

Robin Industrial Engines®

OEM PARTS MANUAL

Model

EC17DS DENYO

1193M321



ROBIN AMERICA, INC.
ROBIN TO WISCONSIN ROBIN
ENGINE MODEL CROSS REFERENCE LIST

ROBIN

WISCONSIN ROBIN

SIDE VALVE

EY08	W1-080
EY15	W1-145
EY15V	W1-145V
EY20	W1-185
EY20V	W1-185V
EY23	W1-230
EY28	W1-280
EY35	W1-340
EY40	W1-390
EY45V	W1-450V
EY21	EY21W
EY44	EY44W
EY18-3	EY18-3W
EY25	EY25W
EY27	EY27W

OVERHEAD VALVE

EH11	WO1-115
EH12	WO1-120
EH15	WO1-150
EH17	WO1-170
EH21	WO1-210
EH25	WO1-250
EH30	WO1-300
EH30V	WO1-300V
EH34	WO1-340
EH34V	WO1-340V
EH43V	WO1-430V

TWO CYCLE

EC13V	WT1-125V
-------	----------

DIESEL

DY23	WRD1-230
DY27	WRD1-270
DY30	WRD1-300
DY35	WRD1-350
DY41	WRD1-410

Engine Model EC17DS for DENYO

Introduction

This catalog is designed to identify **Robin Engine** parts.

When ordering parts, it is always advisable to list the engine model, specification number and serial number. With this information, we can check your order for any incorrect part numbers. Use your Service Parts List to ensure proper part number and nomenclature identification.

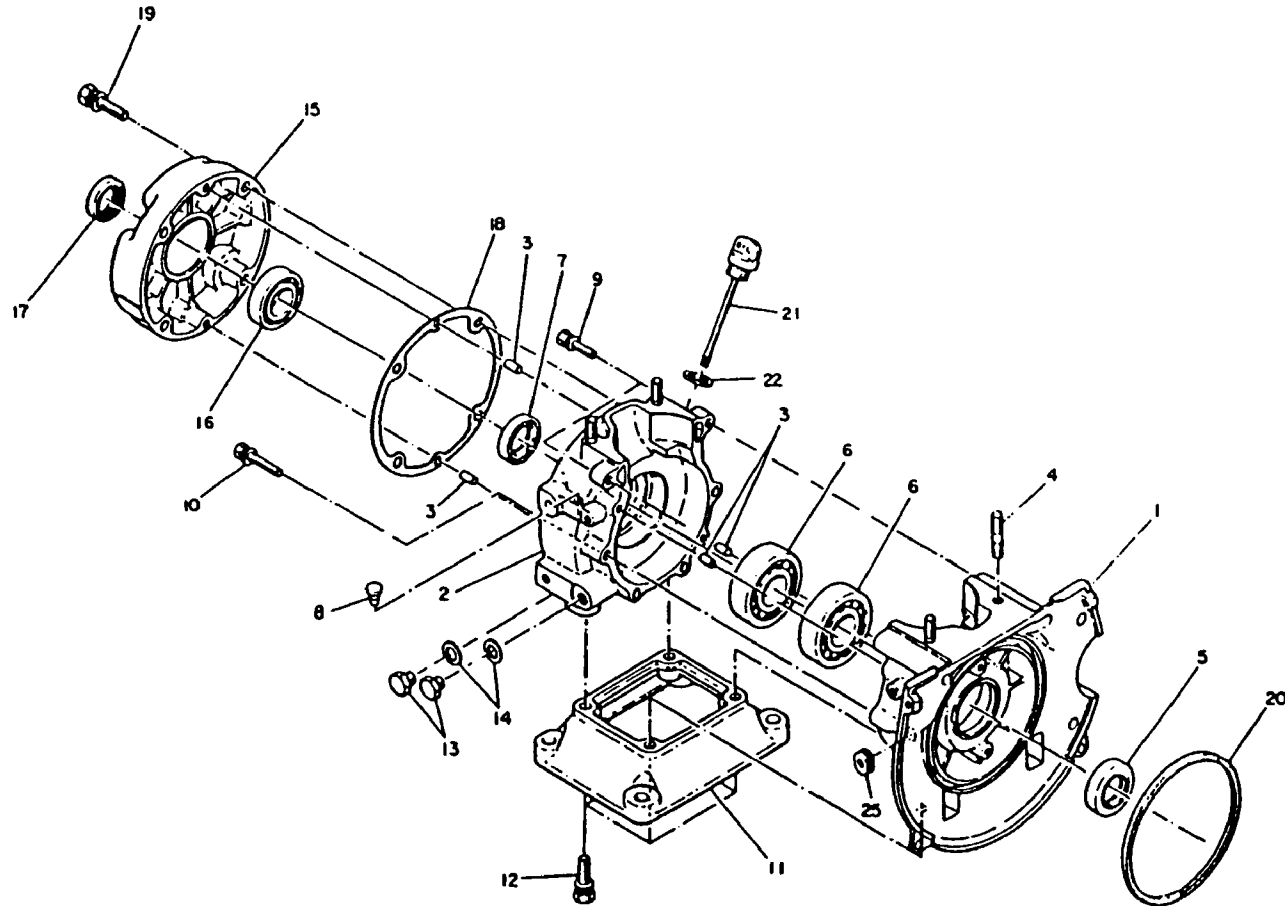
ROBIN AMERICA INC. reserves the right to modify, alter and improve engines and parts. Part numbers and the structure of parts may change from those shown in this catalog.

Table of Contents

Crankcase.....	1
Cylinder.....	2
Crankshaft and Piston	3
Governor.....	4
Blower Housing and Muffler.....	5
Carburetor and Air Cleaner.....	6
Magneto.....	7
Starting Motor.....	8
Parts to be Shipped Loose	9
Accessories	10

1.

CRANKCASE



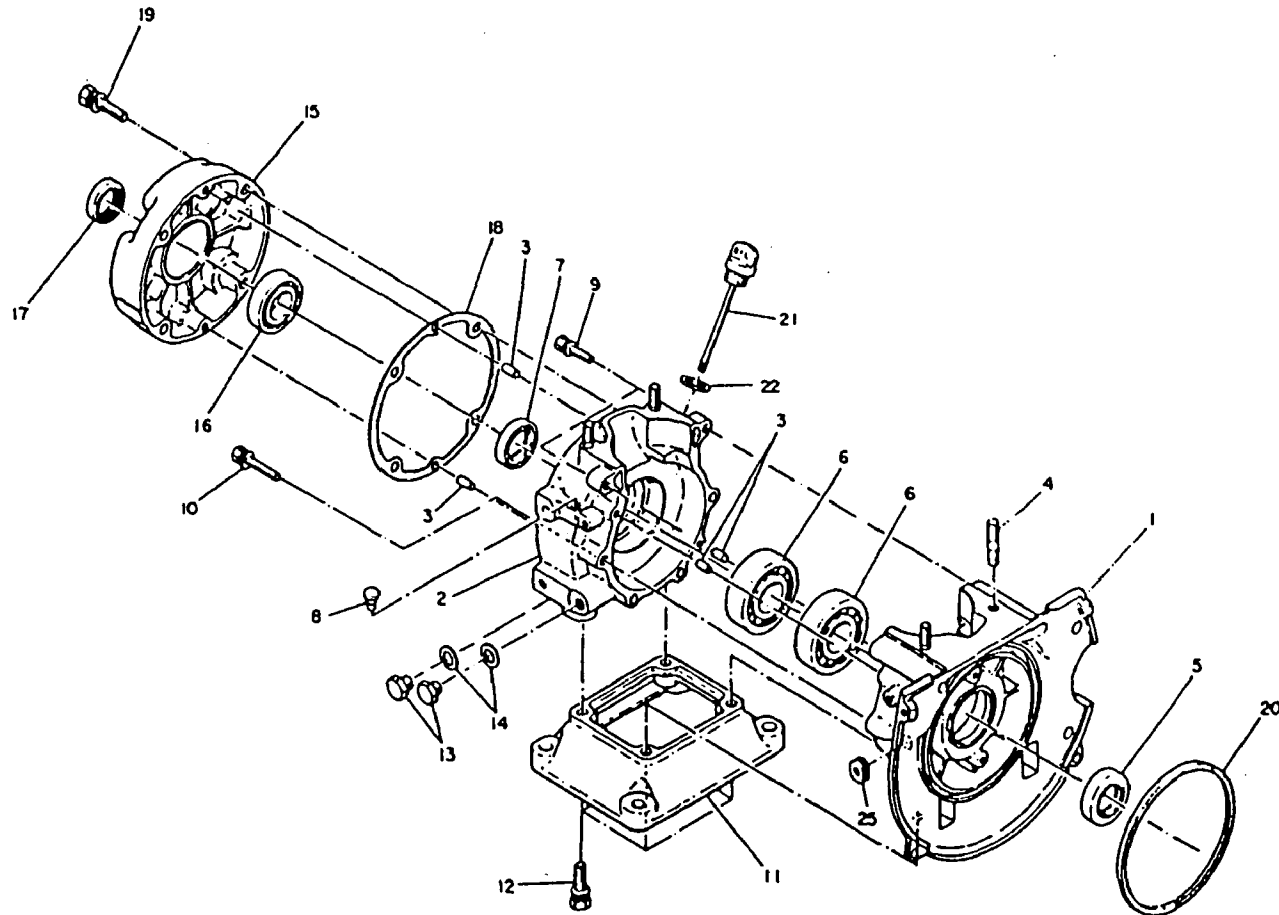
1.

