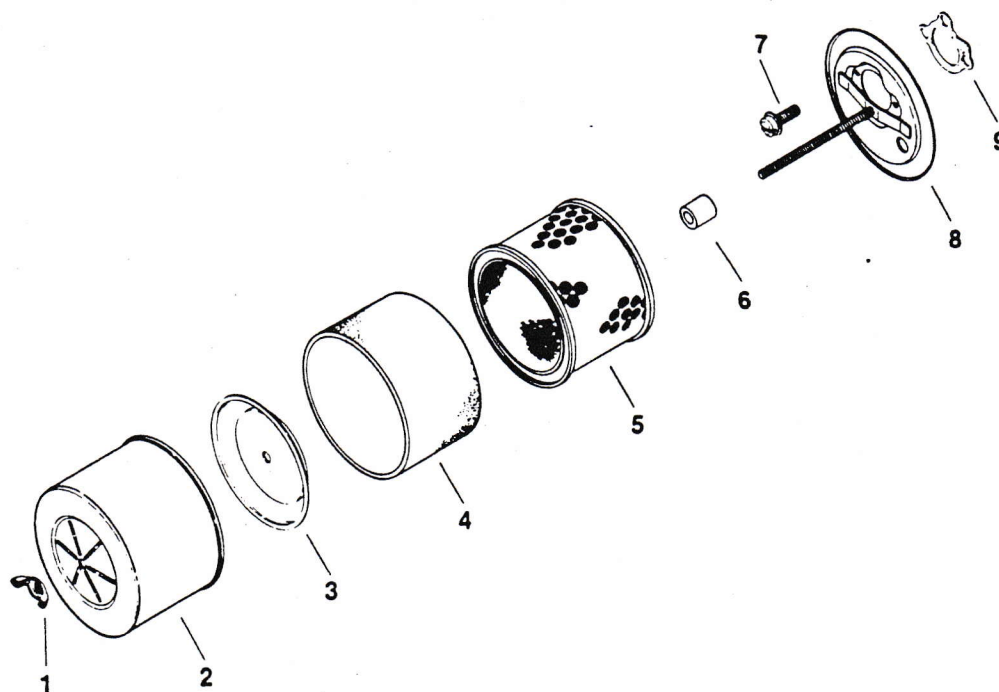




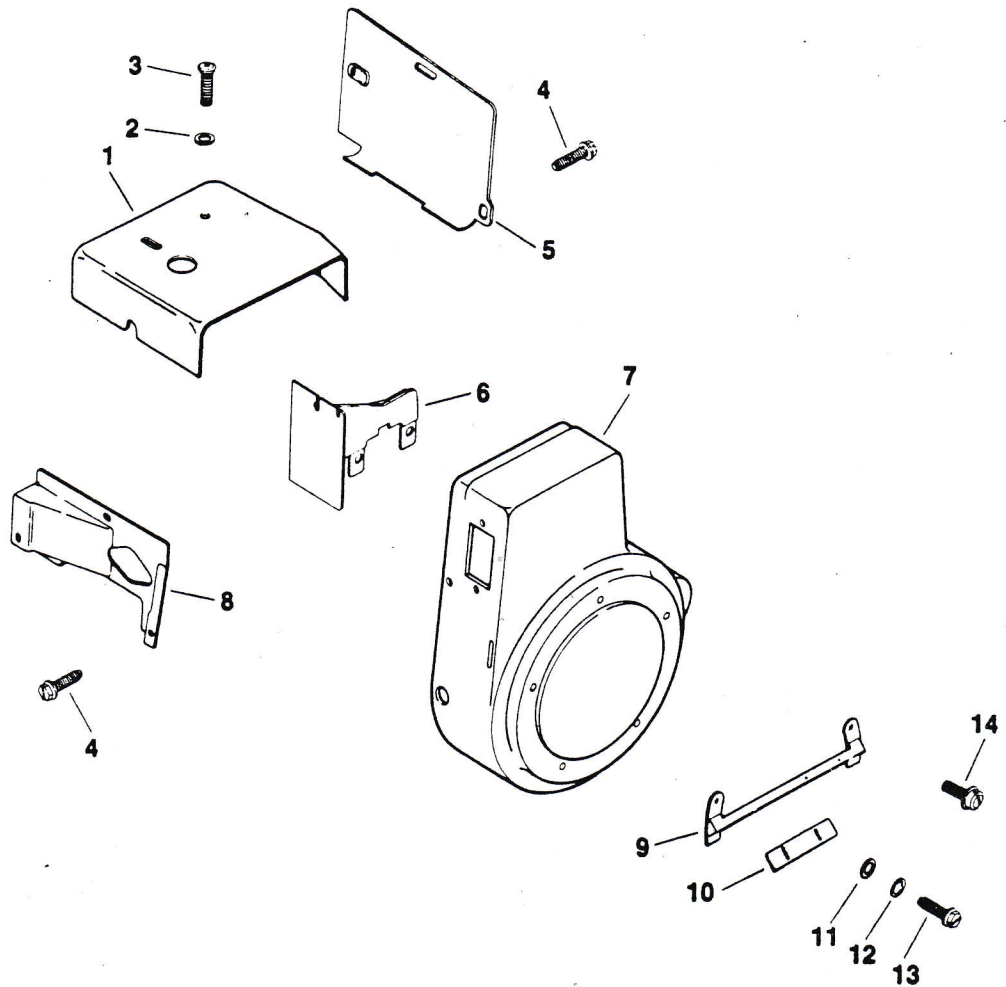
**KOHLER ENGINE PARTS LIST
MODEL M12S
12 H.P.
SPEC 471561**

