

12D11 Applications

This Parts Book Covers the Following Motors Manufactured by Gale Products

Montgomery Ward "Sea King"

GG-9016A	1954-55	12D11
----------	---------	-------

Goodyear "Sea Bee"

25-3572	1954-55	12D11
---------	---------	-------

Gamble – Skogmo "Hiawatha"

450MI-25-7982	1954	12D11
550MI-25-7982A	1955	12D11

Gale Products "Buccaneer"

12D11B	1954-55	12D11
--------	---------	-------

Goodrich "Sea Flyer"

None

Spiegel "Brooklure"

230-53-12D	1954	12D11
------------	------	-------

Atlas "Royal"

12D11A	1954-55	12D11
--------	---------	-------

Fedway "Saber"

None

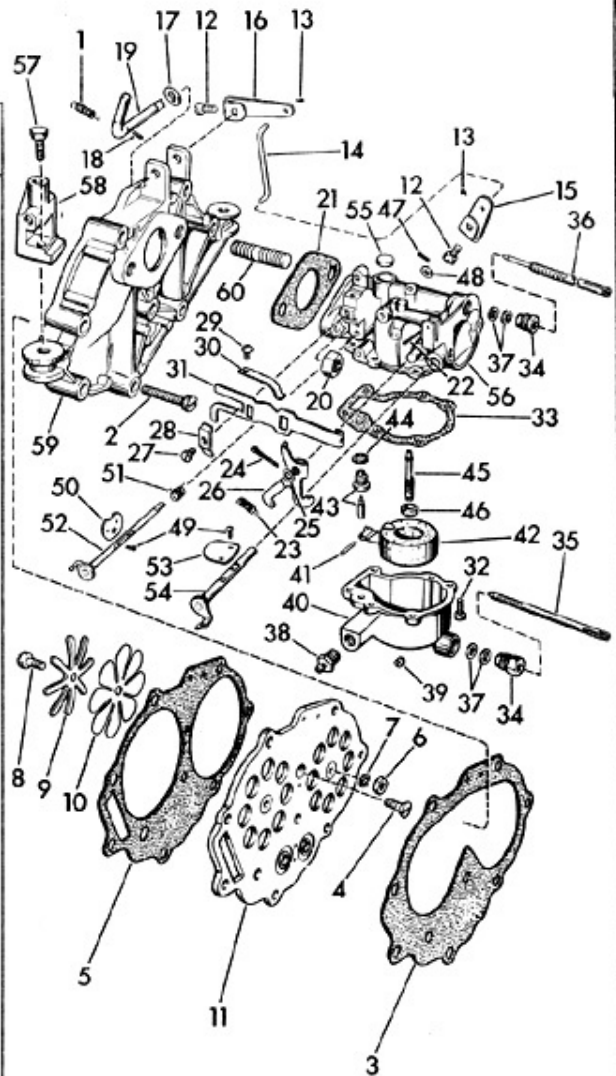
AMC "Saber"

12D11M	1955	12D11
--------	------	-------

GALE SERIES 12D11 MOTORS

**CARBURETOR
Parts List**

Ref. No.	Part No.	Description
1	203276	Spring - Cam Follower
2	130618	Screw - Manifold to Crankcase .
3	552182	Gasket - Leaf Plate to Manifold
4	302104	Screw - Leaf Plate to Crankcase
5	552180	Gasket - Leaf Plate to Crankcase
	591360	Leaf Plate Assy
6	85-64	Nut - Leaf to Leaf Plate Screw
7	71-1487	Washer - Lock
8	301858	Screw - Leaf Attaching
9	203234	Stop - Leaf
10	203246	Leaf - Carburetor
11	203267	Plate - Leaf
12	302346	Screw - Throttle Shaft and Cam Follower Arms
13	41-110	Pin - Retaining
14	552196	Link - Throttle Shaft Arm to Cam Follower Arm
15	303491	Arm - Throttle Shaft
16	303540	Arm - Cam Follower
17	303048	Washer - Cam Follower
18	41-163	Pin - Cotter
19	203274	Follower - Throttle Cam
20	7-46	Nut - Carburetor
21	203237	Gasket - Manifold to Carburetor
	376118	Carburetor Assy
22	21-163	Pin - Cotter, Choke Control Rod
23	303629	Spring - Bell Crank Choke Lever
24	41-163	Pin - Cotter, Bell Crank
25	85-54	Washer - Bell Crank
26	303144	Crank - Choke Bell
27	131249	Screw - Choke Rod Bracket
28	303117	Bracket - Choke Rod
29	302430	Screw - Spring to Carburetor Body
30	303132	Spring - Choke Control Rod
31	303143	Rod - Choke Control
32	300181	Screw - Float Chamber to Carburetor Body
33	302994	Gasket - Float Chamber to Carburetor Body
34	300179	Nut - High and Low Speed Valves
35	303159	Valve - Needle, High Speed
36	303158	Valve - Needle, Low Speed
37	43-123	Packing - High and Low Speed Valves
38	303492	Nipple - Float Chamber
39	303041	Screw - Float Drain
40	303493	Chamber - Float
41	300096	Pin - Hinge, Float Arm
42	375919	Float and Float Arm
43	376137	Float Valve and Seat Assy
44	303494	Washer - Float Valve Seat
45	303496	Nozzle - High Speed
46	302984	Gasket - Float Chamber to Carburetor Body Boss
47	303049	Pin - Cotter, Throttle Shaft
48	303048	Washer - Throttle Shaft

