

1971 PARTS MANUAL

POLARIS

VOYAGER

MUSTANG

CHARGER

TX CHARGER

PLAYMATE

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BODY & TRIM

Group I

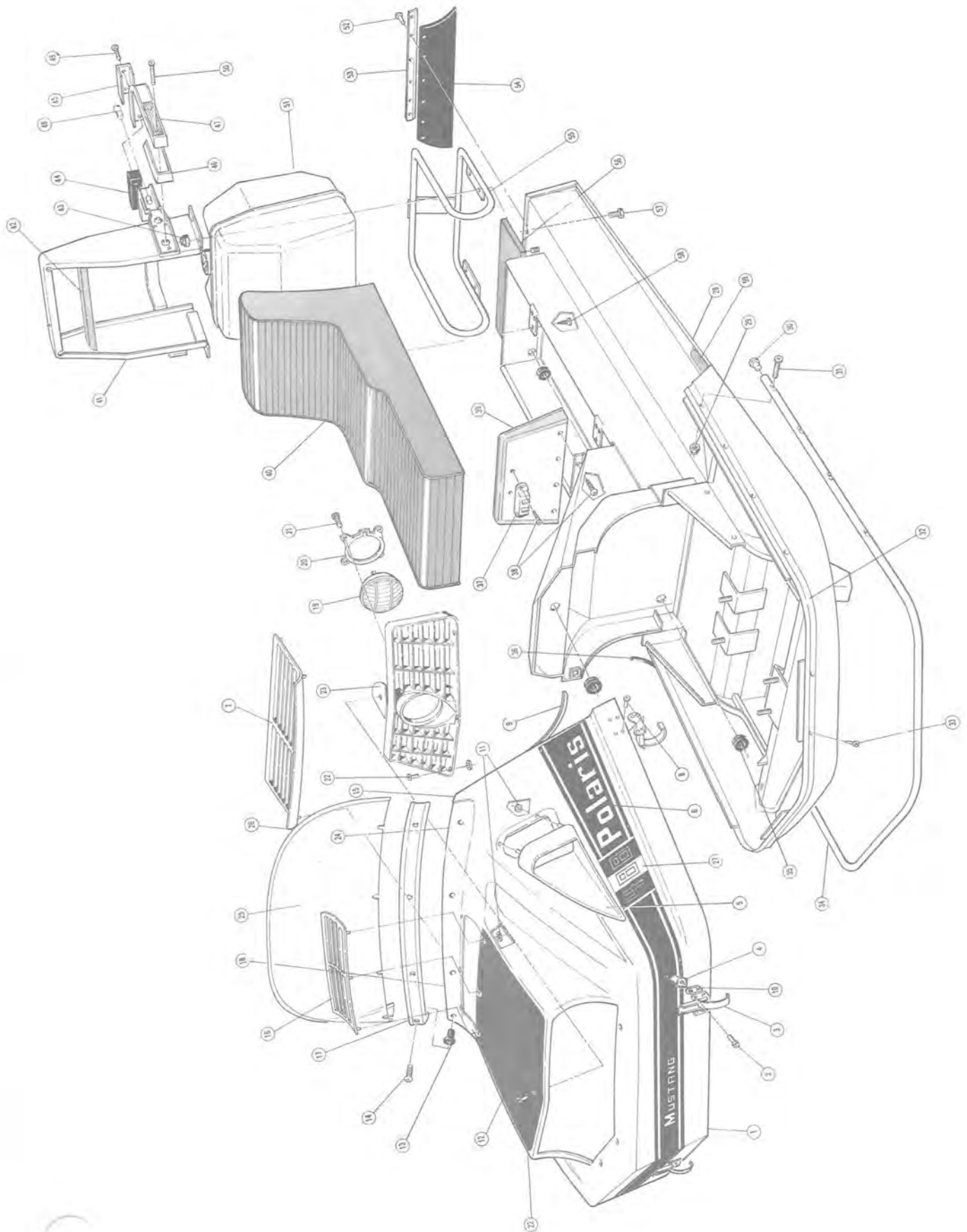
BODY & TRIM

(MUSTANG)

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
	2631076	NOSE CONE ASSEMBLY (INCLUDES ITEMS 1 THRU 24)	
1	5440061	NOSE CONE	1
2	7621203	1/8 x .634 POP RIVET	8
3	7010002	LATCH	4
4	7558206	NO. 4 FLAT WASHER	8
5	5430080	AIR SCOOP L.H.	1
	5430081	AIR SCOOP R.H.	1
6	7071162	DECAL "POLARIS MUSTANG" L.H.	1
	7071163	DECAL "POLARIS MUSTANG" R.H.	1
7	5430083	DASH GRILL	1
8	7621201	1/8 x .481 POP RIVET	8
9	5510012	JIFFY TRIM	1
10	5210181	LATCH SPACER	2
11	7670009	PUSH ON NUT	12
12	7071192	SHROUD DECAL	1
13	7541901	10 - 32 WELL NUT	5
14	7511904	10 - 32 x 3/4 PAN HD. MACH. SCR.	5
15	7071194	SAFETY DECAL (NOT SHOWN)	
16	5430088	HOOD LOUVER	
17	5223396	ATTACHING BAND	1
18	7071149	DECAL "STAR POWER BY POLARIS"	1
19	4030007	HEADLIGHT	1
20	5221126	RETAINING RING	1
21	7527601	NO. 6 - 20 x 3/8 PAN HD. CUTTING SCR.	4
22	7621315	5/32 x .625 POP RIVET (BLACK)	5
23	5430082	GRILL	1
24	7071191	DECK DECAL R.H. (NOT SHOWN)	1
	7071190	DECK DECAL L.H. (NOT SHOWN)	1
25	5850015	WINDSHIELD	1
26	5521004	WINDSHIELD TRIM	1
27	7071172	DECAL "398" L.H.	1
	7071171	DECAL "398" R.H.	1
	7071174	DECAL "488" L.H.	1
	7071173	DECAL "488" R.H.	1
28	1012010	MAIN BODY WELDMENT - 398, 488M & 398E	1
	1012016	MAIN BODY WELDMENT 488E	1
29	7542103	1/4 - 20 FLEX LOC NUT	8
30	5710020	BUMPER PLUG	2
31	7512107	1/4 - 20 x 1 1/4 PH. PAN HD. MACH. SCR.	8
32	5223523	PARTING LINE EXTRUSION	1
33	7621302	5/32 x .379 POP RIVET	4
34	2670025	FRONT BUMPER	1
35	5410021	RUBBER GROMMET	5
36	5420034	SPONGE ROPE 28" - SIDE	2
	5420033	SPONGE ROPE 11" FRONT	2
37	7010001	MAGNETIC LATCH	1
38	7527809	NO. 8 x 5/8 PH. HD. TAPPING SCR.	5
39	2681058	CONSOLE CUSHION	1
40	2681043	SEAT CUSHION	1
41	2511054	TEE PEE WELDMENT	1
42	5332227	GAS TANK SPACER	1
43	7542303	5/16 - 18 FLEX LOC NUT	4
44	5420051	TAILLIGHT SPACER	1
45	5221308	TAILLIGHT SUPPORT	2
46	5430075	LENS SUPPORT	2
47	5430076	TAILLIGHT LENS	2
48	4030001	TAILLIGHT BULB	6
49	7527810	NO. 8 - 32 x 1 1/4 PH. REC. SCR. OVAL HD.	2
50	7527808	NO. 8 - 32 x 1 PH. OVAL HD. STL. CUT SCR.	4
51		SEE GAS TANK ASSEMBLY	1
52	7621401	3/16 x .527 POP RIVET	5
53	5223228	BACKING - MUD FLAP	1
54	5410116	MUD FLAP	1
55	2670022	REAR BUMPER	1
56	5420064	GAS TANK PAD	1
57	7512310	5/16 - 18 x 1 HEX HD. CAP SCR.	4
58	7522004	NO. 10 x 1/2 PH. DRIVE HD. SELF TAP SCR.	6
59	5210409	SAFETY WALK	2

BODY & TRIM

(MUSTANG)



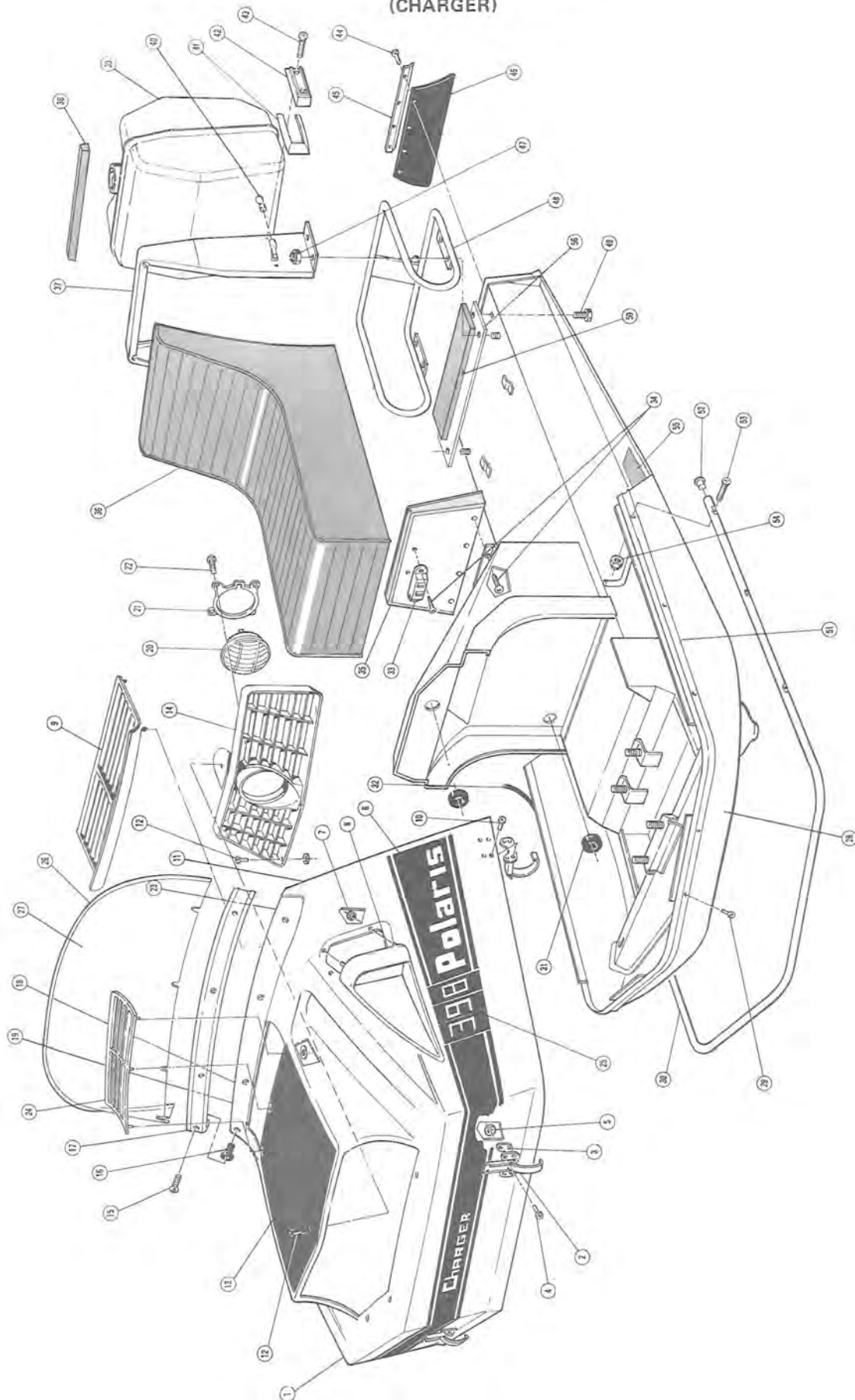
BODY & TRIM

(CHARGER)

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
	2631075	NOSE CONE ASSEMBLY (INCLUDES ITEMS 1 THRU 24)	
1	5440062	NOSE CONE	1
2	7010002	HOOD LATCH	4
3	5210181	HOOD LATCH SPACER	2
4	7621203	1/8 x .634 POP RIVET	8
5	7558206	NO. 4 FLAT WASHER	8
6	7071164	DECAL "POLARIS CHARGER" L.H.	1
	7071187	DECAL "POLARIS CHARGER" R.H.	1
7	7670009	PUSH ON NUT	18
8	5430080	AIR SCOOP L.H.	1
	5430081	AIR SCOOP R.H.	1
9	5430083	DASH GRILL	1
10	7621201	1/8 x .481 POP RIVET	8
11	5510012	HOOD TRIM (NOT SHOWN)	1
12	7621315	5/32 x .625 POP RIVET (BLACK)	5
13	7071192	SHROUD DECAL	1
14	5430082	GRILL	1
15	7511904	NO. 10 - 32 x 3/4 PAN HD. MACH. SCR.	5
16	7541901	NO. 10 - 32 WELL NUT	5
17	5223208	ATTACHING BAND	1
18	7071188	DECK DECAL L.H. (NOT SHOWN)	1
	7071189	DECK DECAL R.H. (NOT SHOWN)	1
19	7071149	DECAL "STAR POWER BY POLARIS" (NOT SHOWN)	1
20	4030007	HEADLIGHT	1
21	5221126	RETAINING RING	1
22	7527601	NO. 6 - 20 x 3/8 PAN HD. CUTTING SCR.	4
23	7071194	SAFETY DECAL (NOT SHOWN)	1
24	5430088	HOOD LOUVER	
25	7071178	DECAL "294" L.H.	1
	7071177	DECAL "294" R.H.	1
	7071180	DECAL "335" L.H.	1
	7071179	DECAL "335" R.H.	1
	7071182	DECAL "398" L.H.	1
	7071181	DECAL "398" R.H.	1
	7071184	DECAL "432" L.H.	1
	7071183	DECAL "432" R.H.	1
	7071186	DECAL "488" L.H.	1
	7071185	DECAL "488" R.H.	1
26	5521004	WINDSHIELD TRIM	1
27	5850011	WINDSHIELD	1
28	1011045	MAIN BODY WELDMENT - 294 & 335 cc	1
	1011046	MAIN BODY WELDMENT - 398 & 432 cc	1
	1011053	MAIN BODY WELDMENT - 488M & 398, 432, & 488E	
29	7621302	5/32 x .379 POP RIVET	4
30	2670023	FRONT BUMPER	1
31	5410021	RUBBER GROMMET	3
32	5420039	SPONGE ROPE 23 1/2" SIDE	2
	5420038	SPONGE ROPE 8 1/2" FRONT	2
33	7010001	MAGNETIC LATCH	1
34	7527809	NO. 8 x 5/8 PH. HD. TAPPING SCR.	6
35	2681058	CONSOLE CUSHION	1
36	2681045	SEAT CUSHION	1
37	2511070	TEE PEE WELDMENT	1
38	5332227	GAS TANK SPACER	1
39		SEE GAS TANK ASSEMBLY	1
40	4030001	TAILLIGHT BULB	2
41	5430075	TAILLIGHT SUPPORT LENS	2
42	5430024	TAILLIGHT LENS	2
43	7527808	NO. 8 - 32 x 1 PH. OVAL HEAD STL. CUT SCR.	4
44	7621401	3/16 x .527 POP RIVET	4
45	5223229	BACKING - MUD FLAP	1
46	5410115	MUD FLAP	1
47	7542303	5/16 - 18 FLEX LOC NUT	4
48	2670022	REAR BUMPER	1
49	7512310	5/16 - 18 x 1 HEX HD. MACH. SCR.	2
50	5420064	GAS TANK PAD	1
51	5223522	PARTING LINE EXTRUSION	1
52	5710020	BUMPER PLUG	2
53	7512107	1/4 - 20 x 1 1/4 PH. PAN HD. MACH. SCR.	6
54	7542103	1/4 - 20 FLEX LOC NUT	6
55	5210403	SAFETY WALK	2
56	5221410	GAS TANK REINFORCEMENT PLATE	1

BODY & TRIM

(CHARGER)

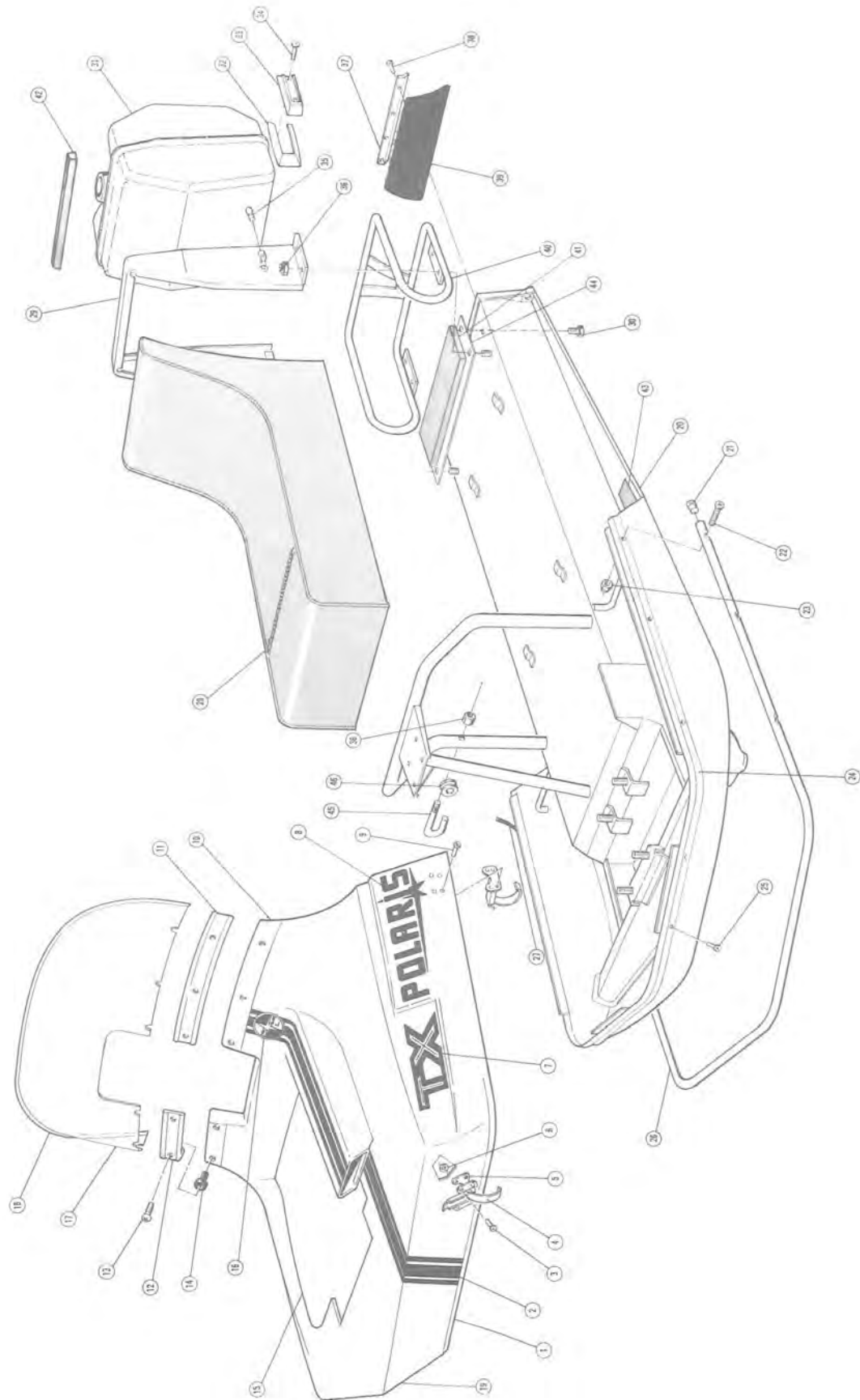


(TX CHARGER)

