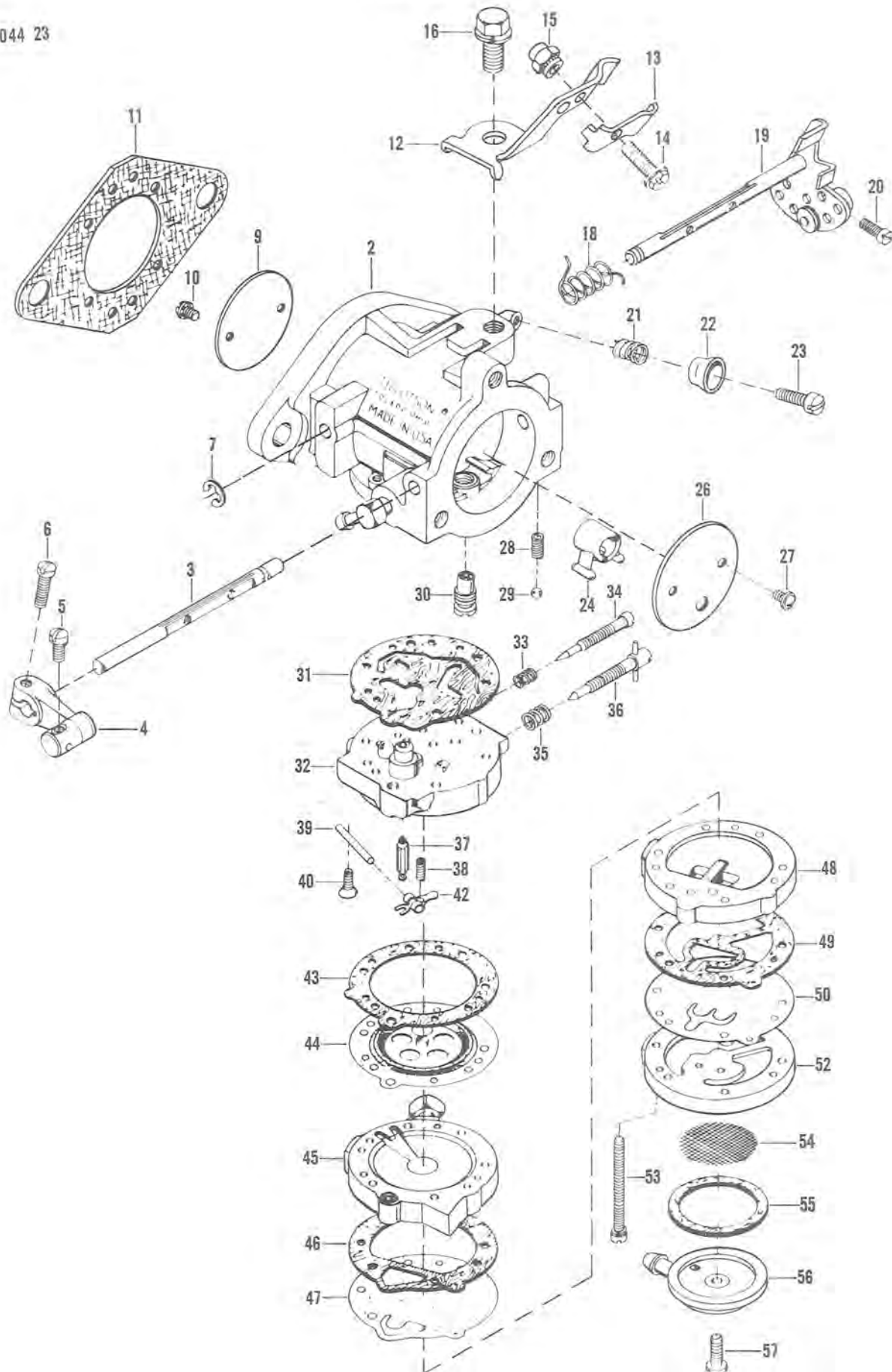
Ref. No.	Part No.	Description	No. Req.			
			2	3	3	4
			9	4	9	3
			2	0	9	8
			cc	cc	cc	cc
	1 043 442 M91	Recoil Assembly.....	1	1	1	1
2	1 043 443 M1	Housing.....	1	1	1	1
3	1 043 445 M1	Spring.....	1	1	1	1
4	1 043 449 M1	Pawl.....	3	3	3	3
5	1 043 448 M1	Handle.....	1	1	1	1
6	1 043 444 M1	Guide.....	1	1	1	1
7	1 043 446 M1	Pulley.....	1	1	1	1
8	1 043 447 M1	Rope.....	1	1	1	1
9	1 043 450 M1	Washer.....	1	1	1	1
10	1 043 451 M1	Spring.....	1	1	1	1
14	1 043 452 M1	Spring.....	1	1	1	1
15	1 043 453 M1	Plate.....	1	1	1	1
16	1 043 678 M1	Washer (.017").....	x	x	x	x
17	1 043 479 M1	Washer.....	1	1	1	1
18	1 043 480 M1	Washer.....	1	1	1	1
19	1 043 481 M1	Nut.....	1	1	1	1
30	1 040 849 M1	Clamp.....	4	4	4	4
31	390 965 X1	Screw.....	4	4	4	4
32	1 440 998 X1	Washer.....	4	4	4	4
33	1 043 454 M1	Carrier.....	1	1	1	1
34	339 560 X1	Screw.....	3	3	3	3
35	339 375 X1	Washer.....	3	3	3	3
40		Tool Kit.....	1	1	1	1
41	1 038 269 M1	Bar.....	1	1	1	1
42	1 039 394 M1	Socket.....	1	1	1	1
43	1 038 266 M1	Wrench.....	1	1	1	1
44	1 038 267 M1	Wrench.....	1	1	1	1
45	1 038 268 M1	Socket.....	1	1	1	1

2044 22-1



CARBURETOR

2044 23



CARBURETOR

47

(2 CYLINDER ENGINE)

			2	3
			9	4
			2	0
			CC	CC
Ref. No.	Part No.	Description		
1	532 628 M91	Carburetor Assembly (HRM - 1A).....	1	1
2		Body Assembly (Order 532 628 M91).....	1	1
3	1 043 721 M1	Shaft.....	1	1
4	526 772 M91	Lever Assembly.....	1	1
5 (A)	358 994 X1	Screw (#8 x 5/16" Fill. Hd.).....	1	1
6	1 040 922 M1	Screw.....	1	1
7	1 043 711 M1	Retainer.....	1	1
9	1 043 712 M1	Plate.....	1	1
10 (A)	1 040 532 M91	Screw & lockwasher Assembly.....	2	2
11 (B)	1 043 713 M1	Gasket.....	1	1
12	1 043 710 M91	Bracket Assembly.....	1	1
13	1 043 705 M1	Clamp.....	1	1
14	1 043 709 M1	Screw.....	1	1
15	1 043 706 M1	Nut.....	1	1
16	1 043 707 M91	Screw and lockwasher Assembly.....	1	1
18 (A)	1 043 715 M1	Spring.....	1	1
19	1 043 716 M91	Lever Assembly.....	1	1
20	358 994 X1	Screw.....	1	1
21 (A)	1 037 500 M1	Spring.....	1	1
22	1 043 145 M1	Cup.....	1	1
23 (A)	1 043 704 M1	Screw.....	1	1
24	1 043 718 M1	Venturi.....	1	1
26	1 043 722 M1	Plate.....	1	1
27	1 040 532 M91	Screw and lockwasher Assembly.....	2	2
28	1 037 470 M1	Spring.....	1	1
29	1 037 469 M1	Ball.....	1	1
30 (A)	1 043 719 M1	Valve.....	1	1
31 (B)	1 043 714 M1	Gasket.....	1	1
32	1 043 724 M1	Module.....	1	1
33 (A)	1 037 495 M1	Spring.....	1	1
34	1 043 720 M1	Screw.....	1	1
35 (A)	1 037 494 M1	Spring.....	1	1
36	1 043 725 M1	Screw.....	1	1
37	1 043 708 M1	Needle.....	1	1
38 (A)	1 037 508 M1	Spring.....	1	1
39 (A)	1 037 503 M1	Pin.....	1	1
40 (A)	1 037 610 M1	Screw.....	1	1
42 (A)	1 039 556 M1	Lever.....	1	1
43 (B)	1 037 479 M1	Gasket.....	1	1
44 (A)	1 037 478 M1	Diaphragm.....	1	1
45	1 043 723 M1	Cover.....	1	1
46 (B)	1 038 638 M1	Gasket.....	1	1
47 (A)	1 038 640 M1	Diaphragm.....	1	1
48	1 038 639 M1	Body.....	1	1
49 (B)	1 038 644 M1	Gasket.....	1	1
50 (A)	1 038 643 M1	Diaphragm.....	1	1
52	1 038 642 M1	Body.....	1	1
53	1 043 717 M1	Screw.....	6	6
54 (A)	1 037 489 M1	Screen.....	1	1
55 (B)	1 037 490 M1	Gasket.....	1	1
56	1 037 491 M1	Cover.....	1	1
57	375 213 X1	Screw.....	1	1
	837 037 M91	Kit, Repair (Incl. all items marked "A").....	1	1
(A)	837 036 M91	Kit, Gasket (Incl. all items marked "B").....	1	1

