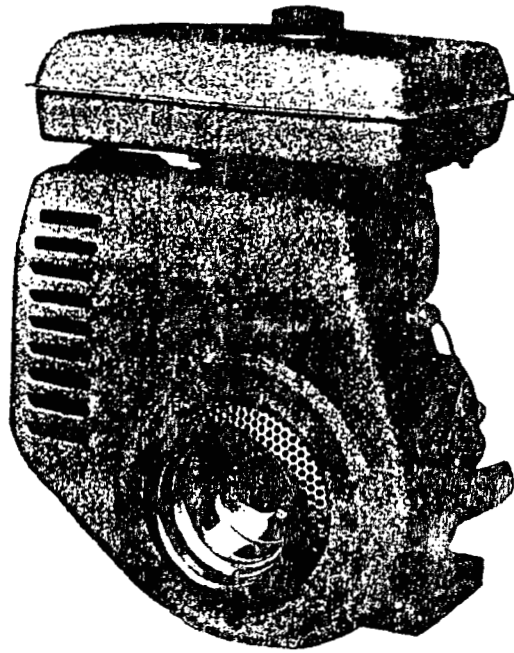


Service Parts Manual

WISCONSIN ROBIN
WR-W1-EY18WPM
REV DATE: 01-92

WISCONSIN ROBIN

Air-Cooled Engines



Model **EY18W**

 **TELEDYNE TOTAL POWER**

MEMPHIS, TENNESSE 38118

PROPERTY OF
ROBIN AMERICA
ENGINEERING DEPT.

Wisconsin Robin Engine Distributors and Service Centers, located throughout the U.S. and foreign countries, have been carefully selected in order to assure complete and efficient repair and inspection service to owners of Wisconsin Robin Engines. These service centers, equipped and staffed for complete engine repair, also stock parts to facilitate immediate delivery for all Wisconsin Robin Engines.

Order parts from the Wisconsin Distributor or Service Center in your locality – Refer to the Yellow Pages of the Telephone Directory under ENGINES – GASOLINE.

Do not order parts from TELEDYNE TOTAL POWER

**The MODEL, SPECIFICATION and SERIAL NUMBERS
of engine MUST BE GIVEN WHEN ORDERING PARTS.**

The Model and Specification number are shown on the name plate located on flywheel shroud. The Serial number is stamped on the crankcase base left mounting flange.

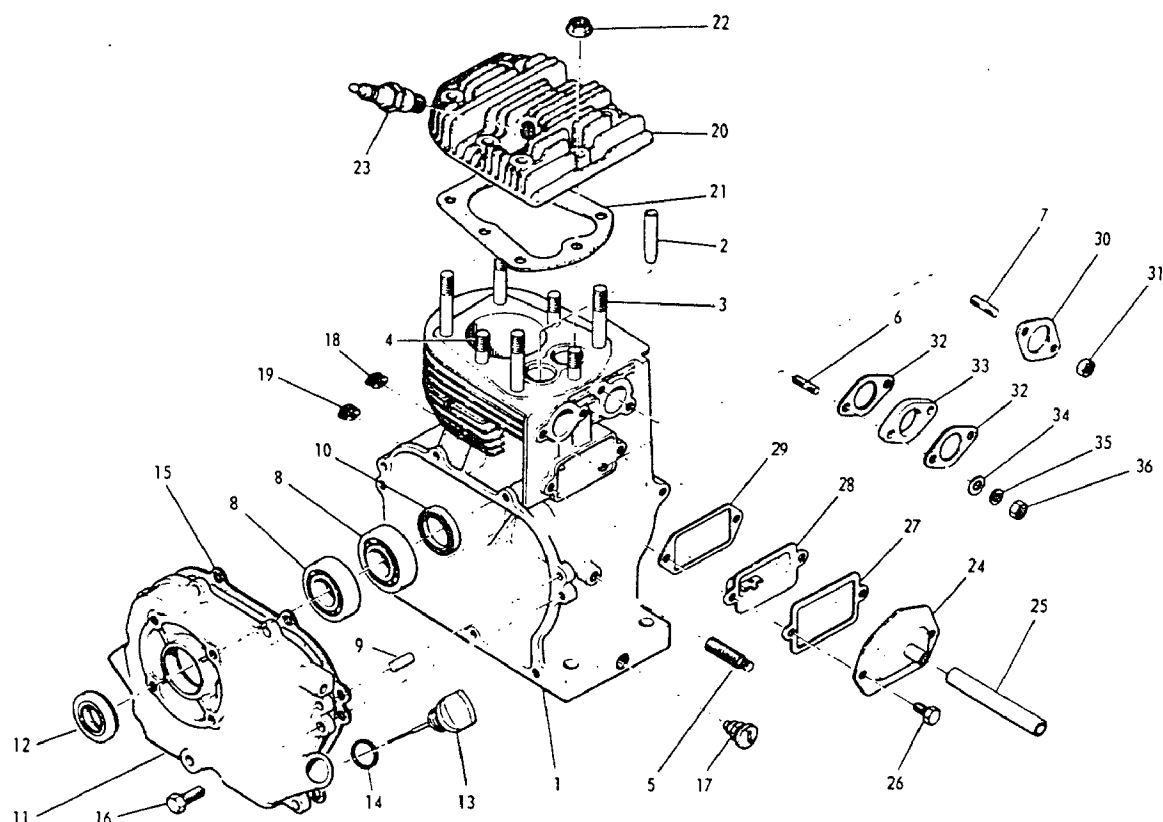
**COPY THE MODEL, SPECIFICATION NUMBER AND SERIAL NUMBER IN THE SPACES PROVIDED
BELOW SO THAT IT WILL BE AVAILABLE TO YOU WHEN ORDERING PARTS.**

