



GEMINI

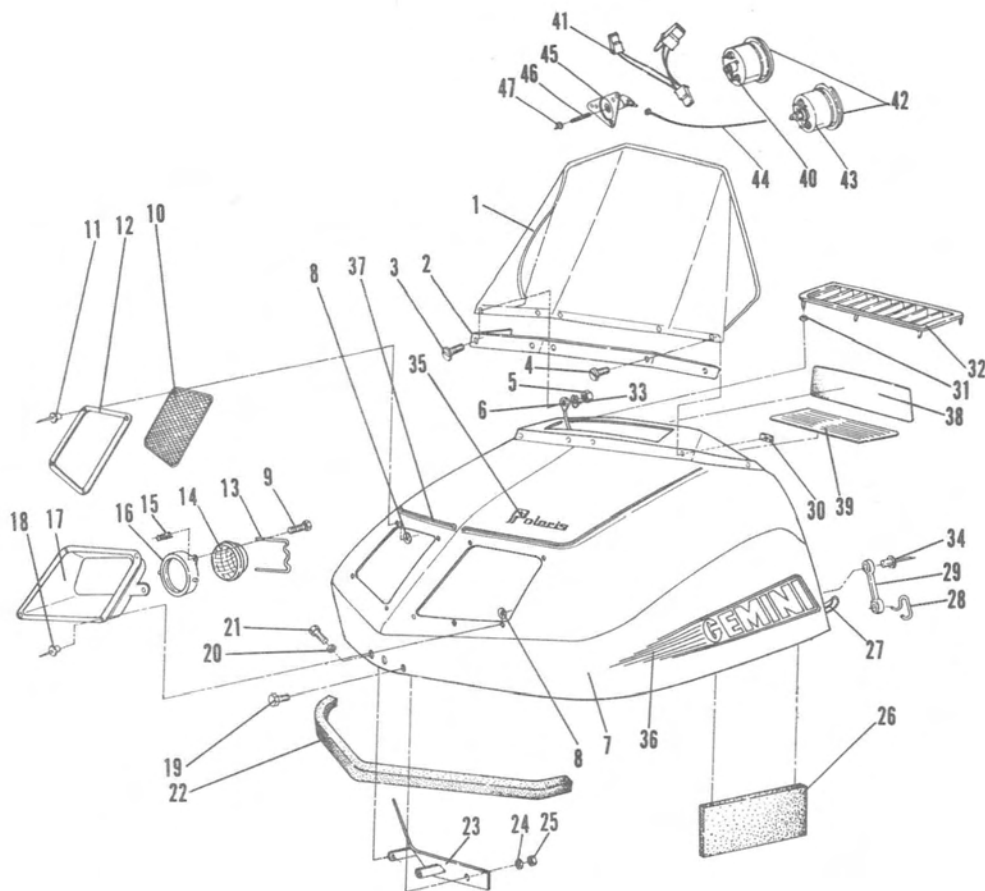
Model No. 0831225

1983

PARTS MANUAL

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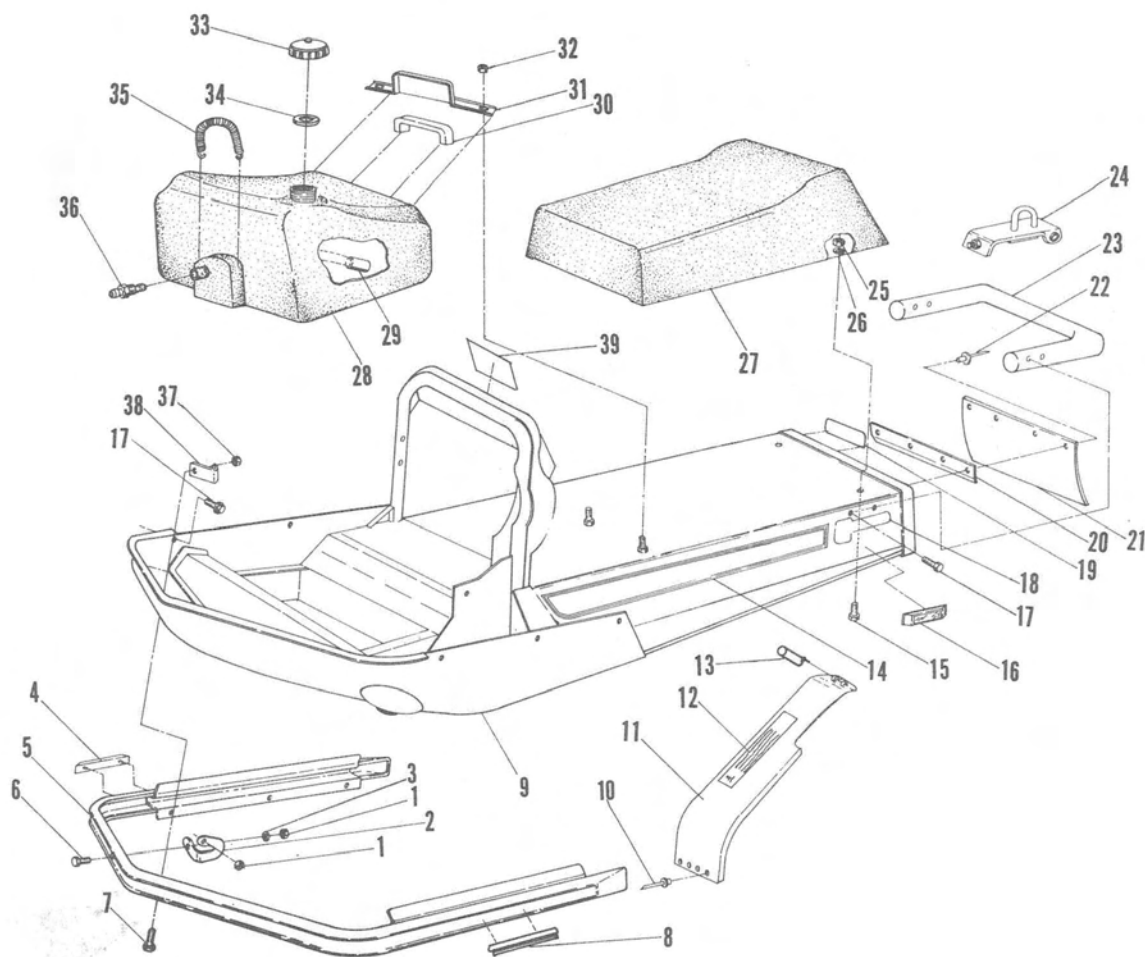


Hood Assembly

Ref. No.	Part No.	Qty.	Description
1	5430564	1	Windshield
2	5850043	1	Windshield Band
3	7511845	1	Screw
4	7511839	5	Screw
5	7541915	1	Nut
6	7080205	1	Hood Retainer Cable
7	5440160	1	Hood
8	7555709	10	Rivet Burr
9	7511977	1	Screw
10	5220161	1	Grill Mesh
11	7621220	5	Rivet
12	5430560	1	Intake Grill
13	5221662	1	Headlight - Retainer
14	4030025	1	Headlight
15	7041059	1	Spring
16	5430548	1	Headlight Ring
17	5430561	1	Headlight Grill
18	7621221	5	Rivet
19	7512216	2	Screw
20	5332403	2	Hinge Spacer
21	7512250	2	Bolt
22	5420147	2	Hood Seal
23	5220105	1	Upper Hinge Bracket
24	7552801	2	Washer
25	7542105	2	Nut
26	5810069	2	Hood Mat

Ref. No.	Part No.	Qty.	Description
27	5521080	1	Edge Trim
28	5220165	2	Hook - Hood Latch
29	5430626	2	Strap, Rubber - Hood Latch
30	7670026	5	Speed Nut
31	7670009	8	Fastener
32	5430486	1	Hood Louver
33	7558205	1	Washer - Flat
34	7621601	2	Rivet - Cherry Mate
35	7071766	1	Decal - Polaris R.H.
36	7071772	1	Decal - L.H. Gemini Hood
	7071773	1	Decal - R.H. Gemini Hood
	7071774	1	Decal - Top Deck L.H.
	7071813	1	Decal - Top Deck R.H.
38	7071790	1	Decal - Instrument Panel
39	7071791	1	Decal - Warning
*	2870432	1	Tachometer Kit (Incl. 40-42)
40	3280042	1	Tachometer Head
41	2460191	1	Adapter Harness
42	2200173	1	Replacement - Glass & Bezel
*	2870430	1	Speedometer Kit (Incl. 43-47)
43	3280032	1	Speedometer Head
44	3280034	1	Speedometer Cable
45	3280020	1	Angle Drive
46	3280017	1	Square Key
47	3280019	1	Bushing

