

'81 El Tigre illustrated parts manual

5000 FIC Model No. 0250-462
6000 LIC Model No. 0250-463

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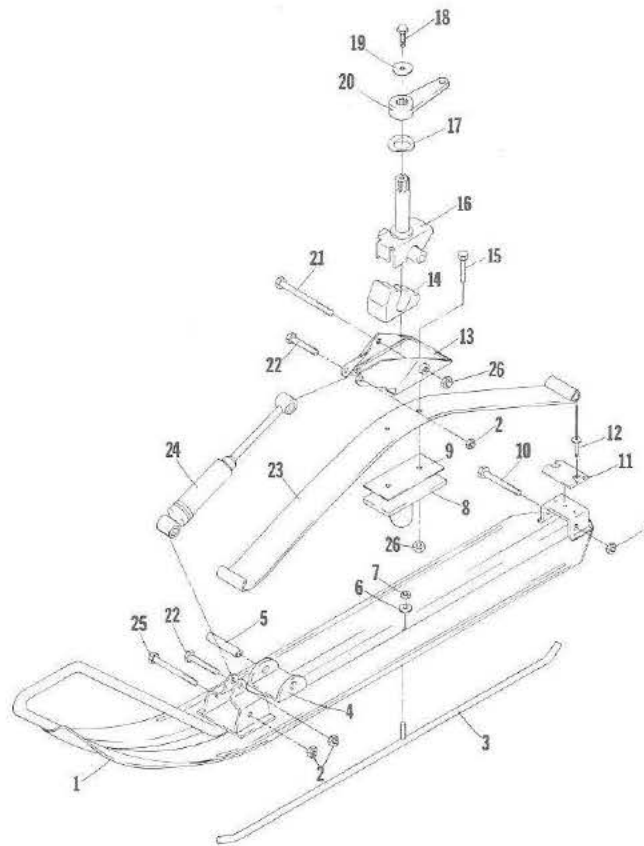
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NOTE: The illustrations used in this Parts Manual are for reference to replacement part numbers only and are not to be used for assembly procedure. For assembly procedure use Arctic Service Manuals.

New part numbers for this year are underlined.

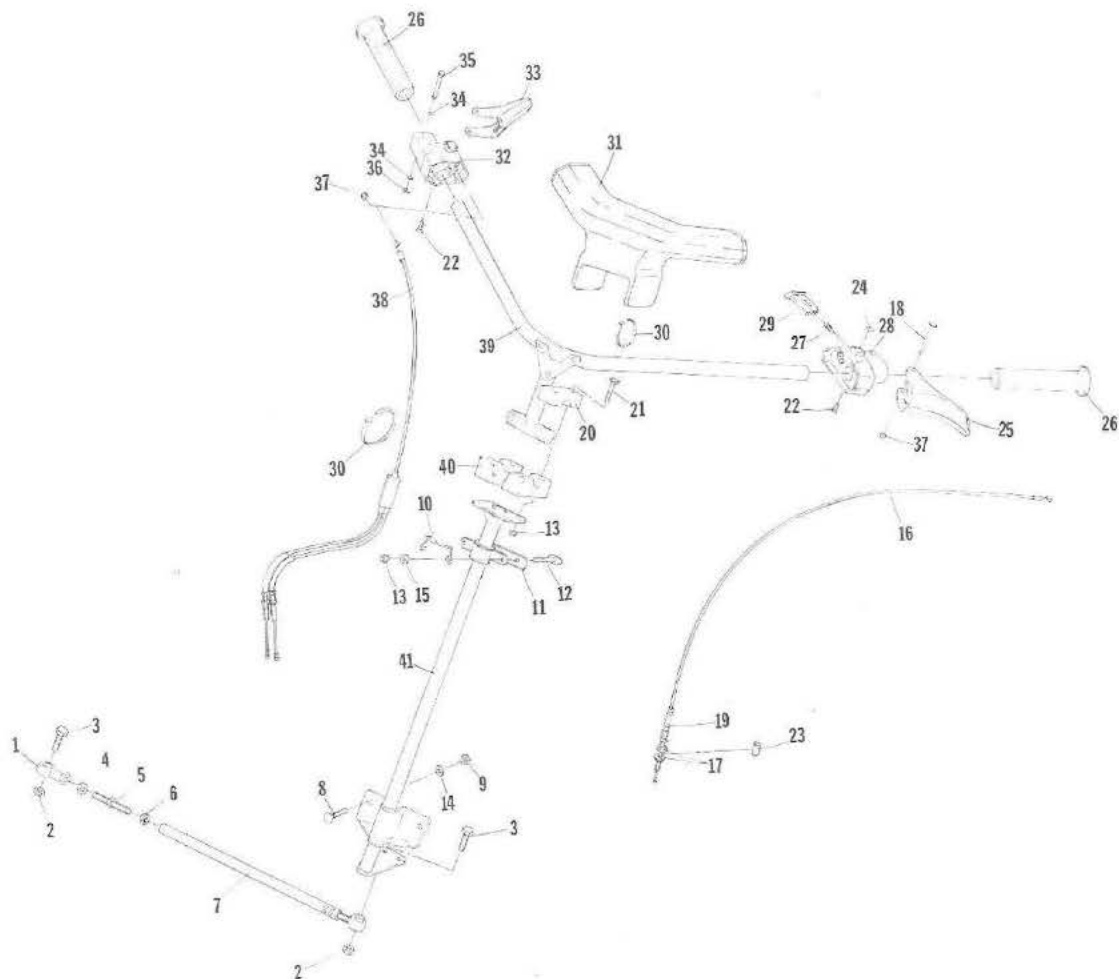


Ski

0700-355

Ref. No.	Part No.	Qty.	Description
1	0103-290	2	Ski
2	8040-486	8	Nut, Lock
3	0103-286	2	Skag
4	0103-101	2	Saddle
5	0103-102	2	Sleeve
6	8050-242	2	Washer
7	8040-426	2	Nut, Lock
8	0103-339	2	Block, Bump Out
9	0103-337	2	Liner, Interleaf
10	8002-231	2	Screw, Cap
11	0103-028	2	Bumper
12	0123-251	4	Rivet
13	0103-344	1	Saddle-Right
	0103-345	1	Saddle-Left

Ref. No.	Part No.	Qty.	Description
14	0103-349	2	Damper
15	0124-052	4	Screw, Cap
16	0103-324	2	Spindle
17	0123-261	AR	Washer, Wave
18	8012-130	2	Screw, Cap-Lock
19	0123-474	2	Washer
20	0110-017	2	Arm, Spindle
21	0124-051	2	Screw, Cap
22	8002-227	4	Screw, Cap
23	0103-338	2	Spring
24	0103-205	2	Shock Absorber
25	8002-232	2	Screw, Cap
26	8040-546	6	Nut, Lock

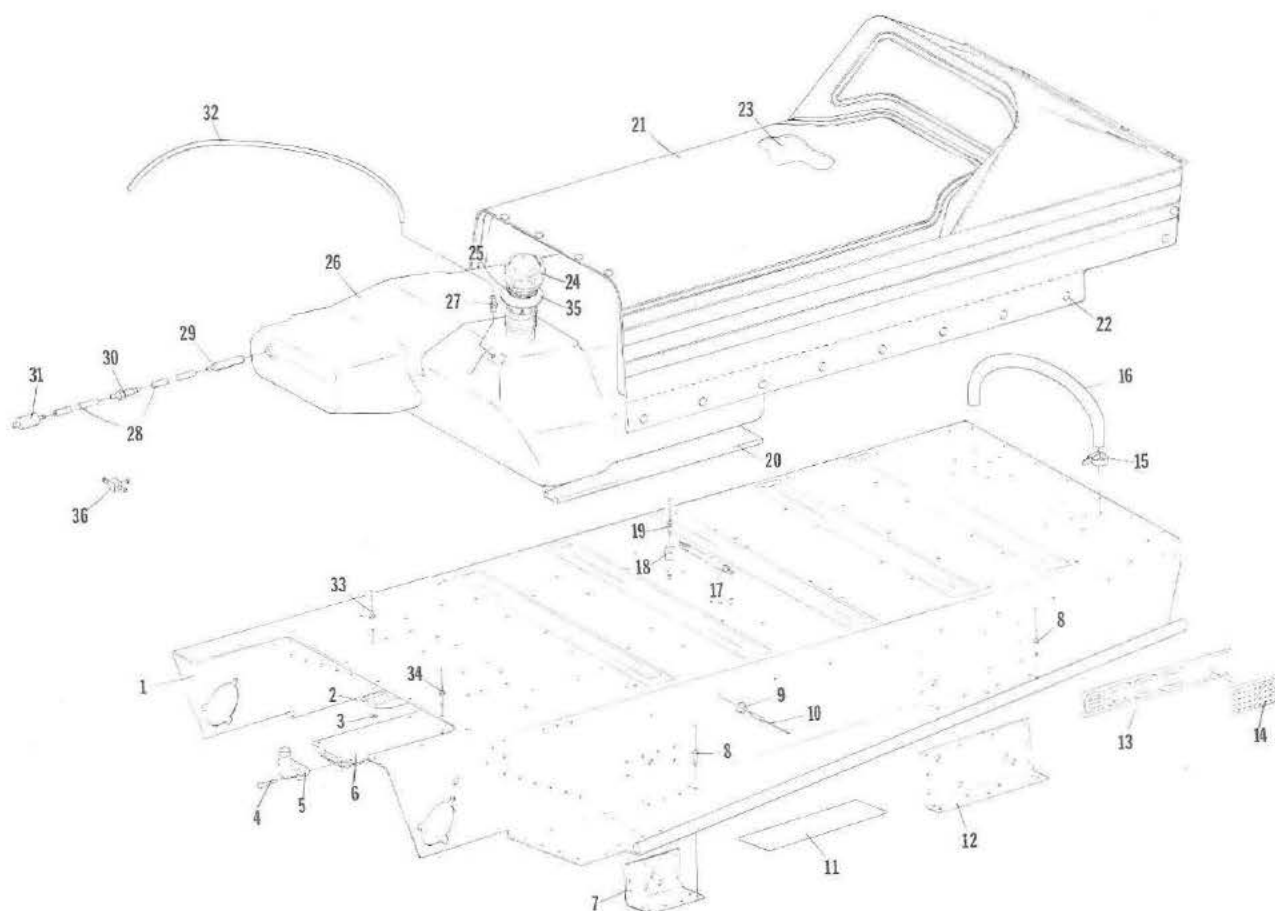


Steering

0700-375

Ref. No.	Part No.	Qty.	Description
1	0105-236	2	End, Tie Rod
2	8040-486	4	Nut, Lock
3	0124-050	4	Screw, Cap
4	0123-912	2	Nut, Jam
5	0105-305	2	Bolt, Tie Rod Adj.
6	0123-913	2	Nut, Jam L.H. Thd.
7	0105-298	2	Tie Rod
8	0124-053	2	Bolt, Carriage
9	8040-426	2	Nut, Lock
10	0117-769	1	Bracket, Cable
11	0105-203	1	Plate, Backing
12	8002-046	2	Screw, Cap
13	8040-366	6	Nut, Lock
14	8050-252	2	Washer
15	8050-217	2	Washer
16	0115-480	1	Cable, Brake
17	0123-406	2	Nut, Flange
18	0123-927	1	Pin
19	0109-194	1	Spring
20	0105-350	2	Cap
21	8002-047	4	Screw, Cap
22	0124-047	2	Screw

Ref. No.	Part No.	Qty.	Description
23	0115-715	2	Spacer
24	0212-138	1	Decal, Dimmer Switch
25	0115-280	1	Lever
26	0117-793	2	Grip
27	0109-608	1	Spring, Park Brake
28	0117-287	1	Switch, Brake
29	0115-278	1	Park Brake
30	0123-788	AR	Tie, Cable
31	0117-282	1	Pad, Handlebar
32	0117-335	1	Throttle Assy
33	0117-879	1	Lever (F/A)
	0115-688	1	Lever (L/C)
34	0123-919	2	Seal
35	0123-918	1	Pin
36	0123-810	1	Ring, Retaining
37	0123-231	2	Ring, Retaining
38	0187-061	1	Cable, Throttle (F/A)
	0187-068	1	Cable, Throttle (L/C)
39	0105-376	1	Handlebar
40	0105-351	1	Block, Adjusting
41	0105-392	1	Post, Handlebar

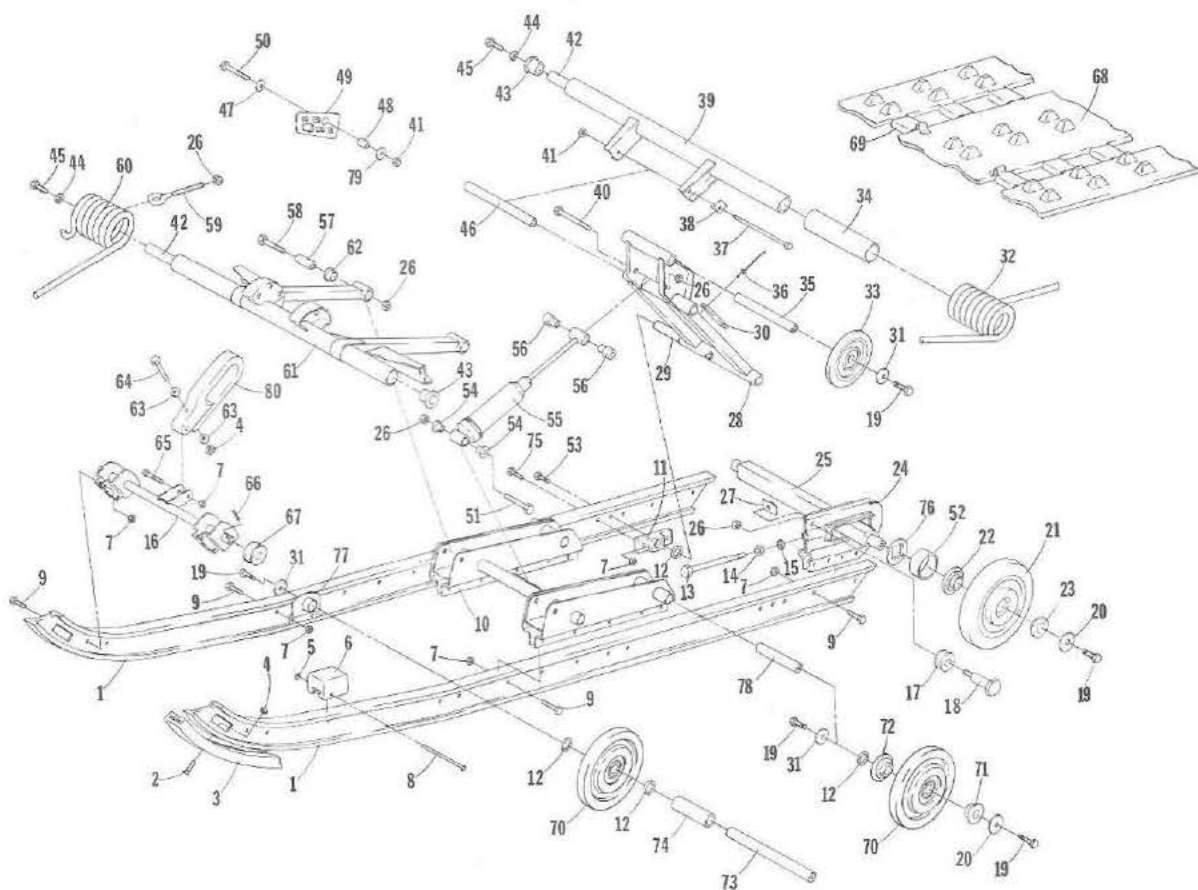


Tunnel, Gas Tank and Seat

0700-376

Ref. No.	Part No.	Qty.	Description
1	0117-939	1	Body
2	0106-223	2	Strip, Wear
3	0123-149	20	Washer
4	0123-874	8	Screw, Tapping (L/C)
5	0106-959	4	End Cap (L/C)
6	0106-958	2	Heat Exchanger (L/C)
7	0106-930	2	Plate, Front
8	8060-482	50	Rivet
9	0116-074	18	Snap
10	8060-244	18	Rivet
11	0116-924	2	Pad, Safety
12	0106-928	1	Plate, Rear-Right
	0106-929	1	Plate, Rear-Left
13	0211-910	1	Decal, 5000-Right
	0211-911	1	Decal, 5000-Left
	0211-912	1	Decal, 6000-Right
	0211-913	1	Decal, 6000-Left
14	0116-907	2	Reflector-Red
15	0214-012	2	Clamp, Hose (L/C)
16	0115-136	1	Hose (L/C)
17	0123-808	1	Spring
18	0116-949	2	Bracket, Gas Tank

