

**Robin Industrial Engines®**

# **OEM PARTS MANUAL**

**Model**

**EC6D SHINDAIWA**

1193M302



**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
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DIESEL

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

## Introduction

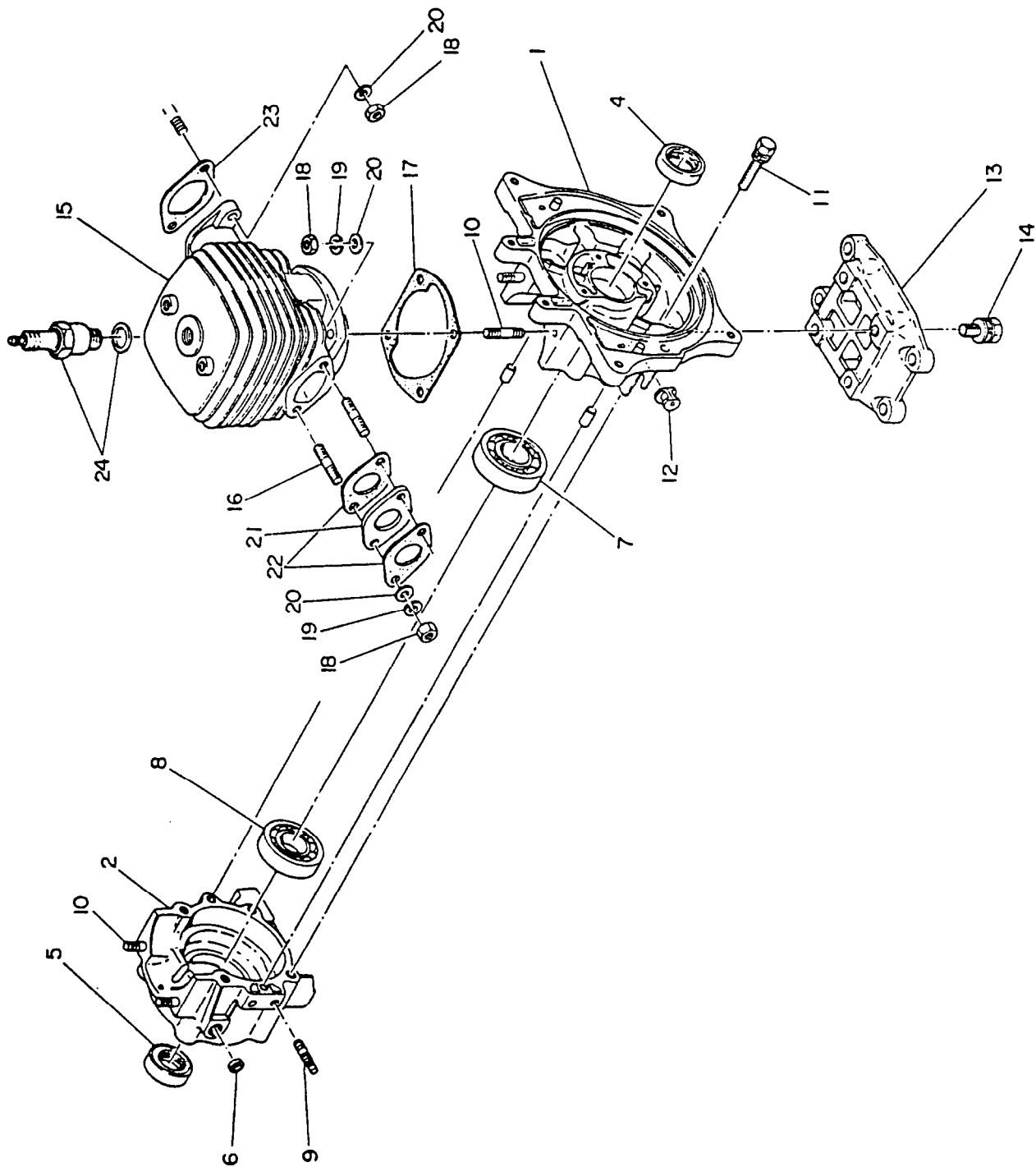
This catalog is designed to identify **Robin Engine** parts.

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.