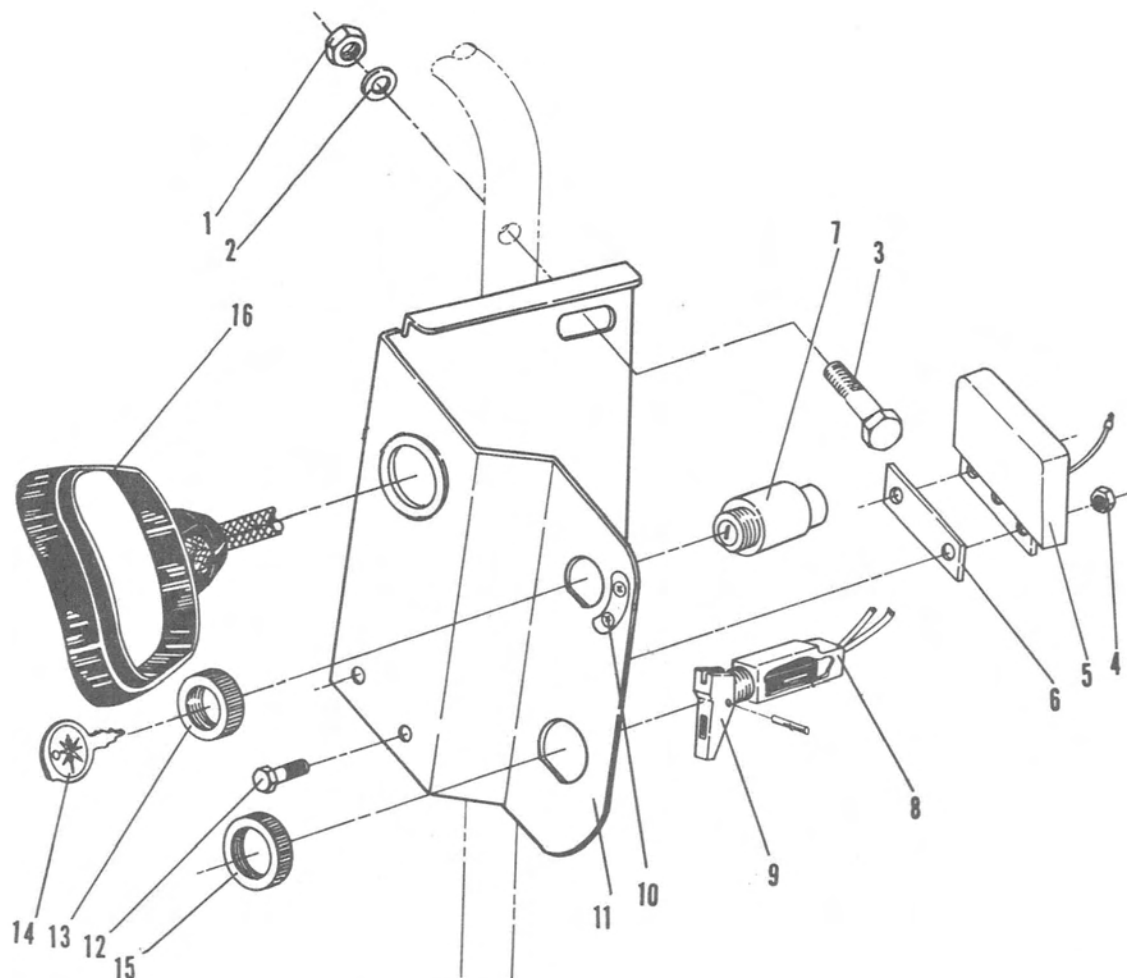
* Optional Items



Body and Trim

Ref. No.	Part No.	Qty.	Description
1	7542118	4	Lock Nut
2	5220103	1	Left Hinge Bracket
	5220104	1	Right Hinge Bracket
3	7558301	2	Washer
4	2670071	2	Amber Reflector
5	2670078	1	Front Bumper
6	7512236	2	Screw
7	7512301	1	Bolt
8	7071833	AR	Decal - Bumper Stripe
9	1011480	1	Chassis Weldment
10	7621215	4	Rivet
11	5220050	1	Clutch Guard
12	7071759	1	Decal - Engine & Clutch
13	7080216	1	Clutch Guard Pin
14	7071747	1	Decal - Tunnel L.H.
	7071748	1	Decal - Tunnel R.H.
15	7512103	2	Bolt
16	2670070	2	Red Reflector
17	7512252	10	Screw
18	7071766	2	Decal - Polaris R.H.

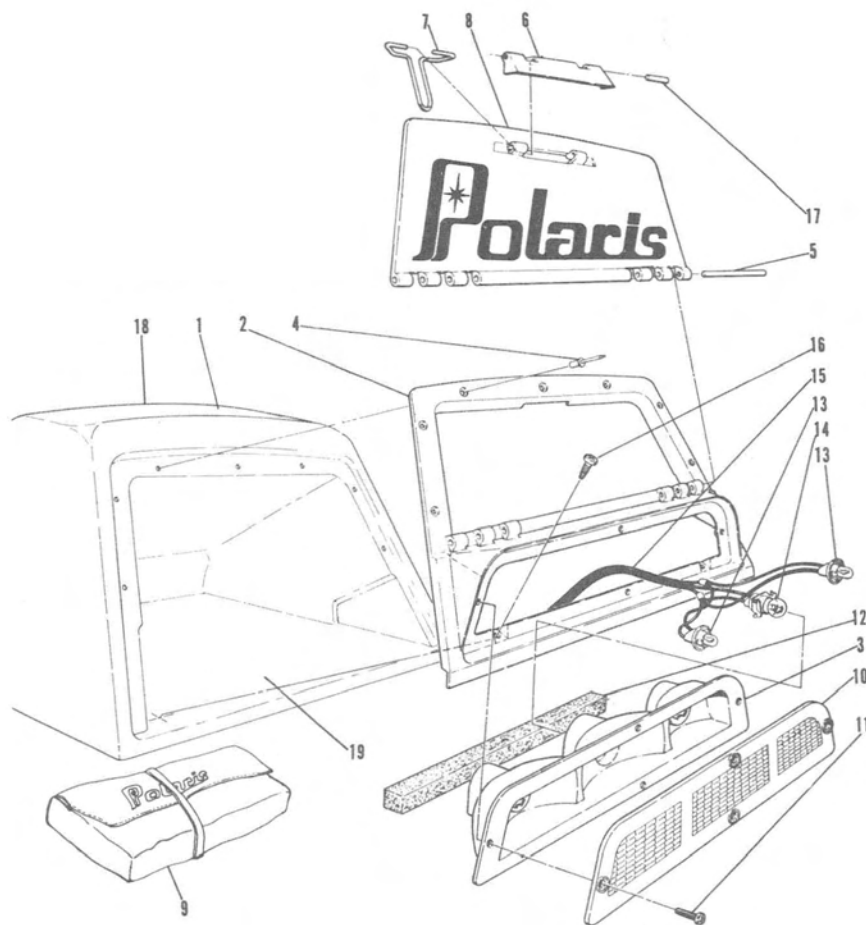
Ref. No.	Part No.	Qty.	Description
19	7071756	1	Decal - Track Warning
20	5223695	1	Snow Flap Backing
21	5810056	1	Snow Flap
22	7621418	4	Rivet
23	5224204	1	Rear Bumper
24	2870444	1	Tow Hitch - Optional
25	7542101	5	Nut
26	7558221	2	Washer
27	2681141	1	Seat Cushion
28	2511127	1	Gas Tank Asm.
29	5020246	1	Gas Line Weight
30	5420126	1	Tank Hold-down Cushion
31	5221722	1	Gas Tank Strap
32	7542101	5	Nut
33	2511102	1	Gas Cap
34	5810142	1	Gas Cap Gasket
35	7042020	1	Tank Spring
36	7052023	1	Outlet Fitting
37	7542321	1	Lock Nut
38	4020035	1	Wiring Clip
39	7071977	1	Decal



Ignition Assembly

Ref. No.	Part No.	Qty.	Description
1	7542103	2	Nut
2	7558302	2	Washer
3	7512239	2	Bolt
4	7541904	2	Nut
5	4060071	1	Regulator
6	5210650	1	Heat Sink
7	4110038	1	Ignition Switch
8	7080206	1	Choke Control
9	2200188	1	Lever Kit

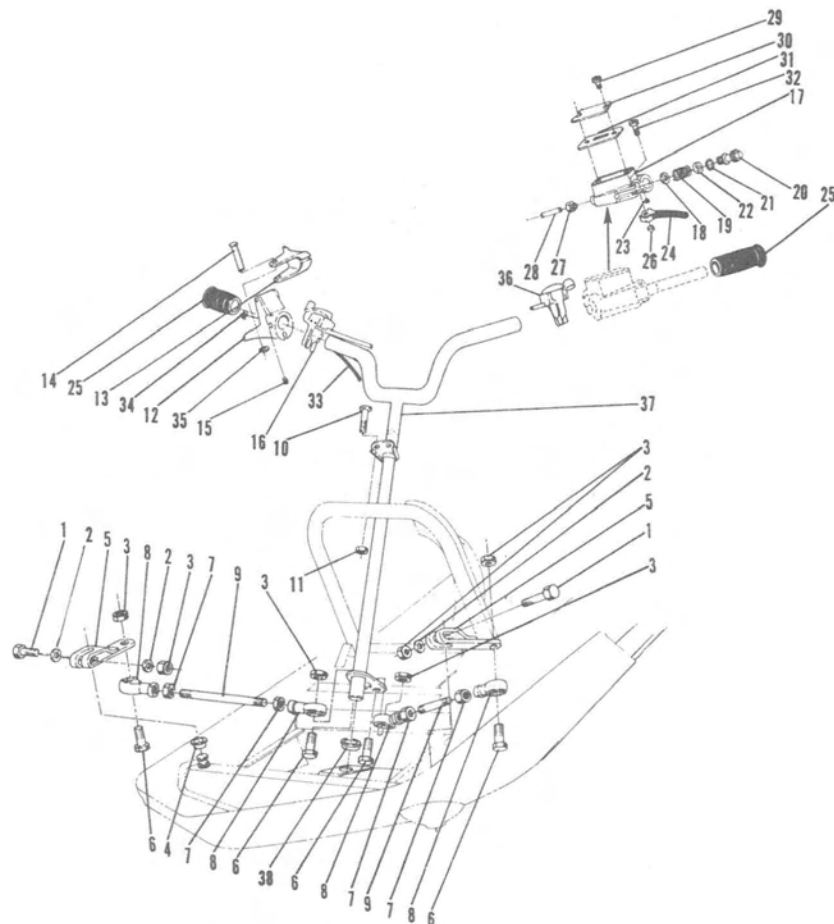
Ref. No.	Part No.	Qty.	Description
10	7071795	1	Decal - Console
11	5220106	1	Recoil and Ignition Bracket
12	7511954	2	Screw
13	7542807	1	Ignition Nut
14	4110012	2	Ignition Key
15	7080223	1	Choke Nut
16	5430520	1	Recoil Handle



Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	2681141	1	Seat Cushion
2	5430426	1	Door Frame
3	5430425	1	Taillight Housing
4	7621223	7	Rivet
5	7010026	2	Hinge Pin
6	5430368	1	Compartment Latch
7	7040144	1	Latch Spring
8	5430628	1	Compartment Door
9	3083227	1	Tool Kit
10	5430423	1	Taillight Lens

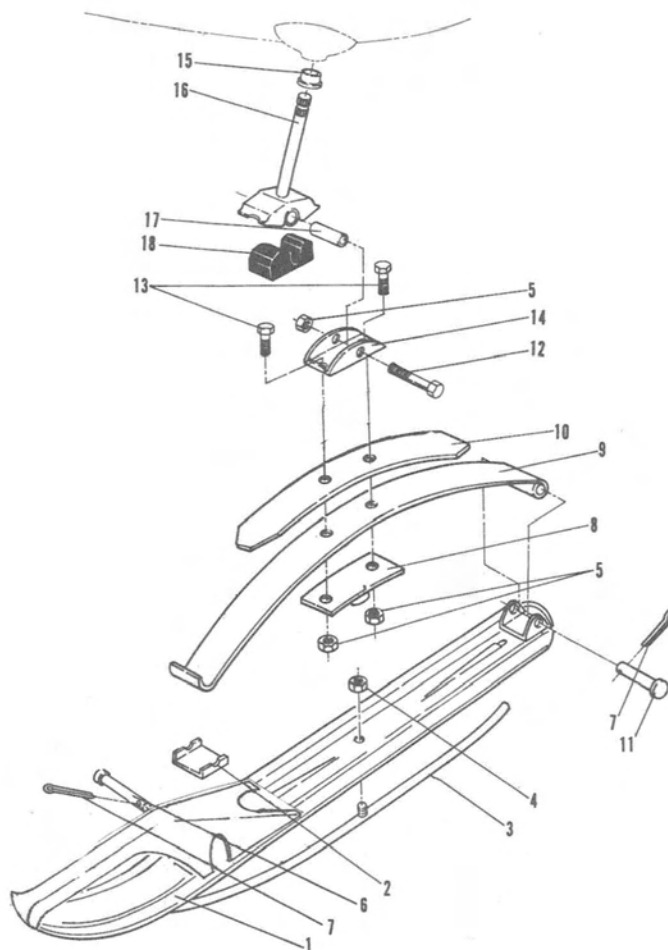
Ref. No.	Part No.	Qty.	Description
11	7511840	4	Screw
12	5420141	1	Shield
13	4030015	2	Taillight Bulb
14	4030019	1	Brakelight Bulb
15	2460190	1	Taillight Harness (Incl. 13 & 14)
16	7522008	2	Screw
17	7010030	2	Latch Pin
18	2681140	1	Seat Covering
19	5430365	1	Tool Compartment



Steering Assembly

Ref. No.	Part No.	Qty.	Description
1	7515433	2	Bolt
2	7555720	4	Washer
3	7542439	6	Nut
4	3573904	2	Bushing
5	5221701	2	Steering Arm
6	7512410	4	Bolt
7	7542401	4	Nut
8	7060112	4	Rod End Bearing
9	5020247	2	Tie Rod
10	7512239	2	Bolt
11	7542103	6	Nut
12	2010034	1	Throttle Control Asm.
13	5430556	1	Throttle Lever
14	7661614	1	Retaining Pin
15	7512465	1	Set Screw
16	4110039	1	Auxiliary Shut-Off Switch
17	5630125	1	Master Cylinder Housing
18	7555708	1	Washer
19	7041067	1	Compression Spring

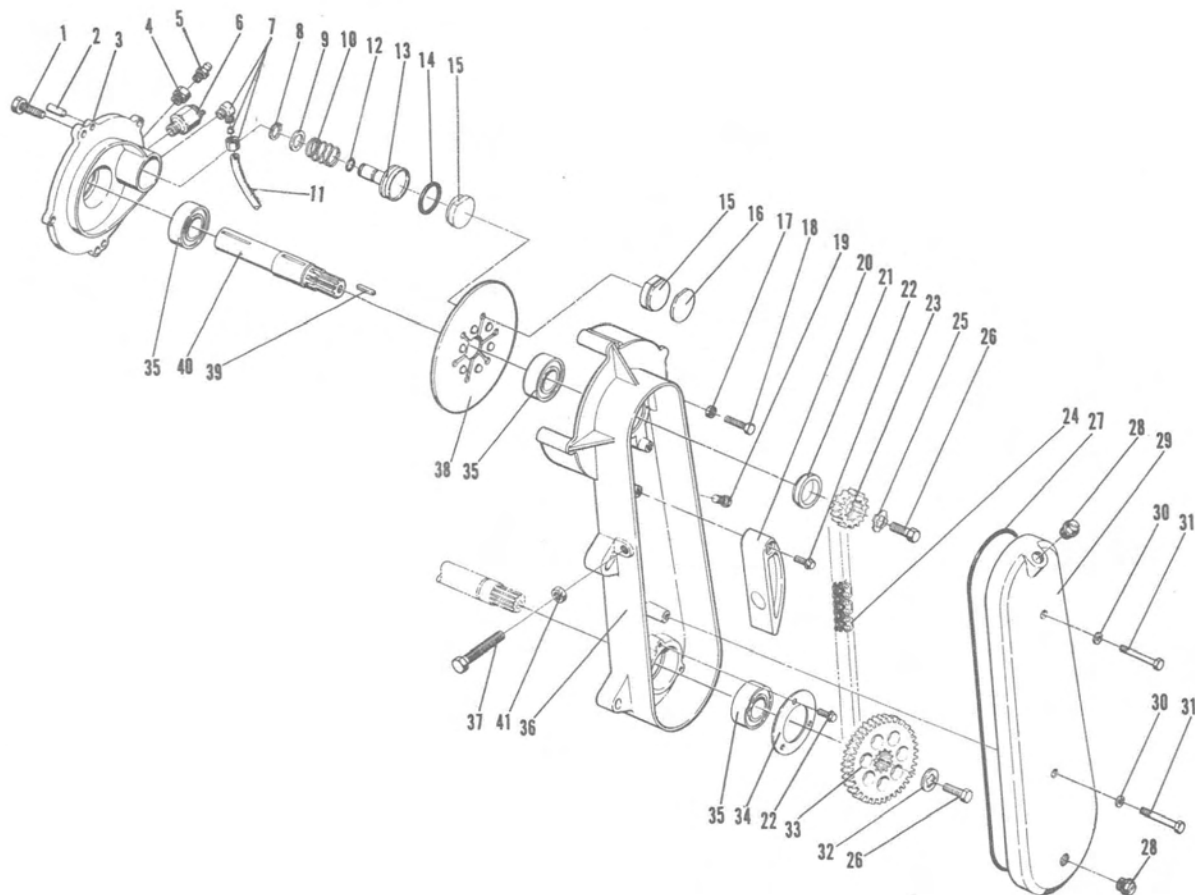
Ref. No.	Part No.	Qty.	Description
20	5020319	1	Master Cylinder
21	5410163	1	"O" Ring
22	5410164	1	"U" Pack Seal
23	7512308	1	Set Screw
24	5630126	1	Brake Lever
25	5410272	2	Handlebar Grip
26	5332326	1	Brake Lever Bushing
27	7052019	1	Male Connector
28	5420152	2	Brake Line
29	7511841	1	Screw
30	5630127	1	Reservoir Cover
31	5410176	1	Cover Gasket
32	7511975	1	Screw
33	7080187	1	Throttle Cable
34	7710502	1	Retaining Ring
35	7710401	1	Retaining Ring
36	4110040	1	Hi/Lo Dimmer Switch
37	1823115	1	Steering Post Weldment



Ski Assembly

Ref. No.	Part No.	Qty.	Description
1	1820190	2	Ski Weld
2	5430003	2	Wear Plate
3	1820132	2	Skag
4	7542302	2	Nut
5	7542403	6	Nut
6	7662001	2	Clevis
7	7661407	4	Cotter Pin
8	1820142	2	Ski Spring Stop
9	7043022	2	Main Spring