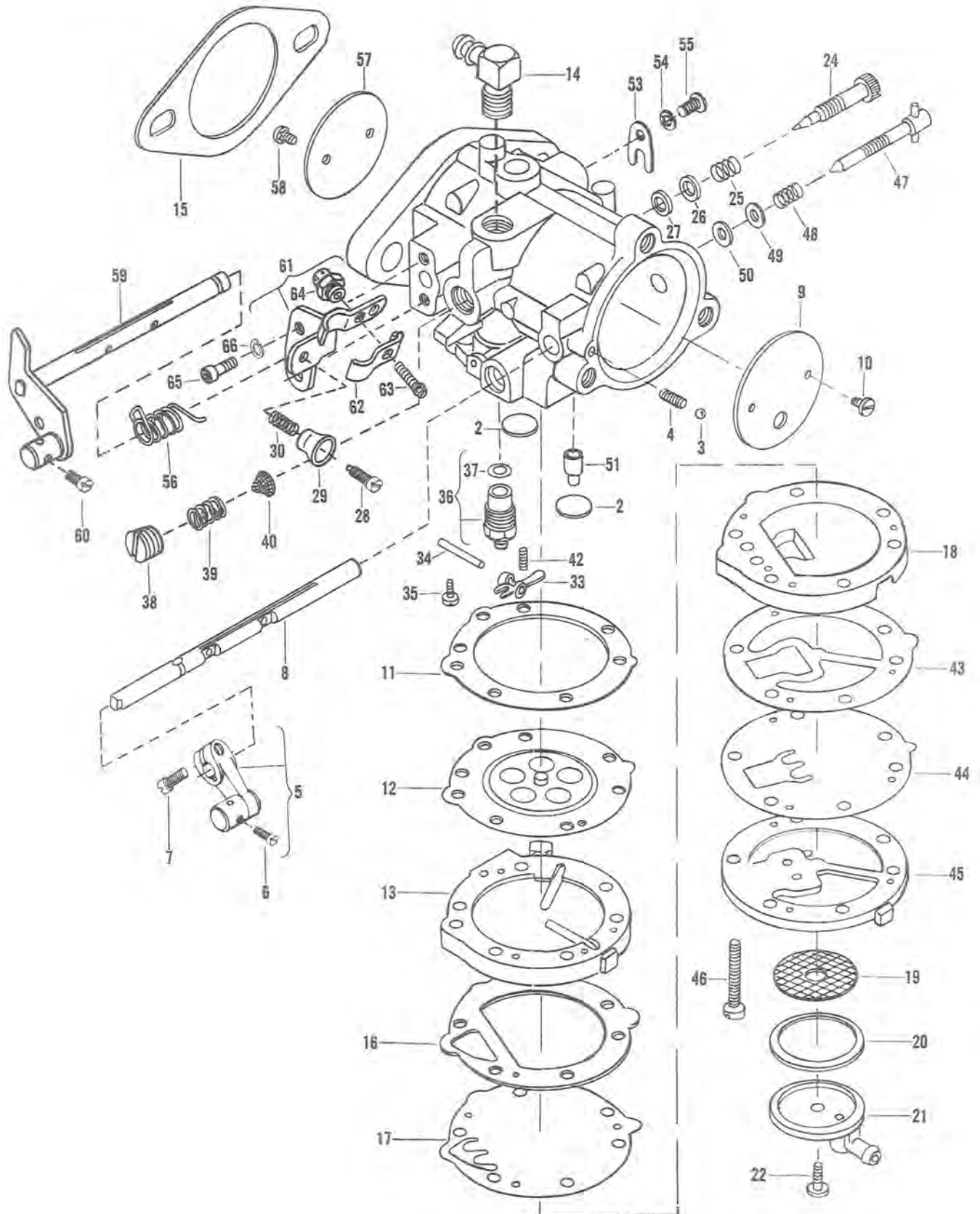
CARBURETOR

(2 CYLINDER ENGINE)

Ref- No.	Part No.	Description	3 9 9 cc	4 3 8 cc
	532 629 M91	Carburetor Assembly (HD - 136A).....	1	1
2 (A)	1 037 608 M1	Plug.....	2	2
3	1 037 469 M1	Ball.....	1	1
4	1 037 470 M1	Spring.....	1	1
5	1 043 143 M91	Lever Assembly.....	1	1
6 (A)	358 994 X1	Screw (#8 x 5/16" Fill. Hd.).....	1	1
7	1 040 922 M1	Screw.....	1	1
8	1 043 670 M1	Shaft.....	1	1
9	1 042 267 M1	Plate.....	1	1
10	1 040 532 M91	Screw and Lockwasher Assembly.....	2	2
11 (B)	1 037 476 M1	Gasket.....	1	1
12 (A)	1 037 475 M1	Diaphragm.....	1	1
13	1 037 671 M1	Cover.....	1	1
14	1 039 551 M1	Elbow.....	1	1
15 (B)	1 037 530 M1	Gasket.....	1	1
16 (B)	1 037 482 M1	Gasket.....	1	1
17 (A)	1 037 486 M1	Diaphragm.....	1	1
18	1 037 484 M1	Body.....	1	1
19 (A)	1 037 489 M1	Screen.....	1	1
20 (B)	1 037 490 M1	Gasket.....	1	1
21	1 037 491 M1	Cover.....	1	1
22 (A)	375 213 X1	Screw.....	1	1
24	1 037 492 M1	Screw.....	1	1
25 (A)	1 037 494 M1	Spring.....	1	1
26 (B)	1 037 605 M1	Washer.....	1	1
27 (B)	1 037 496 M1	Packing.....	1	1
28 (A)	1 037 498 M1	Screw.....	1	1
29	1 043 145 M1	Cup.....	1	1
30 (A)	1 037 500 M1	Spring.....	1	1
33 (A)	1 039 556 M1	Lever.....	1	1
34 (A)	1 037 503 M1	Pin.....	1	1
35 (A)	1 037 610 M1	Screw.....	1	1
36	1 039 557 M91	Inlet Assembly.....	1	1
37 (B)	1 037 506 M1	Gasket.....	1	1
38	355 547 X1	Plug.....	1	1
39 (A)	1 038 147 M1	Spring.....	1	1
40 (A)	1 038 146 M1	Screen.....	1	1
42 (A)	1 037 508 M1	Spring.....	1	1
43 (B)	1 037 512 M1	Gasket.....	1	1
44 (A)	1 037 511 M1	Diaphragm.....	1	1
45	1 037 510 M1	Body.....	1	1
46	350 099 X1	Screw and Lockwasher Assembly.....	6	6
47	1 043 673 M1	Screw.....	1	1
48 (A)	1 037 494 M1	Spring.....	1	1
49	1 037 605 M1	Washer.....	1	1
50	1 037 496 M1	Packing.....	1	1
51	1 043 674 M1	Valve.....	1	1
53	1 037 517 M1	Clip.....	1	1
54	353 444 X1	Washer (5/32" Lock).....	1	1
55	363 712 X1	Screw.....	1	1
56 (A)	1 043 676 M1	Spring.....	1	1
57	1 037 527 M1	Plate.....	1	1
58 (A)	1 040 532 M91	Screw (#4 x 1/4" Rd. Hd. w/Lockwasher).....	2	2
59	1 043 675 M91	Shaft Assembly.....	1	1
60 (A)	358 994 X1	Screw (#8 x 5/16" Fill. Hd.).....	1	1
61	1 043 672 M91	Bracket Assembly.....	1	1
62	1 043 705 M1	Clip.....	1	1
63	1 043 709 M1	Screw.....	1	1
64	1 043 706 M1	Nut.....	1	1
65	357 432 X1	Screw.....	2	2
66	353 444 X1	Washer (5/32" Lock).....	2	2
(C)	837 039 M91	Kit, Repair (Incl. all Items marked "A").....	1	1
	836 851 M91	Kit, Gasket (Incl. all Items marked "B").....	1	1