CRANKCASE

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
* 1	107 11002 11	CRANKCASE COMPL.	1	Incl.2 ~10		
3	031 00600 10	DOWEL PIN	4			
4	001 32083 51	STUD	4			
5	044 02500 40	OIL SEAL	1	TB254210		
6	060 02500 20	BALL BEARING	2	6305C3		
7	044 02500 30	OIL SEAL	1	TB25387		
8	067 00701 00	AIR BREATHER	1			
9	001 14063 00	BOLT AND WASHER ASSY	2			
10	001 14064 00	BOLT AND WASHER ASSY	4			
11	107 13501 03	BASE	1			
12	001 14083 00	BOLT AND WASHER ASSY	4			
13	009 01100 00	FILER	2			
14	003 71100 00	GASKET	2			
*15	107 11402 01	CRANKCASE COVER COMPL.	1	Incl.16,17		
16	060 02500 30	BALL BEARING	1	6005C3		
17	044 02500 51	OIL SEAL	1	TB25347		
18	107 15001 23	GASKET (case cover)	1			

1.

CRANKCASE



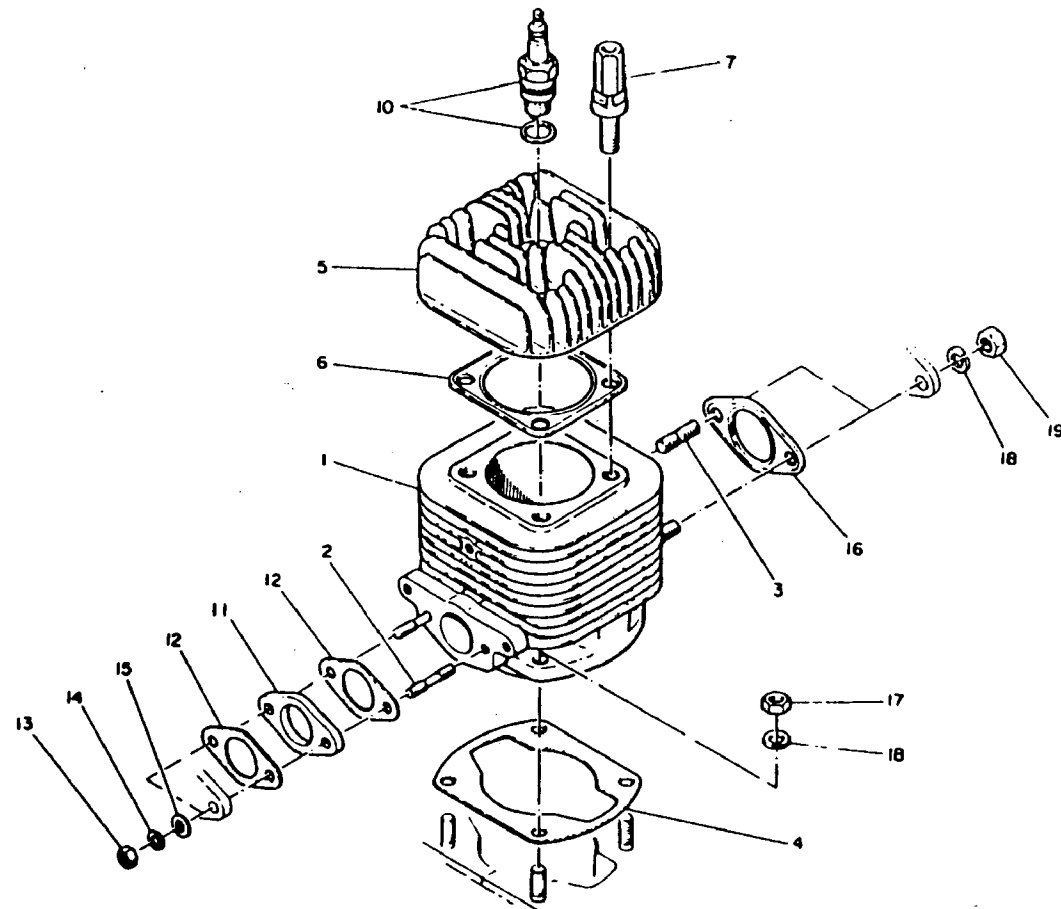
1.

CRANKCASE

[illegible]

2.

CYLINDER

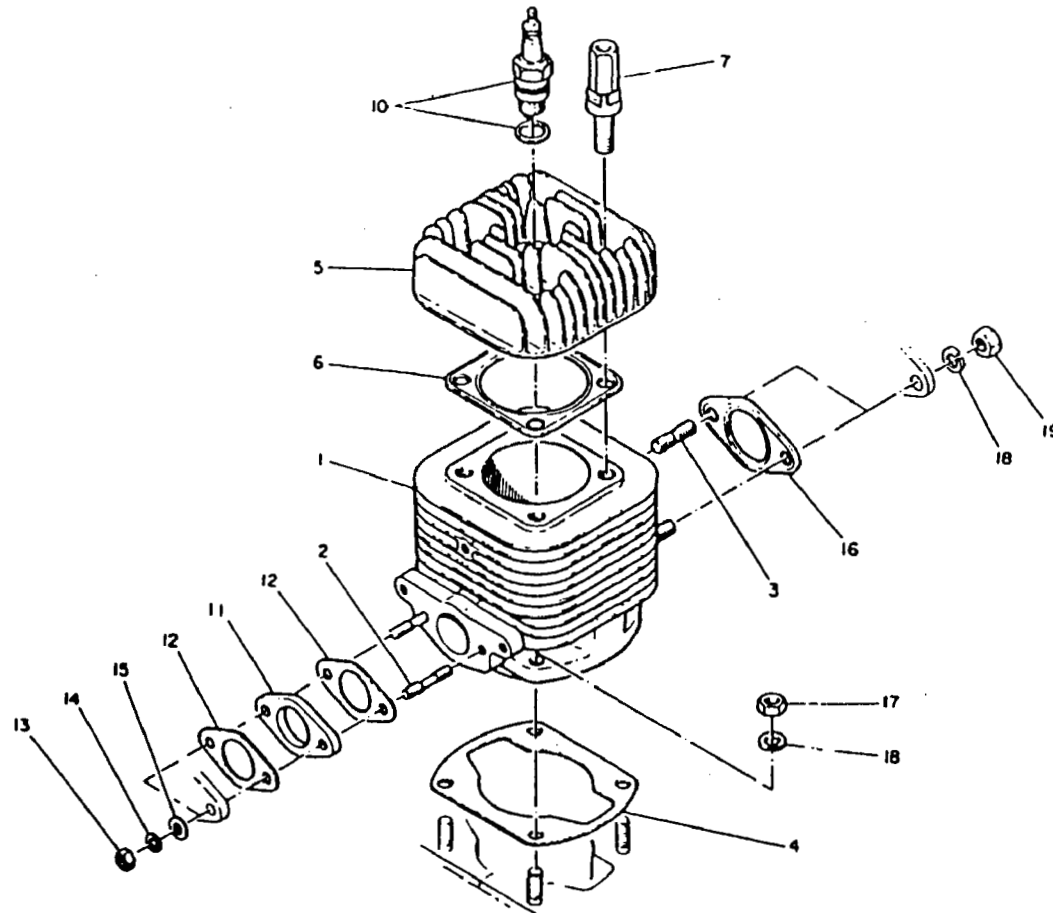


2. CYLINDER

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
* 1	107 12601 21	CYLINDER COMPL.	1	HIGH-SPEED Incl.2~3		
2	001 32063 51	STUD	2	HIGH-SPEED		
3	001 31083 01	STUD	2			
4	107 15002 03	GASKET (cylinder)	1			
5	107 13001 23	CYLINDER HEAD	1			
6	107 15102 01	GASKET COMPL. (head)	1			
7	013 01000 40	HEAD BOLT ASSY	4			
10	065 01400 41	SPARK PLUG	1	HIGH-SPEED NGK B-7HS		
11	107 32903 03	INSULATOR	1	HIGH-SPEED		
12	107 35001 03	GASKET (insulator)	2			
13	002 17060 00	NUT	2			
14	003 20060 00	SPRING WASHER	2			
15	003 10060 00	WASHER	2			
16	107 35101 11	GASKET COMPL. (exhaust)	1	*		
17	002 18080 00	NUT	4			
18	003 20080 00	SPRING WASHER	4			
18	003 20080 00	SPRING WASHER	2	*		