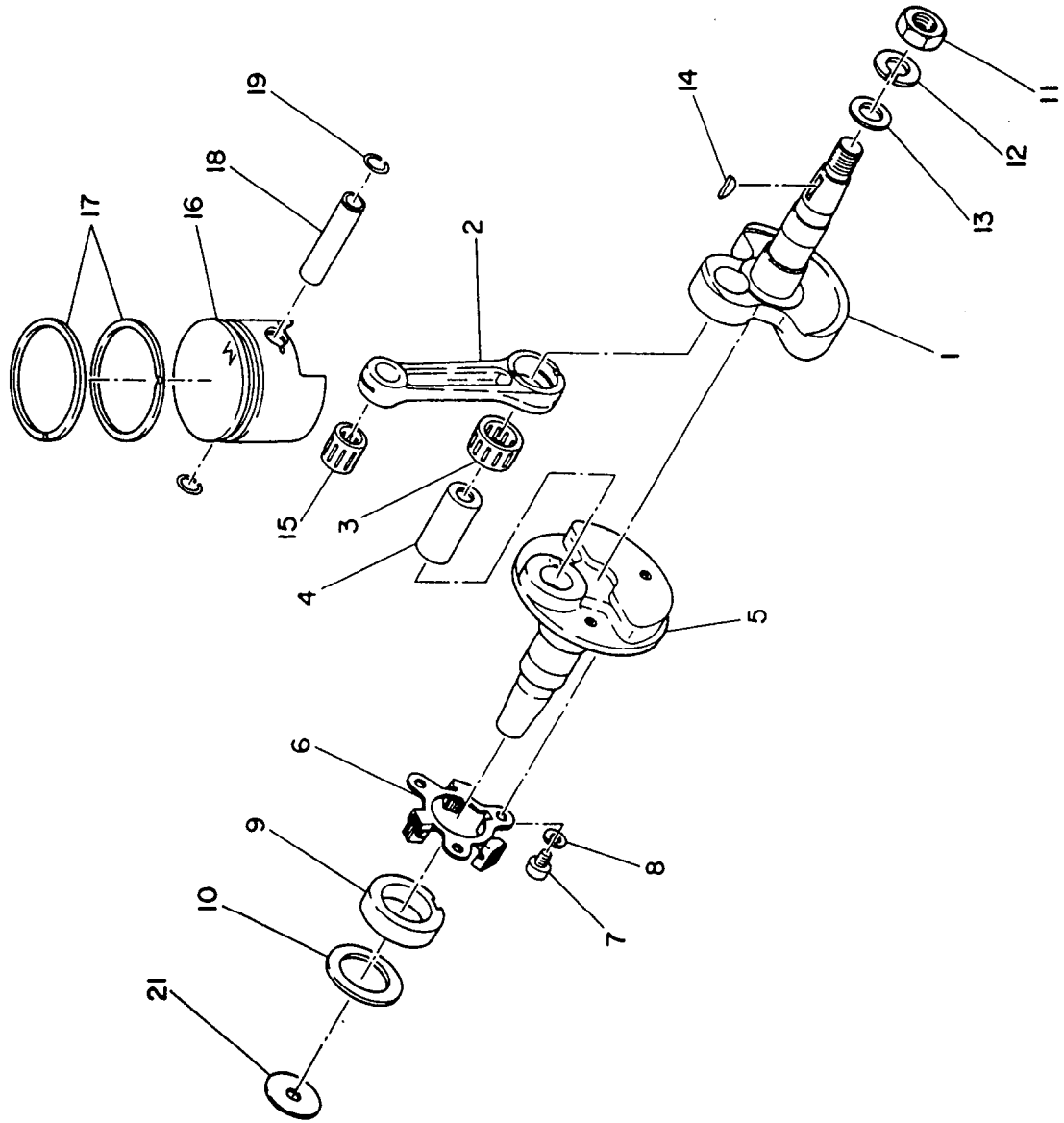
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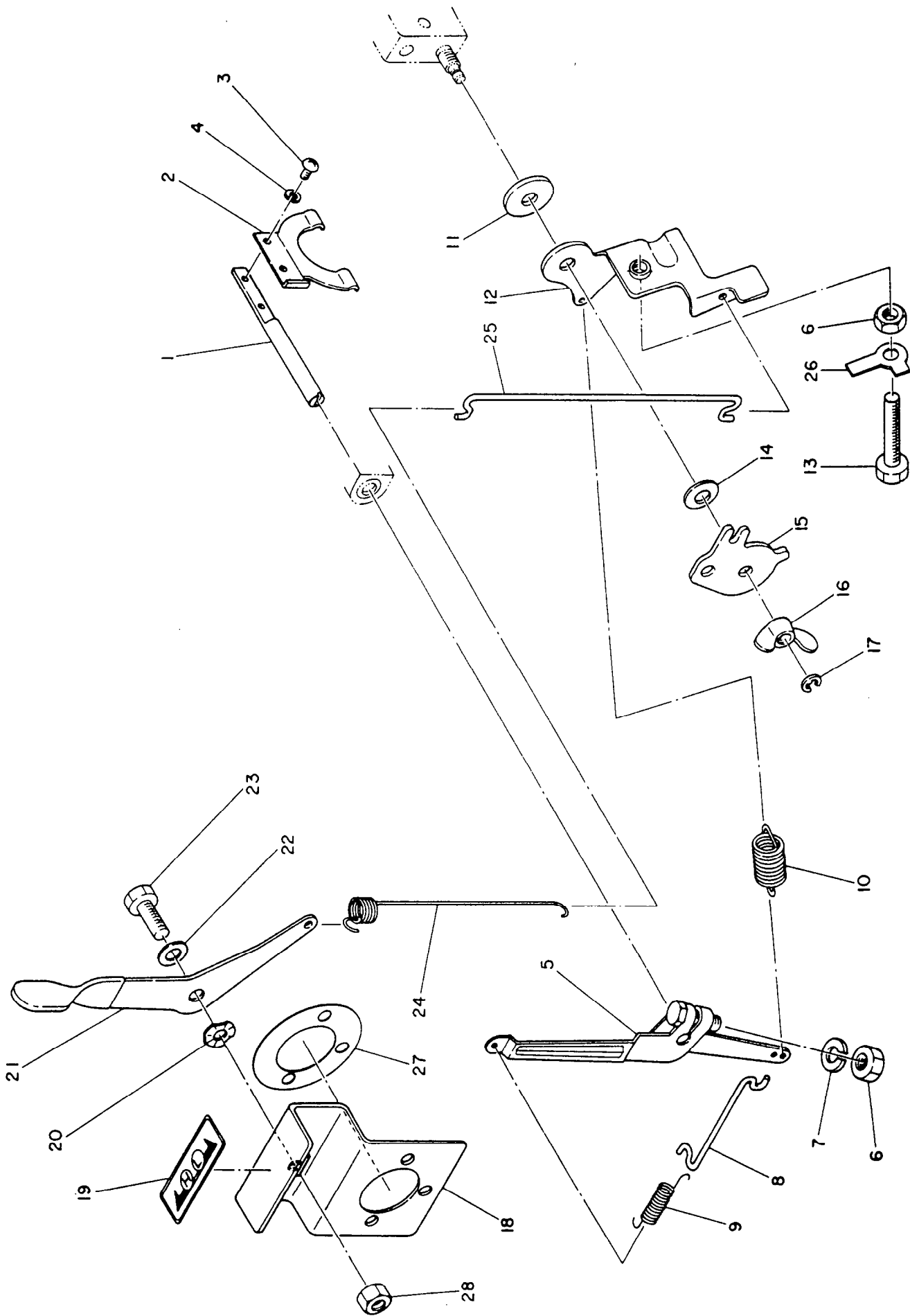
1. CRANKCASE and CYLINDER

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Number</u>	<u>Q'ty</u>	<u>Description</u>
1	ECO5A-0106	CRANKCASE COMPL.	1	Incl. 2, 4~10
1	ECO6A-S0078	CRANKCASE COMPL.	1	Incl. 2, 4~10
4	044 01799 30	OIL SEAL	1	TC17286
5	044 02000 20	OIL SEAL	1	TC20307
6	044 00600 10	OIL SEAL	1	
7	060 02000 20	BALL BEARING	1	S-BB6204C3
8	060 02000 10	BALL BEARING	1	S-BB6004C3
9	010 50600 50	STUD	1	
10	010 50650 00	STUD	4	
11	001 14064 50	BOLT AND WASHER ASSY.	4	
12	ECO5A-7102	GROMMET	1	
13	129 13404 03	BASE	1	
14	001 14082 00	BOLT AND WASHER ASSY.	4	
15	ECO6A-0110	CYLINDER COMPL.	1	Incl. 16
16	010 50649 70	STUD	2	
17	ECO5A-1111	GASKET (cylinder)	1	
18	002 18060 00	NUT	8	
19	003 20060 00	SPRING WASHER	6	
20	003 10060 00	WASHER	8	
21	ECO5A-3101	INSULATOR	1	
22	ECO5A-3102	GASKET (insulator)	2	
23	ECO5A-3110	GASKET (muffler)	1	
24	065 01400 31	SPARK PLUG	1	NGK B6HS
24	065 01401 50	SPARK PLUG	1	NGK BR6HS



