

Robin Industrial Engines

PARTS MANUAL



Model

EC10

Rammer Engine

EC10P0695

Illustrated Parts Catalog
Fuji Robin Engine
Model EC10 ver. G and D

© Copyright 1990, 1991, 1992, 1993, 1994, 1995
Robin America, Inc.
940 Lively Blvd.
Wood Dale, IL 60191
708-350-8200 • Fax: 708-350-8200

All rights reserved under International and Pan-American Copyright Conventions. No part of this manual may be reproduced in any form or by any means, electronic or mechanical, including photocopying, without permission in writing from Robin America, Inc..

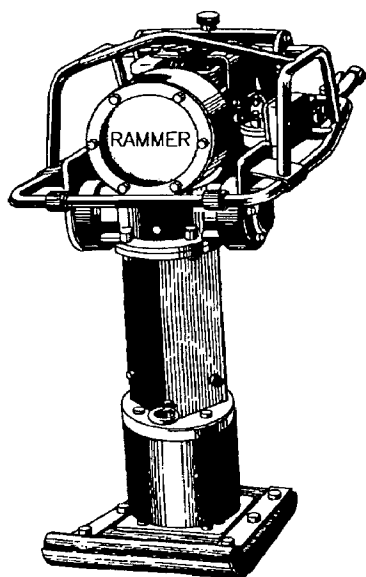
Published in the United States of America.

Robi-Filter is a Trademark of Robin America, Inc..

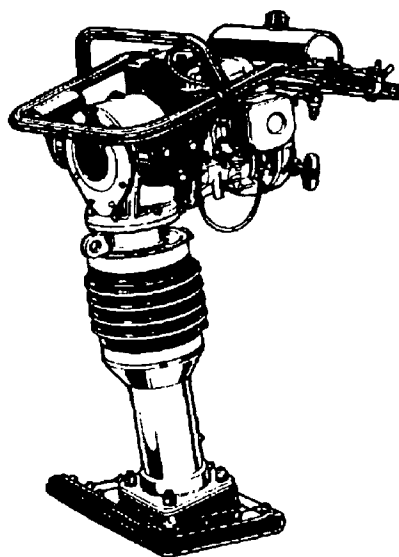


EC10 Parts Manual

**This parts manual covers Robin EC10 engines
used on rammers made by:**

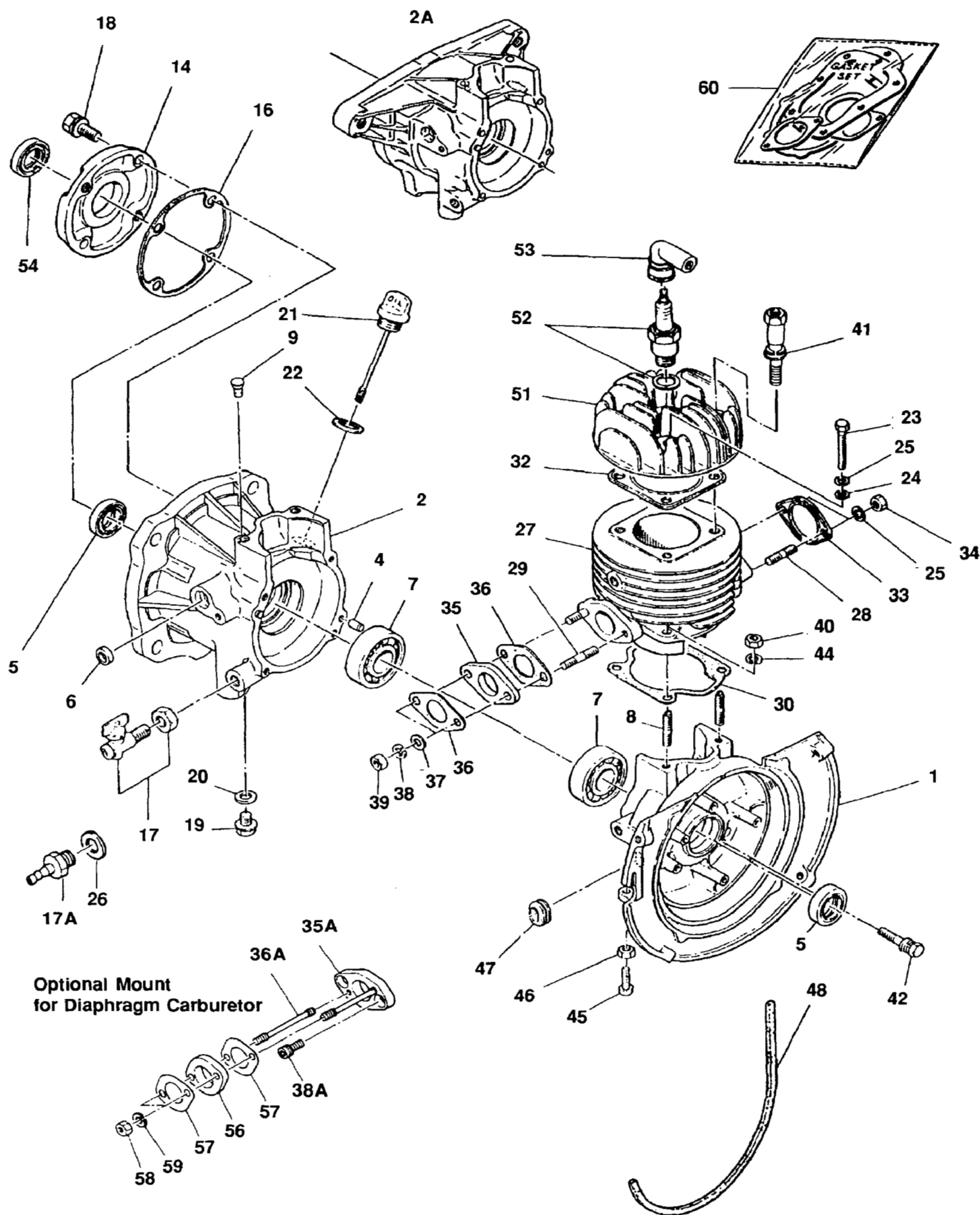


**BANNERMAN
BOMAG
DYNAPAC
HERO-SON
HOMELITE
HUDSON
INGERSOLL-RAND
KOEHRING
M-B-W
MULTIQUIP
STONE
STOW
WACKER
and many other brands.***



* Robin America, Inc. is not affiliated with any Rammer Manufactures.