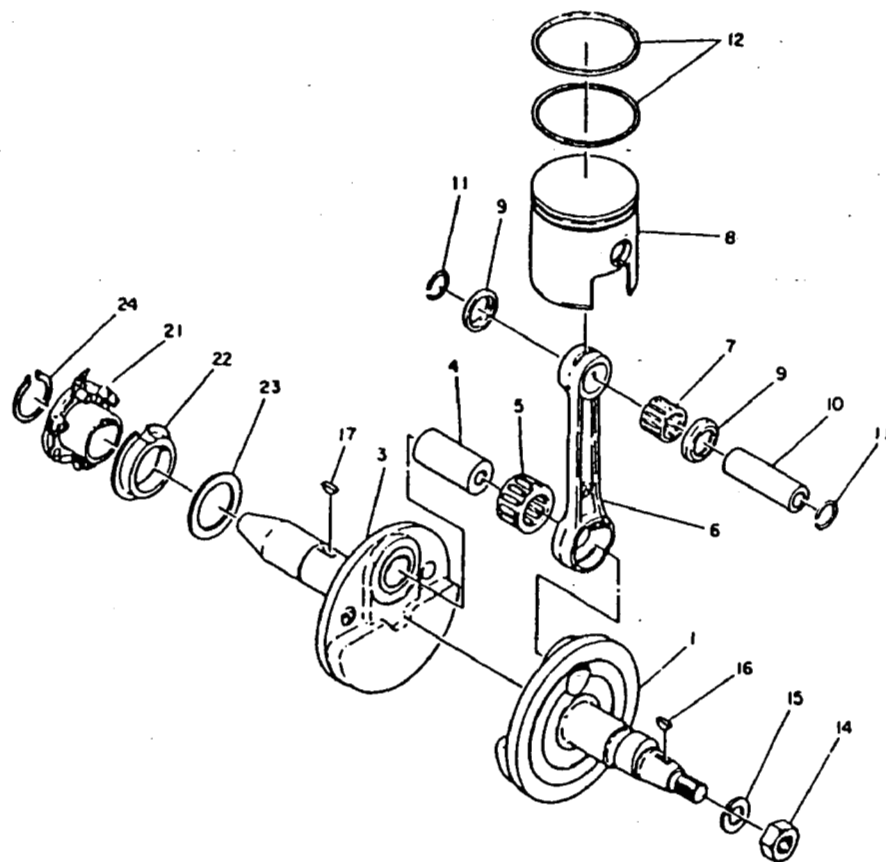
2.

CYLINDER



3.

CRANKSHAFT, PISTON & DRIVING SHAFT



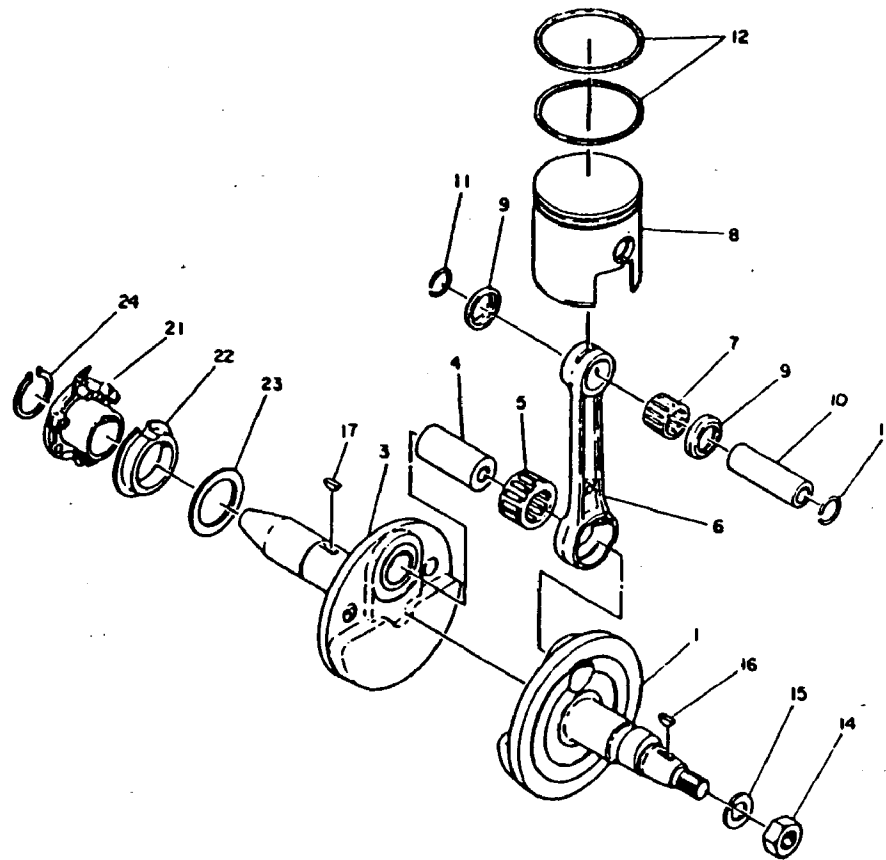
3.

CRANKSHAFT, PISTON & DRIVING SHAFT

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
* 1	107 20202 00	CRANKSHAFT ASSY	1	1. Incl. 1, 4 ~ 6		
7	110 22901 03	SMALL AND BEARING	1			
8	107 23431 01	PISTON COMPL.	1	STD.		
8	107 23432 01	PISTON COMPL.	1	OVER SIZE 0.25mm		
8	107 23433 01	PISTON COMPL.	1	OVER SIZE 0.50mm		
9	110 25003 03	SPACER (piston pin)	2			
10	107 23301 13	PISTON PIN	1			
11	003 14160 00	SNAP RING	2			
12	107 23501 17	PISTON RING SET	1	STD.		
12	107 23502 17	PISTON RING SET	1	OVER SIZE 0.25mm		
12	107 23503 17	PISTON RING SET	1	OVER SIZE 0.50mm		
14	017 01200 10	NUT	1			
15	003 20120 00	SPRING WASHER	1			
16	005 32042 01	WOODRUFF KEY	1			
17	032 30500 30	WOODRUFF KEY	1			
21	107 41701 01	GOVERNOR PLATE COMPL.	1	D for Model D		
22	107 41901 23	GOVERNOR SLEEVE	1			

3.

CRANKSHAFT, PISTON & DRIVING SHAFT



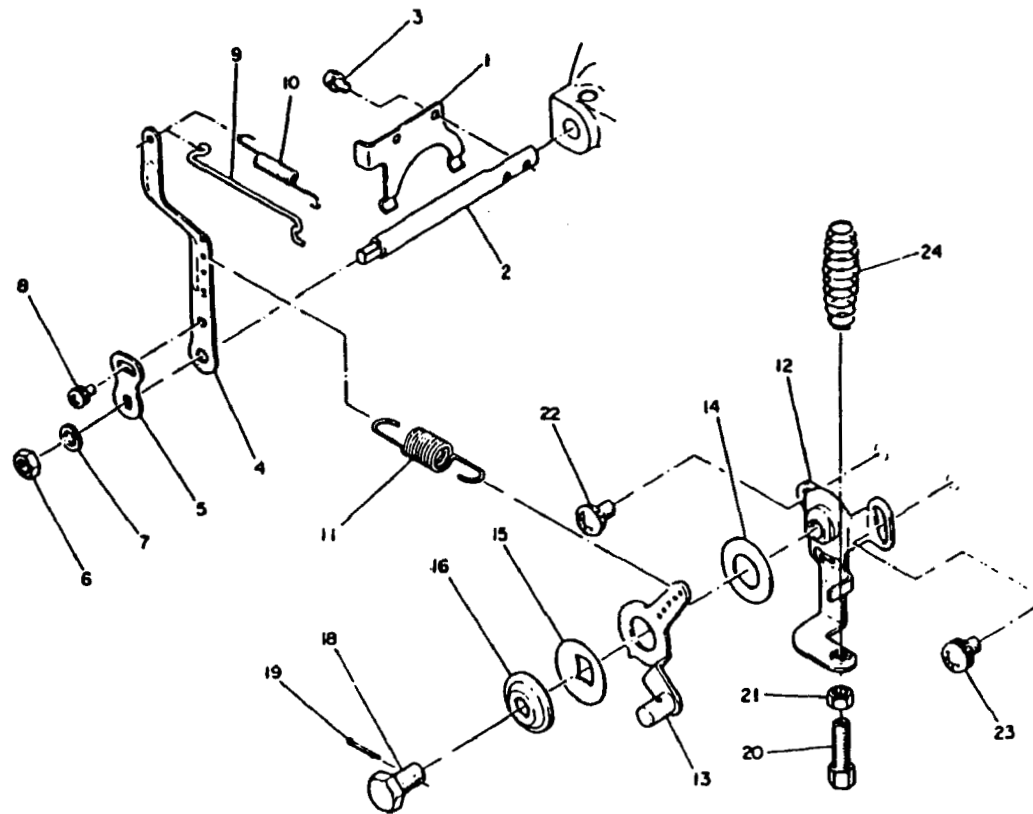
3.

