

Introduction

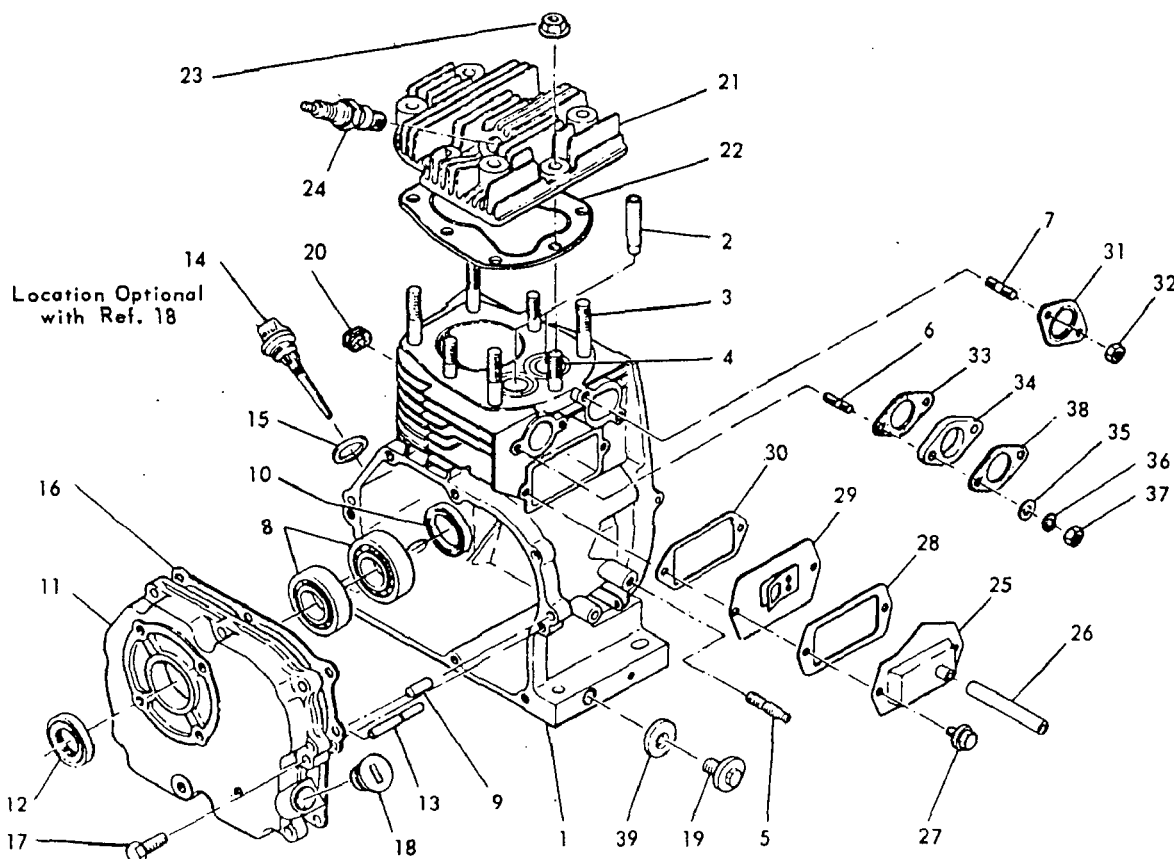
This catalog is designed to identify **Wisconsin Robin** parts.

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.

TELEDYNE TOTAL POWER 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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NOTE: Items without a part number are not sold separately.