1. CRANKCASE AND CYLINDER



1. CRANKCASE AND CYLINDER

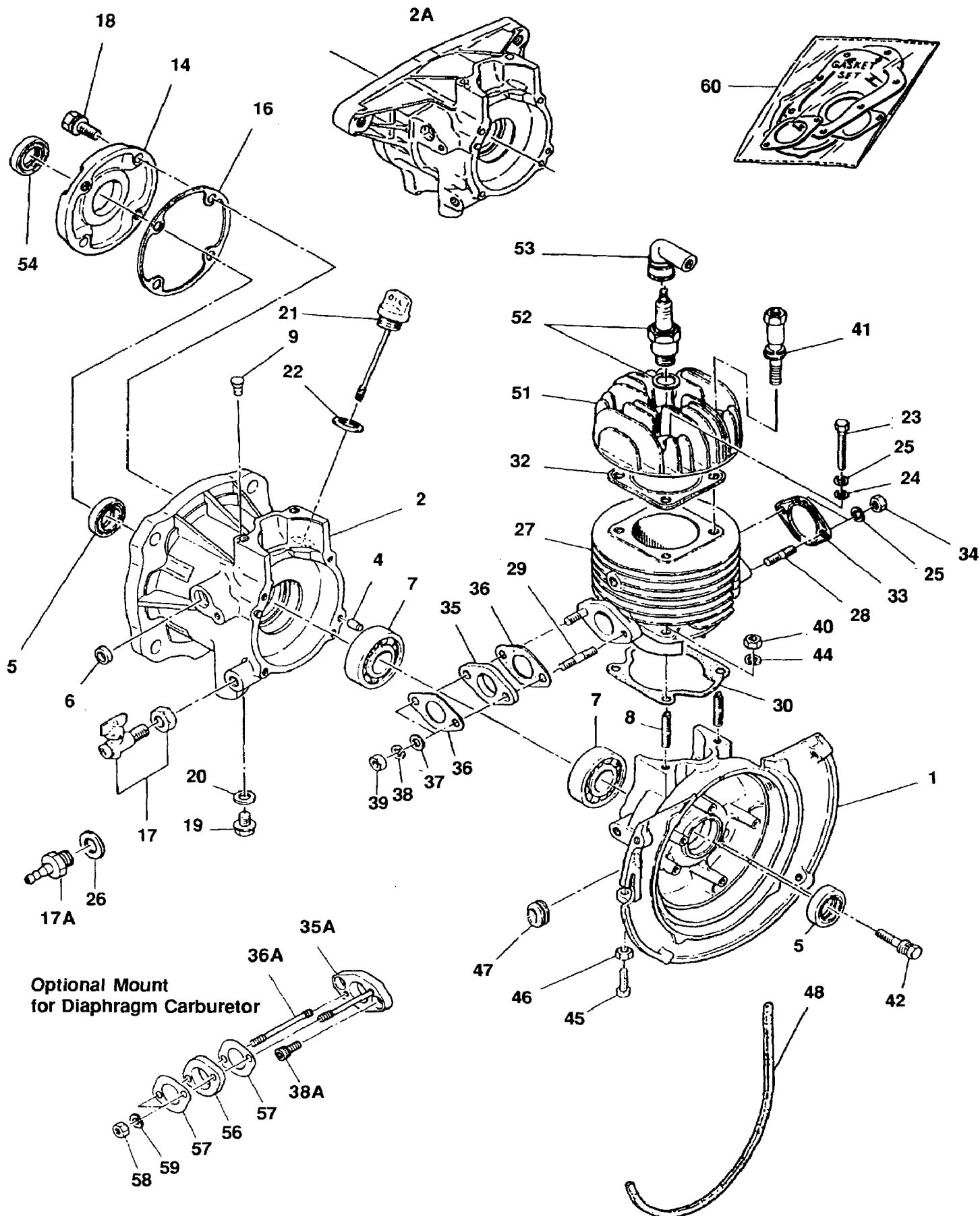
Ref. No.	Part Number	Description	Qty	Notes
1	106 107 0111	Crankcase compl.	1	Incl. 2,4-9,42;Special Order Item
2A	106 103 0131	Mikasa crankcase	1	For electronic ignition
4	031 006 0010	Dowel pin	4	
5	044 020 0010	Oil seal	2	
6	044 008 0010	Oil seal	1	
7	060 020 0020	Ball bearing	2	
8	010 507 0010	Stud	4	
9	067 007 0100	Air breather	1	
14	106 116 0111	Crankcase cover compl.	1	Includes 54
16	106 150 0203	Gasket, case cover	1	
17	064 300 0100	Drain cock	1	
17A	050 510 0070	Union	1	Used on diaphragm carb. models.
18	001 140 6160	Bolt and washer assy.	4	
19	040 108 0010	Plug	1	
20	021 008 0010	Gasket	1	
21	106 636 0601	Oil dip stick	1	
22	021 016 0010	Gasket	1	
23	010 308 0010	Bolt	2	
24	003 100 8000	Washer	2	
25	003 200 8000	Spring washer	4	
26	003 711 0000	Gasket	1	
27	106 124 0511	Cylinder compl.	1	Includes 28,29
28	001 310 8301	Stud	2	
29	001 310 6301	Stud	2	
30	106 150 0123	Gasket, cylinder	1	
32	106 151 0111	Gasket, head	1	
33	106 351 0201	Gasket, exhaust	1	
34	002 190 8000	Nut	2	

Additional Information

* Remove the carburetor mounting studs (ref. #29) from the cylinder (ref. #27) when used with the optional diaphragm carburetor.

* The optional union and gasket ref. #17A, 26) are used on Stone and other models that use a diaphragm carburetors. The tube from the carburetor fuel pump connects to this union.

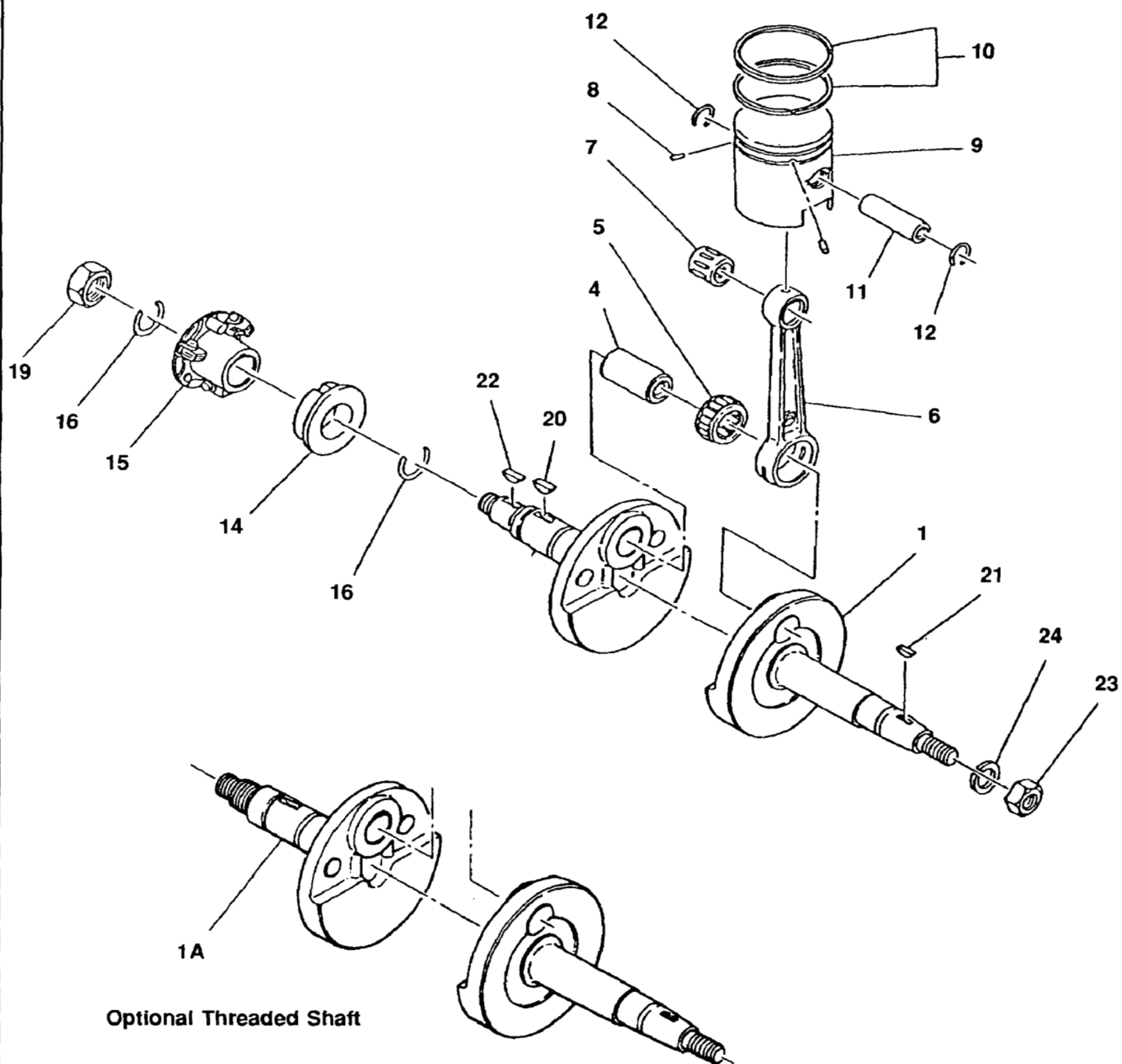
1. CRANKCASE AND CYLINDER



1. CRANKCASE AND CYLINDER

[illegible]