Ref. No.	Part No.	Qty.	Description
19	8060-486	2	Rivet
20	0106-972	1	Pad-Right
	0106-973	1	Pad-Left
21	0117-717	1	Cover (Inc 22)
22	0116-378	32	•Snap
23	0117-718	1	Foam
24	0115-150	1	Cap, Gas (Inc 25) F/A
	0115-615	1	Cap, Gas (Inc 25) L/C
25	0109-733	1	•Seal
26	0115-434	1	Tank, Gas (Inc 27-30) L/C
	0115-055	1	Tank, Gas (Inc 27-30) F/A
27	0115-135	1	•Vent Gas Tank
28	0210-501	AR	•Hose, Gas Line-100'
	0210-525	AR	•Hose, Gas Line-500'
29	0510-358	1	•Strainer
30	0109-718	1	•Outlet
31	0510-335	1	Filter In-Line
32	0210-643	1	Hose, Vent
33	8060-488	20	Rivet
34	8060-486	40	Rivet (L/C)
35	0117-054	1	Seal, Spill
36	0109-332	1	"T" Connector (L/C)

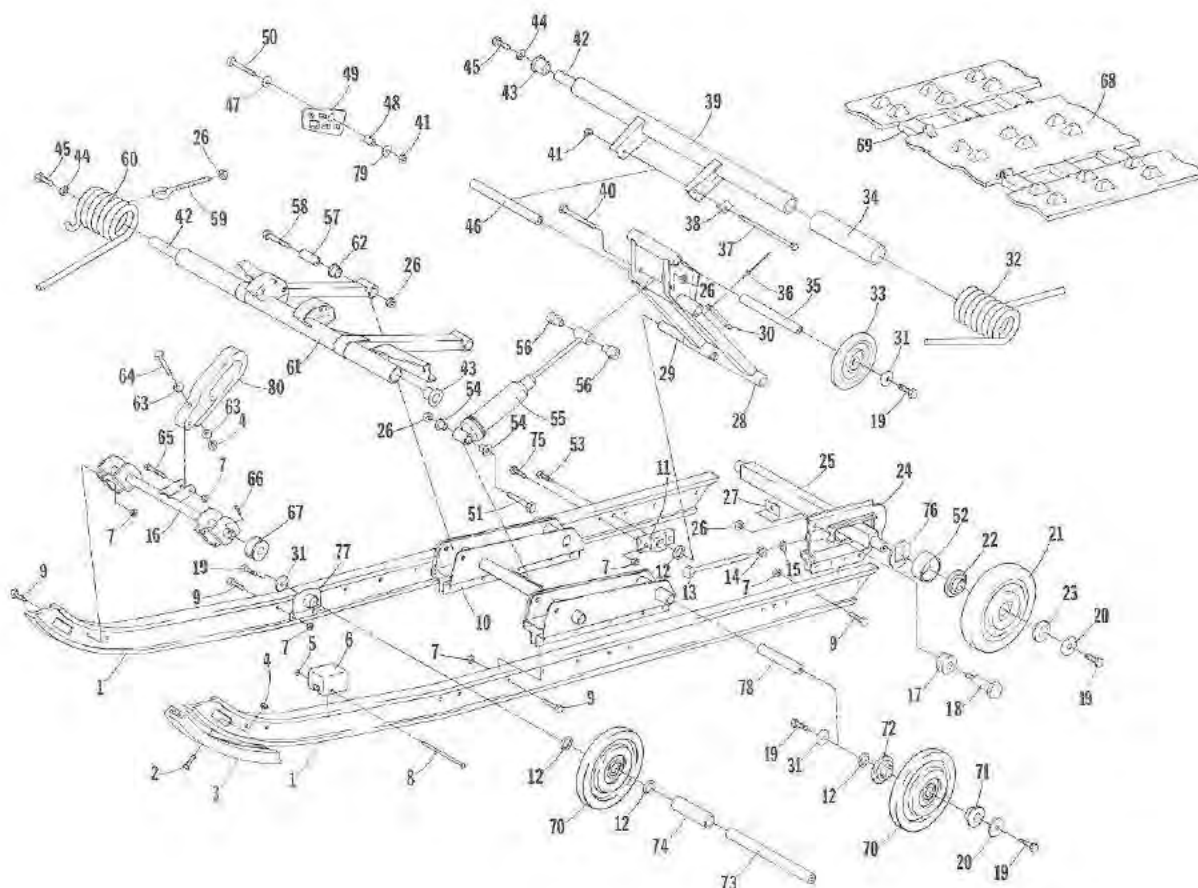


Undercarriage and Track

0700-270

Ref. No.	Part No.	Qty.	Description
1	0114-115	2	Rail, Formed
2	0123-869	2	Screw, Machine
3	0114-408	2	Strip, Wear
4	8040-366	3	Nut, Lock
5	0123-766	4	Nut, Push
6	0104-631	4	Pad, Shock
7	8040-426	27	Nut, Lock
8	0123-767	4	Rivet, Solid
9	8002-131	22	Screw, Cap
10	0114-152	1	Bracket, Front Arm
11	0114-171	2	Bracket, Rear Arm
12	0123-439	8	Washer
13	0123-703	2	Screw, Cap
14	8042-486	2	Nut, Hex
15	8051-277	2	Washer, Lock
16	0104-910	1	Crossbrace, Front
17	0104-922	2	Roller, Rear
18	0104-842	2	Bolt, Shoulder
19	8012-130	10	Screw, Cap-Lock
20	0123-019	4	Washer
21	0114-210	2	Wheel, Idler (Inc 22 & 23)
22	0104-342	2	•Insert
23	0104-343	2	•Insert
24	0114-120	1	Housing-Right
	0114-121	1	Housing-Left
25	0114-128	1	Axle, Rear
26	8040-486	8	Nut, Lock
27	0104-838	2	Plate/Nut
28	0114-094	1	Arm, Rear

Ref. No.	Part No.	Qty.	Description
29	0114-170	1	Axle
30	0104-073	2	Pad
31	0123-260	6	Washer
32	0114-226	1	Spring, Rear-Right
	0114-227	1	Spring, Rear-Left
33	0114-209	2	Wheel, Idler
34	0114-160	2	Sleeve
35	0114-086	1	Shaft
36	8061-486	4	Rivet
37	8001-238	1	Screw, Cap
38	0123-863	1	Washer, Tab Lock
39	0114-093	1	Housing
40	8002-231	1	Screw, Cap
41	8041-486	3	Nut, Lock-Thin
42	0114-163	2	Axle
43	0114-162	4	Bushing
44	8051-278	4	Washer, Lock
45	8002-252	4	Screw, Cap
46	0114-168	1	Tube, Pivot
47	8050-283	2	Washer
48	0114-072	2	Tube, Pivot
49	0114-062	1	Adjustment-Right
	0114-063	1	Adjustment-Left
50	8002-255	2	Screw, Cap
51	8002-227	1	Screw, Cap
52	0114-147	2	Spacer
53	8012-132	2	Screw, Cap-Lock
54	0103-099	2	Bushing
55	0114-124	1	Shock

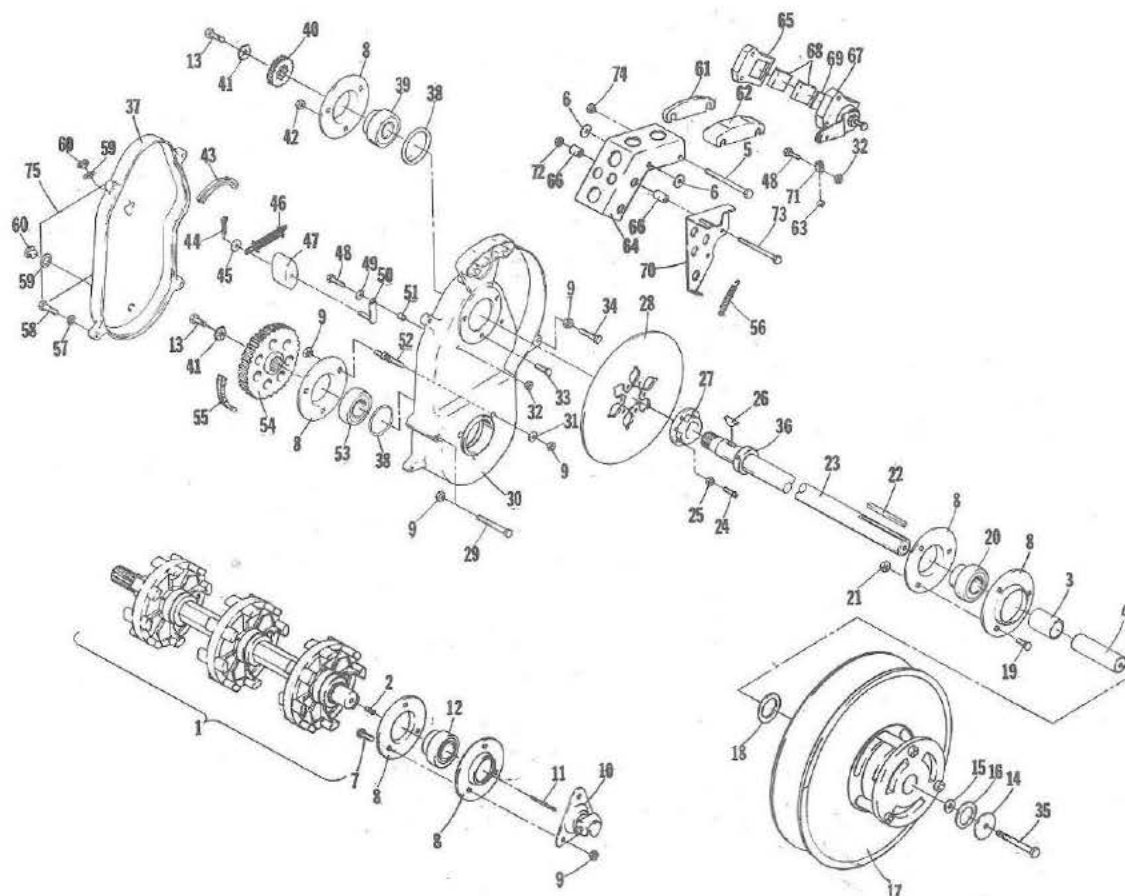


Undercarriage and Track

0700-270 (Cont'd)

Ref. No.	Part No.	Qty.	Description
56	0103-210	2	Bushing
57	0104-629	2	Spacer
58	8002-229	2	Screw, Cap
59	2272-037	2	Eyebolt
60	0114-110	1	Spring, Front-Right
	0114-111	1	Spring, Front-Left
61	0117-843	1	Arm, Front (Inc 62)
62	0104-386	4	•Bushing
63	8050-221	2	Washer
64	8002-048	1	Screw, Cap
65	8002-135	1	Screw, Cap
66	8070-285	2	Pin, Spring
67	0114-256	2	Roller, Front

Ref. No.	Part No.	Qty.	Description
68	0102-288	1	Track Assembly (Inc 69)
69	0102-255	92	•Clip, Guide
70	0114-240	4	Wheel, Idler (Inc 71 & 72)
71	0104-341	4	•Insert
72	0104-340	4	•Insert
73	0114-133	1	Axle
74	0114-148	1	Spacer
75	8002-132	4	Screw, Cap
76	0114-130	2	Washer, Rectangular
77	0114-253	2	Support
78	0114-132	2	Axle
79	0123-331	2	Washer
80	0104-780	1	Stop, Arm

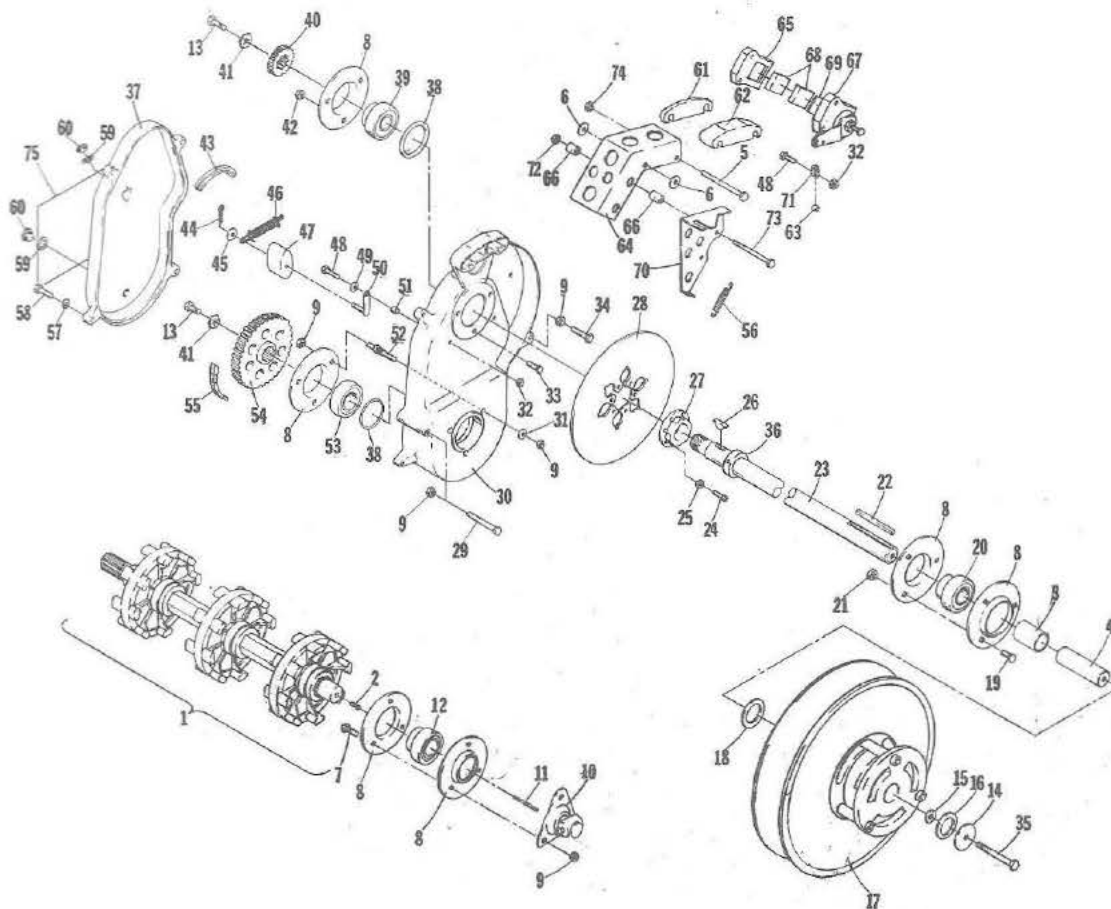


Drive Train

0700-383

Ref. No.	Part No.	Qty.	Description
1	0117-402	1	Track Drive (Inc 2)
2	0120-247	1	• Bushing, Drive
3	0148-230	1	Spacer
4	0148-231	1	Shaft, Stub
5	8002-231	2	Screw, Cap (F/A)
	8002-231	1	Screw, Cap (L/C)
	8002-233	1	Screw, Cap (L/C)
6	8050-277	2	Washer, Flat
7	8011-132	3	Bolt, Carriage
8	0107-026	6	Plate, Flange
9	8040-426	11	Nut, Lock
10	0120-284	1	Adaptor, Drive
11	0120-248	1	Cable
12	0107-074	1	Bearing
13	8012-131	2	Screw, Cap-Lock
14	0123-019	1	Washer
15	0123-053	AR	Washer
16	0123-578	AR	Washer
17	0226-037	1	Clutch, Driven (F/A)
	0226-036	1	Clutch, Driven (L/C)
18	0123-263	AR	Washer
19	8011-130	3	Bolt, Carriage (F/A)
	8011-132	1	Bolt, Carriage (L/C)
	8011-130	2	Bolt, Carriage (L/C)
20	0107-123	1	Bearing
21	8040-426	3	Nut, Lock (F/A)
	8041-426	1	Nut, Lock-Thin (L/C)
	8040-426	2	Nut, Lock (L/C)
22	0101-076	1	Key