	WISCONSIN ROBIN	
MODEL	AIR COOLED ENGINE	SPEC NO.
 TELEDYNE TOTAL POWER MEMPHIS, TENNESSEE FUJI HEAVY INDUSTRIES LTD. TOKYO, JAPAN		

SERIAL NO.	
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**TO INSURE PROMPT AND ACCURATE SERVICE, THE FOLLOWING
INFORMATION MUST ALSO BE GIVEN.**

1. State exactly, quantity of each part and part number.
2. State definitely, whether parts are to be shipped by express, freight or parcel post.
3. State exact mailing address.



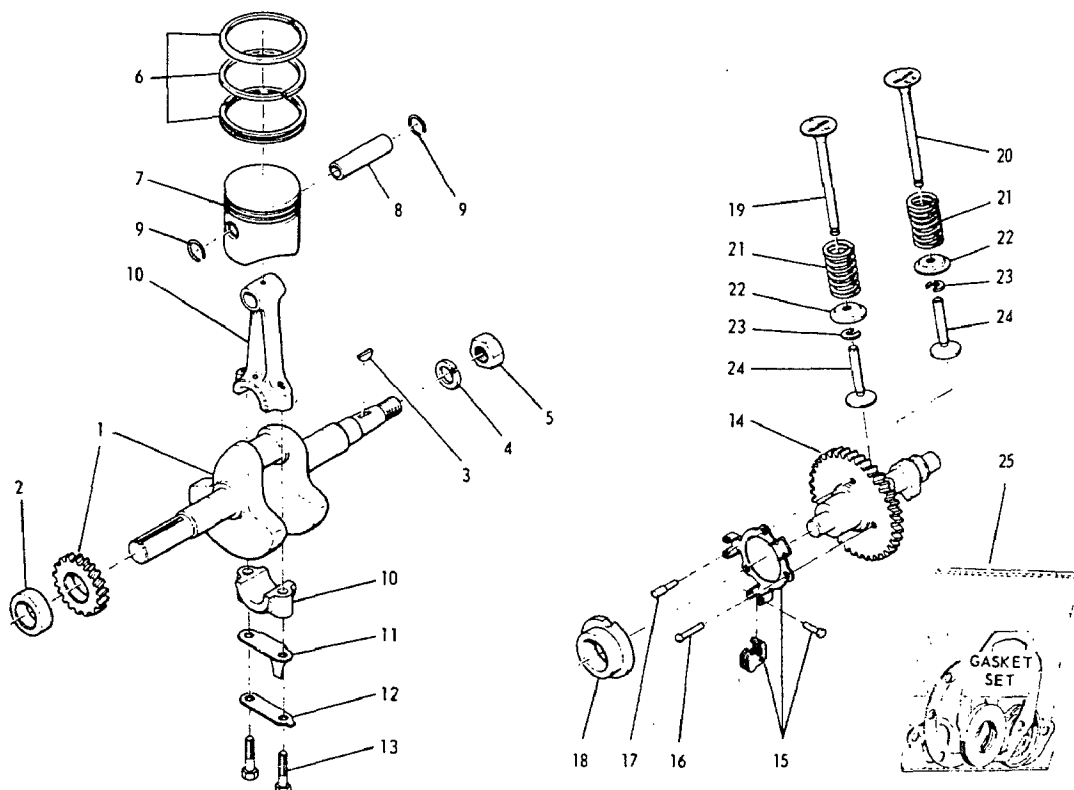
NOTE: Items without a part number are not sold separately.