## 2. CRANKSHAFT and PISTON

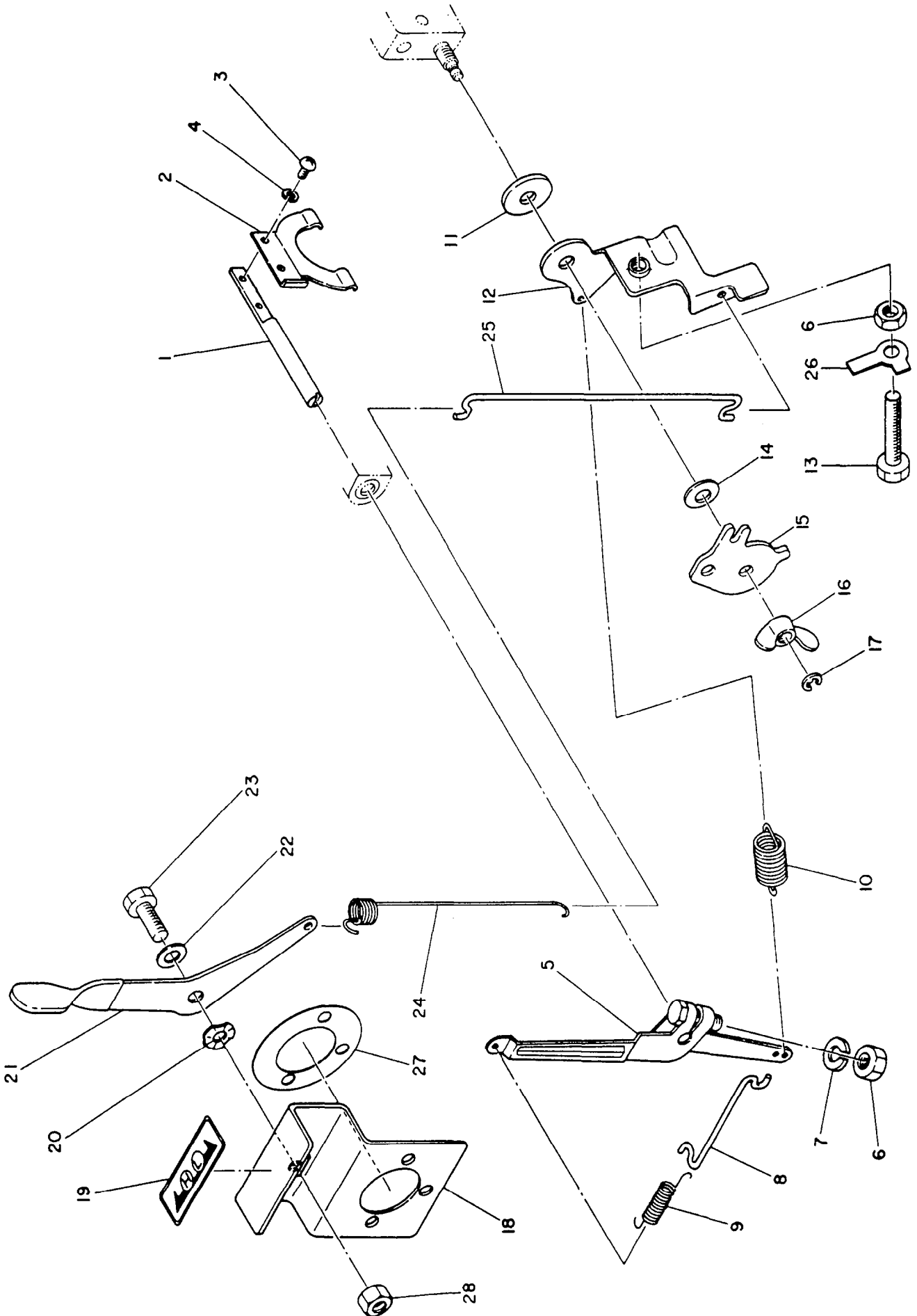
<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
1	ECO6A-0204a	CRANKSHAFT ASSY.	1	Incl. 2~5
6	129 41703 12	GOVERNOR PLATE UNIT	1	
7	004 31050 80	SCREW	3	
8	003 20050 00	SPRING WASHER	3	
9	ECO5A-4102	GOVERNOR SLEEVE	1	
10	023 02300 20	SPACER	1	
11	002 18100 00	NUT	1	
12	003 20100 00	SPRING WASHER	1	
13	003 10100 00	WASHER	1	
14	005 32042 00	WOODRUFF KEY	1	
15	061 01200 10	NEEDLE BEARING	1	
16	ECO6A-2104a	PISTON	1	
17	ECO6A-0230	PISTON RING SET	1	
18	ECO6A-2105a	PISTON PIN	1	
19	056 51199 90	CLIP	2	
21	020 00600 40	WASHER	1	