Ref. No.	Part No.	Qty.	Description
23	0228-042	1	Shaft, Driven
24	8006-399	6	Screw, Cap-Socket
25	0123-430	6	Nut, Lock
26	0107-133	1	Key
27	0115-594	1	Hub
28	0115-252	1	Disc, Brake
29	8011-140	1	Bolt, Carriage
30	0107-509	1	Dropcase
31	8050-247	3	Washer
32	8041-366	3	Nut, Lock-Thin
33	0123-523	3	Bolt, Ribbed
34	8002-137	1	Screw, Cap
35	8012-142	1	Screw, Cap-Lock
36	0107-030	1	Collar, Lock
37	0107-747	1	Cover, Dropcase
38	0107-003	2	Seal
39	0107-223	1	Bearing 7/8"
40	0107-508	1	Sprocket 24T
41	0124-061	2	Washer, Pyramidal-Tooth
42	8041-426	3	Nut, Lock-Thin
43	0107-214	1	Seal
44	0123-082	2	Pin, Cotter
45	8050-212	2	Washer
46	0110-718	1	Spring Assembly
47	0107-228	2	Pad
48	8002-040	3	Screw, Cap
49	8050-217	2	Washer
50	0107-226	2	Pin/Link
51	0107-234	2	Bushing

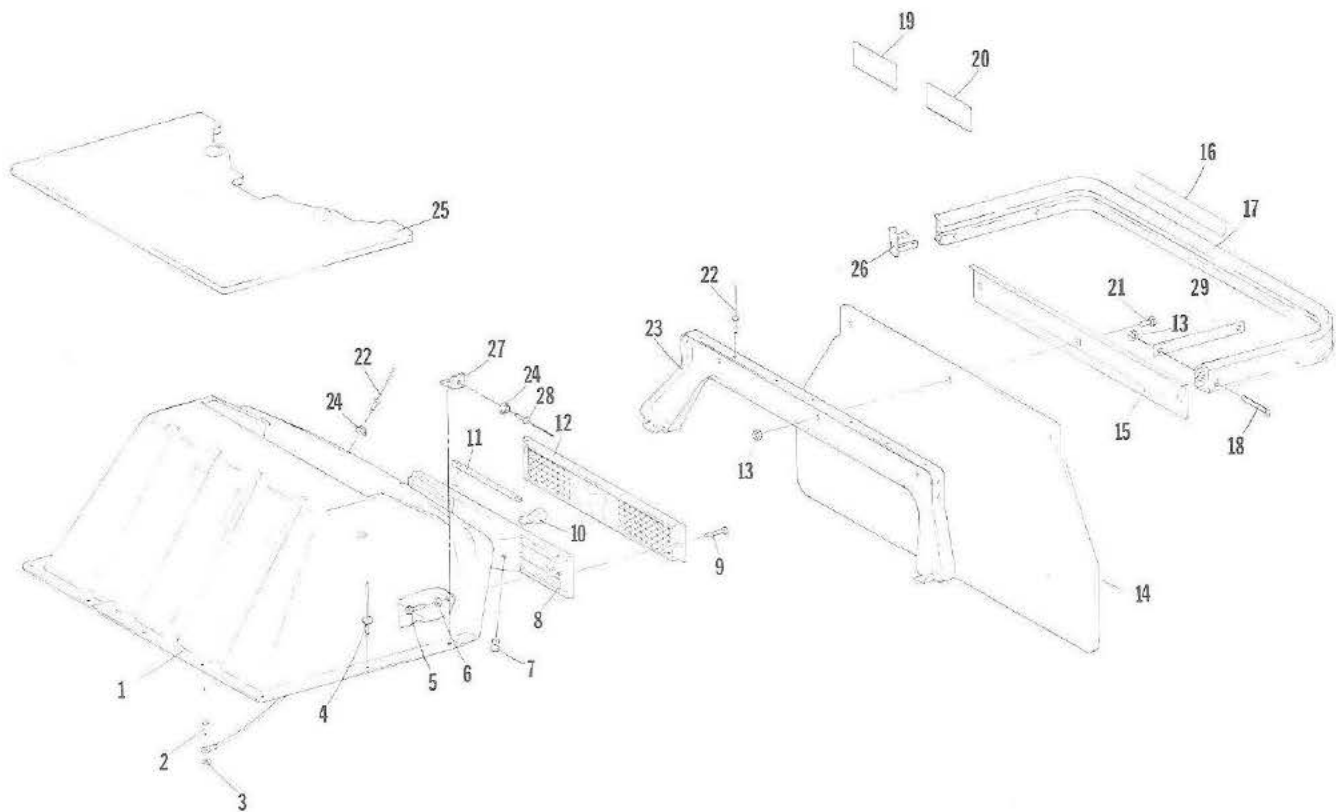


Drive Train

0700-383 (Cont'd)

Ref. No.	Part No.	Qty.	Description
52	0107-233	3	Stud
53	0107-224	1	Bearing
54	0107-220	1	Sprocket 39T
55	0107-372	1	Chain 72P
56	0115-602	1	Spring
57	8053-242	4	Washer, Ext. Lock
58	8002-132	4	Screw, Cap
59	0123-641	2	Washer, Fiber
60	0123-451	2	Plug
61	0115-586	1	Spacer .28
62	0115-587	1	Spacer 1.00
63	0109-592	1	Bushing
64	0115-583	1	Bracket

Ref. No.	Part No.	Qty.	Description
65	0115-584	1	Caliper
66	0115-585	4	Spacer
67	0115-588	1	Caliper Assembly
68	0115-603	2	Pad, Brake
69	0115-604	1	Plate
70	0115-610	1	Bracket
71	0115-630	1	Clevis
72	0124-060	2	Nut, Crown
73	0124-079	2	Screw, Cap
74	8040-486	2	Nut, Lock (F/A)
75	0124-060	2	Nut, Crown (L/C)
	0117-835	1	Tape

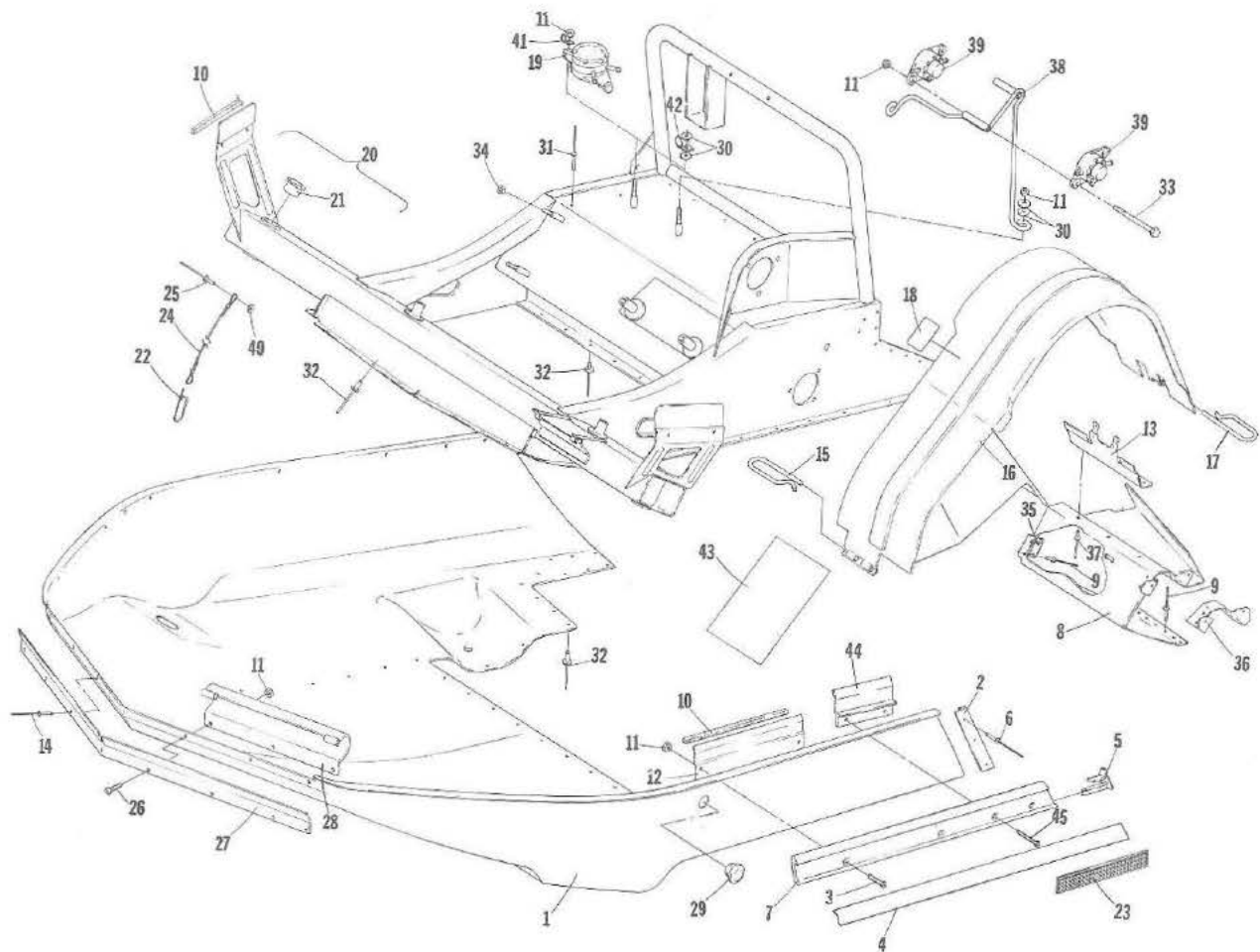


Toolbox and Rear Bumper

0700-377

Ref. No.	Part No.	Qty.	Description
1	0106-902	1	Toolbox
2	8060-486	1	Rivet
3	8052-122	1	Washer, Int. Lock
4	0123-251	13	Rivet
5	0123-661	2	Screw, Metal
6	0123-149	2	Washer
7	0117-056	2	Lens
8	0117-153	1	Housing
9	0123-920	2	Screw, Metal
10	0109-460	1	Bulb
11	0117-042	1	Gasket
12	0116-406	1	Lens
13	8040-366	7	Nut, Lock
14	0117-159	1	Snowflap
15	0106-914	1	Cap, Snowflap

Ref. No.	Part No.	Qty.	Description
16	0117-938	1	Strip, Bumper 25 FT.
17	0117-235	1	Bumper, Rear
18	0123-869	4	Screw, Machine
19	0212-133	1	Decal, French
20	0211-218	1	Decal "Towing Caution"
21	8011-070	3	Bolt, Carriage
22	8060-484	19	Rivet
23	0117-787	1	Plate, End
24	0116-074	8	Snap
25	0106-974	1	Pad, Toolbox
26	0117-128	1	End Cap-Right
	0117-129	1	End Cap-Left
27	0115-322	2	Bracket, Seat Snap
28	8060-244	2	Rivet
29	0115-331	2	Reinforcement, Bumper

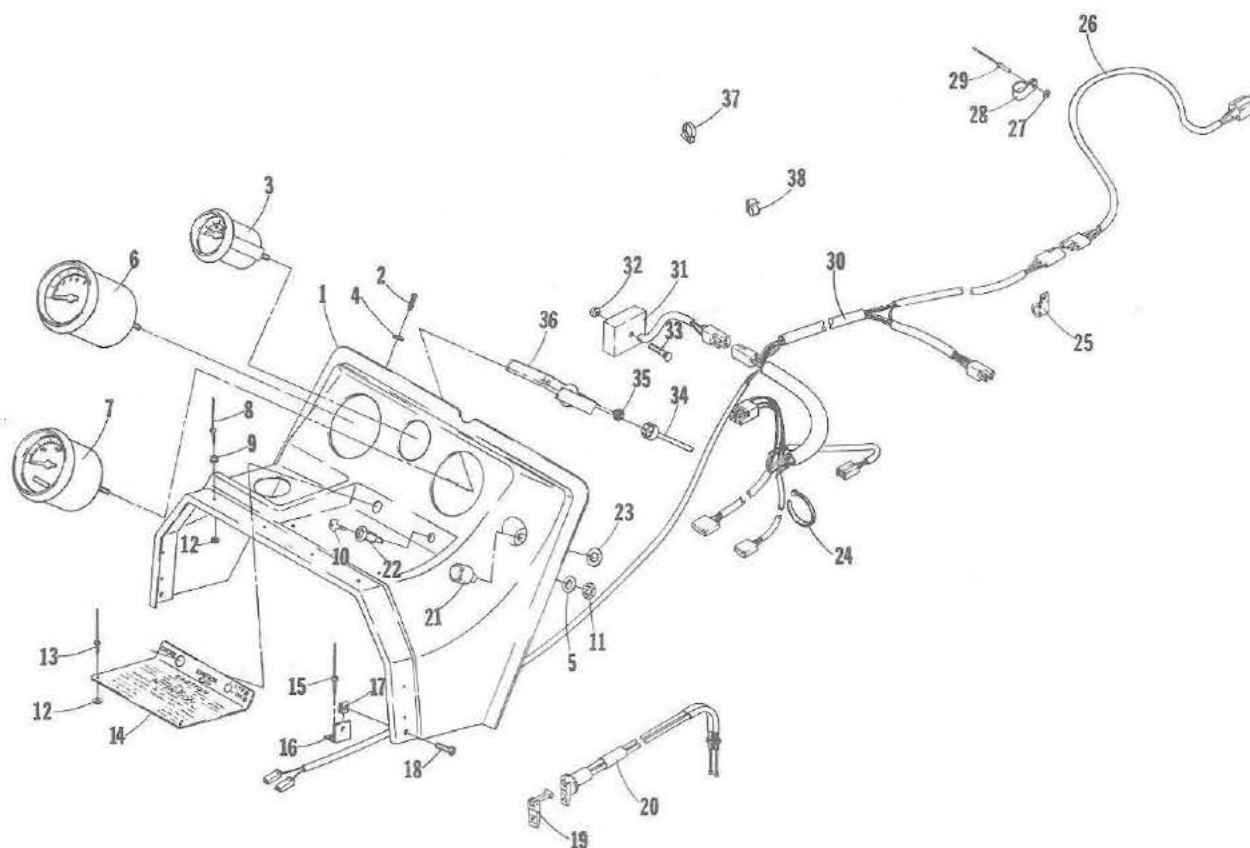


Belly Pan and Front Frame

0700-378

Ref. No.	Part No.	Qty.	Description
1	0106-877	1	Belly Pan (Inc 2)
2	0106-950	1	•Trim-Right
	0106-951	1	•Trim-Left
3	0123-869	13	Screw, Machine
4	0117-938	1	Strip, Bumper 25 Ft.
5	0106-960	1	End Cap-Right
	0106-961	1	End Cap-Left
6	8060-246	8	Rivet
7	0106-880	1	Bumper
8	0117-994	1	Footrest-Right
	0117-993	1	Footrest-Left
9	8060-686	64	Rivet
10	0106-931	6	Cushion, Hood
11	8040-366	22	Nut, Lock (F/A)
	8040-366	24	Nut, Lock (L/C)
12	0106-932	4	Channel, Hood
13	0107-769	1	Bracket
14	8060-704	4	Rivet
15	0123-866	1	Pin, Hitch
16	0107-961	1	Shield, Clutch (F/A)
	0107-953	1	Shield, Clutch (L/C)
17	0123-670	1	Pin, Hitch
18	0212-139	1	Decal, "Warning"
19	0109-638	1	Fuel Pump (F/A)
20	0117-937	1	Front Frame (Inc 21)
21	0105-303	4	•Bushing