AIR INTAKE - GROUP 1



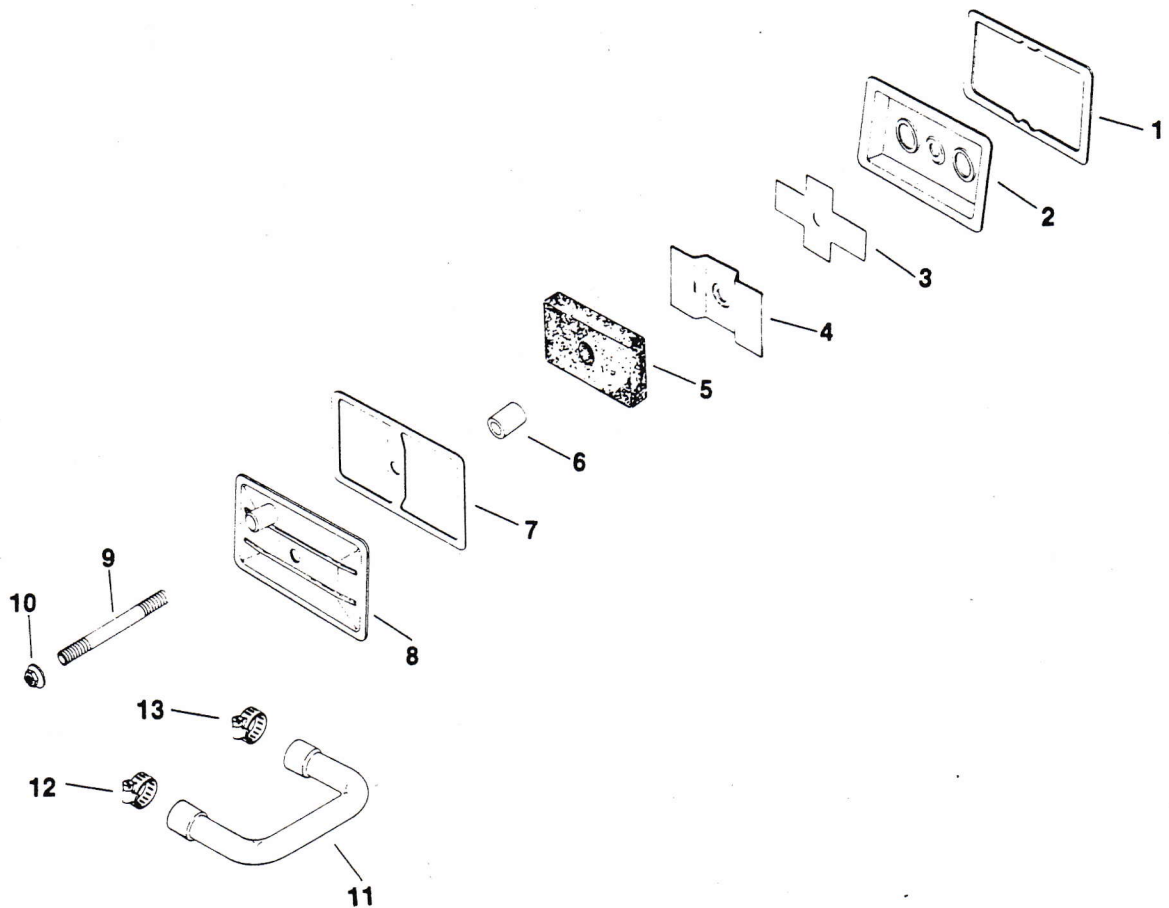
KOHLER ITEM NO.	GRAVELY PART NO.	PART NO.	DESCRIPTION
1	X-276-7	10413	Wing nut 1/4-20
2	45 082 01	34767	Cover, air cleaner
3	52 082 04	35336	Cover, element
4	45 083 01	34768 46346	Precleaner
5	45 083 02	34766 46344	Element, air cleaner
6	231032	10772	Seal, breather
7	X-167-2	132100	Screw, F.H. sems 10-32x3/8 (3)
8	45 094 01	34765	Base, air cleaner
9	275341	10760	Gasket, air horn
	25 113 07	44013	Decal, air cleaner

BAFFLES AND SHROUD - GROUP 2



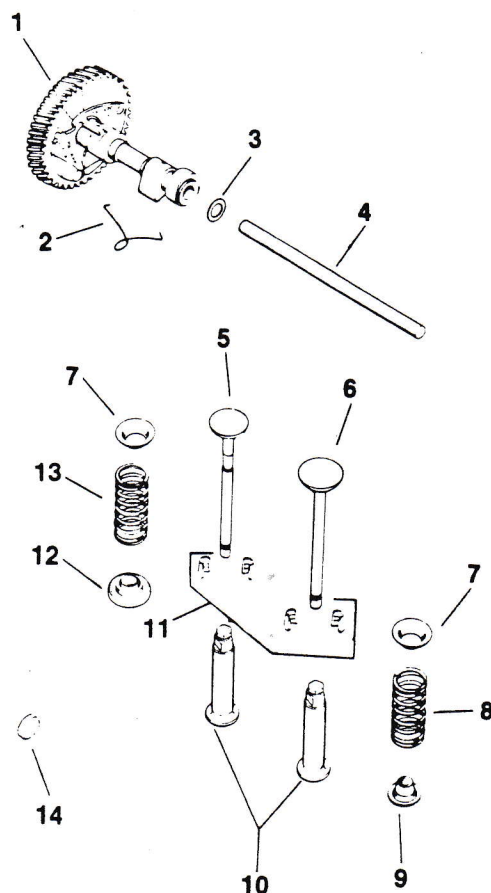
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	45 063 08	42378	Baffle, head
2	X-25-53	40746	Washer, plain 1/4
3	47 086 08	32587	Screw, pozidriv T.H. 1/4-20x5/8
4	52 086 11	40796	Screw, hex. wash. hd. 1/4-20x5/8 (6)
5	47 063 10	42379	Baffle, cylinder
6	47 063 07	42380	Baffle, inner
7	47 027 44	42381	Housing, blower
8	47 063 11	42382	Baffle, side air
9	47 265 01	42383	Deflector, grass
10	47 040 02	42384	Blade, adjusting (2)
11	25 468 02	48749	Washer, plain 1/4 (4)
12	X-22-7	42385	Washer, I.T. #8 (4)
13	X-67-59	10956	Screw, sheet metal (4)
14	41 086 06	44016	Screw, flange lock 10-24x1/4 (2)
	52 113 11	42313	Decal, adj. warning

BREATHER AND VENT - GROUP 3



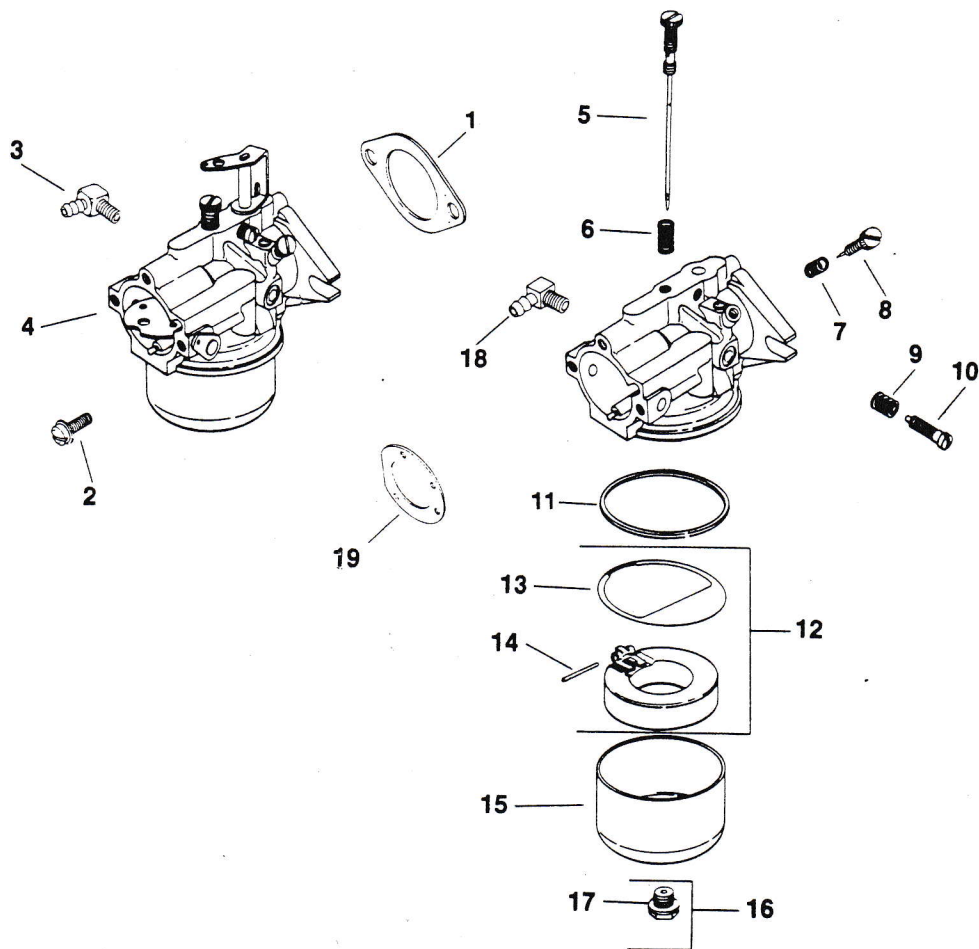
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	235048	10770	Gasket, breather plate
2	235631	10767	Plate, breather
3	235047	10771	Reed, breather
4	235117	10769	Baffle, breather
5	235118	10768	Filter, breather
6	231032	10772	Seal, breather
7	275144	10773	Gasket, valve cover
8	275839	42435	Cover, valve
9	275220	10774	Stud, valve cover
10	X-799-1	24881	Palnut 1/4-20
11	47 326 02	24863	Hose, breather
12	X-426-3	24861	Clamp, hose
13	X-426-9	22146	Clamp, hose