2. CRANKSHAFT AND PISTON



2. CRANKSHAFT AND PISTON

Ref. No.	Part Number	Description	Qty	Notes
1	106 202 0210	Crankshaft assy.	1	Includes 2,4-6
1A	106 202 1900	Crankshaft assy.	1	Used on MBW. Includes 1,4-6
1B	106 202 2100	Crankshaft assy., Not Shown	1	Used on Wacker.
1C	106 202 0200	Crankshaft assy., Not Shown	1	Used on Stow. See below
7	061 012 0010	Needle bearing	1	
9	106 234 0111	Piston, STD	1	Includes 8
9	106 234 0211	Piston, 0.25mm over size	1	Includes 8
9	106 234 0311	Piston, 0.50mm over size	1	Includes 8
10	106 235 0107	Piston ring set, STD	1	
10	106 235 0207	Piston ring set, 0.25 over size	1	
10	106 235 0307	Piston ring set, 0.50 over size	1	
11	106 233 0123	Piston pin	1	
12	056 512 0010	Clip	2	
14	106 419 0303	Govenor sleeve	1	
15	106 417 0201	Govenor plate compl.	1	
16	056 520 0020	Clip	2	
19	017 312 0010	Lock nut	1	
20	032 304 0010	Woodruff key	1	
21	005 320 4201	Woodruff key	1	
22	005 320 4201	Woodruff key	1	
23	017 010 0010	Nut	1	
24	003 201 0000	Spring washer	1	

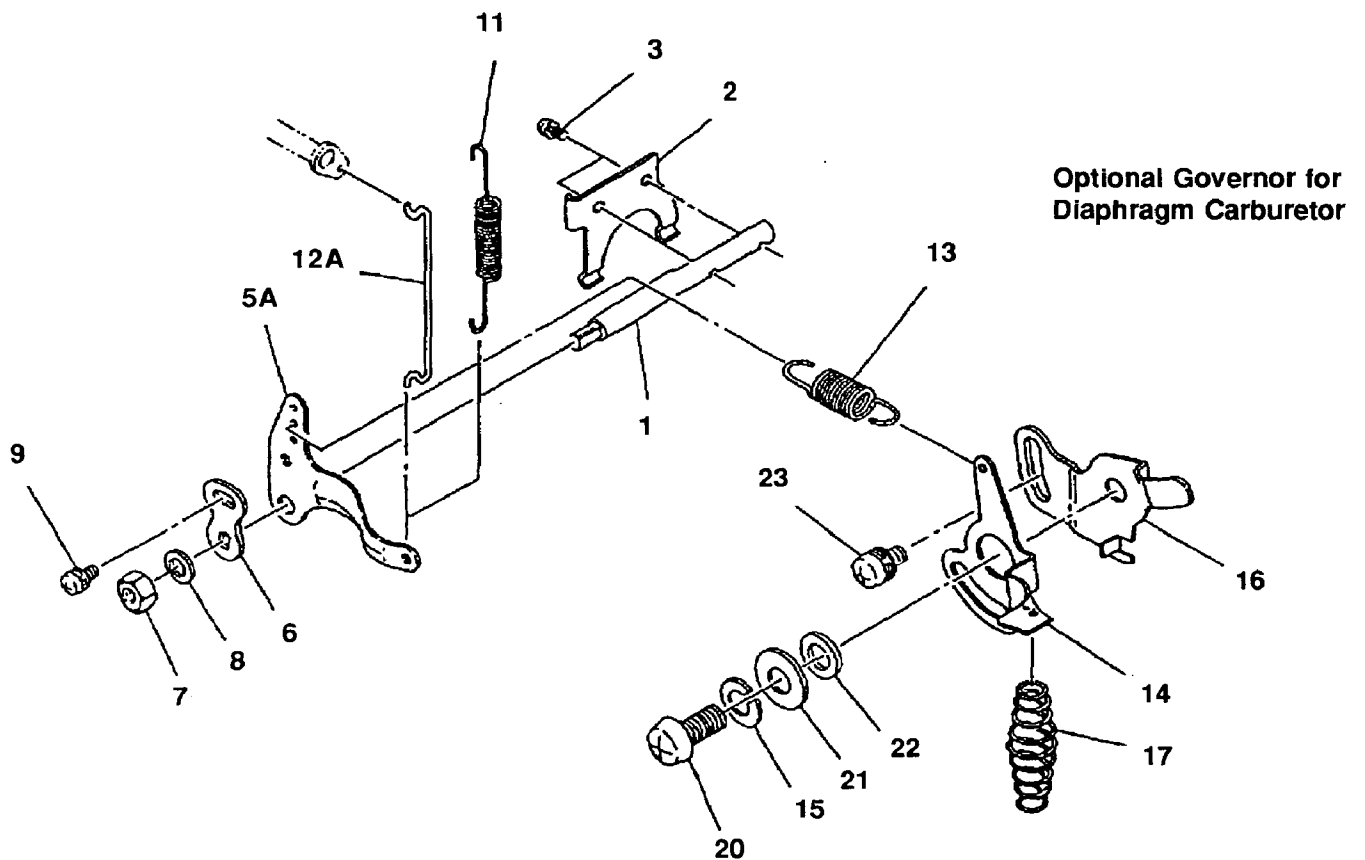
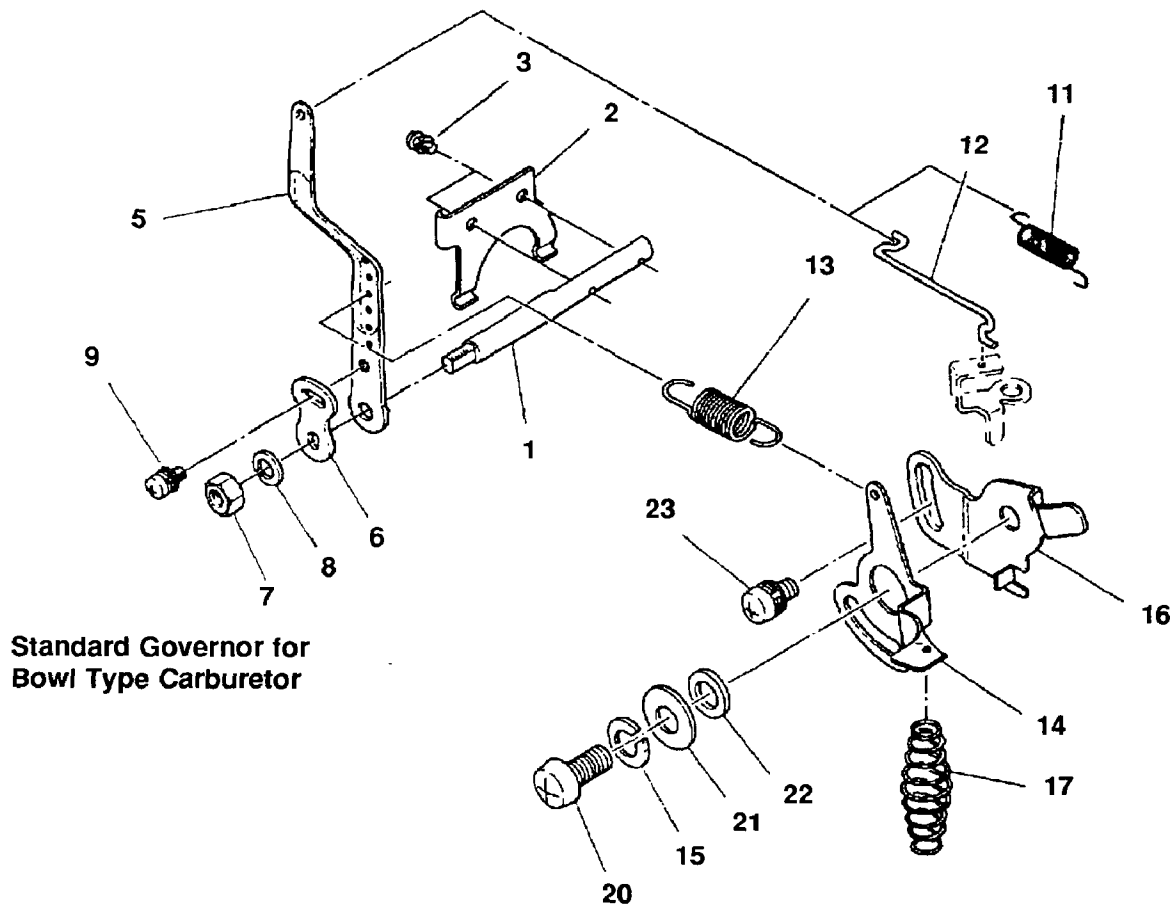
Additional Information

* All Crankshafts include the rod.