** Included in Engine Gasket Set. *** Included in Engine and Carburetor Gasket Sets.

Ref. No.	Part Number	Description	Qty.	Ref. No.	Part Number	Description	Qty.
1		CYLINDER - CRANKCASE		19	EY0241020020	GROMMET, ignition wire	1
2	EY2061420103	VALVE GUIDE	2	20	EY2061310103	CYLINDER HEAD	1
3	EY0105100050	STUD, cylinder head mounting 10 mm x 74 mm long	4	21	EY2061500101	GASKET, cylinder head	1
4	EY0105100060	STUD, cylinder head mounting 10 mm x 50 mm long	3	22	EY0023810000	LOCKNUT, cylinder head - 10 mm thd.	7
5		STUD, governor control mounting	1	23	EY0650140031 (Optional)	SPARK PLUG with gasket Champion L86, AC 44F, NGK B6HS	1
6	EY0013106351	STUD, carburetor mounting 6 mm x 35 mm long	2	24	EY2061440101	INSPECTION COVER	1
7	EY0013108251	STUD, muffler mounting 8 mm x 25 mm long	2	25	EY0851080031	BREATHER TUBE	1
8	EY0600250010	BEARING, crankshaft main	2	26	EY0016506120	SCREW, inspection cover 6 mm x 12 mm long, hex head	2
9		DOWEL PIN, gear cover	2	27	**	GASKET, inspection cover	1
10	EY0440250070	OIL SEAL, crankcase	1	28	EY2061430201	BREATHER PLATE	1
11	EY2061120111	GEAR COVER assembly Includes: Bearing (Ref. 8)	1	29	**	GASKET, breather plate	1
12		EY0440250010 OIL SEAL	1	30	EY2063520101	GASKET, muffler mounting	1
13	EY2066360107	OIL FILLER - DIP STICK Includes:	1	31	EY0021908000	NUT, muffler mounting 8 mm thread, hexagon steel	2
14		GASKET	1	32	***	GASKET, carburetor flange	2
15	**	GASKET, gear cover	1	33	EY2063290103	INSULATING PLATE, carburetor	1
16		SCREW, gear cover mounting 8 mm x 20 mm long, hex head	7	34	EY0031006000	WASHER, carburetor mounting 6.4 mm I.D. x 11.5 O.D., plain steel	2
	EY0016608200	8 mm x 25 mm long, hex head	5	35	EY0032006000	LOCKWASHER, carburetor mounting 6 mm, spring lock	2
	EY0016608250	8 mm x 25 mm long, hex head	2	36	EY0022806000	NUT, carburetor mounting 6 mm thread, hexagon steel	2
17	EY0420140011	OIL DRAIN PLUG	1				
18	EY0241050020	GROMMET, ignition wire	1				

