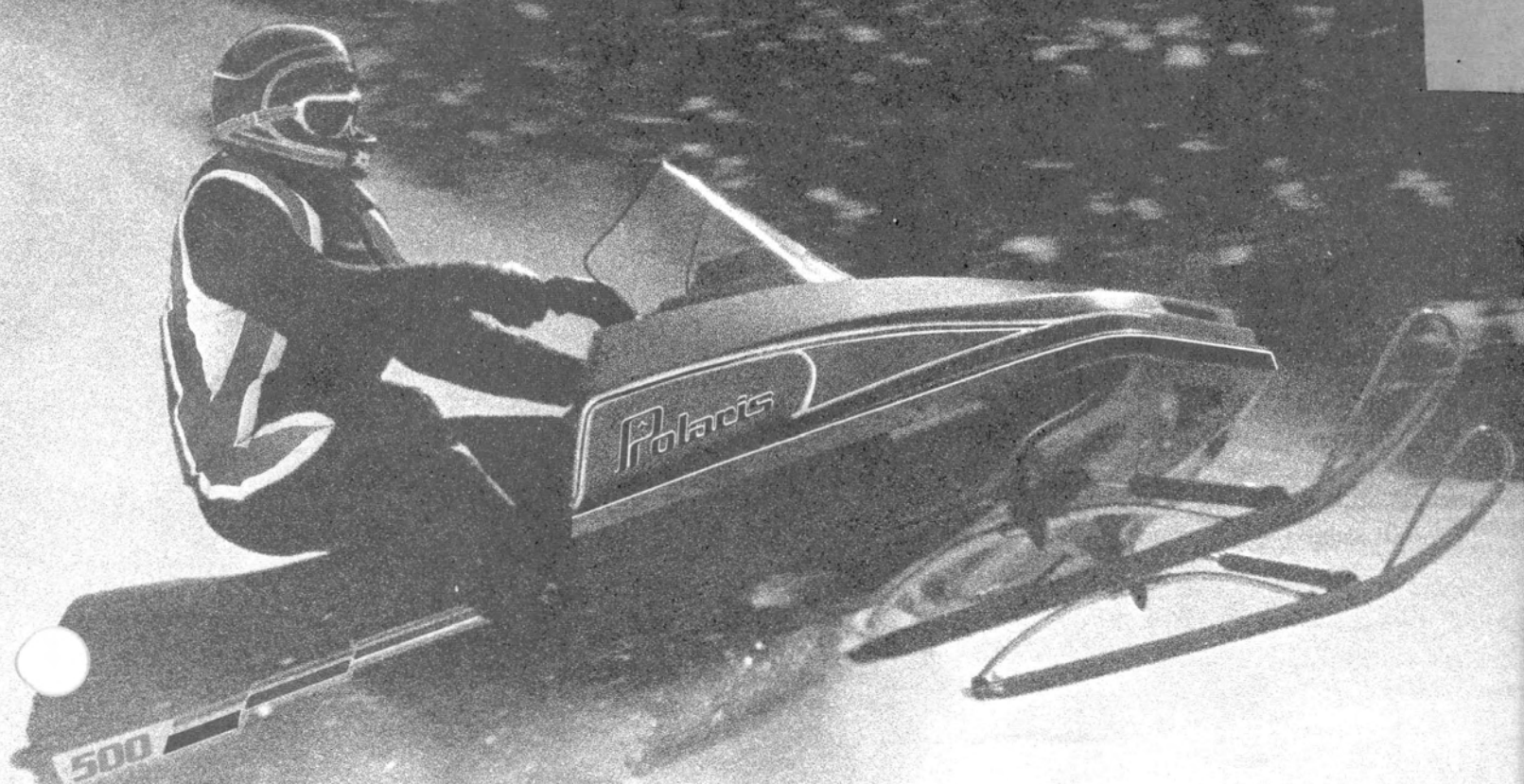




1979 Polaris
Parts Manual
Gemini, Apollo 340

Polaris **TEXTRON**

Polaris E-Z-Go Division of Textron Inc.

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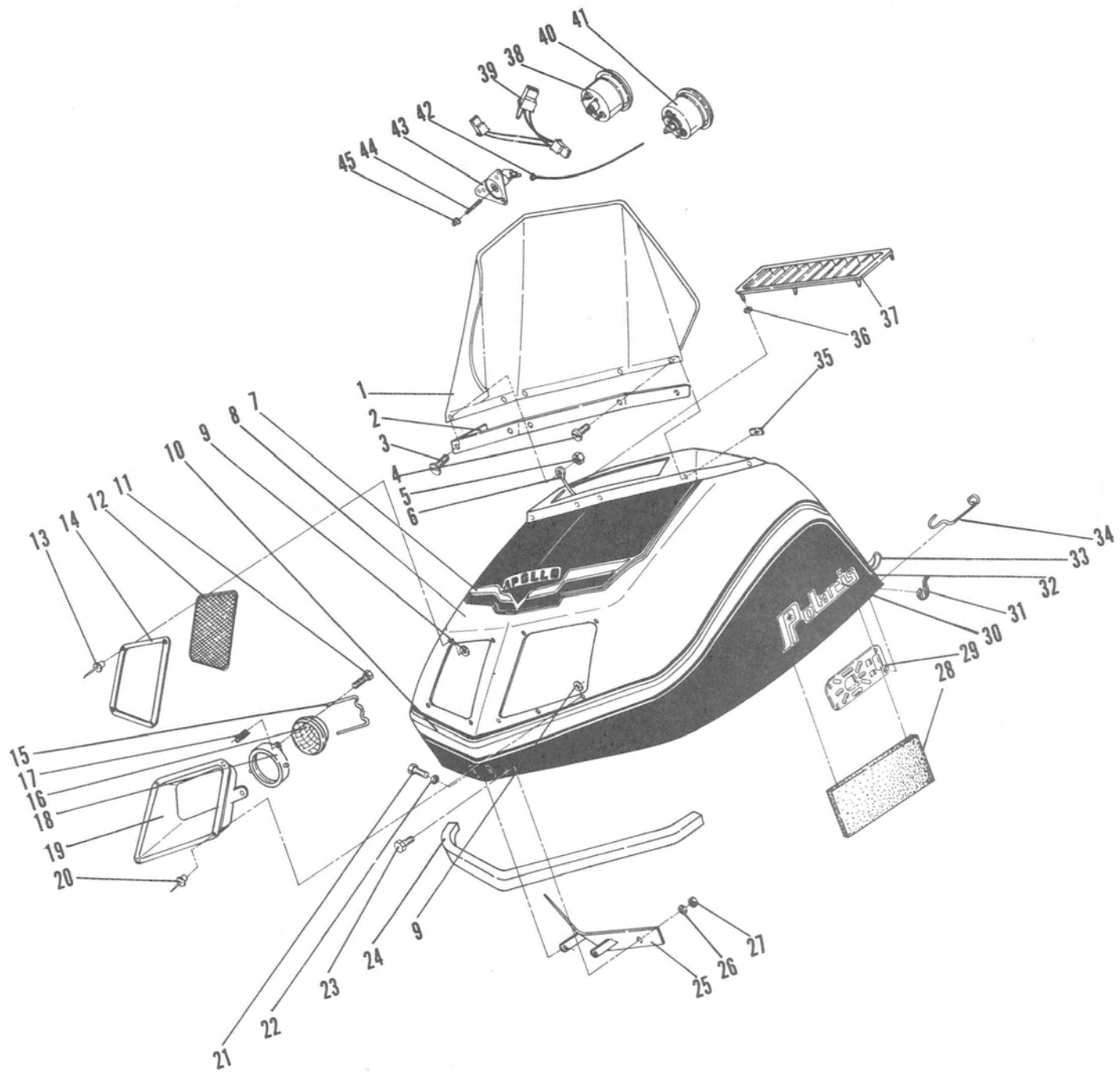
HOOD ASSEMBLY

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	5430525	Windshield	1	1
2	5850039	Windshield Band	1	1
3	7511844	Screw	1	1
4	7511837	Screw	5	5
5	7541915	Nut	1	1
6	7080191	Hood Retainer Cable	1	1
7	7071553	Hood Top Decal	1	
	7071560	Hood Top Decal		1
8	2631175	Hood Asm. (Incl. 8,10,23,25,26,27,30 & 32)	1	1
9	7555709	Rivet Burr	10	10
10	7071549	Front Stripe Decal	1	1
	7071550	R.H. Stripe Decal	1	1
	7071551	L.H. Stripe Decal	1	1
11	7511977	Screw	1	1
12	5220111	Grill Mesh	1	1
13	7621214	Rivet	5	5
14	5430523	Intake Grill	1	1
15	5221662	Headlight Retainer	1	1
16	4030025	Headlight	1	1
17	7041059	Spring	1	1
18	5430283	Headlight Ring	1	1
19	5430522	Headlight Grill	1	1
20	7621213	Rivet	5	5
21	7512236	Screw	2	2
22	5332403	Hinge Spacer	2	2
23	7512250	Bolt	2	2
24	5420147	Hood Seal	2	2
25	5220105	Upper Hinge Bracket	1	1
26	7502804	Washer	2	2
27	7542105	Nut	2	2
28	5810069	Hood Mat	2	2
29	5221861	Latch Mounting Plate	2	2
30	7071582	Polaris Decal	2	2
31	7080224	Panduit Strap	4	4
32	8200099	Hood Stripe Decal	1	1
33	5510055	Edge Trim	1	1
34	5221947	R.H. Hood Latch	1	1
	5221948	L.H. Hood Latch	1	1
35	7670026	Speed Nut	5	5
36	7670009	Fastener	8	8
37	5430516	Hood Louver	1	1

OPTIONAL ITEMS

	2870432	Tachometer Kit (Incl. 38,39 & 40)		
38	3280042	Tachometer Head	1	1
39	2460191	Adapter Harness	1	1
40	2200173	Replacement - Glass & Bezel (Tach. or Speedo)	1	1
	2870430	Speedometer Kit (Incl. 39 - 44)		
41	3280041	Speedometer Head	1	1
42	3280034	Speedometer Cable	1	1
43	3280020	Angle Drive	1	1
44	3280017	Square Key	1	1
45	3280019	Bushing	1	1

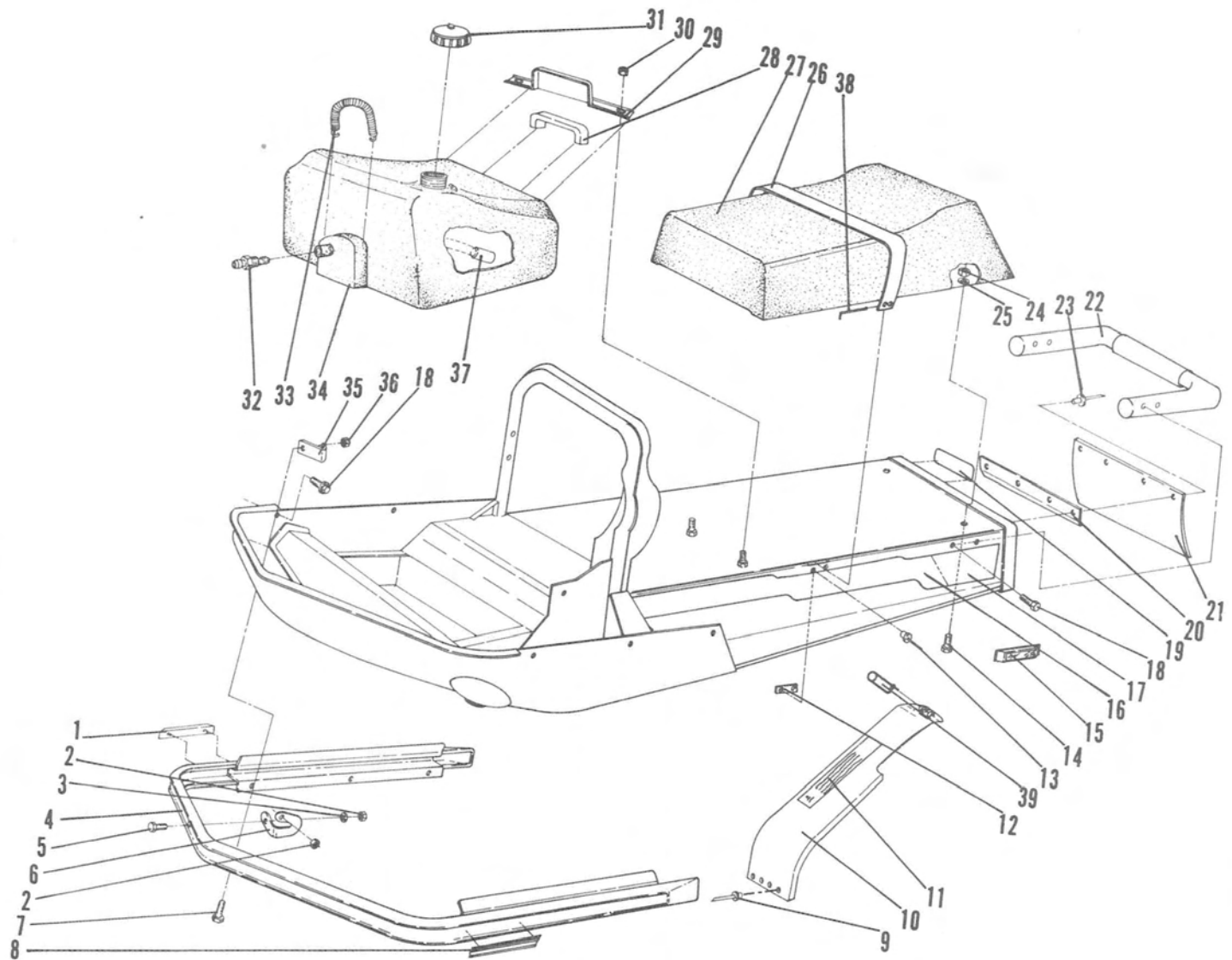
HOOD ASSEMBLY



BODY & TRIM

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	2670071	Amber Reflector	2	2
2	7542118	Locknut	4	4
3	7558301	Washer	2	2
4	2670078	Front Bumper	1	1
5	7512236	Screw	2	2
6	5220103	Left Hinge Bracket	1	1
	5220104	Right Hinge Bracket	1	1
7	7512301	Bolt	1	1
8	7071609	Front Bumper Decal	1	1
9	7621215	Rivet	4	4
10	5220050	Clutch Guard	1	
	5220043	Clutch Guard	1	1
11	7071504	Engine & Clutch Decal	1	1
12	5210842	Seat Belt Plate	2	2
13	7621319	Rivet	4	4
14	7512103	Bolt	2	2
15	2670070	Red Reflector	2	2
16	7071547	L.H. Tunnel Decal	1	1
	7071548	R.H. Tunnel Decal	1	1
17	7071583	L.H. Tunnel Decal - Gemini	1	
	7071584	R.H. Tunnel Decal - Gemini	1	
	7071561	L.H. Tunnel Decal - 340		1
	7071562	R.H. Tunnel Decal - 340		1
18	7512252	Screw	10	10
19	7071503	Track Warning Decal	1	1
20	5223695	Snow Flap Backing	1	1
21	5810056	Snow Flap	1	1
22	2670075	Rear Bumper	1	1
23	7621401	Rivet	4	4
24	7542101	Nut	2	2
25	7558402	Washer	2	2
26	7080204	Seat Belt	1	1
27	2681131	Seat Cushion	1	1
28	5420126	Tank Holdown Cushion	1	1
29	5221722	Gas Tank Strap	1	1
30	7541904	Lock Nut	2	2
31	2511102	Gas Cap	1	1
	2870442	Gas Cap w/ Gauge - Optional		
	2870444	Tow Hitch - Optional		
32	7052023	Outlet Fitting	1	1
33	7042020	Tank Spring	1	1
34	2511132	Gas Tank Asm.	1	1
35	4020035	Wiring Clip	1	1
36	7542321	Lock Nut	1	1
37	5020246	Gas Line Weight	1	1
38	5223864	Seat Belt Wire	2	2
39	7080216	Clutch Guard Pin	1	1

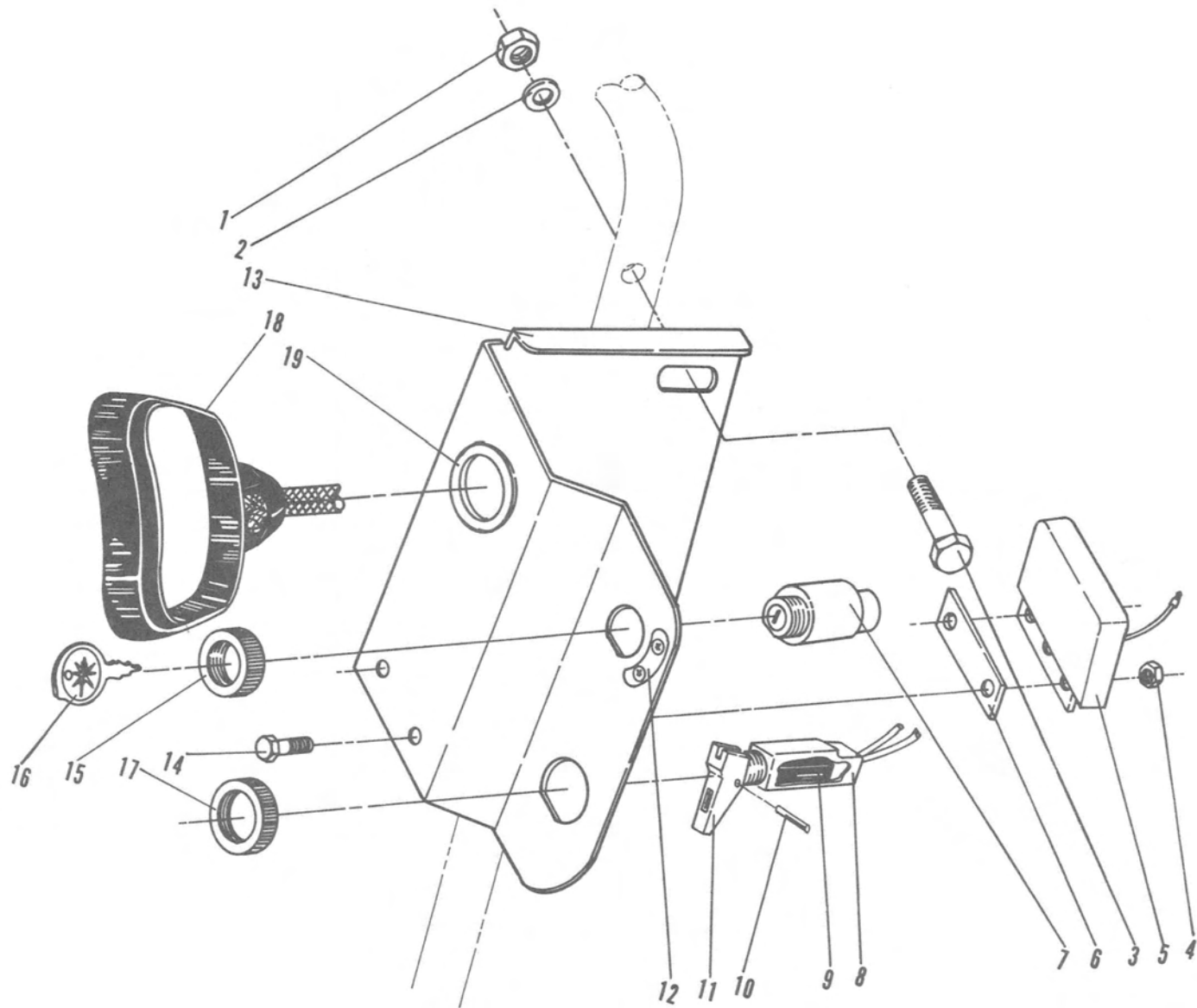
BODY & TRIM



IGNITION ASSEMBLY

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	7542103	Nut	2	2
2	7558302	Washer	2	2
3	7512239	Bolt	2	2
4	7541904	Nut	2	2
5	4060071	Regulator	1	1
6	5210650	Heat Sink	1	1
7	4110038	Ignition Switch	1	1
8	7080206	Choke Control - Single - 244	1	
	7080207	Choke Control - Dual - 250/340	1	1
9		Choke Slide	1	1
10		Flipper Pin	1	1
11	2200175	Lever Kit (Incl. 9,10,11)	1	1
12	7071574	Ignition Switch Decal	1	1
13	5220106	Recoil & Ignition Bracket	1	1
14	7511954	Screw	2	2
15	7542807	Ignition Nut	1	1
16	4110012	Ignition Key	2	2
17	7080223	Choke Nut	1	1
18	7710502	Retaining Ring	1	1
19	5430520	Recoil Handle	1	1