1-5

BODY & TRIM

(TX CHARGER)

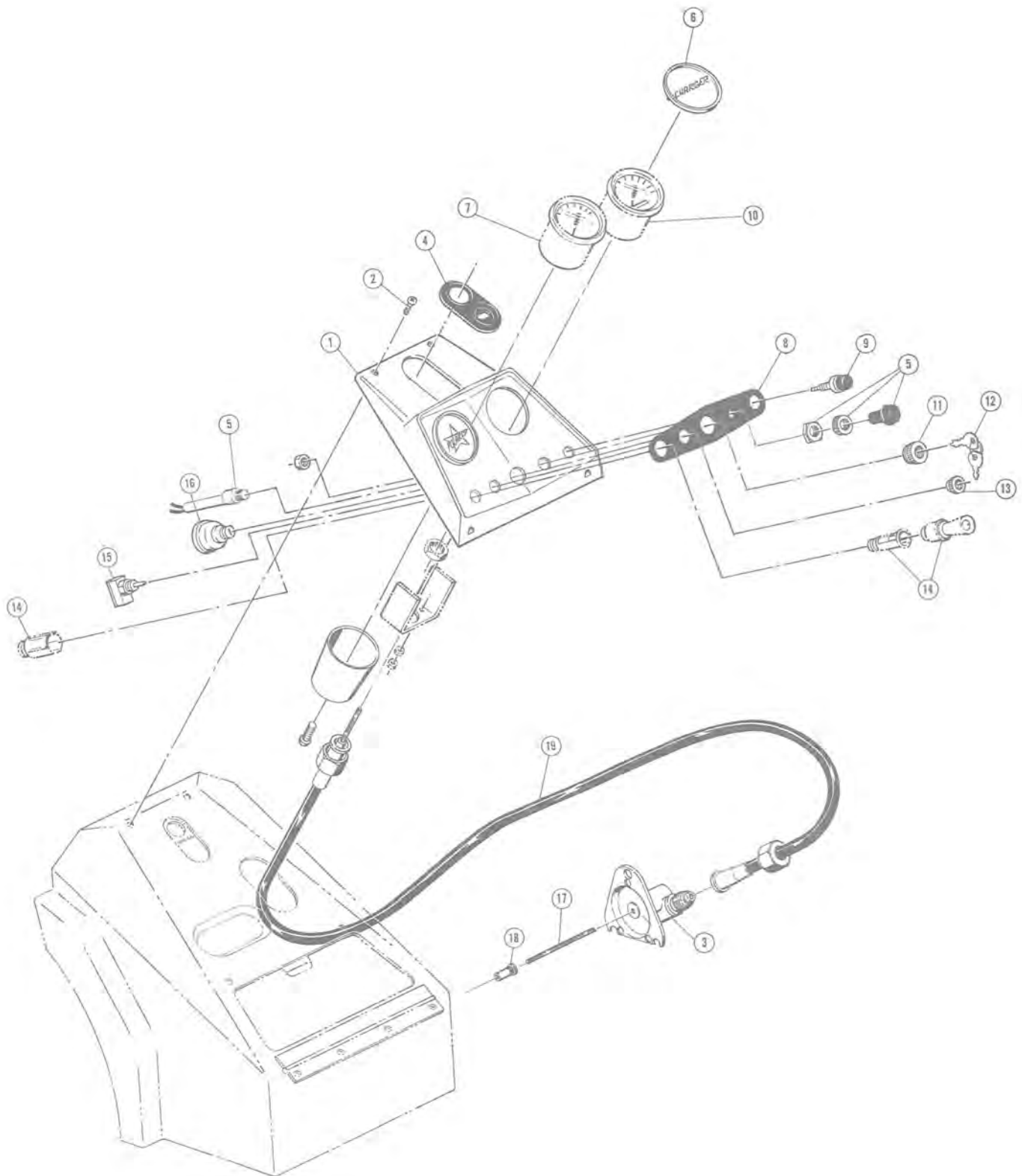


(MUSTANG – CHARGER)

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CONSOLE

(MUSTANG – CHARGER)

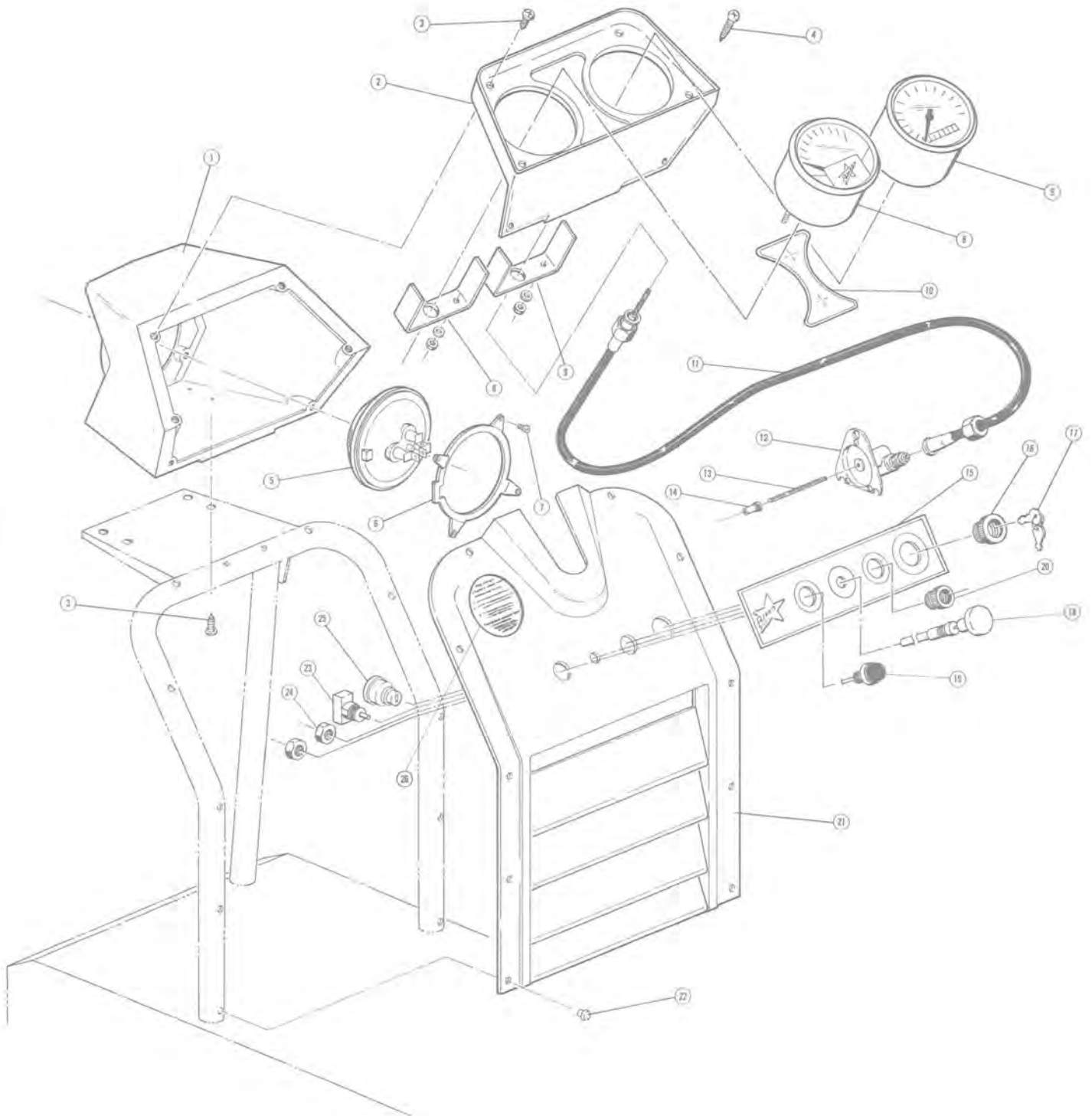


(TX CHARGER)

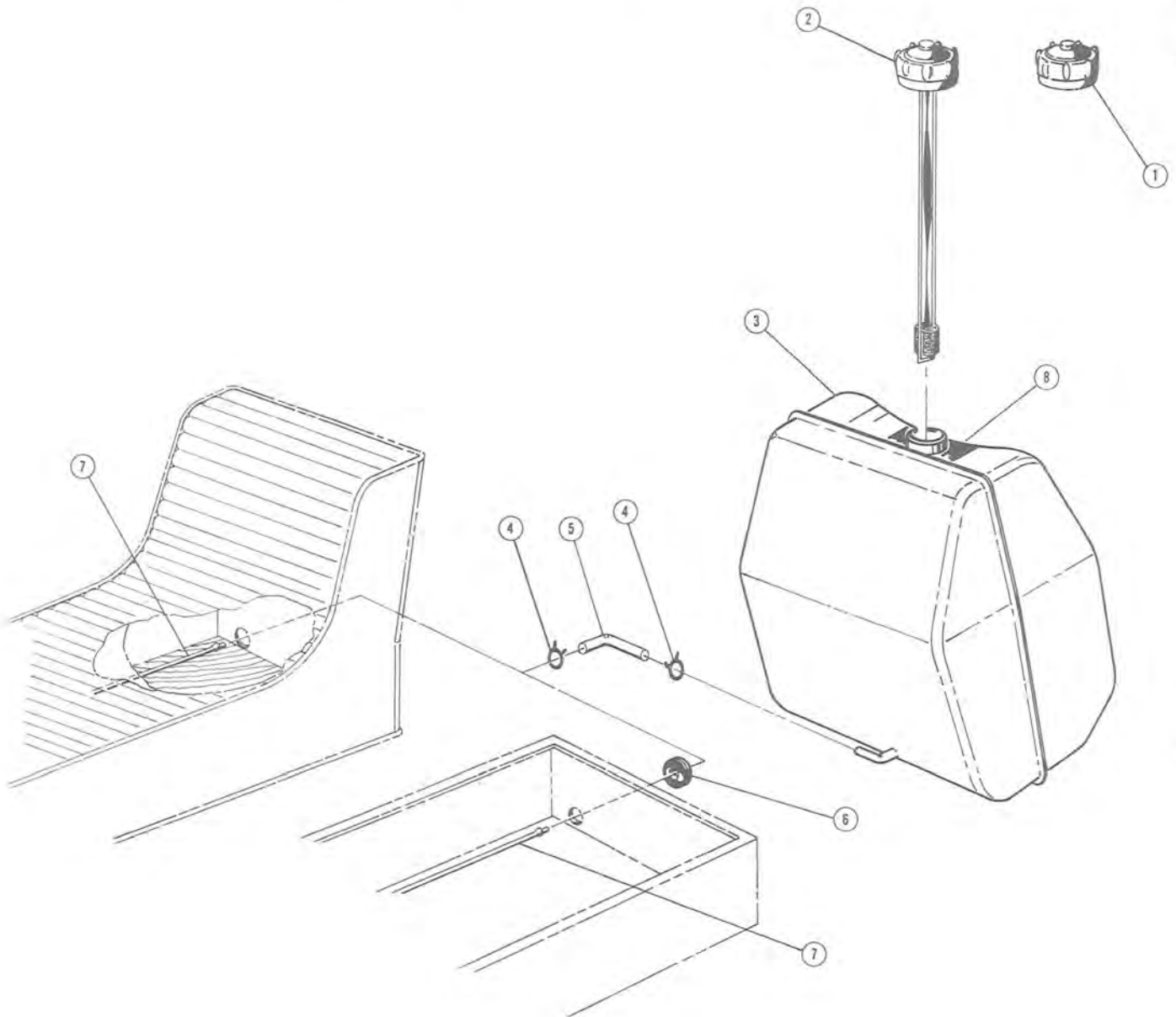
1-9

CONSOLE

(TX CHARGER)



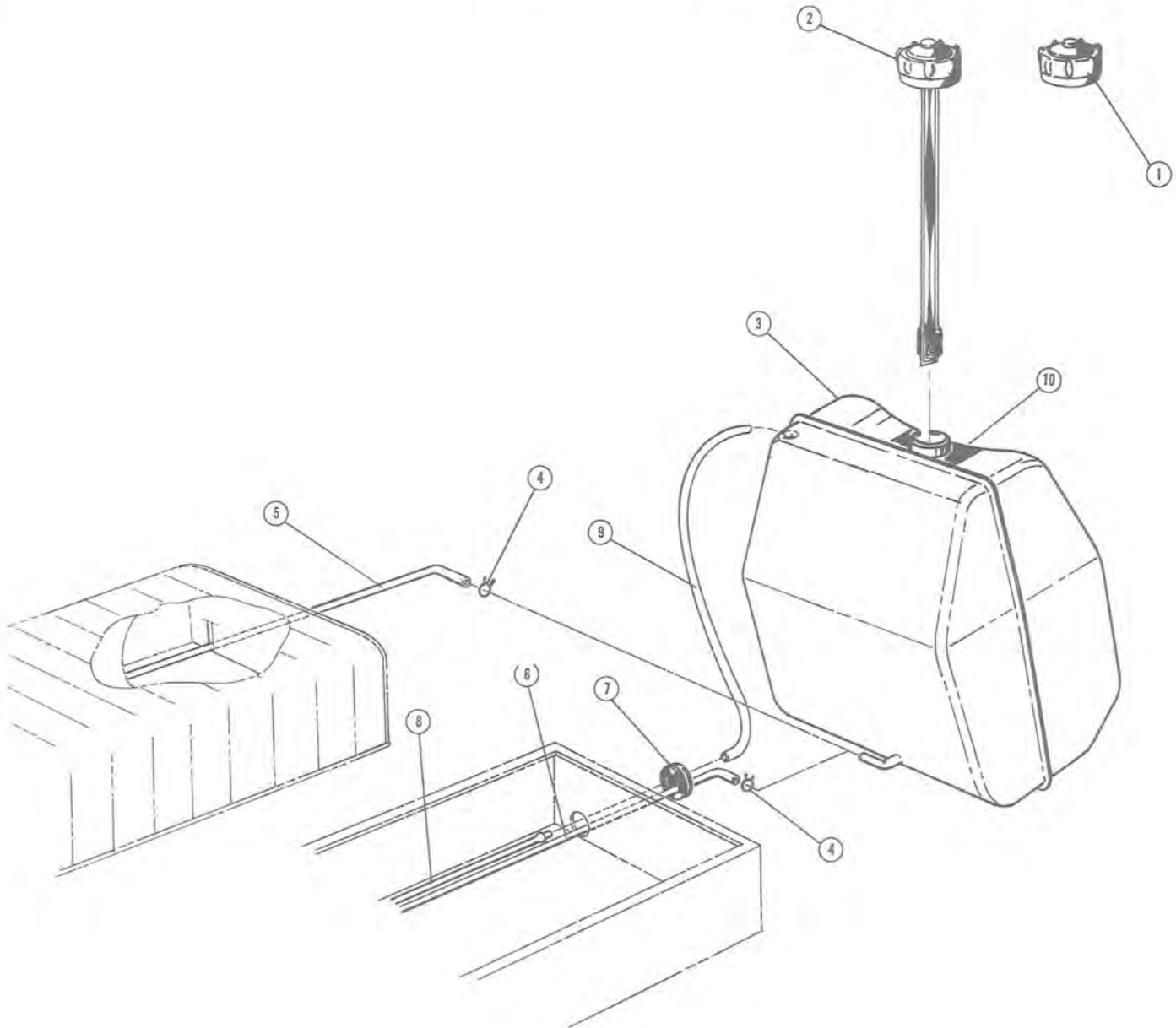
GAS TANK ASSEMBLY



ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	2511069	GAS CAP - CHARGER	1
2	2511068	GAS CAP - MUSTANG & TX CHARGER	1
3	2511041	GAS TANK - ALL MACHINES	1
4	7080003	HOSE CLAMP - ALL MACHINES	2
5	5420063	REAR GAS LINE - ALL MACHINES	1
6	5410021	RUBBER GROMMET - MUSTANG	1
7	5331006	STEEL GAS LINE - ALL MACHINES	1
8	7071127	TANK DECAL - ALL	

GAS TANK ASSEMBLY

(VOYAGER & PLAYMATE)



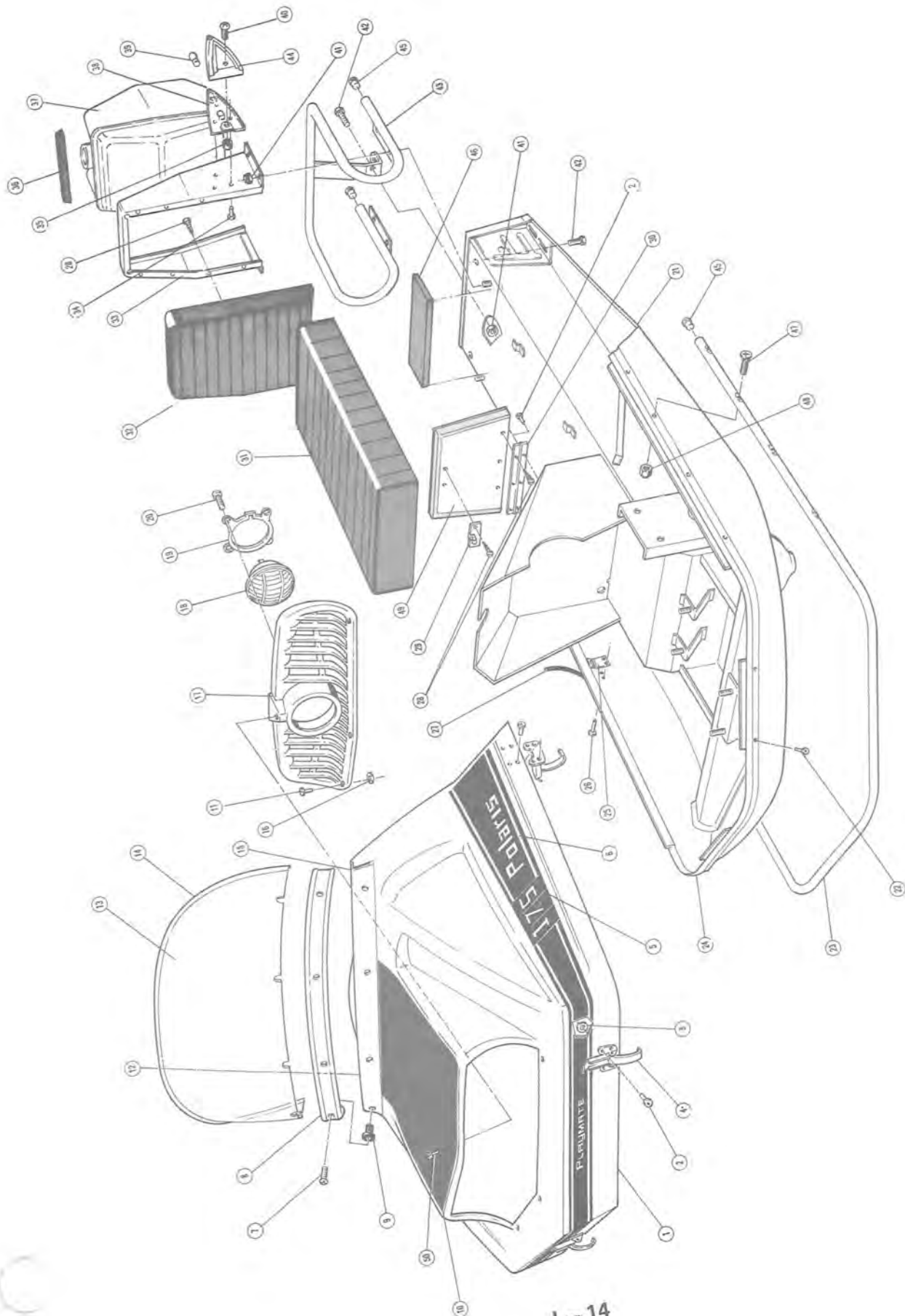
ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	2511044	GAS CAP – PLAYMATE	1
2	2511043	GAS CAP & GAUGE – VOYAGER	1
3	2511041	GAS TANK – VOYAGER	1
	2511042	GAS TANK – PLAYMATE	1
4	7080003	HOSE CLAMP – BOTH MACHINES	1
5	5420056	RUBBER GAS LINE – PLAYMATE	1
6	5420065	RUBBER GAS LINE – VOYAGER	1
7	5410021	GROMMET – VOYAGER ONLY	1
8	5331006	STEEL GAS RETURN LINE – VOYAGER ONLY	1
9	5420077	20" GAS RETURN LINE – VOYAGER ONLY	1
10	7071140	TANK DECAL – BOTH MACHINES	1