CAMSHAFT AND VALVES - GROUP 4

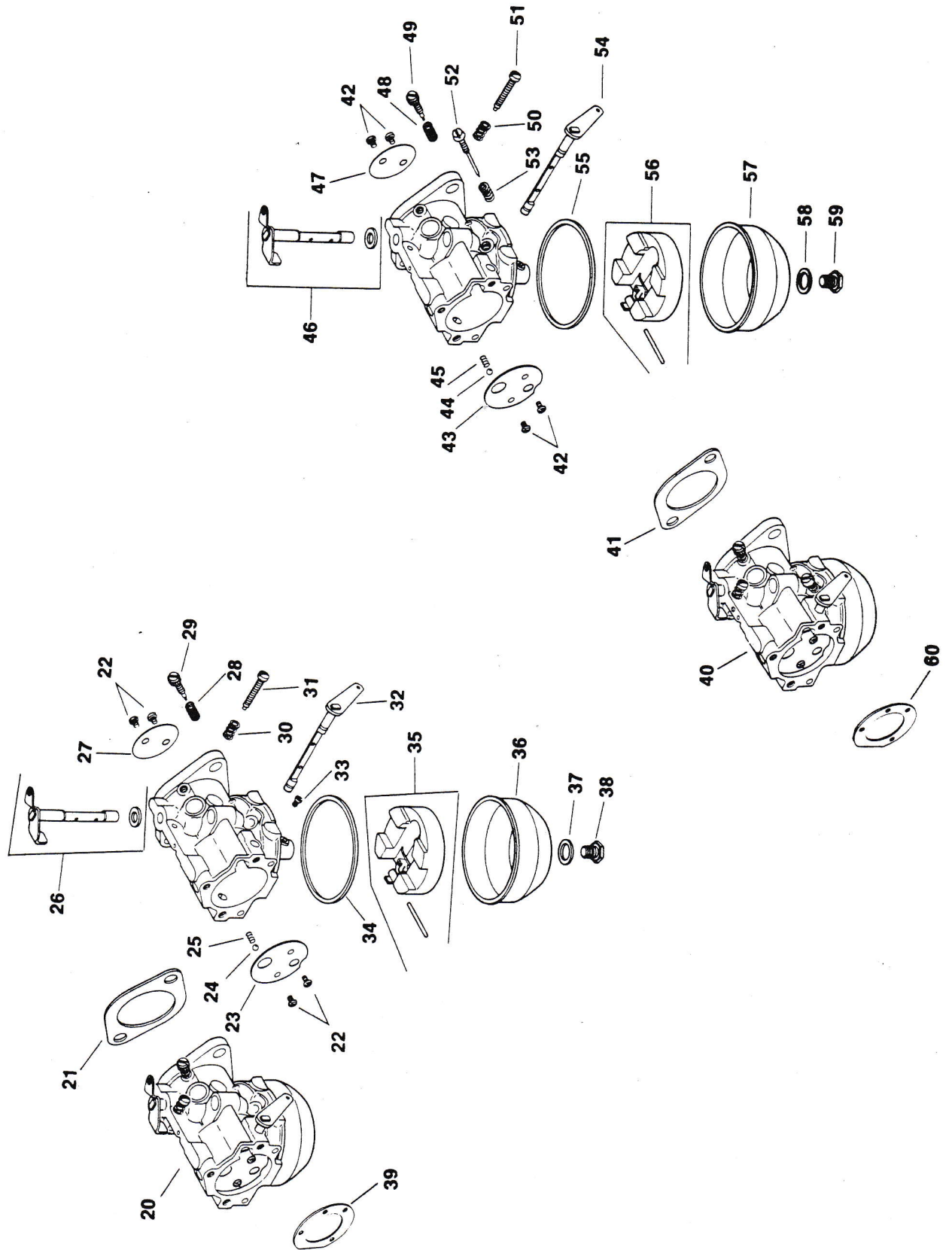


ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	47 010 11	42390	Camshaft assembly
2	47 089 01	10947	Spring, actuating
3	275066	10786	Spacer .005 (A.R.)
	275067	10787	Spacer .010 (A.R.)
4	47 380 09	42391	Pin, camshaft
5	235838	10777	Valve, exhaust
6	235008	10776	Valve, intake
7	235011	10780	Retainer, upper spring (2)
8	235010	10778	Spring, intake valve
9	230011	10781	Retainer, spring
10	D-235327	10784	Tappet (2)
11	41 755 10	10785	Kit, retainer (2)
12	52 413 01	42320	Rotator
13	235168	10779	Spring, exhaust valve
14	X-702-3	40294	Plug, cup 1/2" O.D.