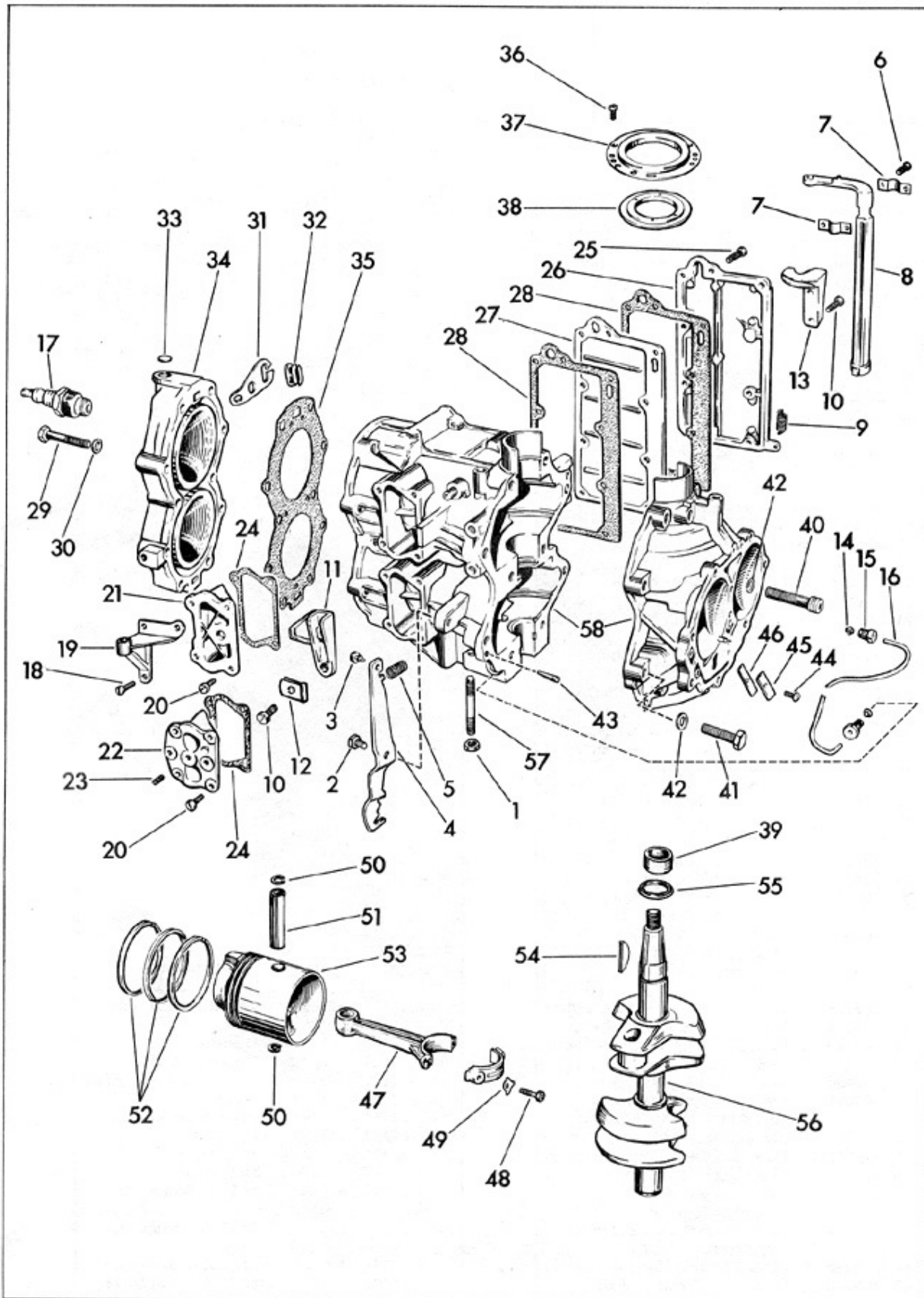


Ref. No.	Part No.	Description
49	302667	Screw - Throttle and Choke Valves
50	303495	Valve - Throttle
51	303119	Spring - Throttle Shaft
52	376133	Throttle Shaft and Lever Assy
53	303126	Valve - Choke
54	375993	Choke Shaft and Lever Assy
55	202310	Plug - Expansion
56	591334	Carburetor Body and Bell Crank Shaft Assy
57	51-135	Screw - Gas Tank Support to Manifold
58	552200	Bracket - Gas Tank Support, Front
59	277226	Manifold and Stud Assy
60	302822	Stud - Manifold to Carburetor