(PLAYMATE)

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BODY & TRIM

(PLAYMATE)



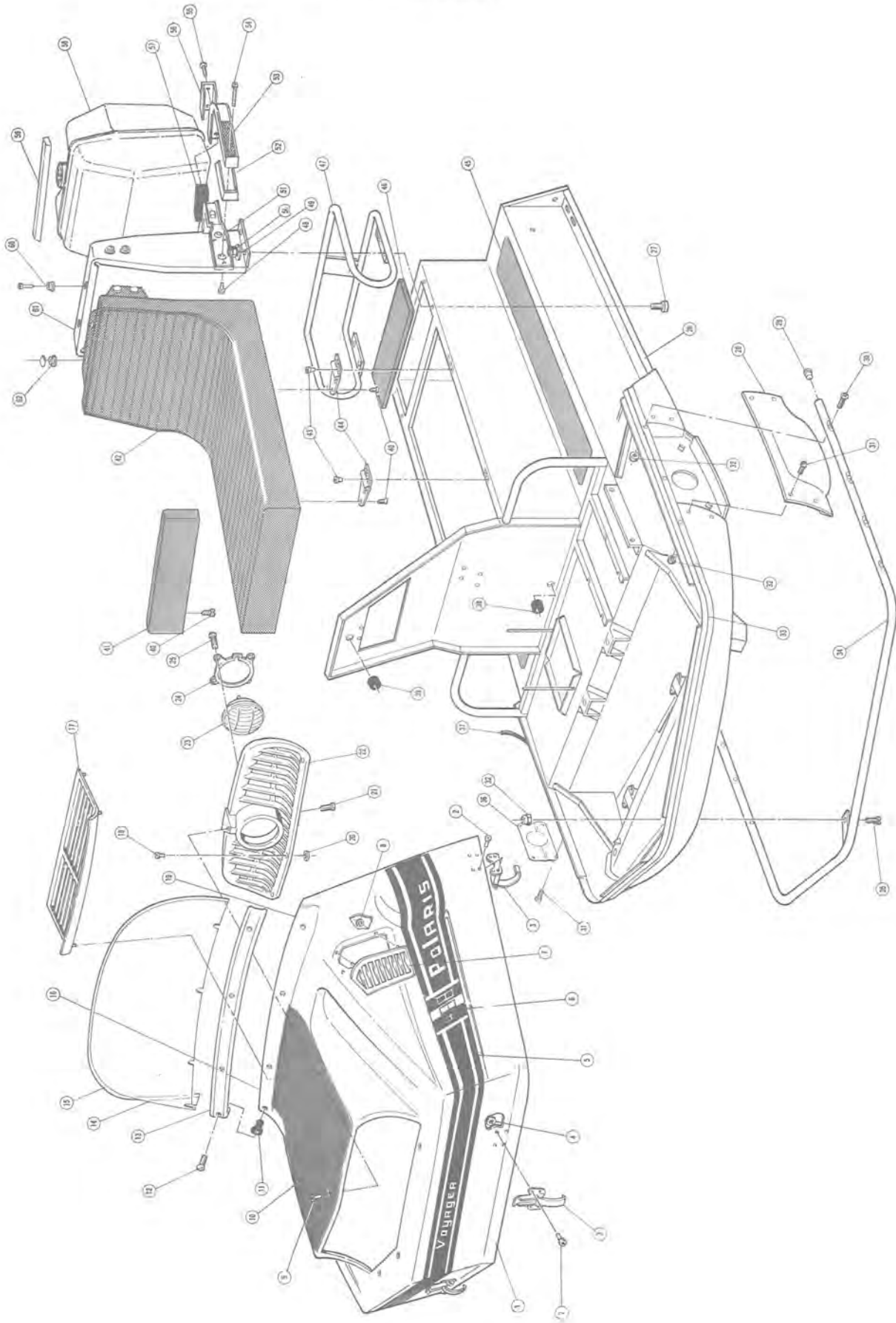
BODY & TRIM

(VOYAGER)

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	5440070	SHROUD	1
2	7621201	POP RIVET	16
3	7010002	HOOD LATCH	4
4	7558205	NO. 8 WASHER	16
5	7071195	DECAL - VOYAGER - L.H.	1
	7071163	DECAL - VOYAGER - R.H.	1
6	7071174	DECAL - 488 - L.H.	1
	7071173	DECAL - 488 - R.H.	1
7	5430030	SIDE GRILL - UPPER R.H.	1
	5430031	SIDE GRILL - UPPER L.H.	1
8	7670009	PUSH ON NUT	12
9	7621315	5/32 x .625 POP RIVET (BLACK)	1
10	7071196	DECAL - SHROUD	1
11	7541901	10 - 32 WELL NUT	5
12	7511914	10 - 32 x 1 SLOTTED PAN HD. SCR.	5
13	5223527	WINDSHIELD BAND	1
14	5850016	WINDSHIELD	1
15	5521002	WINDSHIELD TRIM 50 INCH	1
16	7071149	STAR POWER DECAL (NOT SHOWN)	1
17	5430083	DASH GRILL	1
18	7621303	5/32 x .629 POP RIVET	3
19	7071194	SAFETY CHECK DECAL (NOT SHOWN)	1
20	7558201	NO. 10 WASHER	3
21	7527803	8 - 32 x 1/2 SCR.	1
22	5430036	GRILL	1
23	4030004	HEADLIGHT	1
24	5221126	ATTACHING RING	1
25	7527805	6 - 32 x 1/2 SCR.	4
26	1013005	MAIN BODY WELDMENT	1
27	7512307	5/16 - 18 x 3/4 HEX HD. CAP SCR.	4
28	5222076	COVER - LOWER CHAINCASE	1
29	5710016	BUMPER PLUG	2
30	7512127	1/4 - 20 x 1 1/2 PHILLIPS OVAL HD. SCR.	8
31	7511904	10 - 32 x 3/4 SLOTTED PAN HD. SCR.	8
32	7542103	1/4 - 20 HEX FLEX LOC NUT	8
33	5223188	PARTING LINE EXTRUSION	1
34	2670007	FRONT BUMPER	1
35	7512108	1/4 - 20 x 3/4 SLOTTED PAN HEAD SCR.	1
36	5440059	COVER - LOWER SPEEDOMETER HOUSING	1
37	5420005	SPONGE ROPE TUBING	4
38	5410021	FUEL LINE GROMMET	2
39	5410081	STEERING POST GROMMET	1
40	7527603	NO. 7 x 3/4 WOOD SCREW	10
41	2681036	SEAT SPACER	1
42	2681035	SEAT	1
43	7621410	3/16 x .312 POP RIVET	6
44	7210002	5 INCH TEE HINGE	2
45	2870081	NON-SKID RUNNING BOARD	2
46	5420064	GAS TANK PAD	1
47	2670020	REAR BUMPER	1
48	7620102	1/8 x .375 POP RIVET	6
49	7558402	5/16 WASHER	4
50	7542313	5/16 - 18 HEX NUT	4
51	4030001	TAILLIGHT BULB	6
52	5430026	TAILLIGHT HOUSING	2
53	5430025	WRAP AROUND LENSE	2
54	7527808	NO. 8 - 32 x 1 PHILLIPS OVAL HEAD SCR.	4
55	7527810	NO. 8 - 32 x 1 1/4 PH. OVAL HD. SCR.	2
56	5221308	SUPPORT LENS	1
57	5420051	TAILLITE SPACER	1
58		SEE GAS TANK ASM.	1
59	5332227	GAS TANK SPACER	1
60	7621202	1/8 x .375 POP RIVET	6
	7010008	SNAP	6
61	2511023	TEEPEE ASM.	1
62	7010009	CAP	6
	7010010	SOCKET	6

BODY & TRIM

(VOYAGER)

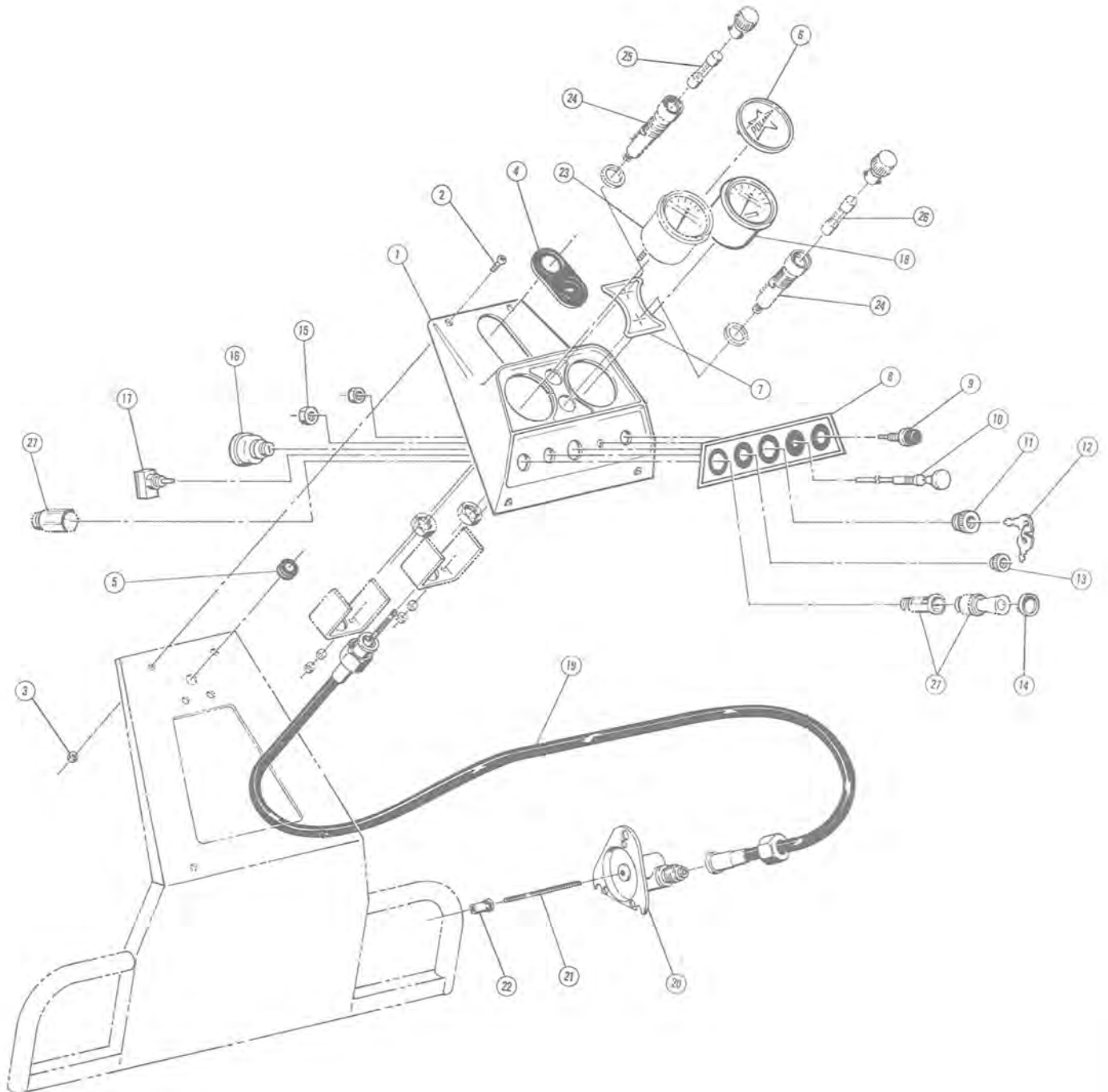


(VOYAGER)

1-17

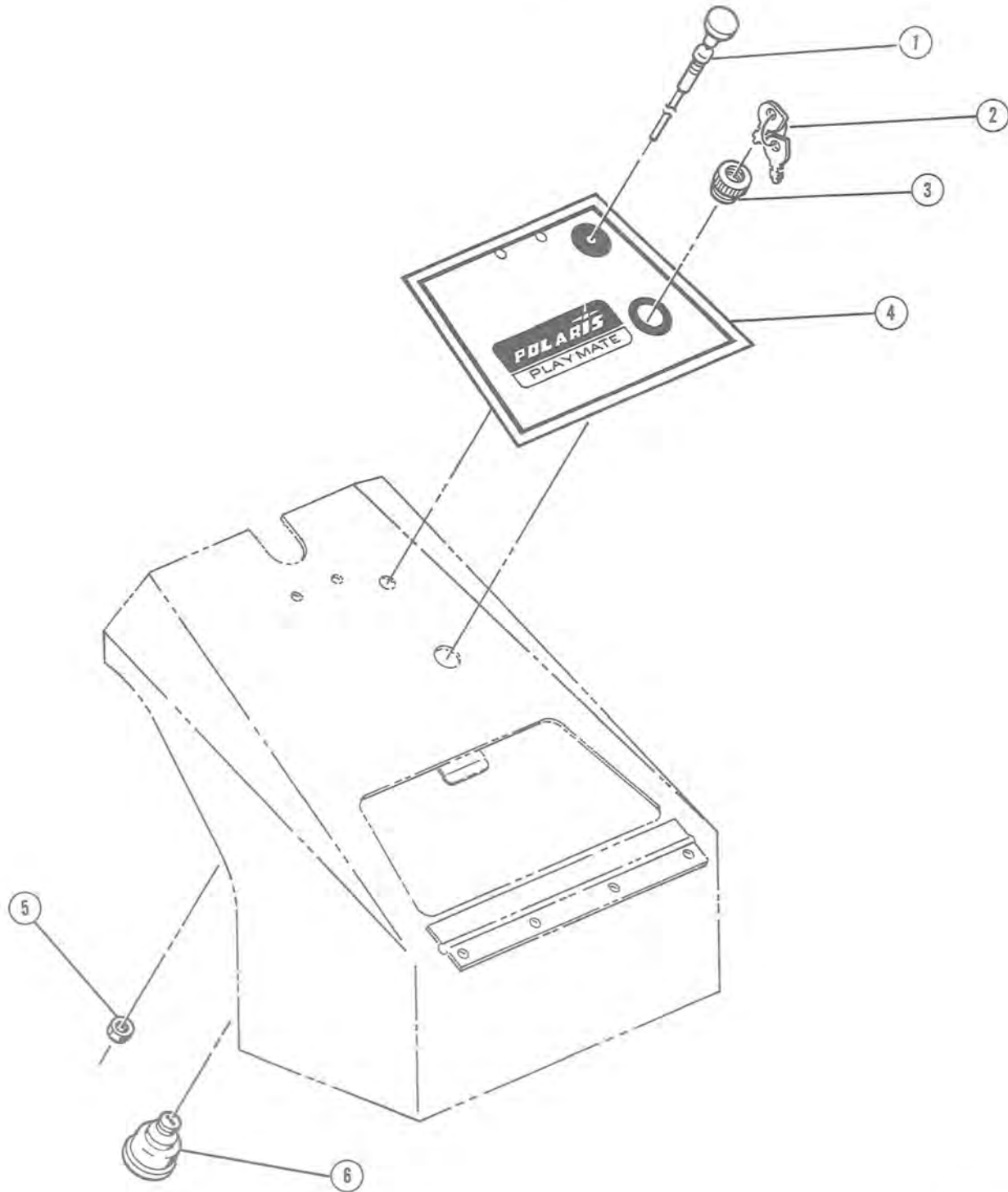
CONSOLE

(VOYAGER)



CONSOLE

(PLAYMATE)



ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	7080038	CHOKE CONTROL	1
2	4110012	IGNITION KEY	2
3	7542804	IGNITION SWITCH TRIM NUT	1
4	7071143	CONSOLE DECAL	1
5	3160102	1/4 - 28 HEX NUT	1
6	4110009	IGNITION SWITCH	1