CARBURETOR - GROUP 5



CARBURETOR - GROUP 5



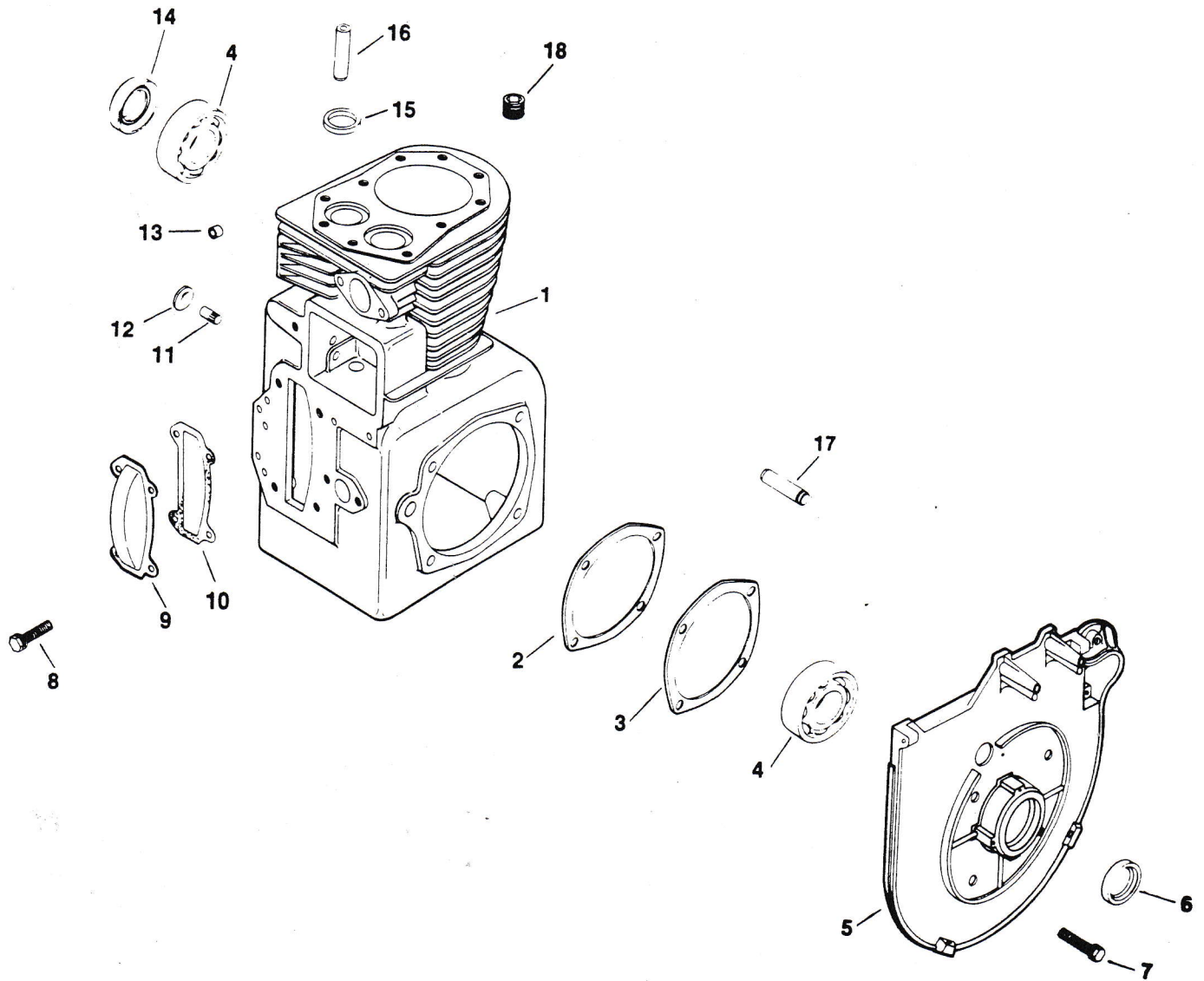
CARBURETOR - GROUP 5

ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	47 049 01	42394	Gasket, carburetor
2	X-770-1	180079	Screw, sltd. hd. 5/16-18x1 (2)
3	25 155 02	14745	Connector, 90 hose (for 1/4" I.D. rubber hose)
Before Serial No. 1726700013 use the following parts:			
4	47 053 80	42436	Carburetor assembly (includes 5-17)
5	235415	10937	Needle, main fuel adj.
6	200383	10927	Spring, main fuel
7	200380	14769	Spring, idle fuel
8	235006	14771	Needle, idle fuel adj.
9	232555	20249	Spring, idle speed
10	232556	32486	Screw, idle speed adj.
11	200375	10925	Gasket, bowl
12	25 757 03	35320	Kit, float
13	25 041 02	10929	Gasket, bowl baffle
14	200376	10926	Pin, float hinge
15	235448	14772	Bowl, fuel
16	47 100 06	24869	Screw, bowl retainer
17	200372	10924	Gasket, bowl retainer screw
18	X-391-10	42470	Connector
19	47 041 05	42395	Gasket, air cleaner
	25 757 01	10792	Kit, carburetor repair
	25 757 05	40760	Kit, throttle & choke repair
After Serial No. 1726700003 use the following parts:			
20	47 853 18	48750	Kit, carburetor
21	47 049 01	42394	Gasket, carburetor
22	25 086 27	44046	Screw, throttle choke plate (4)
23	47 146 08	48753	Plate, choke
24	25 194 01	44048	Ball, choke friction
25	25 089 03	44049	Spring, choke friction
26	47 144 21	48754	Shaft, throttle w/lever and seal
27	25 146 02	44051	Plate, throttle
28	25 089 02	44052	Spring, idle fuel
29	25 368 01	44053	Needle, idle fuel adj.

CARBURETOR - GROUP 5

ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
30	25 089 04	44054	Spring, idle speed
31	25 086 26	44055	Screw, idle speed adj.
32	47 090 38	48755	Lever, choke
33	47 337 02	48756	Jet, main
34	25 041 04	44058	Gasket, bowl
35	25 757 09	44059	Kit, float
36	25 104 01	44060	Bowl, fuel
37	25 041 03	44061	Gasket, bowl retainer screw
38	25 100 05	44062	Screw, bowl retainer
39	47 041 07	48751	Gasket, air cleaner
	25 757 11	44063	Kit, carburetor repair
	47 755 36	48752	Kit, high altitude jet
After Serial No. 1825600003 use the following parts:			
40	47 853 27	42436	Kit, carburetor w/linkage
41	47 049 01	42394	Gasket, carburetor
42	25 086 27	44046	Screw, throttle choke plate (4)
43	47 146 08	48753	Plate, choke
44	25 194 01	44048	Ball, choke friction
45	25 089 03	44049	Spring, choke friction
46	47 144 21	48754	Shaft, throttle w/lever and seal
47	25 146 02	44051	Plate, throttle
48	25 089 02	44052	Spring, idle fuel
49	25 368 01	44053	Needle, idle fuel adj.
50	25 089 04	44054	Spring, idle speed
51	25 086 26	44055	Screw, idle speed adj.
52	25 368 03	48741	Needle, main fuel adj.
53	25 089 02	44052	Spring, idle fuel
54	47 090 38	48755	Lever, choke
55	25 041 04	44058	Gasket, bowl
56	25 757 09	44059	Kit, float
57	25 104 01	44060	Bowl, fuel
58	25 041 03	44061	Gasket, bowl retainer screw
59	25 100 05	44062	Screw, bowl retainer
60	47 041 07	48751	Gasket, air cleaner
	25 757 11	44063	Kit, carburetor repair