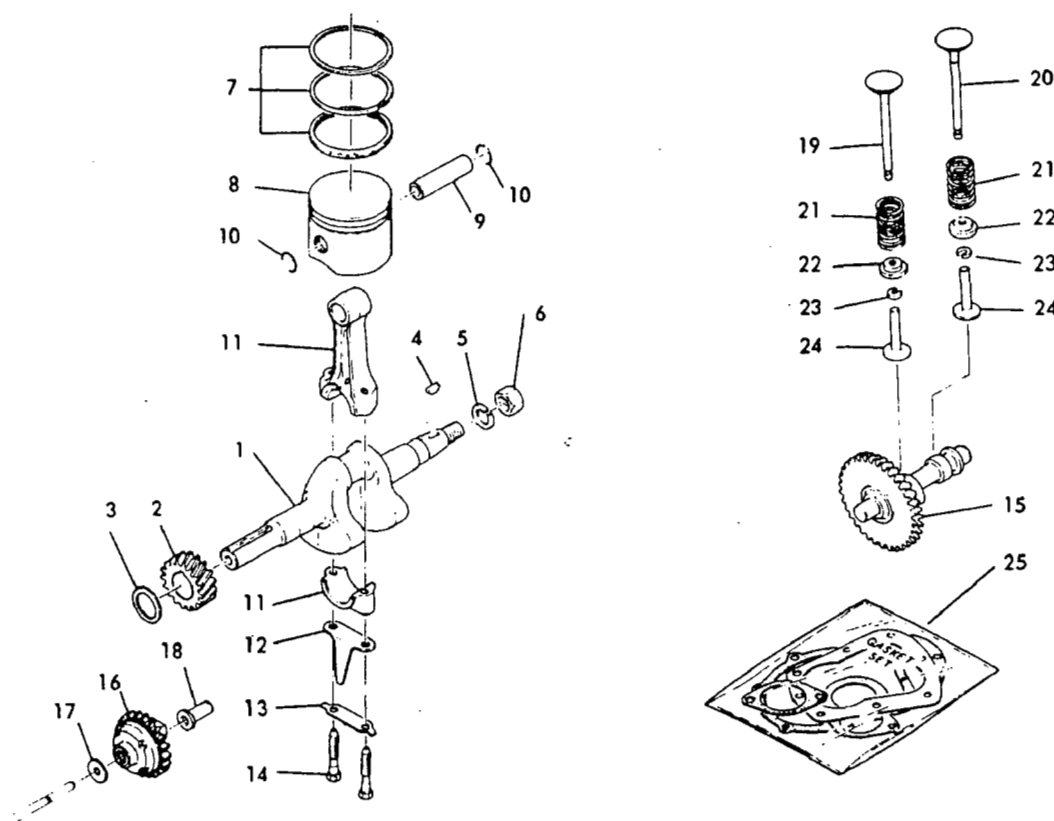
** Included in Engine Gasket Set, (Ref. 25, Page 2).

Ref. No.	Part Number	Description	No. Req.	Ref. No.	Part Number	Description	No. Req.
1		CYLINDER - CRANKCASE		21	EY 2141310103	CYLINDER HEAD	1
2	EY 2141420403	VALVE GUIDE	2	22	EY 2141500101	GASKET, cylinder head	1
3	EY 0105100050	STUD, cylinder head mounting 10mm x 74mm long.	4	23	EY 0023810000	LOCKNUT, cylinder head - 10mm thd.	7
4	EY 0105100060	STUD, cylinder head mounting 10mm x 50mm long.	3	24	EY 0650140036 (Optional)	SPARK PLUG with gasket Champion L86, AC 44F, NGK B6HS.	1
5	EY 0105080120	STUD, governor control mounting	1	25	EY 2141440101	INSPECTION COVER	1
6	EY 0013106351	STUD, carburetor mounting 6mm x 35mm long.	2	26	EY 0851080210	BREATHER TUBE	1
7	EY 0013108251	STUD, muffler mounting 8mm x 25mm long.	2	27	EY 0110060020	SCREW, inspection cover 6mm x 12mm long, hex flange head.	2
8	EY 0600250010	BEARING, crankshaft main	2	28	**	GASKET, inspection cover	1
9		DOWEL PIN, gear cover	2	29	EY 2141430121	BREATHER PLATE	1
10	EY 0440250070	OIL SEAL, crankcase	1	30	**	GASKET, breather plate	1
11	EY 2141100201	GEAR COVER assembly Includes: Bearing (Ref. 8) EY 0440025070 OIL SEAL	1	31	EY 2143520111	GASKET, muffler mounting	1
12		SHAFT, governor gear	1	32	EY 0021908000	NUT, muffler mounting 8mm thread, hexagon steel.	2
13				33	**	GASKET, insulator plate	1
14	EY 2146360117	OIL DIP STICK Includes: EY 0213200010 GASKET	1	34	EY 2063290103	INSULATING PLATE, carburetor	1
15		GASKET, gear cover	1	35	EY 0031006000	WASHER, carburetor mounting 6.4mm I.D. x 11.5 O.D., plain steel.	2
16	**	GASKET, gear cover	1	36	EY 0032006000	LOCKWASHER, carburetor mounting 6mm spring lock.	2
17	EY 0016608250	SCREW, gear cover mounting 8mm x 25mm long, hexagon head.	8	37	EY 0022806000	NUT, carburetor mounting 6mm thread, hexagon steel.	2
18	EY 0420220010	PLUG, oil filler	1	38	EY 2143590103	GASKET, carburetor flange	1
19	EY 0401140030	OIL DRAIN PLUG, (less gasket)	2	39	EY 0211140020	GASKET, oil drain plug (order sep.)	2
20	EY 2147500103	GROMMET, ignition wire	1				