DRIVE & BRAKE ASSEMBLY

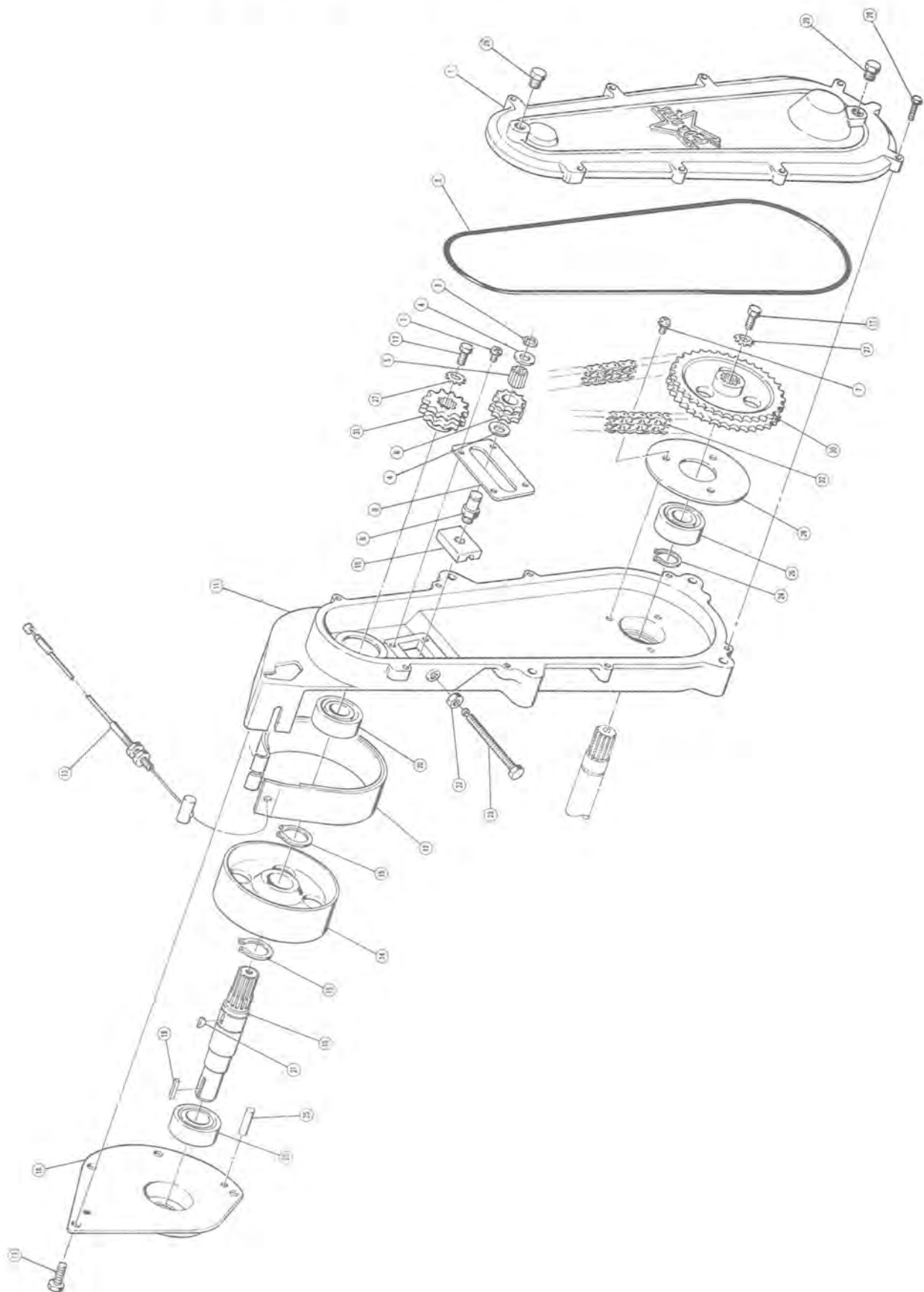
Group II

(CHARGER – MUSTANG – TX CHARGER)

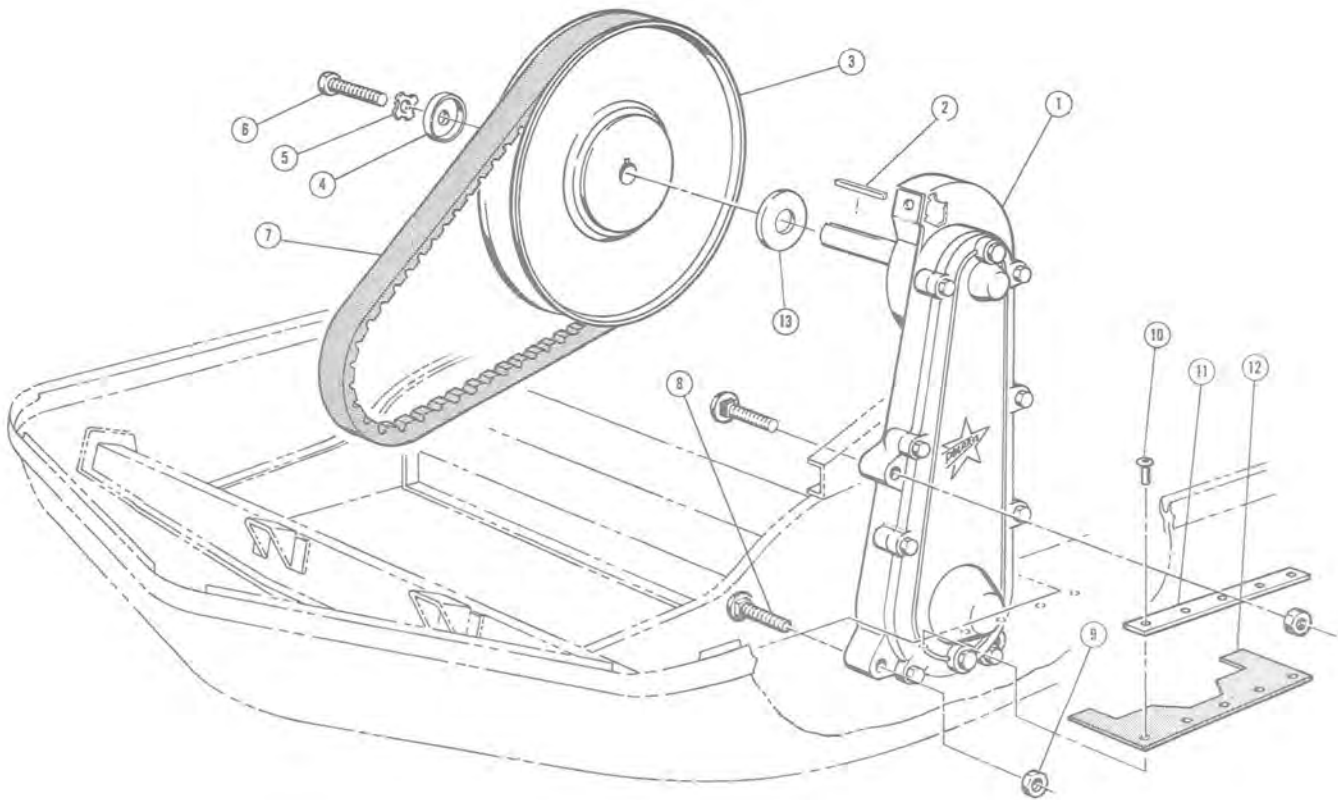
11-1

CHAIN CASE ASSEMBLY

(CHARGER – MUSTANG – TX CHARGER)

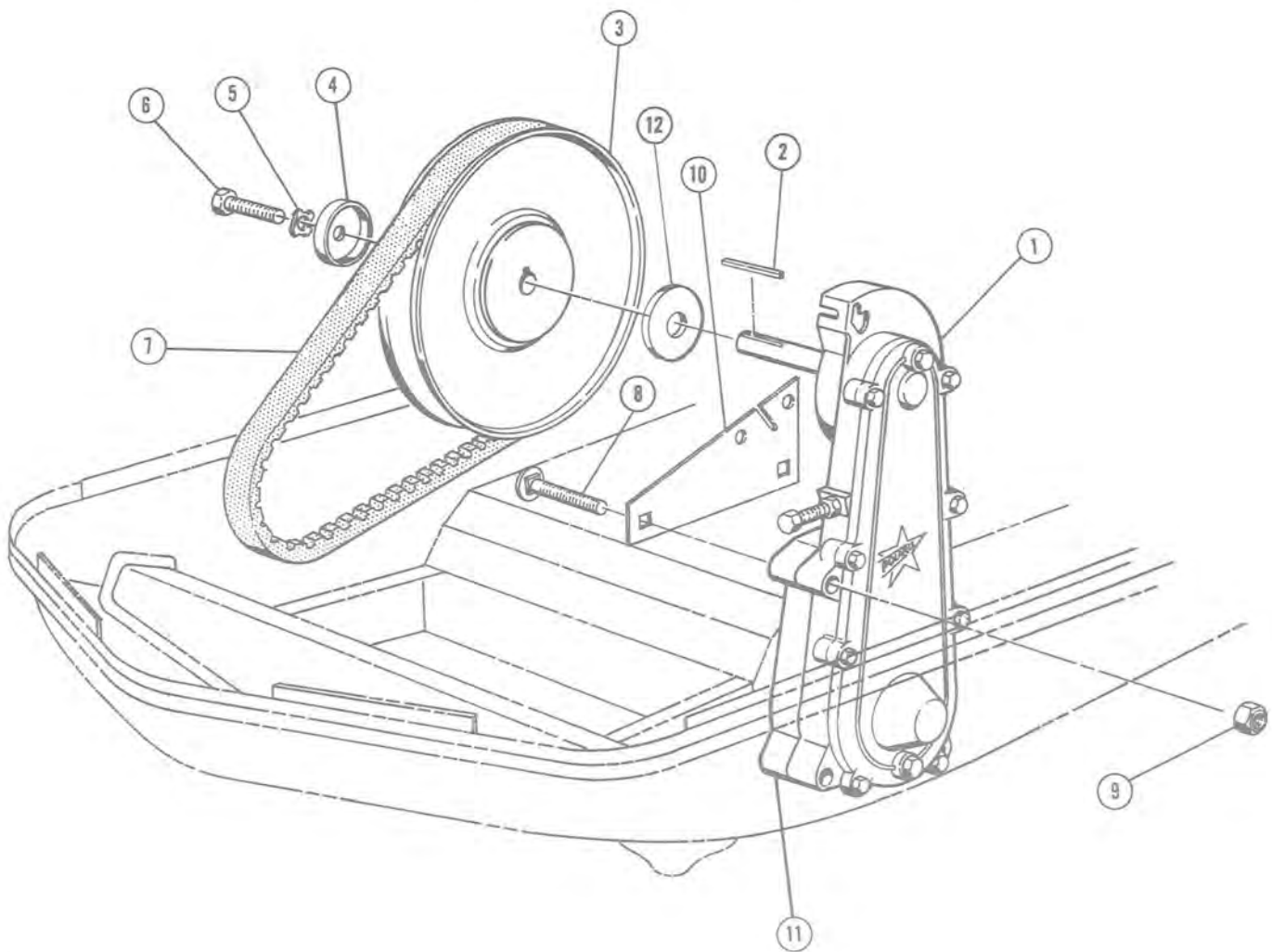


(MUSTANG)

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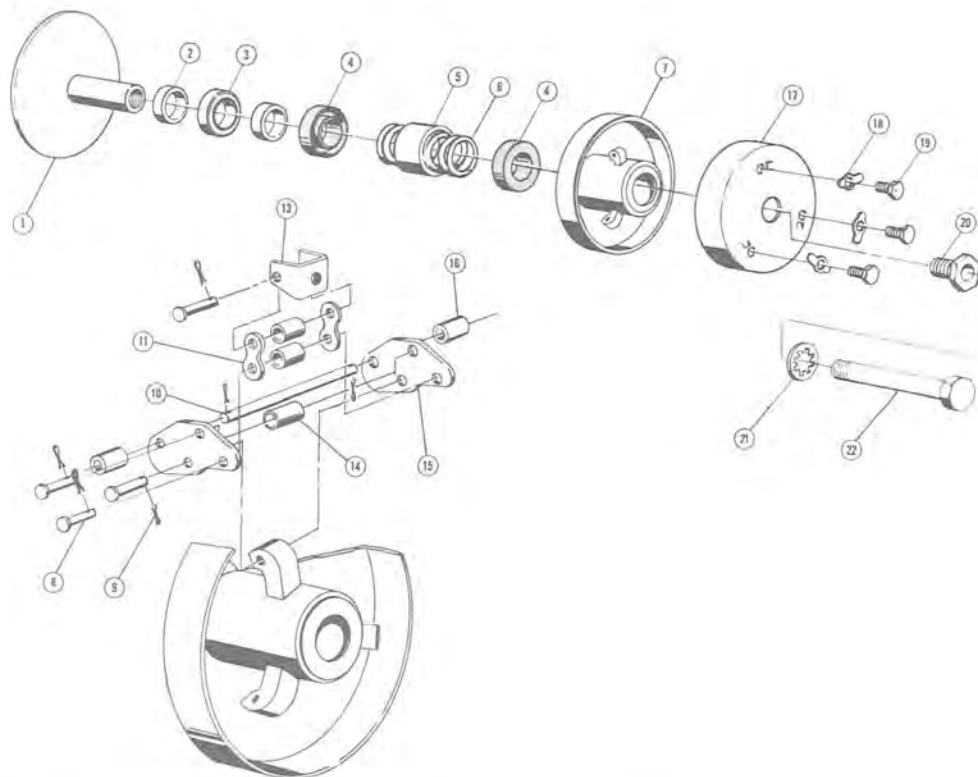
CHAIN CASE MOUNTING

(CHARGER – TX CHARGER)



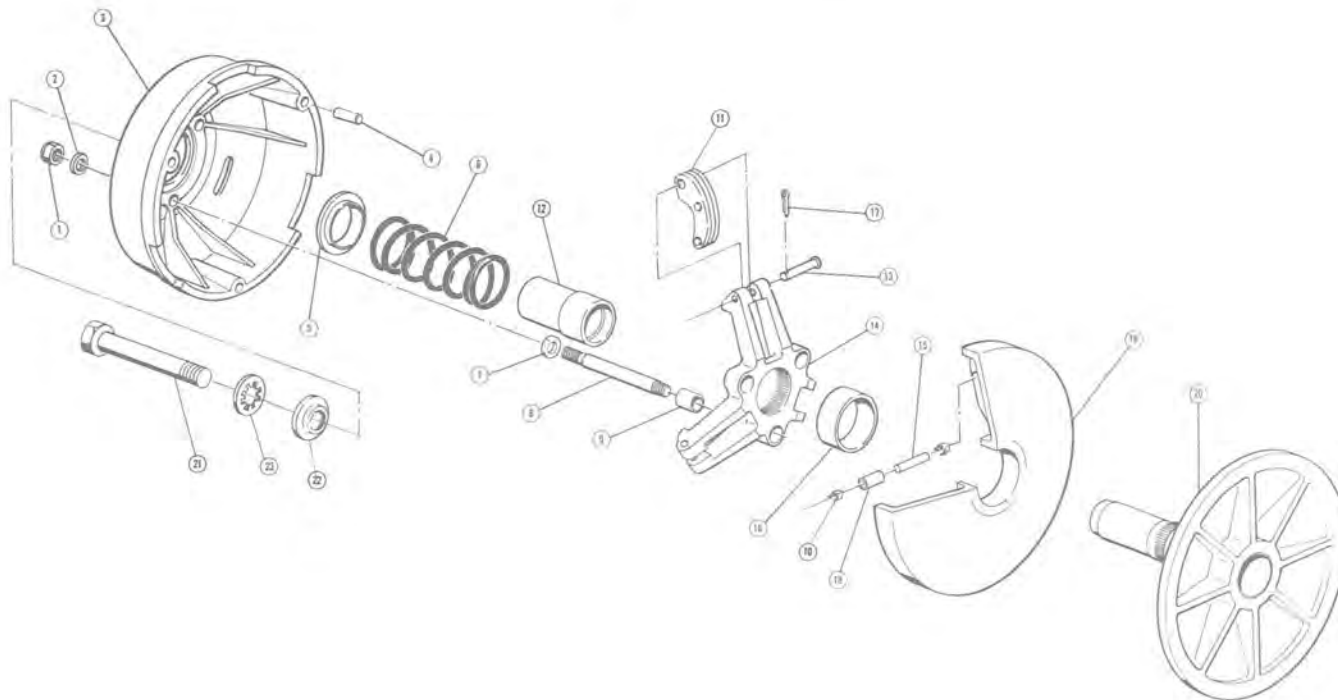
ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	1332015	CHAINCASE ASSEMBLY 294 - 335	1
	1332024	CHAINCASE ASSEMBLY 398 - 432	1
	1332026	CHAINCASE ASSEMBLY 488	1
2	7721103	3/16 SQUARE KEY	1
3		DRIVEN CLUTCH (SEE DRIVEN CLUTCH ASM.)	1
4	5221207	DRIVEN CLUTCH CAP	1
5	7577908	5/16 DISHED TOOTH LOCK WASHER	1
6	7512328	5/16 - 18 x 3 1/4 HEX HEAD CAP SCREW	1
7	3211007	DRIVE BELT - RAMP CLUTCH	1
	3211021	DRIVE BELT 30° RAMP CLUTCH	1
8	7512456	3/8 - 16 x 4" CARRIAGE BOLT	4
9	7542402	3/8 - 16 FLEX LOC NUT	4
10	5210346	CHAINCASE BRACE	1
11	5610054	CHAINCASE SPACER	1
12	7556401	7/8 MACH. BUSHING (STANDARD RAMP)	3
	7556401	7/8 MACH. BUSHING (ALUM. 30° RAMP)	1

(HIGH PERFORMANCE)

11-5

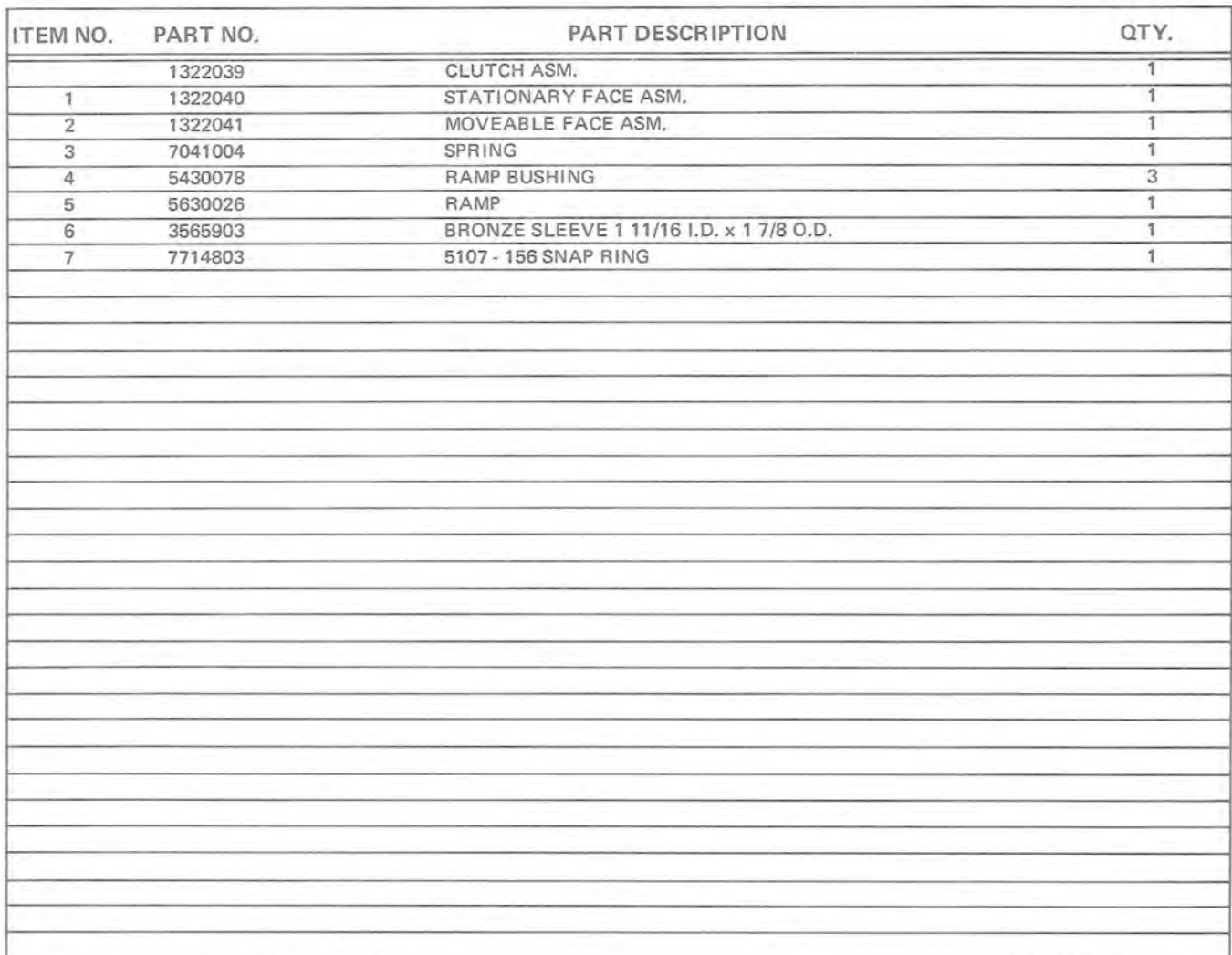
DRIVE CLUTCH ASSEMBLY

(30° ALUMINUM)



ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
	1321117	DRIVE CLUTCH ASM. (294 - 335)	1
	1321118	DRIVE CLUTCH ASM. (398 - 432 - 488)	1
1	7542402	3/8 - 16 FLEX LOC NUT	3
2	7555806	3/8 WASHER	3
3	5630022	COVER	1
4	7661806	1/4" DOWEL PIN	3
5	5010083	BUSHING	1
6	7041009	SPRING - CLUTCH	1
7	7555807	SPECIAL WASHER	3
8	5010084	THREADED PIN	3
9	3563603	SLEEVE BEARING	3
10	7670015	RETAINING CLIP	6
11	5210401	CLUTCH WEIGHT (294, 335)	3
	5210402	CLUTCH WEIGHT (398, 432, 488)	3
12	5010085	TUBE	1
13	3225015	PIN	3
14	5910004	SPIDER	1
15	3225017	PIN	3
16	3565902	SLEEVE BEARING	1
17	7661003	COTTER PIN	3
18	3225018	ROLLER	3
19	5910005	SHEAVE - MOVABLE	1
20	1321071	SHEAVE ASM. - MACHINED	1
	1321116	SHEAVE ASM. - CAST	1
21	7512529	RETAINING BOLT	1
22	7555805	WASHER	1
23	7577905	7/16 SHAKEPROOF WASHER	1

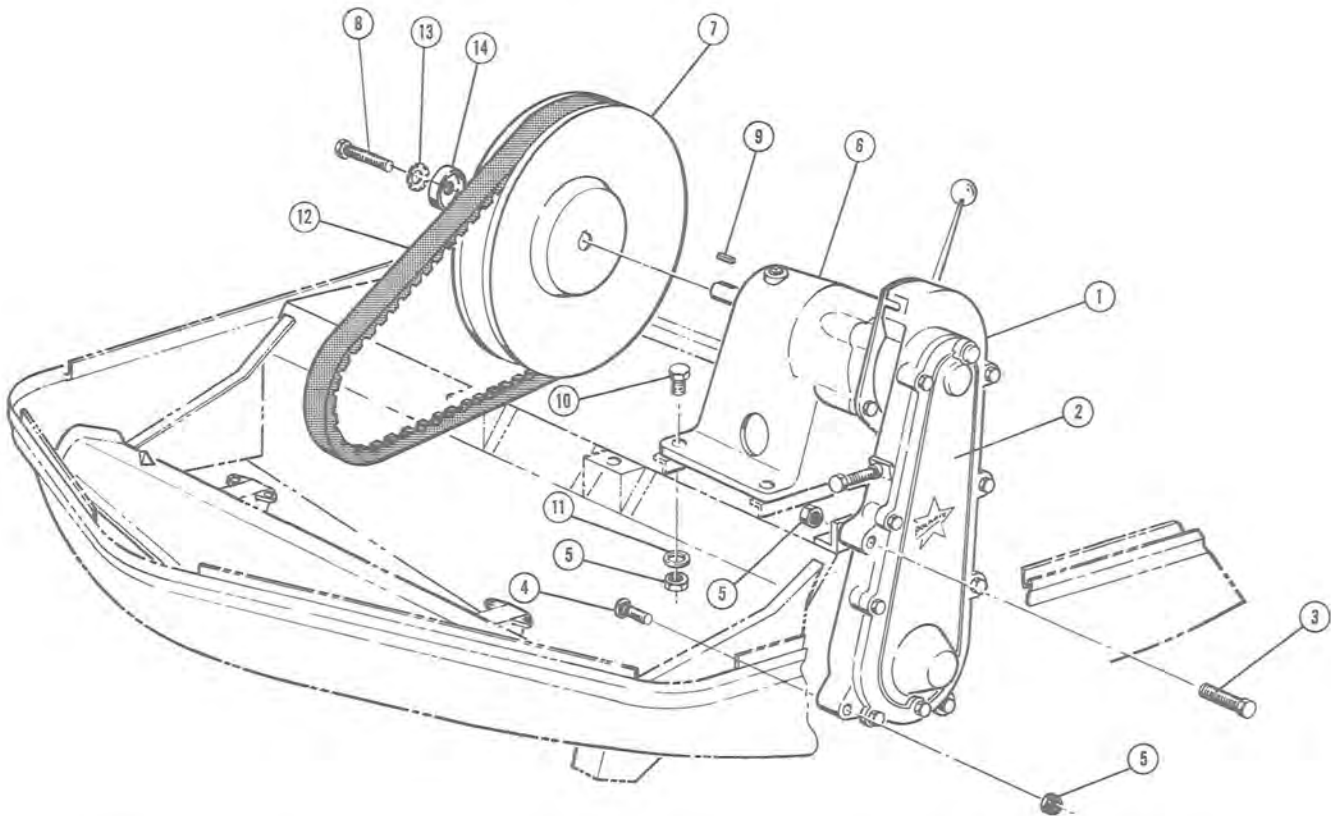
(30° ALUMINUM)



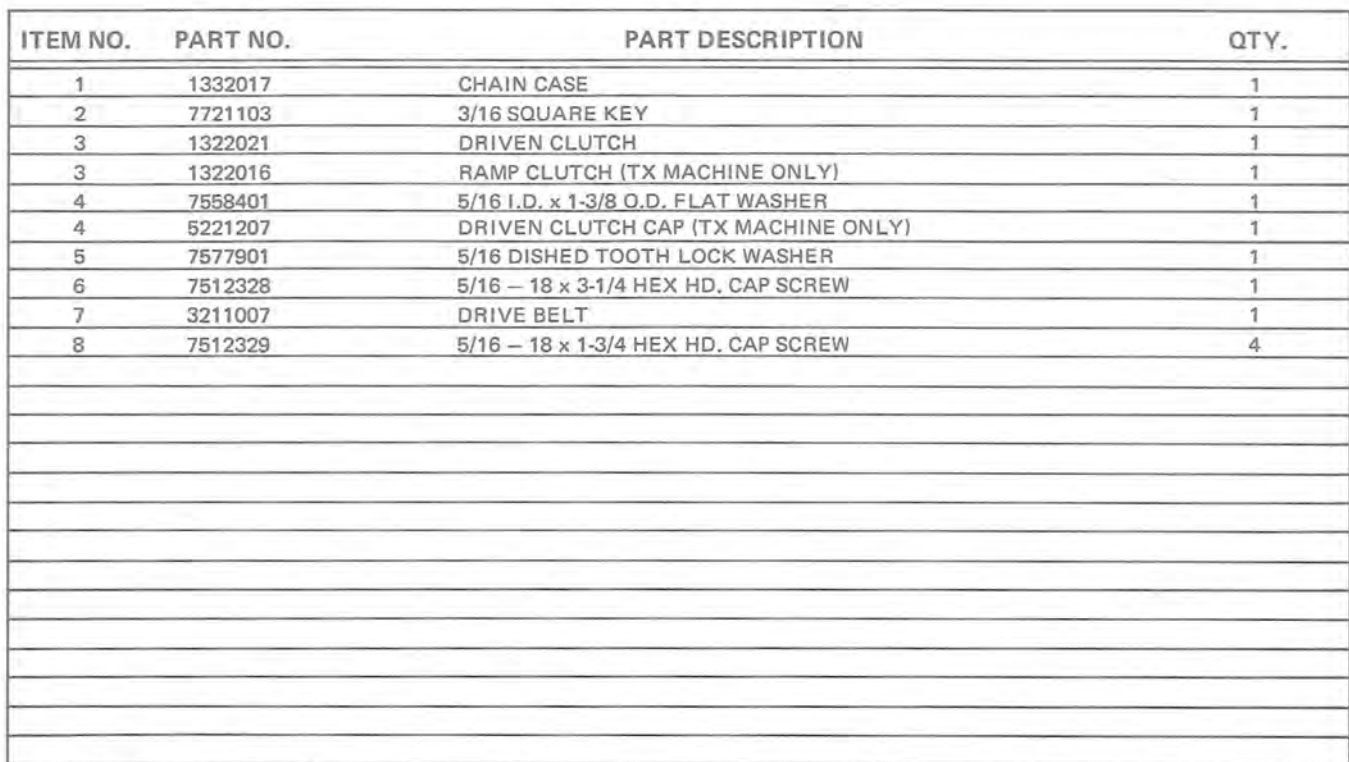
An exploded view diagram of a wheel assembly. The components are numbered as follows: 1. Wheel rim, 2. Wheel hub, 3. Spring, 4. Hub assembly, 5. Nut, 6. Axle, and 7. Cotter pin. The diagram shows the assembly sequence from the axle (6) passing through the hub (2) and spring (3) into the hub assembly (4), which is then secured with a nut (5) and cotter pin (7). The wheel rim (1) is shown separately.

11-8

(VOYAGER)

[illegible]

(PLAYMATE)



This diagram illustrates the exploded view of a mechanical assembly, with components numbered 1 through 10. The assembly consists of a central shaft (1) passing through a series of components: a large circular disc (2), a small ring (3), a larger ring (4), a coiled spring (5), a large circular housing (6), a smaller circular disc (7), a small ring (8), a nut (9), and a long bolt (10). The components are shown in their relative positions, indicating how they fit together.

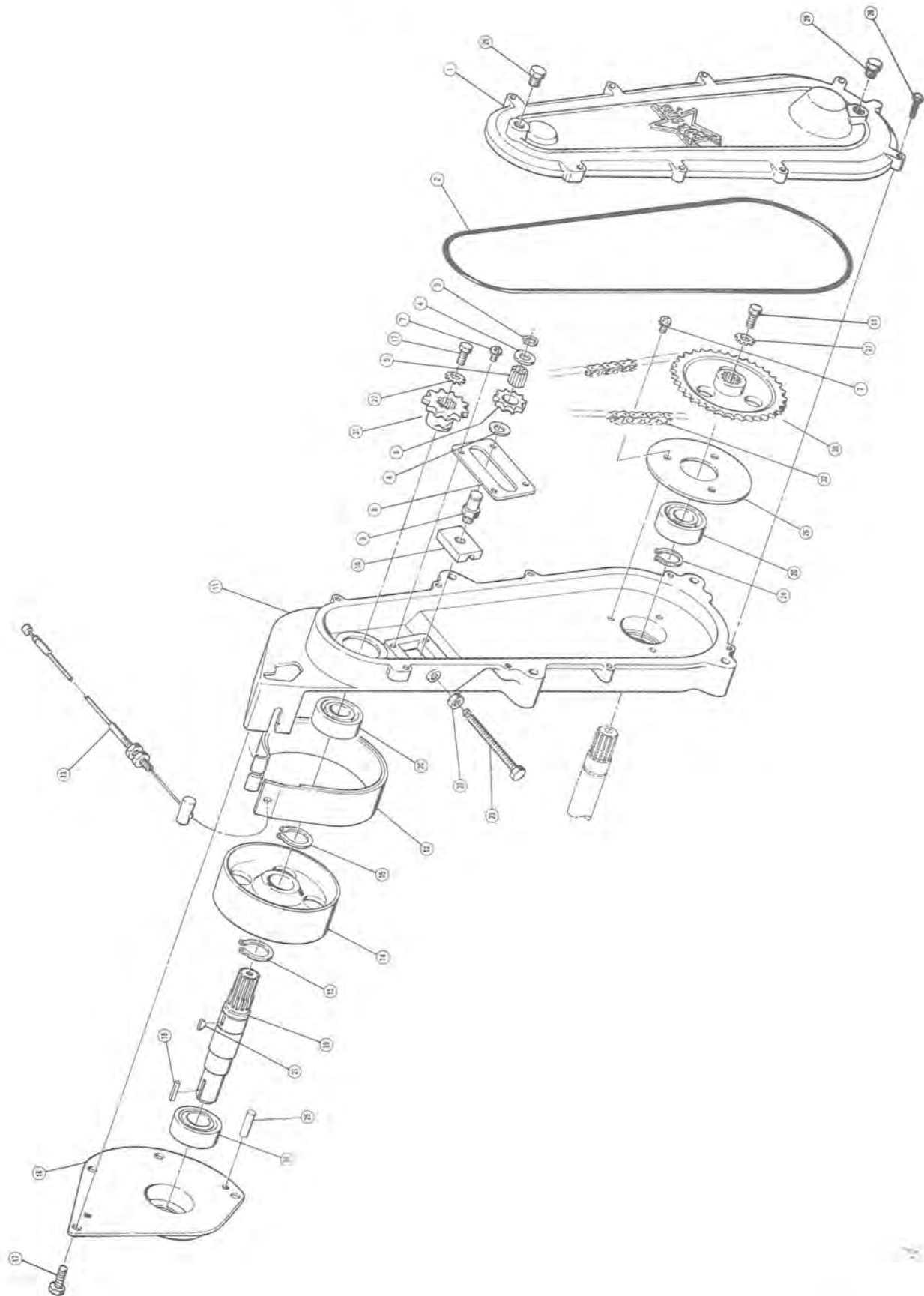
11 - 11

(PLAYMATE)

11 - 12

CHAIN CASE ASSEMBLY

(PLAYMATE)



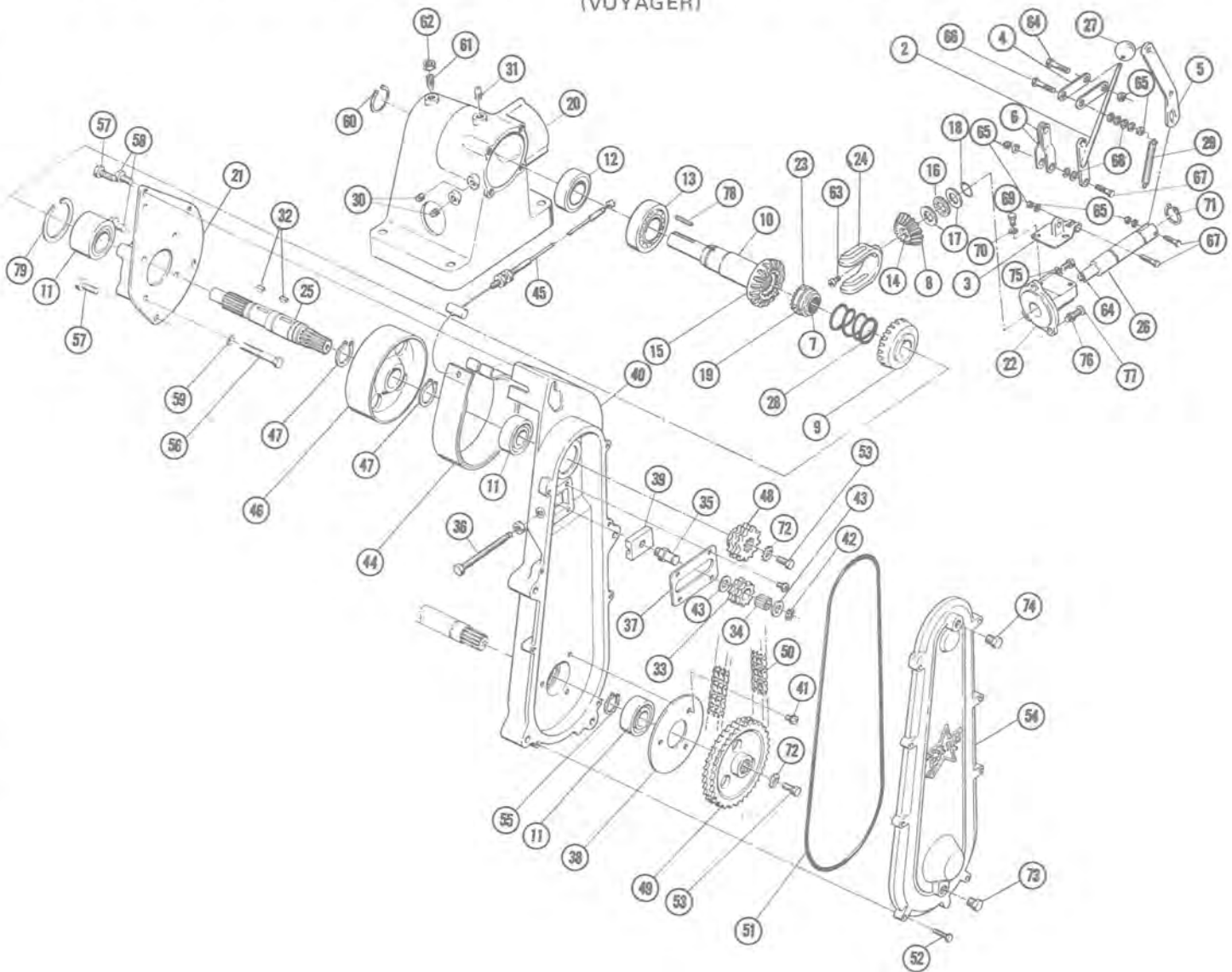
TRANSMISSION & CHAIN CASE ASSEMBLY

(VOYAGER)

ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	1341020	ASSEMBLY – TRANSMISSION	1
2	1341011	GEAR SHIFT LEVER ASSEMBLY	1
3	1341012	SHIFTING BRACKET ASSEMBLY	1
4	5221255	SHIFTING LINK	2
5	5221256	SHIFTING BAR	1
6	5223461	CONNECTION BAR	2
7	3230261	SHIFTER DOG	1
8	3230262	GEAR – PINION	1
9	3230263	GEAR – OUTPUT	1
10	3230264	SHAFT BEVEL GEAR	1
11	3514303	BALL BEARING PP205	4
12	3514901	BALL BEARING NPP 206	1
13	3515401	BALL BEARING 207	1
14	3553003	NEEDLE BEARING – 1010 FAFNER	1
15	3553004	NEEDLE BEARING – 1110 FAFNER	1
16	3554703	NEEDLE THRUST BEARING – 1018 FAFNER	1
17	3554704	BEARING RACE	2
18	5410101	“O” RING	1
19	5430042	BEARING SHIFTER RING	1
20	5630019	HOUSING – TRANSMISSION	1
21	5630020	PLATE – TRANSMISSION COVER	1
22	5630021	HOUSING – SHIFTING SHAFT	1
23	5910002	SHIFTER RING	1
24	5910003	SHIFTING FORK	1
25	6230021	SHAFT – SPLINE	1
26	6230022	SHAFT – PINION GEAR	1
27	7030002	KNOB – TRANSMISSION HANDLE	1
28	7041008	SPRING – COMPRESSION	1
29	7042002	EXTENSION SPRING	1
30	7051501	PLUG – PIPE 1/8”	2
31	7051504	VENT – TRANSMISSION	1
32	7727001	NO. 9 WOODRUFF KEY	2
33	3221011	SPROCKET – IDLER	1
34	3553002	BEARING	1
35	5020075	IDLER SHAFT	1
36	5020076	ADJUSTING BOLT	1
37	5210116	RETAINING PLATE	1
38	5210121	RETAINING PLATE – BEARING	1
39	5610032	IDLER SLIDE	1
40	5610029	CHAINCASE	1
41	7511905	SCREW – TRUSS HEAD SEM 10 - 24 x 1/2 PHILLIPS	7
42	7712801	RETAINING RING	1
43	7558702	THRUST WASHER	2
44	1910004	BRAKE BAND ASSEMBLY	1
45	7080037	BRAKE CABLE	1
46	5610027	BRAKE DRUM	1
47	7714201	RETAINING RING	2
48	3221008	SPROCKET 15 TOOTH	1
49	3222007	SPROCKET 39 TOOTH	1
50	3224005	ROLLER CHAIN	1
51	5410043	“O” RING – CHAINCASE COVER	1
52	7512120	HEX HEAD SEM 1/4 - 20 x 1	8
53	7512325	SCREW NYLOCK 5/16 - 18 x 3/4	2
54	5610064	FRONT COVER – VOYAGER CHAINCASE	1
55	7713901	RETAINING RING	1
56	7512313	5/16 - 18 x 2 HEX HEAD CAP SCREW	4
57	7512317	SCREW HEX HEAD CAP 5/16 - 18 x 1 1/2	2
58	7512325	SCREW HEX HEAD CAP 5/16 - 18 x 3/4	2

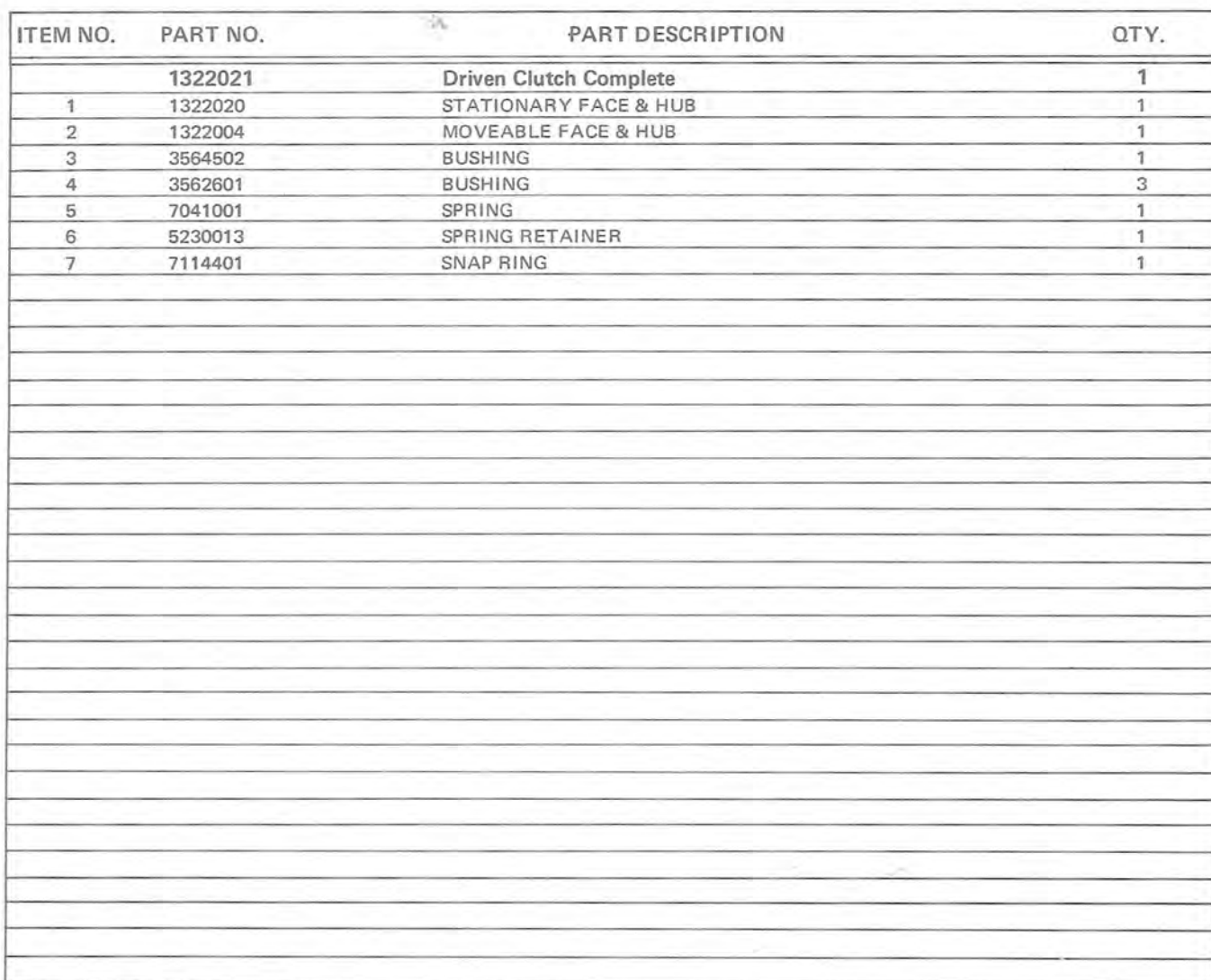
TRANSMISSION & CHAIN CASE ASSEMBLY

(VOYAGER)



ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
59	7552901	5/16 SPLIT LOCK WASHER	4
60	7714203	SNAP RING	1
61	7512467	SET SCREW	1
62	7542404	JAM NUT	1
63	7512161	SCREW — 1/4 - 28 UNF x 3/4 SOCKET HEAD	1
64	7512163	SCREW — HEX HEAD CAP — 1/4 - 20 x 1 1/4	3
65	7542101	1/4 - 20 HEX BIWAY LOCK NUT	7
66	7512110	1/4 - 20 x 2 HEX HEAD CAP SCREW	1
67	7512126	1/4 - 20 x 1 1/2 HEX HEAD CAP SCREW	3
68	7558301	1/4 SAE WASHER	12
69	7512102	1/4 - 20 x 1/2 HEX HEAD CAP SCREW	2
70	7571801	1/4 EXTERNAL LOCK WASHER	2
71	7713402	SNAP RING	1
72	7577901	5/16 DISHED TOOTH LOCK WASHER	2
73	7512604	PLUG 1/2 HEX HEAD	1
74	7512641	PLUG — ALLEN HEAD — VOYAGER	1
	7512637	PLUG — ALLEN HEAD — INNOVAR	1
75	7571801	1/4 INCH SHAKEPROOF LOCKWASHER	5
76	7542108	1/4 - 20 HEX NUT NYLOCK	
77	7512121	1/4 - 20 x 1 1/2 BLOTED PAN HEAD MACH SCREW	1
78	7721103	KEY	1
79	7714202	SNAP RING	1

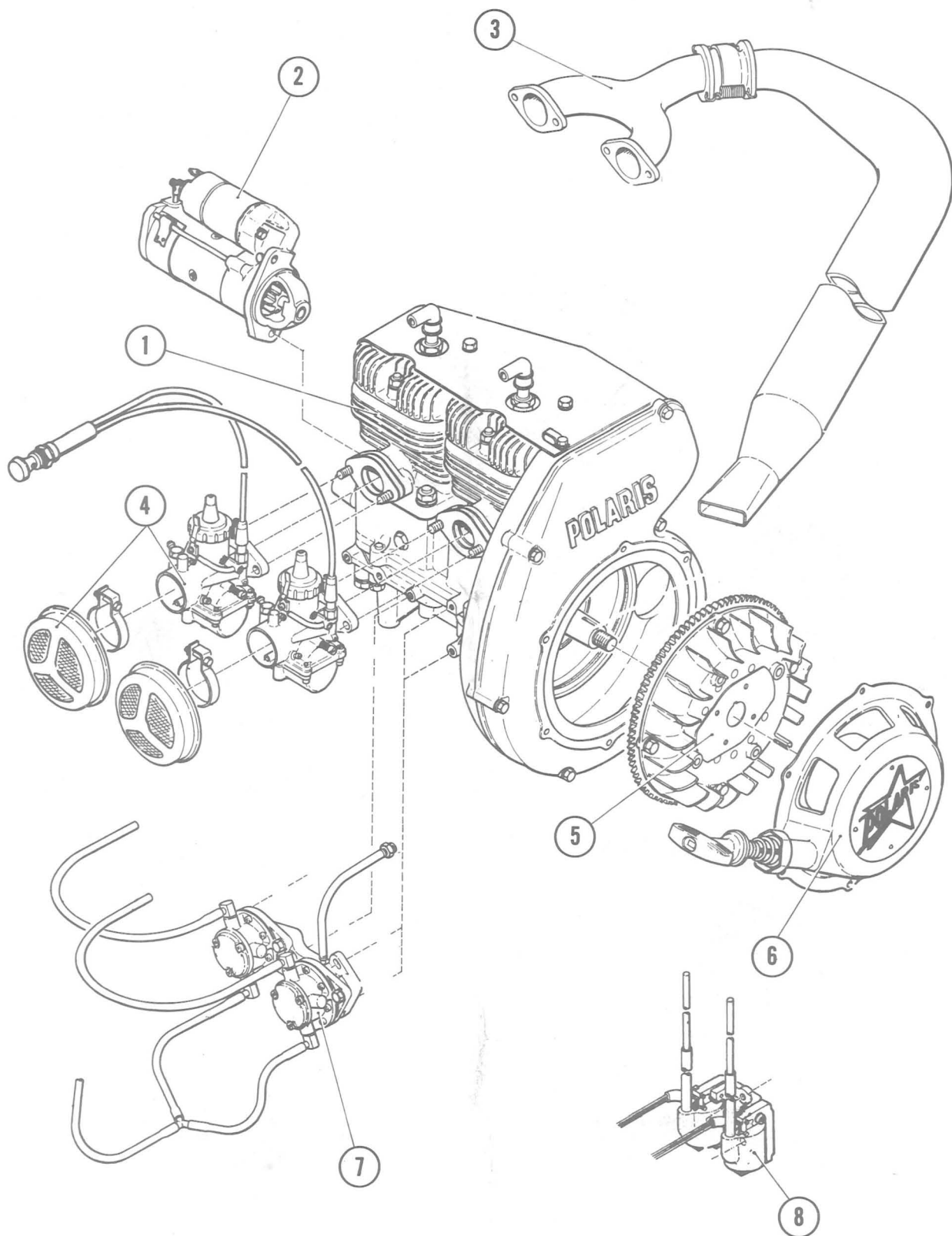
(PLAYMATE)



SOLD AS COMPLETE ASSEMBLY ONLY
SEE PRICE SUPPLEMENT FOR EXCHANGE PRICE

(SALSBURY – MODEL 770)





ITEM NO.	PART NUMBER					PART DESCRIPTION	QTY.
	292cc	336cc	398cc	436cc	488cc		
1	1211228	1211221	1211313	1211314	1211315	ENGINE	1
2	3080482*					STARTING MOTOR	1
3	3080411*	3080411	3080454	3080454	3080454	MUFFLER ASSEMBLY	1
4	3080389	3080433	3080467	3080466	3080483	CARBURETOR ASSEMBLY	2
5	3080442	3080442	3080277	3080277	3080277	MAGNETO ASSEMBLY	1
6	3080431	3080431	3080226	3080226	3080226	RECOIL STARTER ASSEMBLY	1
7	3080346*					FUEL PUMP ASSEMBLY	2
8	3080417*					IGNITION COIL	1
	3080418*					IGNITION COIL	1

*REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ENGINES LISTED.



STEERING ASSEMBLY

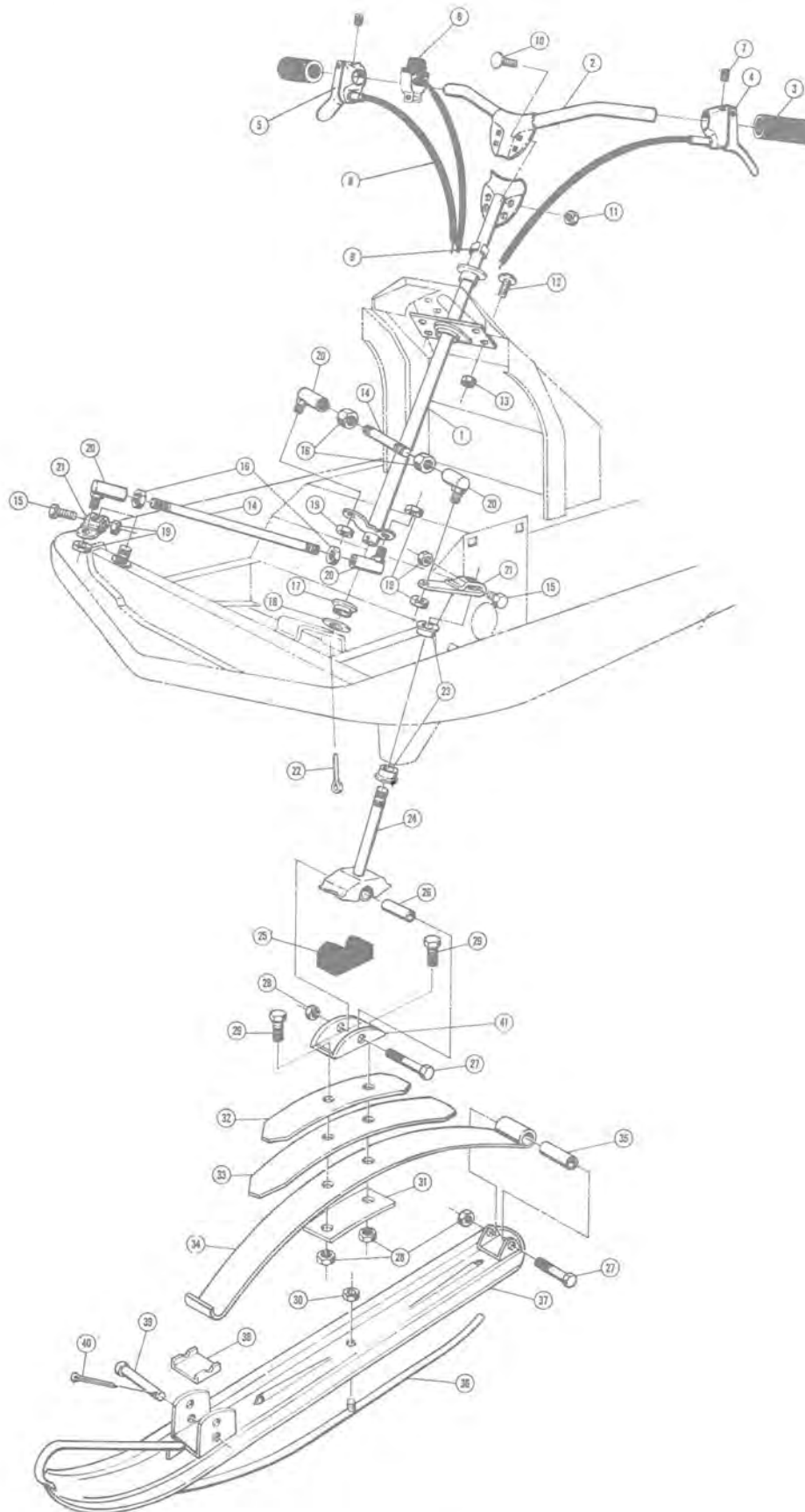
Group III

(CHARGER – MUSTANG – TX CHARGER)

III-1

STEERING ASSEMBLY

(CHARGER — MUSTANG — TX CHARGER)



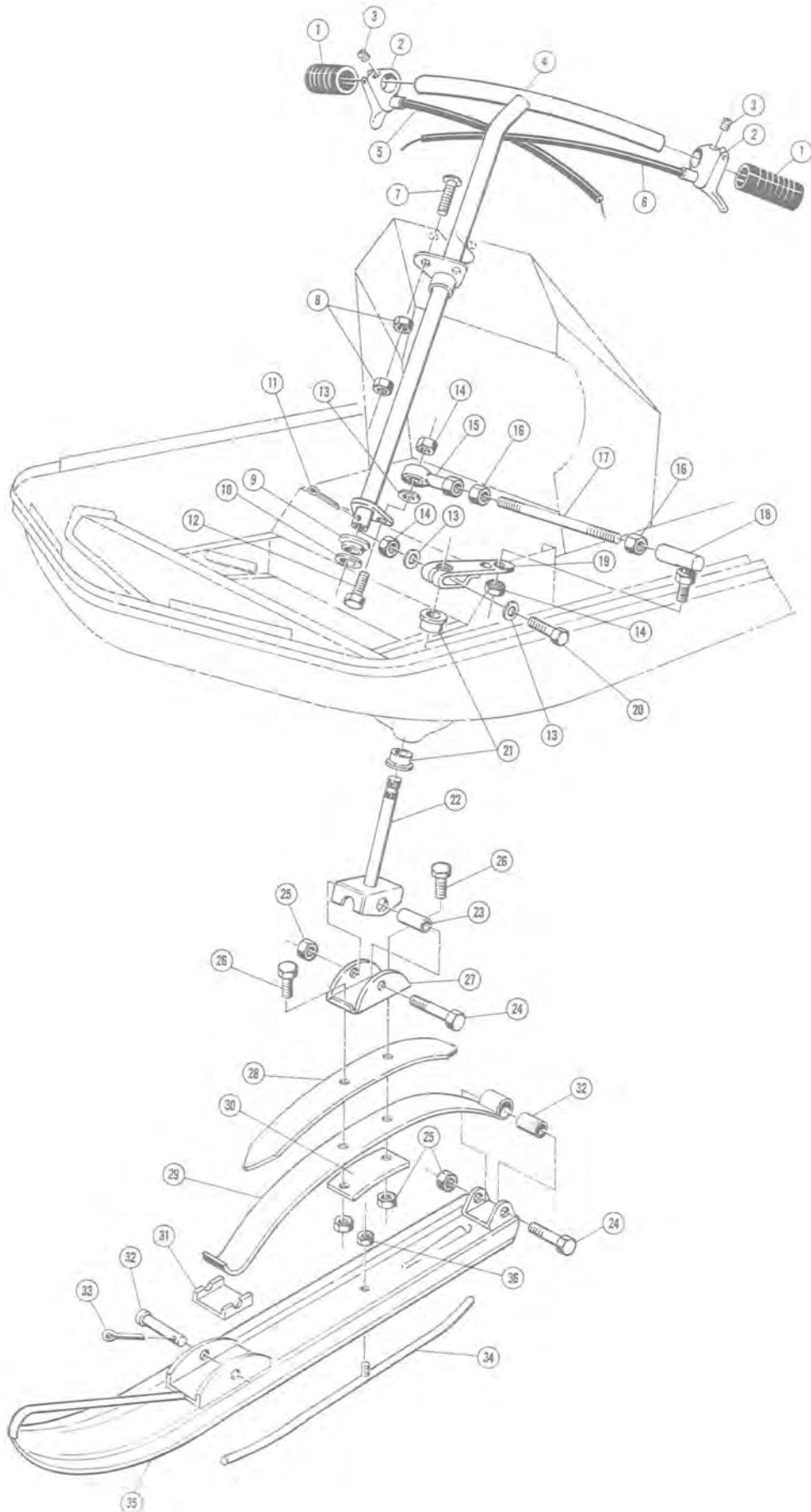
STEERING ASSEMBLY

(PLAYMATE)