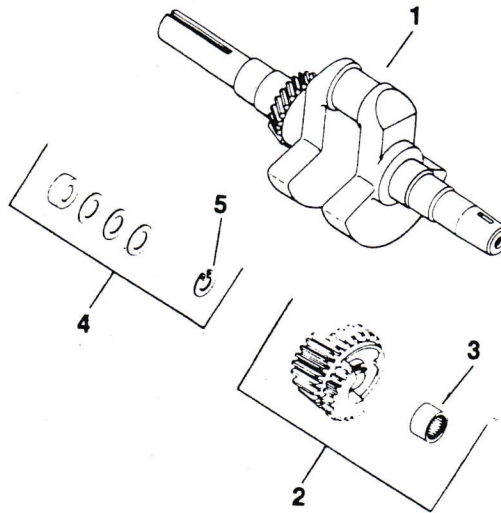
CRANKCASE - GROUP 7



CRANKCASE - GROUP 7

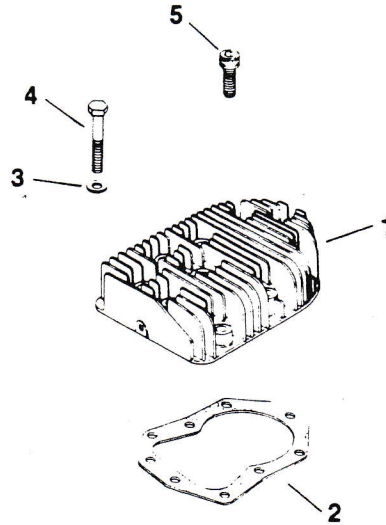
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1			Block, cylinder assembly (includes 14, 16 & 17) (USE: Miniblock)
2	47 422 05	42398	Gasket, shim (A.R.)
3	47 041 09	42399	Gasket, bearing plate
4	235376	10794	Bearing, ball (2)
5	47 146 07	42400	Plate, bearing
6	47 032 06	10800	Seal, front oil
7	X-159-2	180122	Screw, H.C. sems 3/8-16x1 (4)
8	X-132-6	180016	Screw, H.C. sems 1/4-20x1/2 (4)
9	235026	10797	Cover, camshaft
10	235025	10798	Gasket, camshaft cover
11	235125-S	11648	Shaft, governor gear
12	X-230-11	10948	Plug, expansion
13	234866	11647	Bearing, governor cross shaft
14	47 032 07	10799	Seal, rear oil (2)
15	230170	12150	Insert, exhaust valve
16	235007-S	11646	Guide, valve (2)
17	236559	14794	Shaft, balance gear stub (2)
18	47 139 01	34748	Plug, hex ctsk. 3/4 N.P.T.F.

CRANKSHAFT - GROUP 8



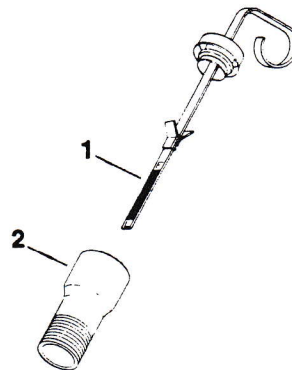
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	47 142 45	42438	Kit, crankshaft
2	45 043 03	42401	Gear assembly (2)
3	47 030 01	34750	Bearing, needle (2)
4	47 755 01	20964	Kit, spacer
5	X-269-34	14796	Retainer (2)

CYLINDER HEAD - GROUP 9



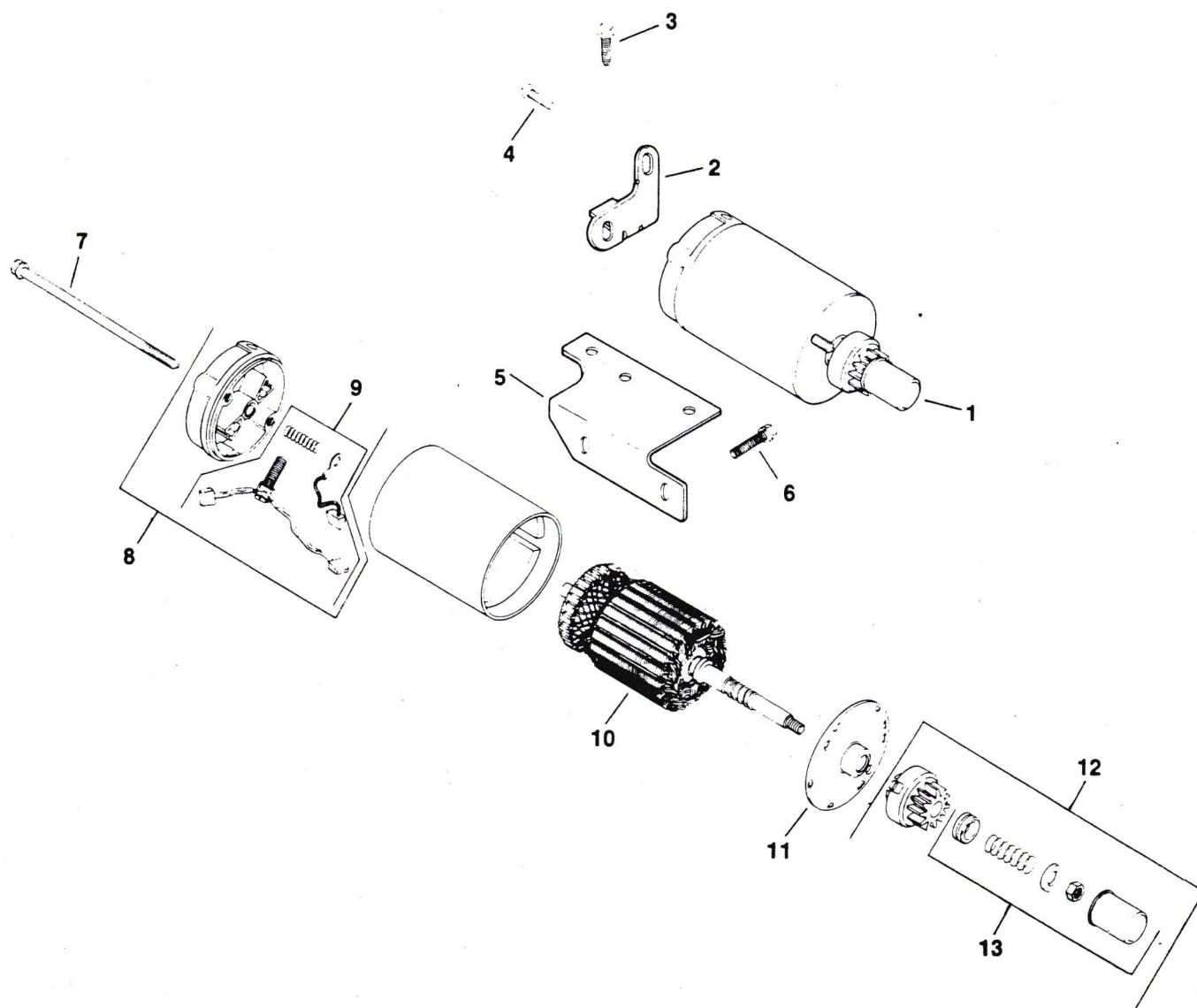
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	47 015 06	42439	Head, cylinder
2	47 041 10	10803	Gasket, head
3	270889	10805	Washer, plain 3/8 (9)
4	270158	180126	Screw, H.C. 3/8-16x1-1/2 (8)
5	47 086 17	42403	Screw, hex. socket hd. 3/8-16x1