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

CRANKSHAFT, CAMSHAFT, PISTON, ROD and VALVE Group For Model EY18W

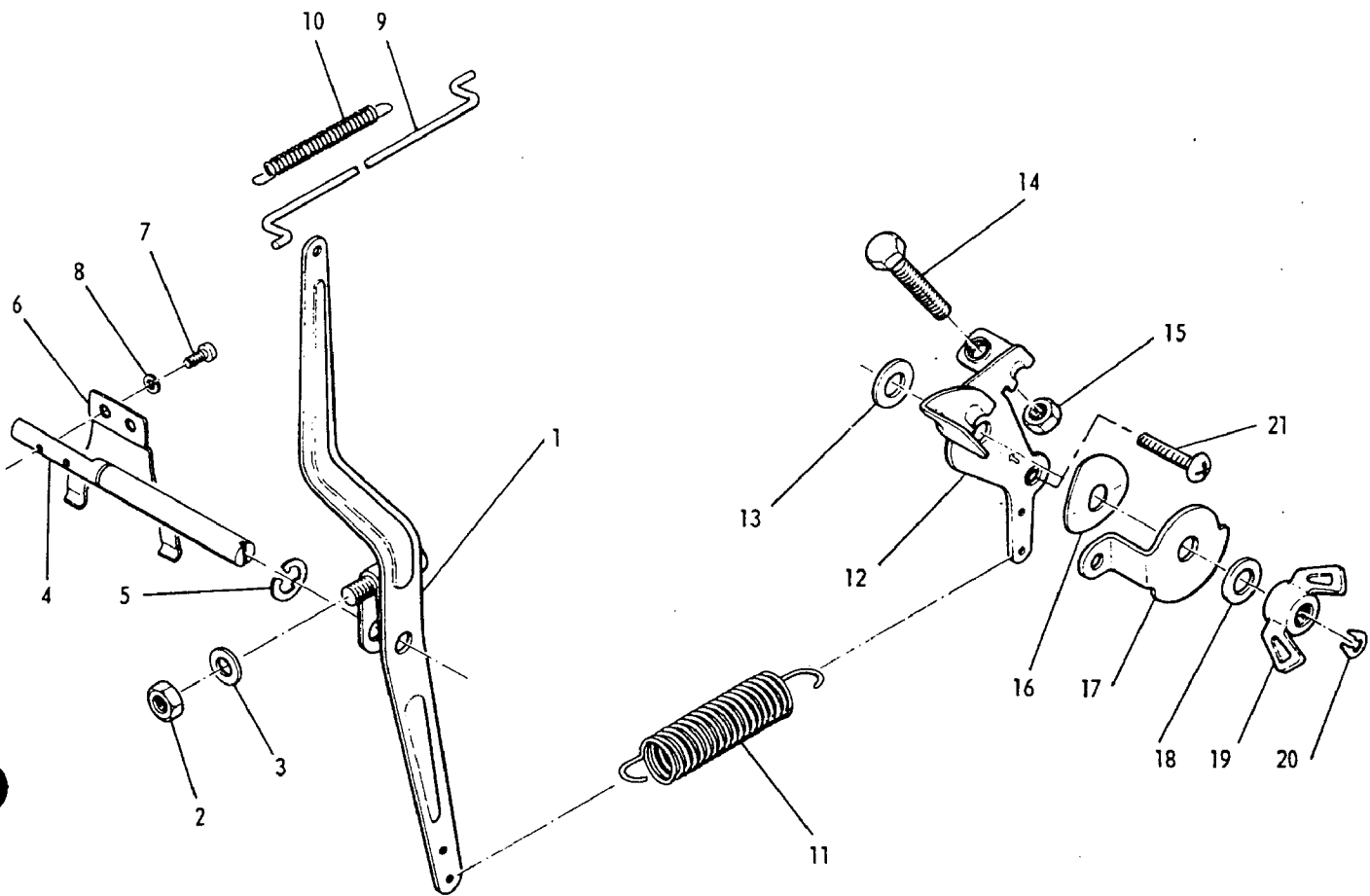


NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	Qty.	Ref. No.	Part Number	Description	Qty.
1	EY2062050101 EY2062060101 EY2062070101	CRANKSHAFT with gear KEYWAY SHAFT (std.) illustrated .. THREADED pump shaft extension TAPERED generator shaft ext.	1	10	EY2062250300	CONNECTING ROD assembly Includes:	1
2	EY0230250080 EY0230250090 EY0230250100	ADJUSTING COLLAR 'A' .701-.709" .709 to .717" 'B' .717 to .725" 'C'	1	11		EY2062310103 OIL SCRAPER	1
3	EY0323030010	KEY, flywheel mounting 3 mm wide x 6 mm high, woodruff	1	12		EY2062320103 LOCK PLATE	1
4	EY0032014000	LOCKWASHER, flywheel nut 14 mm spring lock	1	13		EY2062300203 ROD BOLT	2
5	EY0021814000	NUT, flywheel mounting 14 mm thread, hexagon steel	1	14	EY2063170111	CAMSHAFT assembly Includes:	1
6	EY2062350107 EY2062350207 EY2062350307	RING SET, standard size Consisting of: COMPRESSION RING SCRAPER RING OIL RING010" oversize Ring Set .020" oversize Ring Set	1 1 1 1	15		GOVERNOR PLATE assembly	1
7	EY2062340103 EY2062340203 EY2062340303	PISTON, standard size010" oversize Piston .020" oversize Piston	1	16		RIVET, 4 mm x 13 mm long, rd. head	2
8	EY2062330103	PIN, piston	1	17		PIN, governor sleeve	1
9	EY0565140010	SNAP RING, piston pin	2	18	EY2064190113	GOVERNOR SLEEVE	1
				19	EY2063340103	INLET VALVE	1
				20	EY2063350113	EXHAUST VALVE	1
				21	EY2063360103	VALVE SPRING	2
				22	EY2063370113	RETAINER, valve spring	2
				23	EY2063380113	LOCK, valve spring retainer	2
				24	EY2063330213	VALVE TAPPET	2
				25	EY2069900107	ENGINE GASKET SET Consisting of: GEAR COVER gasket CYLINDER HEAD gasket BREATHER PLATE gasket INSPECTION COVER gasket MUFFLER FLANGE gasket CARBURETOR FLANGE gasket AIR CLEANER gasket	1 1 1 1 1 1 1