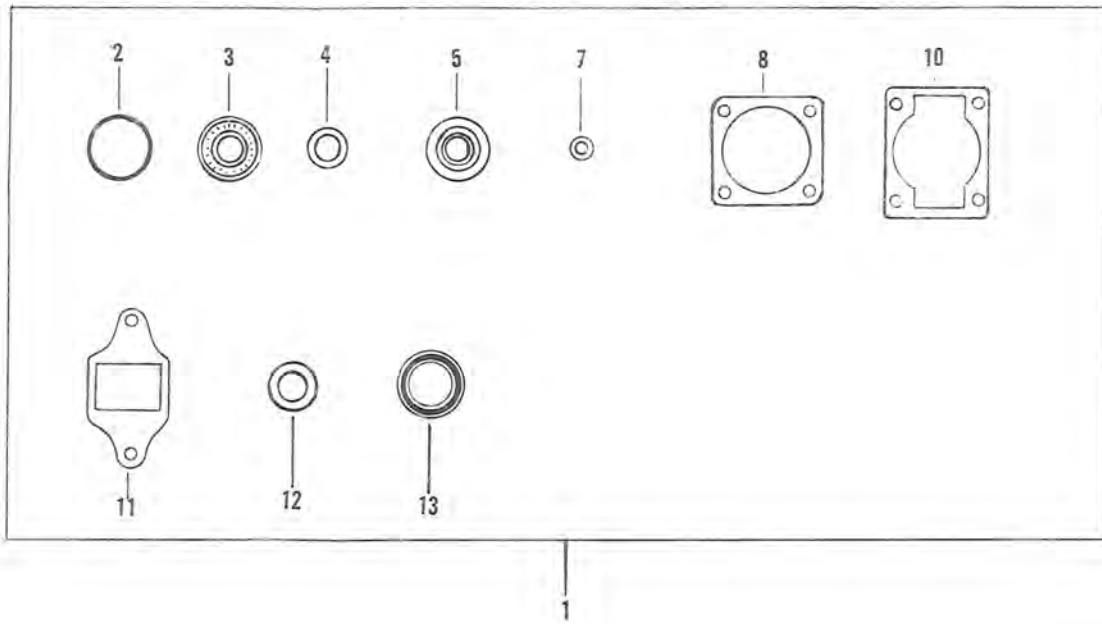
Notes: (C) - Kit may include parts not required in this application.

2044 24-1



GASKET KIT

2044 25



GASKET KIT (2 CYLINDER ENGINE)

51

Ref. No.	Part No.	Description	2 3 3 4			
			9 4 9 3	2 0 9 8	cc cc cc cc	
1	836 965 M91	Kit.....	1	1	-	-
2	1 039 393 M1	"O" Ring, Fan Housing.....	1	1	-	-
3	1 442 080 X1	Seal, Crankshaft (Manual Start).....	1	1	-	-
4	1 039 468 M1	Seal, Crankshaft (Electric Start).....	1	1	-	-
5	1 441 720 X1	Seal, Fan Housing.....	1	1	-	-
7	391 376 X1	Gasket, Impulse Nipple.....	4	4	-	-
8	1 043 428 M1	Gasket, Head.....	2	-	-	-
8	1 039 277 M1	Gasket, Head.....	-	2	-	-
10 (A)		Gasket, Cylinder Base (.012") (Red).....	2	2	-	-
10	1 039 273 M1	Gasket, Cylinder Base (.020") (Black).....	2	2	-	-
10 (A)		Gasket, Cylinder Base (.030") (Light Green).....	2	2	-	-
10 (A)		Gasket, Cylinder Base (.040") (Dark Green).....	2	2	-	-
11	1 039 275 M1	Gasket, Intake.....	2	2	-	-
12	1 042 165 M1	Gasket, Primer Nipple.....	2	2	-	-
13	1 043 158 M1	Seal, Crankshaft, Oil (Electric Start).....	1	1	-	-
1	836 966 M91	Kit.....	-	-	1	1
2	1 039 393 M1	"O" Ring, Fan Housing.....	-	-	1	1
3	1 442 080 X1	Seal, Crankshaft (Manual Start).....	-	-	1	1
4	1 039 468 M1	Seal, Crankshaft (Electric Start).....	-	-	1	1
5	1 441 720 X1	Seal, Fan Housing.....	-	-	1	1
7	391 376 X1	Gasket, Impulse Nipple.....	-	-	4	4
8	1 042 168 M1	Gasket, Head.....	-	-	2	-
8	1 042 169 M1	Gasket, Head.....	-	-	-	2
10 (A)		Gasket, Cylinder Base (.012") (Red).....	-	-	2	2
10	1 039 273 M1	Gasket, Cylinder Base (.020") (Black).....	-	-	2	2
10 (A)		Gasket, Cylinder Base (.030") (Light Green).....	-	-	2	2
10 (A)		Gasket, Cylinder Base (.040") (Dark Green).....	-	-	2	2
11	1 039 275 M1	Gasket, Intake.....	-	-	4	4
12	1 042 165 M1	Gasket, Primer Nipple.....	-	-	2	2
13	1 043 158 M1	Seal, Crankshaft, Oil (Electric Start).....	-	-	1	1

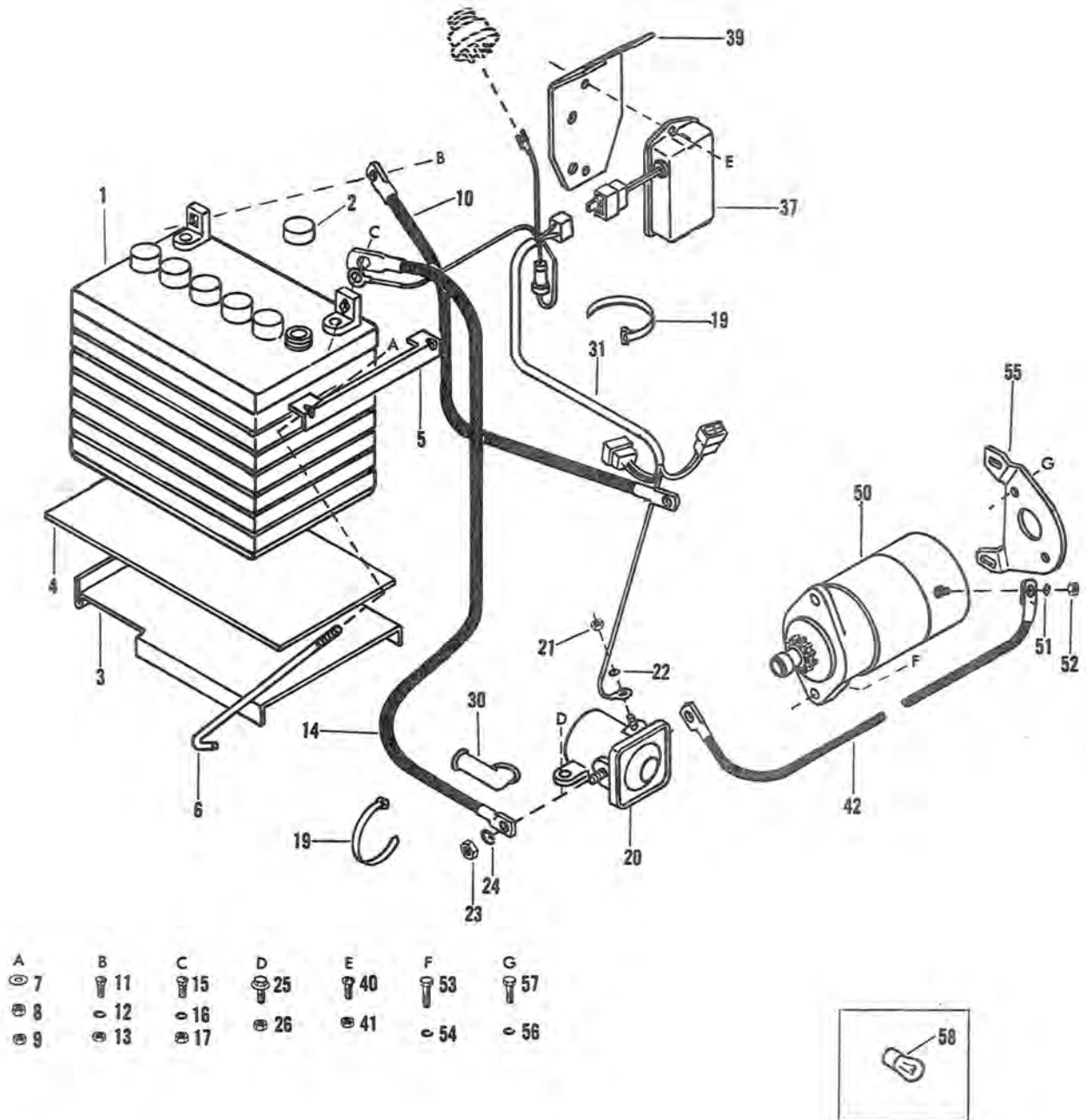
Note: (A) - Not used in this application.