POWER HEAD

Parts List

GALE SERIES 12D11 MOTORS



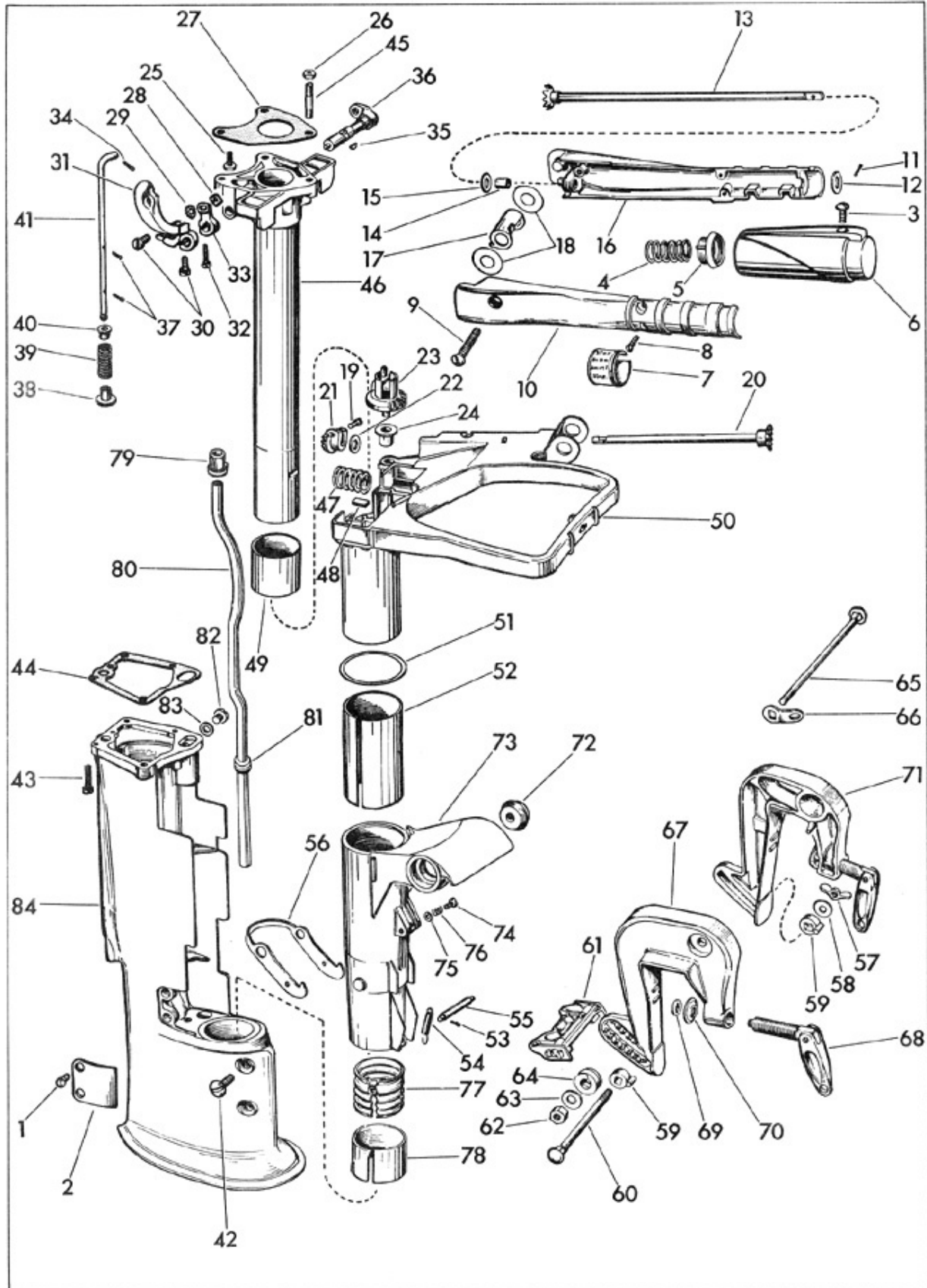
GALE SERIES 12D11 MOTORS

**POWER HEAD
Parts List**

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	7-46	Nut - Flange to Cylinder Stud . .	30	15-212	Washer - Cylinder Head Screw .
2	302592	Screw - Shift Lock to Cylinder .	31	300455	Anchor - Ignition Lead
3	203453	Bumper - Shift Lock	32	300454	Grommet - Ignition Lead
4	203245	Lock - Shift	33	202310	Plug - Expansion, 1/2 in.
5	302587	Spring - Shift Lock	34	591217	Cylinder Head and Core Plug Assy
6	43-156	Screw - Control Lever Bearing Clamp	35	552181	Gasket - Cylinder Head
7	303109	Clamp - Control Lever Bearing	36	41-223	Screw - Armature Plate Support
8	303145	Lever - Armature Plate Control	37	303278	Support - Armature Plate
9	302827	Spring - High Tension Lead . .	38	303277	Ring - Armature Plate Retaining
10	51-47	Screw - Bracket	39	510168	Cam - Magneto
11	552222	Bracket - Shift Lock Guide . . .	40	203249	Screw - Center, Crankcase to Cylinder
12	203285	Clip - Oil Line	41	25-242	Screw - Cylinder to Crankcase .
13	552189	Bracket - Control Lever	42	15-212	Washer - Crankcase to Cylinder Screw
14	11-61	Gland - Oil Line	43	300402	Pin - Taper
15	41-105	Nut - Oil Line	44	302227	Screw - Oil Drain Leaf Valve . .
16	203288	Tubing - Oil Line	45	203248	Plate - Leaf Valve Oil Drain . .
17	200322	Spark Plug Assy	46	203235	Valve - Leaf, Crankcase Oil Drain
18	43-110	Screw - Rear Bracket	47	591333	Connecting Rod and Lockplate Assy
19	552202	Bracket - Gas Tank Support, Rear	48	552183	Screw - Connecting Rod
20	43-259	Screw - Bypass Cover	49	552185	Lockplate - Connecting Rod . .
21	203253	Cover - Bypass, Upper	50	120011	Ring - Spring, Piston Pin
22	552213	Cover - Bypass, Lower	51	552171	Pin - Piston
23	303125	Screw - Lower Bypass Cover Plug	52	552172	Ring - Piston
24	203259	Gasket - Bypass Cover to Cylinder	53	591216	Piston and Dowel Pin Assy . . .
25	43-110	Screw - Exhaust Cover	54	120395	Key - Crankshaft
26	552188	Cover - Exhaust	55	552173	Slinger - Oil
27	203258	Plate - Baffle, Exhaust Cover .	56	552176	Crankshaft
28	203257	Gasket - Baffle Plate to Cylinder and Exhaust Cover	57	7-143	Stud - Flange to Cylinder Long .
29	21-486	Screw - Cylinder Head	58	591255	Cylinder and Crankcase Assy . .