GOVERNOR and SPEED CONTROL Group
For Model EY18W

Fig. 3



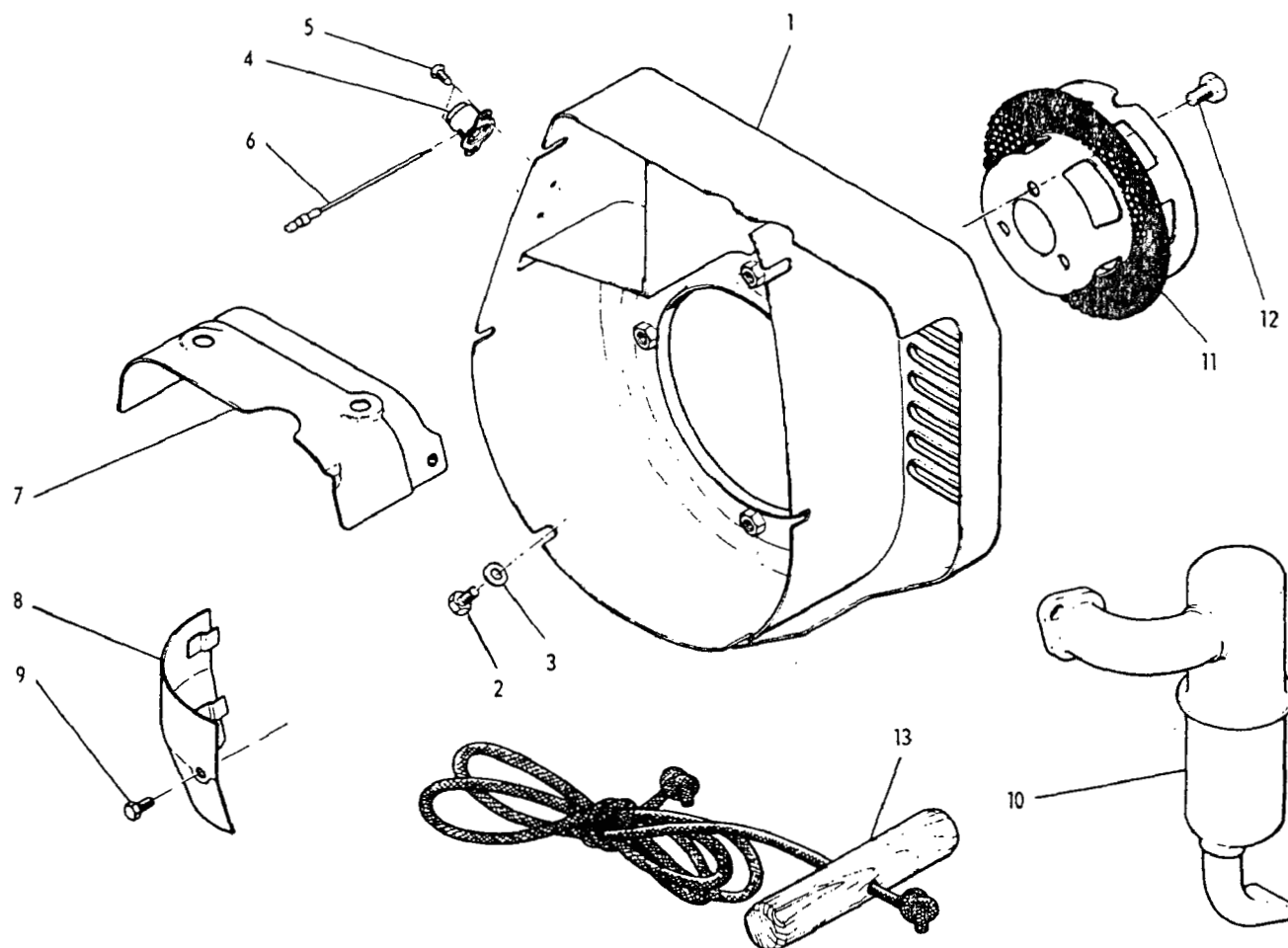
NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	Qty.
●	EY2064230107	GOVERNOR LEVER and SHAFT SET (Includes Items 1 thru 8)	1
1		GOVERNOR LEVER	1
2		NUT, governor lever 6 mm thread, hexagon steel	1
3		WASHER, governor lever 6 mm I.D., plain steel	1
4		GOVERNOR SHAFT	1
5		CLIP, shaft retainer 6 mm I.D. x 12 mm O.D.	1
6		GOVERNOR YOKE	1
7		SCREW, yoke mounting 4 mm x 8 mm long, round head	2
8		LOCKWASHER, yoke mounting 4 mm, spring lock	2
●	EY2064250107	GOVERNOR SPRING and LINK SET (Includes Items 9, 10, 11)	1
9		GOVERNOR LINK	1
10		SPRING, governor link	1
11		GOVERNOR SPRING	1

Ref. No.	Part Number	Description	Qty.
●	EY2064330107	GOVERNOR CONTROL LEVER SET (Includes Items 12 thru 21)	1
12		CONTROL LEVER	1
13		FRICTION WASHER	1
14		SCREW, control lever stop 6 mm x 40 mm long, hexagon head	1
15		NUT, lever stop screw 6 mm thread, hexagon steel	1
16		WASHER, stop plate	1
17		STOP PLATE	1
18		WASHER, wing nut 8 mm I.D., plain steel	1
19		WING NUT, control lever 8 mm thread	1
20		CLIP, control mounting stud 4 mm I.D. x 9 mm O.D., U type	1
21		SCREW, control wire lock 4 mm x 14 mm long, round head	1

Fig. 4

SHROUDING, MUFFLER and STARTING PULLEY Group For Model EY18W



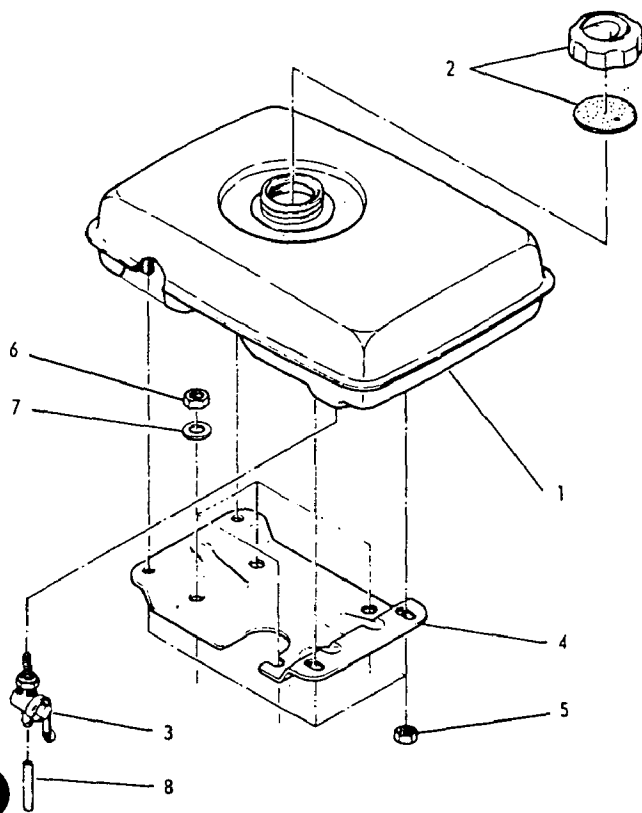
NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	Qty.	Ref. No.	Part Number	Description	Qty.
1	EY2065146001	FLYWHEEL SHROUD	1	9	EY0016506100	SCREW, cylinder baffle mounting 6 mm x 10 mm long, hexagon head	1
2	EY0016506120	SCREW, flywheel shroud mounting 6 mm x 12 mm long, hexagon head	6	10	EY2063015101	EXHAUST MUFFLER	1
3	EY0031106000	WASHER, flywheel shroud mounting .. 6.4 mm I.D. x 13 mm O.D. plain steel	6	11	EY2065420401	STARTING PULLEY	1
4	EY0662000010	STOP BUTTON assembly	1	12	EY0016508120	SCREW, starting pulley mounting 8 mm x 12 mm long, hexagon head	3
	EY0150040010	SCREW, stop button mounting	2	13	EY0703080020	STARTING ROPE assembly	1
	EY2067310101	IGNITION WIRE, stop button	1				
	EY2065266001	BAFFLE, cylinder head	1				
	EY2065306001	BAFFLE, cylinder	1				