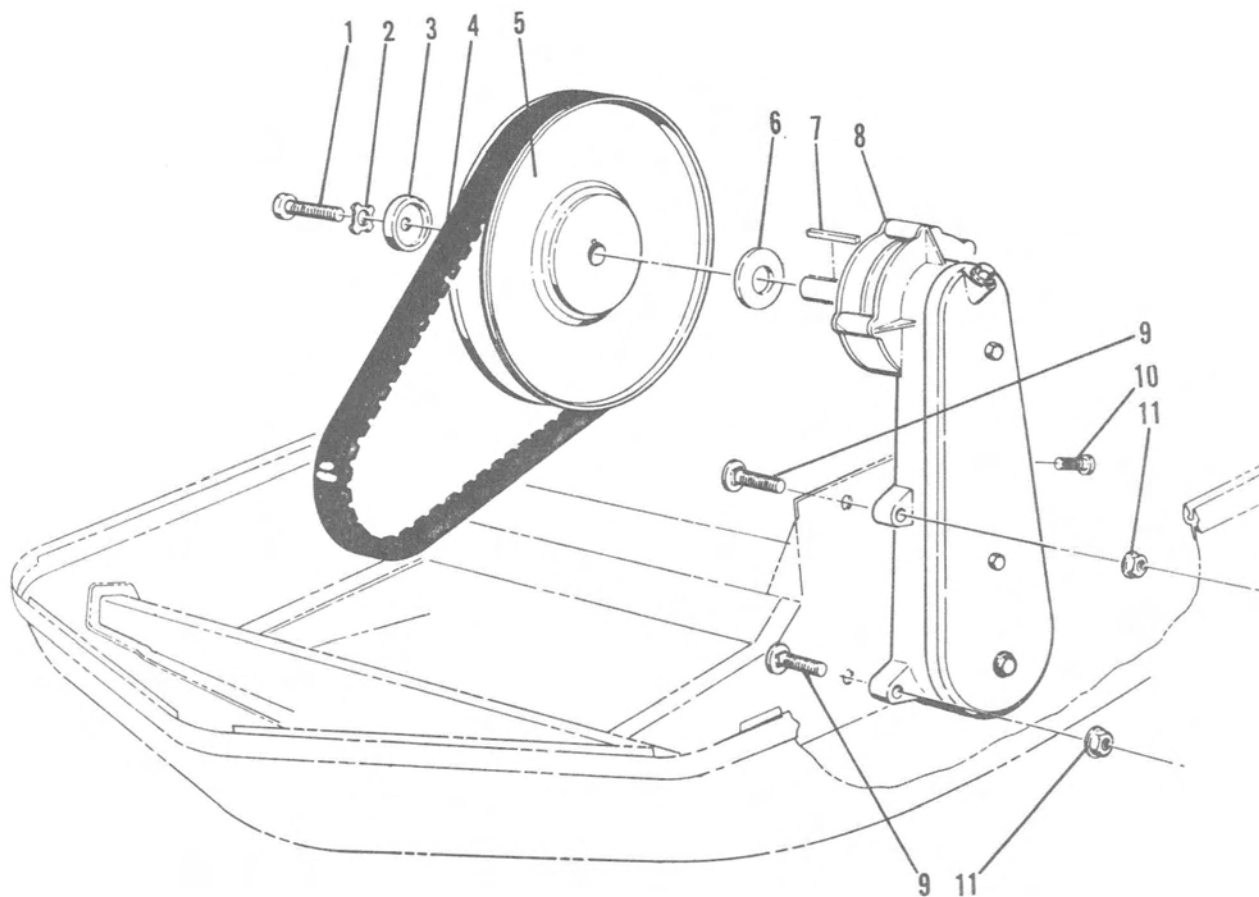
Ref. No.	Part No.	Qty.	Description
10	7043002	2	Support Spring
11	7662018	2	Clevis Pin
12	7515448	2	Bolt
13	7512405	4	Bolt
14	5221227	2	Spring Saddle
15	3573904	2	Spindle Housing Bushing
16	1821010	2	Spindle Weld
17	5010059	2	Ski Pivot Bushing
18	5410055	2	Rubber Ski Stop



Chaincase Assembly

Ref. No.	Part No.	Qty.	Description
1	7512390	5	Screw
2	7661806	2	Locator Pin
3	5630039	1	Rear Chaincase Cover
4	5020222	1	Bleeder Adapter Fitting
5	5020214	1	Bleeder Fitting
6	4110035	1	Stop Light Switch
7	7052020	1	Male Elbow
8	7712801	1	Retaining Ring
9	7555813	1	Washer
10	7041023	1	Compression Spring
11	5420152	1	Brake Line
12	5410158	1	'O' Ring
13	5020202	1	Disc Brake Plunger
14	5410159	1	'O' Ring
15	1930557	2	Disc Brake Puck
16	5210609	1	Back-Up Plate
17	5020285	1	Jam Nut
18	7512234	1	Bolt
19	7512497	1	Machine Screw
20	1332090	1	Tightener Block
21	5010153	1	Spacer

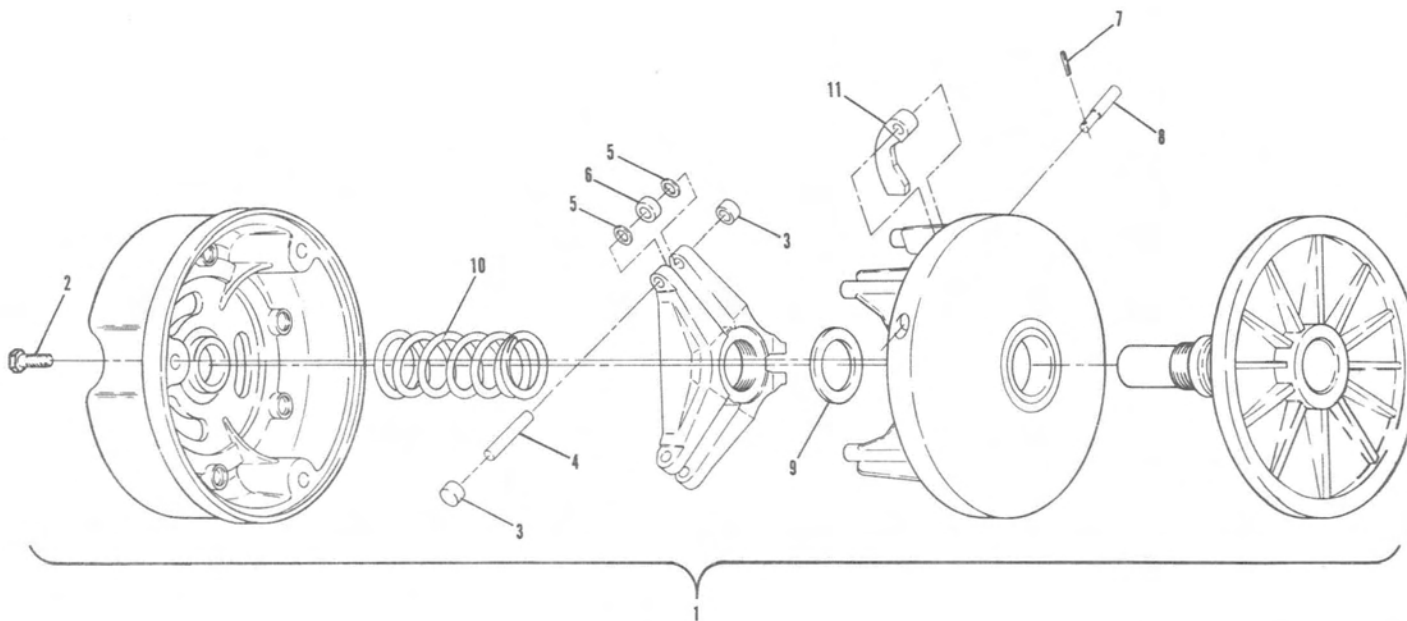
Ref. No.	Part No.	Qty.	Description
22	7511968	4	Screw
23	3221012	1	Sprocket 13T
24	3224014	1	Roller Chain 84P
25	7577901	1	Shakeproof Washer
26	7512325	2	Bolt
27	5410177	1	Rubber Seal
28	5430380	2	Chaincase Plug
29	5630113	1	Chaincase Cover
30	5410193	2	'O' Ring
31	7512243	2	Screw
32	7577902	1	Shakeproof Washer
33	3222027	1	Sprocket 35T
34	5210121	1	Retaining Plate
35	3514303	2	Bearing
36	5630133	1	Chaincase
37	7512342	1	Adjusting Screw
38	1332043	1	Brake Disc Asm.
39	7721202	1	Square Key
40	5020213	1	Input Shaft
41	7542301	1	Nut



Chaincase Mounting

Ref. No.	Part No.	Qty.	Description
1	7512328	1	Bolt
2	7577901	1	Shakeproof Washer
3	5221207	1	Clutch Cap
4	3211021	1	Drive Belt <i>at 3211044</i>
5	1322088	1	Driven Clutch
6	7556401	1	Machinery Bushing

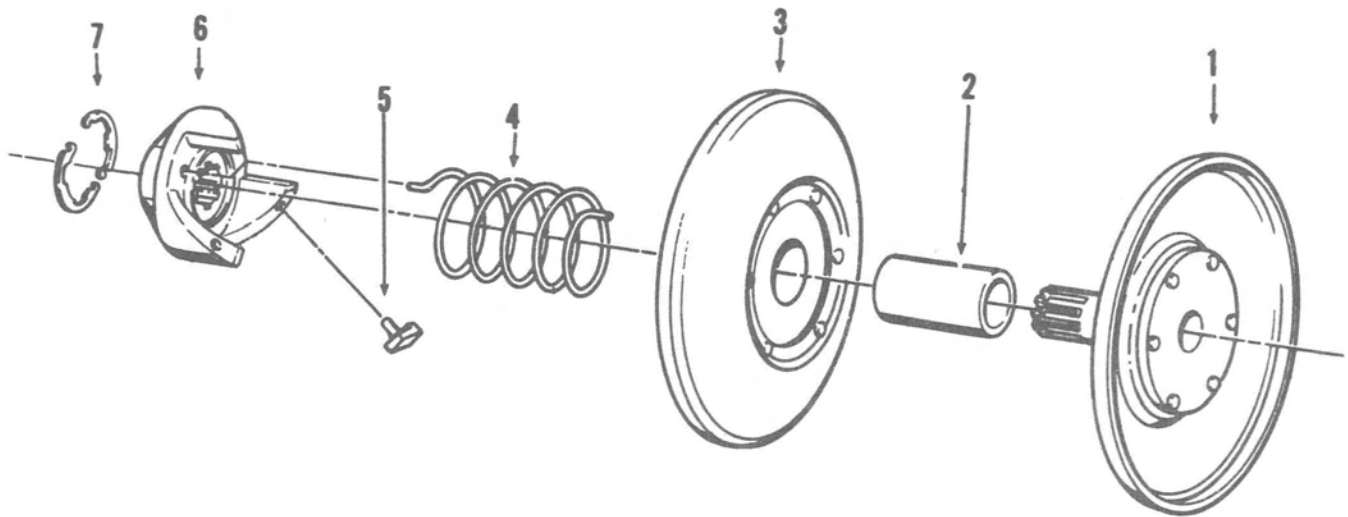
Ref. No.	Part No.	Qty.	Description
7	7721103	1	Square Key
8		1	See Chaincase Asm.
9	7512487	3	Carriage Bolt
10	7512497	1	Machine Screw
11	7542423	4	Flanged Nut