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Fig. 2

CRANKSHAFT, CAMSHAFT, PISTON, ROD and VALVE Group For Model EY 18-3W



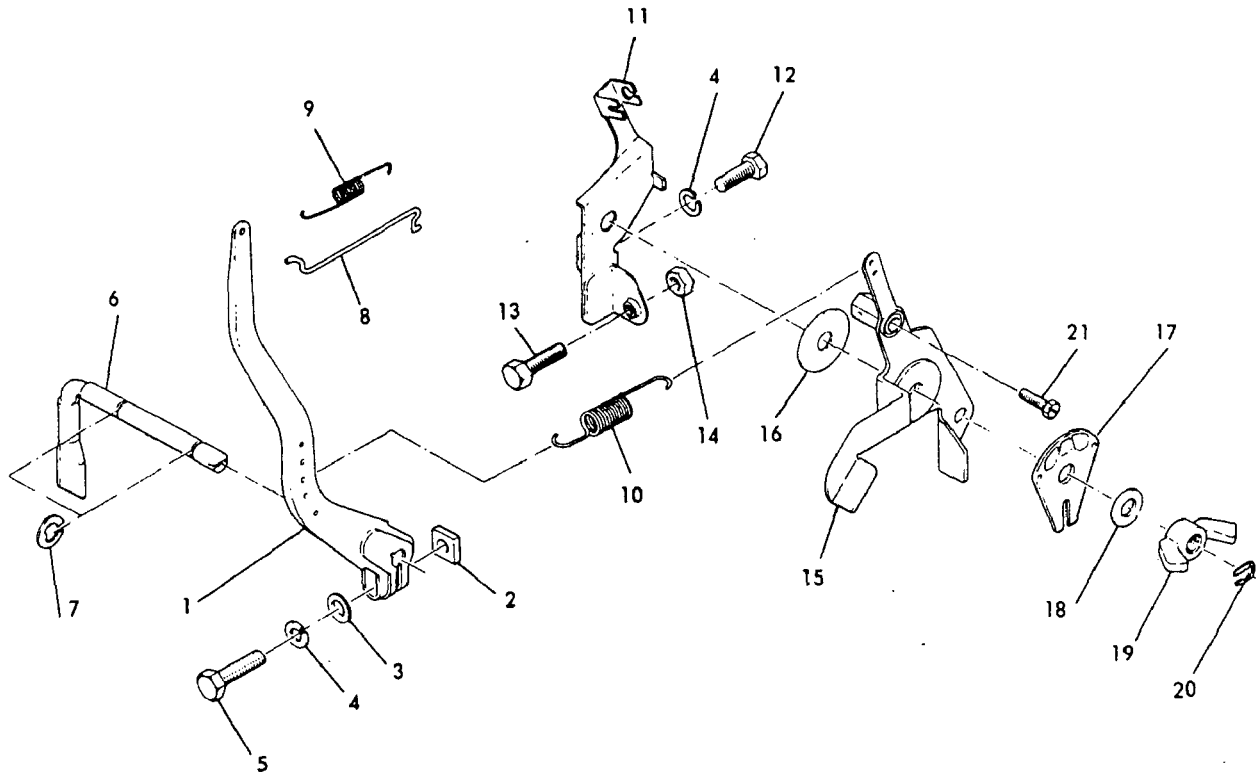
NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	No. Req.	Ref. No.	Part Number	Description	No. Req.
1	EY 2142050101	CRANKSHAFT with gear (Ref. 2) KEYWAY SHAFT (std.)	1	11	EY 2142250110	CONNECTING ROD assembly	1
2		GEAR, crankshaft	1	12		Includes:	
3	EY 0230250110 EY 0230250120 EY 0230250130	ADJUSTING SHIM 'A' .021-.026"028 to .0343" 'B'036 to .0425" 'C'	1	13		EY 2142310113 OIL SCRAPER	1
4	EY 0323030010	KEY, flywheel mounting 3mm wide x 6mm high, Woodruff.	1	14	EY 2142250200	EY 2142320103 LOCK PLATE	1
5	EY 0032014000	LOCKWASHER, flywheel nut 14mm spring lock.	1			EY 2142300113 ROD BOLT	2
6	EY 0021814000	NUT, flywheel mounting 14mm thread, hexagon steel.	1			.020" (0.25 mm) undersize con. rod.	-
7	EY 2142350117	RING SET, standard size	1	15	EY 2143170133	CAMSHAFT, with compression release	1
		Consisting of:		16	EY 2144500101	GOVERNOR GEAR assembly	1
		COMPRESSION RING	1			Includes: Flyweights.	
		SCRAPER RING	1	17	EY 0230060010	SPACER, governor gear	1
		OIL RING	1	18	EY 2054190103	GOVERNOR SLEEVE	1
	EY 2142350217	.010" (0.25 mm) oversize Ring Set.		19	EY 2143340103	INTAKE VALVE	1
	EY 2142350317	.020" (0.50 mm) oversize Ring Set.		20	EY 2143350103	EXHAUST VALVE	1
8	EY 2142342103	PISTON, standard size	1	21	EY 2063360103	VALVE SPRING	2
	EY 2142342203	.010" (0.25 mm) oversize Piston.		22	EY 2063370113	RETAINER, valve spring	2
	EY 2142342303	.020" (0.50 mm) oversize Piston.		23	EY 2143380103	LOCK, valve spring retainer	2
9	EY 2142330103	PIN, piston	1	24	EY 2143330103	VALVE TAPPET	2
10	EY 0565140010	SNAP RING, piston pin	2	25	EY 2149900217	ENGINE GASKET SET, Includes:	1
						GEAR COVER gasket	1
						CYLINDER HEAD gasket	1
						BREATHER PLATE gasket	1
						INSPECTION COVER	1
						INSULATOR PLATE	1
						MUFFLER FLANGE gasket	1
						CARBURETOR FLANGE gasket	1
						AIR CLEANER gasket	1