[illegible]

STEERING ASSEMBLY

(PLAYMATE)

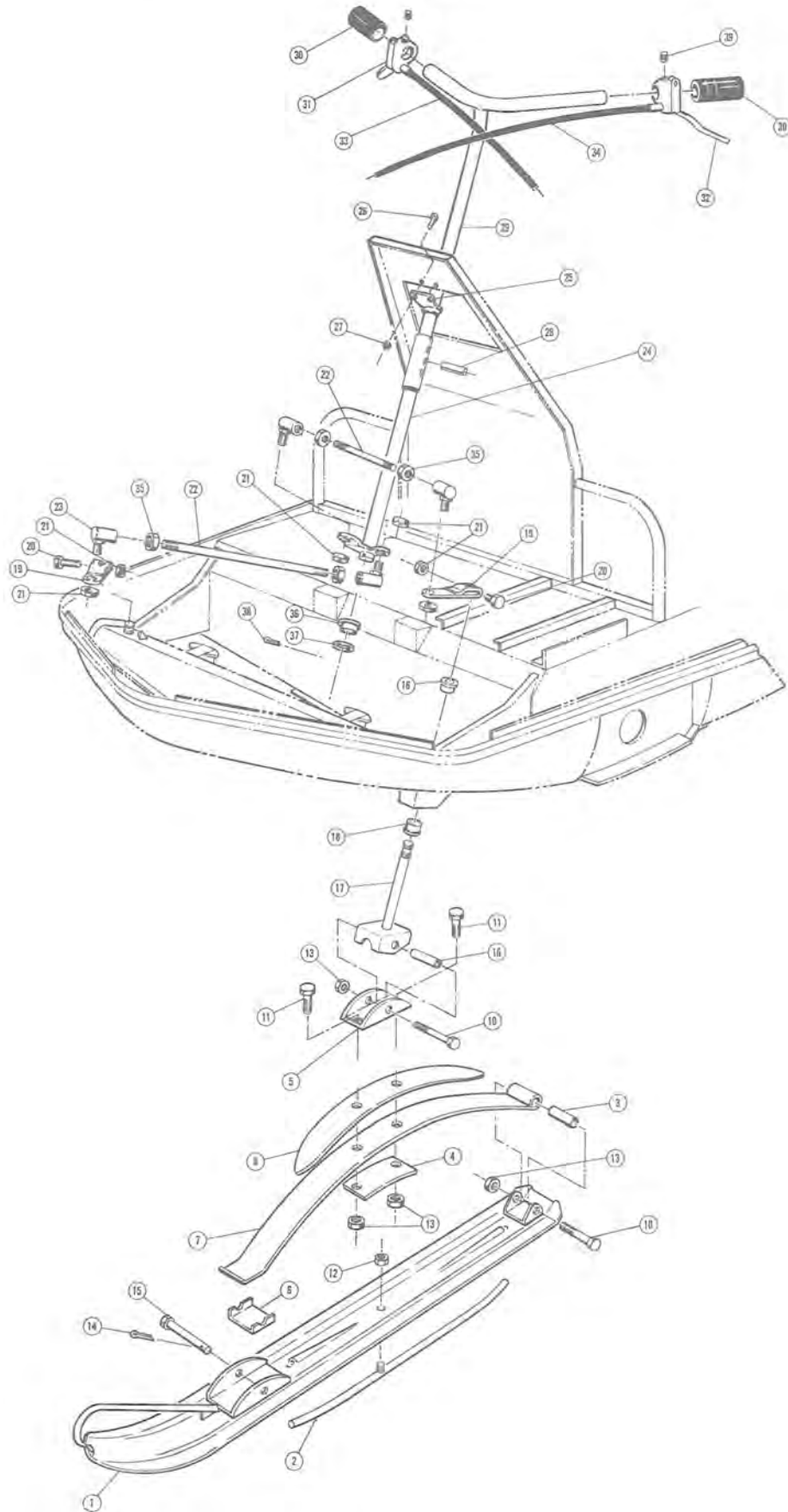


(VOYAGER)

111-6

STEERING ASSEMBLY

(VOYAGER)

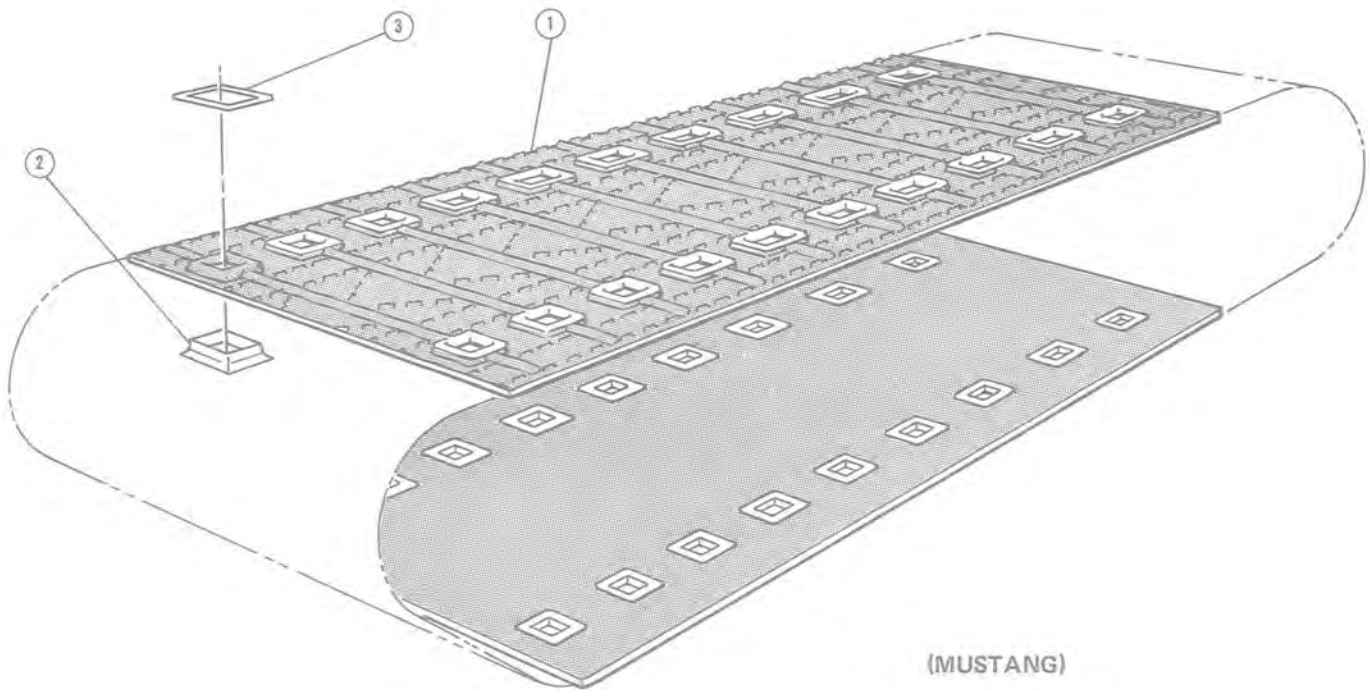


TRACK ASSEMBLY

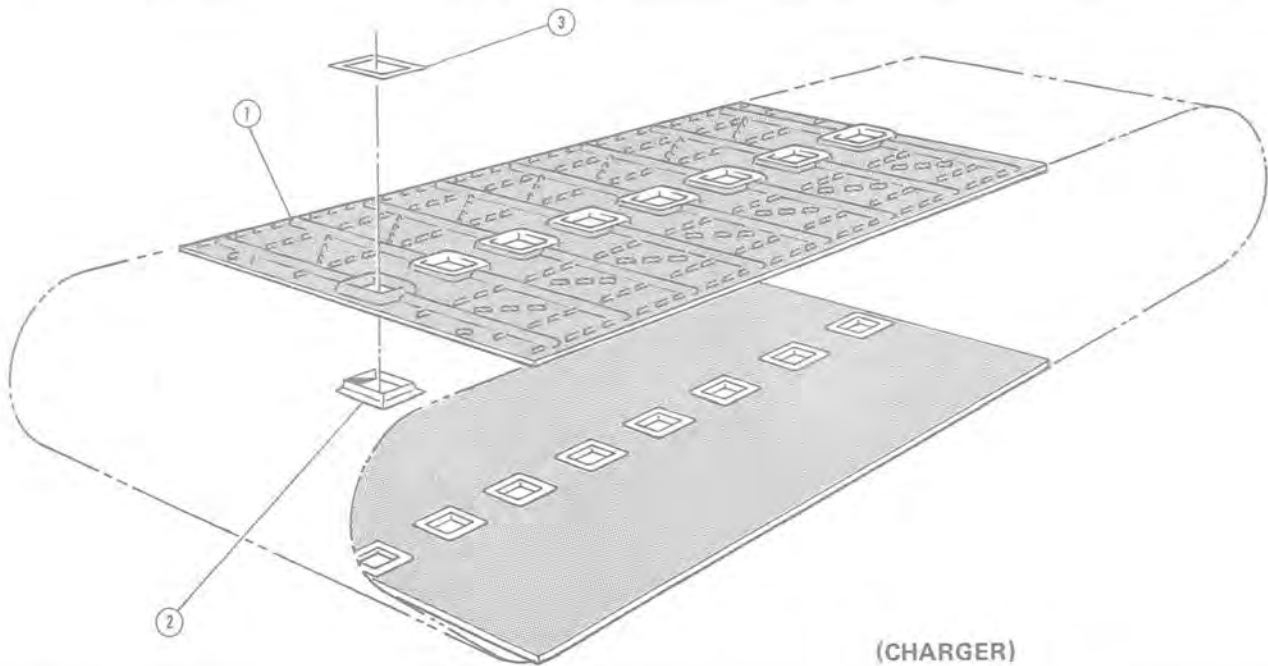
Group IV

RUBBER TRACK ASSEMBLY

(MUSTANG – CHARGER)

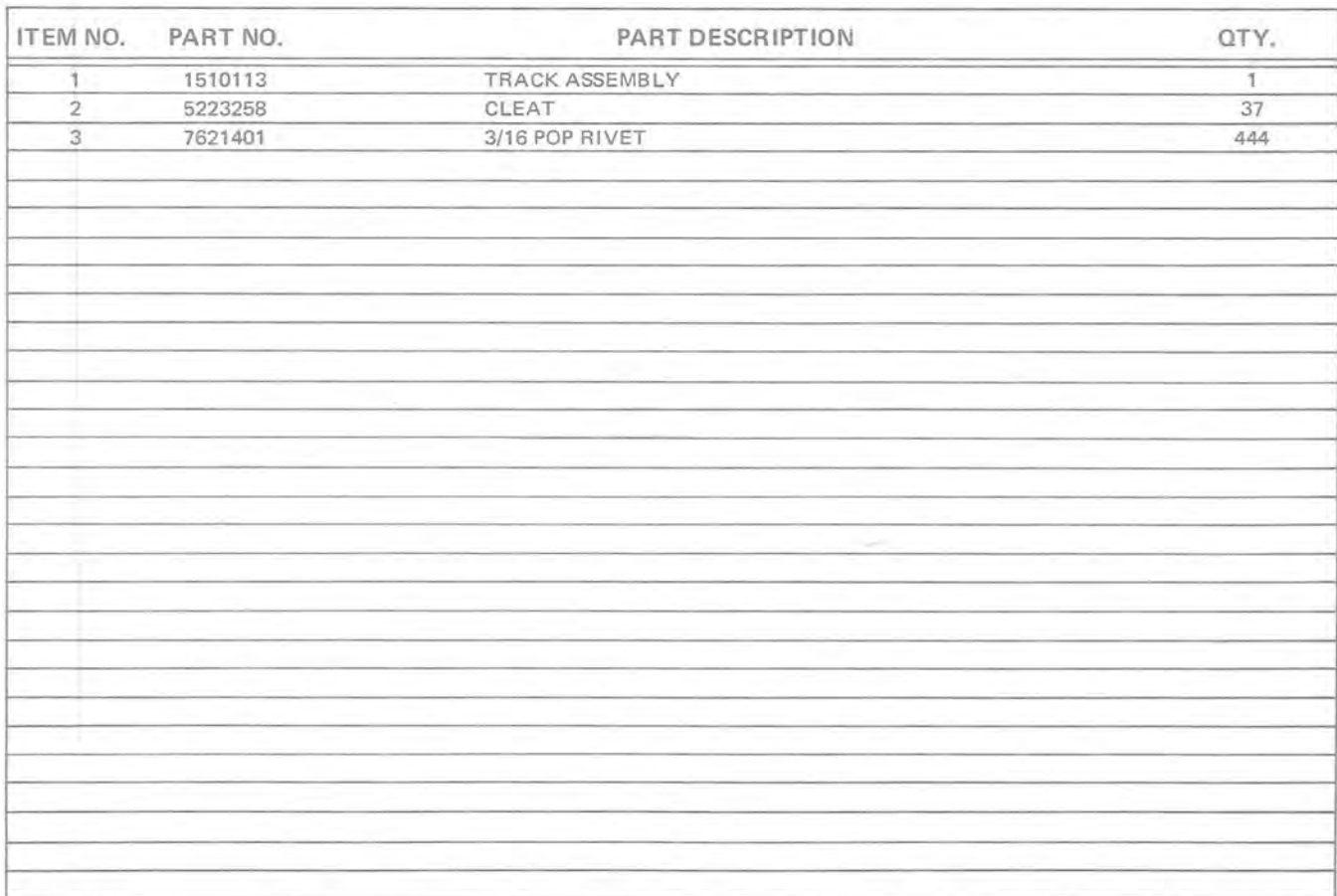


ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	1511003	TRACK ASSEMBLY	1
2	5240011	CLIP	84
3	5240014	CLIP WASHER	84