* The crankshaft used on Stow (ref. #2C) has a 17mm diam. at the clutch mounting area. The standard crankshaft has a 15mm diam.

* Other crankshafts may be available. Please call for help.

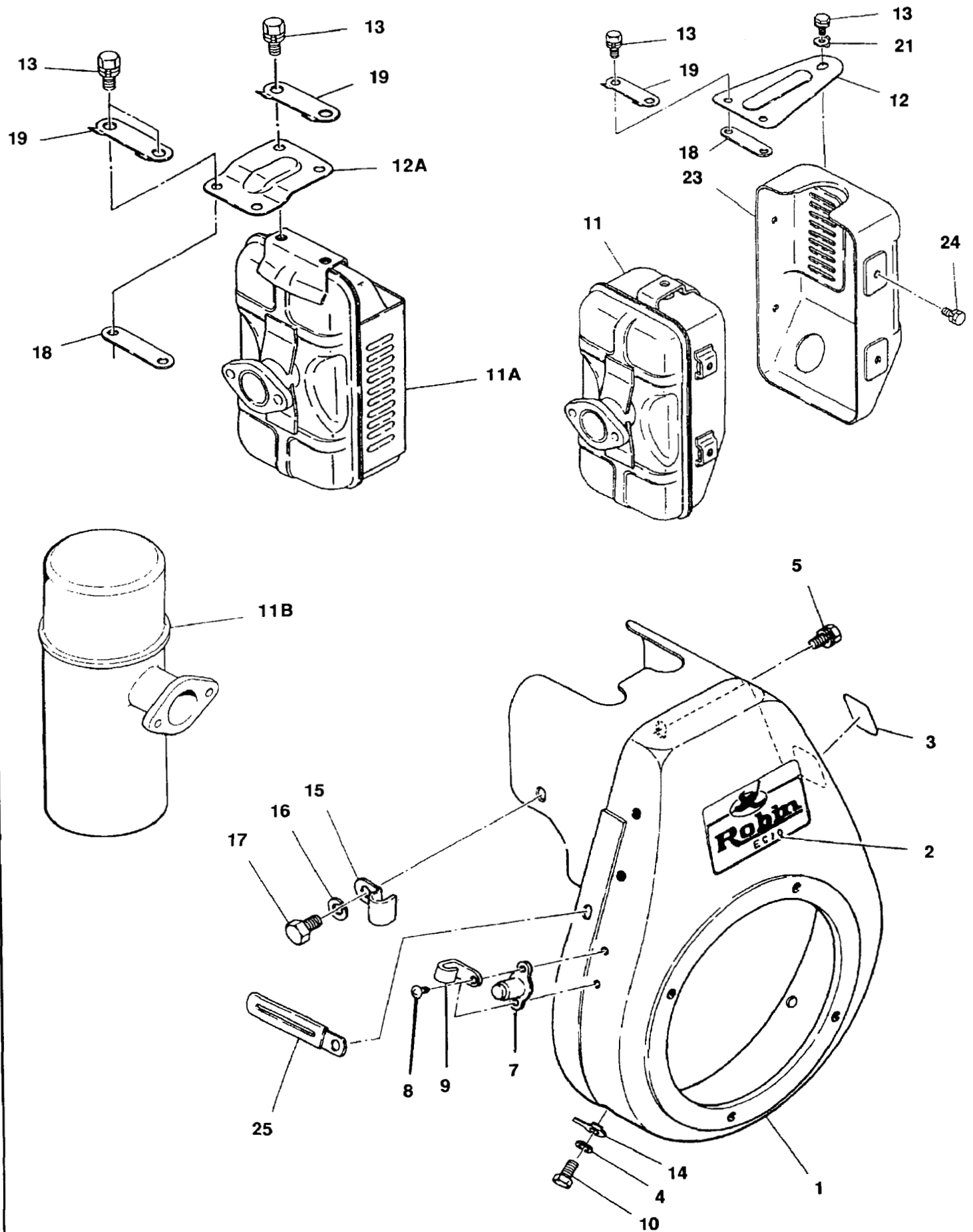
3. GOVERNOR



3. GOVERNOR

[illegible]