DIPSTICK - GROUP 10



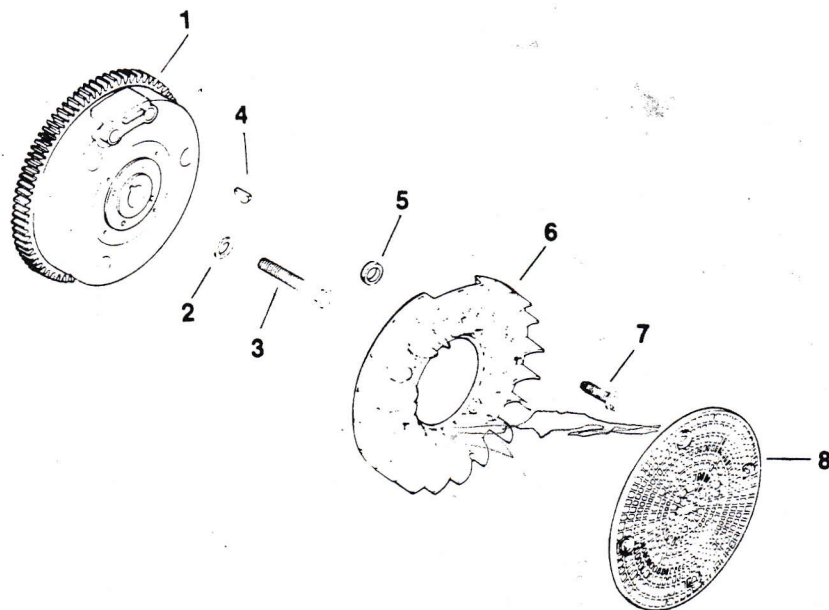
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	237013	34751	Dipstick, 4-3/8" blade
2	47 123 08	34752	Tube, oil fill 2-19/32"

ELECTRIC START - GROUP 11



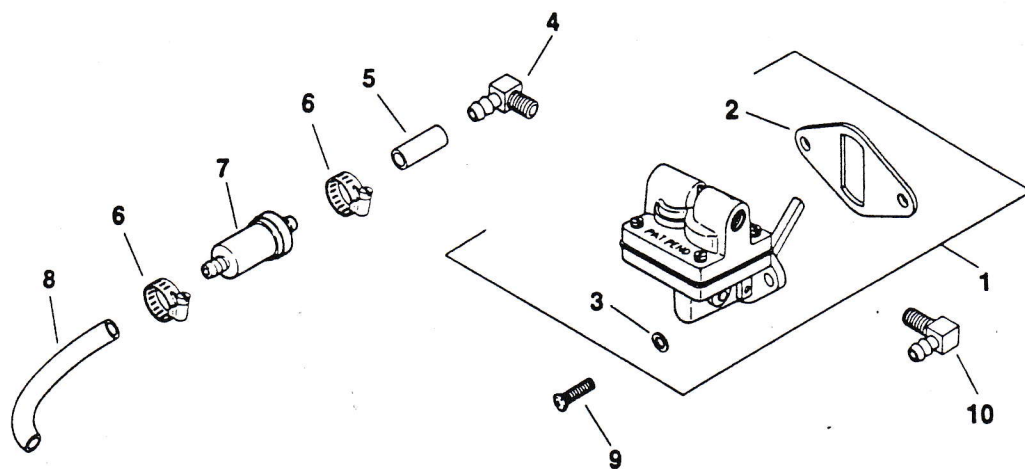
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	41 098 04	42404	Starter assembly (includes 7-13)
2	45 126 17	42405	Brace, tail
3	X-67-83	32612	Screw, hex. wash. hd. 1/4-20x3/8
4	X-67-62	42406	Screw, hex. wash. hd. 1/4-20x3/4
5	47 126 29	42407	Bracket, solenoid
6	X-159-2	180122	Screw, H.C. sems 3/8-16x1 (2)
7	41 086 19	42408	Bolt, thru 1/4-20x5-1/16 (2)
8	41 227 04	42409	Cap, commutator end assembly
9	52 755 15	38036	Kit, brush
10	45 170 02	42410	Armature
11	41 227 03	42411	Cap, drive end
12	47 755 07	18753	Kit, drive
13	47 755 13	24936	Kit, drive parts

FLYWHEEL - GROUP 13



ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	47 025 53	42412	Flywheel
2	52 468 15	46145	Washer, plain
3	25 086 24	34179	Screw, hex. mach. 3/8-24x1-1/8
4	X-46-3	103462	Key, woodruff 3/16x1
5	25 112 04	42413	Spacer 17/64" I.D., 3/8" O.D., 15/64" lg. (4)
6	25 157 01	42414	Fan
7	25 086 21	42341	Screw, hex. wash. hd. 1/4-20x5/8 (4)
8	25 162 01	42342	Screen, grass