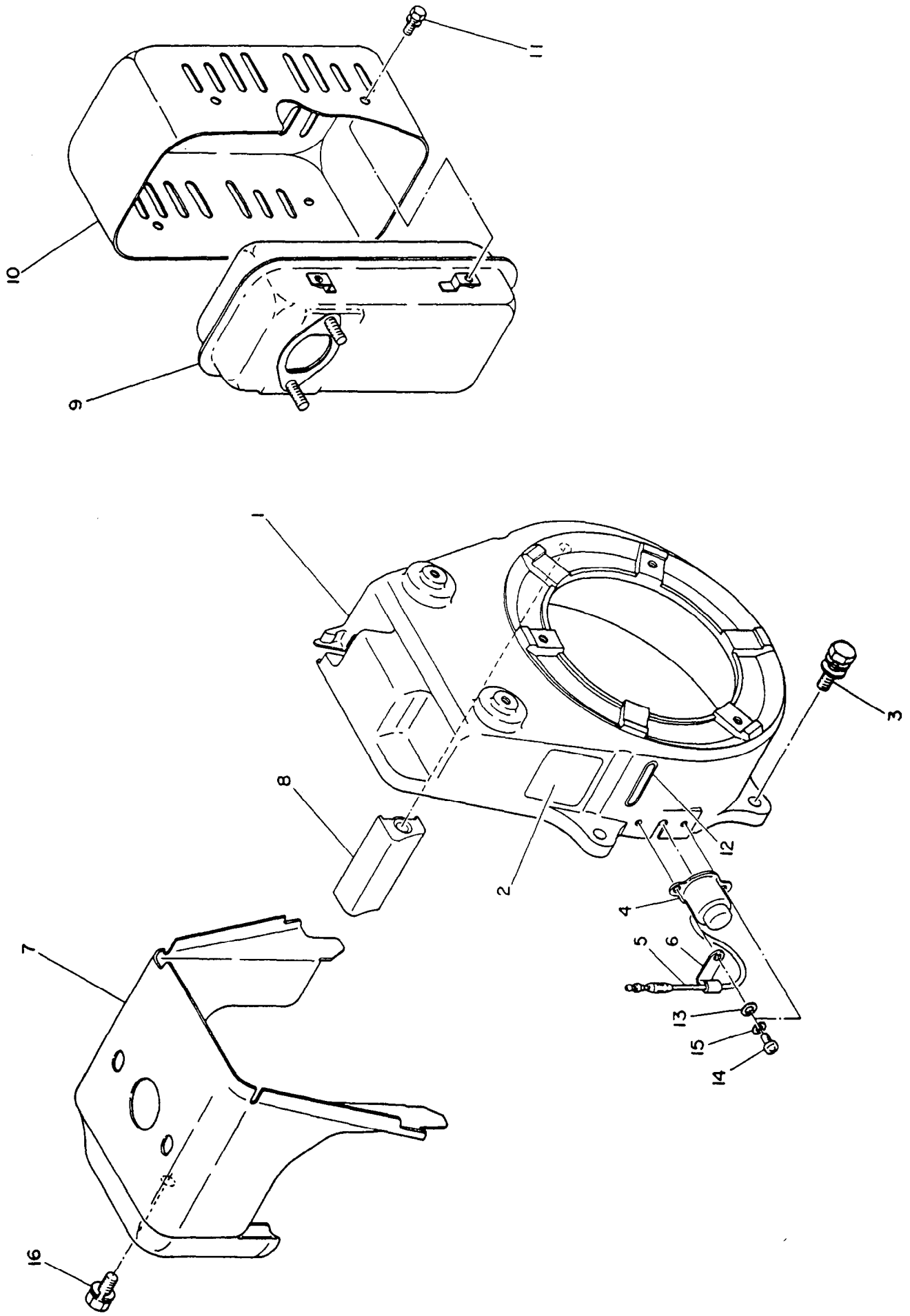
### 3. GOVERNOR

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
1	129 42201 03	GOVERNOR SHAFT	1	
2	129 42101 13	GOVERNOR YOKE	1	
3	004 31030 50	SCREW	2	
4	003 20030 00	SPRING WASHER	2	
5	129 42301 11	GOVERNOR LEVER COMPL.	1	
6	002 17060 00	NUT	1	
7	003 20060 00	SPRING WASHER	1	
8	105 42701 11	GOVERNOR ROD	1	
9	106 42801 11	ROD SPRING	1	
10	ECO6A-4120	GOVERNOR SPRING	1	
11	021 70600 20	FRICTION WASHER	1	
12	ECO6A-4115	SPEED CONTROL LEVER	1	
13	001 65064 00	BOLT	1	
14	020 00700 10	WASHER	1	
15	ECO5A-4103	STOPPER PLATE	1	
16	017 80600 10	WING NUT	1	
17	129 45001 03	CLIP	1	
18	ECO6A-0409	CONTROL PLATE COMPL.	1	
20	003 22080 00	WAVE WASHER	1	
21	ECO6A-0411	THROTTLE LEVER COMPL.	1	
22	003 10060 00	WASHER	1	
23	001 65061 60	BOLT	1	
24	ECO6A-4116	THROTTLE SPRING	1	
25	ECO6A-4117	THROTTLE ROD	1	



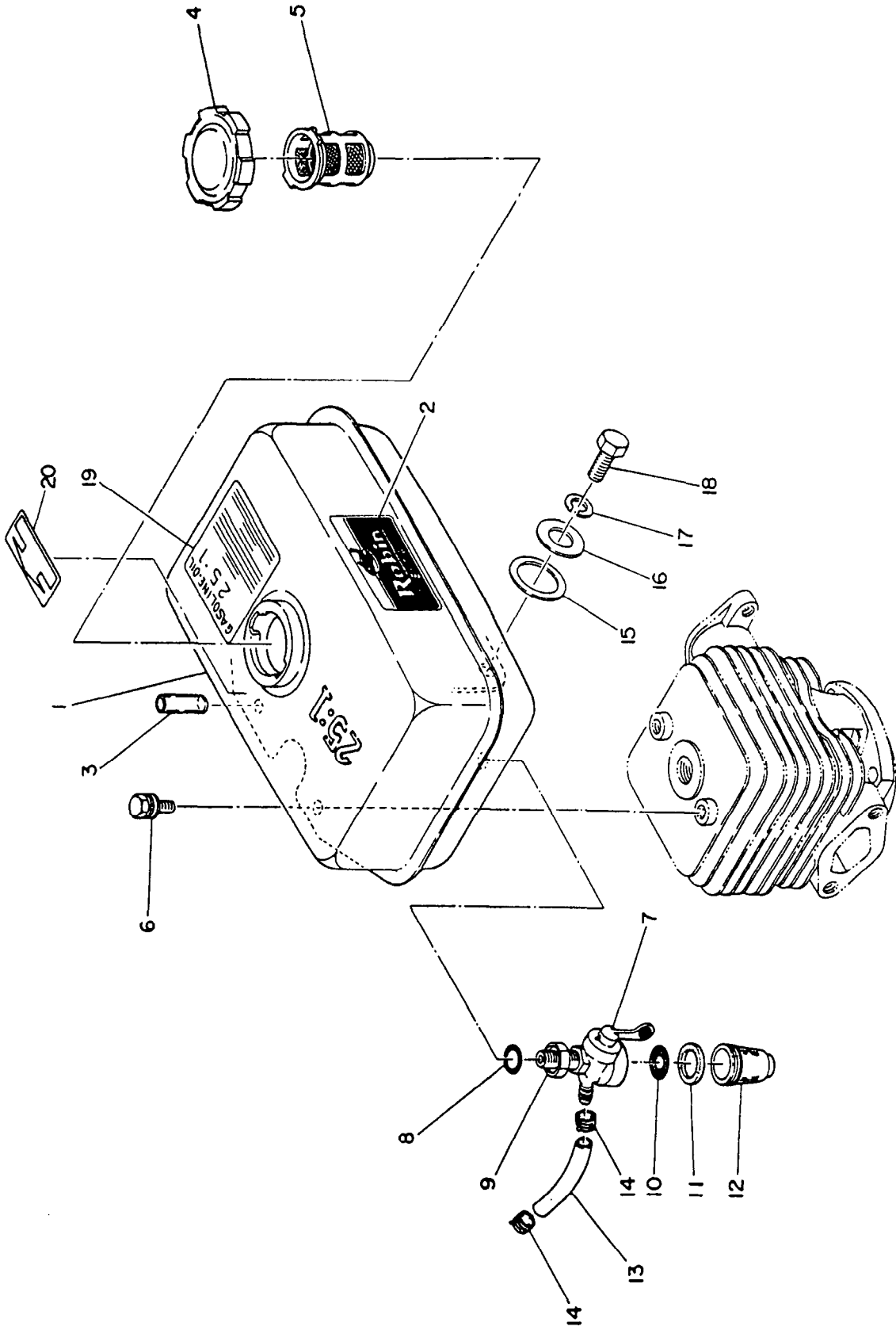
3. GOVERNOR

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
26	003 38060 00	LOCK WASHER	1	
27	ECO6A-4119	PACKING	1	
28	002 18060 00	NUT	1	