When ordering parts: Always give Model, Specification and Serial Numbers of engine.

GOVERNOR and SPEED CONTROL GROUP
For Model EY 18-3W

Fig. 3



NOTE: Items without a part number are not sold separately.

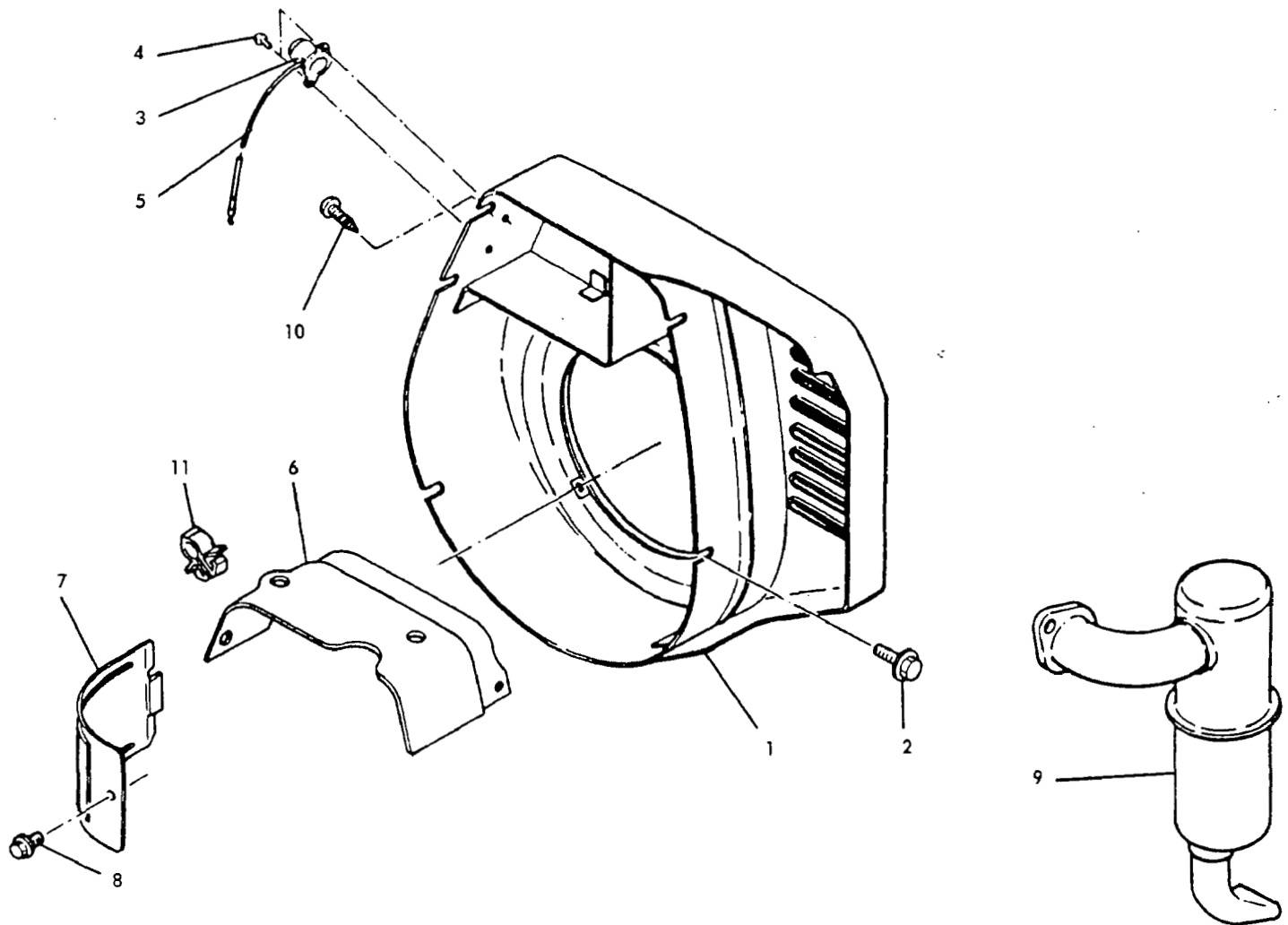
Ref. No.	Part Number	Description	No. Req.	Ref. No.	Part Number	Description	No. Req.
●	EY 2144230107	GOVERNOR LEVER and SHAFT SET .. Includes: (Ref. 1 thru 7).	1	11		BACK PLATE	1
1		GOVERNOR LEVER	1	12		SCREW, back plate	1
2		NUT, governor lever	1			6mm x 10mm long, hexagon head.	
3		WASHER, governor lever	1	13		SCREW, control lever stop	1
4		LOCKWASHER, governor lever	2			5mm x 25mm long, hexagon head.	
5		SCREW, governor lever	1	14		NUT, lever stop screw	1
6		GOVERNOR CROSS SHAFT	1			5mm thread, hexagon steel.	
7		CLIP, shaft retainer	2	15		CONTROL LEVER	1
		6mm I.D. x 12mm O.D.		16		FRICTION WASHER	1
●	EY 2144250117	GOVERNOR SPRING and LINK SET	1	17		STOP PLATE	1
		Includes (Ref. 8, 9, 10).		18		WASHER, wing nut	1
8		GOVERNOR LINK	1			8mm I.D., plain steel.	
9		SPRING, GOVERNOR LINK	1	19		WING NUT, control lever	1
10		GOVERNOR SPRING	1			8mm thread.	
				20		CLIP, control mounting stud	1
●	EY 2144330117	GOVERNOR CONTROL LEVER SET ..	1			4mm I.D. x 9mm O.D., U type.	
		Includes (Ref. 11 thru 21).		21		SCREW, control wire lock	1
						4mm x 14mm long, hexagon head.	