Drive Clutch

Ref. No.	Part No.	Qty.	Description
1	1321404	1	Clutch Basic - 6 (Incl. 2-9)
2	7512182	3	Bolt
3	5430269	6	Button
4	5020279	3	Pin
5	5430339	6	Washer - Plastic
6	5020250	3	Roller

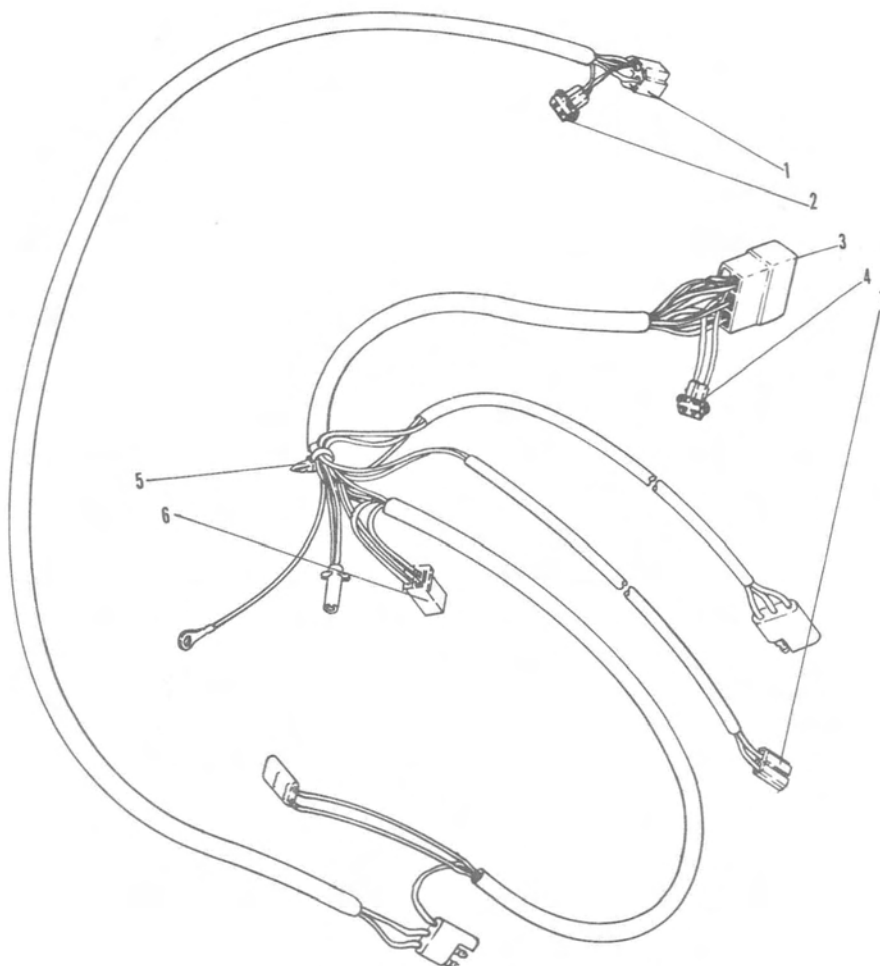
Ref. No.	Part No.	Qty.	Description
7	7661005	3	Spring Pin
8	5020280	3	Pin
9	5210754	1	Washer (.050)
10	7041132	1	Spring - White
11	5610084	3	Weight



Driven Clutch

Ref. No.	Part No.	Qty.	Description
	1322088	1	Driven Clutch Asm.
1	1322087	1	Stationary Face Asm.
2	3565901	1	Bearing
3	1322086	1	Movable Face Asm.

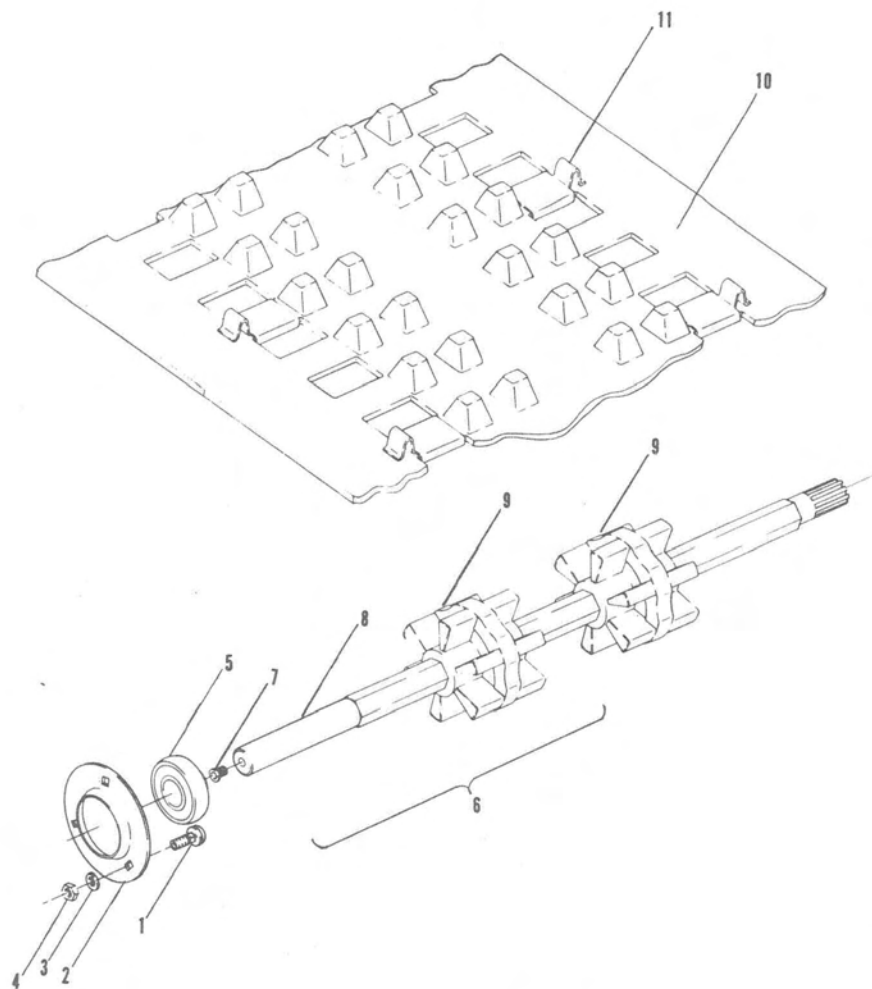
Ref. No.	Part No.	Qty.	Description
4	7041004	1	Spring
5	5430265	3	Ramp Button
6	1322070	1	Ramp Assembly
7	7714802	1	Retaining Ring



Main Wire Harness

Ref. No.	Part No.	Qty.	Description
	2460196	1	Main Wire Harness
1	2200022	1	Receptacle Housing w/Receptacles
2	2200163	1	2 Circuit Housing Kit
3	2200074	1	6 Circuit Tab Housing w/Tabs

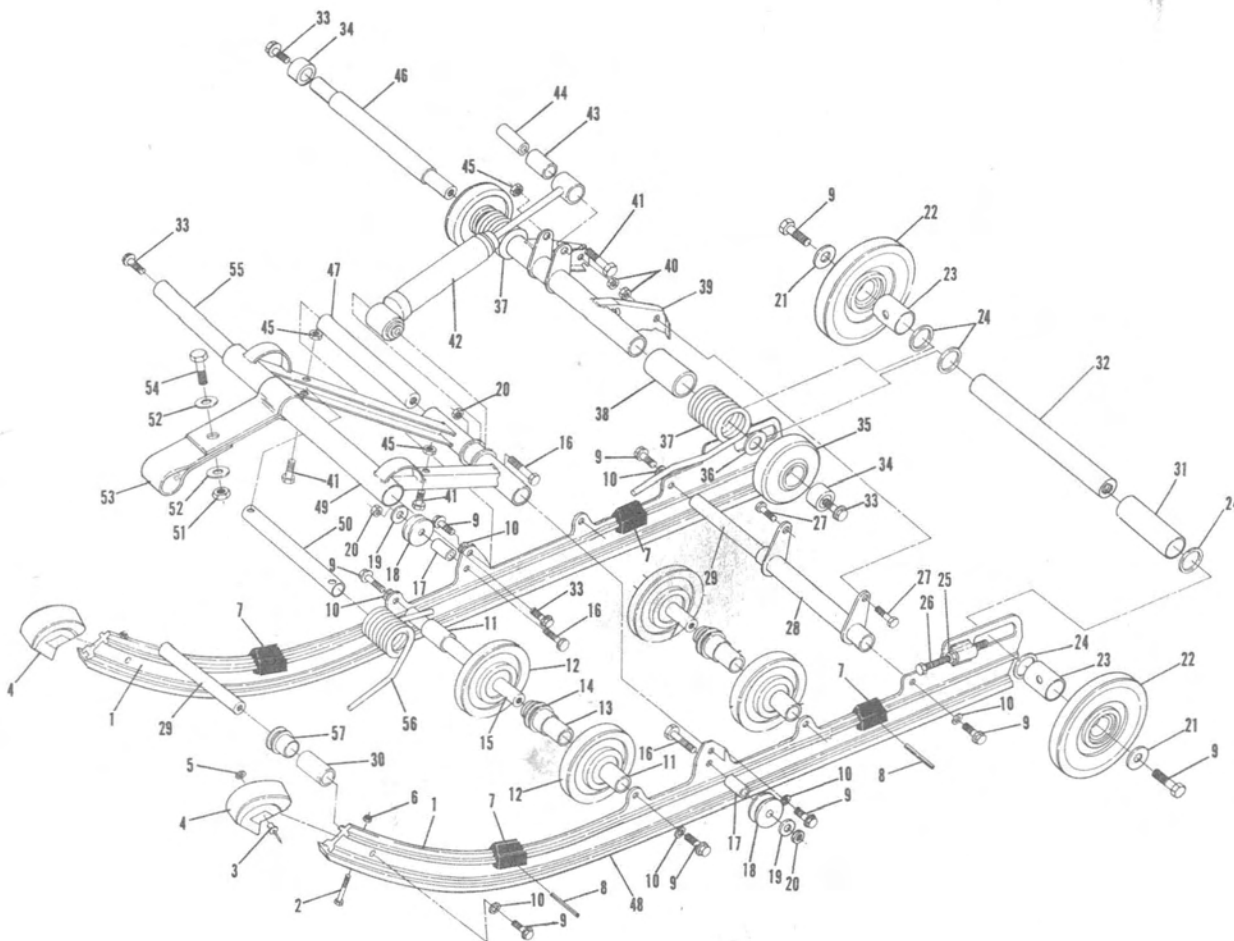
Ref. No.	Part No.	Qty.	Description
4	2200156	1	2 Circuit Housing Kit
5	7080138	1	Panduit Strap
6	2200020	1	2 Circuit Housing Kit
7	2200082	1	Brakelight Connector Kit