CRANKSHAFT, PISTON & DRIVING SHAFT

[illegible]

4.

GOVERNOR



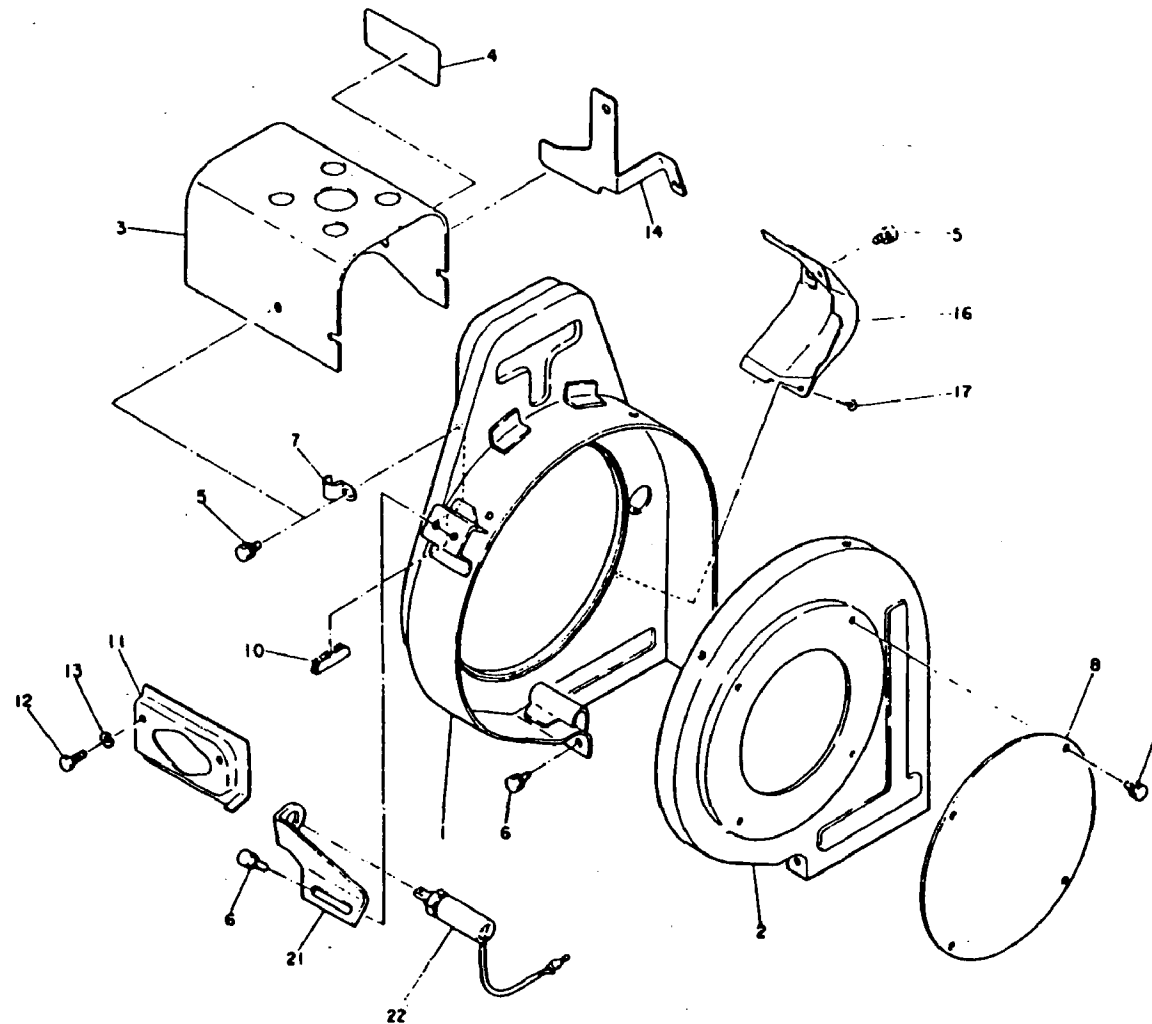
4.

GOVERNOR

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
1	107 42102 03	GOVERNOR YOKE	1			
2	107 42202 03	GOVER SHAFT	1			
3	004 35040 60	SCREW AND WASHER ASSY	2			
4	107 42301 01	GOVER LEVER	1			
5	106 42401 01	ADJUSTING PLATE	1			
6	002 17060 00	NUT	1			
7	003 20060 00	SPRING WASHER	1			
8	004 36040 80	SCREW AND WASHER ASSY	1			
9	107 42703 01	GOVERNOR ROD	1			
10	106 42801 11	ROD SPRING	1			
11	107 42501 11	GOVERNOR SPRING	1			
*12	107 43306 10	GOVERNOR CONTROL ASSY	1	Incl.13~19 for Model DS		
20	014 90600 40	ADJUSTING SCREW	1			
21	002 27060 00	NUT	1			
22	004 35061 00	SCREW AND WASHER ASSY	1			
23	004 36061 00	SCREW AND WASHER ASSY	1			
24	083 00000 10	COIL SPRING	1		*	

5.

BLOWER HOUSING



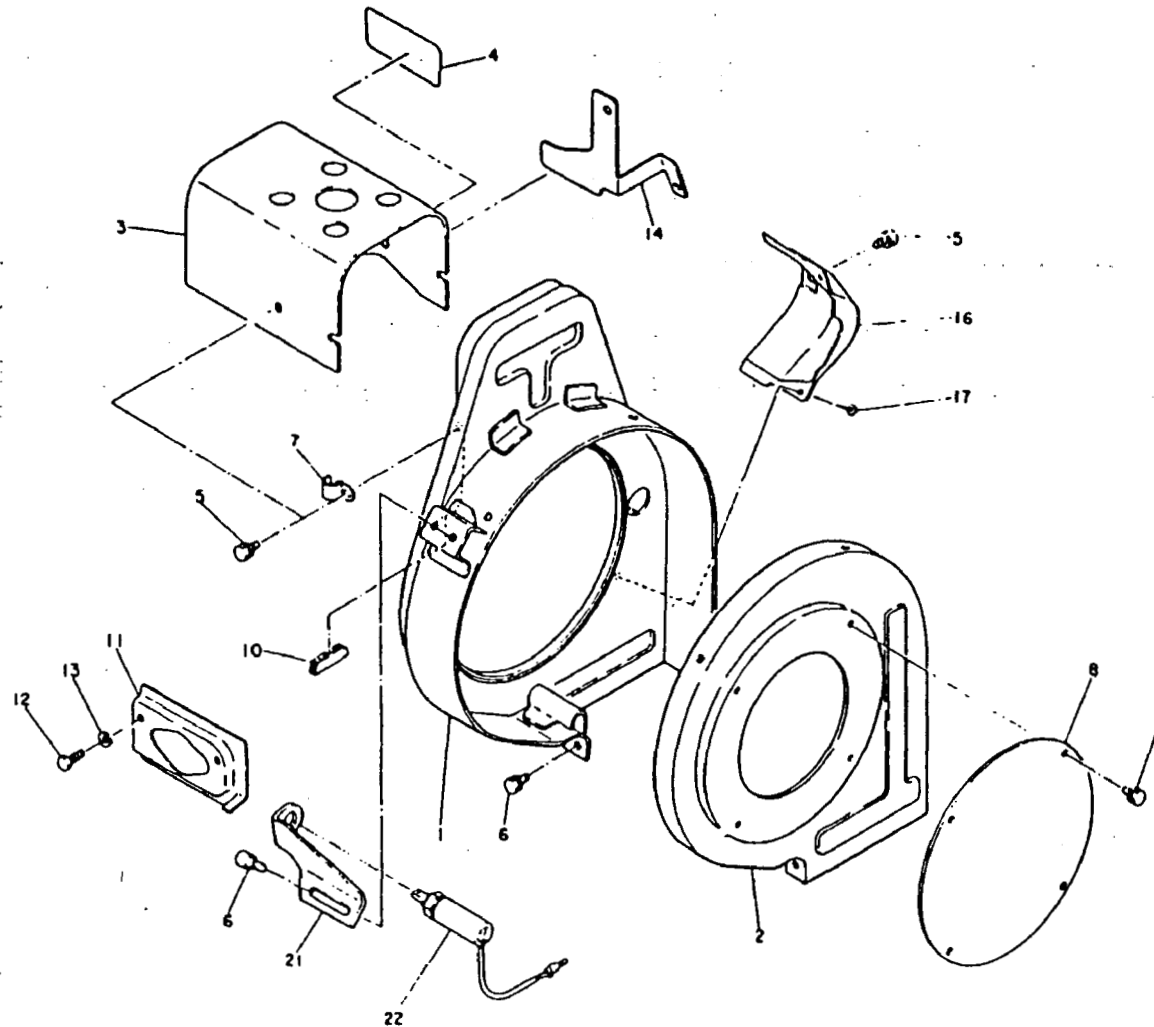
5.