MANIFOLD & BRACKET Parts List

GALE SERIES 12D11 MOTORS



MANIFOLD & BRACKET Parts List

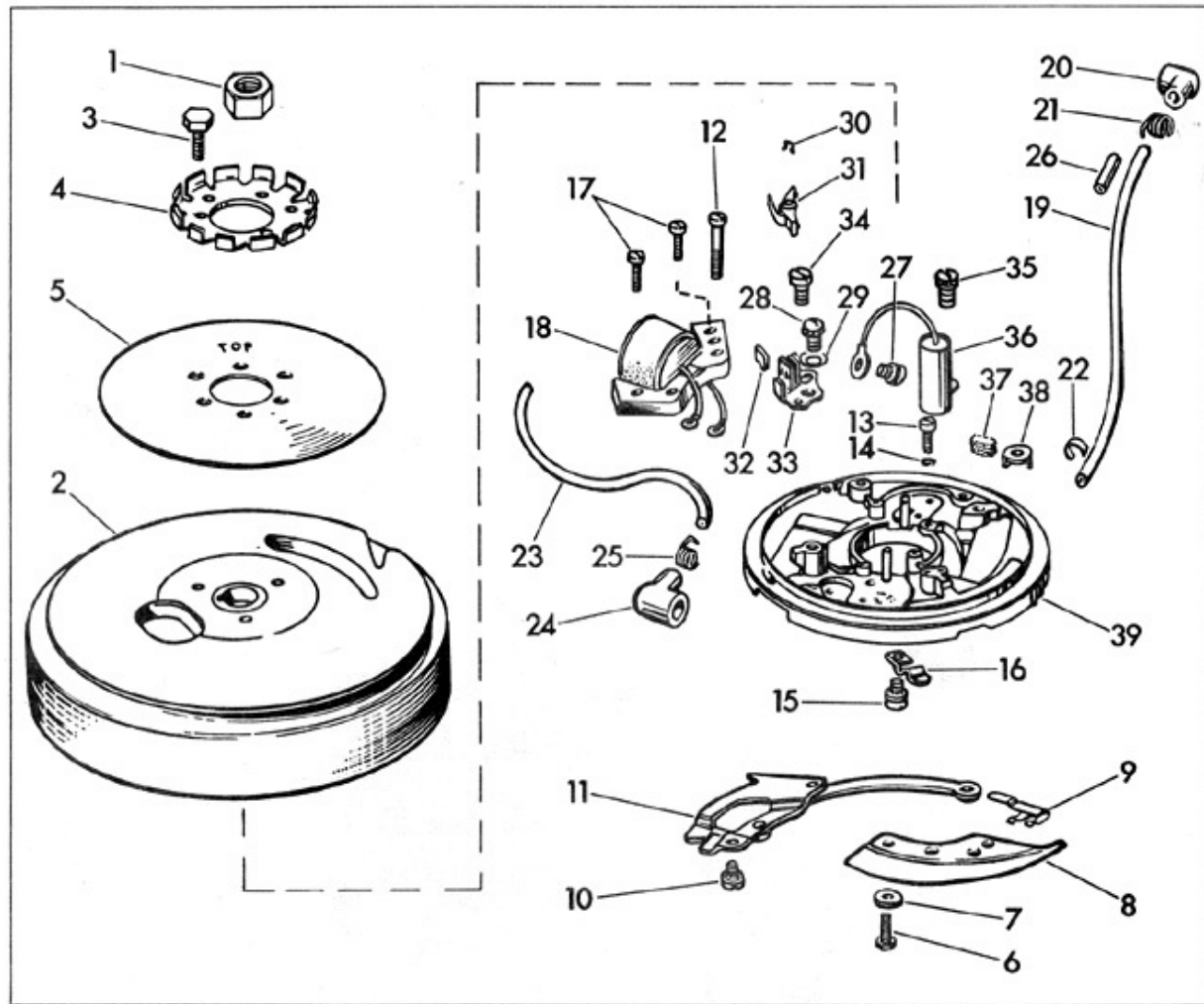
GALE SERIES 12D11 MOTORS

Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	303679	Screw - Exhaust Housing Cover Plate	43	25-238	Screw - Powerhead Exhaust Housing
2	303135	Plate - Cover, Exhaust Housing	44	303138	Gasket - Exhaust Tube
3	302710	Screw - Twist Grip	45	15-149	Stud - Flange to Powerhead, Short
4	301656	Spring - Twist Grip	46	375964	Flange and Drive Shaft Casing Assy
5	303282	Block - Grip Friction	47	303077	Spring - Mounting, Powerhead to Lower Unit
6	552209	Grip - Steering Handle	48	303076	Pad - Motor Mount
7	203260	Plate - Throttle Control	49	303075	Lining - Steering Bracket
8	133452	Screw - Steering Handle Halves	50	375968	Steering Bracket and Bushing .
9	303078	Screw - Steering Handle Halves	51	301892	Washer - Thrust, Swivel Bracket
10	303093	Handle - Steering, Inner Half .	52	301893	Lining - Swivel Bracket
11	300346	Pin - Groove, Gear and Shaft Assy	53	301974	Pin - Cotter
12	303252	Washer - Steering Handle to Spring	54	301898	Spring - Reverse Lock
13	375977	Throttle Control Gear and Shaft Assy, Long	55	301895	Rod - Reverse Lock
14	302717	Bushing - Steering Handle	56	302518	Lever - Reverse Locking
15	302712	Washer - Steering Handle	57	41-59	Nut - Wing, Thrust Socket Bolt
16	303094	Handle - Steering, Outer Half	58	37-154	Washer - Thrust Socket Bolt . .
17	303096	Cover - Steering Handle Gears	59	301897	Plate - Lock, Stern Bracket . . .
18	303079	Washer - Steering Handle to Bracket	60	303232	Bolt - Thrust Socket
19	71-1352	Screw - Pinion	61	302519	Socket - Thrust
20	375979	Throttle Control Gear and Shaft Assy, Short	62	17-182	Nut - Tilting Shaft Bolt