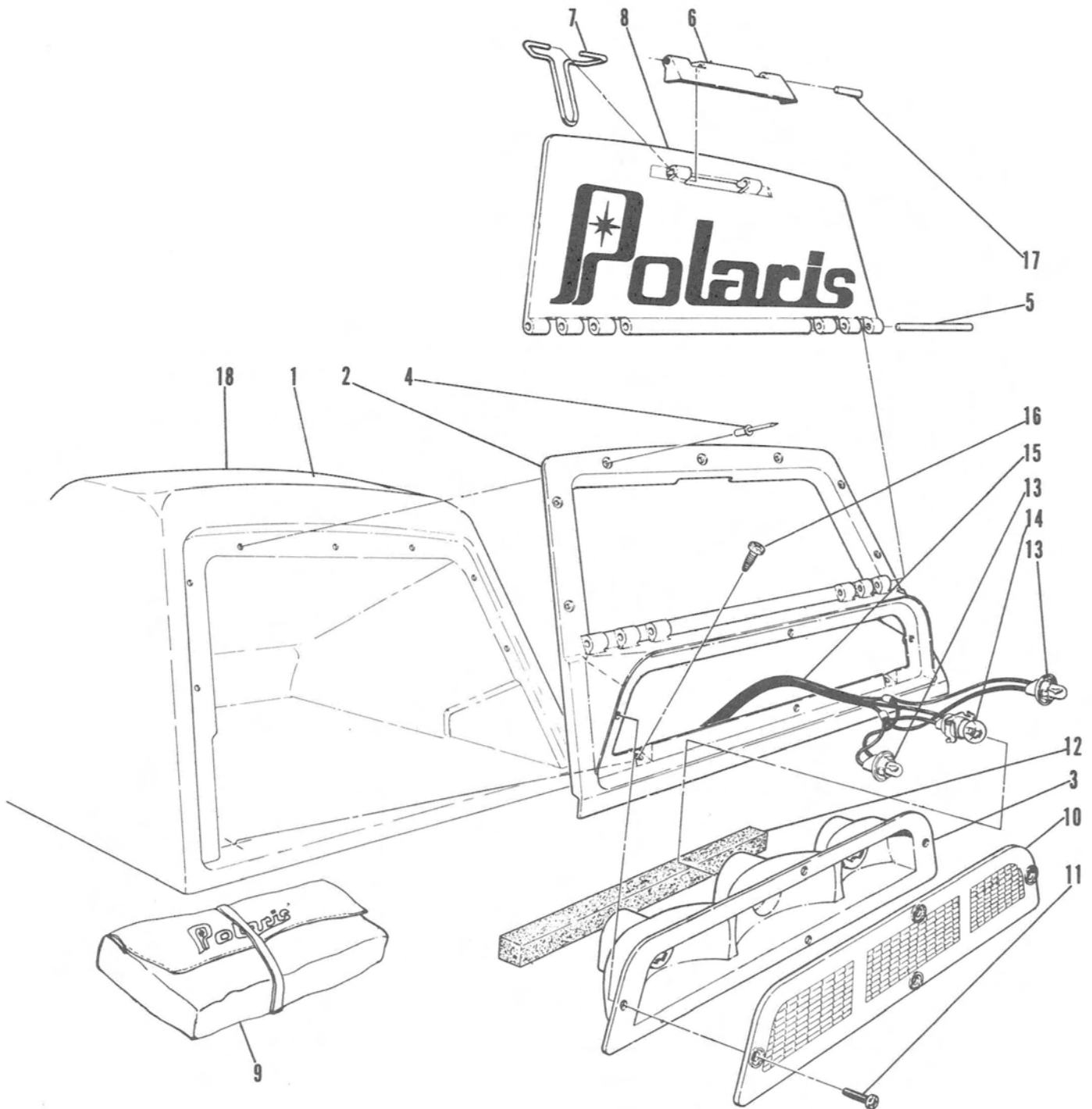
IGNITION ASSEMBLY



SEAT ASSEMBLY

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	2681131	Seat Cushion	1	1
2	5430426	Door Frame	1	1
3	5430425	Taillight Housing	1	1
4	7621201	Rivet	7	7
5	7010026	Hinge Pin	2	2
6	5430368	Compartment Latch	1	1
7	7040144	Latch Spring	1	1
8	5430476	Compartment Door	1	1
9	2870257	Tool Kit		
10	5430423	Taillight Lens	1	1
11	7511840	Screw	4	4
12	5420141	Shield	1	1
13	4030015	Taillight Bulb	2	2
14	4030019	Brakelight Bulb	1	1
15	2460173	Taillight Harness (Incl. 13 & 14)	1	1
16	7522008	Screw	2	2
17	7010030	Latch Pin	2	2
18	2681137	Seat Covering	1	1
19	5430365	Housing	1	1

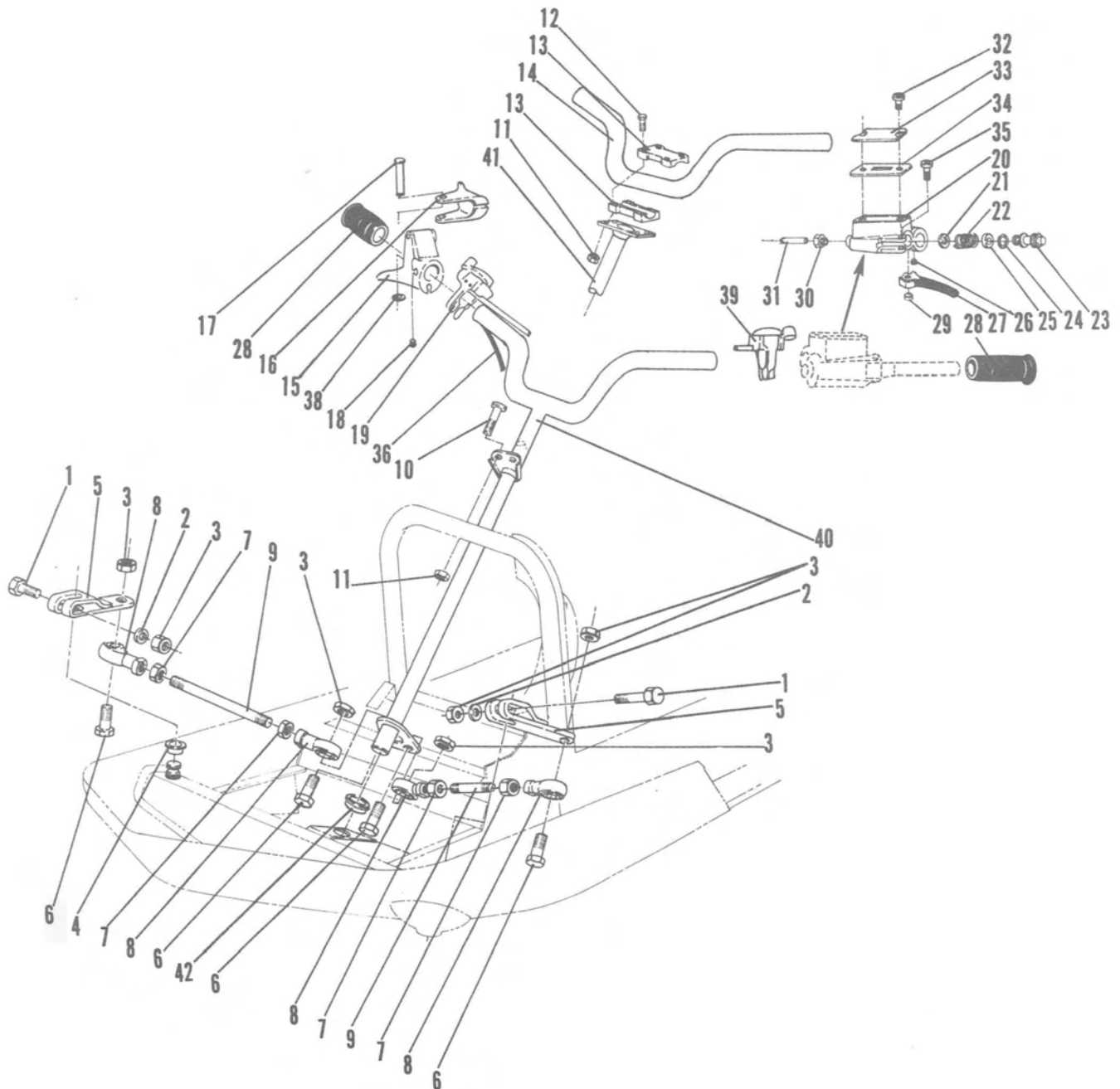
SEAT ASSEMBLY



STEERING ASSEMBLY

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	7515433	Bolt	2	2
2	7558403	Washer	2	2
3	7542403	Nut	6	6
4	3573904	Bushing	4	4
5	5221701	Steering Arm	2	2
6	7512410	Bolt	4	4
7	7542401	Nut	4	4
8	7060112	Rod End Bearing	4	4
9	5020247	Tie Rod	2	2
10	7512239	Bolt	2	2
11	7542101	Nut	2	2
12	7512254	Bolt		4
13	5630187	Handlebar Block		2
14	5224206	Handlebar		1
15	2010030	Throttle Control Asm.	1	1
16	5430436	Throttle Lever	1	1
17	7661617	Throttle Control Pin	1	1
18	7512465	Set Screw	1	1
19	4110039	Auxiliary Shut-off Switch	1	1
20	5630125	Master Cylinder Housing	1	1
21	7555708	Washer	1	1
22	7641067	Compression Spring	1	1
23	5020319	Master Cylinder Piston	1	1
24	5410163	'O' Ring	1	1
25	5410164	'U' Pack Seal	1	1
26	7512308	Set Screw	1	1
27	5630126	Brake Lever	1	1
28	5410272	Handlebar Grip	2	2
29	5332326	Brake Lever Bushing.	1	1
30	7052019	Male Connector	1	1
31	5420120	Brakeline	2	2
32	7511841	Screw	1	1
33	5630127	Reservoir Cover	1	1
34	5410176	Cover Gasket	1	1
35	7511975	Screw	1	1
36	7080187	Throttle Cable	1	1
37	7080208	Throttle Cable	1	1
38	7710502	Retaining Ring	1	1
39	4110040	Hi/Lo Dimmer Switch	1	1
40	1823115	Steering Post Weldment	1	
41	1823117	Steering Post Weldment		1
42	3574202	Bushing - Lower Steering	1	1

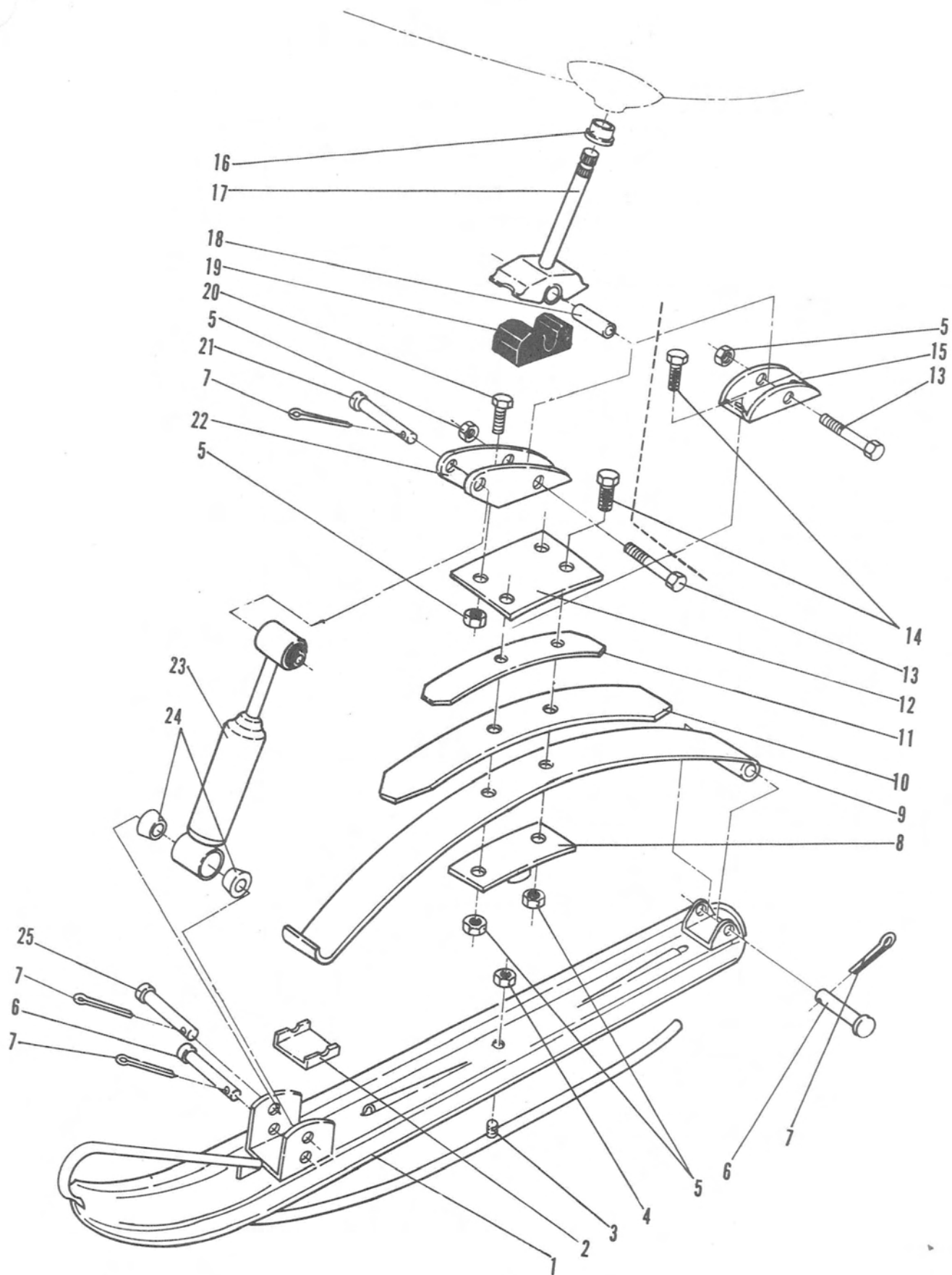
STEERING ASSEMBLY



SKI ASSEMBLY

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	1820175	Ski Weld	2	2
2	5430003	Wear Plate	2	2
3	1820132	Skag	2	2
4	7542320	Nut	2	2
5	7542403	Nut	6	10
6	7662001	Clevis Pin	4	4
7	7661407	Cotter Pin	4	8
8	1820142	Ski Spring Stop	2	2
9	7043022	Main Spring	2	2
10	7043002	Support Spring	2	2
11	7043003	Support Spring	2	2
12	5221936	Ski Spreader		2
13	7515417	Bolt	2	2
14	7512405	Bolt	4	4
15	5221227	Spring Saddle	2	
16	3573904-9	Spindle Housing Bushing	2	2
17	1821010	Spindle Weld	2	2
18	5010059	Ski Pivot Bushing	2	2
19	5410055	Rubber Ski Stop	2	2
20	7512404	Bolt		4
21	7662101	Clevis Pin		2
22	5221550	Spring Saddle		2
23	7041082	Ski Shock		2
24	5430264	Bottom Shock Bushing		4
25	7662102	Clevis Pin		2