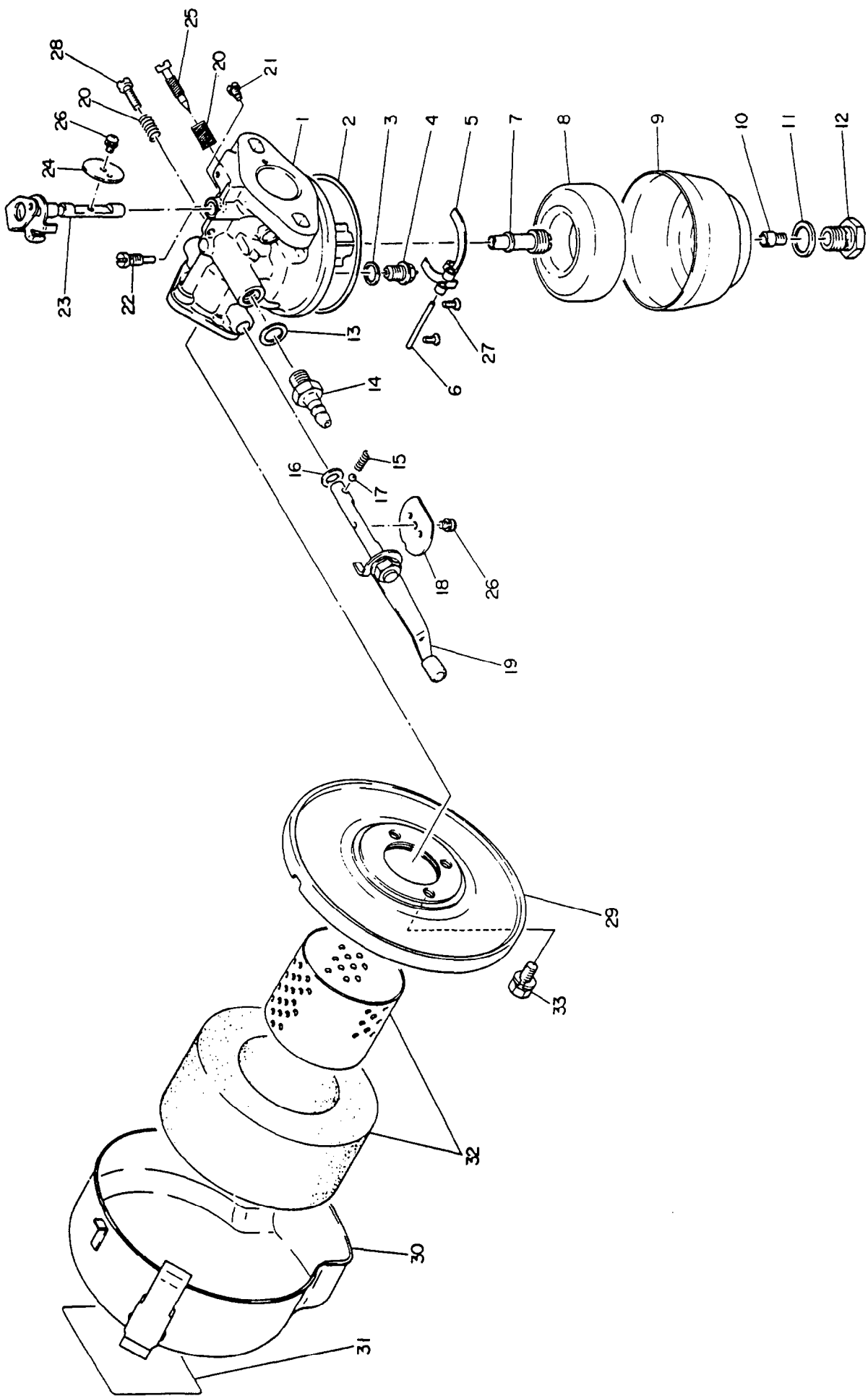
4. MUFFLER and BLOWER HOUSING

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
1	ECO6A-5121EA	BLOWER HOUSING	1	
2	ECO6A-9113	LABEL (engine name)	1	Japanese
2	ECO6A-9121	LABEL (engine name)	1	English
3	001 11062 00	BOLT AND WASHER ASSY.	4	
4	066 20000 11	STOP BUTTON	1	
5	ECO6A-0720	STOP BUTTON WIRE COMPL.	1	
6	056 60300 10	CLAMP	1	
7	ECO5A-0120 EA	CYLINDER COVER UNIT	1	
8	ECO5A-5102	GUIDE RUBBER	1	
9	ECO6A-0310aTA	MUFFLER COMPL.	1	
10	ECO5A-3111SA	MUFFLER COVER	1	
11	001 10061 00	BOLT ASSY.	4	
12	P301-英-511a	LABEL	1	English
12	073 73099 71	LABEL	1	Japanese
13	003 10040 00	WASHER	1	
14	004 31040 60	SCREW	2	
15	003 20040 00	SPRING WASHER	2	
16	001 11061 20	BOLT ASSY.	1	