BLOWER HOUSING

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
1	107 52313 01	BLOWER HOUSING COMPL. 1	1			
2	107 52410 01	BLOWER HOUSING COMPL. 2	1			
* 3	107 52901 01	CYLINDER BAFFLE COMPL.	1	for Model DRS Incl.4		
4	107 91809 13	LABEL (engine name)	1	for Model DRS		
5	001 10061 20	BOLT AND WASHER ASSY	7			
6	001 11061 20	BOLT AND WASHER ASSY	8			
7	107 75701 01	CLAMP	1			
8	107 55112 01	PLATE 2	1			
9	001 10061 00	BOLT AND WASHER ASSY	4			
10	107 55115 03	SEALING RUBBER	2			
11	107 55501 13	BAFFLE	1			
12	001 66061 60	BOLT	2			
13	003 20060 00	SPRING WASHER	2			
14	107 55401 13	PLATE	1			
16	107 55310 01	STARTER COVER 1	1			
17	015 00400 10	TAPPING SCREW	2			
21	107 75503 01	BRACKET (solenoid)	1			

5.

BLOWER HOUSING



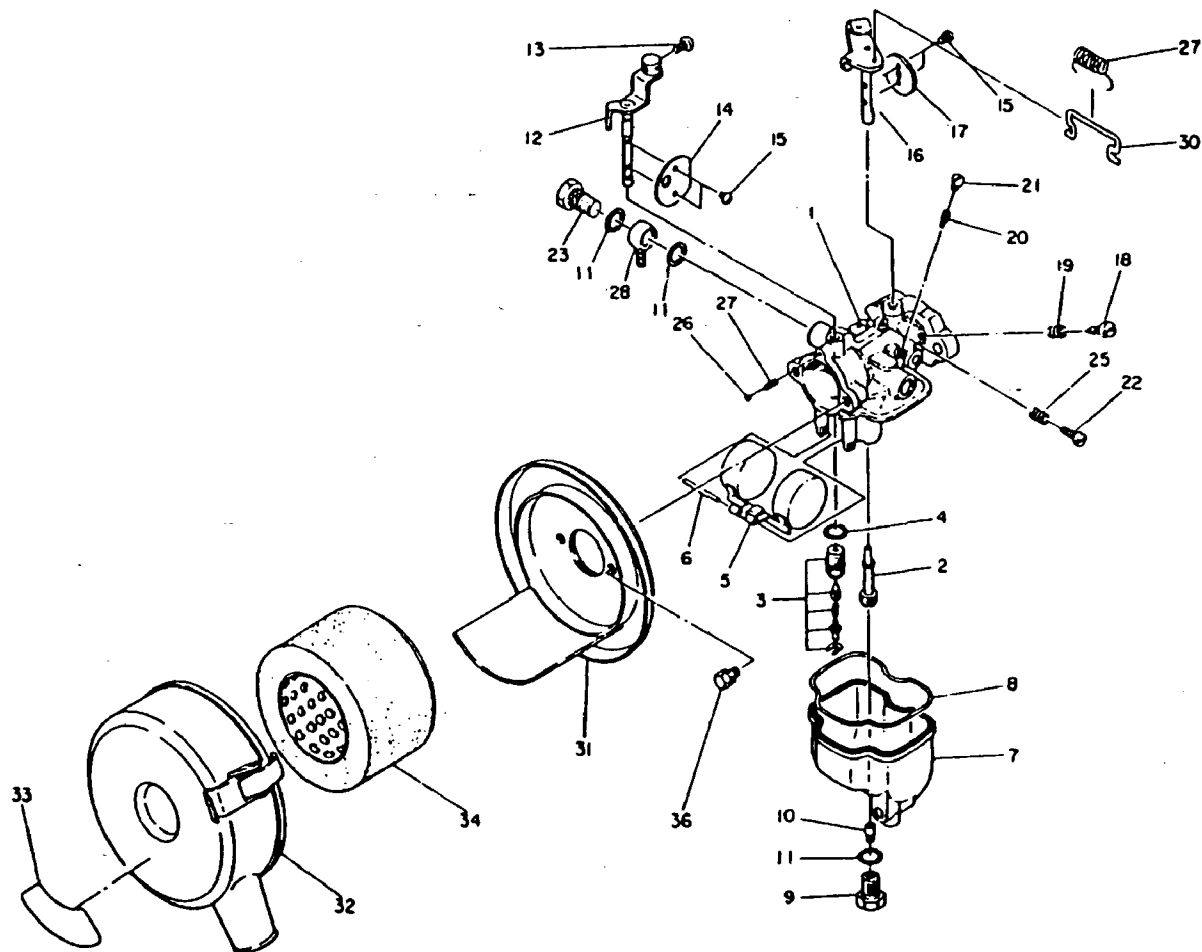
5.

BLOWER HOUSING

[illegible]

6.

CARBURETOR & AIR CLEANER (HIGH SPEED TYPE)



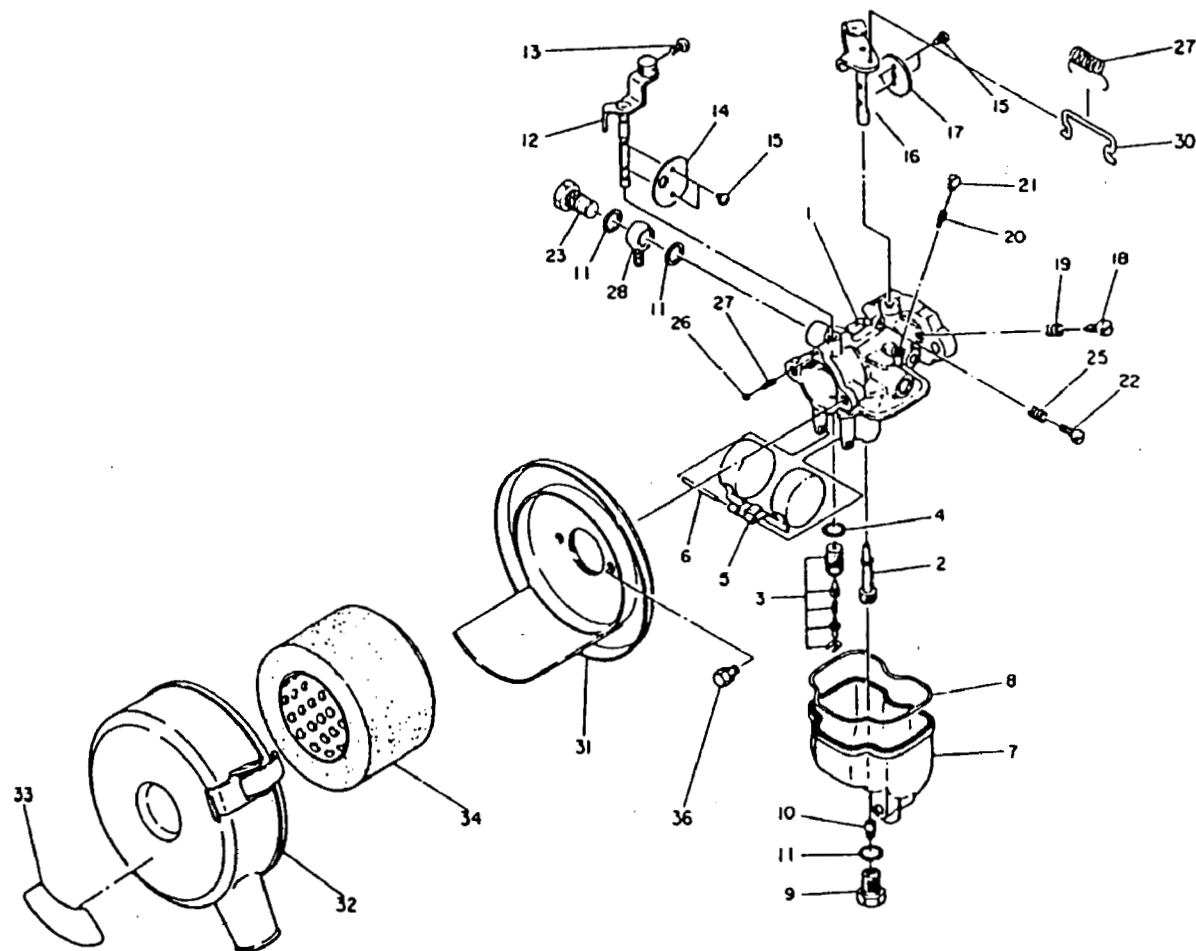
6.