Ref. No.	Part No.	Qty.	Description
22	0115-528	1	Hook, Cable
23	0117-856	2	Reflector, Amber
24	0115-595	1	Cable, Hood
25	8061-710	1	Rivet
26	8008-609	3	Screw, Machine
27	0116-868	1	Channel, Front
28	0106-994	1	Hinge
29	0116-511	1	Plug
30	8050-222	4	Washer, Flat (L/C)
31	8060-486	11	Rivet
	8060-486	7	Rivet
32	8061-686	70	Rivet
33	8002-052	2	Screw, Cap (L/C)
34	8041-366	2	Nut, Lock-Thin
35	0117-068	2	Gusset
36	0117-066	1	Bracket-Right
	0117-067	1	Bracket-Left
37	0123-784	3	Rivet
38	0112-621	1	Bracket, Fuel Pump (L/C)
39	0115-631	2	Fuel Pump (L/C)
40	8050-151	1	Washer, Flat
41	0123-806	1	Clamp (F/A)
42	0123-373	1	Clamp (L/C)
43	0212-172	1	Decal, Jet Chart (L/C)
44	0115-635	2	Channel, Hood
45	0123-190	4	Screw, Machine

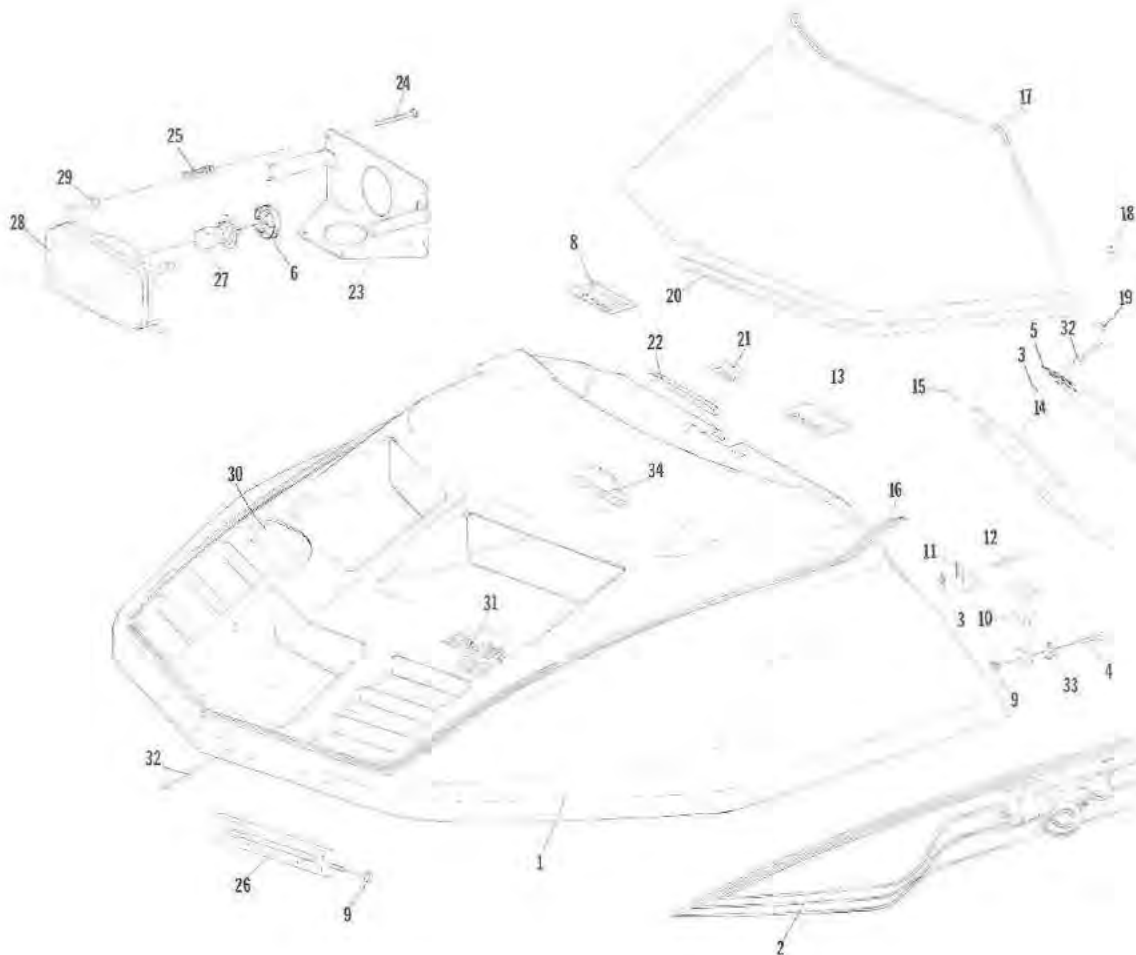


Console and Wiring

0700-379

Ref. No.	Part No.	Qty.	Description
1	0117-032	1	Console
2	0123-875	2	Screw, Mach.-Tapping
3	0120-476	1	Gauge, Temperature (L/C)
4	8050-151	2	Washer, Flat
5	0123-899	1	Washer, Int. Lock
6	0120-477	1	Tachometer
7	0120-475	1	Speedometer
8	8060-286	8	Rivet
9	0116-074	8	Snap
10	0115-300	2	Key
11	0123-900	1	Nut
12	0123-352	10	Washer
13	8060-266	2	Rivet
14	0212-169	1	Plate (F/A)
	0212-171	1	Plate (L/C)
15	8060-486	4	Rivet
16	0106-956	2	Bracket
17	0123-539	2	Nut, Speed
18	8008-607	2	Screw, Machine
19	0136-104	1	Choke Lever Kit

Ref. No.	Part No.	Qty.	Description
20	0187-047	1	Cable, Choke
21	0116-469	1	Bushing, Recoil
22	0117-045	1	Switch, Ignition
23	0123-579	1	Nut, Push
24	0123-788	AR	Tie, Cable
25	0123-806	1	Clamp, Cable
26	0109-927	1	Harness, Headlight (F/A)
	0109-426	1	Harness, Headlight (L/C)
27	0123-149	2	Washer
28	0123-397	2	Clamp
29	8060-430	2	Rivet
30	0232-022	1	Harness, Main
31	0232-014	1	Regulator, Voltage
32	8041-366	1	Nut, Lock-Thin
33	0123-697	1	Bolt, Ribbed
34	0120-478	1	Cable, Speedometer
35	0123-700	4	Nut, w/Washer
36	0120-480	2	Bracket
37	0510-055	1	Clamp
38	0123-394	1	Clip



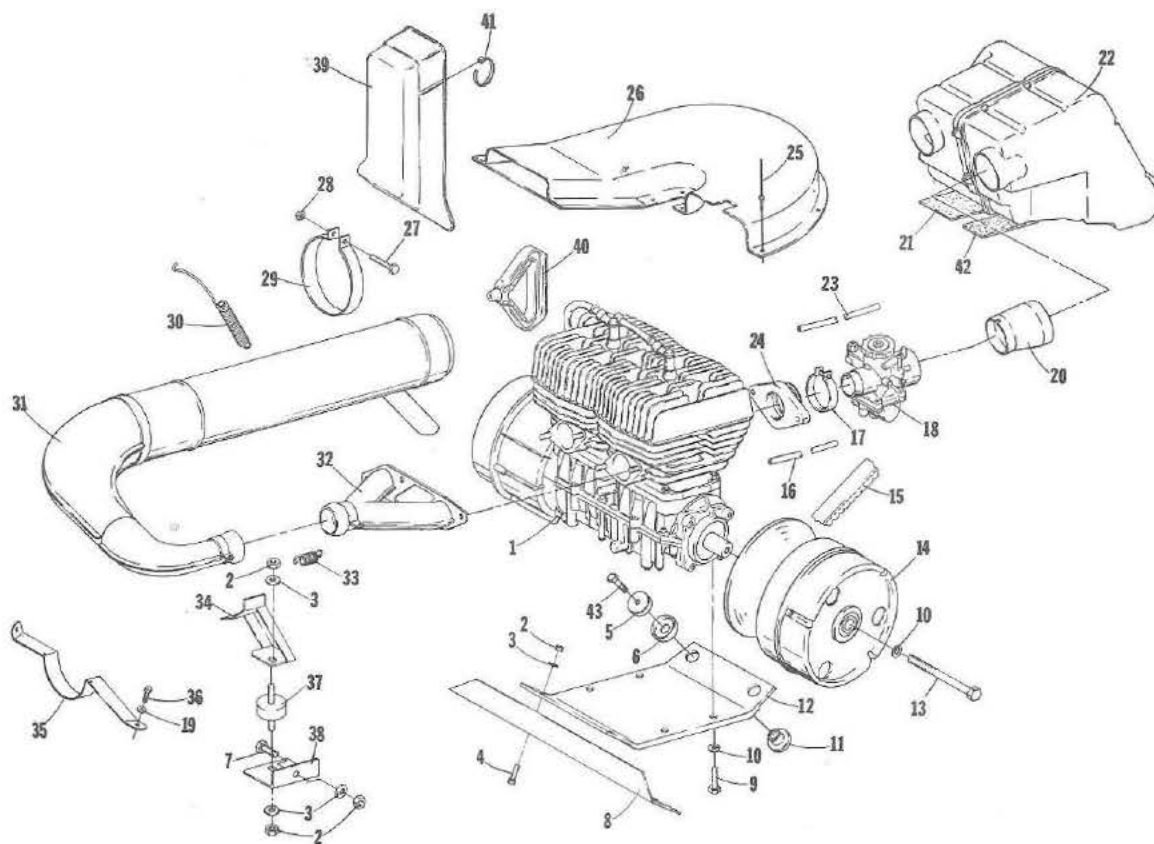
Hood

0700-380

*Not Illustrated

Ref. No.	Part No.	Qty.	Description
1	0218-188	1	Hood (F/A)
	0218-221	1	Hood (L/C)
2	0212-146	1	Decal, Hood-Right
	0212-147	1	Decal, Hood-Left
3	0123-149	4	Washer (F/A)
	0123-149	12	Washer (L/C)
4	8008-612	2	Screw, Machine
5	0115-632	2	Guard, Vent (L/C)
6	0115-285	1	Holder, Cap
7*	0115-611	1	Duct, Radiator (L/C)
	0115-377	1	Duct, Engine (L/C)
	0115-378	1	Duct, Clutch (L/C)
8	0212-155	1	Decal, "Hi-Perform." (L/C)
9	8040-366	3	Nut, Lock
10	0115-306	2	Strap
11	0115-307	2	Latch Cup
12	8060-588	4	Rivet
13	0212-154	1	Decal, "Caution"
14	0117-218	1	Vent-Right (F/A)
	0117-219	1	Vent-Left (F/A)
15	0123-596	6	Clip, Push (F/A)
16	0117-936	1	Pin Stripe 25 Ft.
17	0106-937	1	Windshield Assy
18	0123-010	8	Nut, Expansion
19	0123-549	8	Screw, Machine

Ref. No.	Part No.	Qty.	Description
20	0106-992	1	Strip-Right
	0106-993	1	Strip-Left
21	0212-153	1	Decal, Seating
22	0220-014	1	Trim, Hood
23	0106-920	1	Bracket (F/A)
	0106-921	1	Bracket (L/C)
24	0123-616	4	Screw, Adjusting (F/A)
	0124-055	4	Screw, Adjusting (L/C)
25	0123-614	4	Spring, Adjusting
26	0116-993	1	Hinge
27	0109-735	1	Bulb
28	0109-716	1	Housing (Inc 29)
29	0123-615	4	•Nut, Adjusting
30	0117-782	1	Insulation-Right (F/A)
	0117-783	1	Insulation-Left (F/A)
	0106-996	1	Insulation-Right (L/C)
	0106-997	1	Insulation-Left (L/C)
	0115-415	1	Insulation-Top (L/C)
	0117-076	1	Insulation-Top (F/A)
	0106-965	1	Insulation-Front (F/A)
31	0212-168	1	Decal "Arctic Cat"
32	8060-710	9	Rivet (F/A)
	8060-710	19	Rivet (L/C)
33	0123-765	2	Washer, Cup
34	0220-021	1	Trim



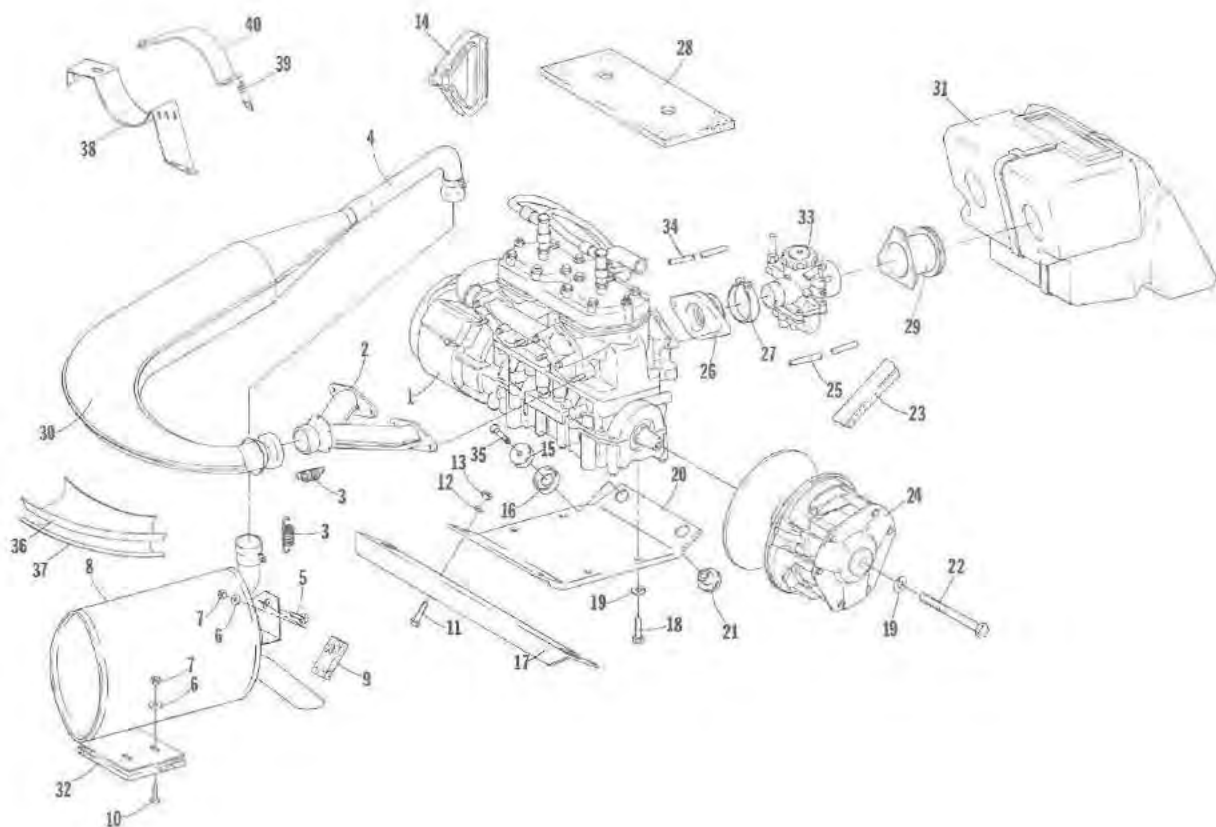
Engine and Related Parts

(Free Air)