ELECTRIC START KIT

(1 CYLINDER ENGINE)
(10 166 A91)

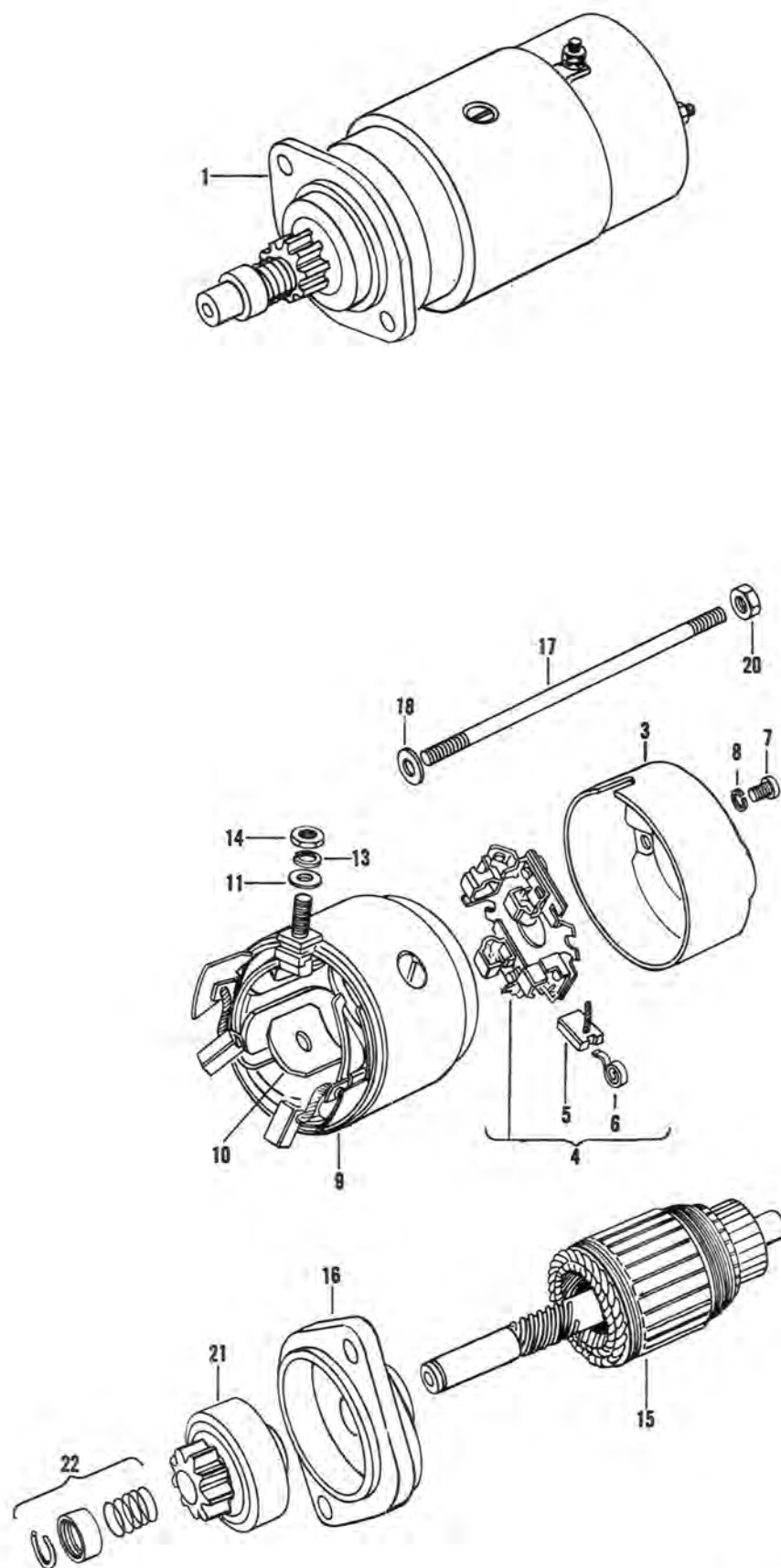
Ref. No.	Part No.	Description	No. Req.
1	514 211 M2	Battery.....	1
2	1 037 434 M1	Cap.....	6
3	530 219 M1	Platform.....	1
4	519 798 M1	Pad.....	1
5	522 218 M1	Bracket.....	1
6	530 218 M1	Rod.....	2
7	353 754 X1	Washer (1/4" Flat).....	2
8	355 564 X1	Nut (1/4" NC, Hex.).....	2
9	375 107 X1	Nut (1/4" NC, Half Hex.).....	2
10	519 796 M91	Cable Assembly.....	1
11	364 943 X1	Bolt (1/4 x 3/4" NC, Carr.).....	1
12	353 441 X1	Washer (1/4" Lock).....	1
13	355 564 X1	Nut (1/4" NC, Hex.).....	1
14	521 990 M91	Cable Assembly.....	1
15	364 352 X1	Bolt (5/16 x 3/4" NC, Carr.).....	1
16	353 446 X1	Washer (5/16" Lock).....	1
17	355 565 X1	Nut (5/16" NC, Hex.).....	1
19	515 103 M1	Strap.....	3
20	530 221 M91	Solenoid Assembly.....	1
21	358 990 X1	Nut (#10 NF, Hex.).....	1
22	353 445 X1	Washer (#10 Lock).....	1
23	353 917 X1	Nut (5/16" NF, Hex.).....	2
24	353 446 X1	Washer (5/16" Lock).....	2
25	365 183 X1	Screw (1/4 x 1/2" NC, Hex. Lock).....	2
26	365 180 X1	Nut (1/4" NC, Hex. Lock).....	2
30	512 177 M1	Boot.....	3
31	530 184 M91	Harness Assembly.....	1
37	530 220 M1	Regulator.....	1
39	530 217 M3	Bracket.....	1
40	353 982 X1	Screw (#10 x 1/2" NC, Sltd.).....	2
41	364 869 X1	Nut (#10 NC, Hex.).....	2
42	523 385 M91	Cable Assembly.....	1
50		Starter Assembly (See Page 55).....	1
51	353 441 X1	Washer (1/4" Lock).....	1
52	355 564 X1	Nut (1/4" NC, Hex.).....	1
53	522 183 M1	Bolt (8MM, Special).....	2
54	353 446 X1	Washer (5/16" Lock).....	2
55	522 541 M1	Bracket.....	1
56	353 445 X1	Washer (#10 Lock).....	2
57	390 995 X1	Bolt (M5 x 0.8).....	2
58	1 041 949 M1	Bulb (35 Watt).....	2

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STARTER MOTOR

2044 27



STARTER MOTOR

55

(1 CYLINDER ENGINE)

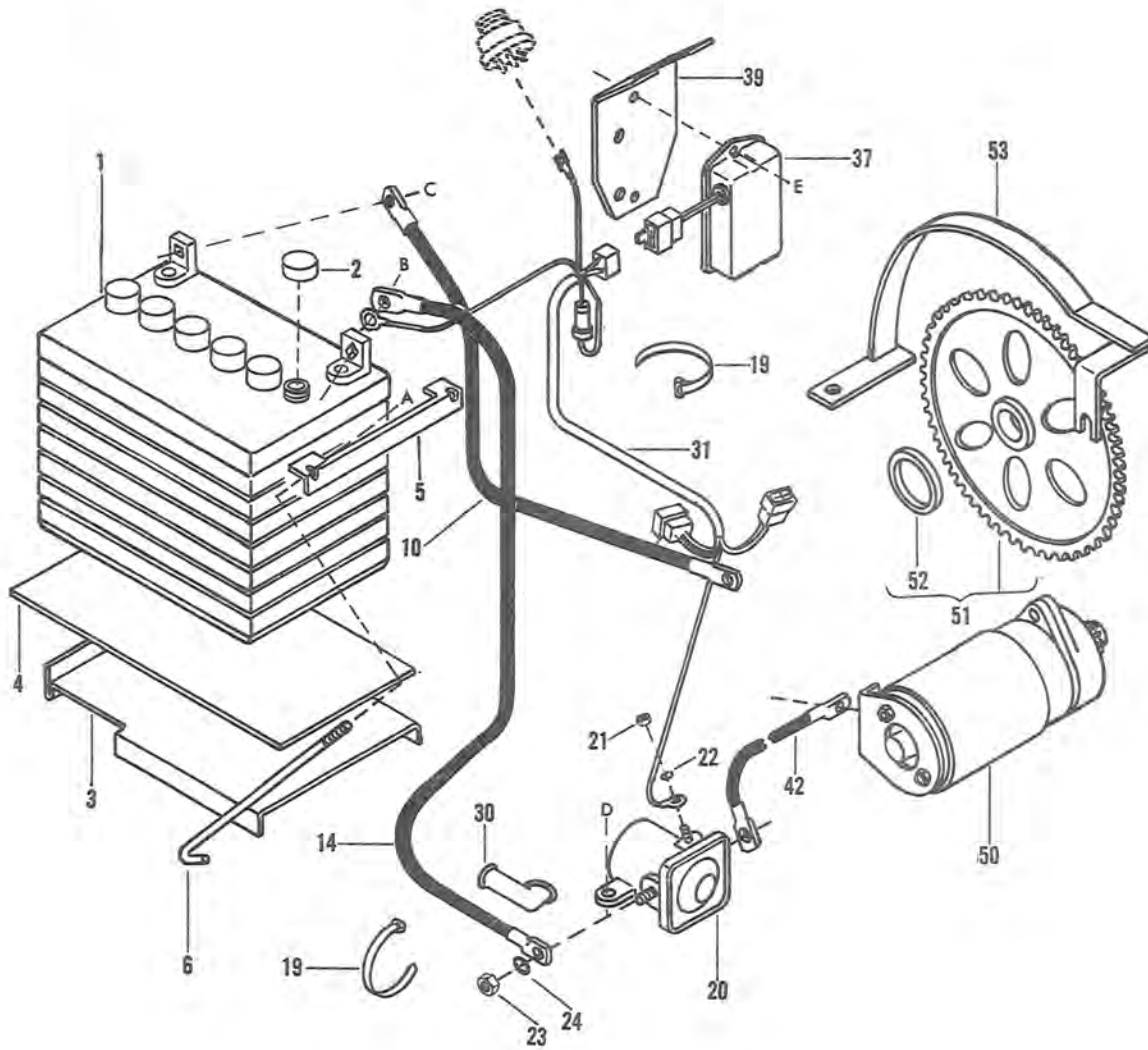
Ref. No.	Part No.	Description	No. Req.	
			M92	M91
1	530 225 M92	Starter Assembly.....	1	-
1	530 225 M91	Starter Assembly.....	-	1
3	1 041 978 M1	Frame.....	1	1
4	1 041 979 M91	Plate and Brush Assembly.....	1	1
5	1 041 980 M1	Brush Set (4 Brushes).....	1	1
6		Spring (Order 1041 979 M91).....	4	4
7	339 112 X1	Screw (M4 x 12MM Rd. Hd.).....	2	2
8	353 445 X1	Washer (#10 Lock).....	2	2
9	1 044 719 M91	Frame and Field Assembly.....	1	-
9	1 041 986 M91	Frame and Field Assembly.....	-	1
10		Coil Assembly (Order 1044 719 M91 or 1041 986 M91).....	1	1
11	353 754 X1	Washer (1/4" Flat).....	1	1
13	353 441 X1	Washer (1/4" Lock).....	2	2
14	355 564 X1	Nut (1/4" NC, Hex.).....	2	2
15	1 044 720 M91	Armature Assembly.....	1	-
15	1 041 983 M91	Armature Assembly.....	-	1
16	1 041 982 M1	Frame.....	1	1
17	1 041 981 M1	Bolt.....	2	2
18	353 753 X1	Washer (#10 Flat).....	2	2
20	358 990 X1	Nut (#10 NF, Hex.).....	2	2
21	1 044 721 M91	Drive Assembly.....	1	-
21	1 041 984 M91	Drive Assembly.....	-	1
22	1 041 985 M91	Collar Assembly.....	1	1
	836 978 M91	Kit, Thrust Washer (Not Illustrated).....	x	x