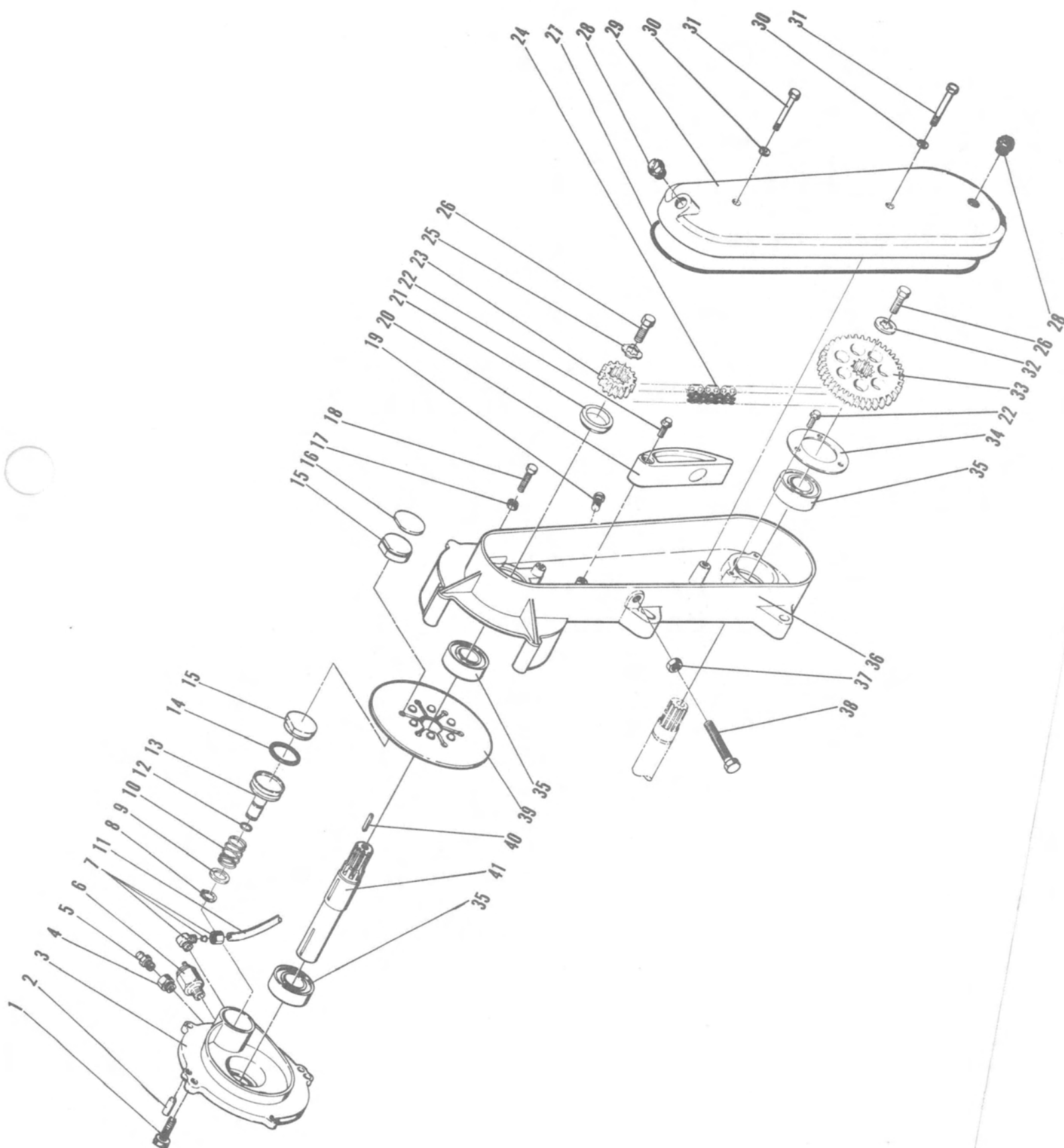
SKI ASSEMBLY



CHAINCASE ASSEMBLY

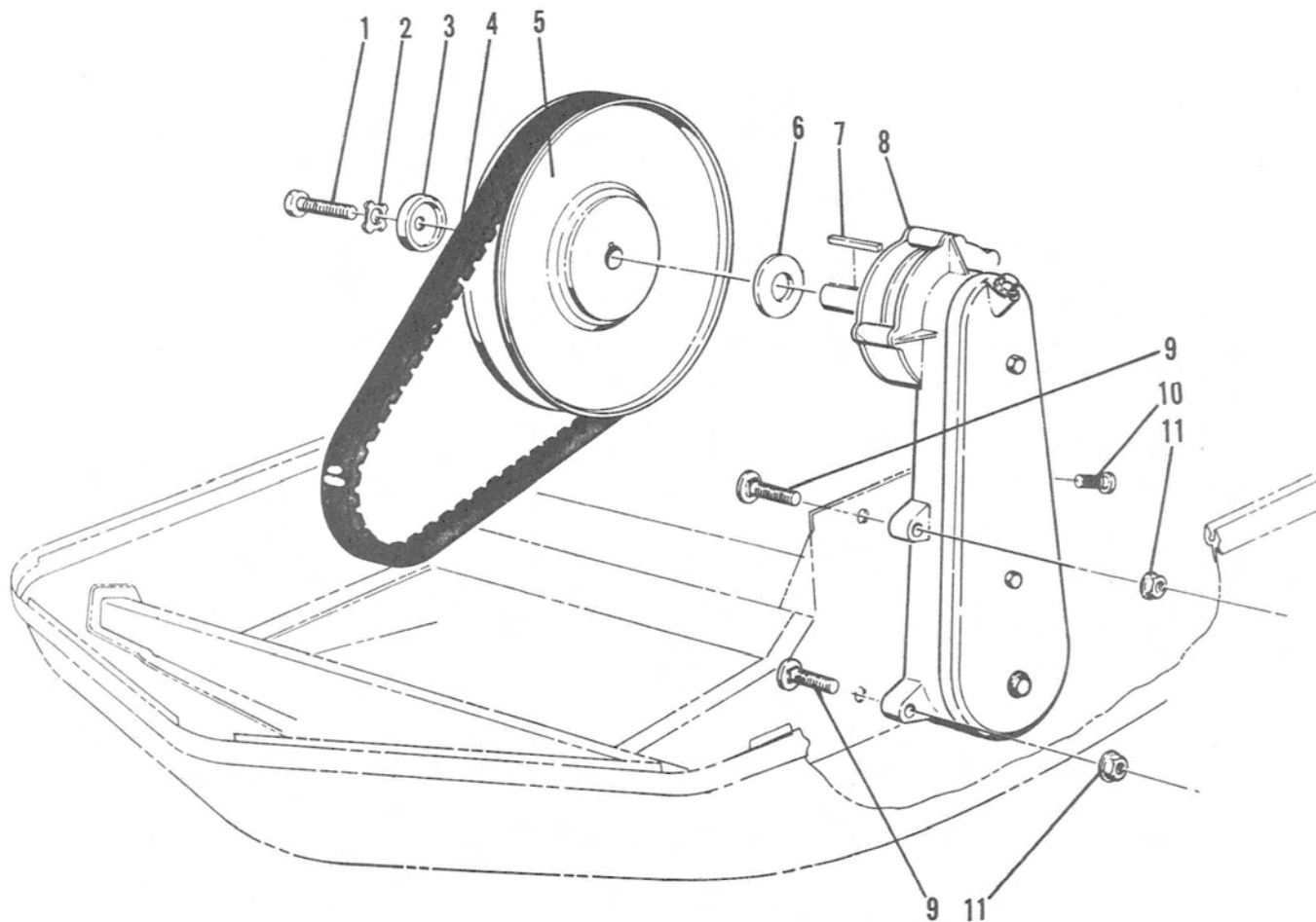
ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	7512390	Screw	5	5
2	7661806	Locator Pin	2	2
3	5630039	Rear Chaincase Cover	1	1
4	5020222	Bleeder Adapter Fitting	1	1
5	5020214	Bleeder Fitting	1	1
6	4110035	Stop Light Switch	1	1
7	7052020	Male Elbow	1	1
8	7712801	Retaining Ring	1	1
9	7555813	Washer	1	1
10	7041023	Compression Spring	1	1
11	5420152	Brakeline	1	1
12	5410158	'O' Ring	1	1
13	5020202	Disc Brake Plunger	1	1
14	5410159	'O' Ring	1	1
15	1930521	Disc Brake Punch	2	2
16	5210609	Back-up Plate	1	1
17	5020285	Jam Nut	1	1
18	7512234	Bolt	1	1
19	7512497	Machine Screw	1	1
20	1332070	Tightener Block	1	1
21	5010128	Spacer	1	1
22	7511968	Screw	4	4
23	3221012	Sprocket 13T	1	
	3221037	Sprocket 18T		1
	3221031	Sprocket 15T	1	
24	3224014	Roller Chain 84P	1	
	3224030	Roller Chain 86P	1	
	3224031	Roller Chain 88P		1
25	7577901	Shakeproof Washer	1	1
26	7512325	Bolt	2	2
27	5410177	Rubber Seal	1	1
28	5430380	Chaincase Plug (Red)	2	1
	5430484	Chaincase Plug (Black)	1	1
29	5630113	Chaincase Cover	1	1
30	5410193	'O' Ring	2	2
31	7512243	Screw	2	2
32	7577908	Shakeproof Washer	1	1
33	3222027	Sprocket 35T	1	
	3222036	Sprocket 35T	1	1
34	5210121	Retaining Plate	1	1
35	3514303	Bearing	2	2
36	5630133	Chaincase	1	
37	5630166	Chaincase	1	1
38	7512342	Adj. Screw	1	1
39	1332043	Brake Disc Asm.	1	1
40	7721202	Square Key	1	1
41	5020213	Input Shaft	1	
	5020341	Input Shaft	1	1

CHAINCASE ASSEMBLY



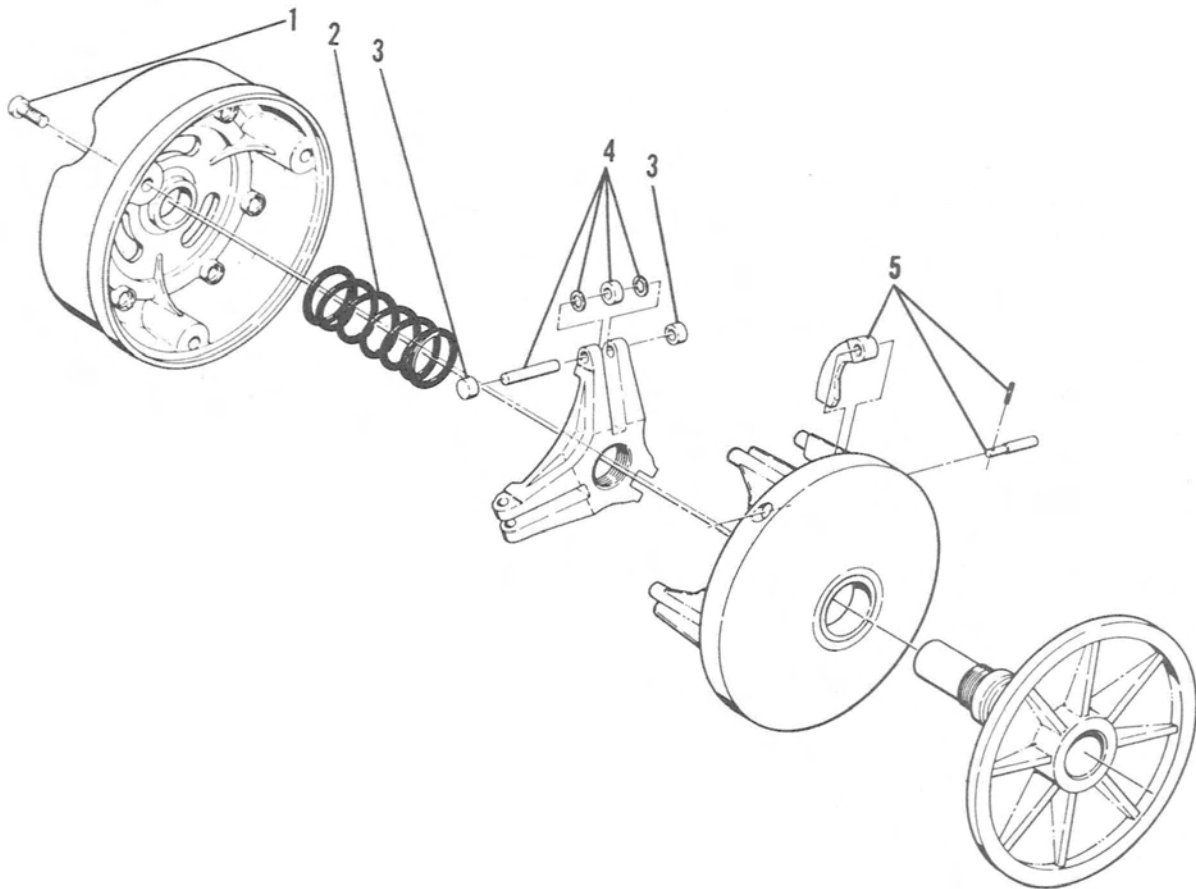
CHAINCASE MOUNTING

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	7512328	Bolt	1	1
2	7577901	Shakeproof Washer	1	1
3	5221207	Clutch Cap		
4	3211021	Drive Belt . <i>or. 3211044</i>	1	
	3211044	Drive Belt		1
5	1322088	Driven Clutch		
6	7556401	Machinery Bushing	1	1
7	7721103	Square Key	1	1
8		See Chaincase Asm.		
9	7512487	Carriage Bolt	3	3
10	7512497	Machine Screw	1	1
11	7542423	Flanged Nut	4	4



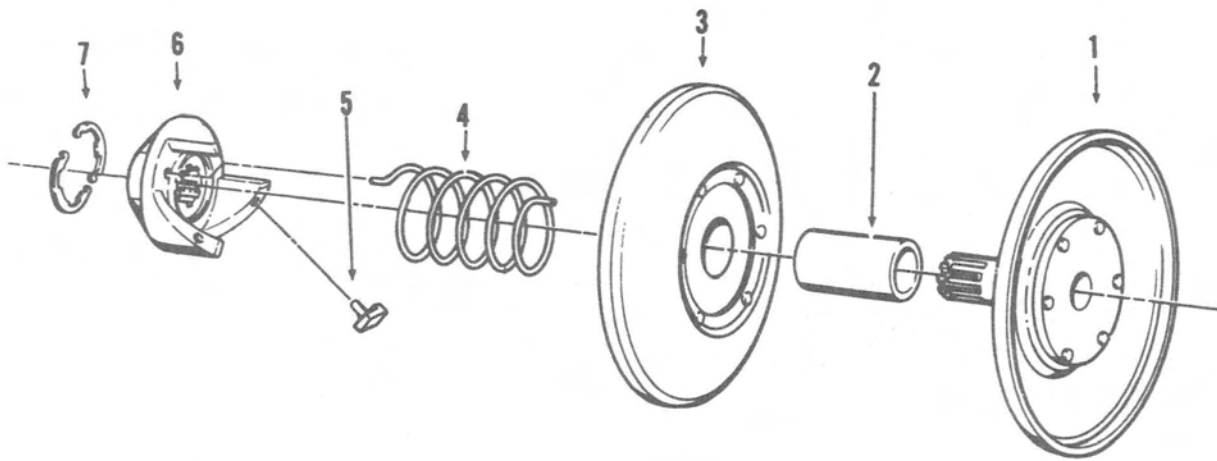
DRIVE CLUTCH

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	1321312	Drive Clutch Asm.-244	1	
	1321298	Drive Clutch Asm.-250	1	
	1321299	Drive Clutch Asm.-340		1
1	7512182	Screw	3	3
2	7041063	Clutch Spring - Purple - 244	1	
	7041060	Clutch Spring - Orange - 250,340	1	1
3	5430269	Guide Button	6	6
4	2200104	Kit - Spider Pin	1	1
5	2200119	Kit - Shift Weight 'G' - 244	1	
	2200108	Kit - Shift Weight 'W' - 250	1	
	2200105	Kit - Shift Weight 'A' - 340		1



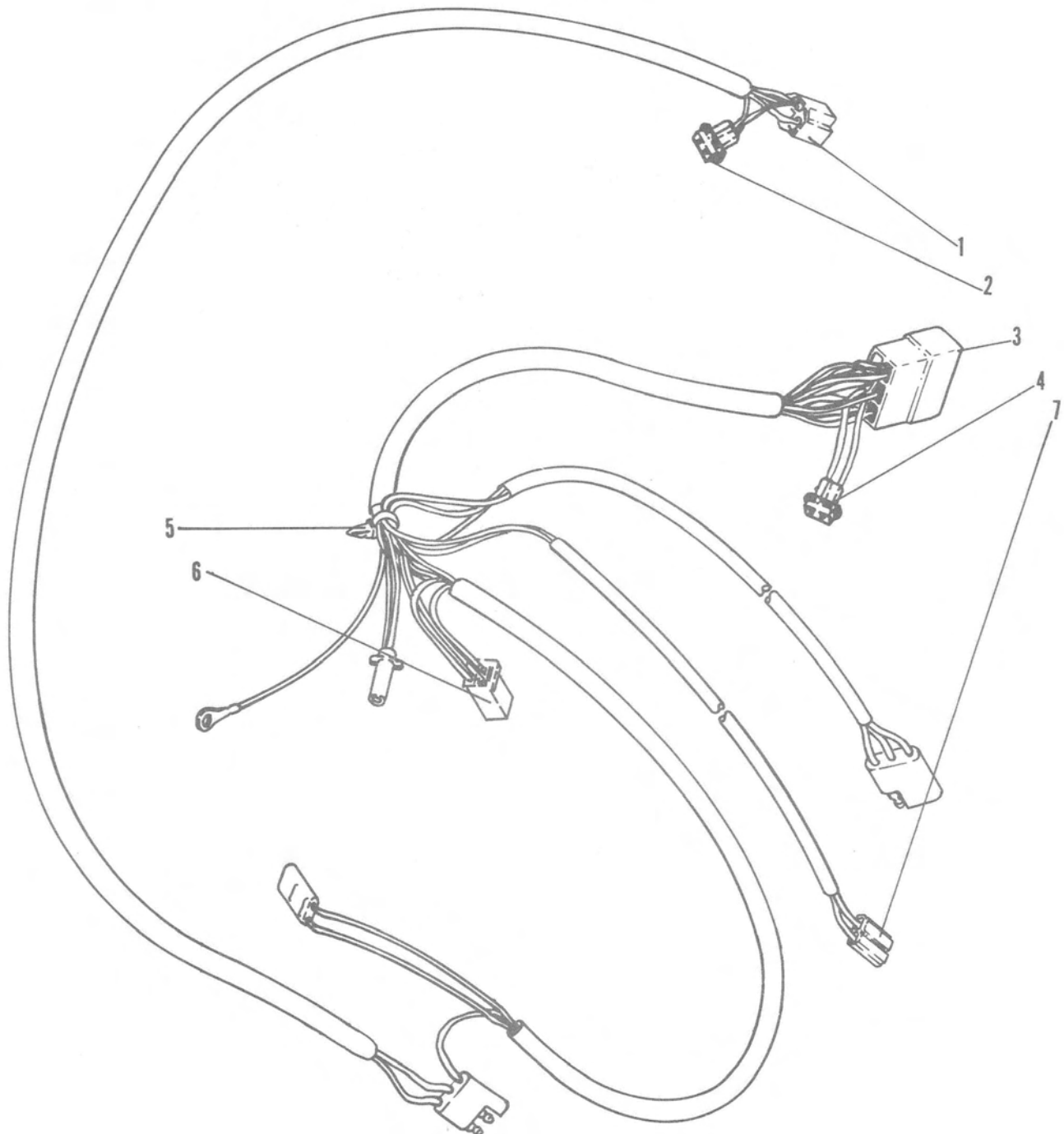
DRIVEN CLUTCH

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	1322088	Driven Clutch Asm.	1	1
1	1322087	Stationary Face Asm.	1	1
2	3565901	Bearing	1	1
3	1322086	Movable Face Asm.	1	1
4	7041004	Spring	1	1
5	5430265	Ramp Button	3	3
6	1322070	Ramp Assembly	1	1
7	7714802	Retaining Ring	1	1



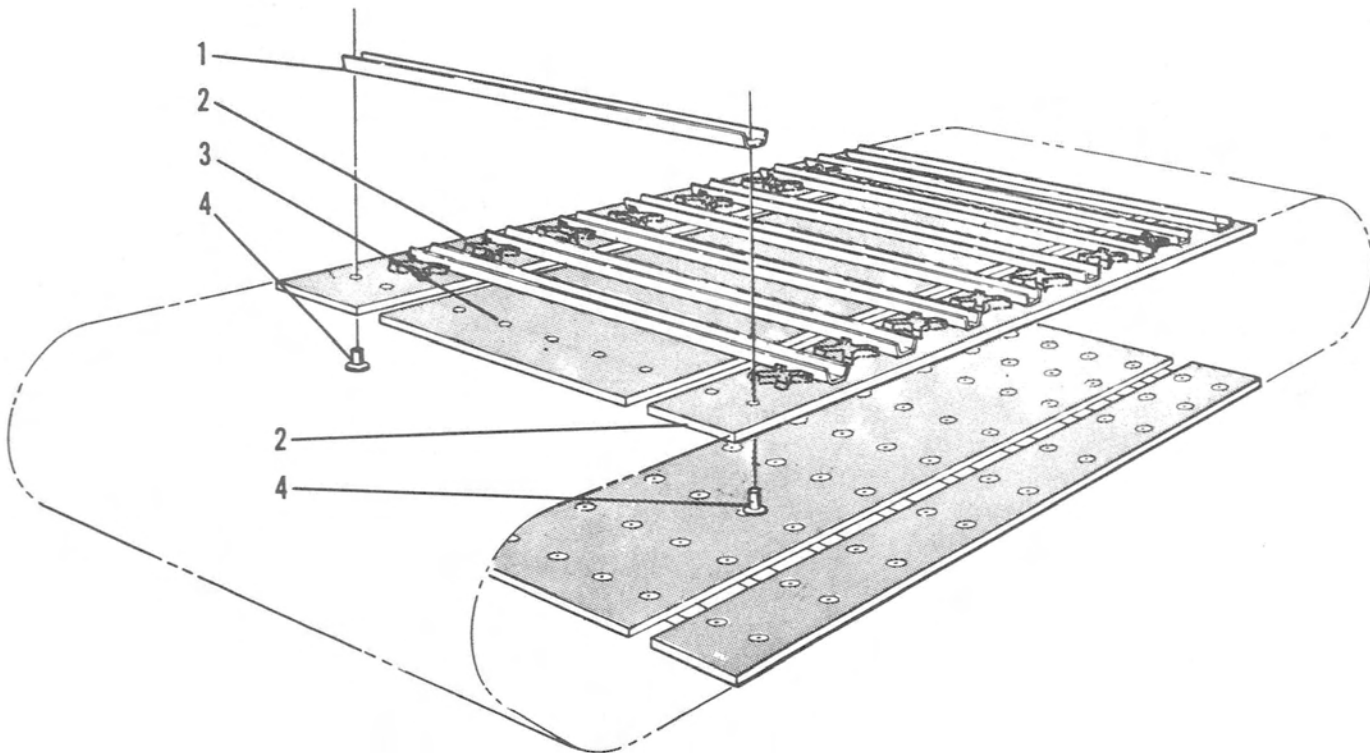
MAIN WIRE HARNESS

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	2460196	Main Wire Harness	1	1
1	2200022	Receptacle Housing w/Receptacles	1	1
2	2200163	2 Circuit Housing Kit	1	1
3	2200074	6 Circuit Tab Housing w/Tabs.	1	1
4	2200156	2 Circuit Housing Kit	1	1
5	7080138	Panduit Strap	1	1
6	2200020	2 Circuit Housing Kit	1	1
7	2200082	Brakelight Connector Kit	1	1