0700-381

Ref. No.	Part No.	Qty.	Description
1	0162-217	1	Engine AD50F6
2	8040-486	5	Nut, Lock
3	8050-277	5	Washer
4	8002-222	2	Screw, Cap
5	0108-199	4	Mount, Female
6	0123-745	4	Washer, Cup
7	8002-220	1	Screw, Cap
8	0107-937	1	Support, Angle
9	8002-404	4	Screw, Cap
10	8051-332	5	Washer, Lock
11	0108-198	4	Mount, Male
12	0108-250	1	Plate, Engine
13	8004-416	1	Screw, Cap
14	0225-150	1	Clutch, Drive
15	0227-030	1	Belt, Drive
16	0210-600	AR	Hose, Impulse-100'
	0210-601	AR	Hose, Impulse-500'
17	0109-709	2	Clamp
18	0170-138	2	Carburetor VM32-119-A
19	8050-217	1	Washer
20	0115-062	2	Connector
21	0106-967	3	Foam
22	0115-066	1	Silencer

Ref. No.	Part No.	Qty.	Description
23	0210-501	AR	Hose, Gasline-100'
	0210-525	AR	Hose, Gasline-500'
24	0115-544	2	Flange
25	8060-486	8	Rivet
26	0115-145	1	Air Duct
27	0123-771	1	Screw, Cap
28	8040-366	1	Nut, Lock
29	0112-349	1	Clamp
30	0112-243	1	Spring
31	0112-544	1	Charger, Pulse
32	0112-481	1	Manifold
33	0123-321	2	Spring
34	0112-210	1	Bracket
35	0112-543	1	Bracket
36	8012-039	1	Screw, Cap Lock
37	0108-190	1	Mount, Rubber
38	0112-347	1	Bracket
39	0117-059	1	Deflector
40	0109-946	1	Handle "D"
41	0123-788	2	Tie, Cable
42	0106-966	1	Foam
43	8012-222	4	Screw, Cap Lock



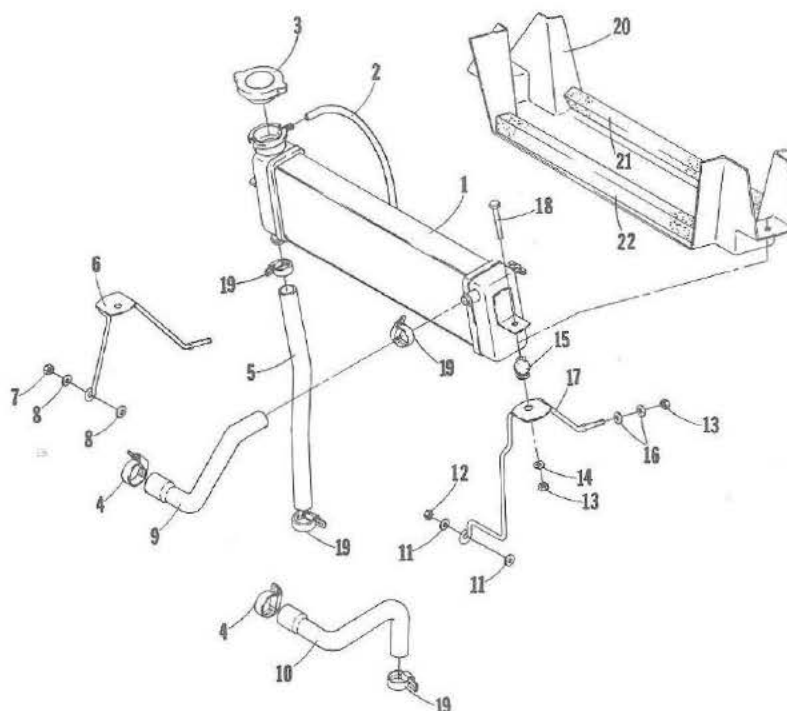
Engine and Related Parts

(Liquid Cooled)

0700-382

Ref. No.	Part No.	Qty.	Description
1	0162-212	1	Engine AH50L2
2	0112-616	1	Manifold, Exhaust
3	0123-321	4	Spring
4	0112-628	1	Tailpipe
5	8002-040	1	Screw, Cap
6	8050-217	3	Washer, Flat
7	8040-366	3	Nut, Lock
8	0112-573	1	Muffler
9	0112-578	1	Pad
10	8008-610	2	Screw, Machine
11	8002-222	2	Screw, Cap
12	8050-277	2	Washer, Flat
13	8040-486	2	Nut, Lock
14	0109-946	1	Handle "D"
15	0108-199	4	Mount, Female
16	0123-745	4	Washer, Cup
17	0107-937	1	Support, Angle
18	8002-404	4	Screw, Cap
19	8051-332	5	Washer, Lock
20	0108-250	1	Plate, Engine
21	0108-198	4	Mount, Male
22	0124-067	1	Screw, Cap

Ref. No.	Part No.	Qty.	Description
23	0227-032	1	Belt, Drive
24	0225-147	1	Clutch, Drive
25	0210-600	AR	Hose, Impulse-100'
	0210-601	AR	Hose, Impulse-500'
26	0170-033	2	Flange
27	0109-709	2	Clamp
28	0115-613	1	Foam
29	0115-425	2	Boot
30	0112-622	1	Chamber, Expansion
31	0115-360	1	Silencer
32	0123-870	1	Pad, Muffler
33	0170-135	2	Carburetor VM38-87
34	0210-501	AR	Hose, Gasline-100'
	0210-525	AR	Hose, Gasline-500'
35	8012-222	4	Screw, Cap-Lock
36	0112-624	1	Wrap-Upper
	0112-623	1	Wrap-Lower
37	0112-634	1	Cover, Wrap-Upper
	0112-635	1	Cover, Wrap-Lower
38	0112-612	1	Bracket, Pulse Charger
39	0112-217	1	Spring
40	0112-613	1	Strap, Bracket



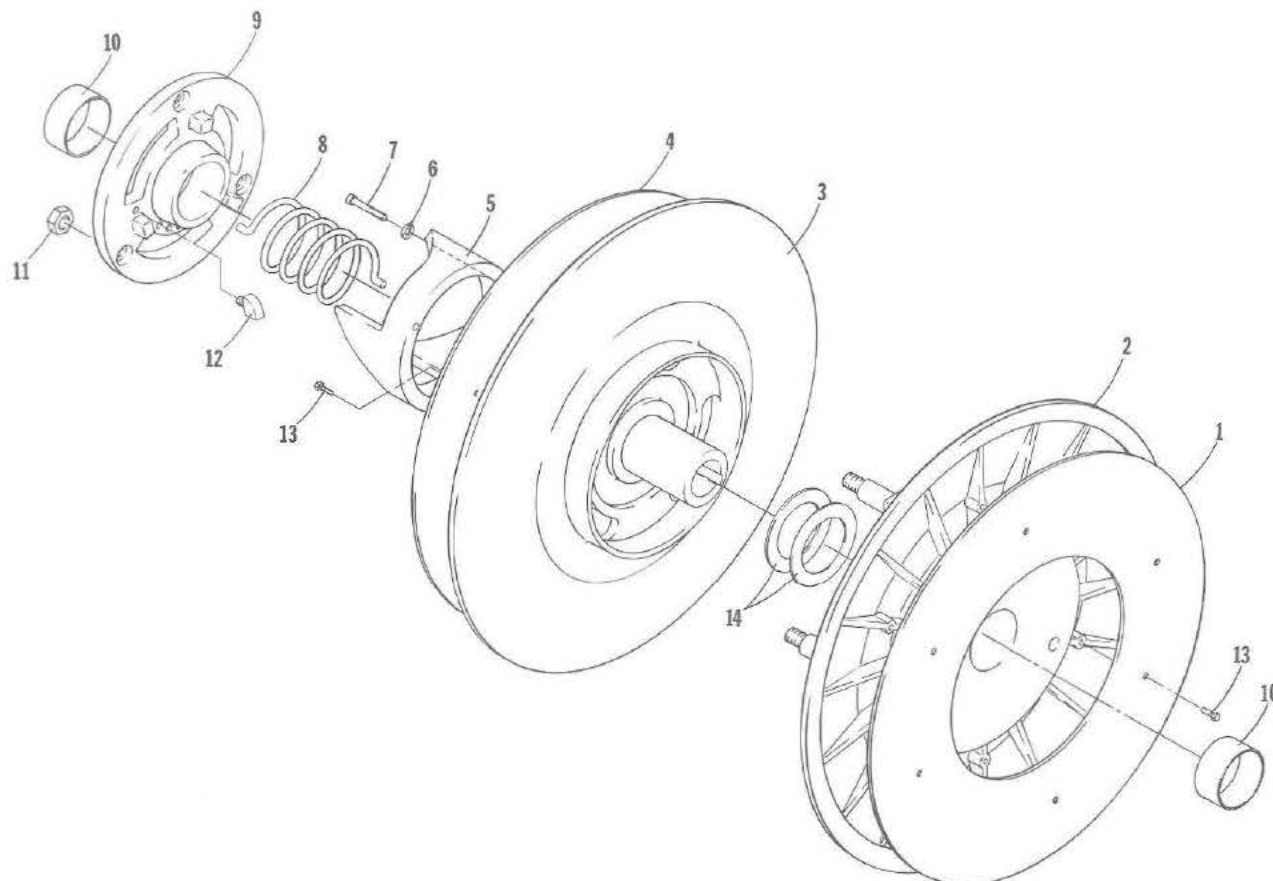
Cooling System

(Liquid Cooled)

0700-384

Ref. No.	Part No.	Qty.	Description
1	0115-649	1	Radiator
2	0210-602	AR	Hose-100'
	0210-603	AR	Hose-500'
3	0115-151	1	Cap, Radiator
4	0214-015	2	Clamp
5	0115-081	1	Hose
6	0115-609	1	Bracket-Right
7	8041-486	1	Nut Lock-Thin
8	8050-277	2	Washer, Flat
9	0115-082	1	Hose
10	0115-080	1	Hose
11	8050-272	2	Washer, Flat

Ref. No.	Part No.	Qty.	Description
12	8040-426	1	Nut, Lock
13	8040-366	4	Nut, Lock
14	8050-222	2	Washer, Flat
15	0123-868	2	Mount, Radiator
16	8050-212	4	Washer, Flat
17	0115-079	1	Bracket-Left
18	8002-044	2	Screw, Cap
19	0214-012	4	Clamp
20	0115-612	1	Air Duct-Lower
21	0115-614	1	Foam
22	0115-686	1	Foam



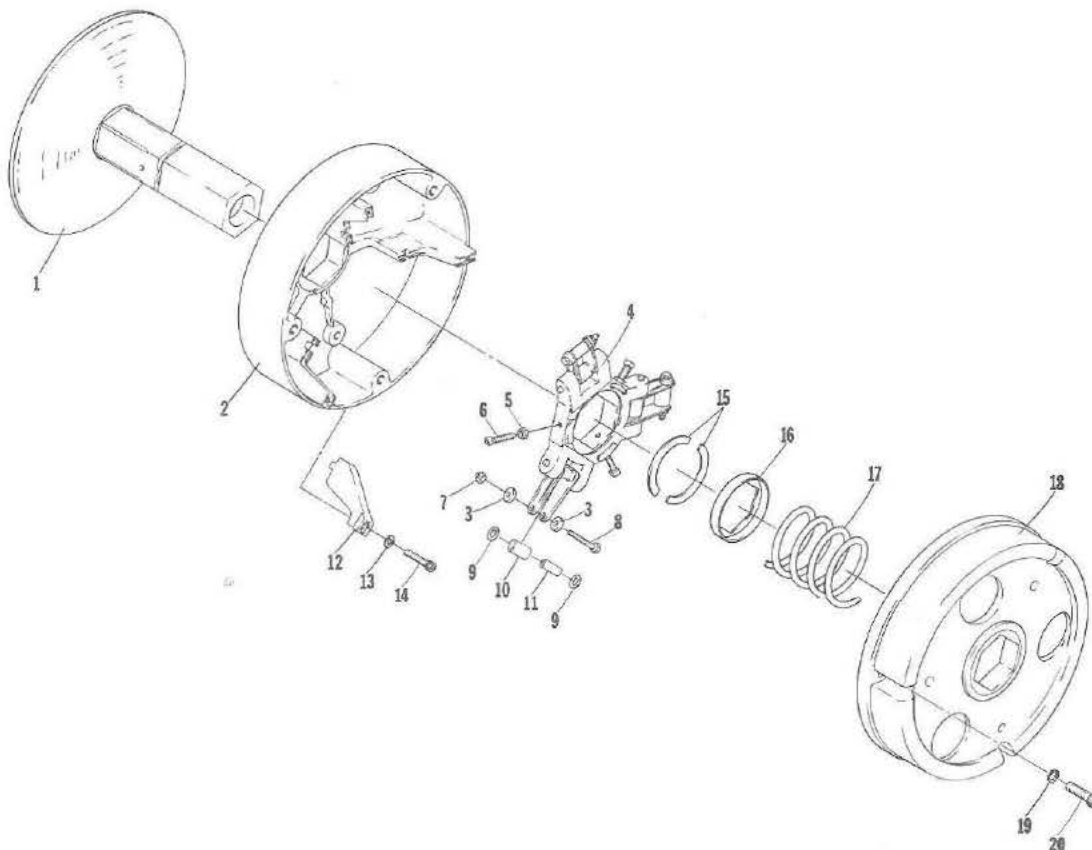
Driven Clutch

0700-386 Assy Part No. 0226-037 (Free Air)

Ref. No.	Part No.	Qty.	Description
1	0148-224	1	Cover, Movable Sheave
2	0148-188	1	Sheave, Movable
3	0148-187	1	Sheave, Stationary
4	0148-225	1	Cover, Stationary Sheave
5	0148-180	1	Bracket, Torque
6	8051-152	3	Washer, Lock
7	8005-404	3	Screw, Cap-Socket
8	0148-176	1	Spring
9	0148-179	1	Bracket, Retainer
10	0148-175	2	Bearing
11	8040-426	3	Nut, Lock
12	0148-177	3	Button
13	0124-031	12	Screw
14	0148-198	1	Washer T: .030
	0148-199	2	Washer T: .060

Assy Part No. 0226-036 (Liquid Cooled)

Ref. No.	Part No.	Qty.	Description
1	0148-224	1	Cover, Movable Sheave
2	0148-188	1	Sheave, Movable
3	0148-233	1	Sheave, Stationary
4	0148-225	1	Cover, Stationary Sheave
5	0148-222	1	Bracket, Torque
6	8051-152	3	Washer, Lock
7	8005-405	3	Screw, Cap-Socket
8	0148-227	1	Spring
9	0148-234	1	Bracket, Retainer
10	0148-175	2	Bearing
11	8040-426	3	Nut, Lock
12	0148-177	3	Button
13	0124-031	12	Screw
14	0148-199	2	Washer T: .060