4. BLOWER HOUSING AND MUFFLER



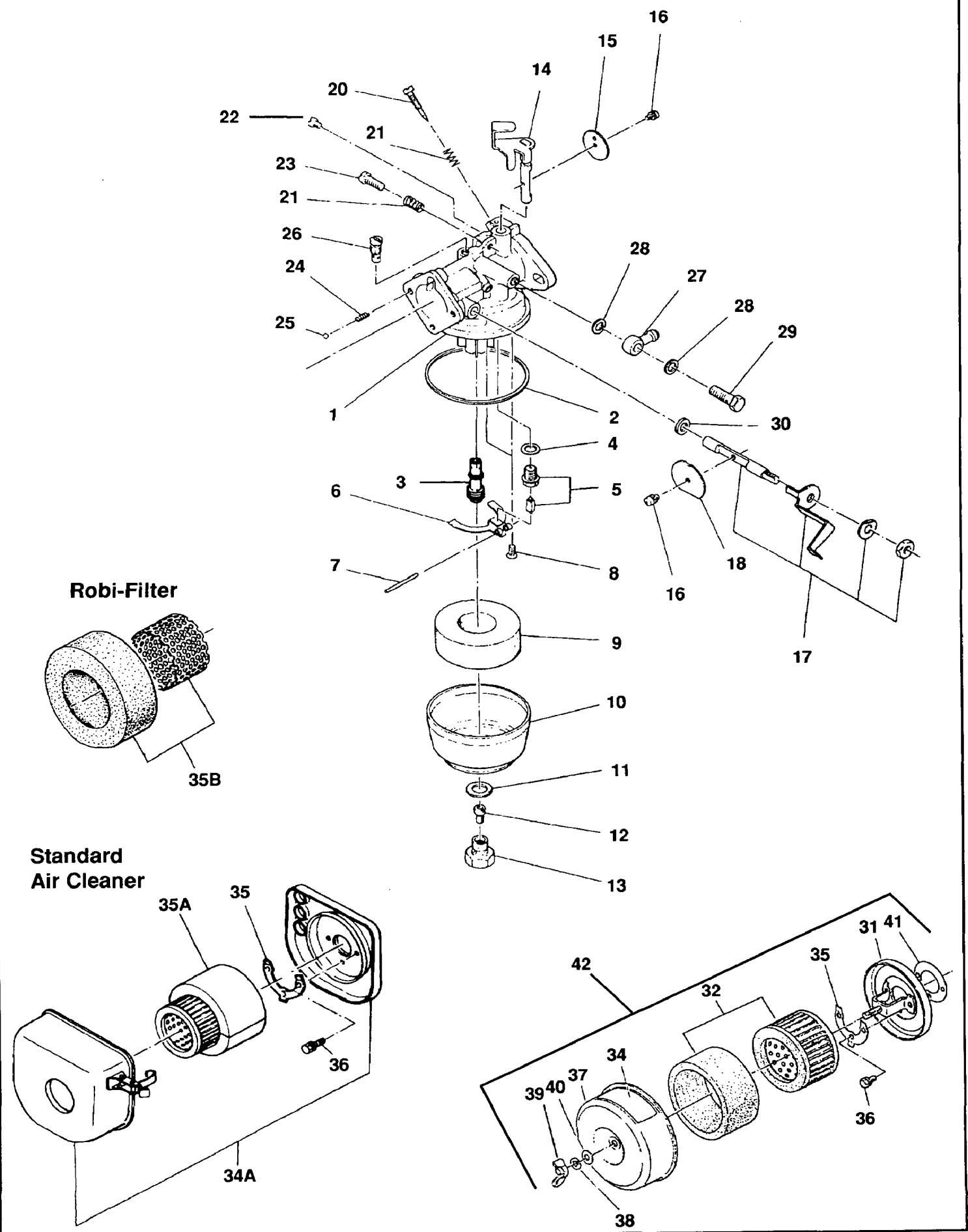
4. BLOWER HOUSING AND MUFFLER

Ref. No.	Part Number	Description	Qty	Notes
1	106 518 0317	Blower housing	1	4 hole recoil mount, primer
1A	106 511 0307	Blower housing, not shown	1	3 hole recoil mount, primer
2	106 917 0603	Label, trade mark	1	
3	106 918 1123	Label, engine model	1	
4	003 200 6000	Spring washer	4	
5	001 100 6120	Bolt and washer assy.	1	
7	066 200 0011	Stop button	1	
8	015 004 0050	Screw	2	
9	056 603 0010	Clamp	1	
10	001 660 6120	Bolt	4	
11	106 301 1631	Muffler	1	
11A	106 301 1801	Muffler	1	
11B	106 301 1021	Muffler	1	Old style muffler
12	106 356 0131	Bracket, muffler	1	Use with 106 301 1631
12A	106 356 0401	Bracket, muffler	1	Use with 106 301 1801
13	001 130 8160	Bolt and washer assy.	4	
14	020 506 0010	Lock washer	4	
15	106 750 1701	Clamp	1	
16	003 200 8000	Spring washer	1	
17	001 650 8120	Bolt	1	
18	106 353 0201	Spacer	1	
19	105 651 0121	Lock washer	1	
21	020 508 0011	Lock washer	1	
23	106 342 5121	Muffler cover	1	Use with 106 301 1631
24	001 160 6100	Bolt and washer assy.	4	
25	150 752 0103	Clamp	1	

Additional Information

- * The mufflers are interchangeable. Be sure to use the proper muffler bracket (ref. #12).

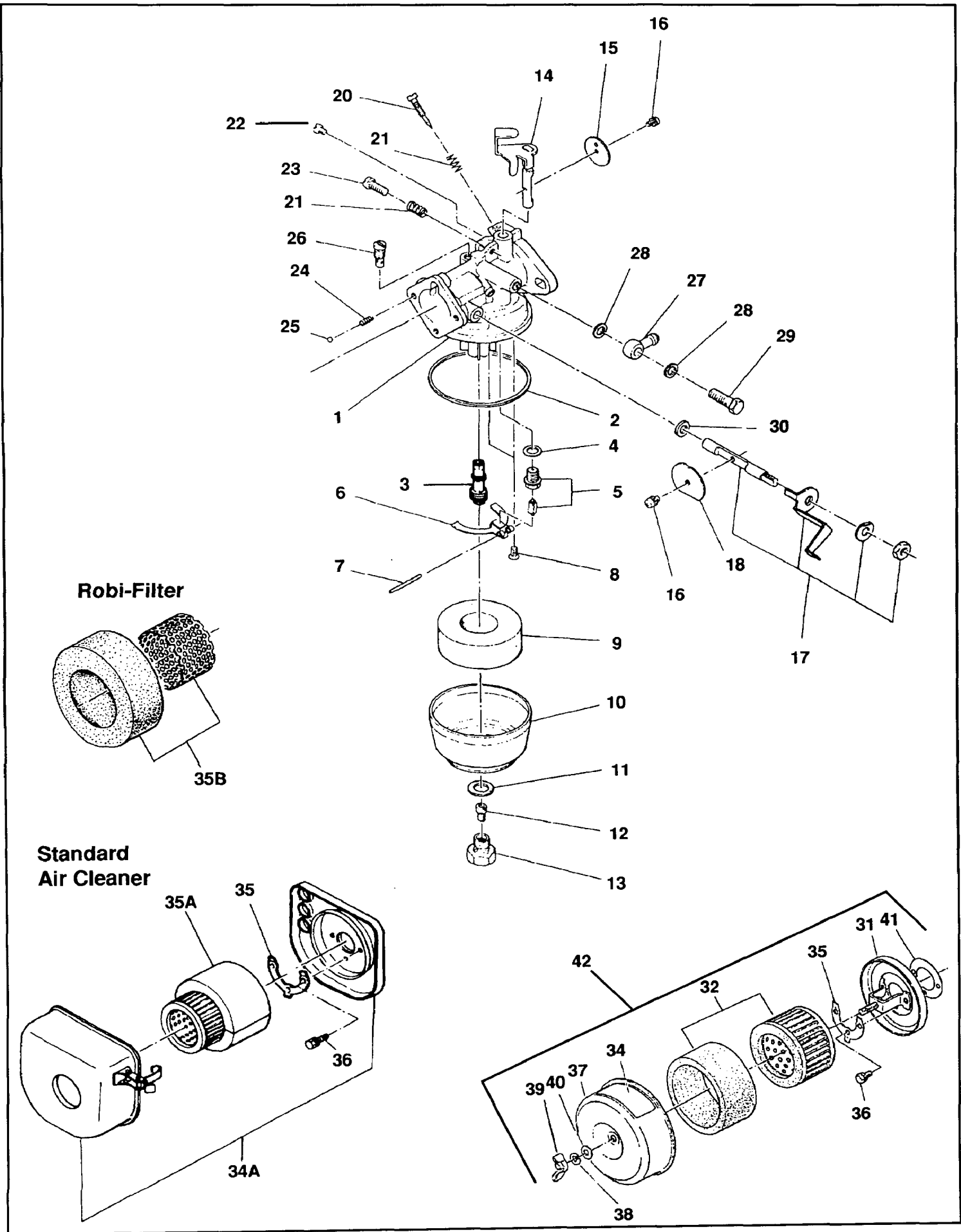
5. CARBURETOR AND AIR CLEANER



5. CARBURETOR AND AIR CLEANER

[illegible]

5. CARBURETOR AND AIR CLEANER



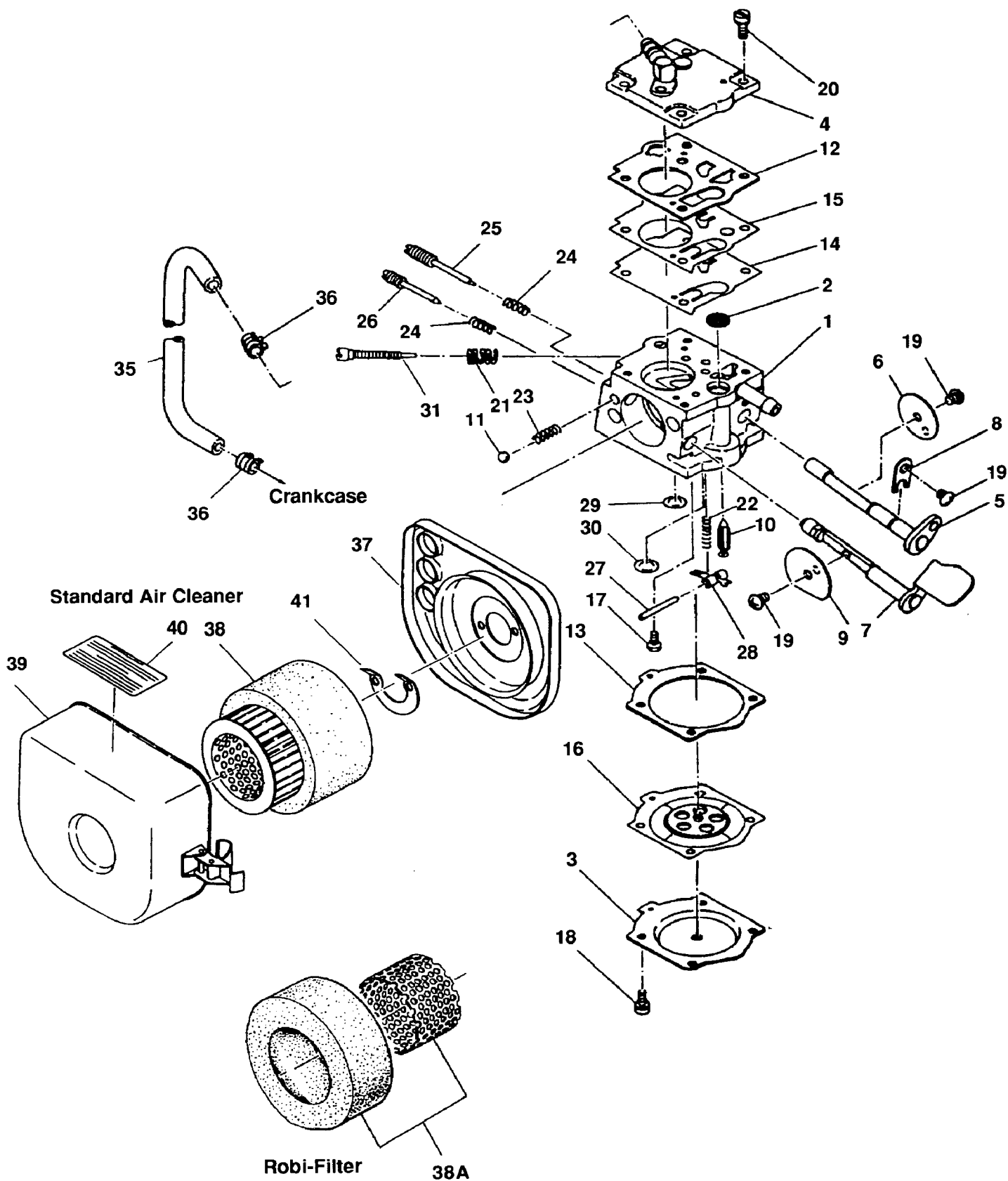
5. CARBURETOR AND AIR CLEANER

[illegible]