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Fig. 4

SHROUDING and MUFFLER Group

For Model EY 18-3W



Ref. No.	Part Number	Description	No. Req.
1	EY 2145154401	FLYWHEEL SHROUD	1
2	EY 0110060010	SCREW, flywheel shroud mounting 6 mm x 12 mm long, hexagon flange hd.	4
3	EY 0662000011	STOP BUTTON assembly	1
4	EY 0150040010	SCREW, stop button mounting	2
		4 mm x 8 mm long, self tapping, pan. head.	
5	EY 2147320101	IGNITION WIRE, stop button	1
6	EY 2145264401	COVER, cylinder head	1
7	EY 2145274401	BAFFLE, cylinder	1
8	EY 0110060010	SCREW, cylinder baffle mounting	1
		6 mm x 12 mm long, hex. flange head.	

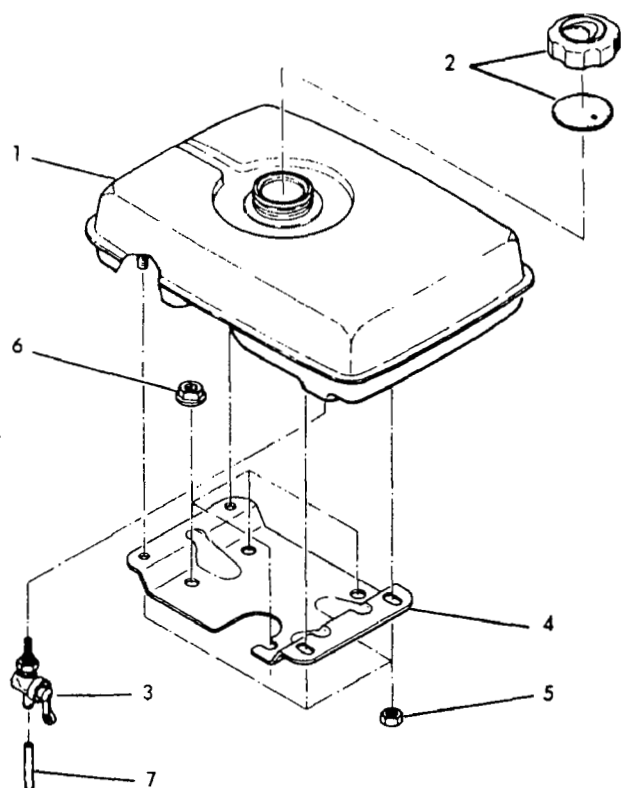
Ref. No.	Part Number	Description	No. Req.
9	EY 2143015001	EXHAUST MUFFLER	1
10	EY 0152050010	SCREW, head cover	2
		5 mm x 10 mm long, self tapping hex. head.	
11	EY 0568080010	CLAMP, ignition wire	1