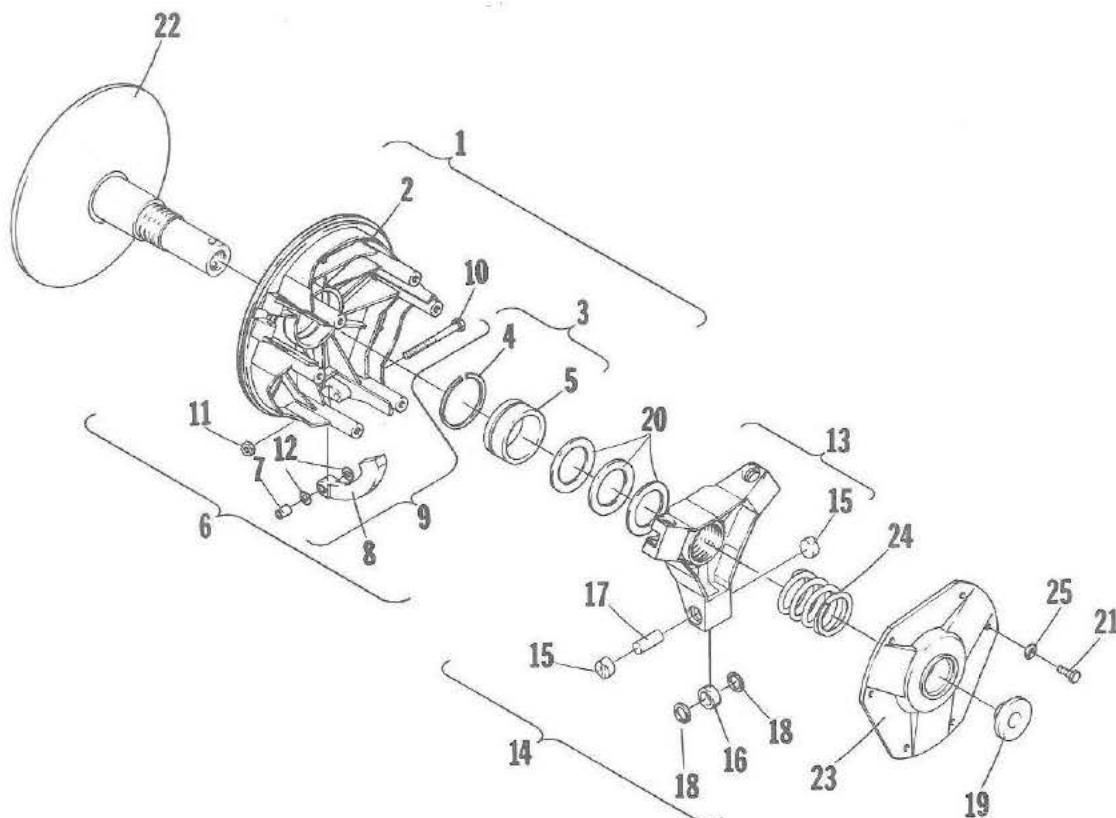
Drive Clutch

Assy Part No. 0225-150 (Free Air)

0700-363

Ref. No.	Part No.	Qty.	Description
1	0146-517	1	Sheave, Stationary
2	0146-204	1	Sheave, Movable
3	0146-279	6	Weight
4	0146-484	1	Spider Assy (Inc 4-11)
5	8042-246	3	•Nut
6	0123-622	3	•Screw, Set
7	0123-430	3	•Nut, Lock
8	0146-146	3	•Pin
9	0146-522	6	•Washer
10	0146-421	3	•Roller Assembly

Ref. No.	Part No.	Qty.	Description
11	0146-425	3	•Bushing
12	0146-414	3	Ramp
13	8051-123	3	Washer, Lock
14	8005-341	3	Screw, Cap
15	0146-212	2	Ring, Split
16	0146-267	1	Washer, Cup
17	0146-068	1	Spring
18	0146-392	1	Housing
19	8052-242	3	Washer, Lock
20	8005-611	3	Screw, Cap



Drive Clutch

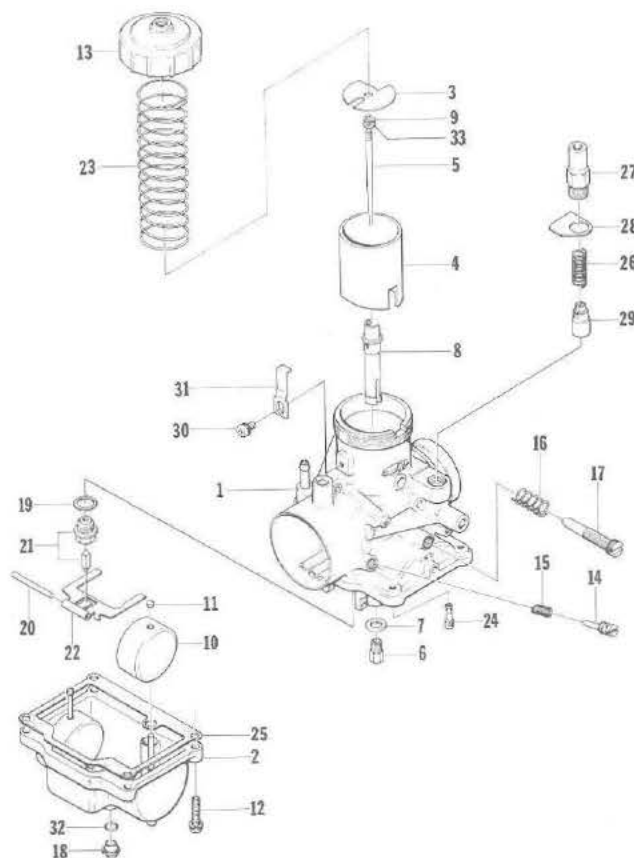
0700-396

*Not a Service Part

Assy Part No. 0225-147 (Liquid Cooled)

Ref. No.	Part No.	Qty.	Description
1	0136-295	1	Movable Sheave Kit (Inc 2-12)
2	0136-296	1	•Sheave Movable
3	0136-222	1	•Bushing Kit (Inc 4 & 5)
4	*	1	••Ring, Retaining
5	*	1	••Bushing
6	0136-298	1	•Cam Arm Kit (Inc 7-12)
7	0136-300	1	••Bearing Kit
8	*	3	••Arm, Cam
9	0136-297	1	••Pin Arm Kit (Inc 10-12)
10	*	3	•••Pin, Arm
11	*	3	•••Nut, Lock
12	*	6	•••Washer

Ref. No.	Part No.	Qty.	Description
13	0136-293	1	Spider Kit (Inc 14-18)
14	0136-229	1	•Roller Kit (Inc 15-18)
15	0136-224	1	••Button Kit
16	*	3	••Roller
17	*	3	••Pin
18	*	6	••Washer, Fiber
19	0136-227	1	Washer, Pilot
20	0136-294	1	Spacer Ring Kit
21	0146-536	6	Screw, Cap
22	0136-299	1	Fixed Face & Post
23	0136-234	1	Plate, Cover
24	0136-292	1	Spring, Green/Yellow
25	0146-558	6	Washer, Lock



Carburetor

0700-395

*Not a Service Part

VM32-119-A Assy Part No. 0170-138 (Free Air)

Ref. No.	Part No.	Qty.	Description
1	*	1	Mixing Body Assy
2	6505-189	1	Float Chamber
3	6505-001	1	Plate
4	6505-439	1	Piston Valve CA 3.0
5	6505-215	1	Jet Needle 6DH7-3
6**	6505-067	1	Main Jet No. 230
7	6505-006	1	Washer
8	6505-260	1	Needle Jet Q-0 159
9	6505-008	1	E-Ring
10	6505-009	2	Float
11	6505-010	2	Cap
12	6505-014	4	Screw, w/Spring Washer
13	6505-018	1	Top, Mixing Body
14	6505-019	1	Screw, Pilot Air
15	6505-020	1	Spring, Pilot Air
16	6505-021	1	Spring, Throttle Stop
17	6505-101	1	Screw, Throttle Stop

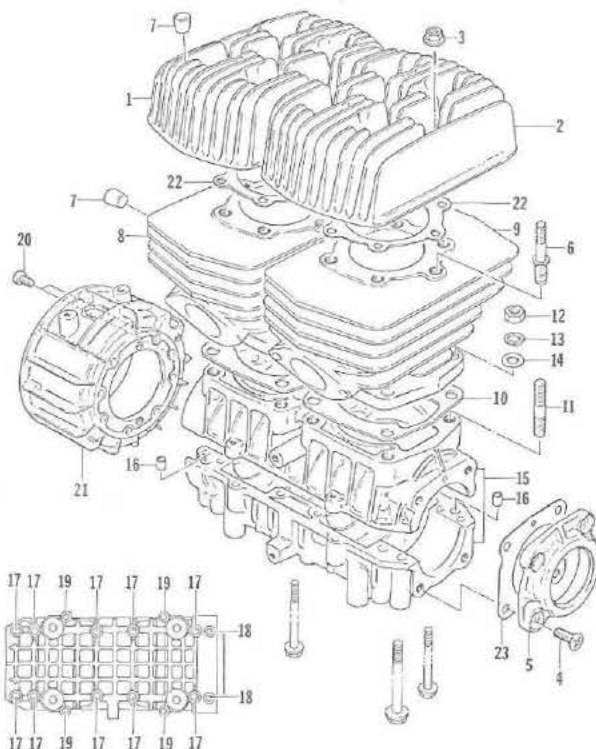
Ref. No.	Part No.	Qty.	Description
18	6505-184	1	Screw, Drain
19	6505-024	1	Washer
20	6505-153	1	Pin, Float
21	6505-160	1	Needle Valve Assy No. 1.5
22	6505-027	1	Arm, Float
23	6505-031	1	Spring, Piston Valve
24	6505-310	1	Pilot Jet No. 22.5
25	6505-030	1	Gasket
26	6505-033	1	Spring, Starter Plunger
27	6505-188	1	Cap, Starter Plunger
28	6505-187	1	Washer
29	6505-035	1	Starter, Plunger
30	6505-036	1	Screw, w/Spring Washer
31	6505-186	1	Plate
32	6505-243	1	O-Ring
33	6505-437	1	Washer, E-Ring

** Break-in Jets



VM38-87 Assy Part No. 0170-135 (Liquid Cooled)

Ref. No.	Part No.	Qty.	Description
19	6505-193	1	Washer
20	6505-033	1	Spring
21	6505-035	1	Plunger
22	6505-280	2	Tube, Air Vent
23	6505-019	1	Screw, Air
24	6505-020	1	Spring, Air Screw
25	6505-073	1	Pilot Jet 30
26	6505-153	1	Pin, Float Arm
27	6505-191	1	Plate
28	6505-199	1	Guide, Screw
29	**	1	Main Jet
30	6505-010	2	Cap
31	6505-049	2	Float
32	6505-121	1	Chamber, Float
33	6505-112	1	Washer, Plug
34	6505-198	1	Plug, Drain
35	6505-008	1	E-Ring
36	<u>6505-437</u>	1	Washer, E-Ring
			**Alternate Main Jets See Chart on Page 33



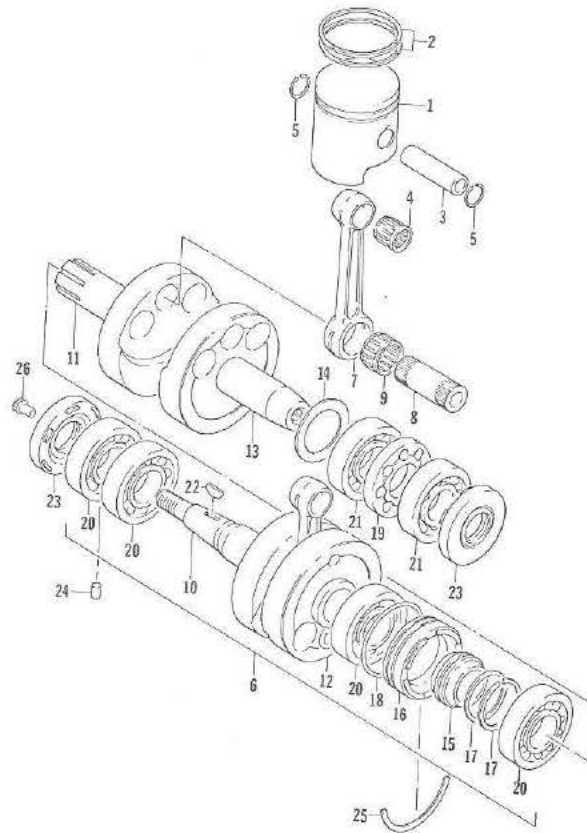
Crankcase and Cylinder

(Free Air)

0720-162

Ref. No.	Part No.	Qty.	Description
1	3002-578	1	Cylinder Head-Right
2	3002-579	1	Cylinder Head-Left
3	3013-232	12	Nut, Flange
4	3002-128	4	Screw
5	3002-190	1	Housing
6	3002-020	12	Bolt, Stud
7	3002-055	51	Pad
8	3002-581	1	Cylinder-Right
9	3002-582	1	Cylinder-Left
10	3002-367	2	Gasket, Cylinder
11	3002-021	8	Bolt, Stud
12	3002-871	8	Nut

Ref. No.	Part No.	Qty.	Description
13	3000-565	8	Washer, Lock
14	3002-017	8	Washer
15	3002-946	1	Crankcase Assy (Inc 16-19)
16	3002-012	2	•Pin, Dowel
17	3002-930	10	•Bolt
18	3002-931	2	•Bolt
19	3002-916	4	•Bolt
20	3002-127	8	Screw
21	3002-560	1	Case, Magneto
22	3002-580	2	Gasket, Head
23	3002-191	1	Gasket



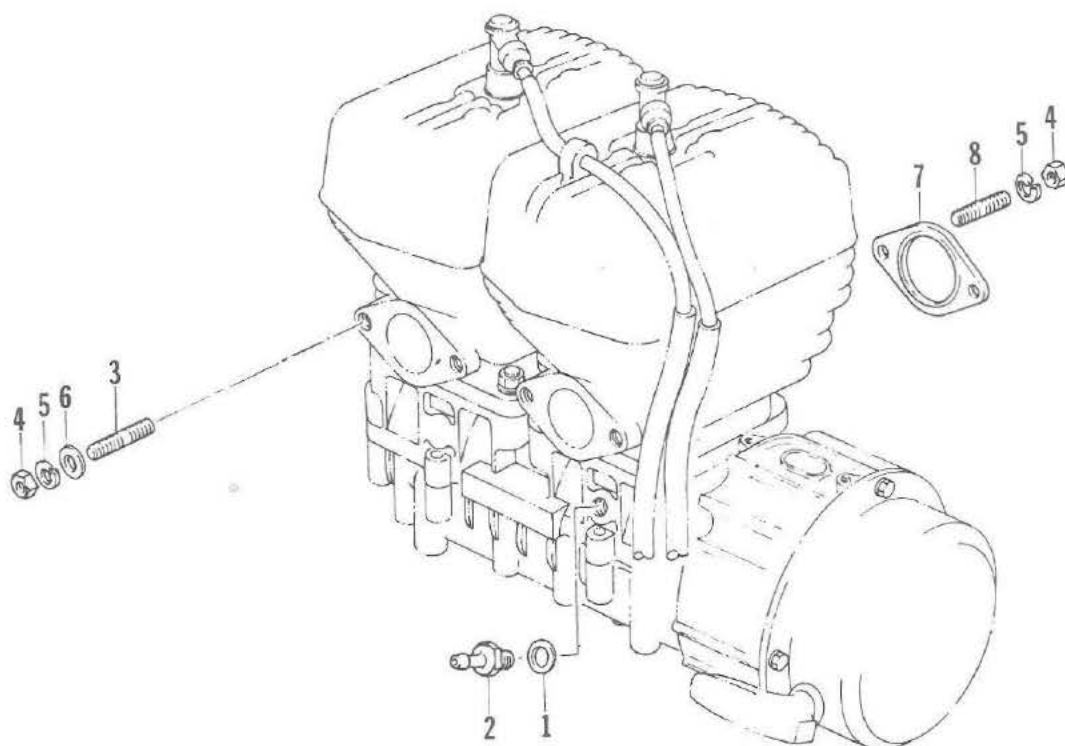
Piston and Crankshaft

(Free Air)