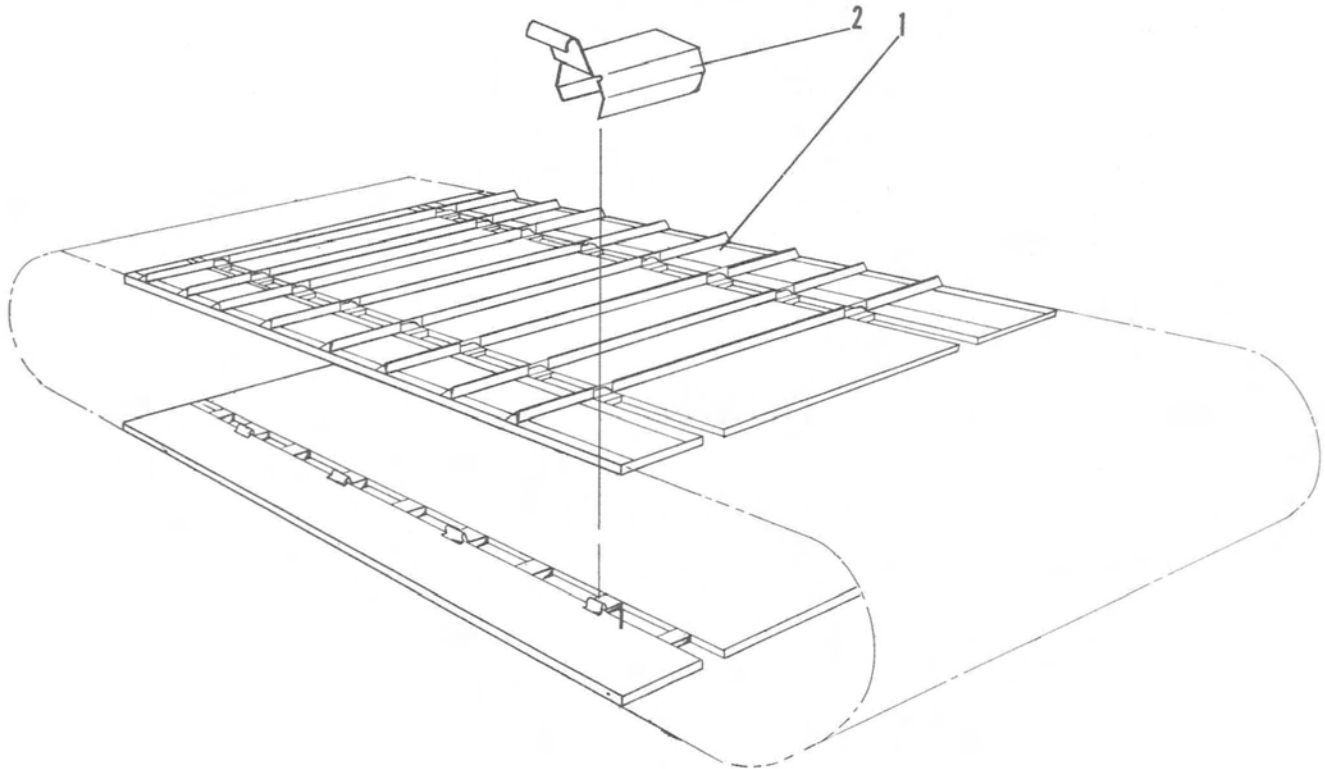
TRACK ASSEMBLY — 244 & 250

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	1510138	Track Asm..		1
1	5221425	Cleat.		35
2	5410280	Outside Belt		2
3	5410279	Inside Belt		1
4	7621401	Pop Rivet		420



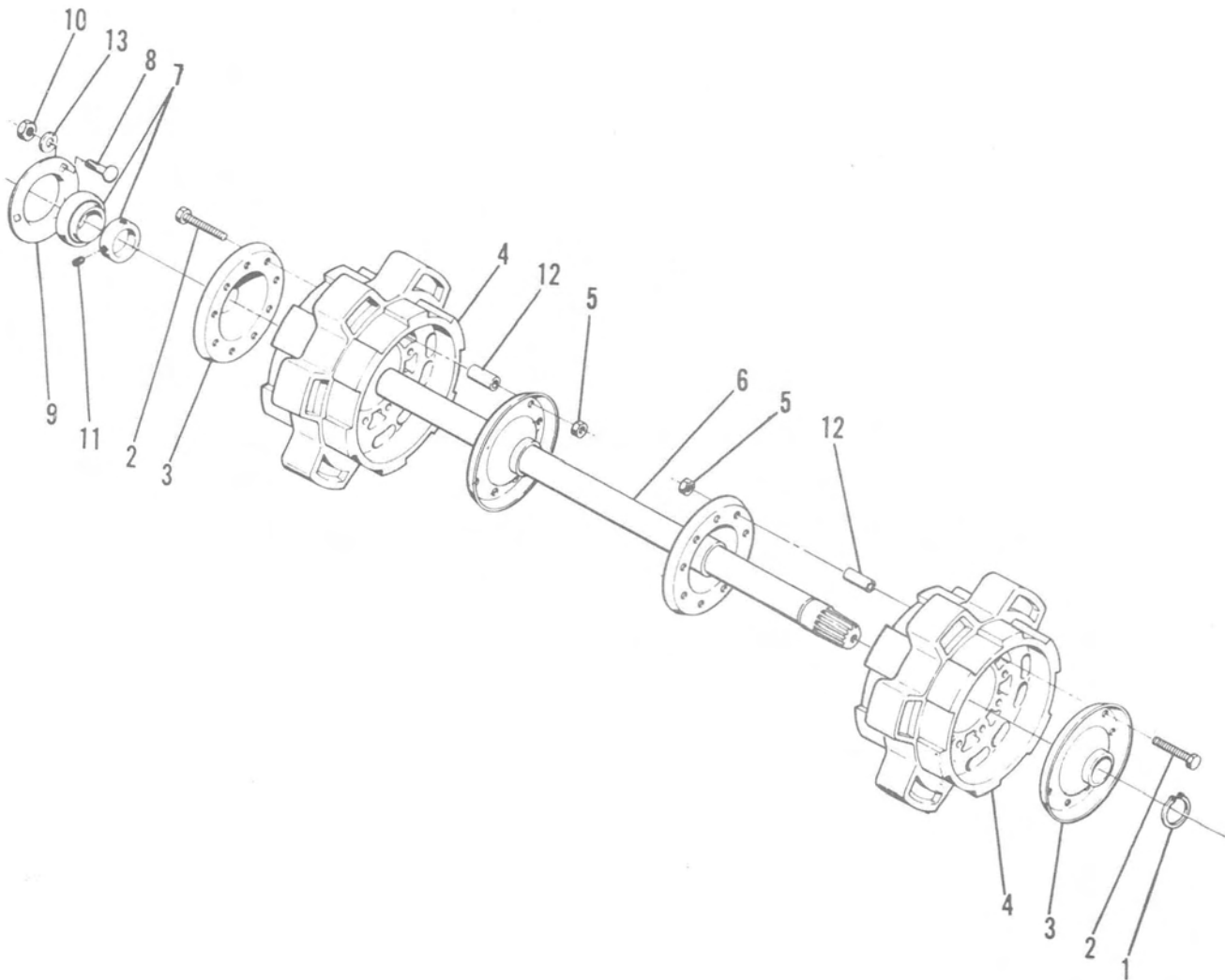
TRACK ASSEMBLY — 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	5410264	Rockland Track		1
2	5220153	Clip Replacement		96



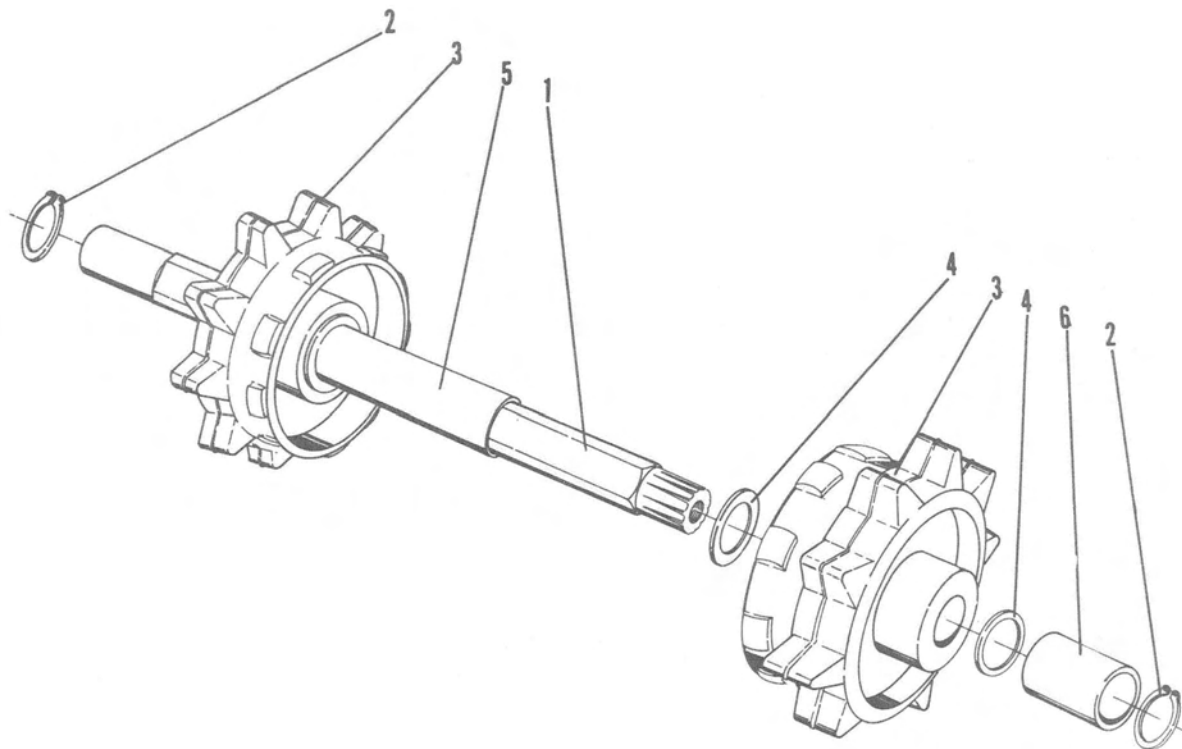
DRIVE SHAFT — 244 & 250

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	7713901	Retaining Ring	1	
2	7511967	Cap Screw	18	
3	5221337	Sprocket Hub	4	
4	5430282	Sprocket	2	
5	7541906	Lock Nut	18	
6	1590171	Drive Shaft Weld - 244	1	
	1590187	Drive Shaft Weld - 250	1	
7	3514501	Bearing w/Lock Collar	1	
8	7512394	Carriage Bolt	3	
9	5221172	Flangette	1	
10	7542320	Lock Nut	3	
11	7512308	Set Screw	3	
12	5332417	Spacer	18	
13	7558403	Washer	3	



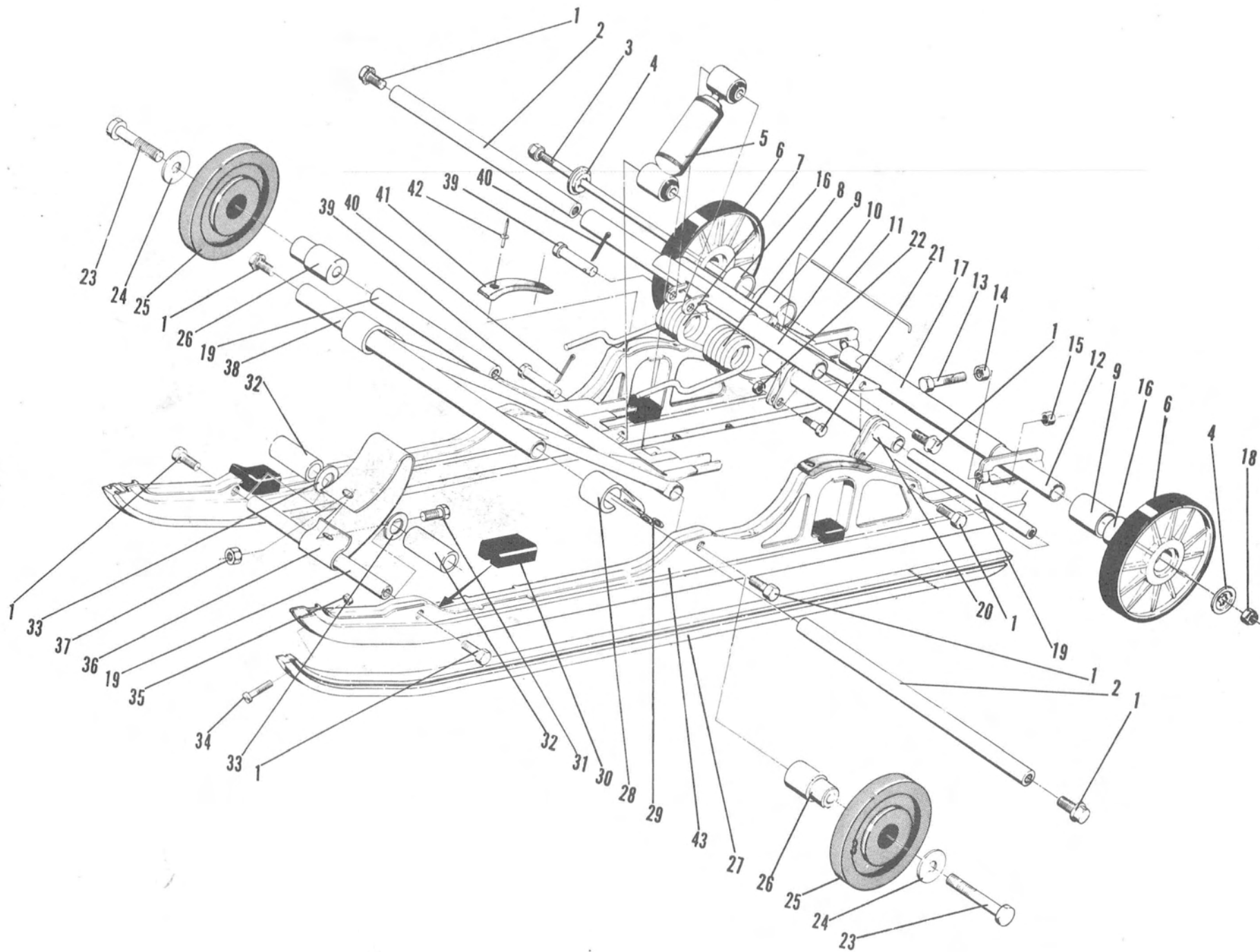
DRIVE SHAFT — 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	1590191	Drive Shaft Asm.		1
1	6230049	Drive Shaft		1
2	7713904	Retaining Ring		2
3	5430505	Sprocket		2
4	7556407	Machinery Bushing		3
5	5332554	Spacer Tube		1
6	5332565	Spacer Tube		1



SUSPENSION

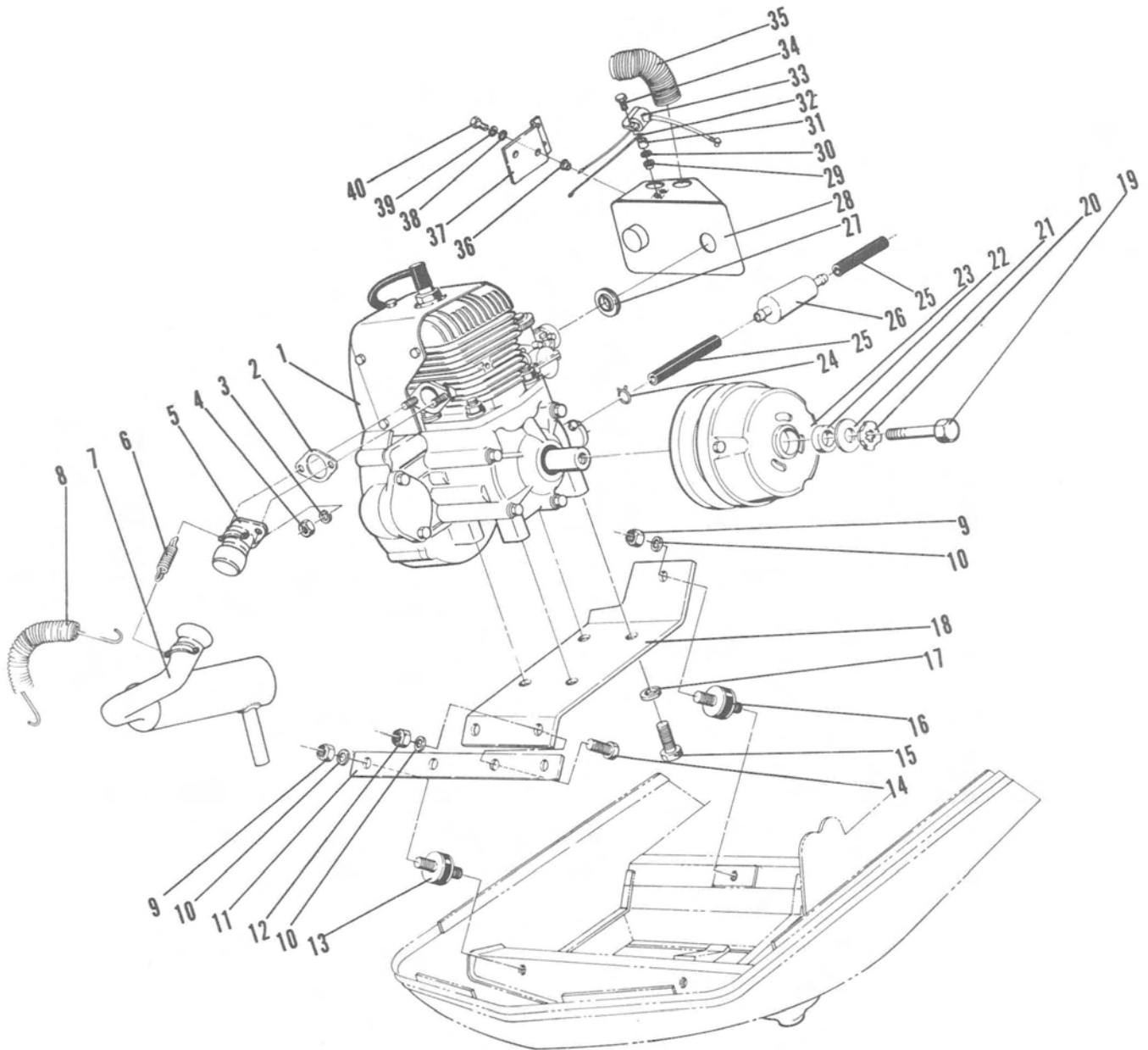
ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	1540446	Slide Rail Asm. (w/o Shock)	1	
	1540447	Slide Rail Asm.		1
1	7515416	Bolt	10	10
2	5010108	Mounting Shaft	2	2
3	1540410	Threaded Idler Rod	1	
	1540412	Threaded Idler Rod		1
4	5220038	Domed Washer	2	2
5	7042017	Shock		1
6	1594013	Idler Wheel Asm.	2	
	1594021	Idler Wheel		2
7	7041075	R.H. Spring	1	1
8	7041074	L.H. Spring	1	1
9	5332574	Rear Idler Spacer	2	2
10	1540435	Rear Torque Arm	1	1
11	5332269	Spring Retention Rod	1	1
12	5332442	Idler Shaft	1	
	5332535	Idler Shaft		1
13	7512499	Bolt	2	2
14	7542404	Nut	2	2
15	5020162	Idler Hub	2	2
16	5332545	Idler Wheel Spacer Tube		2
17	5332573	Center Idler Spacer	1	1
18	7542427	Nut	1	1
19	5020151	Pivot Arm Shaft	3	3
20	1540327	Pivot Arm	1	1
21	7512395	Bolt	2	2
22	7542302	Nut	2	2
23	7512463	Bolt		2
24	7552905	Washer		2
25	1543011	Bogie Wheel		2
26	5020370	Shaft		2
27	5521062	Slide	2	2
28	5430115	Front Slide	2	2
29	7558212	Rivet Burr	4	4
30	5410149	Rubber Stop	2	2
31	7515304	Flanged Hex Screw	1	1
32	5332595	Limiter Spacer	2	2
33	7556301	Machinery Bushing	2	2
34	7512227	Screw	2	2
35	7542101	Nut	2	2
36	5410278	Limiter Strap	1	1
37	7542321	Nut	1	1
38	1540434	Front Torque Arm	1	1
39	7662103	Clevis Pin		2
40	7661407	Cotter Pin		2
41	5430116	Rear Slide	2	2
42	7621402	Rivet	4	4
43	1540420	Rail Weld	2	2