CARBURETOR & AIR CLEANER (HIGH SPEED TYPE)

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
* 1	107 62314 10	CARBURETOR ASSY	1	Incl. 2 ~27		
2	107 62442 08	NOZZLD (7A)	1			
3	107 62502 08	NEEDLE VALVE	1	#2.5		
4	207 62545 08	PACKING	1			
5	207 62505 08	FLOAT	1			
6	110 62515 08	FLOAT PIN	1			
7	207 62350 18	FLOAT CHAMBER BODY	1			
8	207 62540 08	FLOAT CHAMBER PACKING	1			
9	207 62425 08	MAIN JET HOLDER	1			
10	109 62301 08	REVERSE MAIN JET	1	#105		
11	209 62311 08	INSERT WASHER	3			
12	107 62521 08	SHAFT ASSY (choke)	1			
13	209 62354 08	SCREW	1			
14	207 62527 08	CHOKE VALVE	1			
15	209 62351 08	BOLT ASSY	4			
16	107 62530 08	SHAFT ASSY (throttle)	1			
17	107 62536 08	THROTTLE VOLVE	1	#150		

6.

CARBURETOR & AIR CLEANER (HIGH SPEED TYPE)



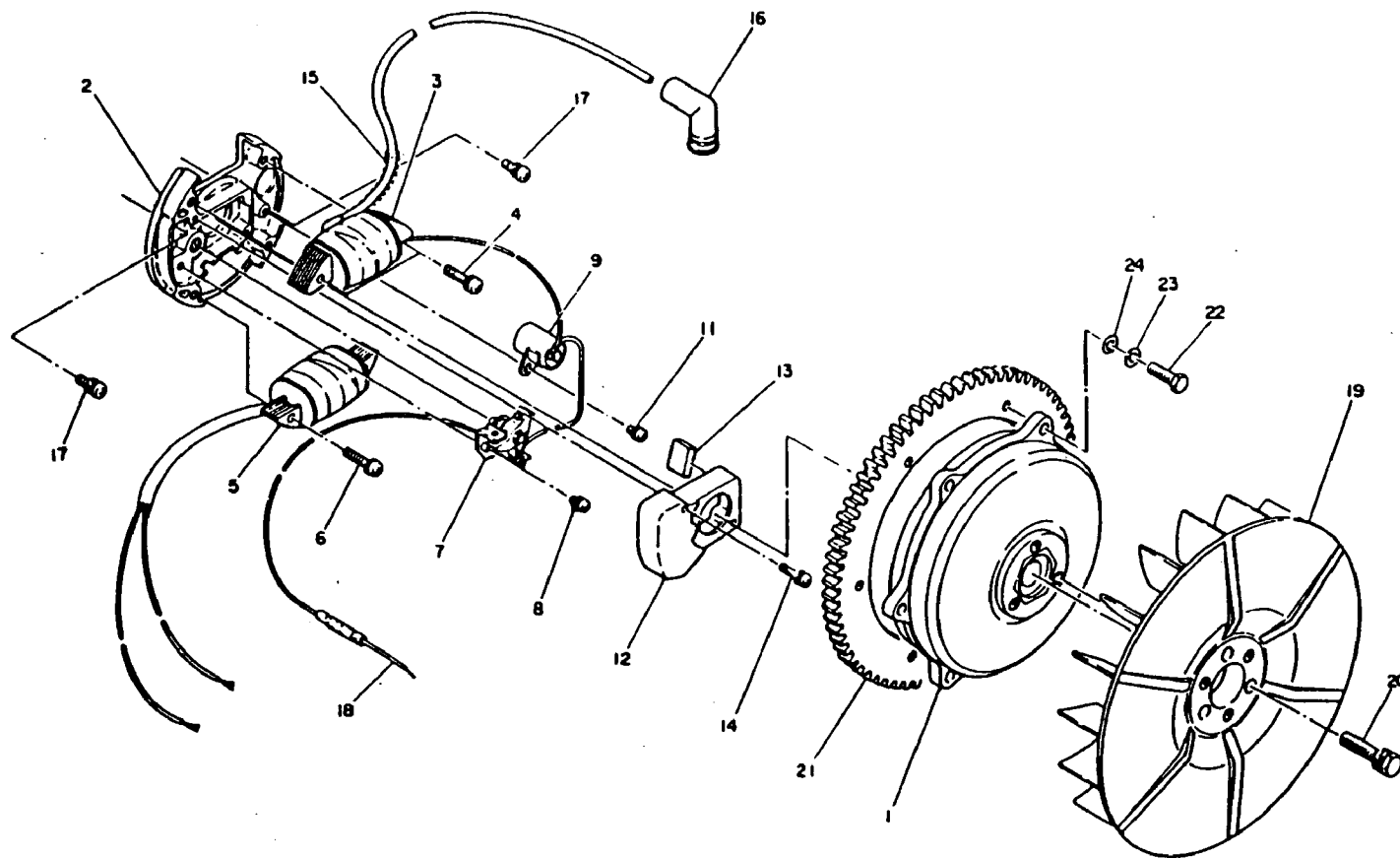
6.

CARBURETOR & AIR CLEANER (HIGH SPEED TYPE)

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
18	209 62305 08	PILOT SCREW	1			
19	209 62445 08	THROTTLE STOP SPRING	1			
20	106 62423 08	PILOT JET	1	#40		
21	106 62360 08	PILOT PLUG	1			
22	107 62362 08	SCREW	1			
23	107 62337 08	BANJO BOLT	1			
25	107 62363 08	THROTTLE STOP SPRING	1			
26	209 62353 08	STEEL BALL	1			
27	209 62446 08	CHOKE SPRING	1			
28	052 11000 11	BANJO	1			
29	107 42803 01	ROD SPRING	1	for solenoid		
30	107 42704 21	GOVERNOR ROD	1	for solenoid		
31	107 32710 00	AIR CLEANER ASSY	1	Incl. 32 ~ 34	*	
33	207 32737 08	LABEL	1		*	
34	107 32610 08	ELEMENT	1		*	
36	001 10061 20	BOLT AND WASHER ASSY	2			

7.