## 5. FUEL TANK

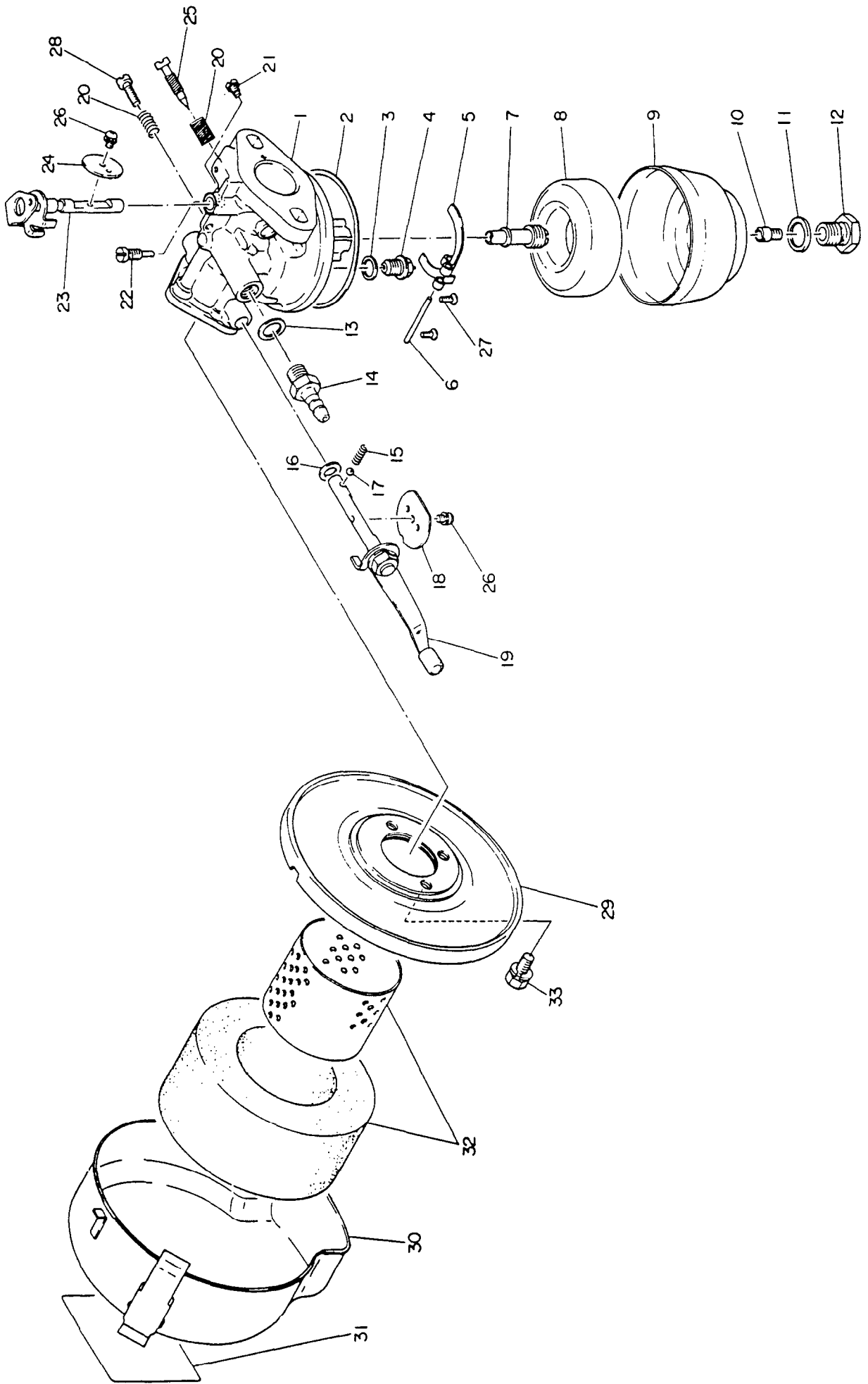
<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
1	EC05A-0611aEA	FUEL TANK UNIT	1	
2	EC06A-9102	LABEL (trade mark)	1	
3	EC05A-6121	VINYL PIPE	1	7φ x 10φ x 25ℓ
4	043 04300 15	FUEL TANK CAP COMPL.	1	
5	205 66001 11	FUEL FILTER COMPL.	1	
6	001 11061 60	BOLT AND WASHER ASSY.	2	
7	EC05A-6114	FUEL STRAINER	1	Incl. 8~12
8	C-08	O RING	1	
12	C-05	CUP	1	
13	EC05A-6104	RUBBER PIPE	1	
14	056 11000 30	HOSE CLAMP	2	
15	003 10120 00	WASHER	2	
16	003 12060 00	WASHER	2	
17	003 20060 00	SPRING WASHER	2	
18	001 65061 80	BOLT	2	
19	073 20013 30	LABEL (caution)	1	Japanese
19	128 92001 03	LABEL (caution)	1	English
20	073 20011 50	LABEL (caution)	1	Japanese