ELECTRIC START KIT

(2 CYLINDER ENGINE)
(10 167 A91)

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No. Req.</u>
1	514 211 M2	Battery.....	1
2	1 037 434 M1	Cap.....	6
3	530 219 M1	Platform.....	1
4	519 798 M1	Pad.....	1
5	522 218 M1	Bracket.....	1
6	530 218 M1	Rod.....	2
7	353 754 X1	Washer (1/4" Flat).....	2
8	355 564 X1	Nut (1/4" NC, Hex.).....	2
9	375 107 X1	Nut (1/4" NC, Half Hex.).....	2
10	519 796 M91	Cable Assembly.....	1
11	364 943 X1	Bolt (1/4 x 3/4" NC, Carr.).....	1
12	353 441 X1	Washer (1/4" Lock).....	1
13	355 564 X1	Nut (1/4" NC, Hex.).....	1
14	521 990 M91	Cable Assembly.....	1
15	364 352 X1	Bolt (5/16 x 3/4" NC, Carr.).....	1
16	353 446 X1	Washer (5/16" Lock).....	1
17	355 565 X1	Nut (5/16" NC, Hex.).....	1
19	515 103 M1	Strap.....	3
20	530 221 M91	Solenoid Assembly.....	1
21	358 990 X1	Nut (#10 NF, Hex.).....	1
22	353 445 X1	Washer (#10 Lock).....	1
23	353 967 X1	Nut (5/16" NC, Hex.).....	2
24	353 446 X1	Washer (5/16" Lock).....	2
25	365 183 X1	Screw (1/4 x 1/2" NC, Hex. Lock).....	2
26	365 180 X1	Nut (1/4" NC, Hex. Lock).....	2
30	512 177 M1	Boot.....	3
31	530 184 M91	Harness Assembly.....	1
37	530 220 M1	Regulator.....	1
39	530 217 M3	Bracket.....	1
40	353 982 X1	Screw (#10 - 1/2" NC, Sltd.).....	2
41	364 869 X1	Nut (#10 NC, Hex.).....	2
42	523 385 M91	Cable Assembly.....	1
50		Starter Assembly (See Page 59).....	1
51	532 686 M91	Gear Assembly.....	1
52	1 043 158 M1	Seal.....	1
53	533 168 M91	Guard.....	1

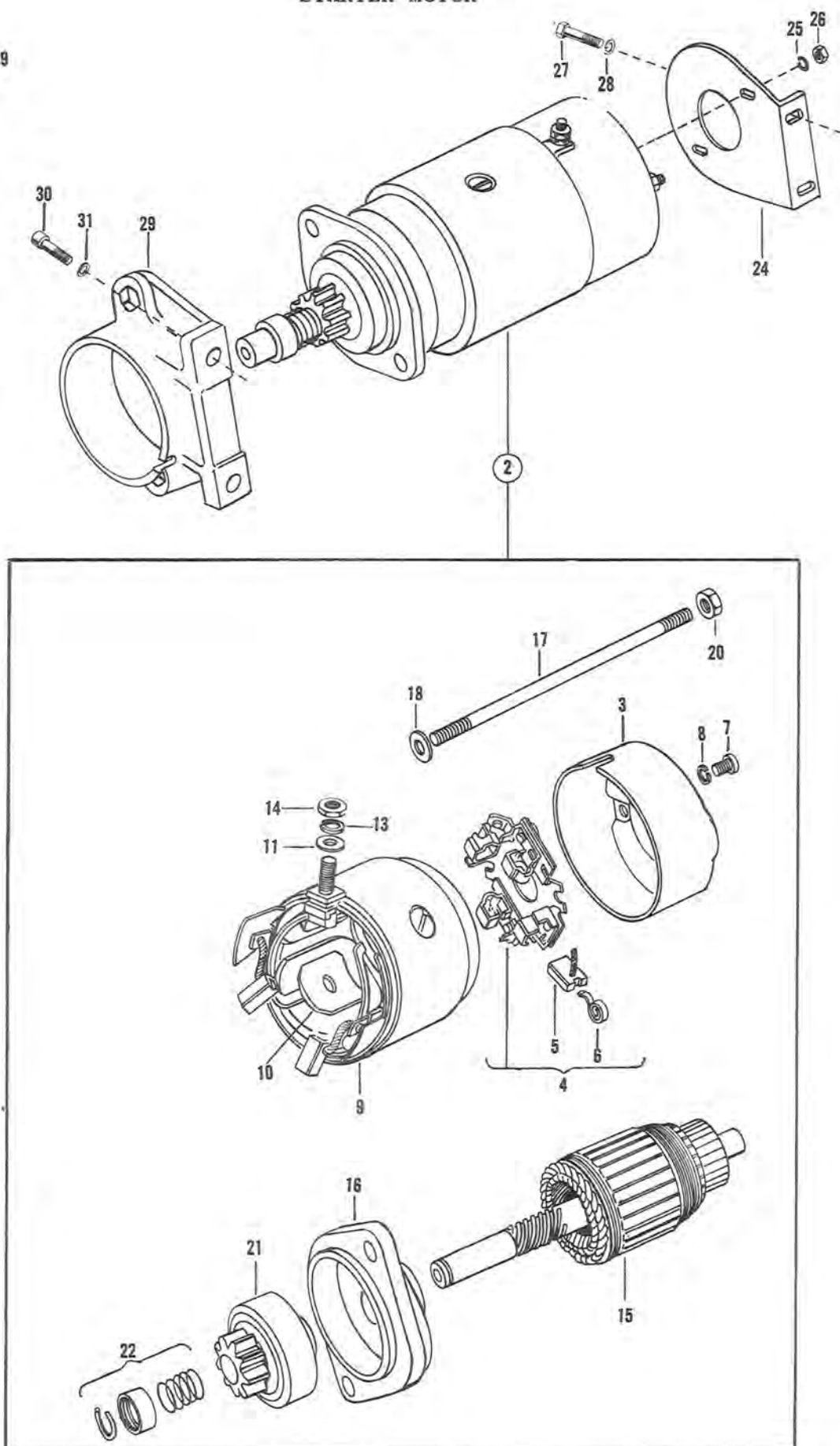
2044 28-1



A	B	C	D	E
7	11	15	25	40
8	12	16	26	41
9	13	17		

STARTER MOTOR

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STARTER MOTOR

59

(2 CYLINDER ENGINE)