21	303142	Pinion - Throttle Control	63	25-196	Washer - Tilting Shaft
22	303107	Washer - Throttle Control Pinion Gear	64	302051	Spring - Tilting Shaft
23	303141	Gear - Throttle Control	65	301984	Bolt - Tilting Shaft
24	303140	Bushing - Throttle Control	66	300364	Link - Safety Chain
25	7-116	Screw - Flange to Cylinder, Short	67	375614	Stern Bracket and Clamp Screw Assy, Starboard
26	7-46	Nut - Flange to Powerhead	68	375742	. . . Clamp Screw Assy
27	302232	Gasket - Flange to Powerhead	69	302420	. . . Retainer - Swivel Plate . . .
28	303189	Nut - Shift Handle Adjusting Screw	70	41-48	. . . Plate - Swivel, Clamp Screw
29	51-137	Washer - Lock	71	375613	Stern Bracket and Clamp Screw Assy, Port (Includes Items 68, 69, 70)
30	51-47	Screw - Gear Shift Handle Adjusting and Clamp	72	301983	Washer - Conical, Tilting Shaft
31	277223	Gear Shift Handle and Pin Assy	73	375635	Swivel Bracket and Screw Assy
32	43-110	Screw - Shift Handle Adjusting Lever Clamp	74	21-124	. . . Screw - Swivel Bracket
33	203268	Lever - Shift Handle Adjusting	75	43-302	. . . Washer - Swivel Bracket
34	15-268	Pin - Cotter	76	303562	Spring - Swivel Bracket
35	25-271	Key - Adjusting Lever to Shaft	77	301899	Bushing - Rubber, Drive Shaft Casing
36	375976	Shaft and Lever Assy	78	301900	Spacer - Rubber Bushing
37	15-268	Pin - Cotter	79	302497	Grommet - Water Tube, Upper
38	301915	Sleeve - Reverse Lock	80	303097	Tube - Water
39	301914	Spring - Shift Rod	81	302498	Grommet - Water Tube, Center
40	301913	Sleeve - Shift Rod	82	27-283	Plug - Water Flush
41	303101	Rod - Shift, Upper	83	27-284	Washer - Water Flush Plug . . .
42	303136	Screw - Exhaust Housing Clamp	84	591258	Exhaust Housing and Screw Assy (Includes Item 42)