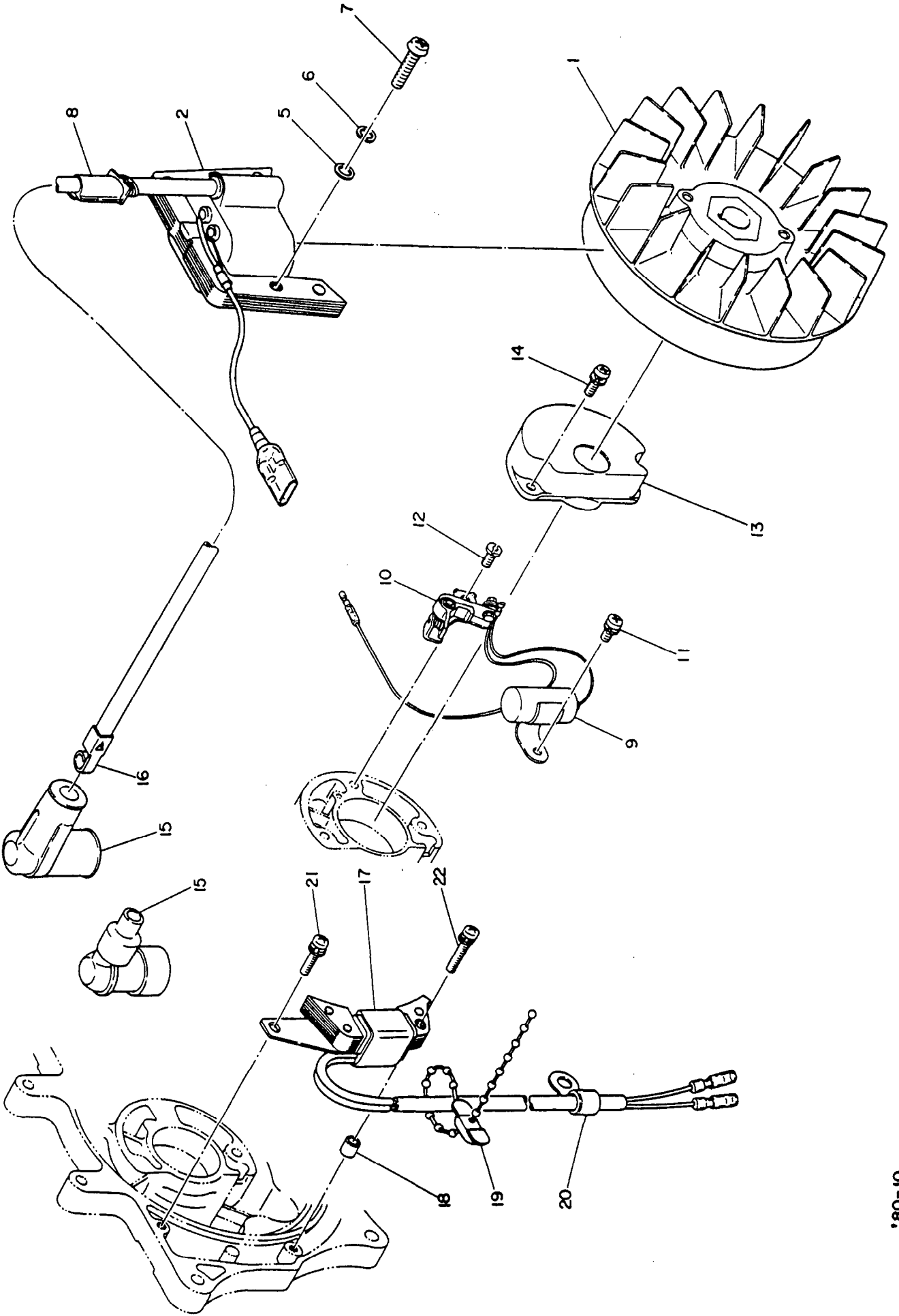
6. CARBURETOR and AIR CLEANER

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
1	EC06A 0305	CARBURETOR ASSY.	1	Incl. 2-28
2	EY106 62547 08	PACKING	1	
3	EY106 62381 08	PACKING	1	
4	EY106 62503 08	NEEDLE VALVE (1.8 DIA.)	1	
5	EY106 62511 08	FLOAT ARM	1	
6	EY106 62516 08	PIN	1	
7	EY129 62441 08	NOZZLE (19 DIA.)	1	
8	EY106 62508 08	FLOAT	1	
9	EY106 62389 08	FLOAT CHAMBER BODY	1	
10	EY129 62401 08	REVERSE MAIN JET (#77.5)	1	
11	EY206 62431 08	PACKING	1	
12	EY206 62350 08	GUIDE HOLDER	1	
13	EY207 62345 08	WASHER	1	
14	EY050 50800 30	UNION	1	
15	EY209 62446 08	CHOKE SPRING	1	
16	EY106 62392 08	SEAL	1	
17	EY209 62353 08	STEEL BALL	1	
18	EY106 62527 08	VALVE (choke) (#95)	1	
19	EY106 62524 08	SHAFT ASSY. (choke)	1	
20	EY206 62446 08	SPRING	2	
21	EY106 62357 08	GUIDE SCREW	1	
22	EY209 62421 08	PILOT JET (#35)	1	
23	EY128 62530 08	SHAFT ASSY. (throttle)	1	
24	EY106 62538 08	THROTTLE VALVE (#200)	1	
25	EY106 62436 08	PILOT SCREW (1.0 return)	1	



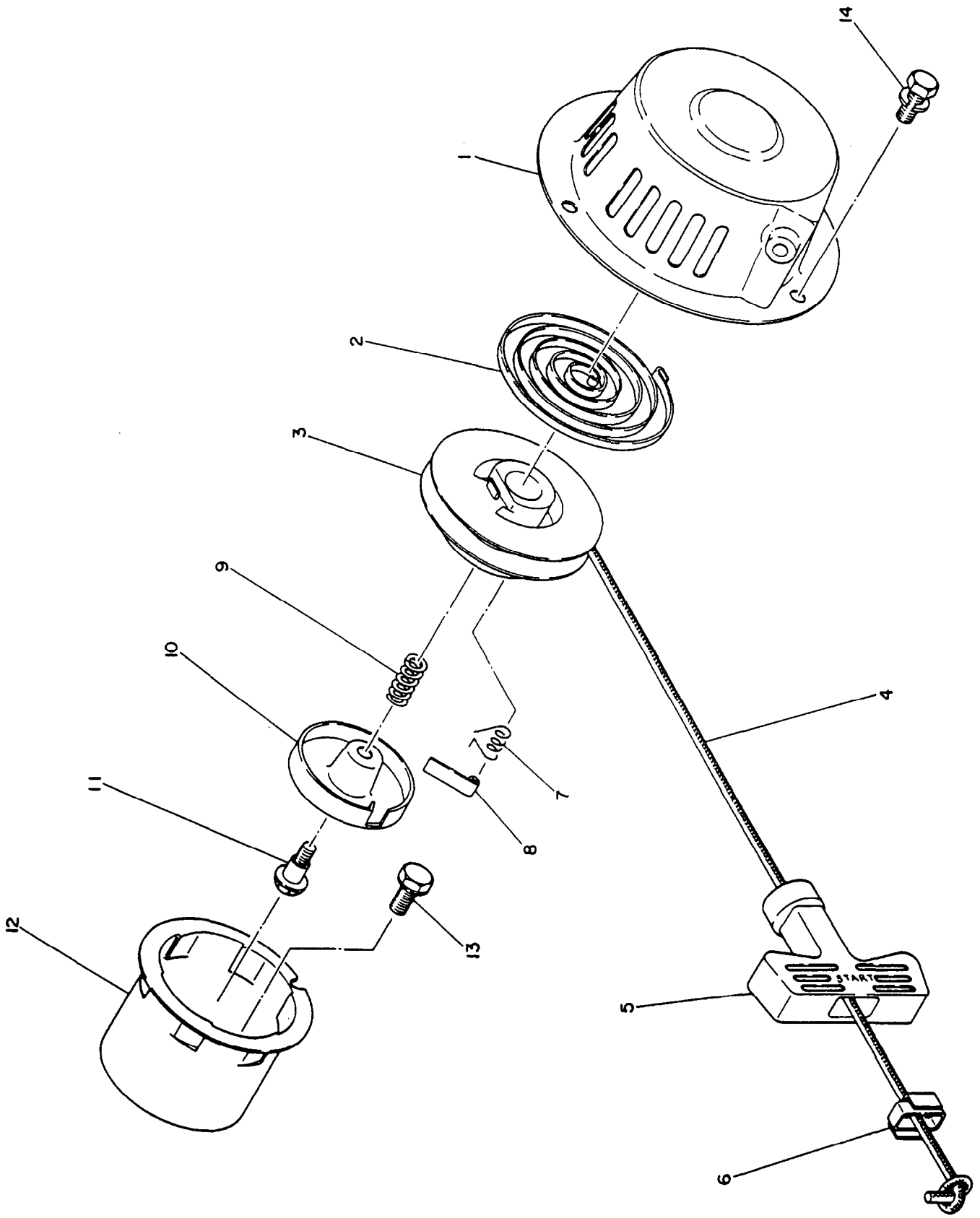
6. CARBURETOR and AIR CLEANER

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
26	EY209 62351 08	CROSS SCREW WITH WASHER	2	
27	EY130 62358 08	CROSS SCREW	2	
28	EY106 62358 08	SCREW	1	
29	EY128 32601 00	AIR CLEANER ASSY.	1	Incl. 30-33
30	EY128 32640 08	COVER COMPL.	1	Incl. 31
31	EY128 32730 08	LABEL	1	
32	EY106 32605 08	ELEMENT COMPL.	1	
33	EY001 10051 20	BOLT ASSY. (M5 x 12)	3	