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Fig. 5

FUEL TANK Group

For Model EY 18-3W

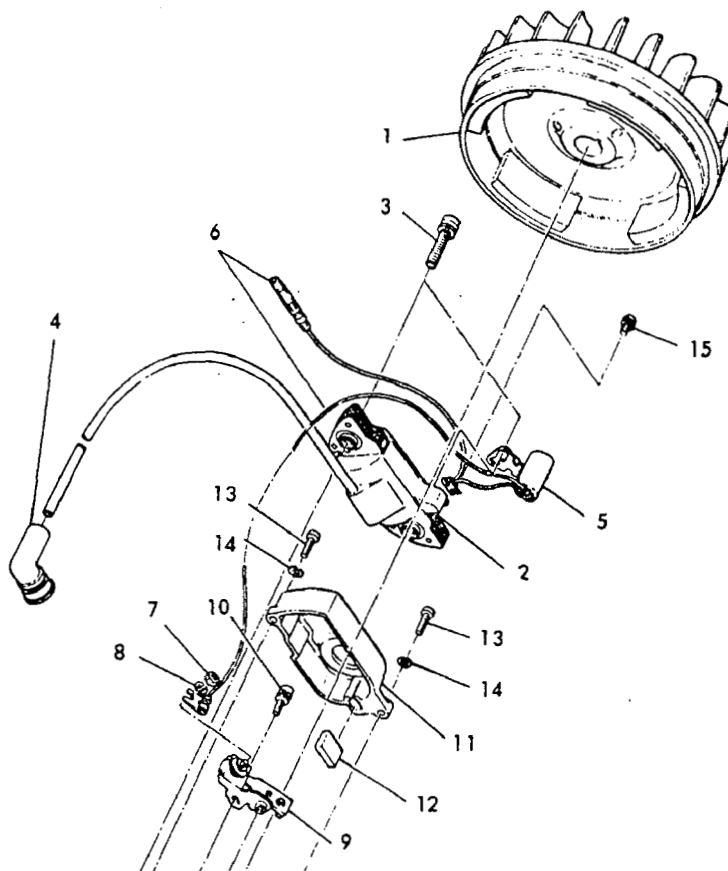


NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	No. Req.
1	EY 2066030127	FUEL TANK assembly	1
2		Includes: EY 2066500101 CAP with gasket	1
3	EY 0642000702	FUEL STRAINER	1
4	EY 2066170101	BRACKET, fuel tank	1
5	EY 0021708000	NUT, tank to bracket mounting	4
		8mm thread, hexagon steel.	
6	EY 0023810000	LOCKNUT, bracket to head mounting ..	4
		10mm thread.	
7	EY 0851040640	FUEL LINE	1