Ref. No.	Part No.	Description	No. Req.
2	1 042 185 M91	Motor Assembly.....	1
3	1 041 978 M1	Frame.....	1
4	1 041 979 M91	Plate and Brush Assembly.....	1
5	1 041 980 M1	Brush Set (4 Brushes).....	1
6		Spring (Order 1041 979 M91).....	4
7	339 112 X1	Screw (M4 x 12MM Rd. Hd.).....	2
8	353 445 X1	Washer (#10 Lock).....	2
9	1 042 186 M91	Frame and Field Assembly.....	1
10	1 042 187 M91	Coil Assembly.....	1
11	353 754 X1	Washer (1/4" Flat).....	1
13	353 441 X1	Washer (1/4" Lock).....	2
14	355 564 X1	Nut (1/4" NC, Hex.).....	2
15	1 042 188 M91	Armature Assembly.....	1
16	1 041 982 M1	Frame.....	1
17	1 041 981 M1	Bolt.....	2
18	353 753 X1	Washer (#10 Flat).....	2
20	358 990 X1	Nut (#10 - NF, Hex.).....	2
21	1 042 189 M91	Drive Assembly.....	1
22	1 042 190 M91	Collar Assembly.....	1
24	1 042 221 M1	Bracket.....	1
25	353 445 X1	Washer (#10 Lock).....	2
26	358 990 X1	Nut (#10 NF, Hex.).....	2
27	339 560 X1	Screw (M6 x 16MM Hex.).....	2
28	353 441 X1	Washer (1/4" Lock).....	2
29	1 042 222 M1	Bracket.....	1
30	391 979 X1	Screw (M6 x 20MM Sckt. Hd.).....	2
31	339 375 X1	Washer (M6 Lock).....	2
	836 978 M91	Kit, Thrust Washer (Not Illustrated).....	x

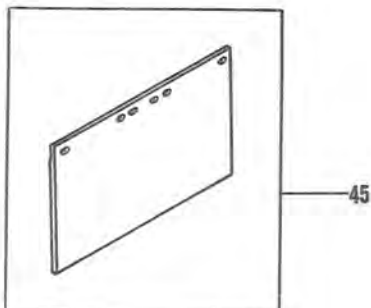
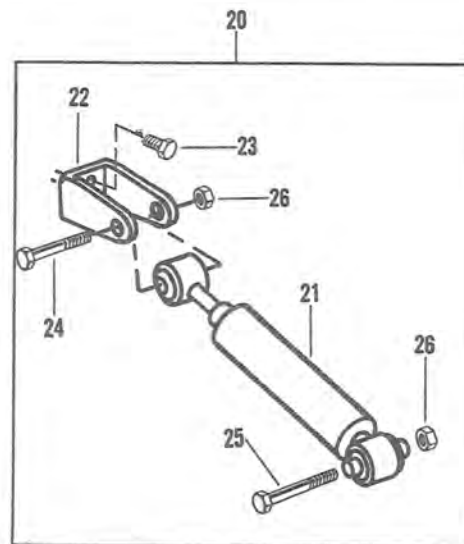
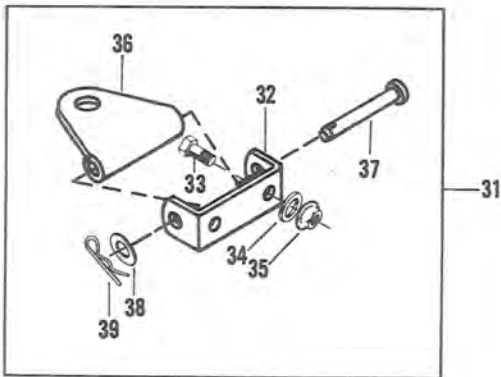
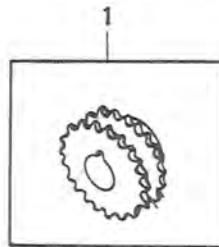
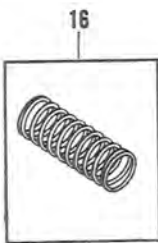
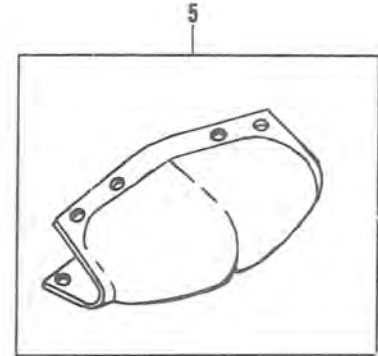
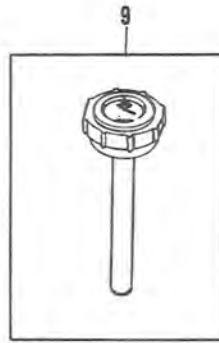
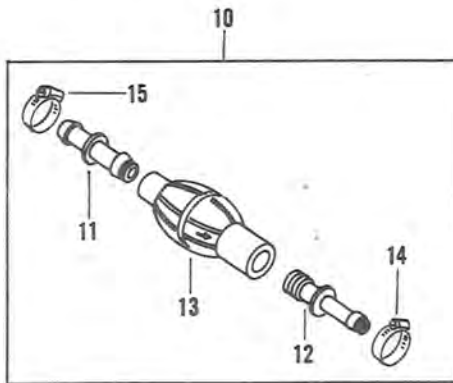
ACCESSORIES

Ref. No.	Part No.	Description	1 Cyl.	2 Cyl.
1	10 006 A91	Sprocket (25 Tooth).....	1	1
1	10 007 A91	Sprocket (17 Tooth).....	1	1
1	10 009 A91	Sprocket (21 Tooth).....	1	1
1	10 098 A91	Sprocket (29 Tooth).....	1	1
(A)	10 051 A91	Safety Pad.....	1	1
5	523 383 M91	Pad Assembly.....	1	1
	519 770 M1	Button (Not Illustrated).....	4	4
	519 771 M1	Socket (Not Illustrated).....	2	2
	519 551 M1	Stud (Not Illustrated).....	2	2
9	10 101 A91	Gauge.....	1	1
10 (A)	10 103 A91	Primer Assembly.....	1	-
11	522 193 M1	Valve.....	1	-
12	522 194 M1	Valve.....	1	-
13	522 195 M1	Bulb.....	1	-
14	363 900 X1	Clamp.....	1	-
15	519 731 M1	Clamp.....	1	-
16	10 107 A91	Spring.....	1	1
20 (A)	10 160 A91	Shock Kit (Black).....	1	-
21	532 792 M91	Shock Assembly.....	2	-
22	532 380 M1	Bracket.....	2	-
23	368 904 X1	Bolt (5/16 x 5/8" NC, Hex.).....	2	-
24	353 708 X1	Bolt (7/16 x 2-1/4" NC, Hex.).....	2	-
25	353 714 X1	Bolt (7/16 x 3" NC, Hex.).....	2	-
26	367 483 X1	Nut (7/16" NC, Hex. Lock).....	4	-
20 (A)	10 165 A91	Shock Kit (Chrome).....	1	1
21	533 171 M91	Shock Assembly.....	1	1
22	532 380 M1	Bracket.....	2	2
23	368 904 X1	Bolt (5/16 x 5/8" NC, Hex.).....	2	2
24	353 708 X1	Bolt (7/16 x 2-1/4" NC, Hex.).....	2	2
25	353 714 X1	Bolt (7/16 x 3" NC, Hex.).....	2	2
26	367 483 X1	Nut (7/16" NC, Hex. Lock).....	4	4
31	10 180 A91	Hitch Kit.....	1	1
32	533 216 M1	Bracket.....	1	1
33	353 691 X1	Bolt (3/8 x 1" NC, Hex.).....	2	2
34 (B)	368 630 X1	Washer (3/8" Flat).....	2	2
35	365 758 X1	Nut (3/8" NC, Hex. Lock).....	2	2
36	533 217 M1	Hitch.....	1	1
37	832 716 M1	Pin (3/8" Clevis).....	1	1
38	353 756 X1	Washer (3/8" Flat).....	1	1
39	195 414 M1	Hair Pin.....	1	1
45	533 131 M1	Flap (10 100 A91).....	1	1