Additional Information

- * The Bomag air cleaner assembly (ref. #42) may be replaced with the standard air cleaner assembly (ref. #34A).
- * The Robi-Filter is a cleanable foam type air cleaner system. It may be substituted for the standard air cleaner element (ref. #35A).

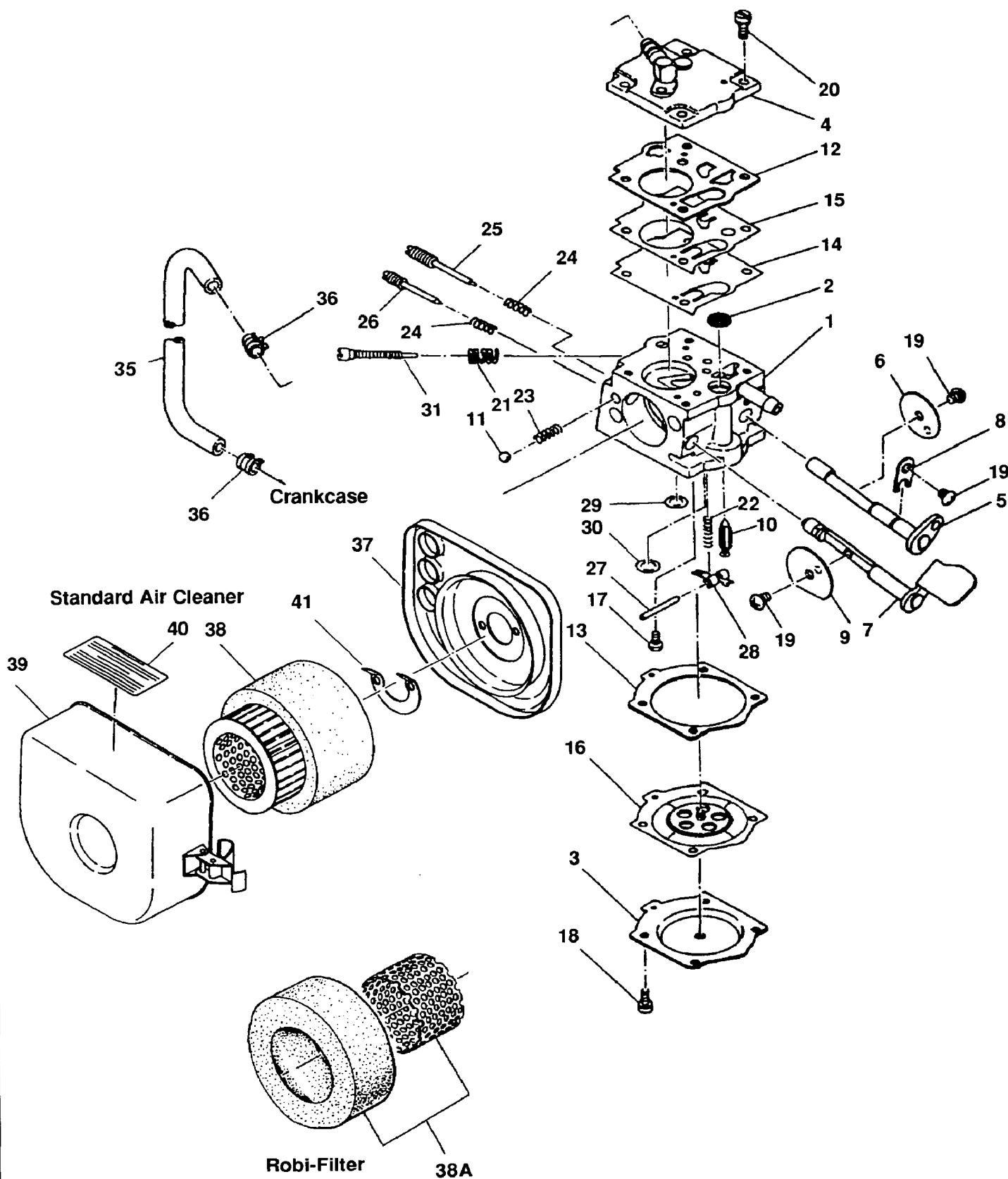
5B. DIAPHRAGM CARBURETOR AND AIR CLEANER



5B. DIAPHRAGM CARBURETOR AND AIR CLEANER

[illegible]

5B. DIAPHRAGM CARBURETOR AND AIR CLEANER



5B. DIAPHRAGM CARBURETOR AND AIR CLEANER

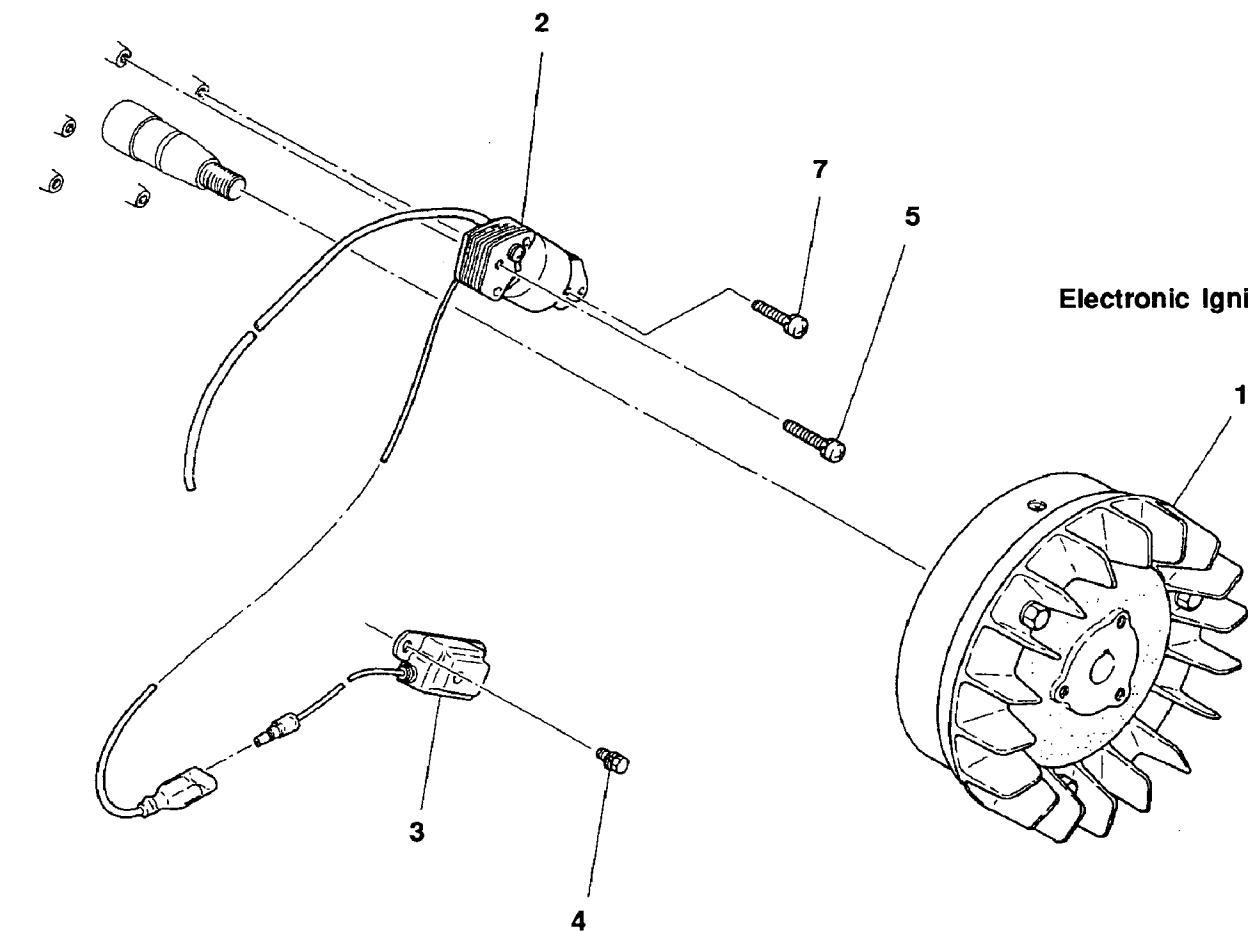
[illegible]