ENGINE MOUNTING — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	1211368	Engine EC 25 PS	1	
2	0381641	Gasket	1	
3	3080051	Washer	2	
4	3080285	Nut	2	
5	1260331	Manifold Weld	1	
6	3081078	Exhaust Return Spring	2	
7	1260373	Muffler	1	
8	7042015	Spring	2	
9	7542415	Nut	3	
10	7555803	Washer	5	
11	5332295	Motor Mount Strap	1	
12	7542403	Nut	2	
13	3110014	Motor Mount-Front	2	
14	7512486	Screw	2	
15	7512506	Screw	4	
16	3110015	Motor Mount - Rear	1	
17	7553101	Lock Washer	4	
18	5223855	Motor Mount Plate	1	
19	7512528	Bolt	1	
20	7575202	Washer	1	
21	5210748	Washer	1	
22	5430261	Bushing	1	
23	1321312	Drive Clutch Asm.	1	
24	7080134	Clamp	1	
25	5420111	Fuel Line - Bulk (Cut to Fit)	1	
26	2530008	Filter.	1	
27	5410302	Boot	1	
28	1253064	Air Silencer Asm.. . . .	1	
29	7542104	Well Nut	2	
30	7558301	Washer	2	
31	5332509	Spacer Tube	2	
32	2460197	Ground Wire	1	
33	3082174	Coil	1	
34	7512237	Bolt	2	
35	5410251	Inlet Hose	2	
36	7541901	Well Nut	2	
37	5223856	Silencer Bracket	1	
38	7558201	Washer	2	
39	7552601	Lock Washer	2	
40	7511943	Screw	2	

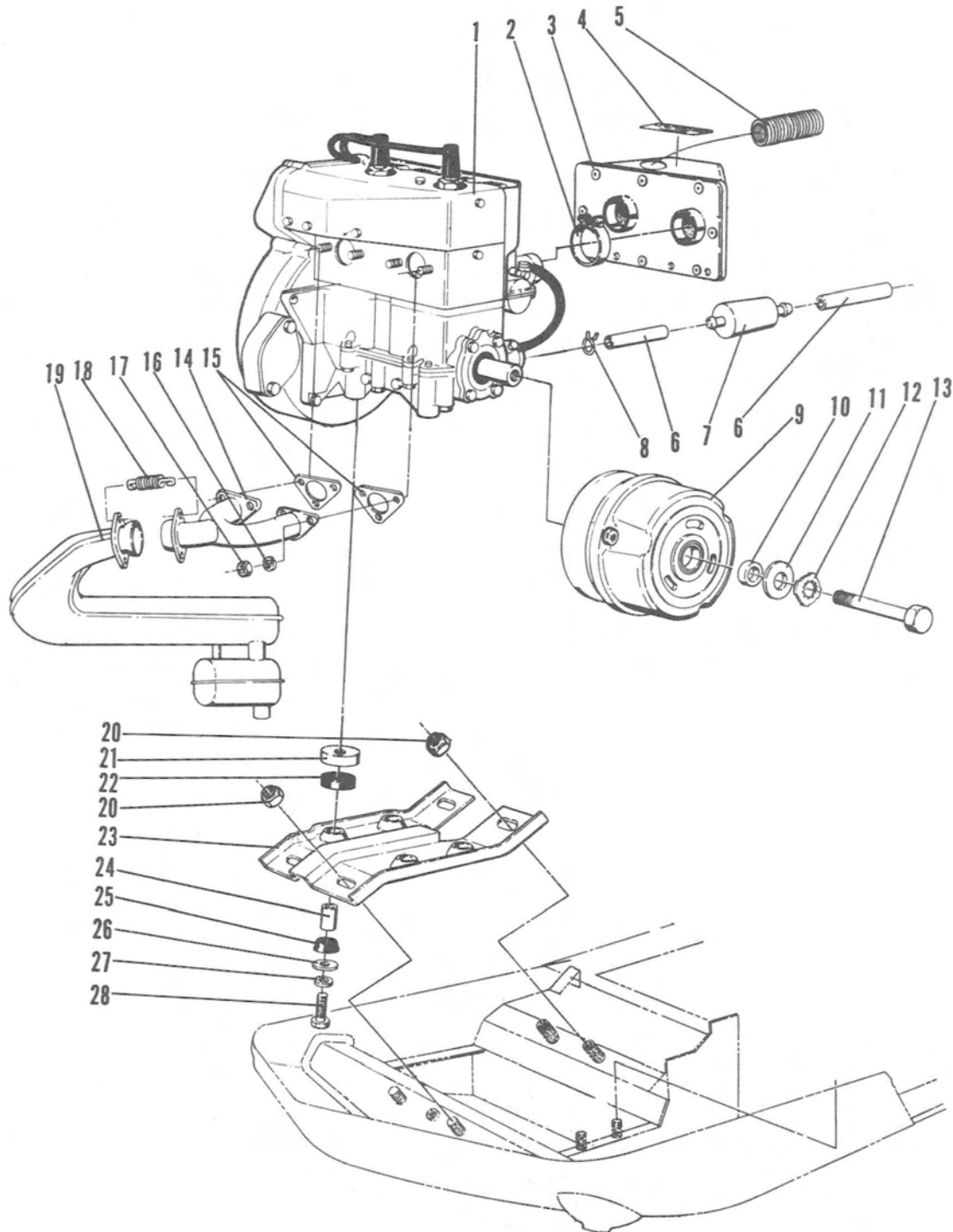
ENGINE MOUNTING — 244



ENGINE MOUNTING — 250 & 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	1211369	Engine EC 25 PM-01.	1	
	1211370	Engine EC 34 PM-03.		1
2	7080140	Clamp	2	2
3	1253032	Air Silencer Asm.. . . .	1	1
4	7071511	Air Silencer Decal	1	1
5	5410251	Inlet Hose	2	2
6	5420111	Fuel Line (Bulk Cut To Fit)	1	1
7	2530008	Filter.	1	1
8	7080134	Clamp	1	1
9	1321299	Drive Clutch Asm.		1
	1321298	Drive Clutch Asm.	1	
10	5430261	Bushing.	1	1
11	5210748	Washer	1	1
12	7575202	Lock Washer	1	1
13	7512528	Bolt	1	1
14	1260397	Manifold Weldment	1	1
15		Gasket		
16	3080051	Washer		
17	3080285	Nut		
18	3081078	Spring		
19	1260398	Muffler	1	1
20	7542508	Flanged Lock Nut.	4	4
21	5221477	Vibration Dampener Cap	4	4
22	5410079	Upper Vibration Dampener	4	4
23	5221476	Motor Mount Plate	1	
	1270077	Motor Mount Plate		1
24	5332042	Bushing.	4	4
25	5410080	Lower Vibration Dampener.	4	4
26	5210296	Vibration Washer.	4	4
27	7553101	Lock Washer	4	4
28	7512524	Bolt	4	4

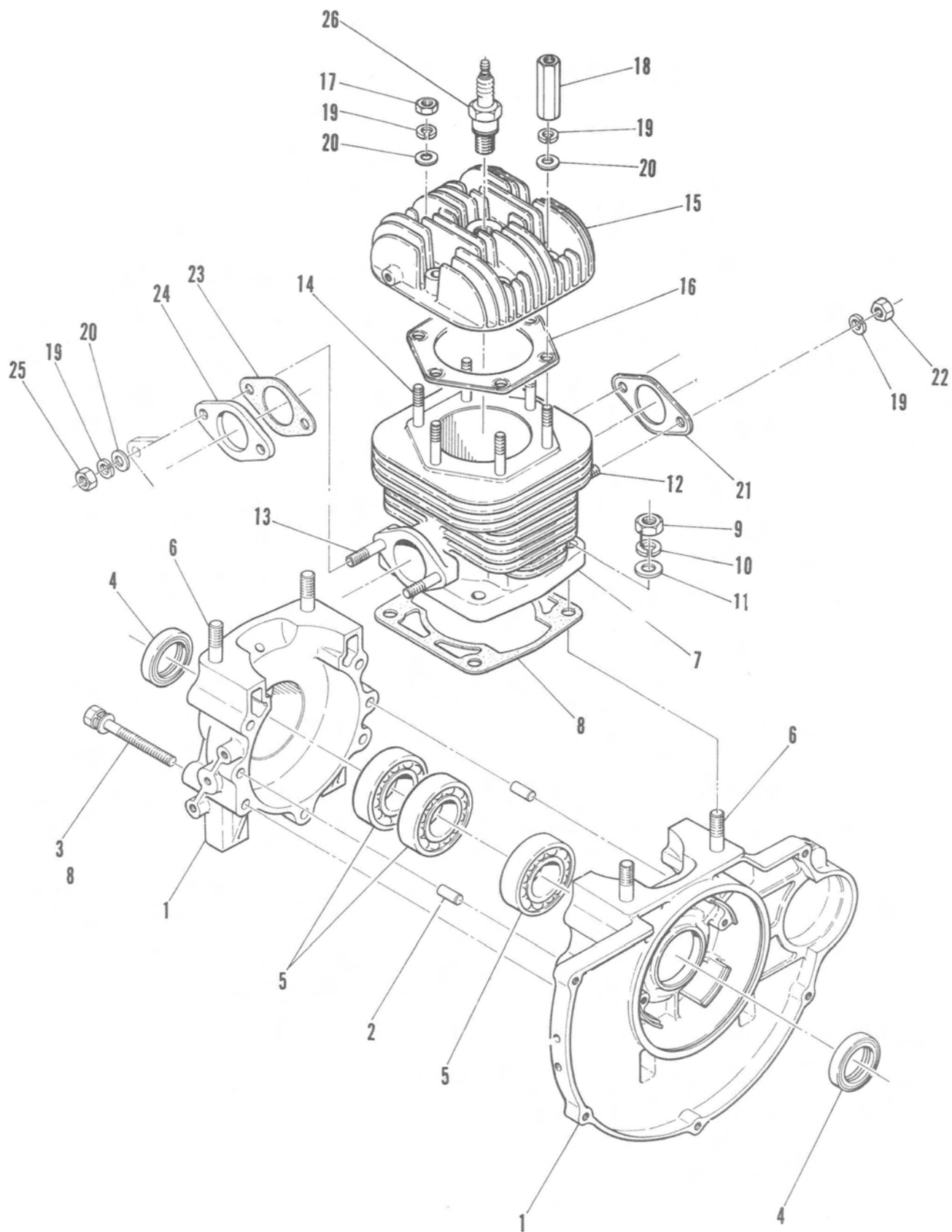
ENGINE MOUNTING — 250 & 340



CRANKCASE & CYLINDER — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3081516	Crankcase Complete		1
2	3080373	Dowel Pin		2
3	3082096	Bolt & Washer Asm.		5
4	3080006	Oil Seal		2
5	3080004	Ball Bearing		3
6	3080746	Stud		4
7	3081518	Cylinder Complete		1
8	3080301	Gasket		1
9	3080047	Nut		4
10	3080050	Spring Washer		4
11	3080356	Washer		4
12	3080016	Stud		2
13	3080452	Stud		2
14	3080283	Stud		6
15	3081219	Cylinder Head		1
16	3081520	Head Gasket		1
17	3080119	Nut		4
18	3082876	Nut		2
19	3080530	Spring Washer		10
20	3080142	Washer		8
21	3080143	Exhaust Gasket		1
22	3080285	Nut		2
23	3080252	Gasket		1
24	3080434	Insulator		1
25	3081902	Nut		2
26	3070156	Spark Plug		1

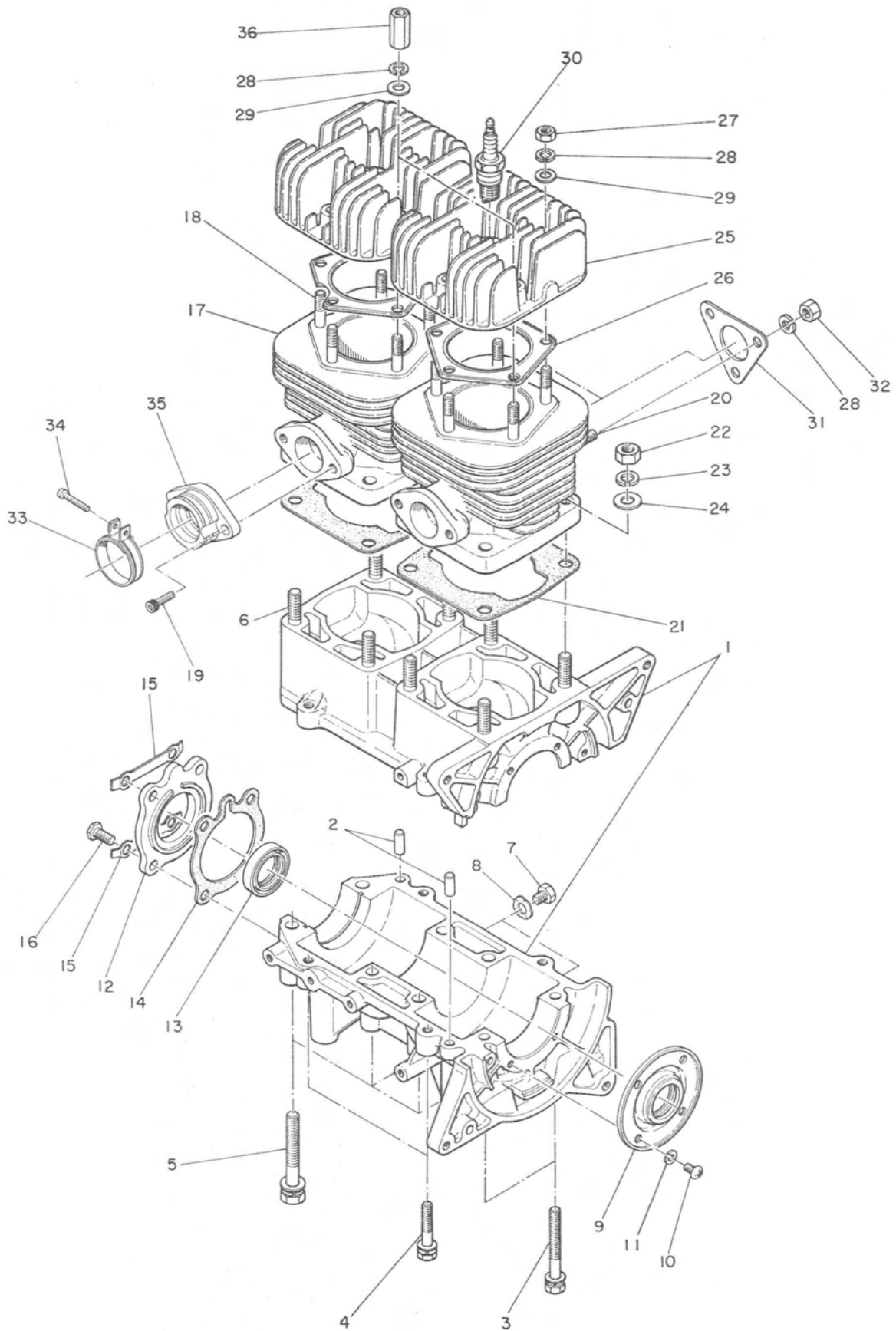
CRANKCASE & CYLINDER — 244



CRANKCASE & CYLINDER — 250 & 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3082626	Crankcase Asm.	1	1
2	3080373	Dowel Pin	2	2
3	3080739	Bolt & Washer Asm.	6	6
4	3080833	Bolt & Washer Asm.	4	4
5	3080742	Bolt & Washer Asm.	2	2
6	3080745	Stud	8	8
7	3081633	Plug	2	2
8	3081634	Wave Washer	2	2
9	3081046	Oil Seal	1	1
10	3081582	Screw	4	4
11	3080077	Spring Washer	4	4
12	3081913	Crankcase Cover	1	1
13	3080006	Oil Seal	1	1
14	3080297	Gasket	1	1
15	3081047	Lock Washer	2	2
16	3080445	Bolt	4	4
17	3082627	Cylinder.	2	
	3082628	Cylinder.		2
18	3080283	Stud	10	10
19	3081330	Bolt	4	4
20	3080016	Stud	6	6
21	3080735	Gasket	2	2
22	3080047	Nut	8	8
23	3080050	Spring Washer	8	8
24	3080356	Washer	8	8
25	3082629	Cylinder Head.	2	
	3082630	Cylinder Head.		2
26	3081930	Head Gasket	2	
	3081361	Head Gasket		2
27	3080119	Nut	8	8
28	3080530	Spring Washer	16	16
29	3080142	Washer	10	10
30	3070156	Spark Plug	2	2
31	3082631	Exhaust Gasket	4	4
32	3080285	Nut	6	6
33	3082011	Band Asm.	2	2
34	3081497	Screw	2	2
35	3082255	Adapter	2	2
36	3082632	Nut	2	2