Fig. 5

FUEL TANK Group

For Model EY18W

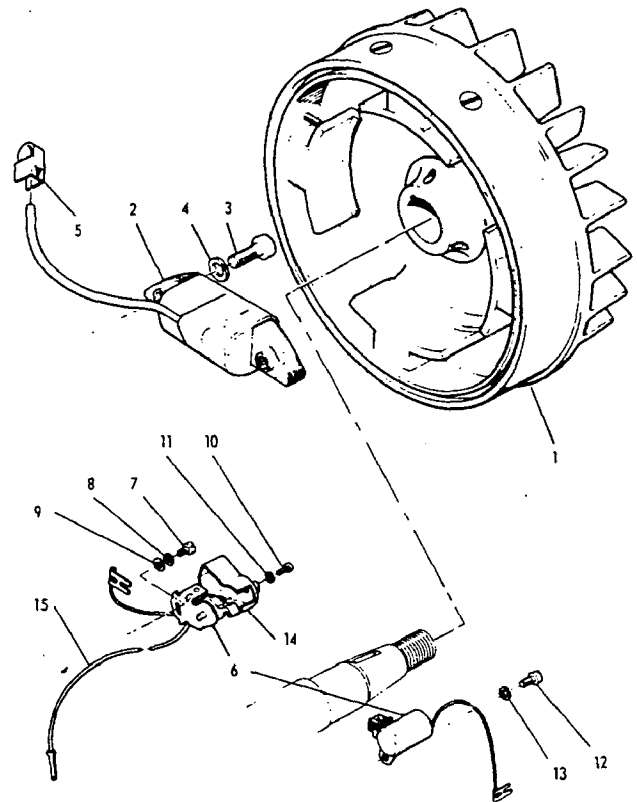


NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	Qty.
1	EY2066030117	FUEL TANK assembly	1
2		Includes: EY2066900107 CAP with gasket	1
3	EY0642000700	FUEL STRAINER	1
4	EY2066170101	BRACKET, fuel tank	1
5	EY0021708000	NUT, tank to bracket mounting	4
		8 mm thread, hexagon steel	
6	EY0022710000	NUT, bracket to head mounting	4
		10 mm thread, hexagon steel	
7	EY0031010000	WASHER, bracket to head nut	4
		10.5 mm I.D. x 18 mm O.D. plain steel	
8	EY0850040050	FUEL LINE	1