MAGNETO

Parts List

GALE SERIES 12D11 MOTORS

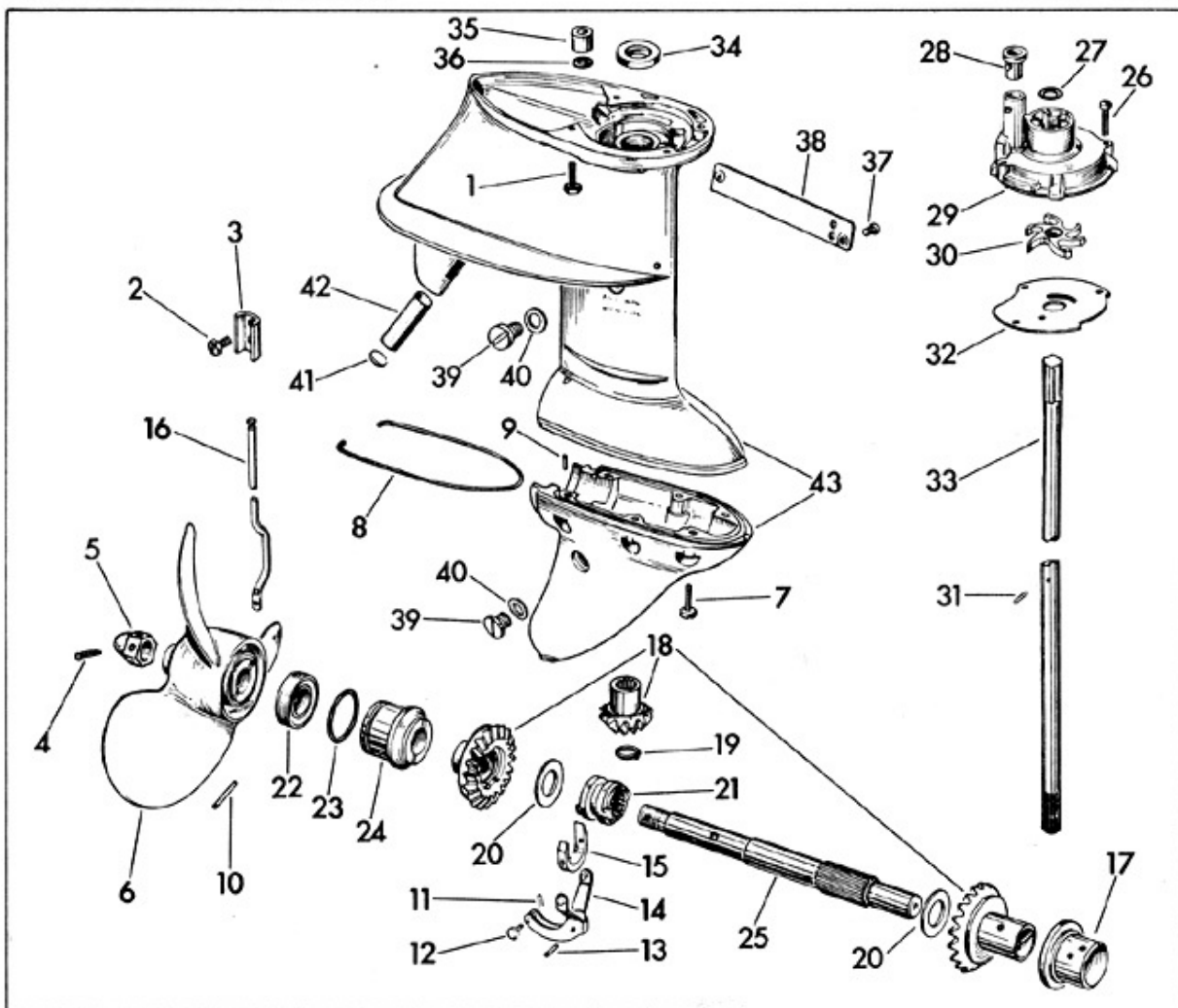


Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	301988	Nut - Flywheel	20	510232	. . . Cover - Rubber, Spark Plug
2	580170	Flywheel and Ratchet Assy . .	21	510231	. . . Terminal - Spring, Lead . .
3	302468	. . Screw - Starter Ratchet . . .	22	120783	. . . Marker
4	202111	. . Ratchet - Starter	23	591337	. . . High Tension Lead Assy, Lower
5	303249	Cover - Inspection Hole	24	510232	. . . Cover - Rubber, Spark Plug
6	302750	Screw - Throttle Cam	25	510231	. . . Terminal - Spring, Lead . .
7	300154	Washer - Throttle Cam Screw . .	26	510233	. . . Sleeve - Insulating
8	203277	Cam - Throttle Control	27	510194	. . . Screw - Breaker Terminal . .
9	303146	Clip - Spring, Armature Plate Link	28	130255	. . . Screw - Breaker Mounting . .
10	510193	Screw - Shifter Lock Stop	29	510208	. . . Washer - Bow
11	375995	Link and Stop Assy		580148	. . . Breaker Assy
	580153	Armature Plate Assy	30	71-1052	. . . Clip - Spring
12	510191	. . Screw - Armature Plate Mounting	31	580123	. . . Rocker Arm Assy
13	510192	. . Screw - Armature Plate Mounting	32	510204	. . . Clip - Spring, Breaker
14	3-28	. . Washer - Lock	33	580122	. . . Breaker Base Assy
15	510193	. . Screw - High Tension Lead Mounting	34	510185	. . . Screw - Breaker Eccentric . .
16	510218	. . Clamp - High Tension Lead . . .	35	510193	. . . Screw - Condenser Mounting .
17	510195	. . Screw - Lamination Mounting . .	36	510173	. . . Condenser
18	580118	. . Coil and Lamination Assy . . .	37	510189	. . . Wick - Oiler
19	591336	. . High Tension Lead Assy, Upper	38	510188	. . . Clip - Oiler
			39	580168	. . . Armature Plate and Post Assy