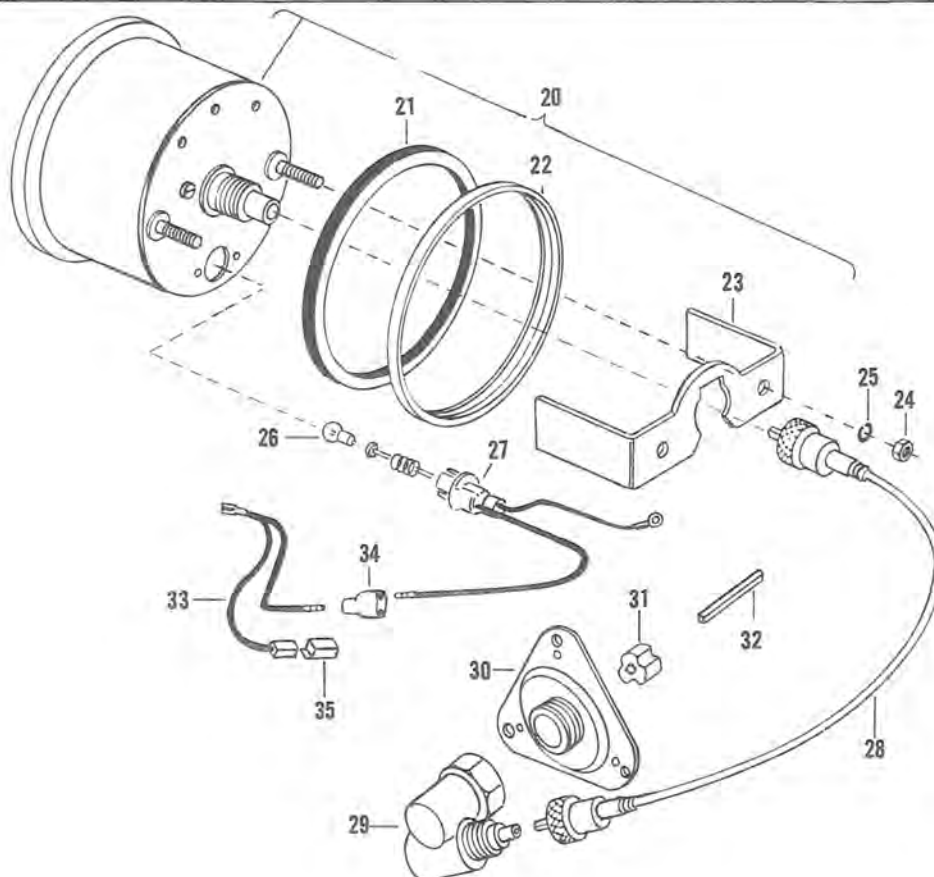
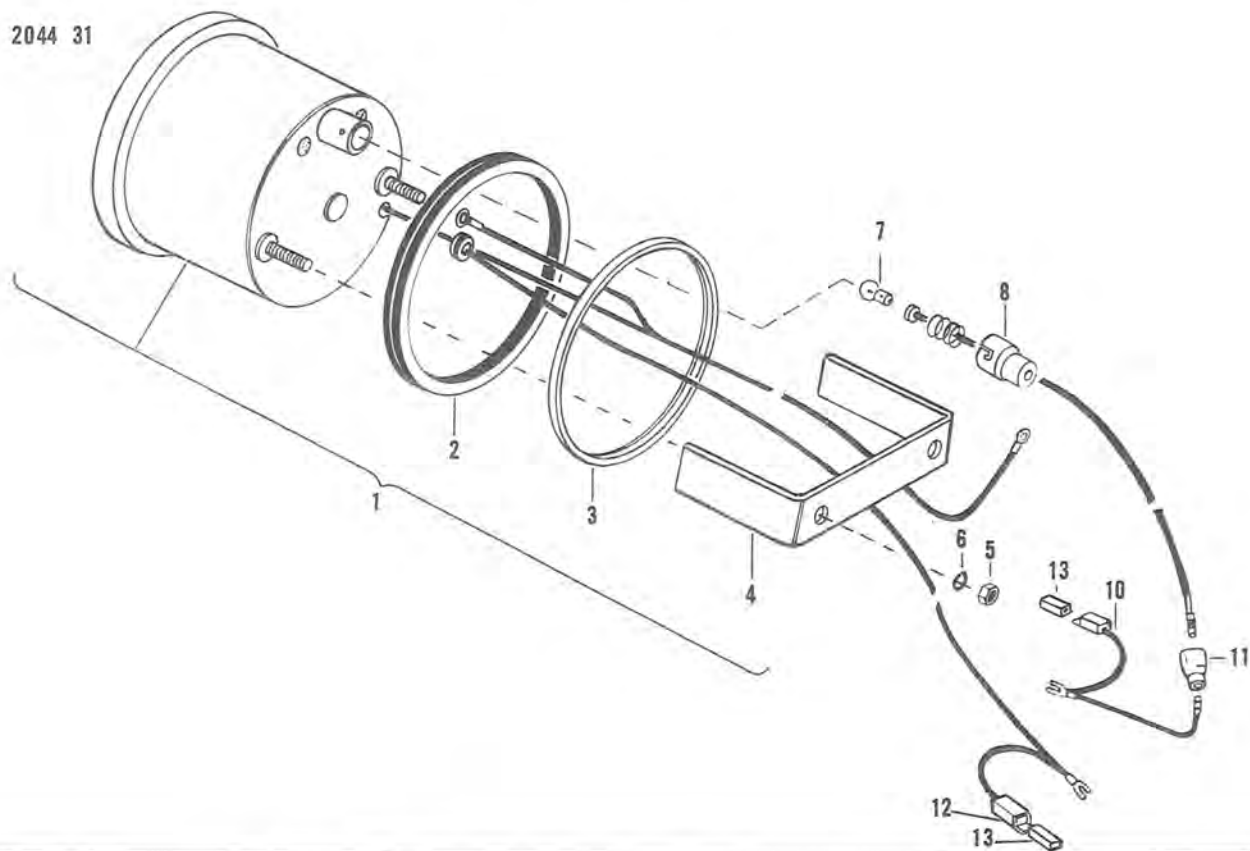
Notes: (A) - Accessory No. for Reference only.

(B) - Used as spacers on MF 304 where Snow Flap is not standard equipment.

2044 30



2044 31



ACCESSORIES

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TACHOMETER KIT (10 110 A91)

Ref. No.	Part No.	Description	1 Cyl.	2 Cyl.
1		Tachometer Assembly (Order 10 110 A91).....	1	1
2	1 042 481 M91	Ring Assembly.....	1	1
3	1 042 476 M1	Ring.....	1	1
4		Bracket (Order 10 110 A91).....	1	1
5	1 441 961 X1	Nut (5MM).....	2	2
6	339 381 X1	Washer.....	2	2
7	22 709 X	Bulb.....	1	1
8	1 042 479 M91	Wire and Socket Assembly.....	1	1
10	523 356 M91	Cable Assembly.....	1	1
11	519 635 M1	Connector.....	1	1
12	530 376 M1	Connector.....	1	1
13	504 817 M1	Body.....	2	2

SPEEDOMETER KIT

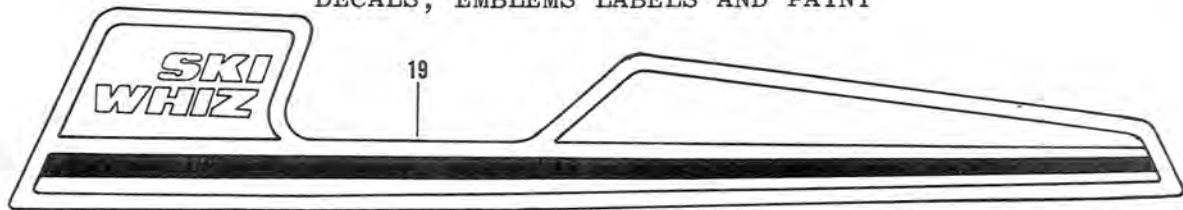
(10 109 A91)

20	1 042 482 M91	Speedometer Assembly.....	1	1
21	1 042 481 M91	Ring Assembly.....	1	1
22	1 042 476 M1	Ring.....	1	1
23		Bracket (Order 1042 482 M91).....	1	1
24	1 441 961 X1	Nut (5MM).....	2	2
25	339 381 X1	Washer.....	2	2
26	22 709 X	Bulb.....	1	1
27	1 042 478 M91	Socket Assembly.....	1	1
28	1 042 474 M91	Cable Assembly.....	1	1
29	1 042 475 M91	Adapter Assembly.....	1	1
30	1 042 473 M1	Flange.....	1	1
31	1 042 471 M1	Bushing.....	1	1
32	1 042 472 M1	Key.....	1	1
33	523 356 M91	Cable Assembly.....	1	1
34	519 635 M1	Connector.....	1	1
35	504 817 M1	Connector.....	1	1