MAGNETO Group

Fig. 6

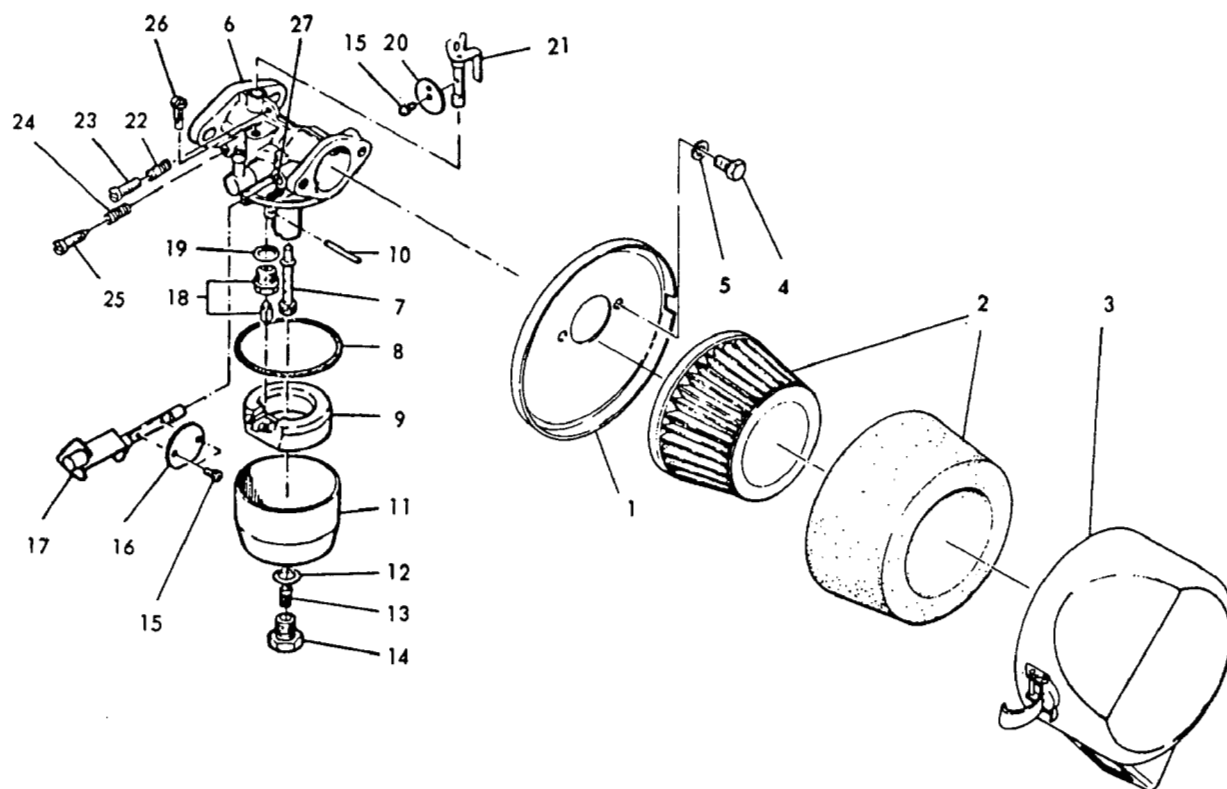


Ref. No.	Part Number	Description	No. Req.
1	EY 2147012108	FLYWHEEL	1
2	EY 2147013308	IGNITION COIL, beg. with S/N 809125 EY 2147013108 previous to S/N 809125.	1
3	EY 0043506250	SCREW - WASHER, ignition coil mt'g. 6mm x 25 mm long, round head.	2
4	EY 0655000070	CAP, spark plug terminal	1
●	EY 2147010407	POINTS and CONDENSER KIT	1
		Beginning with Serial No. 809125, EY 2147010207 previous to S/N 809125. Kit includes:	
5		CONDENSER	1
6		LEAD WIRES	2
7		NUT, lead wire	1
8		LOCKWASHER, lead wire	1
9		CONTACT BREAKER	1
10		SCREW - WASHER, breaker (4mm)....	1
●	EY 2147110117	COVER - HARDWARE KIT, for points and condenser mounting	1
		Consisting of: Ref. 3, 11, 12, 13, 14	
11		BREAKER COVER	1
12		OIL FELT, breaker	1
13		SCREW, point cover mounting	2
		4mm x 12 mm long, pan head.	
14		LOCKWASHER, point cover	2
		4mm, spring lock.	
15	EY 2137018008	SCREW - WASHER, terminal connection to ignition coil.	1

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Fig. 7

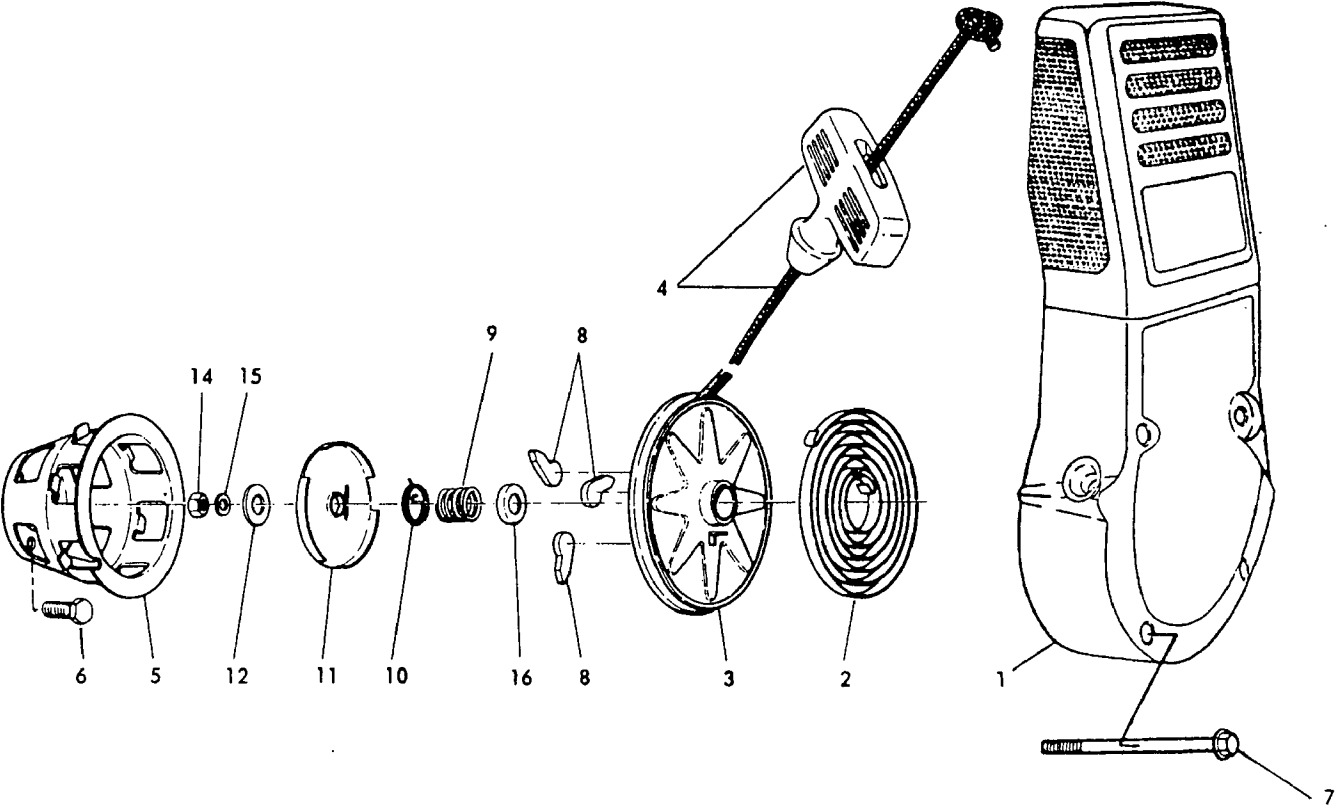
CARBURETOR and AIR CLEANER Group For Model EY 18-3W



NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	No. Req.	Ref. No.	Part Number	Description	No. Req.
●	EY 2143261000	AIR CLEANER, Heavy Duty Type	1	14		HOLDER, main jet	1
1		Consisting of:		15	†	SCREW, choke and throttle valve	3
2	EY 2063260107	BASE	1			3 mm x 5 mm long, pan head.	
3		ELEMENT and SLEEVE	1	16	EY 2066252608	CHOKE VALVE	1
		COVER	1	17	EY 2146252008	CHOKE SHAFT	1
4	EY 0016506100	SCREW, air cleaner mounting	2	18	EY 2096230208†	FUEL VALVE and SEAT assembly ..	1
		6 mm x 10 mm long, hexagon head.		19	† *	GASKET, valve seat	1
5	EY 0032006000	LOCKWASHER, air cleaner mt'g.	2	20	EY 2146253508	THROTTLE VALVE	1
		6 mm, spring lock.		21	EY 2146253008	THROTTLE SHAFT	1
6	EY 2146240200	CARBURETOR assembly	1	22	EY 1066244808	SPRING, throttle stop screw	1
		Includes Items (12 thru 31).		23		SCREW, throttle stop	1
7		NOZZLE	1			3 mm x 12 mm lg., flat fillister head.	
8	† *	GASKET, float chamber	1	24	EY 2066244608	SPRING, pilot screw	1
9	EY 2066250508	FLOAT	1	25	†	PILOT SCREW	1
10	†	FLOAT PIN	1	26	†	PILOT JET	1
11		FLOAT CHAMBER	1	27	EY 2146255708	SPRING, choke shaft	1
12	† *	WASHER, jet holder	1	●	EY 2146230207	REPAIR KIT, carburetor	
13	EY 1296240108†	MAIN JET	1			† Parts included in kit.	
				●	EY 2146230107	GASKET SET, carburetor	
						• Parts included in set.	

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Ref. No.	Part Number	Description	No. Req.
•	EY2145044400	RECOIL STARTER assembly	1
1		Housing	1
2	EY2065011508	POWER SPRING	1
3	EY2145012108	REEL	1
4	EY2075011208	ROPE assembly	1
5	EY2145015008	PULLEY, starting	1
6	EY0016508120	SCREW, pulley mtg. 8 x 10 mm long, hex. hd.	3
7		SCREW, housing flange	
	EY0016606550	8 x 55 mm long, hex. hd.	1
	EY0016606650	8 x 65 mm long, hex hd.	3

Ref. No.	Part Number	Description	No. Req.
•	EY2145010107	HARDWARE KIT	1
		Consisting of Ref. No. 8 - 16	
8		PAWL	3
9		SPRING, compression	1
10		SPRING, return	1
11		RETAINER, pawl	1
12		WASHER, retainer spacing	1
14		NUT, retainer, 8 mm	1
15		WASHER, retainer nut	1
16		CUP, spring retainer	1

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Rough draft;

SPB

JULY 1989

SUBJECT: Testing procedures for Solid State Ignition

MODEL: W1-340 and W1-390

Testing procedures have been developed on the solid state ignition (KTR) using the Dr. Robin multimeter. All readings are with the red positive (+) test probe attached to the wire terminal listed in the left hand column.

	Red	Red/ White	Brown	Black	White/ Blue	Black/ White
Red	-	No	No	Yes	No	Yes
Red/ White	No	-	Yes	No	No	No
Brown	No	Yes	-	No	No	No
Black	No	No	No	-	No	No
White/ Blue	No	Yes	Yes	No	-	No
Black/ White	Yes	No	No	Yes	No	-

Note:

Yes - indicates change in reading.

No - indicates no change in reading.

CORRECTION TO REPAIR MANUAL:

Reference Wisconsin Repair Manual Models W1-340, W1-390
(TTP00071) Rev. 3-85

Make the following correction to Checking Ignition Unit with
Tester chart on page 12.

Red/White and Black - Off

Core and Black - Off