Additional Information

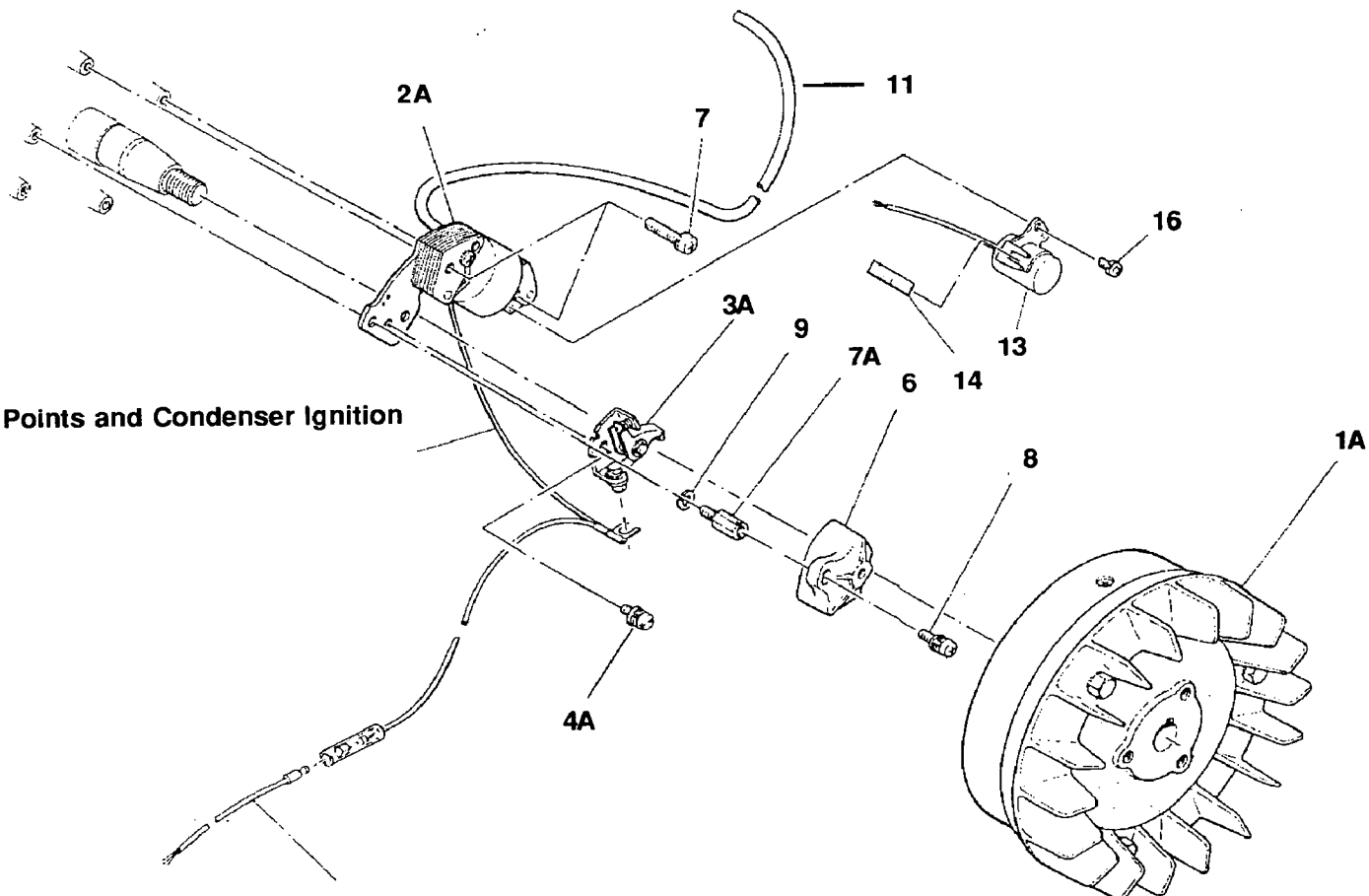
- The Robi-Filter is a cleanable foam type filter system. It may be substituted for the standard air cleaner element (ref. #38).