MAGNETO Group

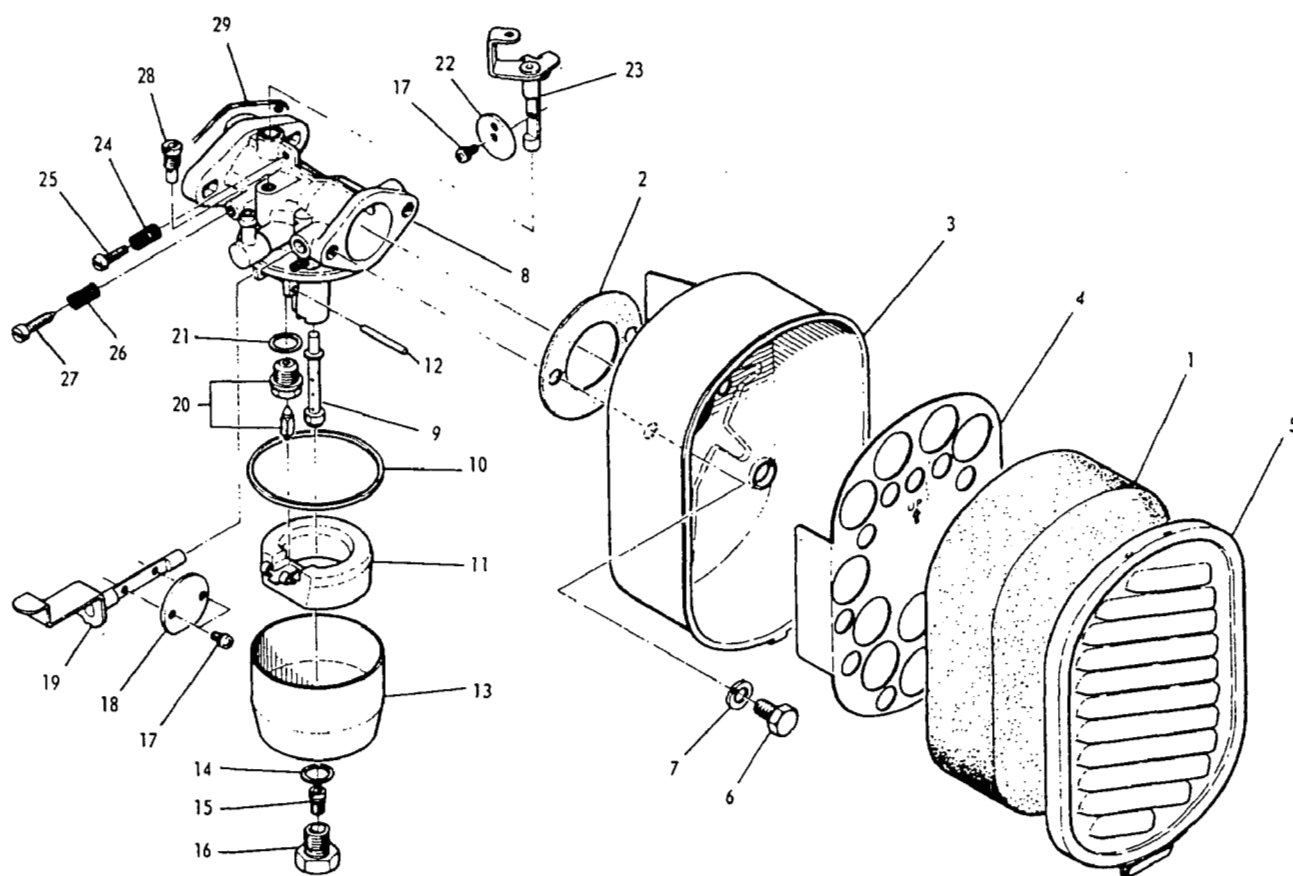
Fig. 6



Ref. No.	Part Number	Description	Qty.
1	EY2067012008	FLYWHEEL	1
2	(EY2067013008)	IGNITION COIL 206-70102-08	1
3	EY0040106250	SCREW, ignition coil mounting	2
		6 mm x 25 mm long, round head	
4	EY0032006000	LOCKWASHER, coil screw	2
		6 mm, spring lock	
5	EY0655000030	TERMINAL, spark plug lead	1
6	(EY2067010107)	POINTS and CONDENSER KIT	1
	206-70102-07	Includes: Contact Breaker and Condenser	
7	EY2067110107	HARDWARE SET for points and con- denser mounting. Consisting of:	
8		SCREW, point bracket mounting	1
		4 mm x 8 mm long, round head	
9		LOCKWASHER, point bracket	1
		4 mm, spring lock	
10		WASHER, point bracket mounting	1
		4 mm, plain steel	
11		SCREW, point cover mounting	1
		3 mm x 10 mm long, pan head	
12		LOCKWASHER, point cover	1
		3 mm, spring lock	
13		SCREW, condenser mounting	1
		4 mm x 6 mm long, round head	
14		LOCKWASHER, condenser mounting ..	1
		4 mm, spring lock	
15		POINT COVER	1
		LEAD WIRE	1