LOWER UNIT GEAR CASE

GALE SERIES I2D11 MOTORS

Parts List

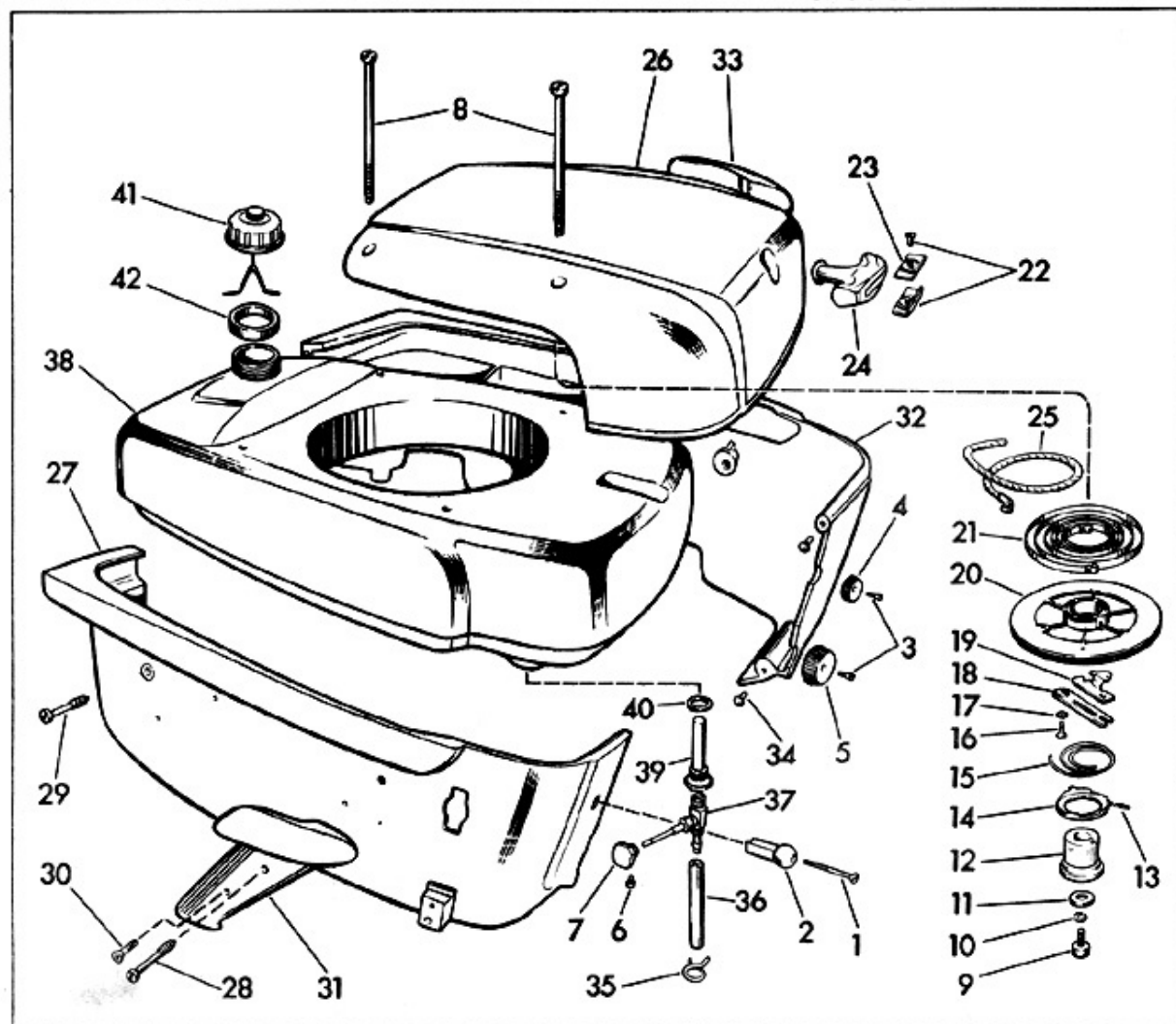


Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	302510	Screw - Upper Gear Hsg. to Exhaust Hsg.	24	375751	Gear Hsg. Head and Brg. Assy
2	303147	Screw - Shift Rod Connector	25	302483	Shaft - Propeller
3	303148	Connector - Shift Rod	26	302508	Screw - Impeller Hsg. to Upper Gear Hsg.
4	302381	Pin - Cotter	27	303067	"O" Ring - Drive Shaft to Crankshaft
5	132477	Nut - Propeller	28	302497	Grommet - Water Tube, Lower
6	277212	Propeller and Bushing	29	303070	Housing - Impeller
7	33-76	Screw - Gear Housing	30	375638	Impeller - Water Pump
8	302513	Seal - Upper to Lower Gear Case	31	300771	Pin - Pump Impeller
9	300611	Dowel - Front and Rear Bearing	32	303069	Plate - Impeller Housing
10	301923	Pin - Shear, Propeller	33	303481	Shaft - Drive
11	301912	Pin - Cotter	34	41-62	Seal - Drive Shaft
12	302504	Pin - Yoke to Shift Rod	35	301878	Bushing - Shift Rod, Lower
13	302501	Pin - Shift Lever Pivot	36	301877	"O" Ring - Lower Shift Rod Seal
14	375755	Shift Lever and Pin Assy	37	302509	Screw - Water Bypass Cover
15	302500	Cradle	38	302505	Cover - Water Bypass
16	303098	Rod - Shift, Lower	39	27-283	Plug - Oil
17	302496	Bearing - Front	40	27-284	Washer - Oil Plug
18	375844	Set of Gears	41	300314	Plug - Water Intake Screen
19	301883	Ring - Pinion Retaining	42	302757	Screen - Water Intake
20	301884	Washer - Thrust, Prop. Shaft	43	375784	Housing - Gear, Upper and Lower
21	375711	Clutch Dog Shifter Assy			
22	302495	Seal - Propeller Shaft			
23	302493	"O" Ring - Gear Case Head			

TRIM GROUP

Parts List

GALE SERIES 12D11 MOTORS



Ref. No.	Part No.	Description	Ref. No.	Part No.	Description
1	552203	Screw - Choke Knob	22	591214	Clamp and Screw - Rope . . .
2	552204	Knob - Choke Control	23	551205	Clamp - Rope, Countersunk . .
3	551517	Screw - Carburetor Knob	24	551226	Handle - Starter
4	591279	Slow Speed Control Knob Assy	25	42-137	Starter Rope and Anchor Assy
5	591280	High Speed Control Knob Assy	*26	591261	Starter Housing and Pin Assy