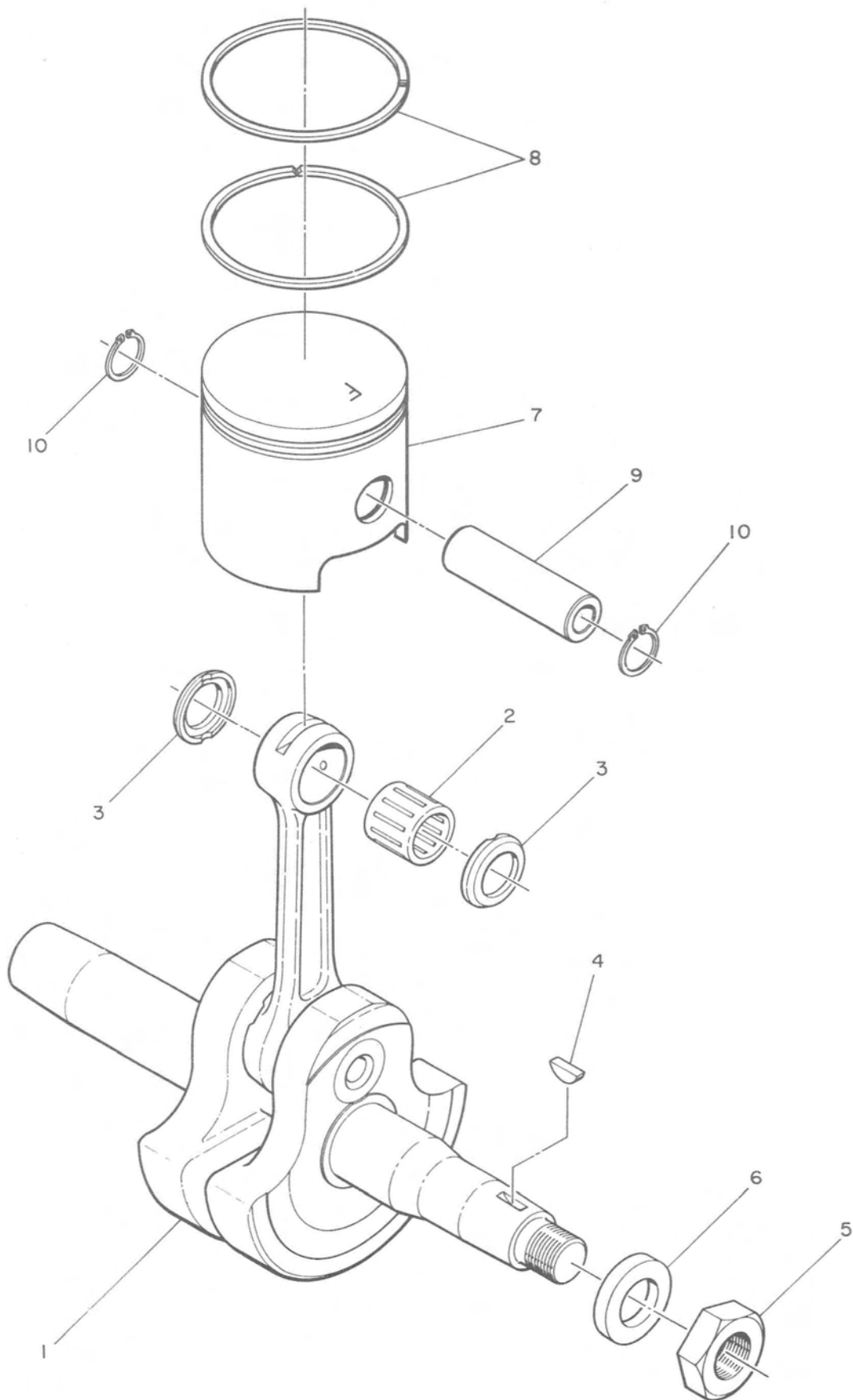
CRANKCASE & CYLINDER — 250 & 340



CRANKSHAFT & PISTON — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3081224	Crankshaft Asm.	1	
2	3081629	Small End Bearing	1	
3	3081720	Piston Pin Spacer	2	
4	3081543	Woodruff Key	1	
5	3080639	Nut	1	
6	3080070	Washer	1	
7	3081225	Piston - Standard	1	
	3081732	Piston - .020 Oversize	1	
8	3080259	Piston Ring - Standard	2	
	3081724	Piston Ring - .020 Oversize	2	
9	3081522	Piston Pin	1	
10	3081718	Piston Pin Clip.	2	

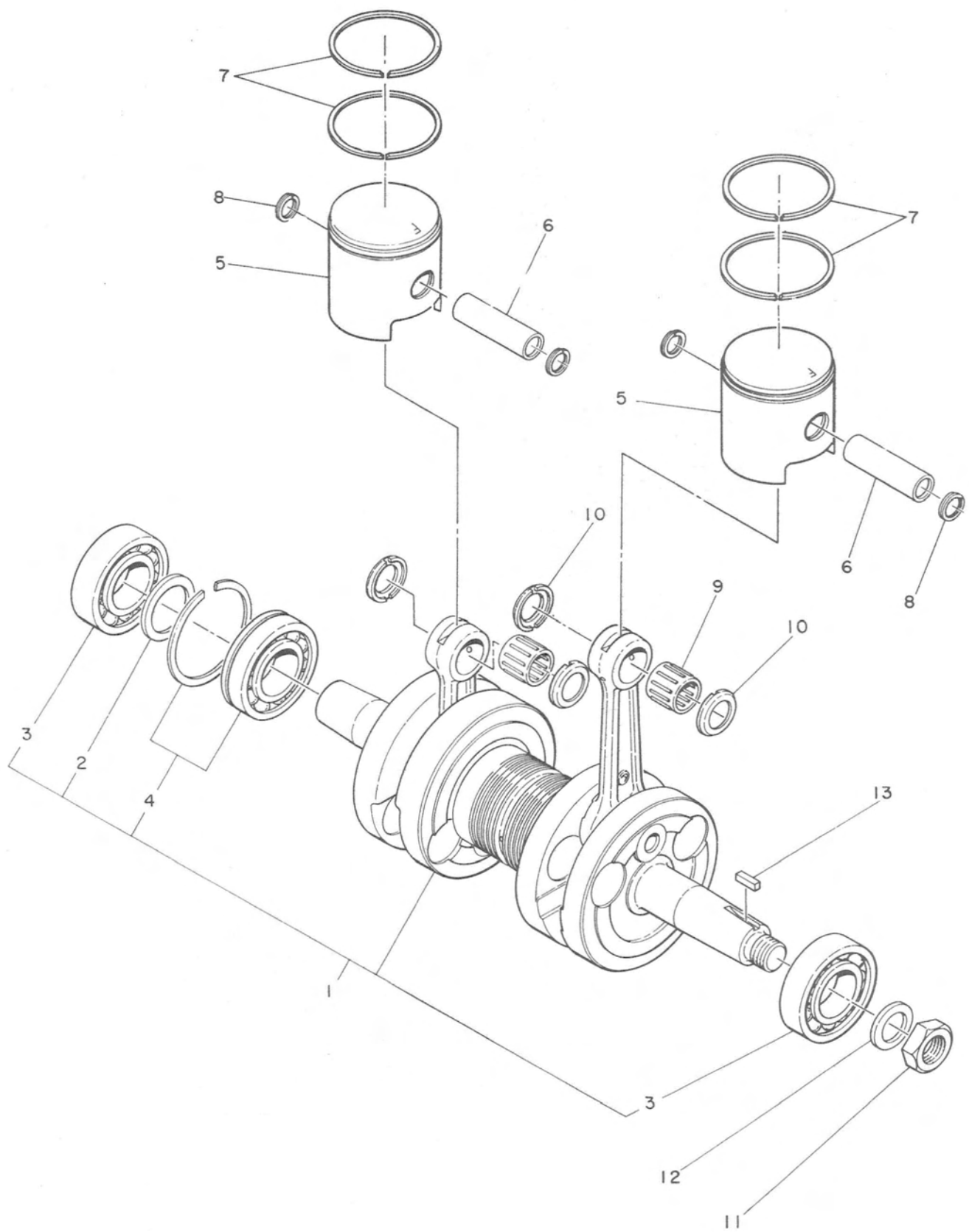
CRANKSHAFT & PISTON — 244



CRANKSHAFT & PISTON — 250 & 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3081445	Crankshaft Asm. (Incl. 1-4)	1	1
2	3080447	Spacer	1	1
3	3080004	Ball Bearing	4	4
4	3080243	Ball Bearing	1	1
5	3082633	Piston - Standard	2	
	3082701	Piston - .020 Oversized	2	
	3082634	Piston - Standard		2
	3082703	Piston - .020 Oversized		2
6	3081919	Piston Pin	2	
	3080126	Piston Pin		2
7	3082635	Piston Ring - Standard	4	
	3082702	Piston Ring - .020 Oversized	4	
	3082636	Piston Ring - Standard		4
	3082704	Piston Ring - .020 Oversized		4
8	3081714	Clip	4	4
9	3081648	Small End Bearing	2	2
10	3082191	Piston Pin Spacer	4	
	3082409	Piston Pin Spacer		4
11	3080639	Nut	1	1
12	3082805	Washer	1	1
13	3081447	Key	1	1

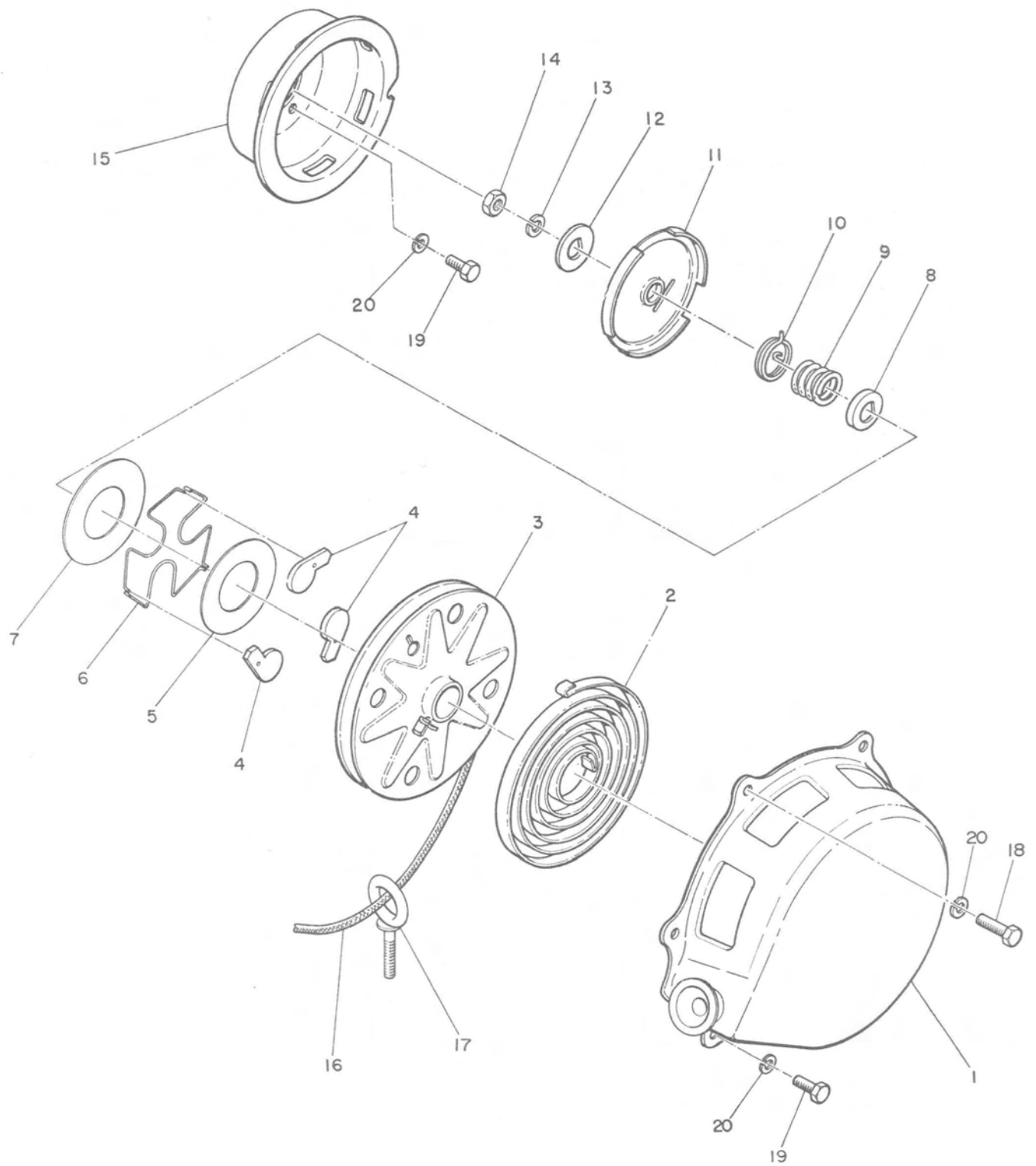
CRANKSHAFT & PISTON — 250 & 340



RECOIL STARTER — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	3082602	Recoil Starter Asm.	1	
1	3082603	Starter Case	1	
2	3082415	Power Spring	1	
3	3082488	Reel	1	
4	3082318	Ratchet	3	
5	3082604	Slide Plate	1	
6	3082319	Return Spring	3	
7	3082490	Slide Plate	1	
8	3082320	Washer	1	
9	3081942	Friction Spring	1	
10	3082118	Return Spring	1	
11	3082605	Friction Plate	1	
12	3081240	Washer	1	
13	3081087	Spring Washer	1	
14	3081086	Nut	1	
15	3082607	Starting Pulley	1	
16	3082416	Starter Rope	1	
17	7080072	Eye Bolt	1	
18	3080291	Bolt	1	
19	3080146	Bolt	8	
20	3080077	Spring Washer	9	

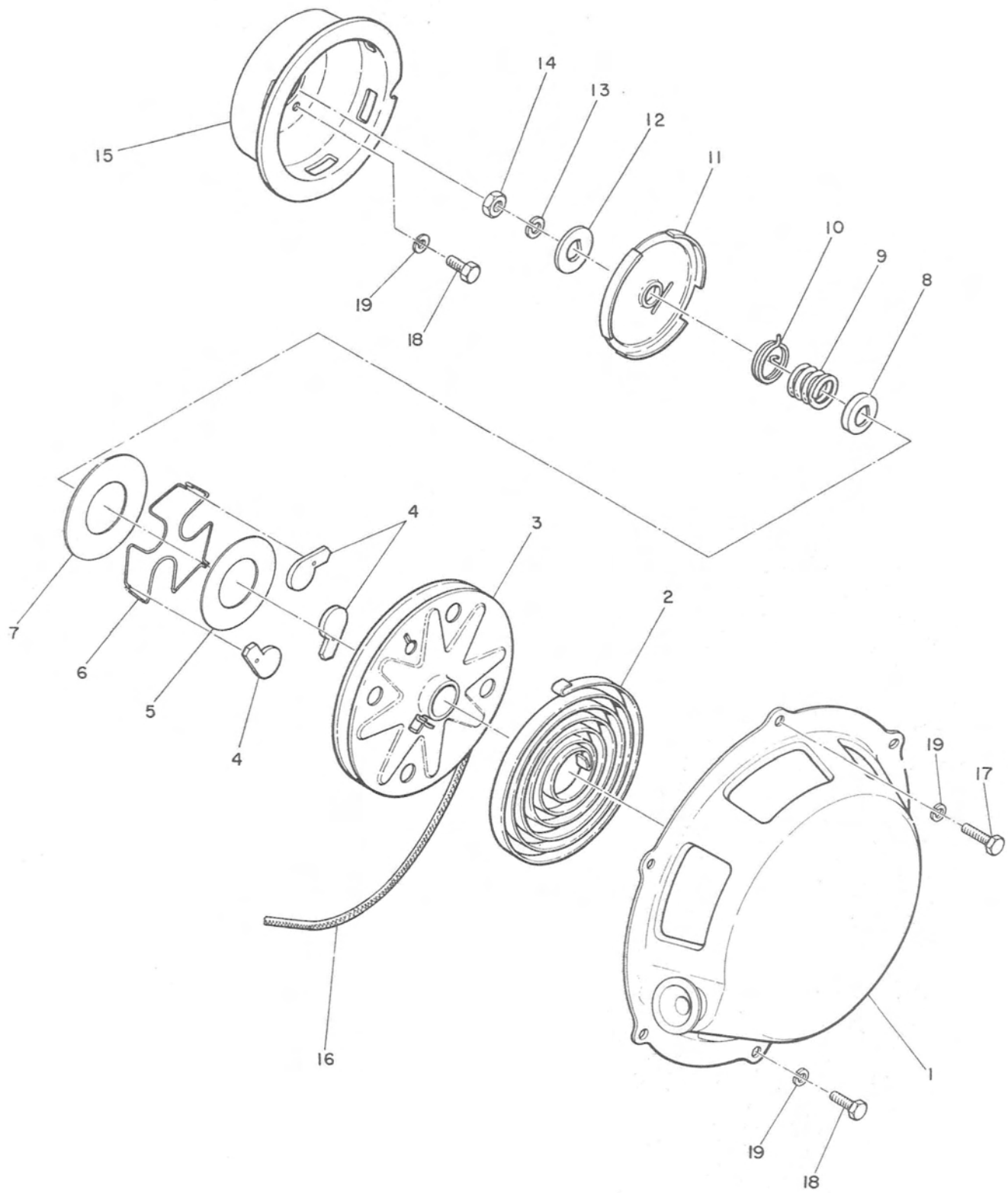
RECOIL STARTER — 244



RECOIL STARTER — 250 & 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	3082617	Recoil Asm.	1	1
1	3082618	Starter Case	1	1
2	3082415	Power Spring	1	1
3	3082488	Reel	1	1
4	3082318	Ratchet	3	3
5	3082489	Slide Plate	1	1
6	3082319	Return Spring	3	3
7	3082490	Slide Plate	1	1
8	3082320	Washer A	1	1
9	3081942	Friction Spring	1	1
10	3082118	Return Spring	1	1
11	3082605	Friction Plate	1	1
12	3081240	Washer B	1	1
13	3081087	Spring Washer	1	1
14	3081086	Nut	1	1
15	3082643	Starting Pulley	1	1
16	3082669	Starter Rope	1	1
17	3080291	Bolt	1	1
18	3080146	Bolt	1	1
19	3080077	Spring Washer	1	1