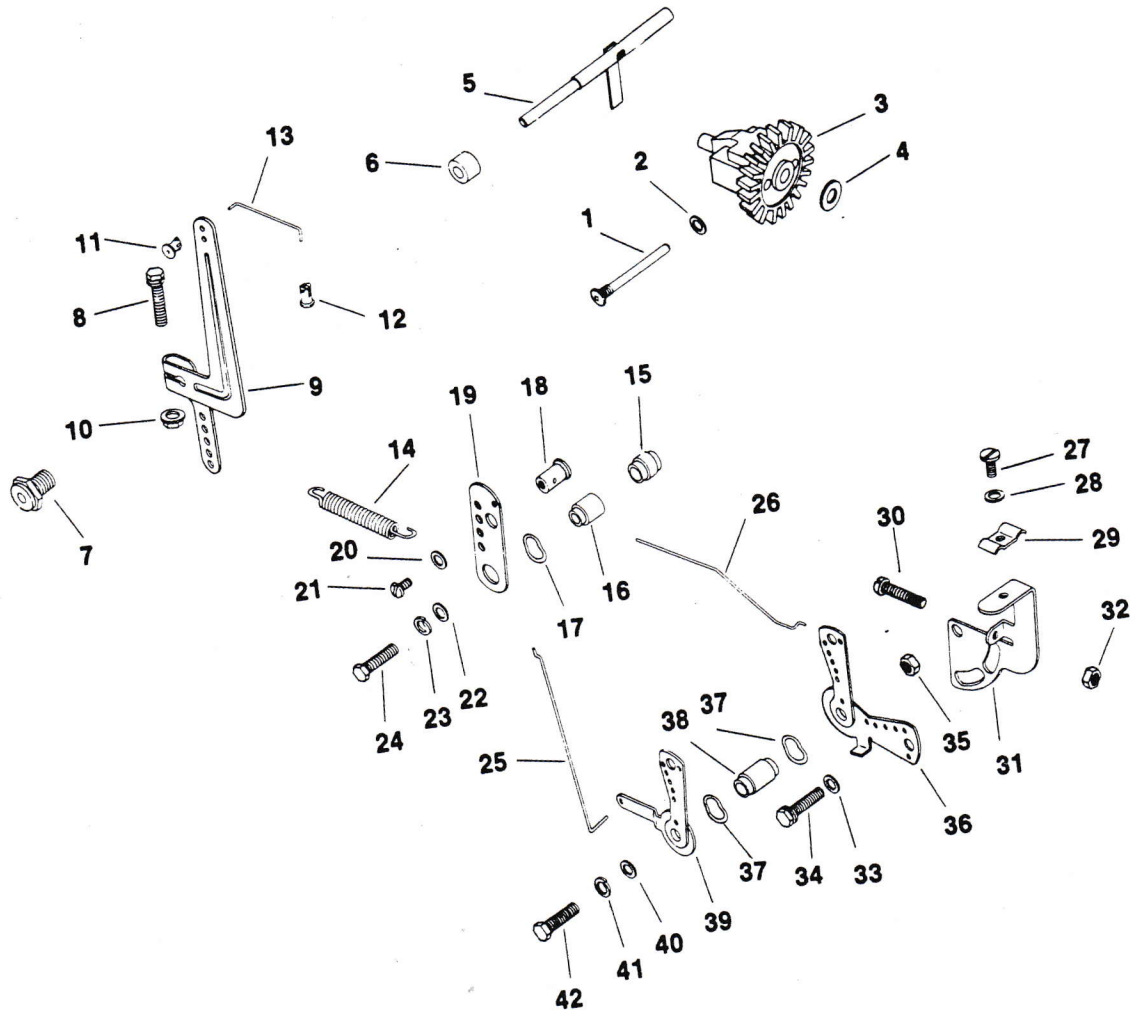
FUEL PUMP - GROUP 14



FUEL PUMP - GROUP 14

ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	47 559 04	38789	Pump, fuel assembly (Includes 2 and 3)
2	25 041 05	43979	Gasket, fuel pump
3	X-25-63	32685	Washer, plain 1/4 (2)
4	25 155 02	14745	Connector, 90 hose inlet
5	25 353 01	42416	Line, fuel 1/4" I.D., 5-1/2" long
6	X-426-9	22146	Clamp, hose (2)
7	25 050 01	40742	Filter, fuel
8	25 353 10	42415	Line, fuel 9" long
9	X-174-2	40741	Screw, pozidriv F.H. Sems 1/4-20x3/4 (2)
10	25 155 02	14745	Connector, 90 hose outlet

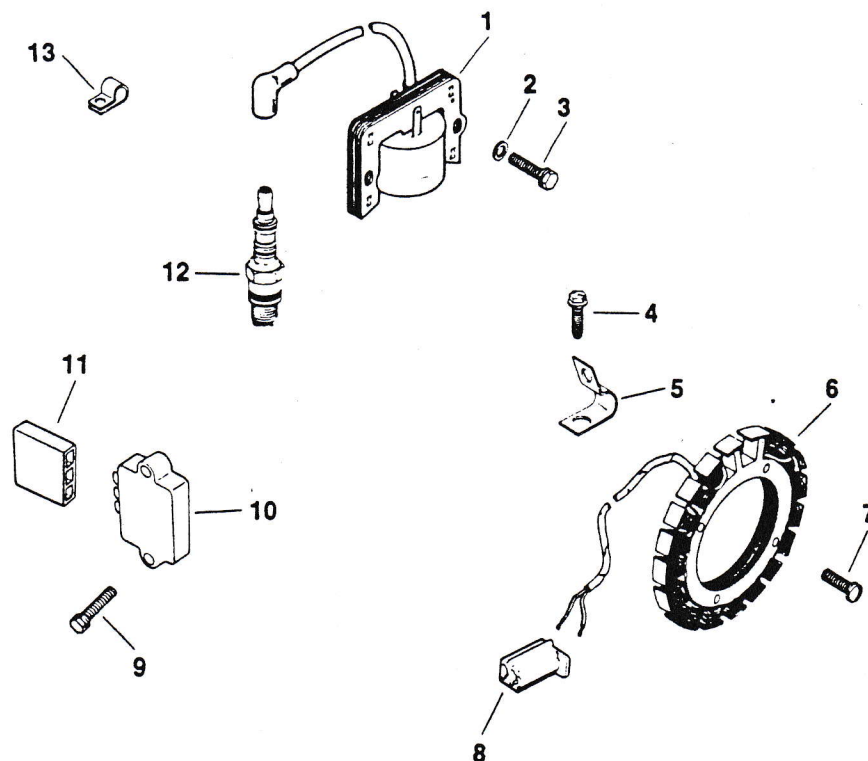
GOVERNOR - GROUP 17



GOVERNOR - GROUP 17

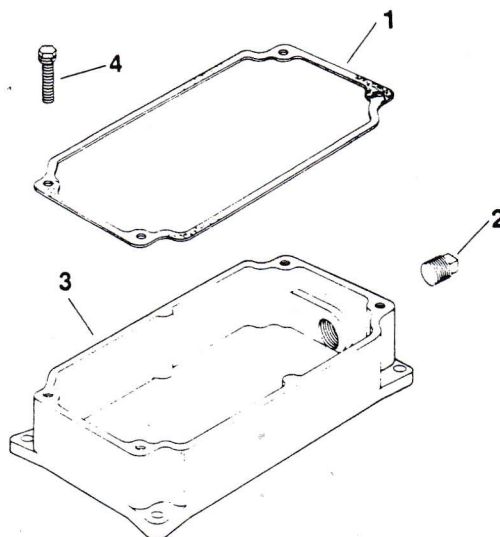
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	231355	10833	Pin governor stop
2	25 468 01	446179	Washer, plain 1/4
3	A-235743-S	10823	Kit, governor gear
4	237022	19550	Washer, thrust
5	A-235256-S	10829	Kit, governor cross shaft
6	X-400-80	19595	Spacer
7	235476	10826	Bushing, governor
8	X-776-1	24880	Screw, H.C. sems 1/4-20x1-1/4
9	47 090 20	42417	Lever, governor
10	X-799-1	24881	Palnut 1/4-20
11	47 158 07	42418	Bushing, natural linkage retaining
12	25 158 09	48738	Bushing, black linkage retaining
13	47 079 05	42419	Linkage, governor (Governor to Carburetor)
14	235496	10824	Spring, governor
15	X-384-2	42420	Spacer 17/64" I.D., 13/32" O.D., 1/2" long (2)
16	235085	10831	Spacer 23/64" O.D., 9/16" long (2)
17	275690	10822	Washer, wave (2)
18	48 755 10	10834	Kit, clamp (includes 20 and 21) (2)
19	235086	10830	Bracket, speed control (2)
20	X-25-102	32591	Washer, plain 1/4 (2)
21	X-51-8	34227	Screw, sltd. pan hd. 8-32x1/4 (2)
22	X-20-1	120380	Washer, lock 1/4 (2)
23	X-25-63	32685	Washer, plain 1/4 (2)
24	X-5-26	180034	Screw, H.C. 1/4-20x1-1/2 (2)
25	47 079 01	34778	Linkage, choke
26	47 079 08	42440	Linkage, throttle
27	X-67-51	32609	Screw, hex washer hd. 10-24x3/4
28	25 468 04	48757	Washer, plain
29	47 237 02	34785	Clamp
30	232556	32486	Screw
31	47 126 09	34784	Bracket, choke
32	X-72-4	120622	Nut, hex. 8-32
33	X-25-72	10954	Washer, flat
34	X-132-6	180016	Bolt, hex 1/4-20x.50
35	X-76-2	120375	Nut, hex. 1/4-20
36	47 090 39	42422	Lever, throttle control
37	275690	10822	Washer, wave (2)
38	47 112 02	34783	Spacer 23/64" O.D., 13/16" long
39	47 090 40	42423	Lever, choke control
40	X-25-63	32685	Washer, plain 1/4
41	X-20-1	120380	Washer, lock 1/4
42	X-5-26	180034	Screw, H.C. 1/4-20x1-1/2