6. MAGNETO

Electronic Ignition



Points and Condenser Ignition



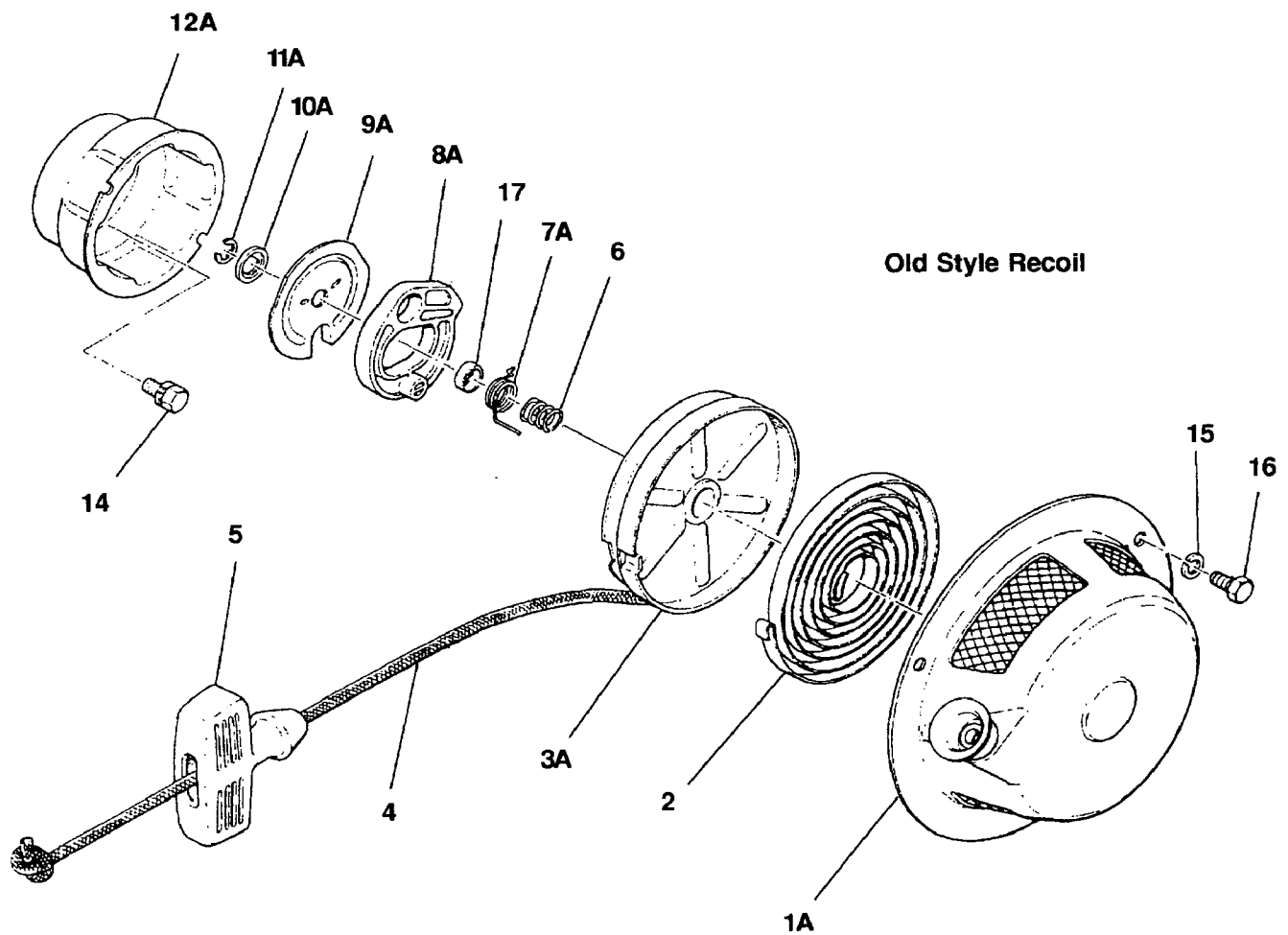
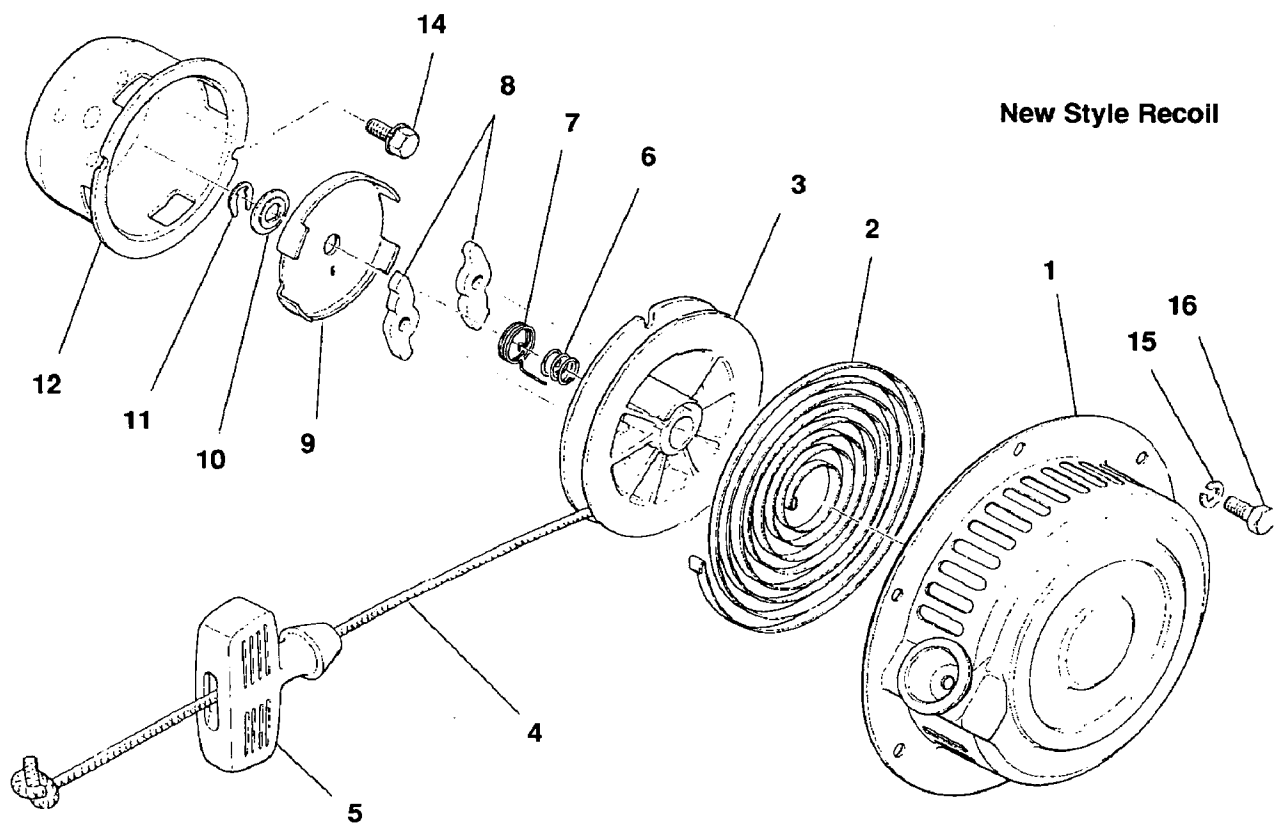
6. MAGNETO

Ref. No.	Part Number	Description	Qty	Notes
*	106 702 1000	Magneto assy.	1	Electronic ign., includes 1,2,3
*	106 701 1000	Magneto assy.	1	P & C ign., incl. 1A,2A,3A,4A,6,7A,8,9,13,14,16
1	106 701 7508	Flywheel compl.	1	Electronic ignition only
1A	106 701 7208	Flywheel compl.	1	Points and Ignition only
2	106 701 1008	Generating assy.	1	Electronic ignition only
2A	106 701 0708	Generating assy.	1	P & C ign., incl. 3A,4A,13,14,16
2A	106 701 3408	Ignition coil	1	P & C ignition
2A	106 701 3028	Ignition coil, not shown	1	Old style P & C coil, see below
3	106 702 4708	T.C.I. unit	1	
3A	106 702 1508	Points compl.	1	
4	001 130 5100	Bolt and washer assy.	2	
4A	106 701 6108	Screw and washer	1	
5	004 350 4250	Screw and washer	1	
6	106 711 0111	Points cover compl.	1	Includes 7A,8
7	004 350 4200	Screw and washer assy.	1	
7A	106 711 1008	Bolt	1	
8	106 711 0508	Bolt and washer assy.	1	
9	003 200 4000	Spring washer	1	
11	106 750 0603	Vinyl tube	1	
13	106 702 1408	Condenser compl.	1	
13A	106 702 1308	Condenser compl., not shown	1	Use with old style coil 1067013028
14	208 702 2508	Oil felt	1	
16	107 701 5208	Screw and washer assy.	1	

Additional Information

- The points and condenser ignition can not be replaced with the electronic ignition unless the flywheel is replaced. The flywheels on the two ignition systems have the magnets in different locations.
- * The "old style coil" (#106 701 3028) can be identified by the color of the cover, which is grey. The newer coil (#106 701 3408) has a black cover. Both coils use the same points. The condensers are different as noted above.

7. RECOIL STARTER



7. RECOIL STARTER

Ref. No.	Part Number	Description	Qty	Notes
1	106 508 1310	Recoil starter assy.	1	New style, incls. 1-12, 4 holes
1A	106 509 1100	Recoil starter assy.	1	Old style, incls. 1A-11A, 4 holes
1B	106 501 1620	Recoil starter assy., Not Shown	1	New style, 6 mounting holes
1C	106 502 1420	Recoil starter assy., Not Shown	1	New style, reverse rotation
2	106 501 1608	Spiral spring	1	
3	106 501 8418	Reel compl.	1	New style
3A	106 501 2408	Reel compl.	1	Old style
4	106 501 1308	Starter rope	1	
5	206 501 0108	Starter Knob compl.	1	
6	106 501 3208	Friction spring	1	
7	106 501 3618	Return spring	1	New style
7A	106 501 3508	Return spring	1	Old style
8	106 501 2818	Ratchet	2	New style
8A	106 501 2708	Ratchet	1	Old style
9	106 501 4408	Friction plate	1	New style
9A	106 501 4308	Friction plate	1	Old style
10	106 501 8508	Thrust washer	1	New style
10A	106 501 7708	Washer	1	Old style
11	106 501 8608	Clip	1	New style
11A	105 501 5508	Clip	1	Old style
12	106 501 8318	Starting pulley	1	New style
12A	106 501 7808	Starting pulley	1	Old style
14	001 100 6120	Bolt and washer assy.	3	
15	003 200 6000	Spring washer	4	
16	001 660 6120	Bolt	4	
17	105 501 5408	Spring cover	1	

Additional Information

- The recoil starter assemblies are interchangeable.
- recoil assy. #106-50814-00 may be substituted for the standard new style recoil (item 1, #106-50813-10).

NOTES

NOTES



Robin America, Inc.

940 Lively Blvd., Wood Dale, IL 60191 • Tel: (708) 350-8200 • Fax: (708) 350-8212