0720-163

Ref. No.	Part No.	Qty.	Description
1	3002-856	2	Piston
2	3002-324	2	Ring Assembly
3	3002-647	2	Pin
4	3002-162	2	Bearing
5	3002-163	4	Circlip
6	3002-947	1	Crankshaft Assy (Inc 7-21)
7	3002-166	2	• Rod
8	3002-173	2	• Pin
9	3002-035	2	• Bearing
10	3002-532	1	• Crankshaft-Right
11	3002-533	1	• Crankshaft-Center
12	3002-534	1	• Wheel
13	3002-536	1	• Crankshaft-Left

Ref. No.	Part No.	Qty.	Description
14	3002-025	1	• Washer-Left
15	3002-096	1	• Race
16	3002-097	1	• Retainer
17	3002-098	2	• Ring-Center
18	3002-036	1	• O-Ring
19	3002-193	1	• Spacer
20	3002-165	4	• Bearing
21	3002-624	2	• Bearing
22	3002-018	1	Key
23	3002-717	2	Seal, Oil
24	3002-013	6	Pin, Dowel
25	3002-043	1	C-Ring
26	3002-721	1	Bushing, Tachometer



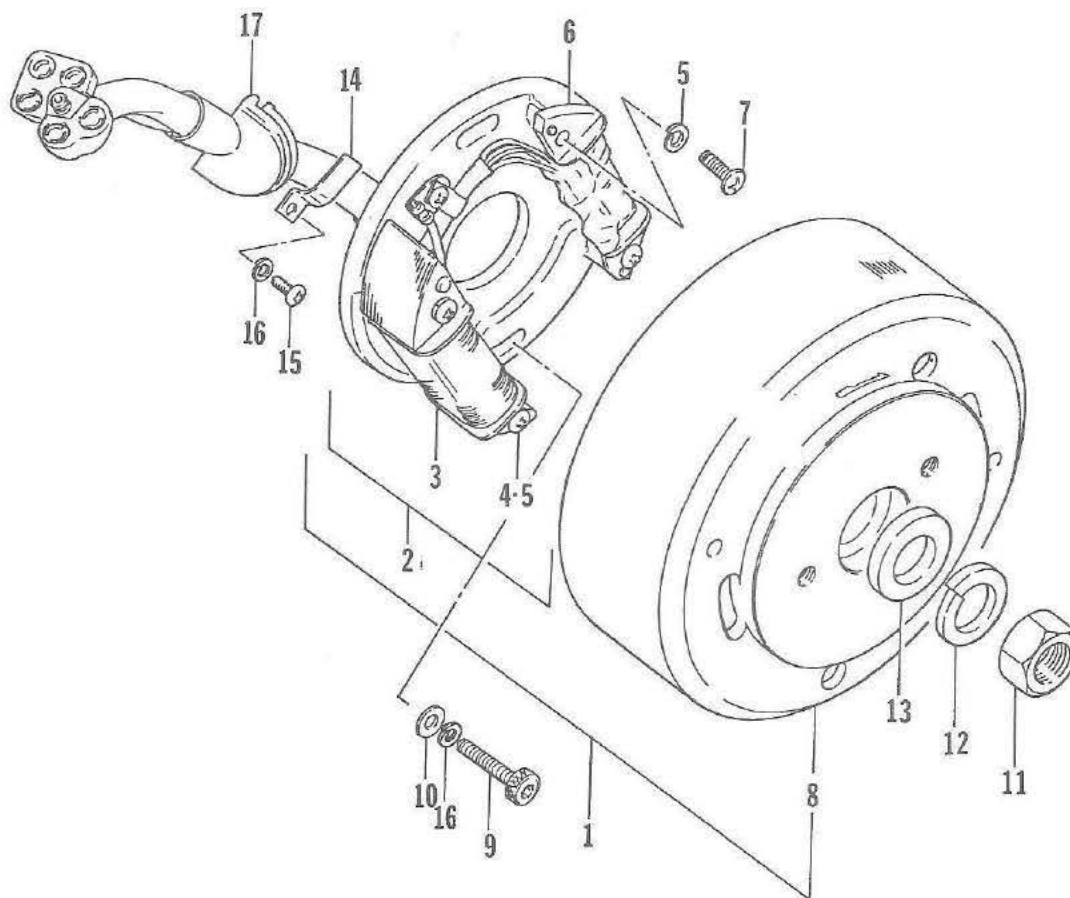
Insulators

(Free Air)

0720-088

Ref. No.	Part No.	Qty.	Description
1	3002-276	1	Gasket
2	3002-040	1	Union
3	3000-242	4	Bolt, Stud
4	3002-709	8	Nut

Ref. No.	Part No.	Qty.	Description
5	3000-044	8	Washer, Lock
6	3000-102	4	Washer
7	3002-172	2	Gasket, Exhaust
8	3000-242	4	Bolt, Stud



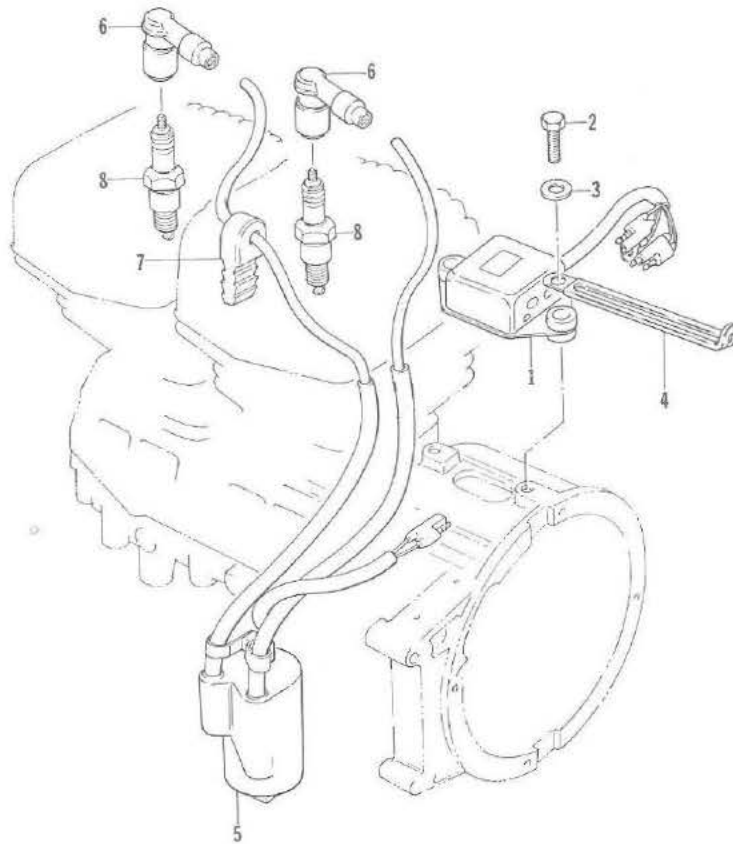
Magneto

(Free Air)

0720-164

Ref. No.	Part No.	Qty.	Description
1	3002-810	1	Magneto Assy (Inc 2 & 8)
2	3002-811	1	•Stator Assy (Inc 3-7)
3	3002-268	1	••Coil, Lighting
4	3012-095	2	••Screw
5	3000-104	4	••Washer, Lock
6	3002-823	1	••Coil, Primary
7	3010-015	2	••Screw
8	3002-812	1	•Rotor
9	3002-281	2	Screw

Ref. No.	Part No.	Qty.	Description
10	3002-282	2	Washer, Flat
11	3002-641	1	Nut
12	3000-264	1	Washer, Lock
13	3002-023	1	Washer
14	3002-317	1	Clamp
15	3000-727	1	Screw
16	3000-104	3	Washer, Lock
17	3002-585	1	Grommet



Electrical

(Free Air)

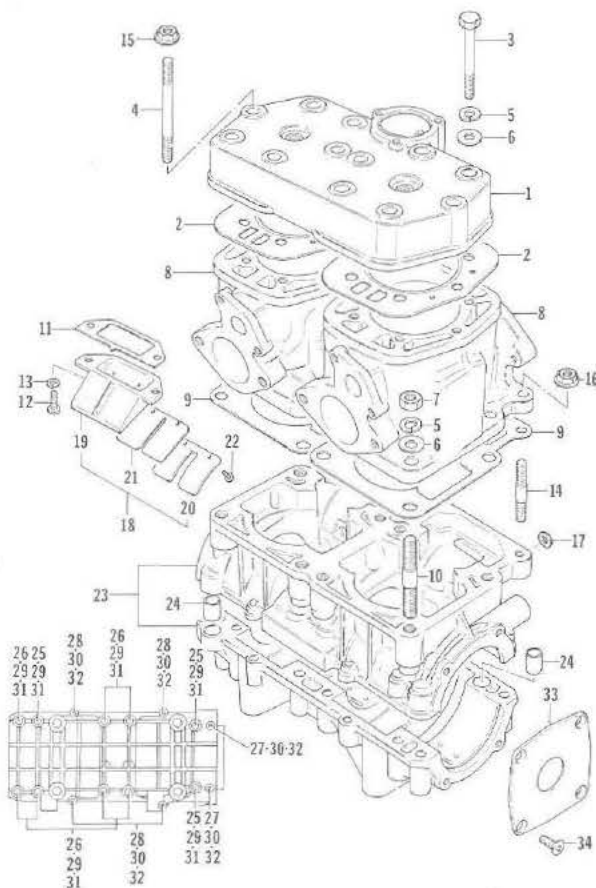
0720-125

Ref. No.	Part No.	Qty.	Description
1	3002-813	1	C.D. Unit
2	3002-627	2	Bolt
3	3002-022	2	Washer
4	3002-718	1	Clamp

Ref. No.	Part No.	Qty.	Description
5	3002-625	1	Coil Assy, Ignition
6	3002-613	2	Cap Assembly
7	3002-290	1	Protector
8	0217-035	2	Spark Plug, BR-9ES



Ref. No.	Part No.	Qty.	Description
11	3000-565	1	• Washer, Lock
12	3002-303	1	• Nut
13	3000-453	1	• Rope, Starter
14	3002-109	1	• Emblem
15	3002-300	1	• Case, Recoil
16	3002-705	3	Bolt
17	3002-259	4	Bolt
18	3000-105	4	Washer, Lock
19	3002-257	1	Pully, Starter



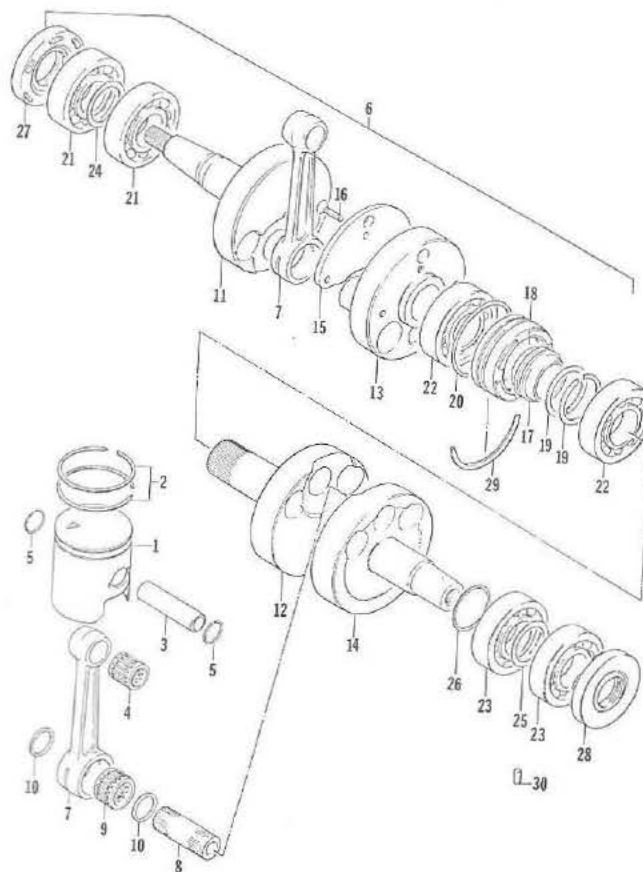
Crankcase and Cylinder

(Liquid Cooled)

0720-166

Ref. No.	Part No.	Qty.	Description
1	3002-869	1	Head, Cylinder
2	3002-926	2	Gasket, Head
3	3002-637	8	Bolt
4	3002-588	4	Bolt, Stud
5	3000-565	16	Washer, Lock
6	3002-017	16	Washer
7	3002-871	8	Nut
8	3002-872	2	Cylinder
9	3002-368	2	Gasket, Cylinder
10	3002-021	8	Bolt, Stud
11	3002-602	2	Gasket
12	3002-349	4	Screw
13	3000-105	4	Washer, Lock
14	3002-006	4	Bolt, Stud
15	3002-857	4	Nut
16	3013-232	4	Nut
17	3002-276	2	Gasket

Ref. No.	Part No.	Qty.	Description
18	3002-873	2	Reed Valve Assy (Inc 19-22)
19	3002-600	2	•Seat
20	3002-547	2	•Stopper
21	3002-548	2	•Reed Valve
22	3002-550	4	•Screw
23	3002-948	1	Crankcase Assy (Inc 24-32)
24	3002-027	2	•Knock Pin
25	3002-636	3	•Bolt
26	3002-635	7	•Bolt
27	3002-633	2	•Bolt
28	3002-632	4	•Bolt
29	3000-044	10	•Washer, Lock
30	3000-105	6	•Washer, Lock
31	3000-102	10	•Washer
32	3000-261	6	•Washer
33	3002-874	1	Plate
34	3010-018	4	Screw



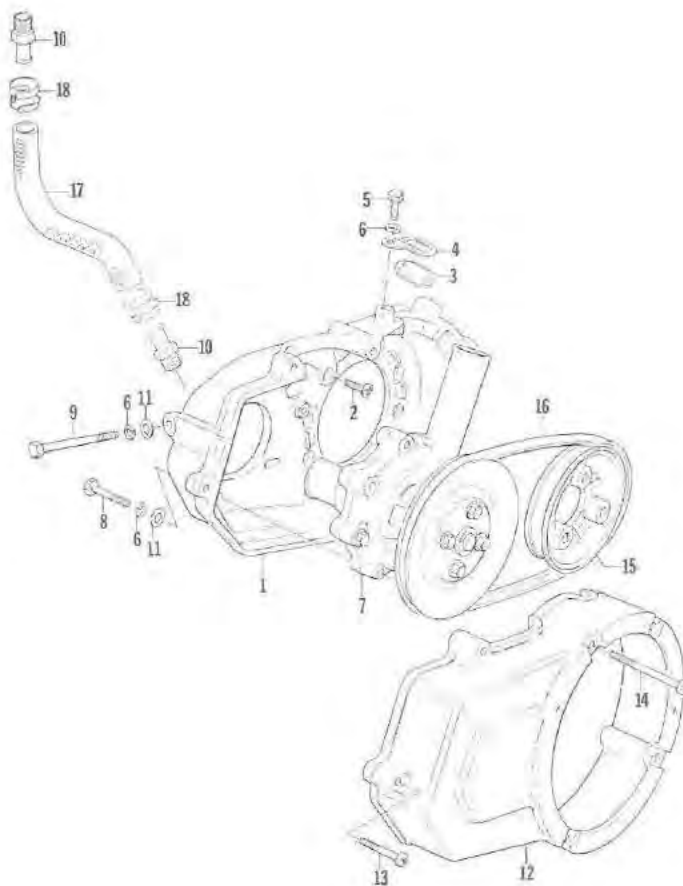
Piston and Crankshaft

(Liquid Cooled)