MAGNETO

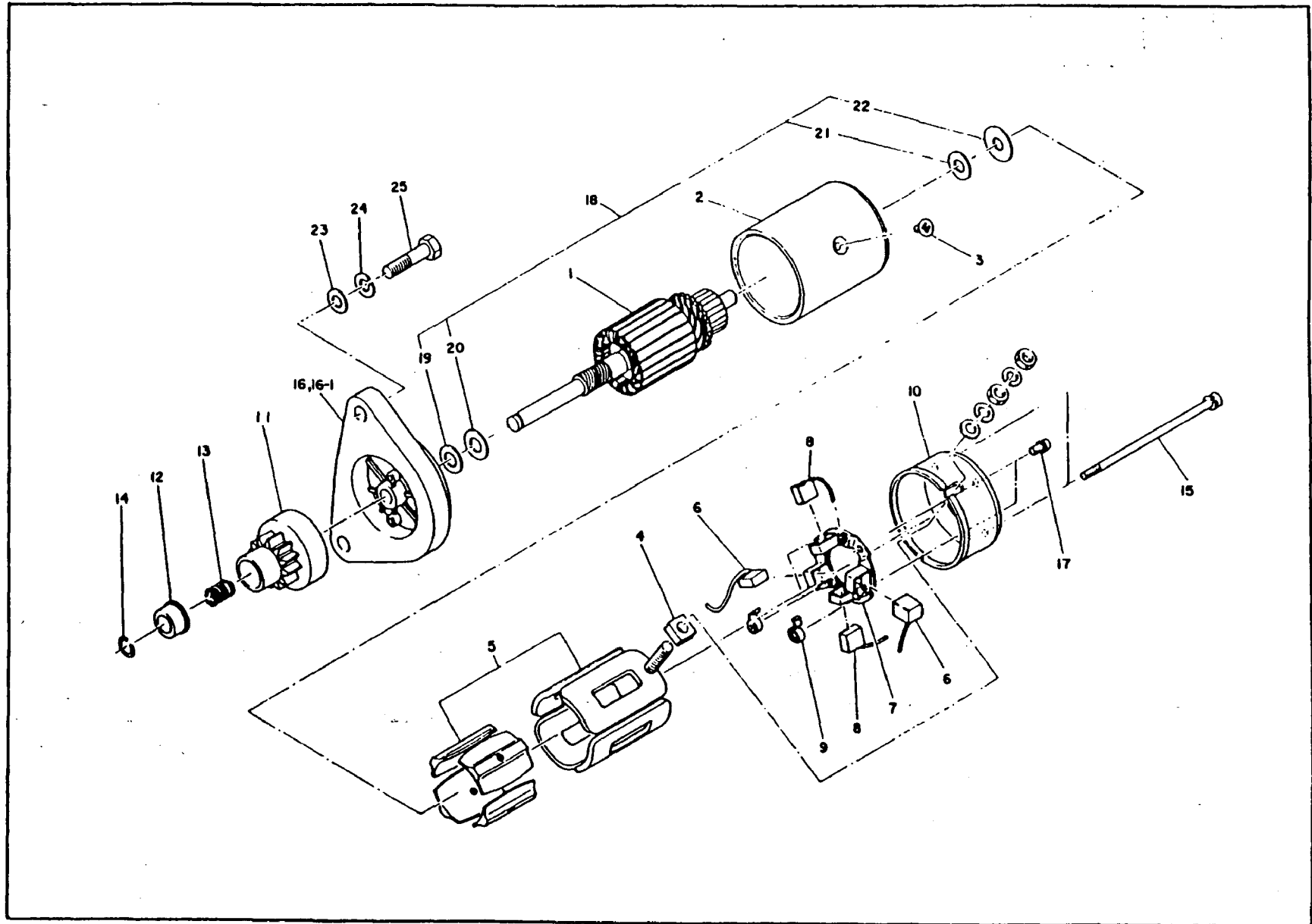


7. MAGNETO

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
* 1	107 70131 00	MAGNETO ASSY	1	Incl.1~4, 7~15		
1	107 70127 08	FLYWHEEL COMPL.	1			
2	107 70108 08	CENERATING ASSY	1	Incl.2~15		
3	107 70132 08	IGNITION COIL	1			
4	107 70150 08	SCREW AND WASHER ASSY	2			
5	107 70145 08	CHARGE COIL	1			
6	107 70151 08	SCREW AND WASHER ASSY	2			
7	107 70215 08	BREAKER COMPL.	1			
8	107 70160 08	SCREW AND WASHER ASSY	1			
9	107 70210 08	CONDENSER COMPL.	1			
11	107 70152 08	SCREW AND WASHER ASSY	1			
* 12	107 70220 08	BREAKER COVER	1	Incl.14		
13	107 70225 08	OIL FELT	1			
14	107 70153 08	SCREW AND WASHER ASSY	2			
16	065 50000 50	SPARK PLUG CAP	1			
17	004 36061 60	SCREW AND WASHER ASSY	2			
18	107 73501 01	WIRE (5) COMPL.	1			

8.

STARTING MOTOR



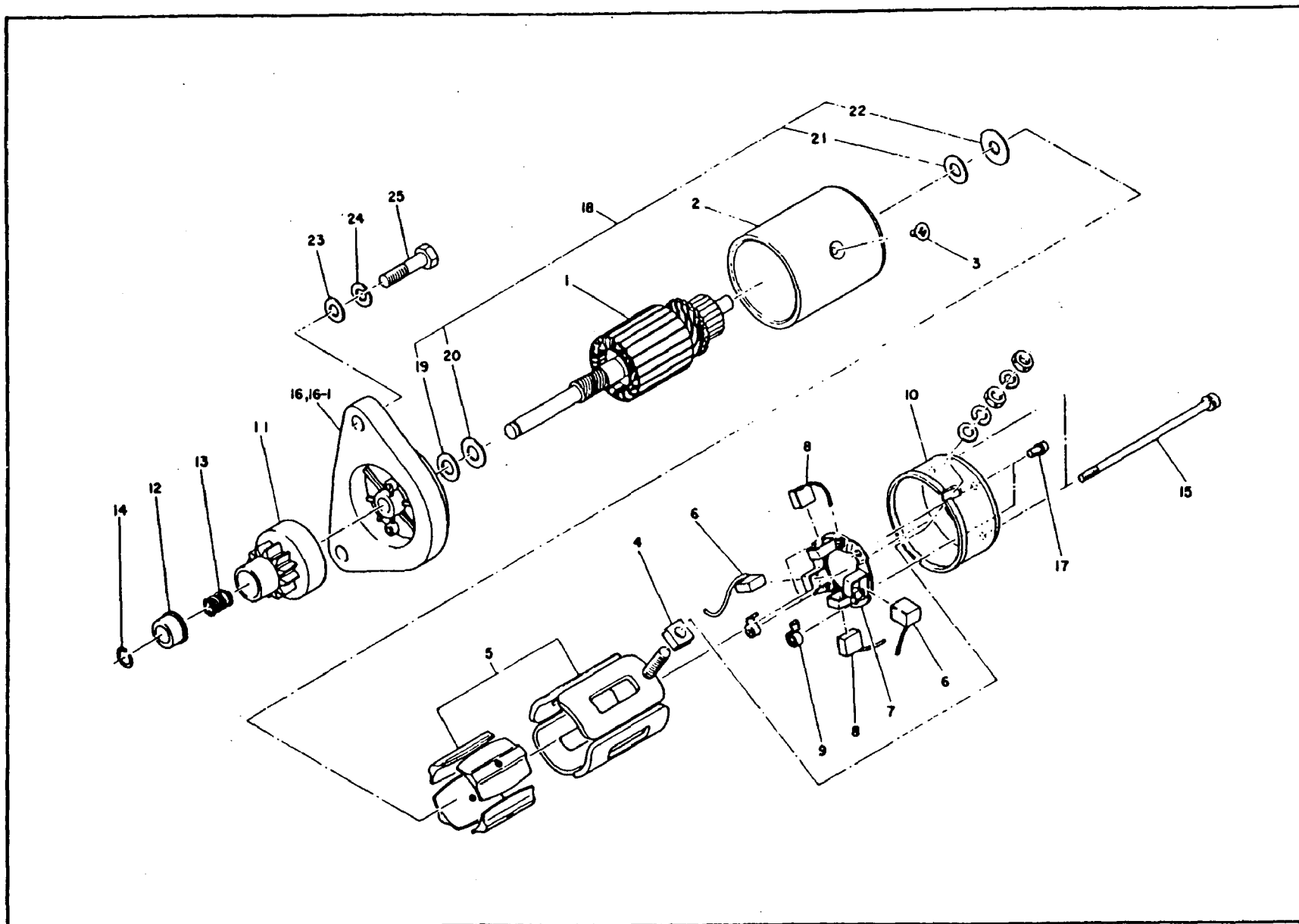
8.

STARTING MOTOR

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
*1	107 70501 00	STARTING MOTOR ASSY	1	Incl.2 ~ 22		
6	210 70539 08	BRUSH (+)	2			
7	107 70530 08	BRUSH HOLDER ASSY	1	Incl.8,9		
8	210 70540 08	BRUSH (-)	2			
9	210 70541 08	BRUSH SPRING	4			
10	107 70505 08	REAR COVER ASSY	1			
11	107 70559 08	PINION ASSY	1			
12	214 70551 08	PINION STOPPER	1			
13	214 70554 08	RETURN SPRING	1			
14	214 70552 08	CLIP	1			
15	107 70562 08	BOLT	2			
16-1	107 70501 08	FRONT COVER ASSY	1			
16	214 70560 08	FRONT METAL	1			
17	004 31041 20	SCREW	2			
18	214 70555 08	WASHER KIT	1			
23	003 10080 00	WASHER	2			
24	003 20080 00	SPRING WASHER	2			

8.