Drive Shaft and Track

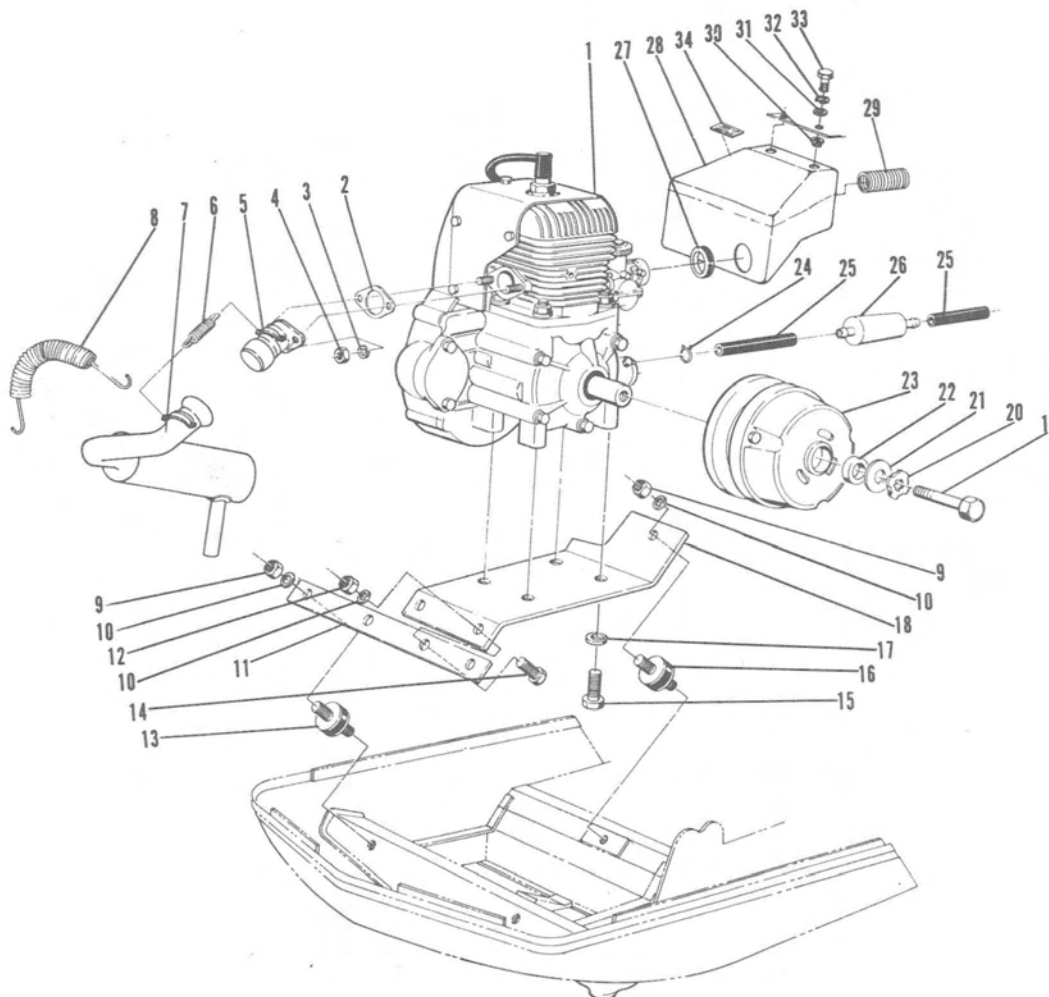
Ref. No.	Part No.	Qty.	Description
1	7512394	3	Bolt
2	5221172	1	Flangette
3	7558403	3	Washer
4	7542324	3	Nut
5	3514501	1	Bearing
6	1590207	1	Shaft Asm. (Incl. 7-9)

Ref. No.	Part No.	Qty.	Description
7	3280019	1	Bushing
8	6230050	1	Shaft
9	5430678	2	Sprocket
10	5410367	1	Track (Incl. 11)
11	5220015	AR	Guide Clip



Suspension

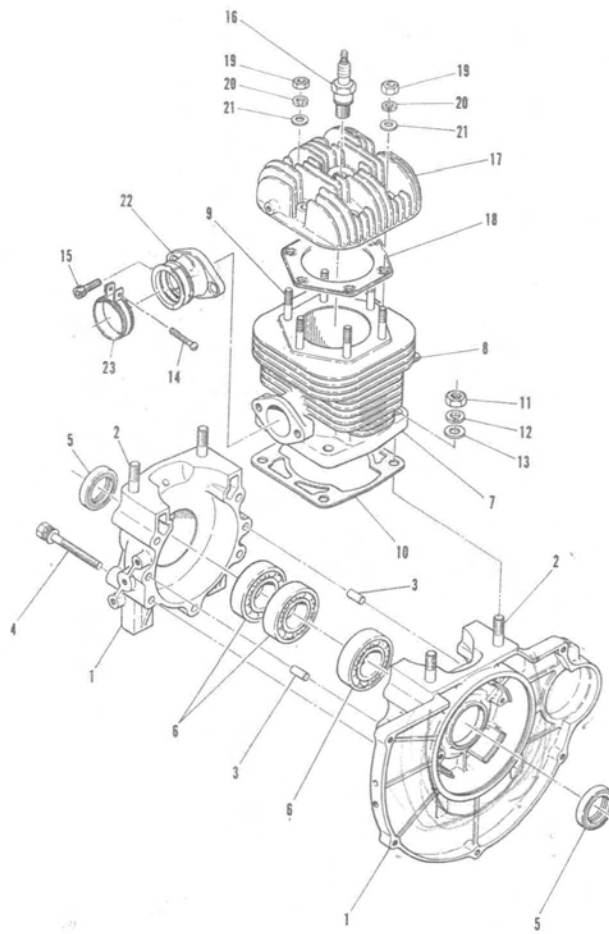
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	1540524	1	Rail Asm. (Incl. 2-8)	29	5020415	2	Axle
	1540525	1	Rail Asm. (Incl. 2-8)	30	5521111	1	Spacer
2	7512227	2	Bolt	31	5521116	1	Spacer
3	7621435	2	Rivet	32	5020416	1	Shaft
4	5430627	2	Rail Tip	33	7515432	4	Bolt
5	7558212	2	Rivet Burr	34	5332730	2	Spacer
6	7542122	2	Nut	35	1543016	2	Wheel
7	5410315	4	Bumper	36	7555726	2	Washer
8	7661602	4	Spring Pin	37	7041128	1	Spring L.H.
9	7512492	12	Bolt		7041129	1	Spring R.H.
10	7553001	10	Washer	38	5521089	2	Tube
11	5521114	4	Tube	39	1540494	1	Torque Arm
12	1543015	4	Wheel	40	7542303	2	Nut
13	5521115	2	Tube	41	7515306	3	Bolt
14	5430629	1	Roller	42	7041130	1	Shock
15	5020393	2	Axle	43	5430537	1	Bushing
16	7515443	3	Bolt	44	5332631	1	Spacer
17	5332655	2	Spacer	45	7542302	3	Nut
18	5430540	2	Roller	46	5020412	1	Axle
19	7555712	2	Washer	47	5020413	1	Axle
20	7542409	3	Nut	48	5521104	2	Hi-Fax
21	7555802	2	Washer	49	1540492	1	Torque Arm
22	1594031	2	Wheel	50	5332751	1	Tube
23	5521112	2	Spacer	51	7542321	1	Nut
24	7556301	6	Bushing	52	7555716	2	Washer
25	7542404	2	Nut	53	5410336	1	Strap
26	7515459	2	Bolt	54	7515307	1	Bolt
27	7515312	2	Bolt	55	5020414	1	Axle
28	1540493	1	Pivot Arm	56	7041133	1	Spring
				57	5430630	1	Roller