0720-138

Ref. No.	Part No.	Qty.	Description
1	3002-876	2	Piston
2	3002-324	2	Ring Assembly
3	3002-858	2	Pin
4	3002-644	2	Bearing
5	3002-163	4	Circlip
6	3002-949	1	Crankshaft Assy (Inc 7-26)
7	3002-597	2	•Rod
8	3002-409	1	•Pin
9	3002-950	2	•Bearing
10	3002-590	4	•Washer
11	3002-878	1	•Crankshaft-Right
12	3002-879	1	•Crankshaft-Center
13	3002-880	1	•Wheel
14	3002-881	1	•Crankshaft-Left
15	3002-882	1	•Balancer

Ref. No.	Part No.	Qty.	Description
16	3002-127	3	•Screw
17	3002-420	1	•Race-Inner
18	3002-421	1	•Retainer
19	3002-098	2	•Ring-Center
20	3002-406	1	•O-Ring
21	3002-165	2	•Bearing
22	3002-403	2	•Bearing
23	3002-404	2	•Bearing
24	3002-177	1	•Shim
25	3011-777	1	•Shim
26	3002-402	1	•Washer
27	3002-717	1	Oil Seal-Right
28	3002-355	1	Oil Seal-Left
29	3002-356	1	C-Ring
30	3002-013	6	Pin, Dowel



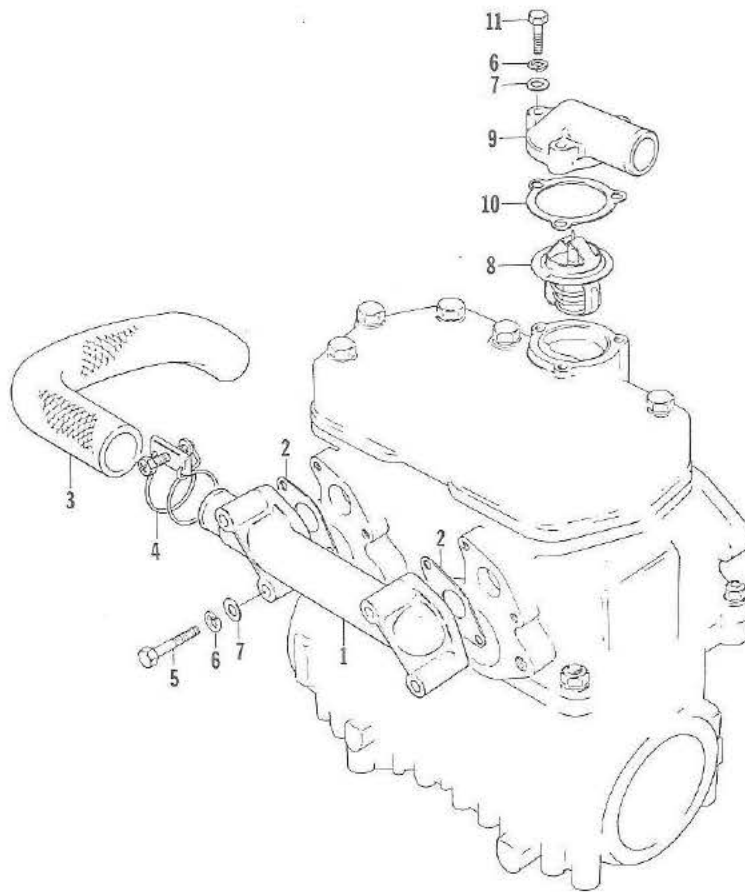
Water Pump

(Liquid Cooled)

0720-091

Ref. No.	Part No.	Qty.	Description
1	3002-595	1	Case, Magneto
2	3002-127	8	Screw
3	3002-314	1	Cap
4	3002-323	1	Fix Plate
5	3002-666	1	Bolt
6	3000-105	5	Washer, Lock
7	3002-604	1	Pump Assembly
8	3002-630	4	Bolt
9	3010-765	1	Bolt

Ref. No.	Part No.	Qty.	Description
10	3002-218	2	Union
11	3000-261	5	Washer
12	3002-603	1	Cover
13	3002-735	3	Screw
14	3002-589	4	Screw
15	3002-883	1	Pulley
16	3002-606	1	Belt
17	3002-609	1	Hose
18	3002-220	2	Clamp



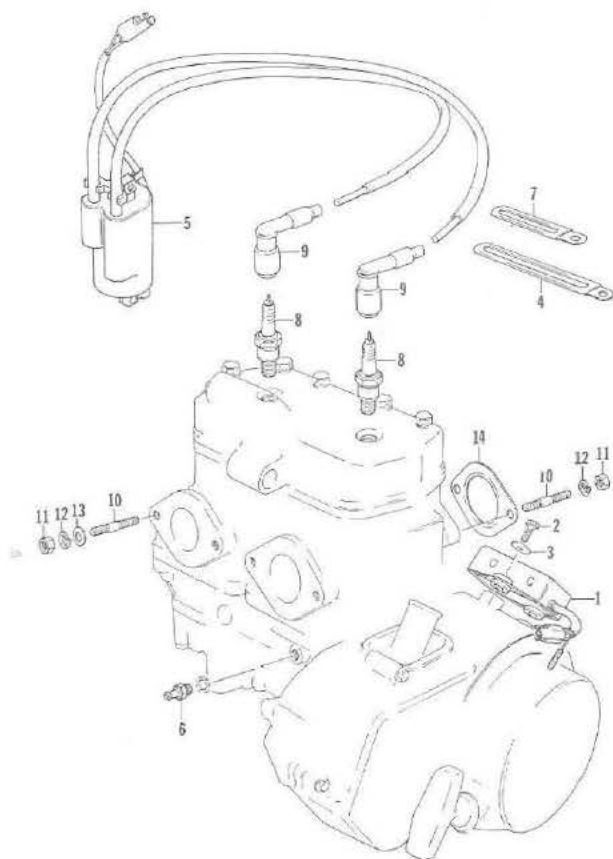
Water Intake Manifold

(Liquid Cooled)

0720-139

Ref. No.	Part No.	Qty.	Description
1	3002-737	1	Manifold
2	3002-231	2	Gasket
3	3002-608	1	Hose
4	3002-951	2	Clamp
5	3002-631	4	Bolt
6	3000-105	7	Washer, Lock

Ref. No.	Part No.	Qty.	Description
7	3000-261	7	Washer
8	3002-713	1	Thermostat
9	3002-607	1	Cap
10	3002-215	1	Gasket
11	3002-629	3	Bolt



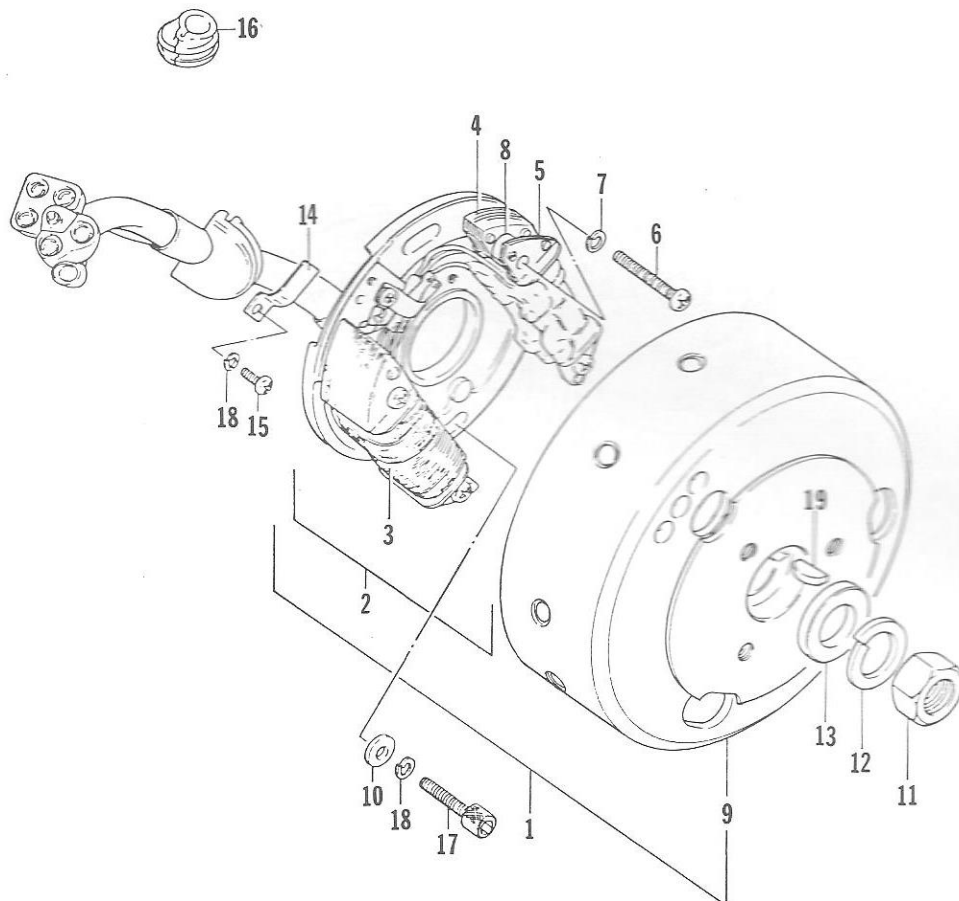
Electrical

(Liquid Cooled)

0720-167

Ref. No.	Part No.	Qty.	Description
1	3002-884	1	C.D. Unit
2	3002-627	2	Bolt
3	3002-022	2	Washer
4	3002-718	1	Clamp
5	3002-885	1	Coil Assembly
6	3002-040	2	Union
7	3011-218	1	Clamp

Ref. No.	Part No.	Qty.	Description
8	0217-041	2	Spark Plug BR10-EV
9	3002-613	2	Cap Assembly
10	3000-242	8	Bolt, Stud
11	3002-709	8	Nut
12	3000-044	8	Washer, Lock
13	3000-102	4	Washer
14	3002-172	2	Gasket



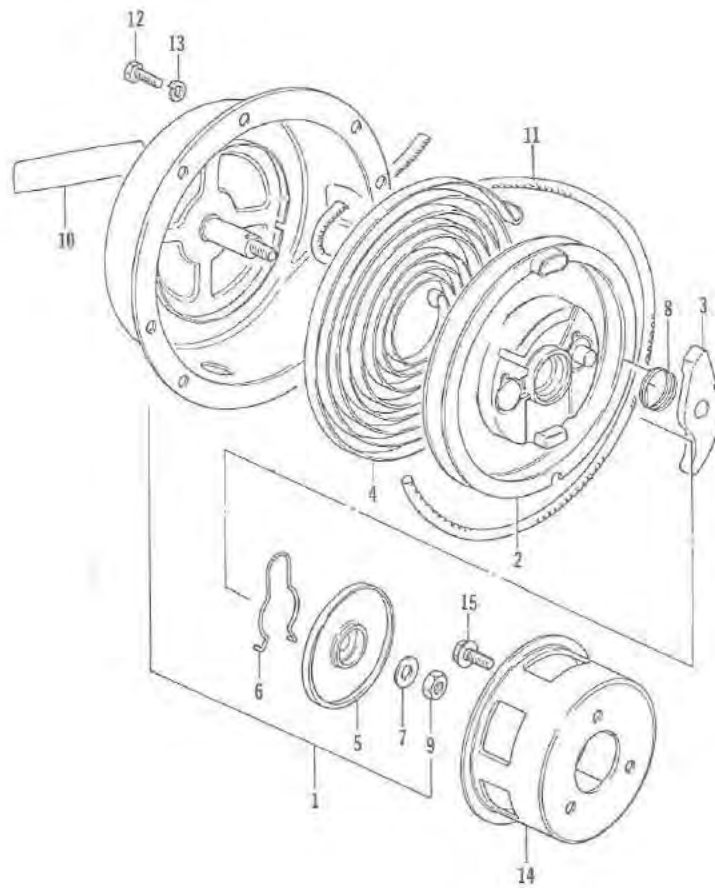
Magneto

(Liquid Cooled)

0720-141

Ref. No.	Part No.	Qty.	Description
1	3002-886	1	Magneto Assy (Inc 2 & 9)
2	3002-887	1	● Stator Assy (Inc 3-8)
3	3002-888	1	●● Coil, Lighting
4	3002-889	1	●● Coil, Primary B
5	3002-199	1	●● Coil, Primary A
6	3012-095	4	●● Screw
7	3000-104	4	●● Washer, Lock
8	3002-201	2	●● Spacer
9	3002-890	1	● Rotor
10	3002-282	2	Washer

Ref. No.	Part No.	Qty.	Description
11	3002-641	1	Nut
12	3000-264	1	Washer, Lock
13	3002-023	1	Washer
14	3002-317	1	Clamp
15	3000-727	1	Screw
16	3002-575	1	Grommet
17	3002-281	2	Screw
18	3000-104	3	Washer, Lock
19	3002-018	1	Key



Recoil Starter

(Liquid Cooled)

0720-152

Ref. No.	Part No.	Qty.	Description
1	<u>3002-918</u>	1	Starter Assy (Inc 2-11)
2	<u>3002-919</u>	1	• Roller, Starter
3	<u>3002-920</u>	1	• Ratchet
4	<u>3002-921</u>	1	• Spring
5	<u>3002-922</u>	1	• Plate, Drive
6	<u>3002-923</u>	1	• Spring
7	<u>3002-017</u>	1	• Washer
8	<u>3002-924</u>	1	• Spring

Ref. No.	Part No.	Qty.	Description
9	<u>3002-303</u>	1	• Nut
10	<u>3002-109</u>	1	• Emblem
11	<u>3000-453</u>	1	Rope, Starter
12	<u>3000-259</u>	4	Bolt
13	<u>3000-105</u>	4	Washer, Lock
14	<u>3002-934</u>	1	Pulley, Starter
15	<u>3002-906</u>	3	Bolt

Main Jet Chart

(Liquid Cooled)

ALTITUDE		MAIN JET	PART NO.	MAIN JET	PART NO.	MAIN JET	PART NO.	MAIN JET	PART NO.
FEET	METERS								
8000	2440	310	6505-136	290	6505-123	270	6505-069	250	6505-068
6000	1830	340	6505-076	320	6505-074	300	6505-128	280	6505-080
4000	1220	370	6505-072	350	6505-071	330	6505-070	310	6505-136
2000	610	400	6505-124	380	6505-077	360	6505-038	340	6505-076
0	0	430	6505-146	410	6505-212	390	6505-078	370	6505-072
Temperature	Fahrenheit	- 40° to - 20°		- 20° to 0°		0° to + 20°		+ 20° to + 40°	
	Celsius	- 40° to - 29°		- 29° to - 18°		- 18° to - 7°		- 7° to + 4°	

Related Items for 1981 El Tigre

Part No.	Description
0134-914	Chainlube (24 cans/case)
0134-123	Purple Powerlube 20:1 mix (24/32 oz. cans) L/C and F/A
0136-026	Arctic Cat Spirit Oil 50:1 mix (24/16 oz. cans) F/A
0134-971	RTV Sealant-Silicone Gasket (3 oz. tube)
0350-846	Carbide Skag Kit
0136-141	Arctic Carbide Ice Studs
0136-136	Temperature Gauge Kit (F/A)
0120-360	Send. Unit for 0136-136 Kit
0136-291	Hitch Kit
0136-260	High Altitude Kit (L/C)
0136-259	High Altitude Kit (F/A)
0134-675	Rear View Mirror
0134-664	Compass Deck Mount
0350-949	Saddle Bag
0136-206	High Windshield
0156-067	Tool Kit (Inc Strap and Plug)
0144-121	•Strap, Emergency Starter
0230-023	•Plug, By-Pass
0136-200	Safari Rack
0136-087	Safari Rack Tote Bag
0136-178	Safari Rack Hitch Kit
0352-028	Cover, Machine
0352-031	Cover, Machine w/Safari Rack
2254-171	Manual, Operator's
2254-149	Handbook, Safety
0132-105	Gasket Compound Hylomar PL32 (100 Grams)