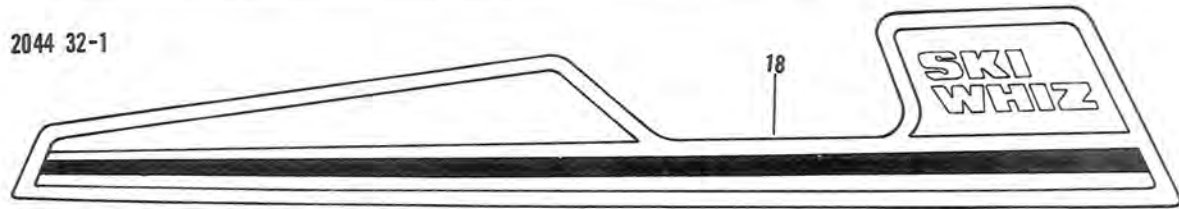
DECALS, EMBLEMS, LABELS AND PAINT

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>No. Req.</u>
1	530 054 M1	Label.....	1
2	530 055 M1	Label.....	1
3	530 081 M1	Decal (304,304T,344T only).....	1
4	530 073 M1	Decal (304 only).....	1
5	532 845 M2	Decal.....	1
6	533 323 M1	Label.....	1
13	533 155 M1	Emblem.....	1
14	533 156 M1	Emblem.....	1
15	533 157 M1	Emblem.....	1
16	533 158 M1	Emblem.....	1
17	368 972 X1	Nut (Self-Threading).....	2
18 (A)	533 724 M1	Emblem (Right).....	1
18 (B)	533 129 M1	Emblem (Right).....	1
19 (A)	533 724 M1	Emblem (Left).....	1
19 (B)	533 130 M1	Emblem (Left).....	1
25 (A)	533 726 M1	Label (Right).....	1
25 (B)	533 137 M1	Label (Right).....	1
26 (A)	533 727 M1	Label (Left).....	1
26 (B)	533 138 M1	Label (Left).....	1
27 (A)	533 728 M1	Label (Right).....	1
27 (B)	533 139 M1	Label (Right).....	1
28 (A)	533 729 M1	Label (Left).....	1
28 (B)	533 140 M1	Label (Left).....	1
35 (A)	534 125 M1	Label (304S).....	1
36 (A)	534 126 M1	Label (340T, 344T).....	1
37 (A)	534 128 M1	Label (404T, 444T, 404WT, 444WT).....	1
40	533 323 M1	Label, Instructions.....	1
PAINT			
45	841 560 M1	Paint (Flat Black).....	x
45	841 649 M1	Paint (Charcoal Grey).....	x

Notes: (A) - Used 304 Machine Serial Number 2044 010 701 and up.
 Used 344ST Machine Serial Number 2044 061 001 and up.
 Used 404ST Machine Serial Number 2044 110 681 and up.
 Used 444ST Machine Serial Number 2044 211 001 and up.
 Used 444WT Machine Serial Number 2044 260 571 and up.
 (B) - Used prior to 304 Machine Serial Number 2044 010 701.
 Used prior to 344ST Machine Serial Number 2044 061 001.
 Used prior to 404ST Machine Serial Number 2044 110 681.
 Used prior to 444ST Machine Serial Number 2044 211 001.
 Used prior to 444WT Machine Serial Number 2044 260 571.



2044 32-1



STARTING AND STOPPING PROCEDURE

STARTING: UNTIL FAMILIAR WITH ENGINE STARTING CHARACTERISTICS, THE FOLLOWING PROCEDURE IS RECOMMENDED

COLD ENGINE STARTS

1. PULL RECOIL HANDLE 2 OR 3 TIMES TO FREE ENGINE.
2. CHECK THROTTLE & BRAKE CONTROLS FOR FREE OPERATION.
3. TURN KEY SWITCH TO "ON" POSITION.
4. CHECK EMERGENCY CUT-OFF SWITCH FOR "ON" POSITION.
5. PULL OUT CHOKE KNOB.
6. USE HAND PRIMER IF PROVIDED. PULL OUT & PUSH IN 3 TIMES.
7. HOLD THROTTLE LEVER IN APPROX. 1/2 OPEN POSITION.
8. PULL RECOIL HANDLE RAPIDLY UNTIL ENGINE FIRES.
9. IF ELECTRIC START, TURN KEY TO "START" POSITION.
10. AFTER STARTING, IMMEDIATELY PUSH IN CHOKE KNOB AND PARTIALLY RELEASE THROTTLE.
11. IF ENGINE FAILS TO START IN 5 PULLS-REPEAT PROCEDURE.

WARM ENGINE STARTS

1. FOLLOW SAME PROCEDURE AS COLD START BUT OMIT STEPS 1, 5 & 6.
2. MODIFY STEP 7 TO "HOLD THROTTLE IN SLIGHTLY OPEN OR CLOSED POSITION".

STOPPING:

1. TO STOP OR SLOW VEHICLE, RELEASE THROTTLE AND APPLY HAND BRAKE.
2. TO STOP ENGINE QUICKLY, PUSH EMERGENCY STOP SWITCH ON RIGHT HANDLEBAR.
3. WHEN STOPPING VEHICLE, ENGINE SHOULD BE ALLOWED TO IDLE FOR A SHORT PERIOD TO STABILIZE TEMPERATURE.
4. TURN KEY TO "OFF" AND REMOVE BEFORE DISMOUNTING.

IMPORTANT: TO AVOID ENGINE DAMAGE, DO NOT OVERLEAN CARBURETOR HI-SPEED SCREW. ENGINES HAVING HR 162-A CARBURETOR MUST BE ADJUSTED AS FOLLOWS:

MF300 & MF304....1 1/4 TO 1 1/2 TURNS OPEN

FOR HI-ALTITUDES, CARBURETOR MAY BE LEANED TO OBTAIN LIGHT BROWN COLOR ON SPARK PLUG ELECTRODE. LIGHTER OFF-WHITE COLOR INDICATES OVERHEATING AND WILL RESULT IN PISTON BURNING. ALWAYS USE PROPER FUEL MIXTURE-20 PARTS PREMIUM FUEL TO 1 PART SAE 40 AIR COOLED SNOWMOBILE ENGINE OIL.

IMPORTANT: TO AVOID ENGINE DAMAGE, DO NOT OVERLEAN CARBURETOR HI-SPEED SCREW. ENGINES HAVING HD 136-A CARBURETOR MUST BE ADJUSTED AS FOLLOWS:

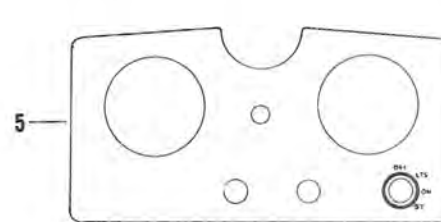
MF404 & MF444....1 TO 1 1/4 TURNS OPEN

FOR HI-ALTITUDES, CARBURETOR MAY BE LEANED TO OBTAIN LIGHT BROWN COLOR ON SPARK PLUG ELECTRODE. LIGHTER OFF-WHITE COLOR INDICATES OVERHEATING AND WILL RESULT IN PISTON BURNING. ALWAYS USE PROPER FUEL MIXTURE-20 PARTS PREMIUM FUEL TO 1 PART SAE 40 AIR COOLED SNOWMOBILE ENGINE OIL.

IMPORTANT: TO AVOID ENGINE DAMAGE, DO NOT OVERLEAN CARBURETOR HI-SPEED SCREW. ENGINES HAVING HRM-1-A CARBURETOR MUST BE ADJUSTED AS FOLLOWS:

MF304 & MF344....3/4 TO 1 1/4 TURNS OPEN

FOR HI-ALTITUDES, CARBURETOR MAY BE LEANED TO OBTAIN LIGHT BROWN COLOR ON SPARK PLUG ELECTRODE. LIGHTER OFF-WHITE COLOR INDICATES OVERHEATING AND WILL RESULT IN PISTON BURNING. ALWAYS USE PROPER FUEL MIXTURE-20 PARTS PREMIUM FUEL TO 1 PART SAE 40 AIR COOLED SNOWMOBILE ENGINE OIL.



STARTING AND STOPPING PROCEDURE

STARTING: UNTIL FAMILIAR WITH ENGINE STARTING CHARACTERISTICS, THE FOLLOWING PROCEDURE IS RECOMMENDED

COLD ENGINE STARTS

1. PULL RECOIL HANDLE 2 OR 3 TIMES TO FREE ENGINE.
2. CHECK THROTTLE & BRAKE CONTROLS FOR FREE OPERATION.
3. TURN KEY SWITCH TO "ON" POSITION.
4. CHECK EMERGENCY CUT-OFF SWITCH FOR "ON" POSITION.
5. PULL OUT CHOKE KNOB.
6. USE HAND PRIMER IF PROVIDED. PULL OUT & PUSH IN 3 TIMES.
7. HOLD THROTTLE LEVER IN APPROX. 1/2 OPEN POSITION.
8. PULL RECOIL HANDLE RAPIDLY UNTIL ENGINE FIRES.
9. IF ELECTRIC START, TURN KEY TO "START" POSITION.
10. AFTER STARTING, IMMEDIATELY PUSH IN CHOKE KNOB AND PARTIALLY RELEASE THROTTLE.
11. IF ENGINE FAILS TO START IN 5 PULLS-REPEAT PROCEDURE.

WARM ENGINE STARTS

1. FOLLOW SAME PROCEDURE AS COLD START BUT OMIT STEPS 1, 5 & 6.
2. MODIFY STEP 7 TO "HOLD THROTTLE IN SLIGHTLY OPEN OR CLOSED POSITION".

STOPPING:

1. TO STOP OR SLOW VEHICLE, RELEASE THROTTLE AND APPLY HAND BRAKE.
2. TO STOP ENGINE QUICKLY, PUSH EMERGENCY STOP SWITCH ON RIGHT HANDLEBAR.
3. WHEN STOPPING VEHICLE, ENGINE SHOULD BE ALLOWED TO IDLE FOR A SHORT PERIOD TO STABILIZE TEMPERATURE.
4. TURN KEY TO "OFF" AND REMOVE BEFORE DISMOUNTING.