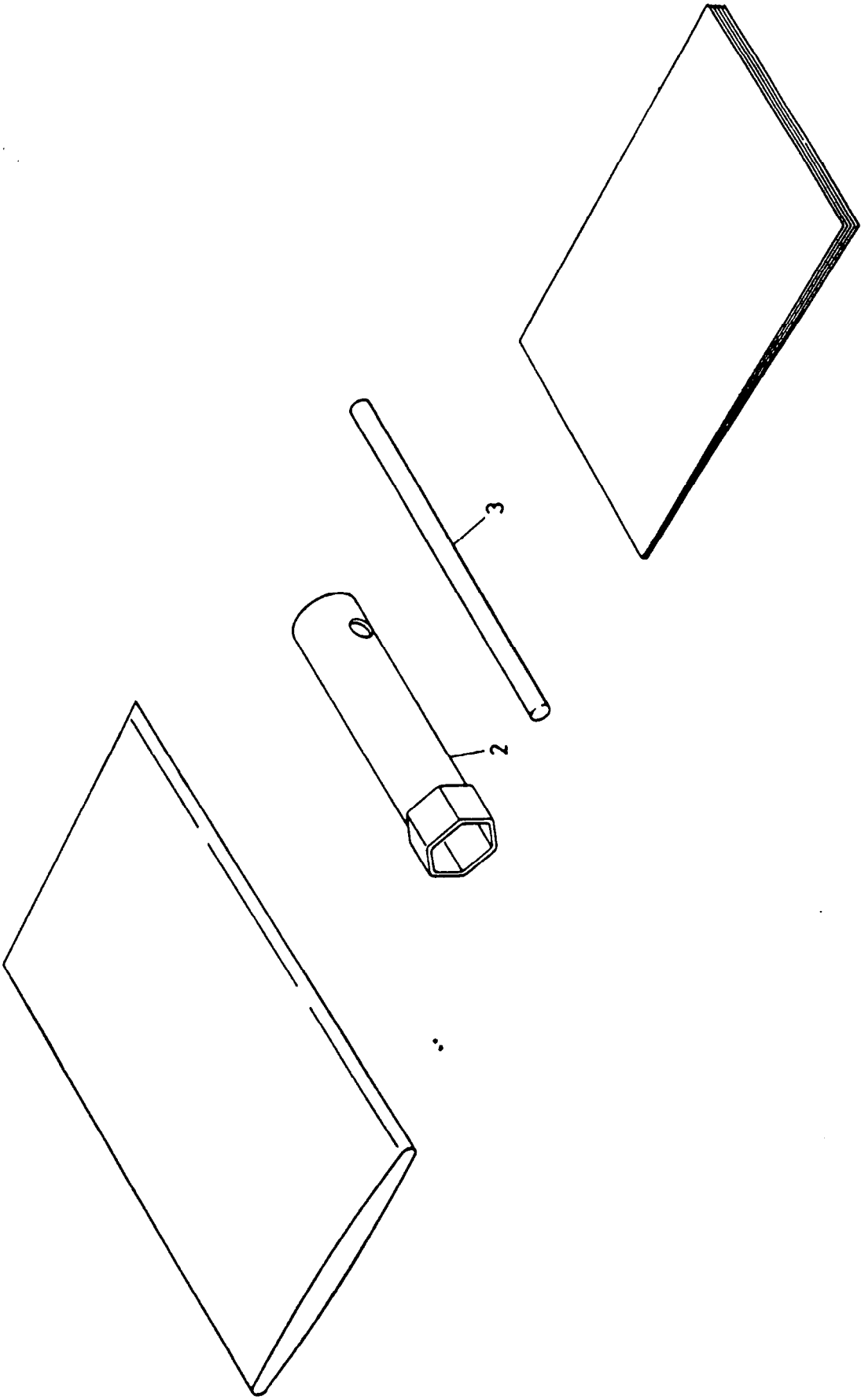
7. MAGNETO

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
1	ECO6A-0722	MAGNETO ASSY.	1	Incl. 2, 9, 10, 13
2	HA10700	IGNITION COIL	1	
5	003 10050 00	WASHER	2	
6	003 20050 00	SPRING WASHER	2	
7	004 31052 00	SCREW	2	
8	ECO5A-7101a	GROMMET	1	
9	DA00100	BREAKER ASSY.	1	Incl. 10
11	004 35040 80	SCREW AND WASHER ASSY.	1	
12	014 00499 80	SCREW	1	
13	DP01710	POINTER COVER	1	
14	004 35041 20	SCREW AND WASHER ASSY.	2	
15	065 50001 40	SPARK PLUG CAP	1	
15	065 50001 10	SPARK PLUG CAP	1	
16	065 50001 00	CLAMP	1	
17	ECO6A-0723a	MAGNETIC COIL COMPL.	1	
18	ECO6A-7111	SPACER	1	
19	FH04-5115	CLIP	1	
20	ECO6A-0412	CLAMP COMPL.	1	
21	004 36041 60	SCREW ASSY.	1	
22	004 36042 00	SCREW ASSY.	1	



8. RECOIL STARTER

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
1	ECO5A-0501aSA	RECOIL STARTER ASSY.	1	Incl. 2 ~ 12
2	ECO5A-0501~②	SPIRAL SPRING	1	
3	ECO5A-0501~③	REEL	1	
4	ECO5A-0501~④	STARTER ROPE	1	
5	ECO5A-0501~⑤	STARTER KNOB	1	
6	ECO5A-0501~⑥	ROPE STOPPER	1	
7	ECO5A-0501~⑦	RETURN SPRING	1	
8	ECO5A-0501~⑧	RATCHET	1	
9	ECO5A-0501~⑨	FRICTION SPRING	1	
10	ECO5A-0501~⑩	FRICTION PLATE	1	
11	ECO5A-0501~⑪	CENTER SCREW	1	
12	ECO5A-0501~⑫	STARTER PULLEY	1	
13	001 10061 60	BOLT AND WASHER ASSY.	2	
14	001 10061 00	BOLT AND WASHER ASSY.	3	





9. ACCESSORY

<u>Ref. No.</u>	<u>Parts Number</u>	<u>Parts Name</u>	<u>Q'ty</u>	<u>Description</u>
	EC05A-0901	ACCESSORY TOOLS KIT	1	Incl. 2, 3
2	071 32199 91	BOX WRENCH	1	21 x 100
3	071 40899 90	HANDLE	1	8 x 150

## NOTES





**Industrial  
Engines**

**Robin America, Inc.**

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