STARTING MOTOR



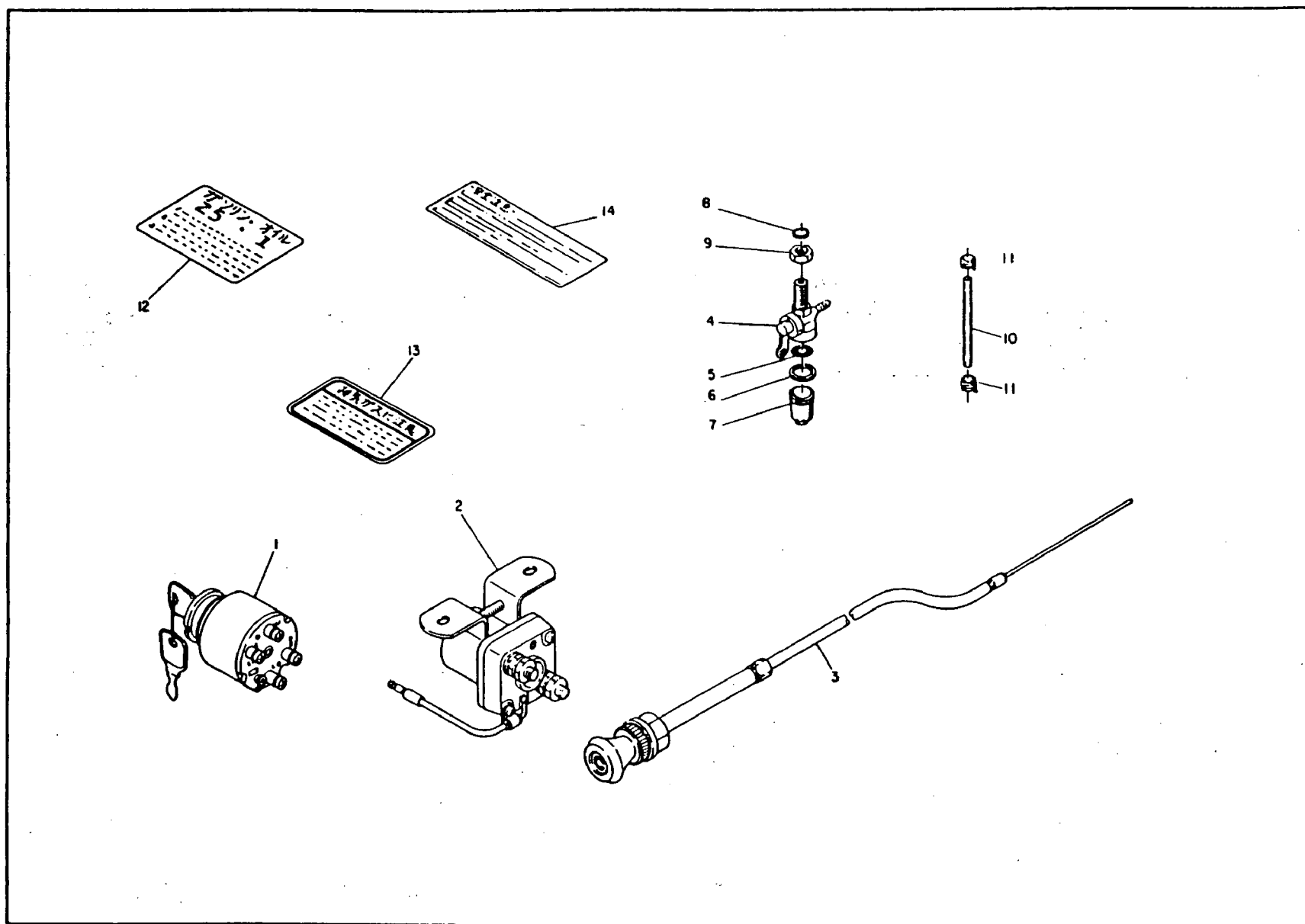
8.

STARTING MOTOR

[illegible]

9.

THE PARTS TO BE SHIPPED INDEPENDENTLY

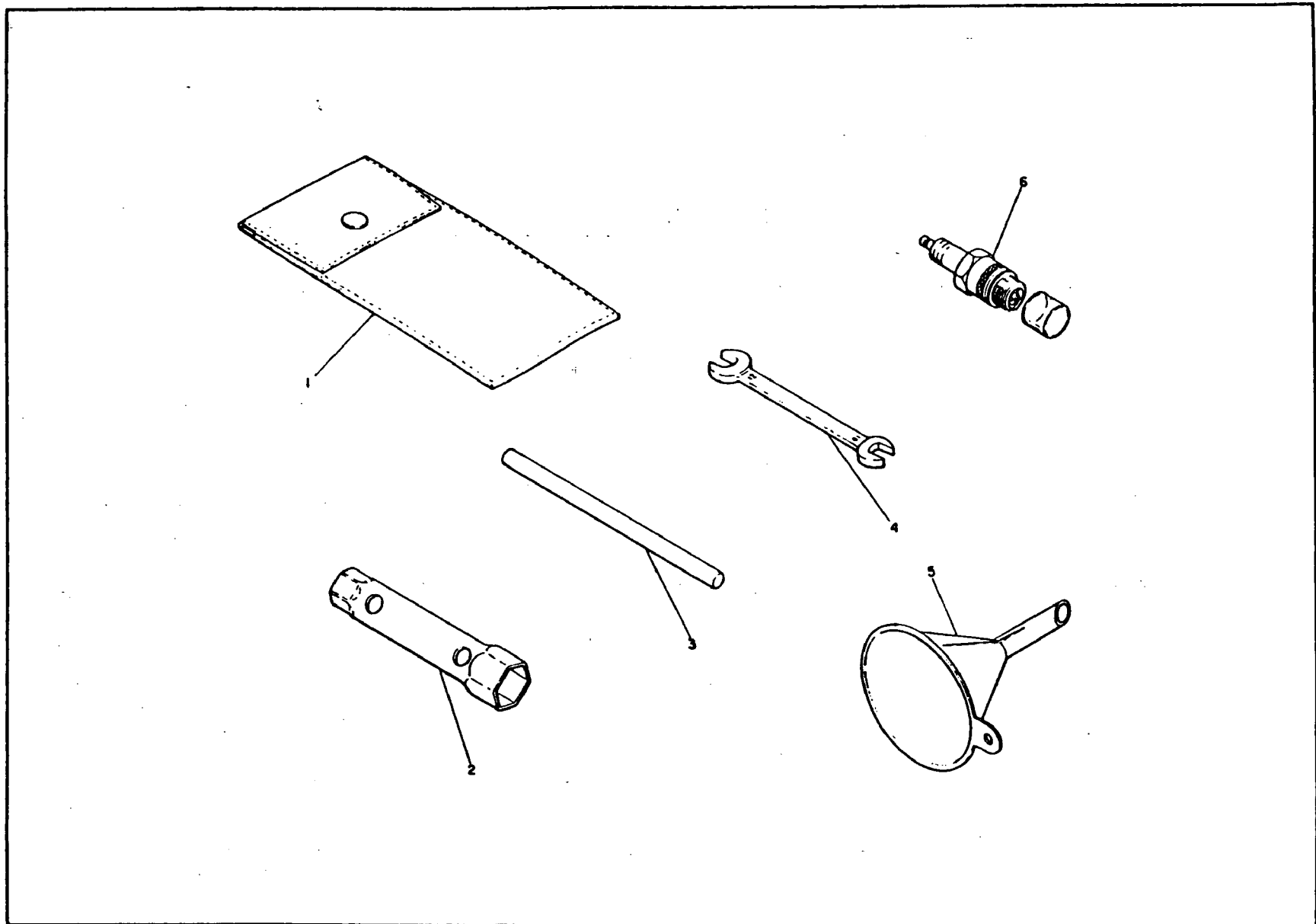


9. THE PARTS TO BE SHIPPED INDEPENDENTLY

Ref. No.	Parts Number	Parts Name	Q'ty	Description		
1	066 00001 10	SWITCH	1	*		
2	214 77001 10	MAGNETIC SWITCH	1	*		
3	107 75602 11	CHOKE WIRE COMPL.	1	*		
* 4	064 20038 00	FUEL STRAINER	1	Incl. 5~7 *		
5	064 20014 20	SCREEN	1	*		
6	064 20014 30	RUBBER PACKING	1	*		
7	064 20014 10	CUP	1	*		
8	064 20003 30	O RING	1	*		
9	064 20029 20	LOCK NUT	1	*		
10	056 11100 20	HOSE CLAMP	2	*		
11	085 10401 40	RUBBER PIPE	1	0.014M 4.5φx11φ *		
12	106 92004 03	LABEL (caution)	1	*		
13	073 20009 00	LABEL (caution)	1	*		
14	129 92002 03	LABEL (caution)	1	*		

10.

ACCESSORIES & OPTIONAL EQUIPMENTS



10.

ACCESSORIES & OPTIONAL EQUIPMENTS

[illegible]

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES

NOTES



Robin America, Inc.

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