Fig. 7

CARBURETOR and AIR CLEANER Group For Model EY18W

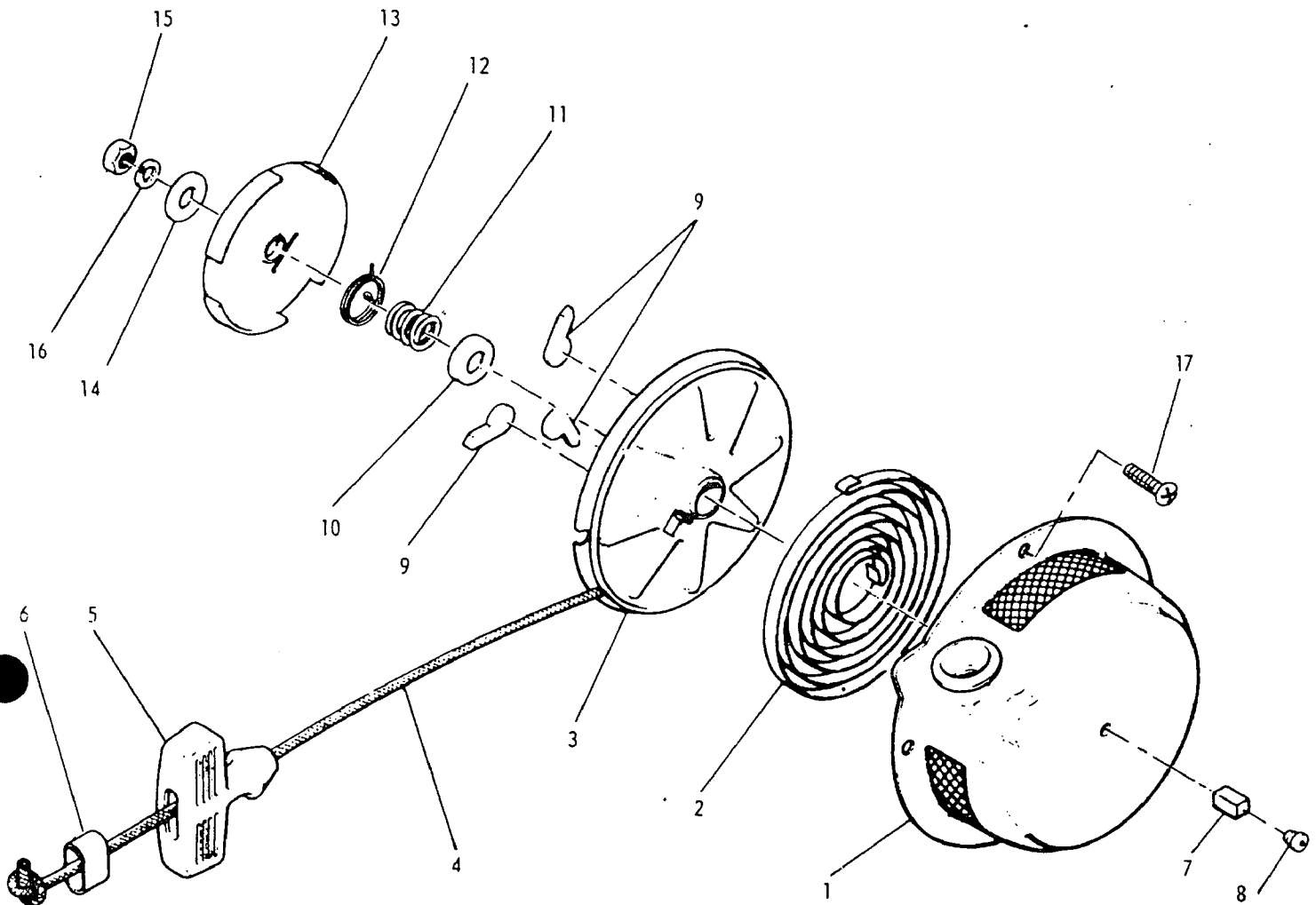


NOTE: Items without a part number are not sold separately.

Ref. No.	Part Number	Description	Qty.	Ref. No.	Part Number	Description	Qty.
●	EY2063260400	AIR CLEANER assembly	1	17	†	SCREW, choke and throttle valve 3 mm x 5 mm long, pan head	3
1		Consisting of:		18		CHOKE VALVE	1
2	† *	EY2063600303 ELEMENT	1	19		CHOKE SHAFT	1
3		GASKET (also included in engine gasket set)	1	20	EY2096230208†	FUEL VALVE and SEAT assembly	1
4		BODY	1	21	† *	GASKET, valve seat	1
5	EY2063500101	RETAINER	1	22		THROTTLE VALVE	1
6	EY0016506100	COVER	1	23		THROTTLE SHAFT	1
7	EY0032006000	SCREW, air cleaner mounting 6 mm x 10 mm long, hexagon head	2	24		SPRING, throttle stop screw	1
8	EY2066230210	LOCKWASHER, air cleaner mtg. 6 mm, spring lock	2	25		SCREW, throttle stop 3 mm x 12 mm lg., flat fillister head	1
9		CARBURETOR assembly	1	26		SPRING, pilot screw	1
10	† *	(Includes Items 9 thru 28) NOZZLE	1	27	†	PILOT SCREW	1
11	EY2066250508	GASKET, float chamber	1	28	†	PILOT JET	1
12	†	FLOAT	1	29	† *	FLANGE GASKET, carburetor	2
13		FLOAT PIN	1	●	EY2066230307	REPAIR KIT, carburetor † Parts included in kit.	
14	† *	FLOAT CHAMBER	1	●	EY2066230207	GASKET SET, carburetor * Parts included in set.	
15	† *	WASHER, jet holder	1				
16	† *	MAIN JET	1				
		HOLDER, main jet	1				

RECOIL STARTER ASSEMBLY For Model EY18W

Fig. 6



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

Ref. No.	Part Number	Description	Qty.	Ref. No.	Part Number	Description	Qty.
•	EY2065026000	RECOIL STARTER complete		9		RATCHET	3
1		HOUSING	1	10		WASHER, spring retainer	1
2	EY2065011508	POWER SPRING	1	11		SPRING, compression	1
3		REEL	1	12		SPRING, return	1
•	EY2065010207	ROPE ASSEMBLY	1	13		RETAINER, ratchet	1
		Consisting of:		14		WASHER, retainer spacing	1
4		ROPE	1	15		NUT, retainer mounting	1
5		HANDLE	1			8 mm thread, hexagon steel	
6		BUSHING	1	16		WASHER, retainer lock	1
	EY2065010107	HARDWARE KIT, recoil starter assembly	1			8 mm, spring lock	
		(Includes Items 7 thru 16)		17	EY0043106080	SCREW, recoil starter mounting	4
7		OIL HOLDER	1			6 mm x 8 mm long, pan head	
8		OIL CUP	1			(Not included in Hardware Kit.)	

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

**FOR SERVICE PARTS, contact your nearest authorized
Wisconsin Distributor or Service Center.**



 **TELEDYNE TOTAL POWER**

3409 DEMOCRAT ROAD
MEMPHIS, TENNESSEE 38118