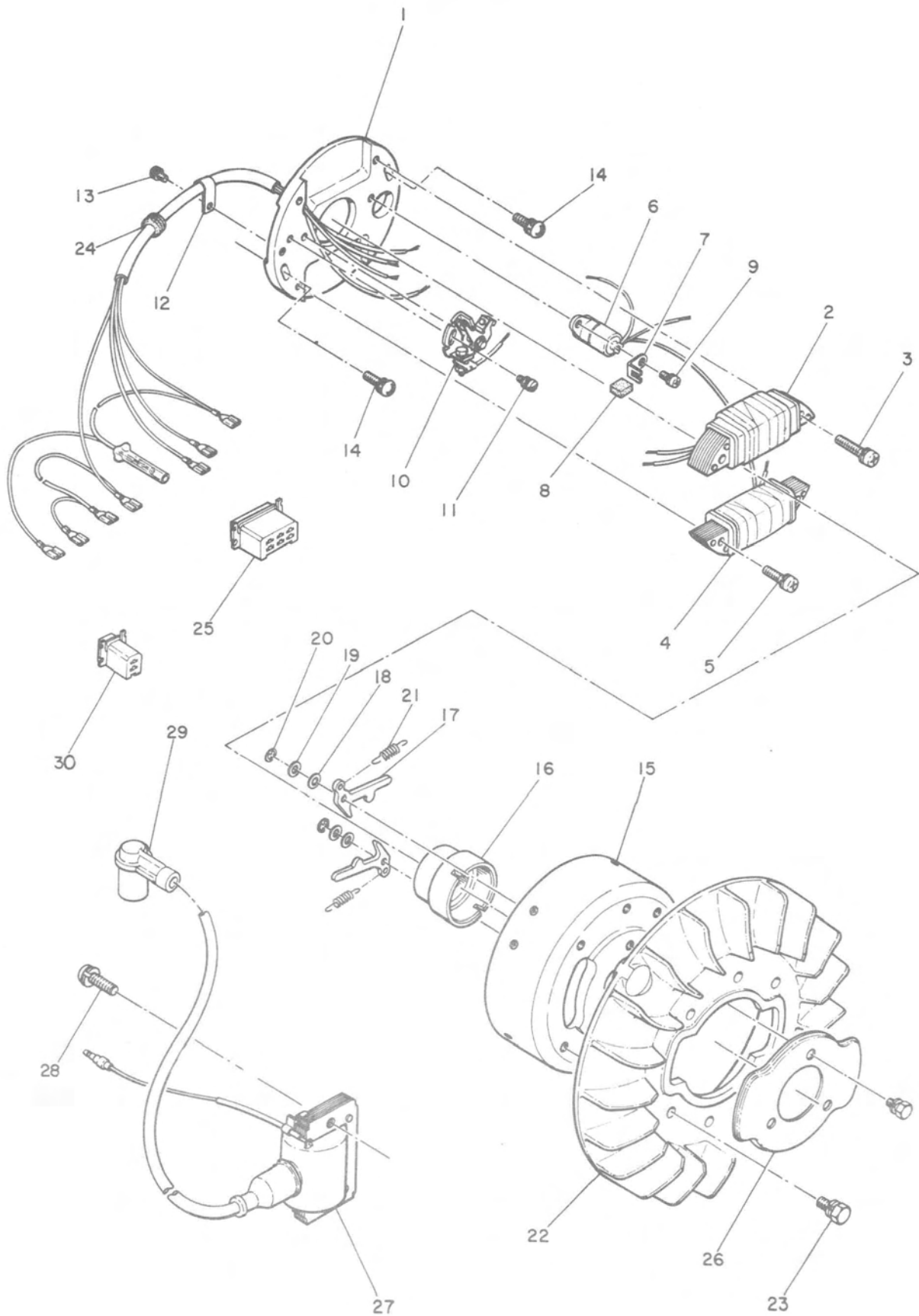
RECOIL STARTER — 250 & 340



MAGNETO — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3082600	Plate Asm. (Incl. 2-13, 14)	1	
2	3081250	Lamp Coil	1	
3	3081251	Screw & Washer Asm.	2	
4	3081252	Exciting Coil	1	
5	3081253	Screw & Washer Asm.	2	
6	3081970	Condenser	1	
7	3081255	Felt Holder	1	
8	3080423	Oil Felt	1	
9	3081256	Screw & Washer Asm.	1	
10	3081257	Contact Breaker	1	
11	3081258	Screw & Washer Asm.	1	
12	3081296	Clamp	1	
13	3081260	Screw & Washer Asm.	1	
14	3081972	Screw & Washer Asm.	2	
15	3081262	Fly Wheel Asm.	1	
16	3081263	Cam	1	
17	3081264	Governor Weight	2	
18	3081265	Adjust Washer	2	
19	3081266	Adjust Washer	2	
20	3081267	Snap Ring	2	
21	3081268	Governor Spring	2	
22	3081269	Blower	1	
23	3081270	Bolt & Washer Asm.. . . .	6	
24	3081511	Grommet	1	
25	3081513	GP Coupler.	1	
26	3081973	Window Cover.	1	
27	3081974	Ignition Coil	1	
28	3080049	Screw	1	
	3080077	Washer	1	
29	4020129	Spark Plug Cap	1	
30	3082601	Coupler	1	

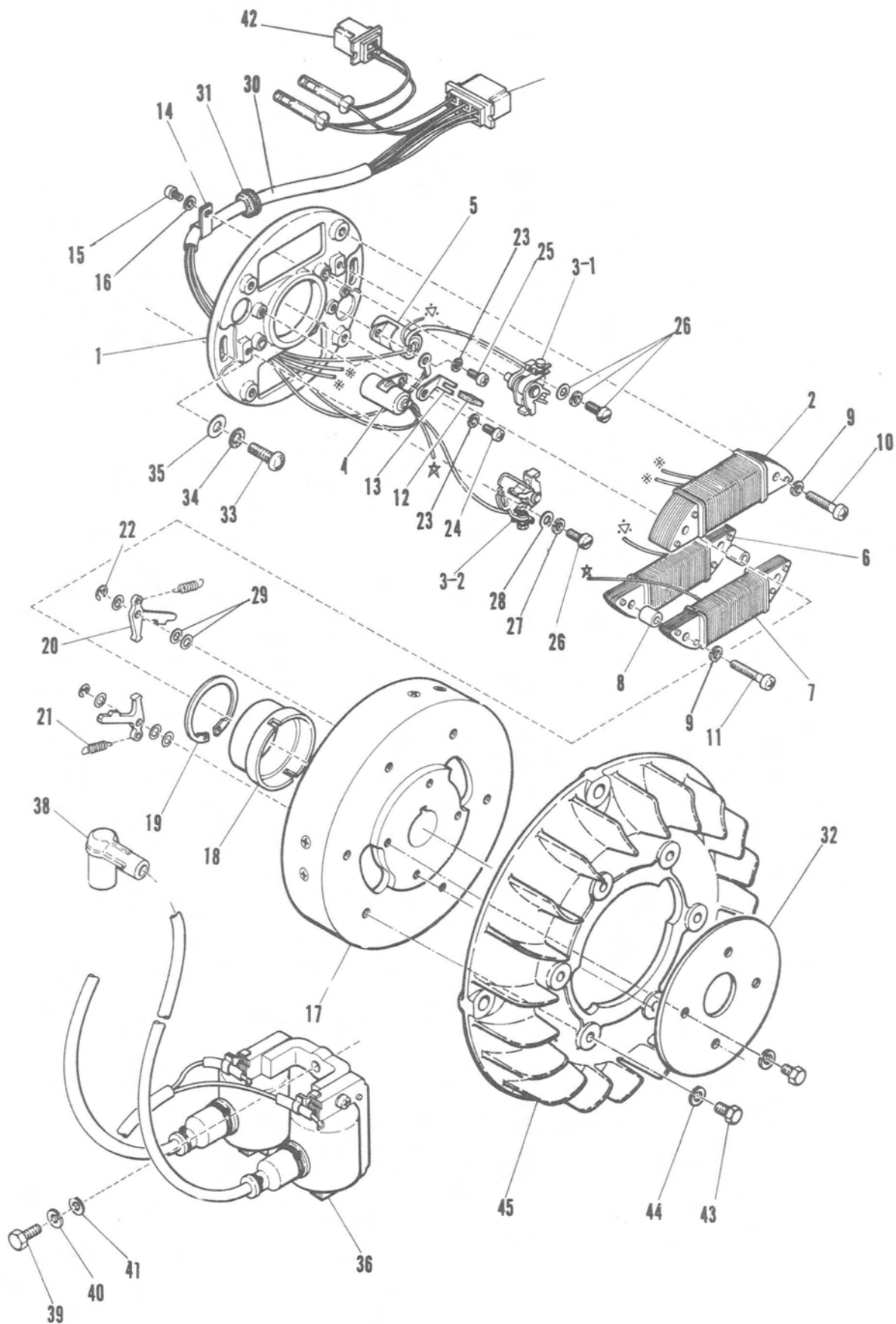
MAGNETO — 244



MAGNETO — 250 & 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3081127	Plate Assembly (Incl. 2-16, 24-28,30,31,37,43)		
2	3081130	Lighting Coil	1	1
3-1	3082202	Contact Breaker	1	1
3-2	3082203	Contact Breaker	1	1
4	3081134	Condenser	1	1
5	3081133	Condenser	1	1
6	3081136	Exciting Coil	1	1
7	3081137	Exciting Coil	1	1
8	3082829	Collar	2	2
9	3081139	Spring Washer	2	2
10	3081342	Screw	2	2
11	3081251	Screw	2	2
12	3080423	Oil Felt	1	1
13	3081145	Felt Holder	1	1
14	3081146	Clamp	1	1
15	3081464	Screw	1	1
16	3081168	Spring Washer	3	3
17	3082839	Flywheel	1	1
18	3081154	Cam	1	1
19	3081156	Snap Ring	1	1
20	3081157	Governor Weight	2	2
21	3081159	Governor Spring	2	2
22	3081267	Snap Ring	2	2
23	3081163	Washer	1	1
24	3081467	Screw	1	1
25	3081256	Screw	1	1
26	3081258	Screw	2	2
27	3081168	Spring Washer	2	2
28	3081169	Washer	2	2
29	3081170	Adjust Washer	4	4
30	N/A	Wire Harness		
31	3081511	Grommet	1	1
32	3081302	Window Cover	1	1
33	3082268	Screw	2	2
34	3081181	Lock Washer	2	2
35	3080078	Washer	2	2
36	3081177	Ignition Coil	1	1
37	3081513	Coupler	1	1
38	4020129	Spark Plug Cap	2	2
39	3081612	Plug Cap Spring	2	2
40	3081179	Bolt	2	2
41	3080077	Spring Washer	2	2
42	3080078	Washer	2	2
43	3082601	Coupler	1	1
44	3082615	Bolt	6	6
45	3081186	Spring Washer	6	6
	3082642	Blower	1	1

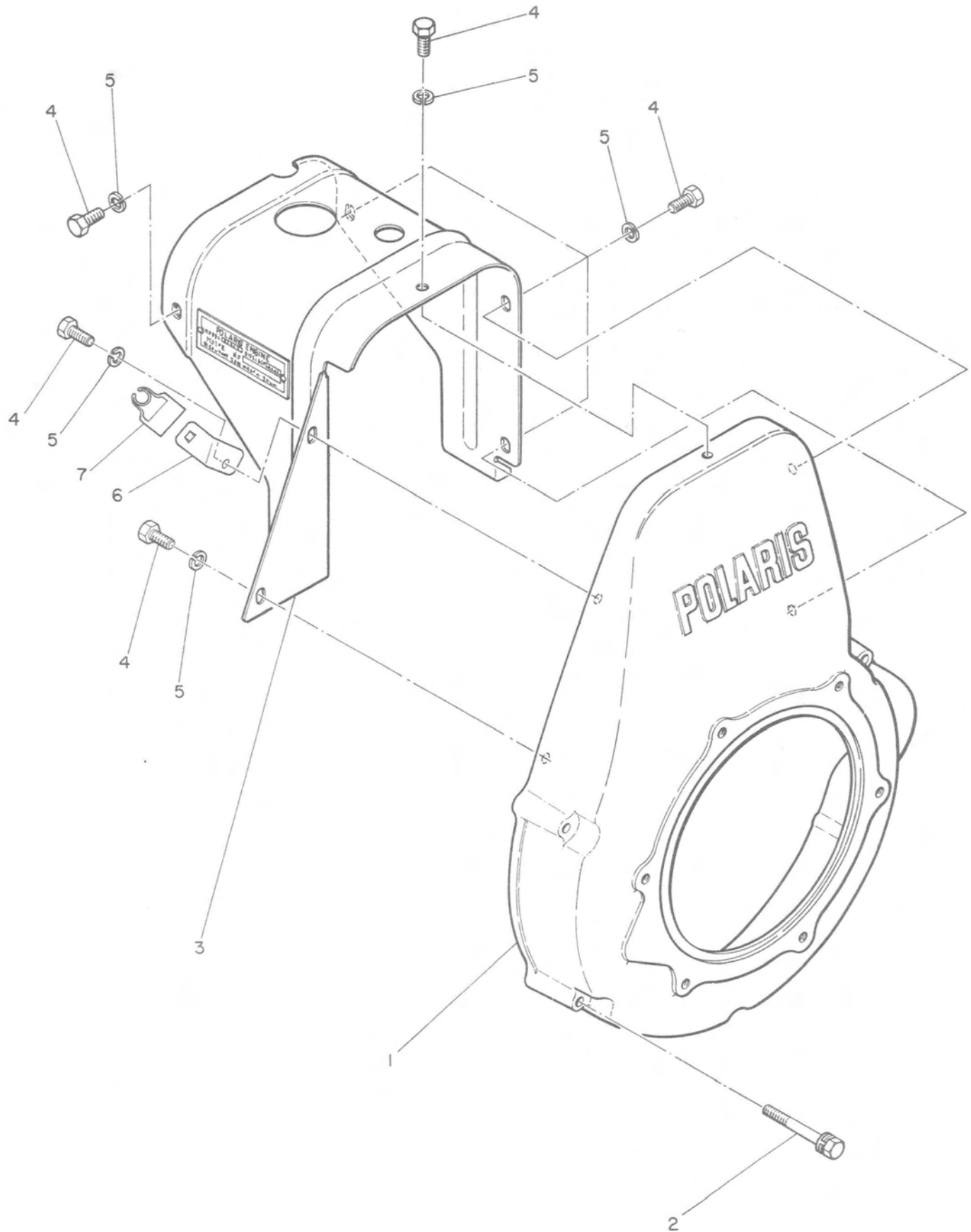
MAGNETO - 250 & 340



BLOWER HOUSING — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3082029	Blower Housing		1
2	3081227	Bolt		5
	3080077	Spring		5
	3080078	Washer		5
3	3082167	Cylinder Baffle		1
4	3080290	Bolt		7
5	3080077	Spring Washer		7
6	3082837	Bracket		1
7	3082877	Support		1

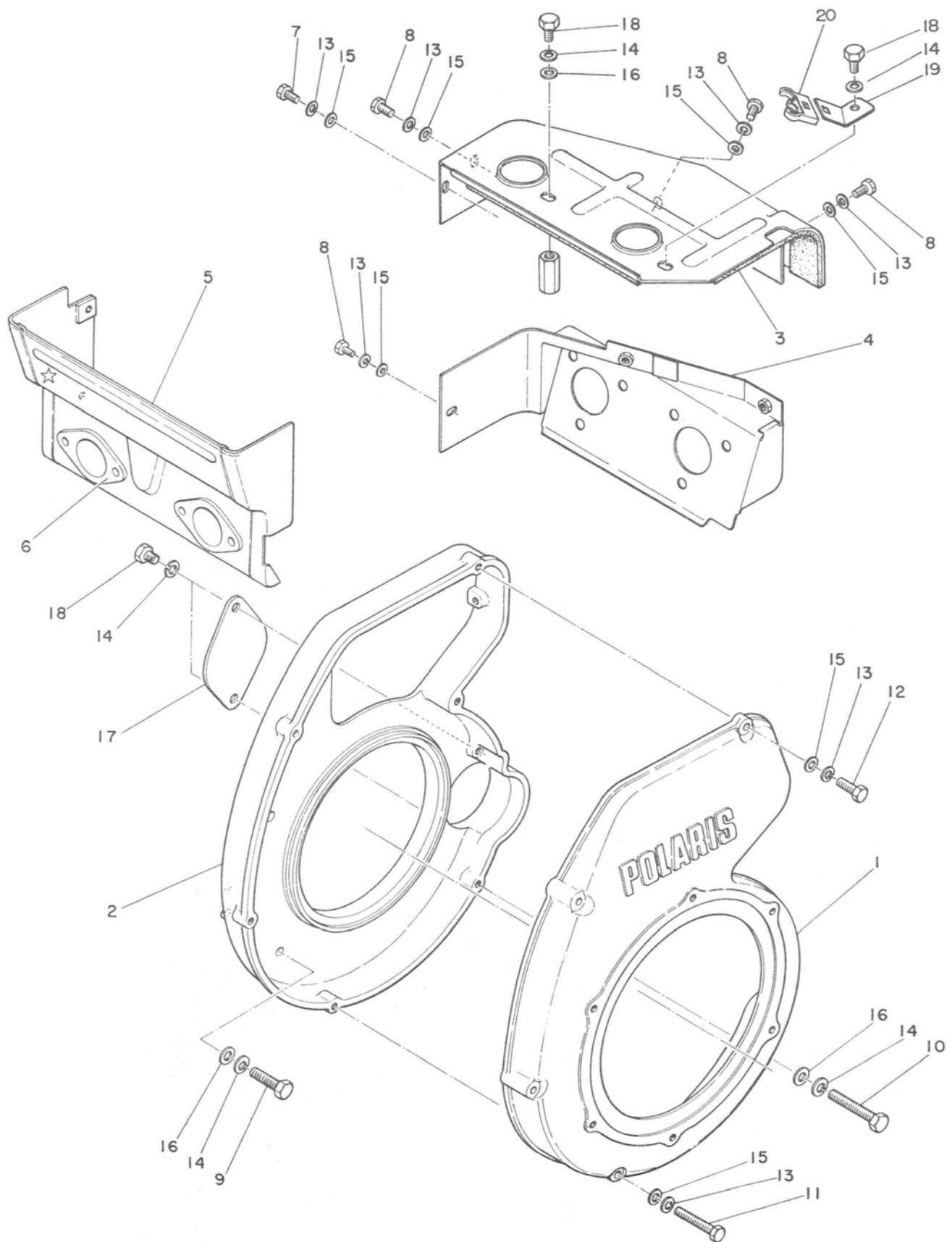
BLOWER HOUSING — 244



BLOWER HOUSING — 250 & 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3080784	Blower Housing No. 1	1	1
2	3082637	Blower Housing No. 2	1	1
3	3082638	Cylinder Baffle No. 1.	1	1
4	3082639	Cylinder Baffle No. 2.	1	1
5	3082640	Cylinder Baffle No. 3.	1	1
6	3080252	Gasket	2	2
7	3070788	Bolt	1	1
8	3080290	Bolt	4	4
9	3080589	Bolt	3	3
10	3080355	Bolt	1	1
11	3080109	Bolt	4	4
12	3082504	Bolt	1	1
13	3082077	Spring Washer	10	10
14	3080530	Spring Washer	8	8
15	3080078	Washer	10	10
16	3080142	Washer	6	6
17	3080585	Starter Blind Cover	1	1
18	3080289	Bolt	4	4
19	3082837	Bracket	1	1
20	3082731	Support	1	1