Engine Mounting

Ref. No.	Part No.	Qty.	Description
1	1211396	1	Engine - EC25PS
2	5830001	1	Gasket
3	7552901	2	Washer
4	7542323	2	Nut
5	1260331	1	Manifold Weld
6	3081078	2	Exhaust Return Spring
7	1260445	1	Muffler
8	7042015	2	Spring
9	7542411	3	Nut
10	7555803	5	Washer
11	5332295	1	Motor Mount Strap
12	7542425	2	Nut
13	3110014	2	Motor Mount - Front
14	7512486	2	Screw
15	7512539	4	Screw
16	3110015	1	Motor Mount - Rear
17	7553101	4	Lock Washer

Ref. No.	Part No.	Qty.	Description
18	5223855	1	Motor Mount Plate
19	7512528	1	Bolt
20	7575202	1	Washer
21	5210748	1	Washer
22	5430261	1	Bushing
23	1321404	1	Drive Clutch - Basic 6
24	7080134	1	Clamp
25	2870563	1	Fuel Line
26	2530008	1	Filter
27	5410311	1	Boot
28	5430551	1	Silencer Box - Drilled
29	5410251	1	Inlet Hose
30	7541920	2	Well Nut
31	7558201	2	Washer
32	7552601	2	Lock Washer
33	7511943	2	Screw
34	7071761	1	Decal - Intake Silencer

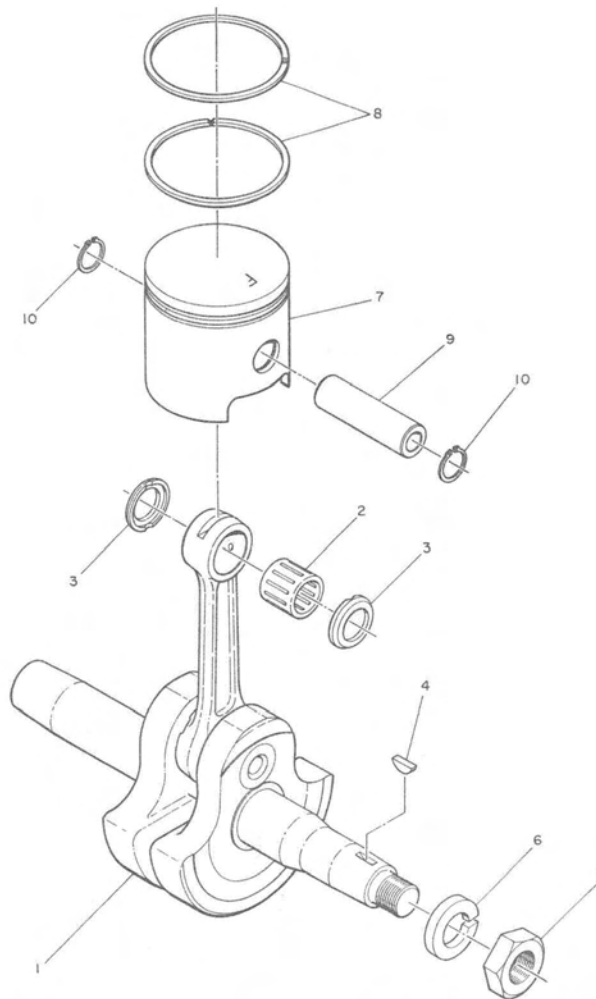


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Crankcase and Cylinder

Ref. No.	Part No.	Qty.	Description
1	3082644	1	Crankcase (Incl. 2-6)
2	3080746	4	Stud
3	3080103	2	Dowel Pin
4	3081517	5	Bolt
5	3082162	2	Oil Seal
6	3082836	3	Bearing
7	3083021	1	Cylinder (Incl. 8 & 9)
8	3080016	2	Stud
9	3080283	6	Stud
10	3080301	1	Gasket
11	3080047	4	Nut
12	3080281	4	Lock Washer

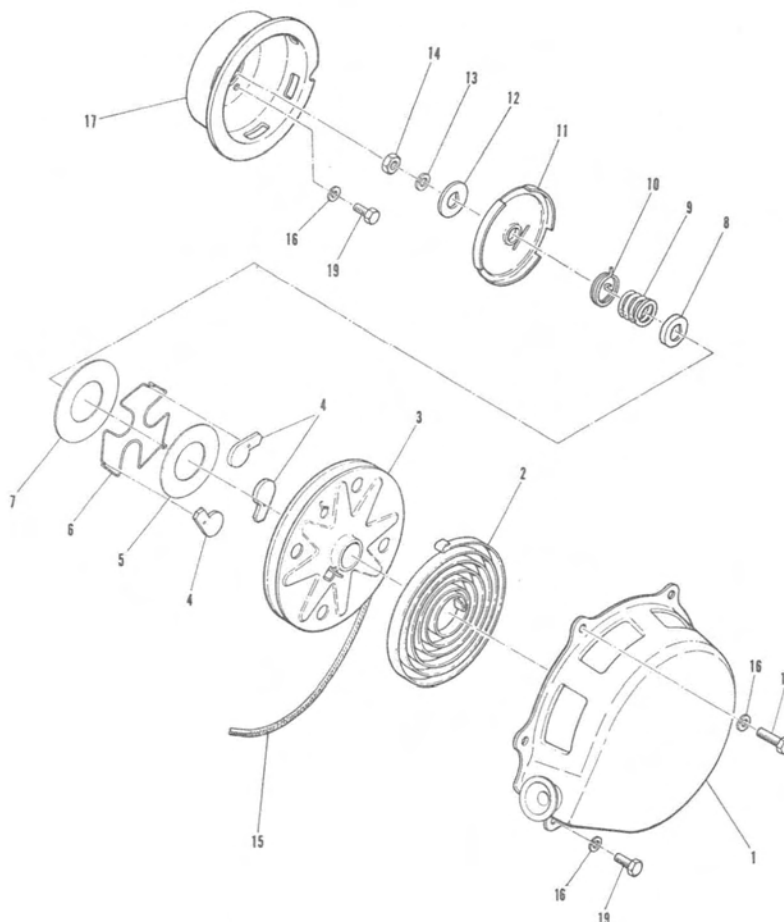
Ref. No.	Part No.	Qty.	Description
13	3080356	4	Washer
14	3081497	1	Screw
15	3081330	2	Bolt
16	3070156	1	Spark Plug BR8ES
17	3081219	1	Cylinder Head
18	3081520	1	Head Gasket
19	3080119	6	Nut
20	3080530	6	Lock Washer
21	3080142	6	Washer
22	3083022	1	Adapter
23	3082257	1	Band



Piston' and Crankshaft

Ref. No.	Part No.	Qty.	Description
1	3082646	1	Crankshaft Asm
2	3080265	1	Bearing
3	3081720	2	Spacer
4	3081543	1	Key
5	3080639	1	Nut

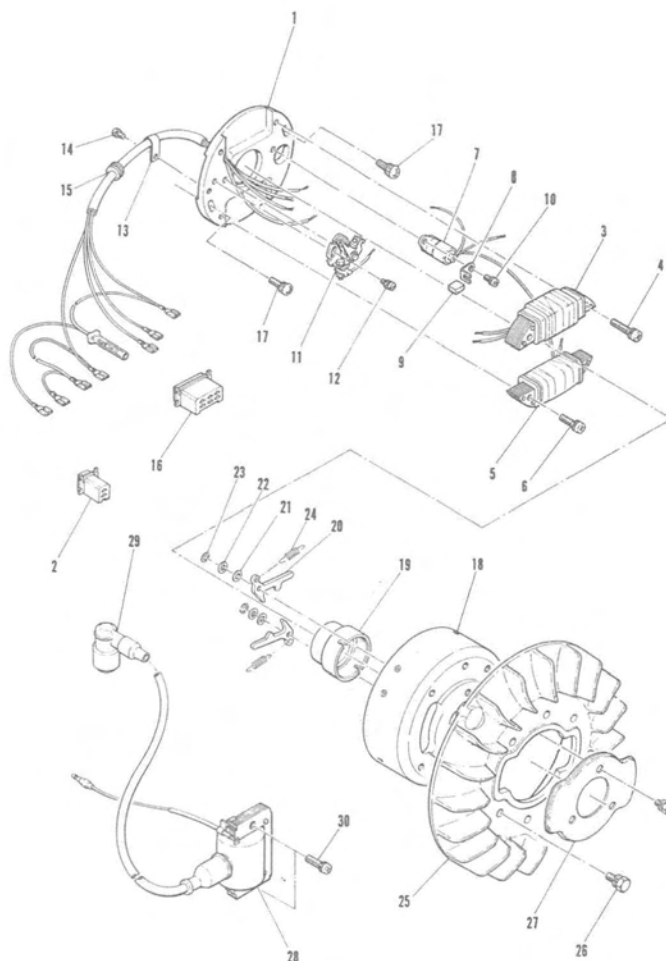
Ref. No.	Part No.	Qty.	Description
6	3080772	1	Lock Washer
7	3083023	1	Piston - Standard
	3081732	1	Piston - .020 Oversized
8	3080259	2	Piston Ring - Standard
	3081724	2	Piston Ring - .020 Oversized
9	3081522	1	Piston Pin
10	3081718	2	Clip