6	53-196	Screw - Knob to Shut-Off Valve	*27	591340	Shroud Assy - Starboard (See page 43)
7	202912	Knob - Shut-Off Valve	28	552224	Screw - Shroud to Gas Tank Support (See page 43)
8	552194	Screw - Starter Housing and Gas Tank Support	29	552197	Screw - Shroud to Cyl. Head (See page 43)
*9	591335	Starter Assy, Complete	30	552223	Screw - Applique to Shroud
9	17-180	Screw - Spindle to Starter Hsg	31	552247	Applique - Starboard (See page 43)
10	13-51	Washer - Lock	*32	591339	Shoud Assy - Port (Also Includes items 28, 29, 30, 33) (See page 43)
11	202356	Washer - Starter Spindle	33	552246	Applique - Port (See page 43)
12	276643	Starter Spindle and Pin Assy	34	203290	Bumper - Shroud
13	202155	Spring - Equalizer	35	552199	Clamp - Hose
14	202114	Cup - Equalizer	36	552201	Hose - Filter to Carburetor
15	302222	Spring - Friction	37	591262	Shut-Off Valve Assy
16	302104	Screw - Starter Pawl Retainer	*38	591332	Fuel Tank Assy
17	71-1026	Washer - Lock	39	590919	Filter - Fuel
18	202317	Retainer - Starter Pawl	40	171318	Gasket - Filter
19	202470	Pawl - Starter	41	590774	Filler Cap Assy
20	590646	Starter Pulley Assy	42	551463	Gasket - Filler Cap
21	41-197	Starter Spring Assy			

*IMPORTANT: Color of old parts must be specified when ordering new parts.

PART NUMBER VARIATIONS IN CUSTOMER'S MODELS

GALE SERIES 12D11 MOTORS

Page	Reference No.	Part No.	Page	Reference No.	Part No.
Model: GG-9016A			Model: 230-53-12D		
42	27	591346	42	27	591344
42	28	552198	42	28	552224
42	29	552226	42	29	552197
42	31	552219	42	31	552247
42	32	591345	42	32	591343
42	33	552218	42	33	552246
Model: 25-3572			Model: 12D11A		
42	27	591348	42	27	591353
42	28	552224	42	28	552224
42	29	552197	42	29	552197
42	31	552221	42	31	552247
42	32	591347	42	32	591352
42	33	552220	42	33	552246
Model: 450MI-25-7982 550MI-25-7982A			Model: 12D11M		
42	27	591350	42	27	591340
42	28	552224	42	28	552224
42	29	552197	42	29	552197
42	31	552247	42	31	552247
42	32	591349	42	32	591339
42	33	552246	42	33	552246
Model: 12D11B					
42	27	591342			
42	28	552224			
42	29	552197			
42	31	552217			
42	32	591341			
42	33	552216			