BLOWER HOUSING — 250 & 340

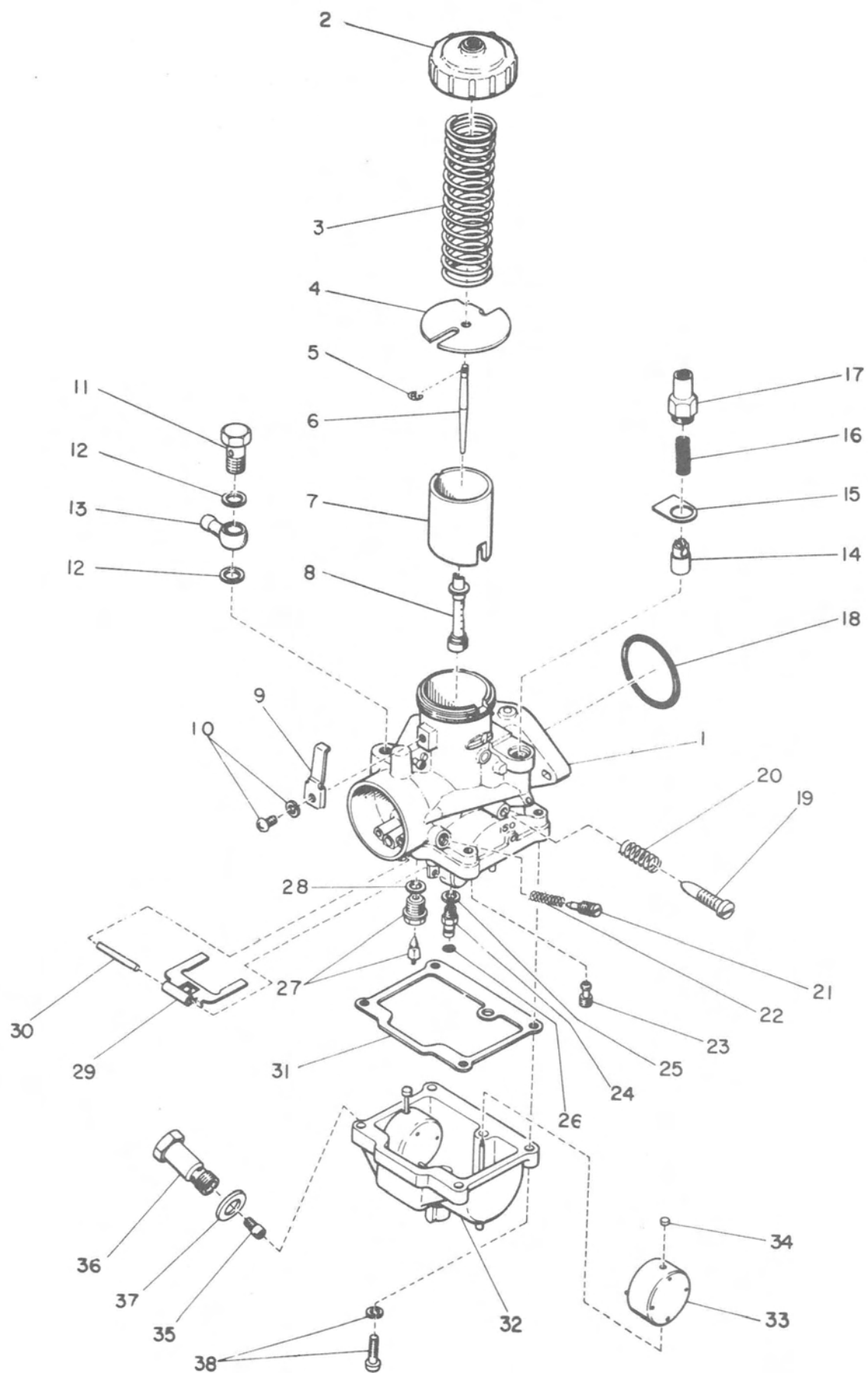


CARBURETOR — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	3082071	Carburetor Assembly)Incl. 1-38)		1
1	N.A.	Main Body		1
2	3080512	Cap		1
3	3080811	Throttle Spring		1
4	3080513	Throttle Plate		1
5	3080546	'E' Ring		1
6	3080812	Jet Needle		1
7	3081453	Throttle Valve		1
8	3080815	Needle Jet		1
9	3081109	Plate		1
10	3081454	Screw w/Washer		1
11	3080178	Banjo Bolt		1
12	3080177	Washer		1
13	3080176	Banjo Connector		1
14	3080540	Starter Plunger		1
15	3081114	Washer		1
16	3080821	Spring		1
17	3081455	Plunger Cap		1
18	3080824	O-Ring		1
19	3080538	Throttle Stop Screw		1
20	3080169	Spring		1
21	3080537	Air Screw		1
22	3080179	Spring		1
23	3080632	No. 35 Pilot Jet		1
24	3080818	Needle Jet Setter		1
25	3080172	Washer		1
26	3080819	'O' Ring		1
27	3081111	Needle Valve		1
28	3080524	Packing		1
29	3080522	Float Arm		1
30	3080363	Float Pin		1
31	3081247	Packing		1
32	N.A.	Bowl		1
33	3080534	Float		2
34	3080535	Cap		2
35	3081319	No. 125 Main Jet		1
36	3080826	Banjo Bolt		1
37	3081122	Washer		1
38	3081288	Screw w/Washer		4

Note - Qty's Per Carburetor

CARBURETOR — 244

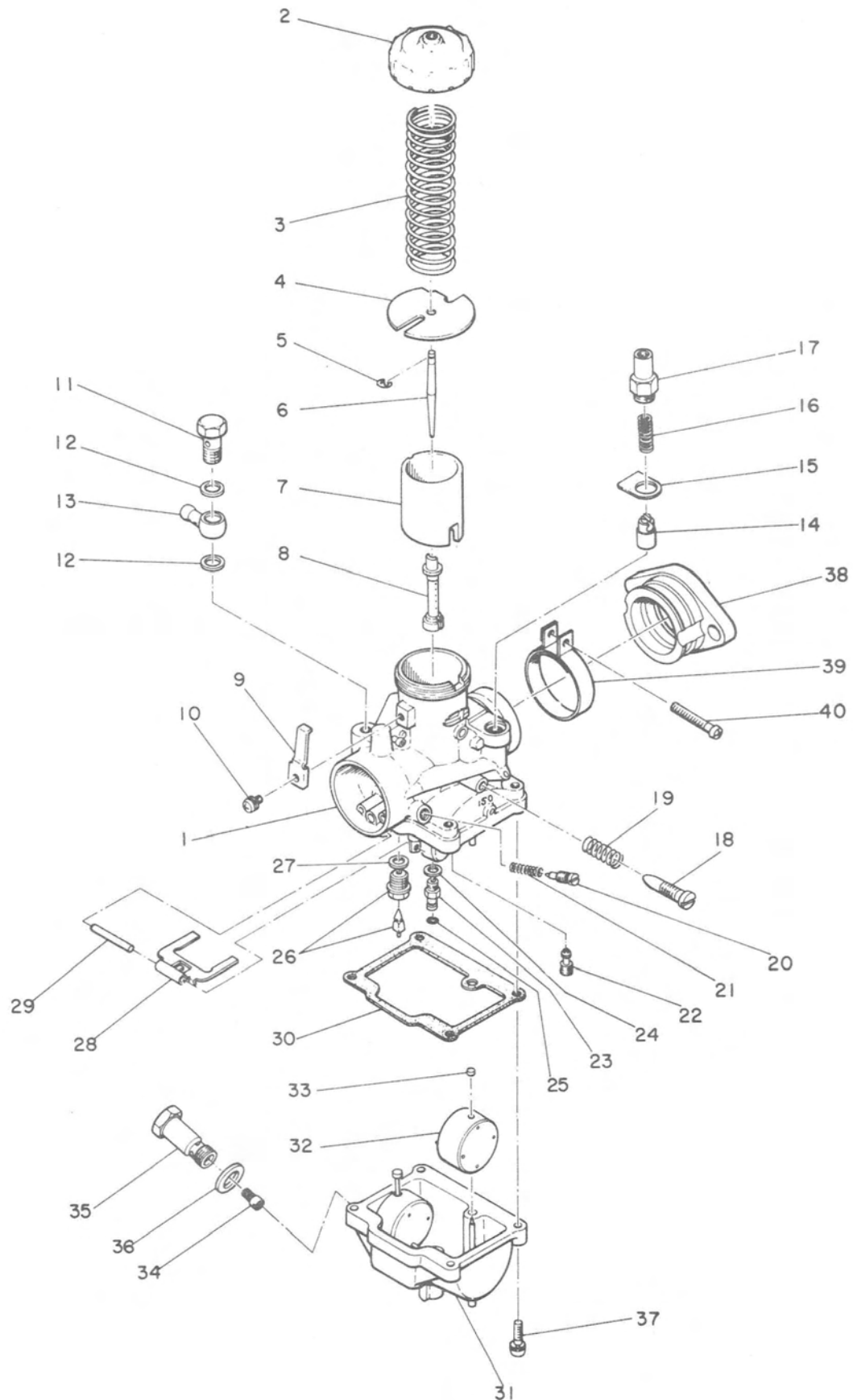


CARBURETOR — 250

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3082914	Carburetor Ass'y. (Incl. 2-37)	2	
2	3080512	Cap	1	
3	3082358	Throttle Spring	1	
4	3080513	Throttle Plate	1	
5	3080546	'E' Ring	1	
6	3082412	Jet Needle	1	
7	3081453	Throttle Valve	1	
8	3080814	Needle Jet	1	
9	3081109	Plate	1	
10	3081454	Screw w/Washer	1	
11	3080178	Banjo Bolt	1	
12	3080177	Washer	1	
13	3080176	Banjo Connector	1	
14	3080540	Starter Plunger Ass'y.	1	
15	3081114	Washer	1	
16	3080821	Plunger Spring	1	
17	3081455	Plunger Cap	1	
18	3080168	Throttle Stop Screw	1	
19	3080169	Throttle Adjuster Spring	1	
20	3080537	Air Screw	1	
21	3080179	Spring	1	
22	3080632	No. 35 Pilot Jet	1	
23	3080818	Needle Jet Setter	1	
24	3080172	Washer	1	
25	3080819	'O' Ring	1	
26	3081111	Needle Valve	1	
27	3080524	Packing	1	
28	3080522	Float Arm	1	
29	3082397	Float Pin	1	
30	3081247	Float Chamber Packing	1	
31	N.A.	Float Chamber	1	
32	3080534	Float Ass'y.	2	
33	3080535	Cap	2	
34	3082778	No. 120 Main Jet	1	
35	3080826	Banjo Bolt	1	
36	3081122	Washer	1	
37	3081288	Screw w/Washer	4	
38	1251070	Adapter	1	
39	3081458	Adapter Band	1	
40	3081497	Screw	1	

Note-Qty's Per Carburetor

CARBURETOR — 250



CARBURETOR — 340

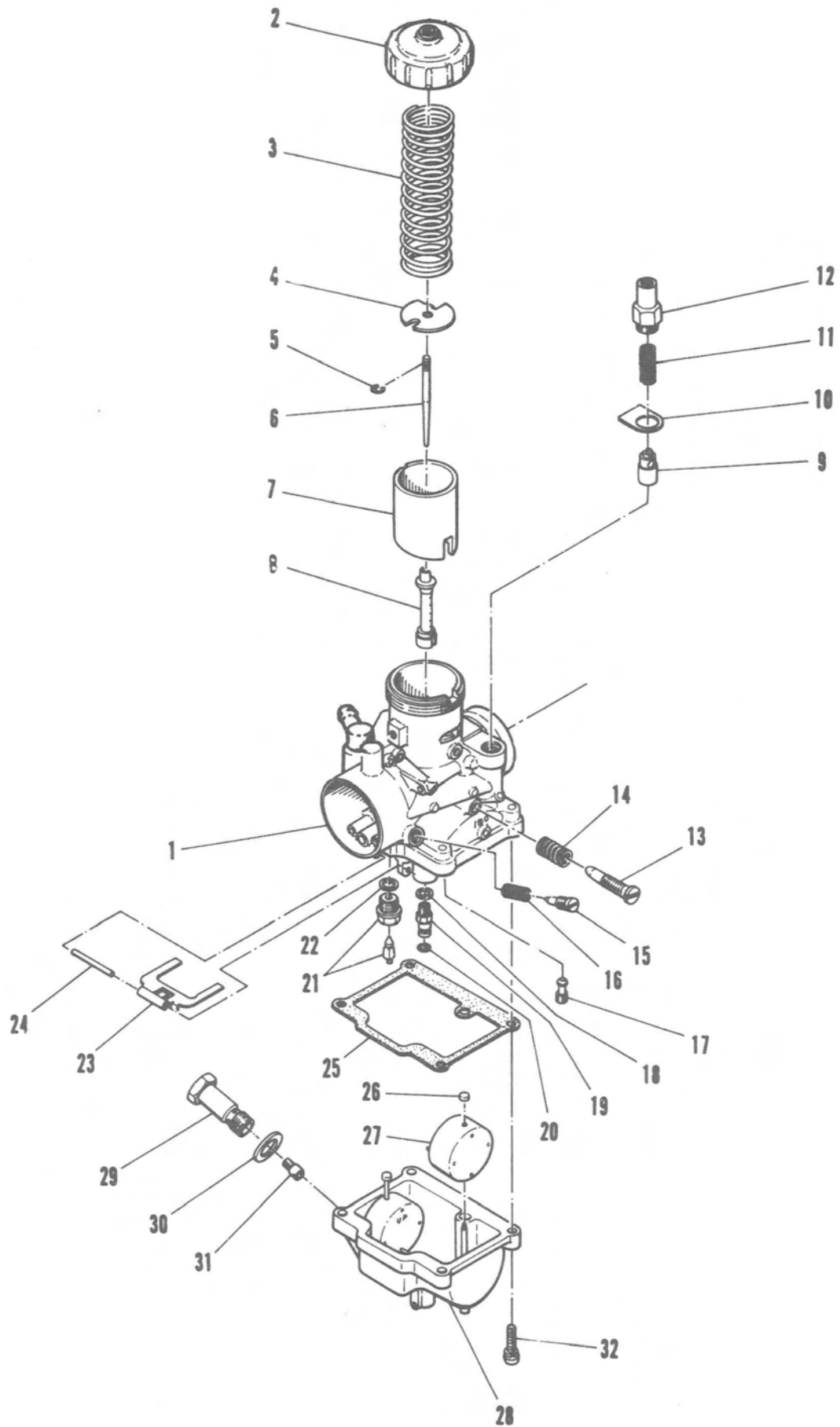
ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3082844	Carburetor VM26SS (Incl. 2-32)		2
2	3080512	Cap		1
3	3082358	Throttle Spring		1
4	3080513	Throttle Plate		1
5	3080546	'E' Ring		1
6	3080812	Jet Needle - S/S 340		1
7	3081453	Throttle Valve		1
8	3082014	Needle Jet		1
9	3080540	Starter Plunger Ass'y.		1
10	3081114	Washer		1
11	3080821	Plunger Spring		1
12	3081455	Plunger Cap		1
13	3080168	Throttle Stop Screw		1
14	3080169	Throttle Adjuster Spring		1
15	3080537	Air Screw		1
16	3080179	Spring		1
17	3080632	No. 35 Pilot Jet		1
18	3080172	Washer		1
19	3080818	Needle Jet Setter		1
20	3080819	'O' Ring		1
21	3081111	Needle Valve		1
22	3080524	Packing		1
23	3080522	Float Arm		1
24	3082397	Float Pin		1
25	3081247	Float Chamber Packing		1
26	3080535	Cap		2
27	3080534	Float Ass'y.		2
28	N/A	Float Chamber		1
29	3080826	Banjo Bolt		1
30	3081122	Washer		1
31	3082779	No. 130 Main Jet		1
32	3081288	Screw w/Washer		4

Note-Qty's. Per Carburetor

NOTE: If engine is marked with "N" on casting, the following must be done for replacement parts of the carburetor.

- Use 04 Carburetor (Cobra)
- J/N 5EP6-3 Part No. 3082878 &
- "E" Clip Part No. 3080546

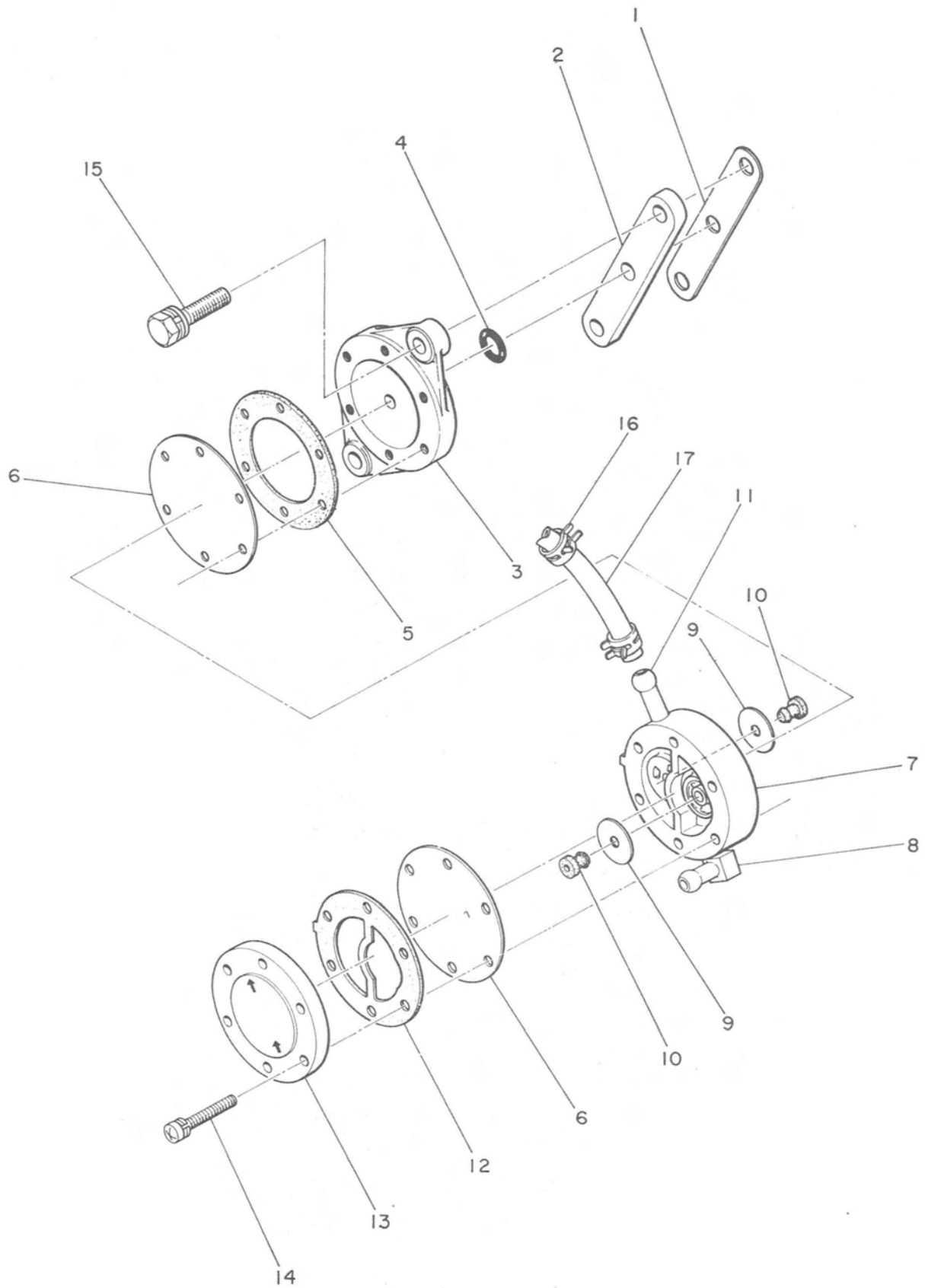
CARBURETOR — 340



FUEL PUMP — 244

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
1	3081273	Gasket		1
2	3081274	Insulator		1
3	3081990	Fuel Pump Asm. (Incl. 4-14)		1
	N/A	Bottom Gasket.		
4	3080850	'O' Ring.		1
5	3081525	Packing - Bottom		1
6	3081526	Diaphragm		2
7	N/A	Top Body		
8	3081976	Elbow		1
9	3081528	Valve		2
10	3081529	Grommet		2
11	3081280	Pipe		1
12	3081530	Packing		1
13	N/A	Cap		1
14	3081286	Screw w/Washer		6
15	3081287	Bolt		2
	3080077	Spring Washer		2
	3080078	Washer		2
16	7080050	Hose Clamp		2
17	3080851	Rubber Pipe		1

FUEL PUMP — 244



FUEL PUMP — 250 & 340

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.	
			GEMINI	APOLLO
	3080842	Fuel Pump Asm. (Incl. 1-10)	1	1
1	N/A	Bottom Body		
2	3081380	Bottom Gasket	1	1
3	3080844	Diaphragm	2	2
4	N/A	Top Body		
5	3081989	Valve	2	2
6	3081529	Grommet	2	2
7	3081384	Top Gasket	1	1
8	N/A	Cap		
9	3081286	Screw & Washer Asm.	6	6
10	3080850	'O' Ring	1	1
11	3080107	Bolt	2	2
12	3080077	Spring Washer	2	2
13	3980078	Washer	2	2
14	3082362	Rubber Pipe	2	2
15	7080050	Hose Clamp	4	4
16	3080473	Insulator	1	1
17	3080475	Gasket	1	1

FUEL PUMP — 250 & 340