Recoil Starter

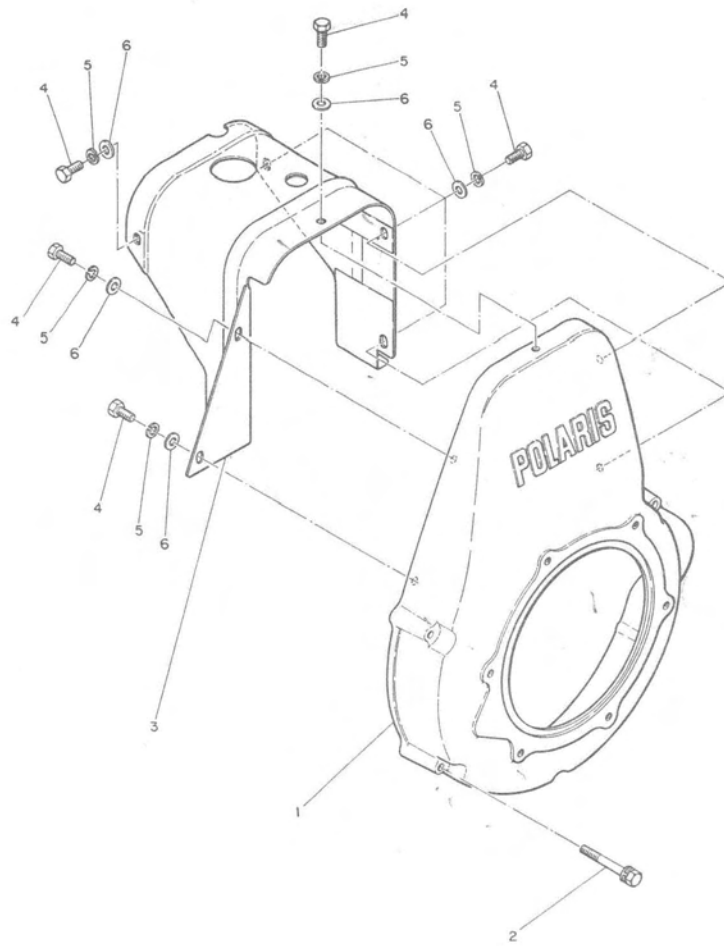
Ref. No.	Part No.	Qty.	Description
1	3082603	1	Recoil Starter Asm
2	3083185	1	Spring
3	3082488	1	Reel
4	3082318	3	Ratchet
5	3082604	1	Slide Plate
6	3082319	3	Spring
7	3082490	1	Slide Plate
8	3082492	1	Washer
9	3081238	1	Spring
10	3082118	1	Spring

Ref. No.	Part No.	Qty.	Description
11	3082605	1	Plate
12	3081240	1	Washer
13	3081087	1	Washer
14	3081086	1	Nut
15	3082835	1	Starter Rope
16	3080077	9	Lock Washer
17	3082607	1	Pulley
18	3080291	1	Bolt
19	3080146	8	Bolt



Magneto

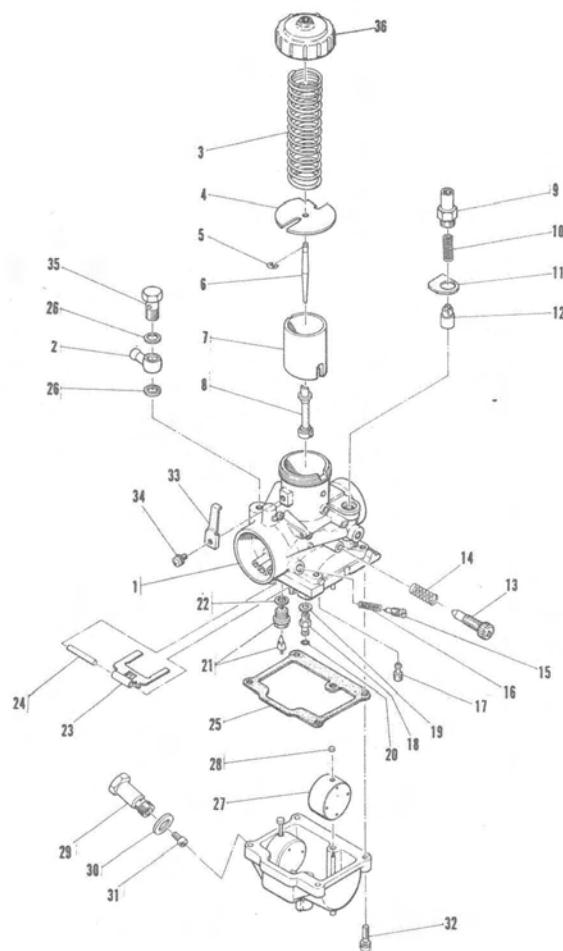
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3082600	1	Plate Asm (Incl. 2-16)	16	3081513	1	Coupler
2	3082601	1	Coupler	17	3081972	2	Screw
3	3081250	1	Lamp Coil	18	3081262	1	Flywheel Asm (Incl. 19-27)
4	3081253	2	Screw	19	3081263	1	Cam
5	3081252	1	Exciter Coil	20	3081264	2	Weight
6	3081253	2	Screw	21	3081265	AR	Washer
7	3081970	1	Condenser	22	3081266	AR	Washer
8	3082653	1	Holder	23	3081267	2	Snap Ring
9	3082668	1	Oil Felt	24	3082654	2	Spring
10	3081256	1	Screw	25	3081269	1	Blower
11	3082173	1	Breaker Points	26	3081270	6	Bolt
12	3081258	1	Screw	27	3081973	1	Cover
13	3081296	1	Clamp	28	3083025	1	Ignition Coil
14	3081260	1	Screw	29	3083282	1	Spark Plug Cap
15	3081511	1	Grommet	30	3082175	2	Screw



Blower Housing

Ref. No.	Part No.	Qty.	Description
1	3082029	1	Blower Housing
2	3082030	5	Bolt
3	3083024	1	Baffle

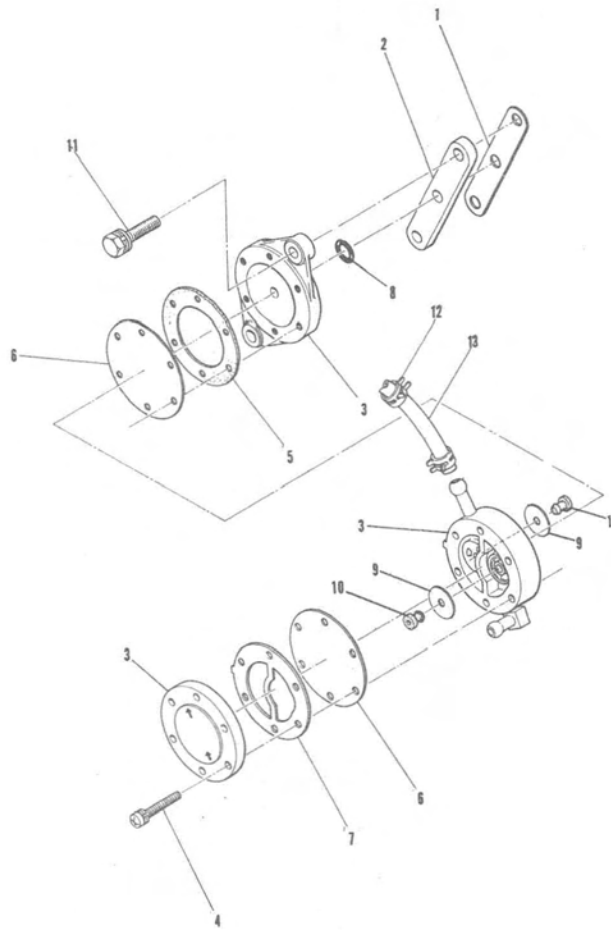
Ref. No.	Part No.	Qty.	Description
4	3083170	7	Bolt
5	3080077	7	Lock Washer
6	3082520	7	Washer



Carburetor

Ref. No.	Part No.	Qty.	Description
1	3130312	1	Carb Asm (Incl. 2-35)
2	3130040	1	Connector
3	3130001	1	Spring
4	3130002	1	Throttle Plate
5	3130003	1	E-Ring
6	3130154	1	Jet Needle
7	3130282	1	Throttle Valve 3.0
8	3130035	1	Needle Jet
9	3130005	1	Plunger Cap
10	3130006	1	Spring
11	3130007	1	Washer
12	3130008	1	Plunger
13	3130042	1	Screw
14	3130010	1	Spring
15	3130011	1	Air Screw
16	3130012	1	Spring
17	3130071	1	Pilot Jet No. 60
18	3130167	1	Needle Jet Setter

Ref. No.	Part No.	Qty.	Description
19	3130014	1	Washer
20	3130015	1	O-Ring
21	3130016	1	Needle Valve 1.5
22	3130017	1	Gasket
23	3130018	1	Float Arm
24	3130043	1	Float Pin Arm
25	3130020	1	Gasket
26	3130039	2	Washer
27	3130021	2	Float Asm
28	3130022	2	Cap
29	3130023	1	Bolt Banjo
30	3130024	1	Washer
31	3130109	1	Main Jet No. 130
32	3130025	4	Screw
33	3130036	1	Plate
34	3130037	1	Screw
35	3130038	1	Bolt
36	3130060	1	Cap



Fuel Pump

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3081273	1	Gasket	8	3080850	1	O-Ring
2	3081274	1	Insulator	9	3081528	2	Valve
3	3082650	1	Pump (Incl. 4-10)	10	3081529	2	Grommet
4	3081286	6	Screw	11	3082171	2	Bolt
5	3081525	1	Gasket	12	7080050	2	Clamp
6	3081526	2	Diaphragm	13	2870563	1	Hose
7	3081530	1	Gasket				

RELATED ITEMS FOR 1983 GEMINI

2870494	Cover
2870392	Saddle Bag
2870314	Spray Paint - Blue, 75-83 - 12 Oz.
2870273	Oil 40:1 (24 Pts./Case)
2870297	Carbide Skags
2870337	Chaincase Oil - 8 Oz.
2870464	Chaincase Oil - 1 Gal.
2870502	Drive Belt Holder (Pkg. 2)
2870510	Clutch & Cable Lube
2870505	Fuel De-Icer
2870511	Suspension Lube - 16 Oz.