IGNITION - GROUP 18



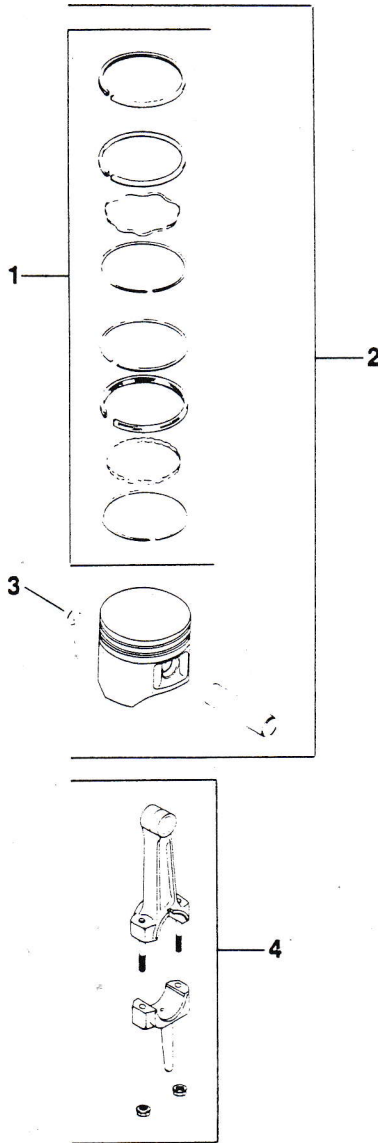
ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	47 584 01	42424	Module, ignition (Before Serial No. 1715900013)
	47 584 02	44033	Module, ignition (After Serial No. 1715900003)
2	X-25-79	10921	Washer, plain #10 (2)
3	X-156-1	42425	Screw, H.C. sems 10-24x7/8 (2)
4	X-67-59	10956	Screw, hex. wash. hd. 8-32x3/8
5	X-728-1	19565	Clip, lead
6	237878	18626	Kit, stator
7	X-778-1	22151	Screw, stator mounting 10-24x3/4 (4)
	(Before Serial No. 1728100015)		
	X-67-51	32609	Screw, stator mounting 10-24x3/4 (4)
	(After Serial No. 1728100005)		
8	41 155 03	42352	Connector, male (2 contact)
9	X-132-5	40747	Screw, 1/4-20x5/8 (2)
10	25 755 03	32492	Kit, rectifier-regulator
11	236602	32489	Connector, female (3 contact)
12	235041-S	10842	Spark plug RH-10
13	210281	42426	Clip, hi-tension lead
NOT ILLUSTRATED			
	47 518 36	42427	Lead, violet, rectifier - regulator to connector (23" - 14 ga. - uninsulated push on tab terminals)
	47 518 37	48748	Lead, white w/diode, module to connector (15"-18 ga. - insulated push on tab -uninsulated push on tab terminals) (After Serial No. 1715900003)
	47 518 43	42354	Lead, white, w/diode (Service replacement lead for leads w/diodes)(5" - 18 gauge - insulated push on tab - insulink terminals) (Before Serial No. 1715900013)

OIL PAN - GROUP 21



ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
1	235057	12148	Gasket, oil pan
2	X-75-6	22155	Plug, sq. hd. solid 3/4 N.P.T.F.
3	235115	12147	Pan, oil
4	X-159-3	180124	Screw, H.C. sems 3/8-16x1-1/4 (4)

PISTON AND ROD - GROUP 22



PISTON AND ROD - GROUP 22

ITEM NO.	KOHLER PART NO.	GRAVELY PART NO.	DESCRIPTION
Before Serial No. 1730100013 use the following:			
1	235889	12363	Ring set (Std. & .003)
	235890	12364	Ring set (.010)
	235891	12365	Ring set (.020)
	235892	12366	Ring set (.030)
After Serial No. 1730100003 use the following:			
	47 108 01	48758	Ring set (Std. & .003)
	47 108 02	48759	Ring set (.010)
	47 108 03	48760	Ring set (.020)
	47 108 04	48761	Ring set (.030)
Before Serial No. 1730100013 use the following:			
2	47 874 06	40995	Piston w/Ring Set (Std.)
	47 874 07	40996	Piston w/Ring Set (.003)
	47 874 08	40997	Piston w/Ring Set (.010)
	47 874 09	40998	Piston w/Ring Set (.020)
	47 874 10	40999	Piston w/Ring Set (.030)
After Serial No. 1730100003 use the following:			
	47 874 16	48762	Piston w/Ring Set (Std.)
	47 874 17	48763	Piston w/Ring Set (.003)
	47 874 18	48764	Piston w/Ring Set (.010)
	47 874 19	48765	Piston w/Ring Set (.020)
	47 874 20	48766	Piston w/Ring Set (.030)
3	47 018 01	10856	Retainer, piston pin (2)
Before Serial No. 1729900013 use the following:			
4	47 067 09	40813	Connecting rod (Std.)
	47 067 10	40814	Connecting rod (.010)
After Serial No. 1729900003 use the following:			
	47 067 24	48767	Connecting rod (Std.)
	47 067 25	49868	Connecting rod (.010)
	47 782 80	48769	Miniblock
	47 522 97	48770	Short Block
	47 755 27	42442	Gasket Set w/seals
	47 004 02	42443	Gasket Set w/o seals