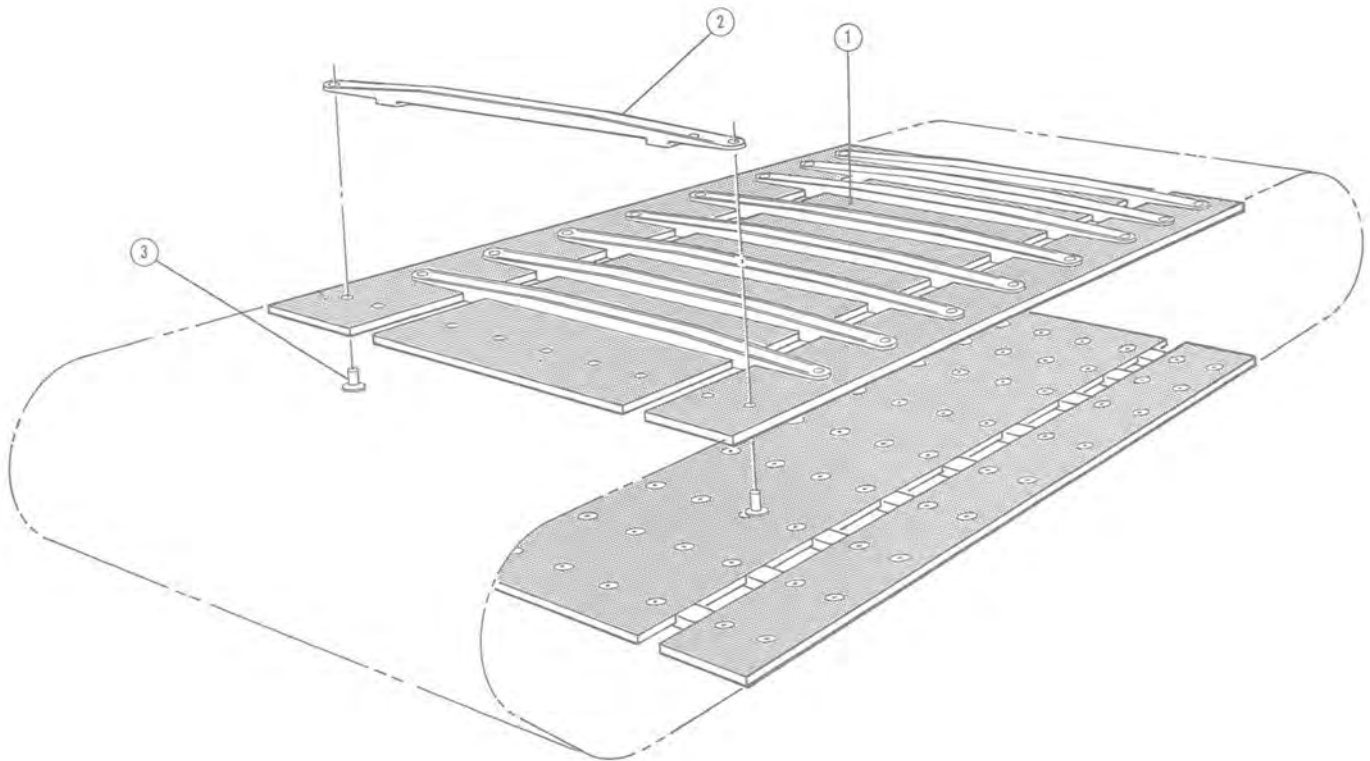


ITEM NO.	PART NO.	PART DESCRIPTION	QTY.
1	1510108	RUBBER TRACK ASSEMBLY	1
2	5240011	CLIP	42
3	5240014	CLIP WASHER	42

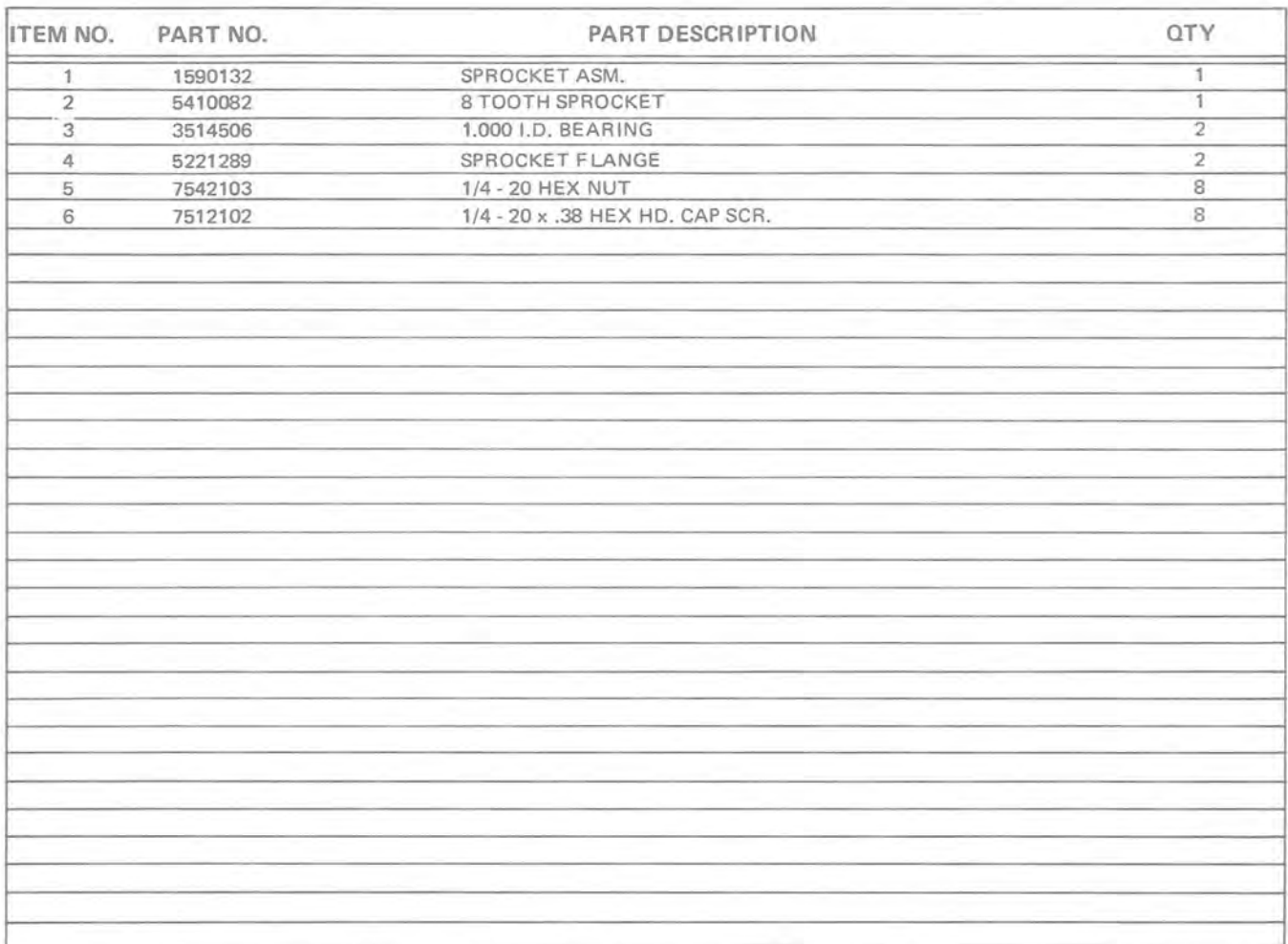
(CHARGER – TX CHARGER)



(MUSTANG)

[illegible]

(MUSTANG & CHARGER – DRIFTSKIPPER)

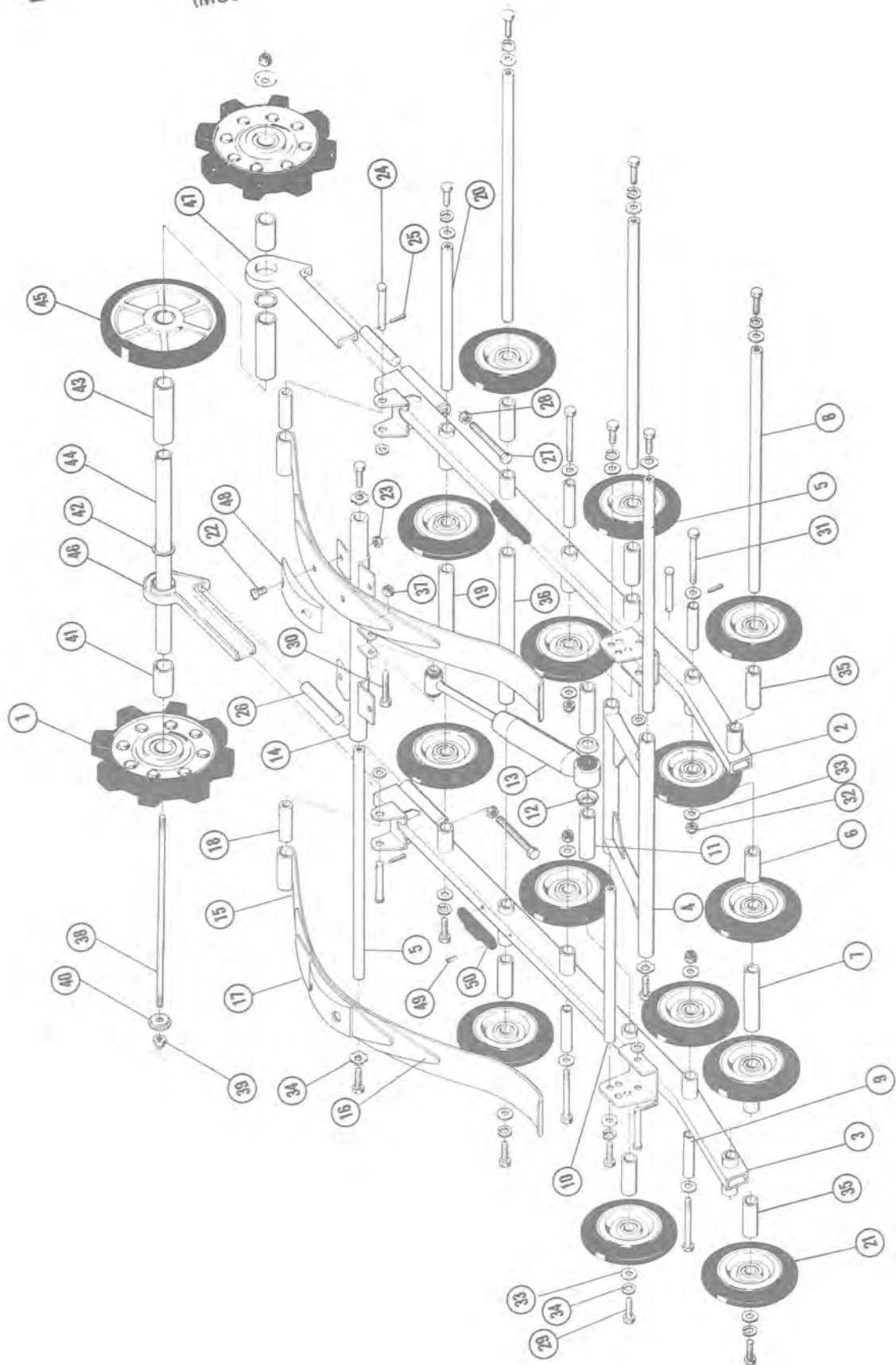


(MUSTANG-RUBBER TRACK)

IV - 5

DRIFT SKIPPER ASSEMBLY

(MUSTANG-RUBBER TRACK)

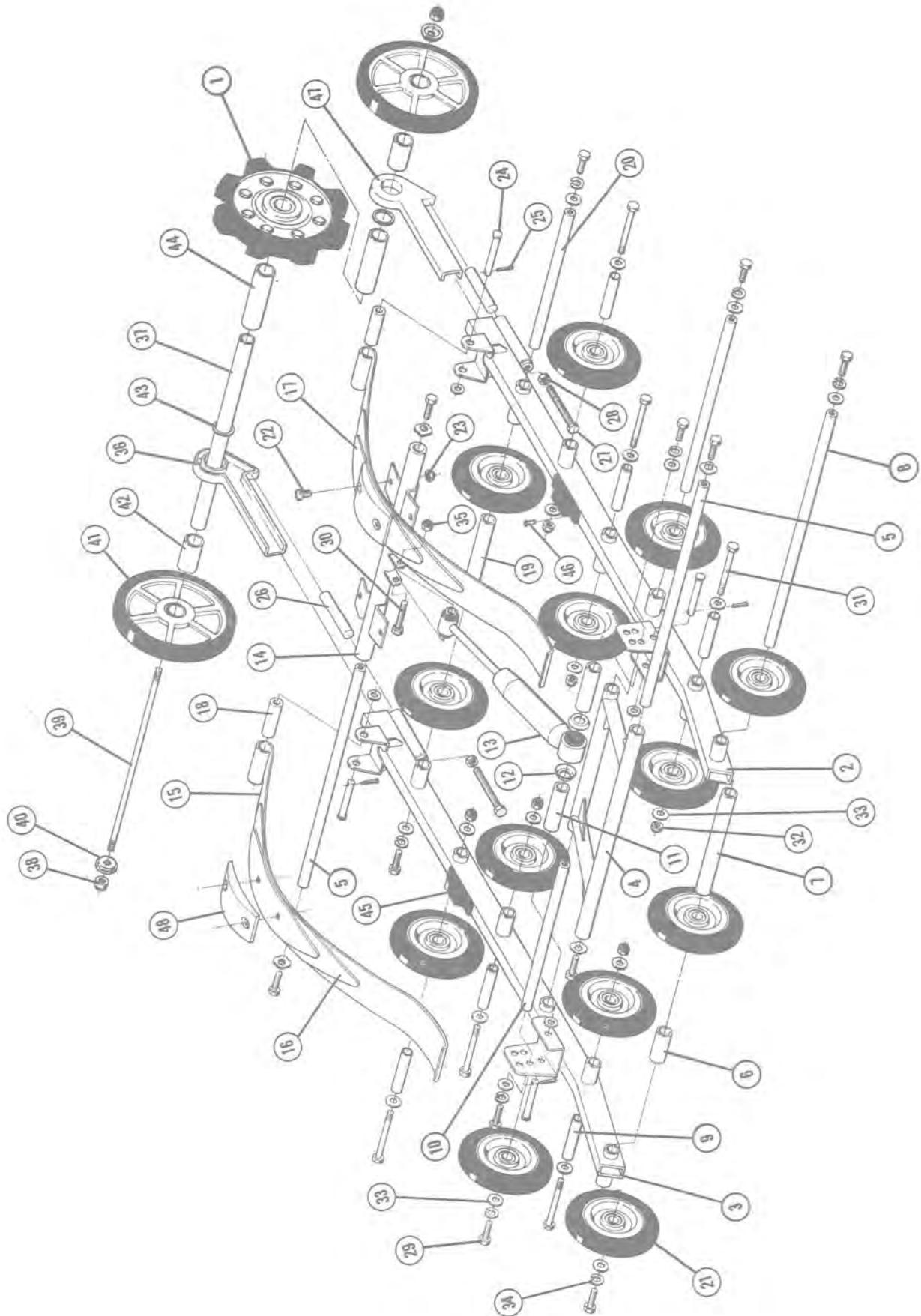


(CHARGER)

IV-7

DRIFT SKIPPER ASSEMBLY

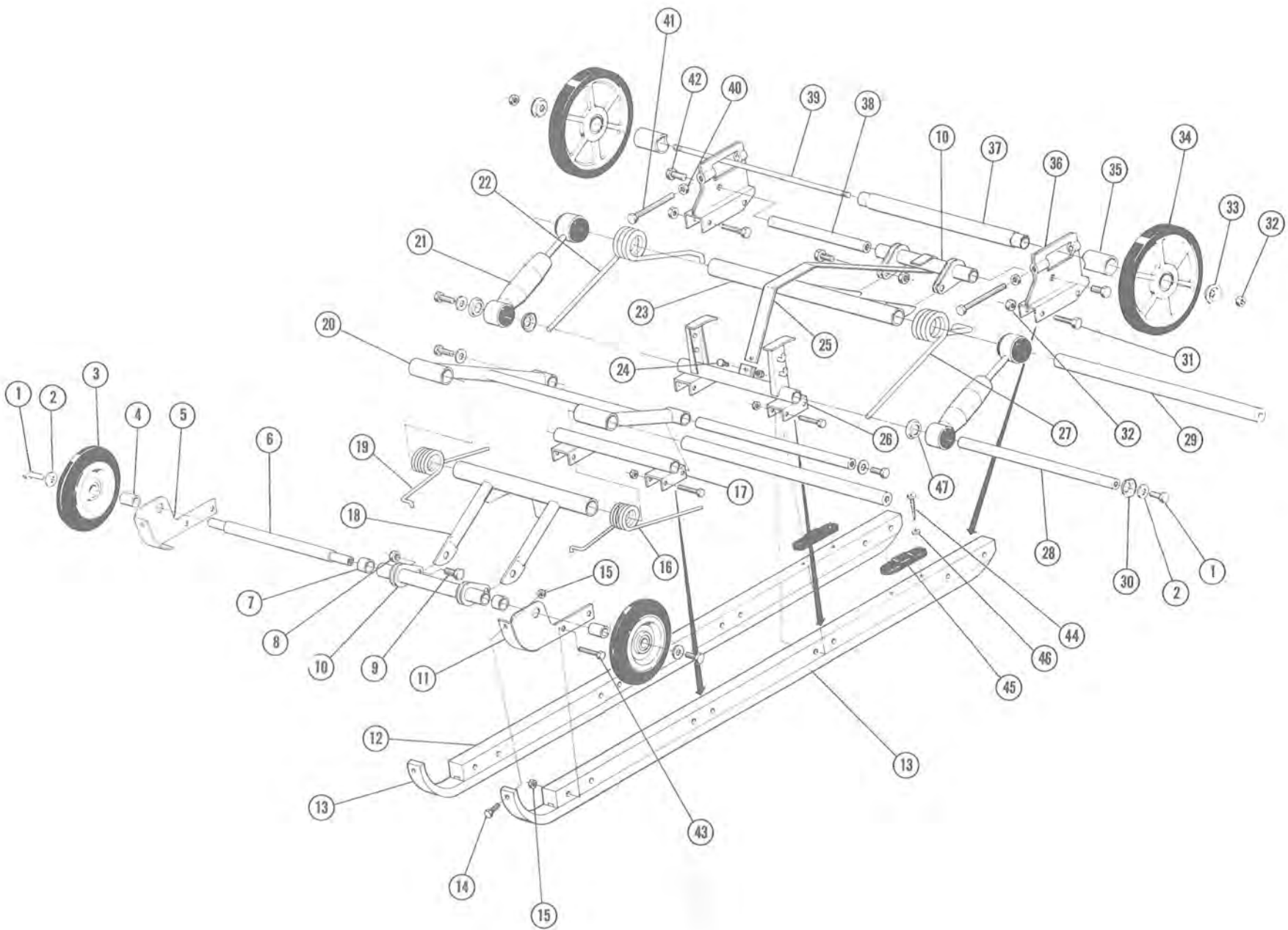
(CHARGER)



(MUSTANG)

IV - 9

SLIDE RAIL ASSEMBLY (MUSTANG)

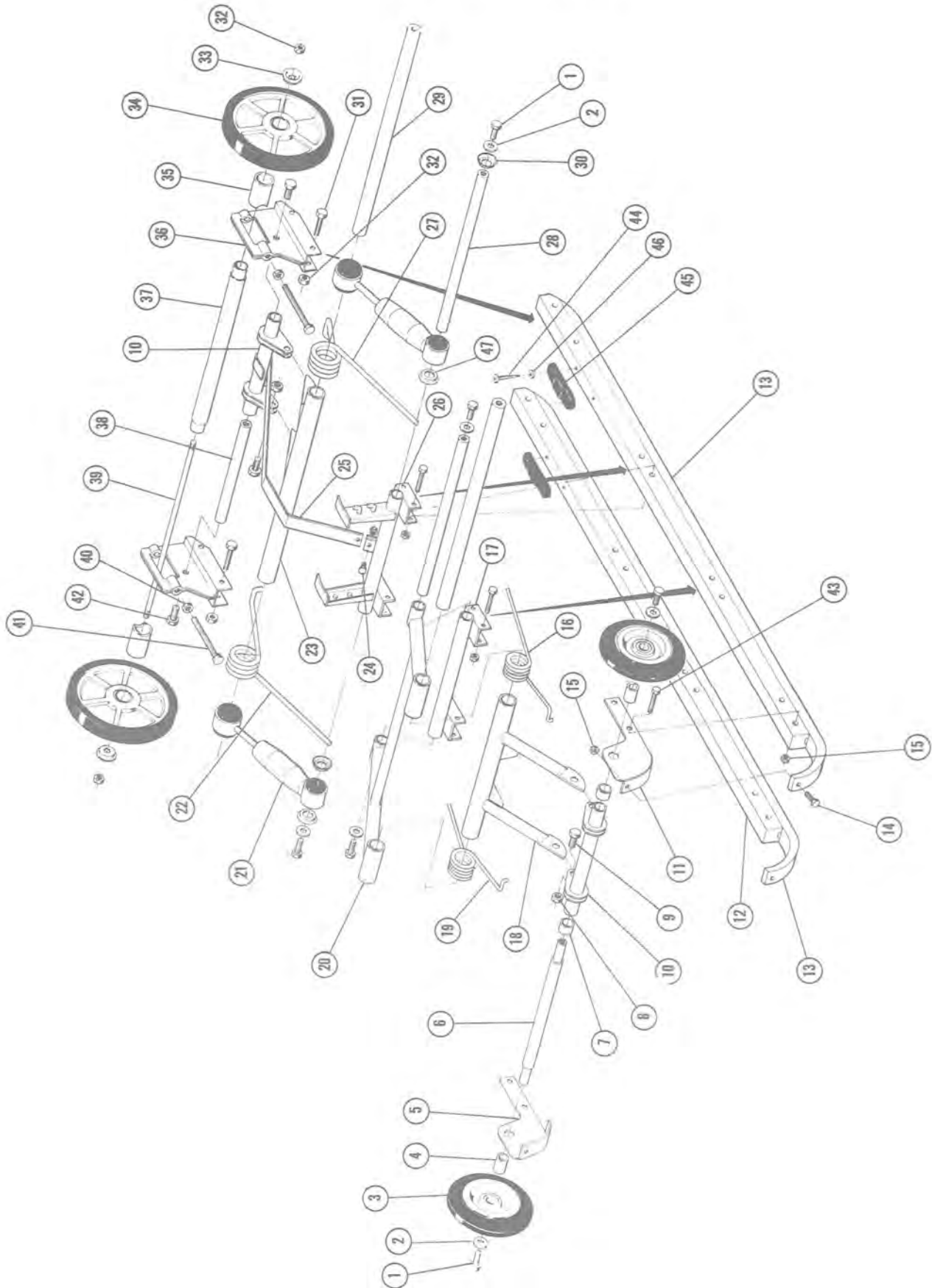


(CHARGER - TX CHARGER)

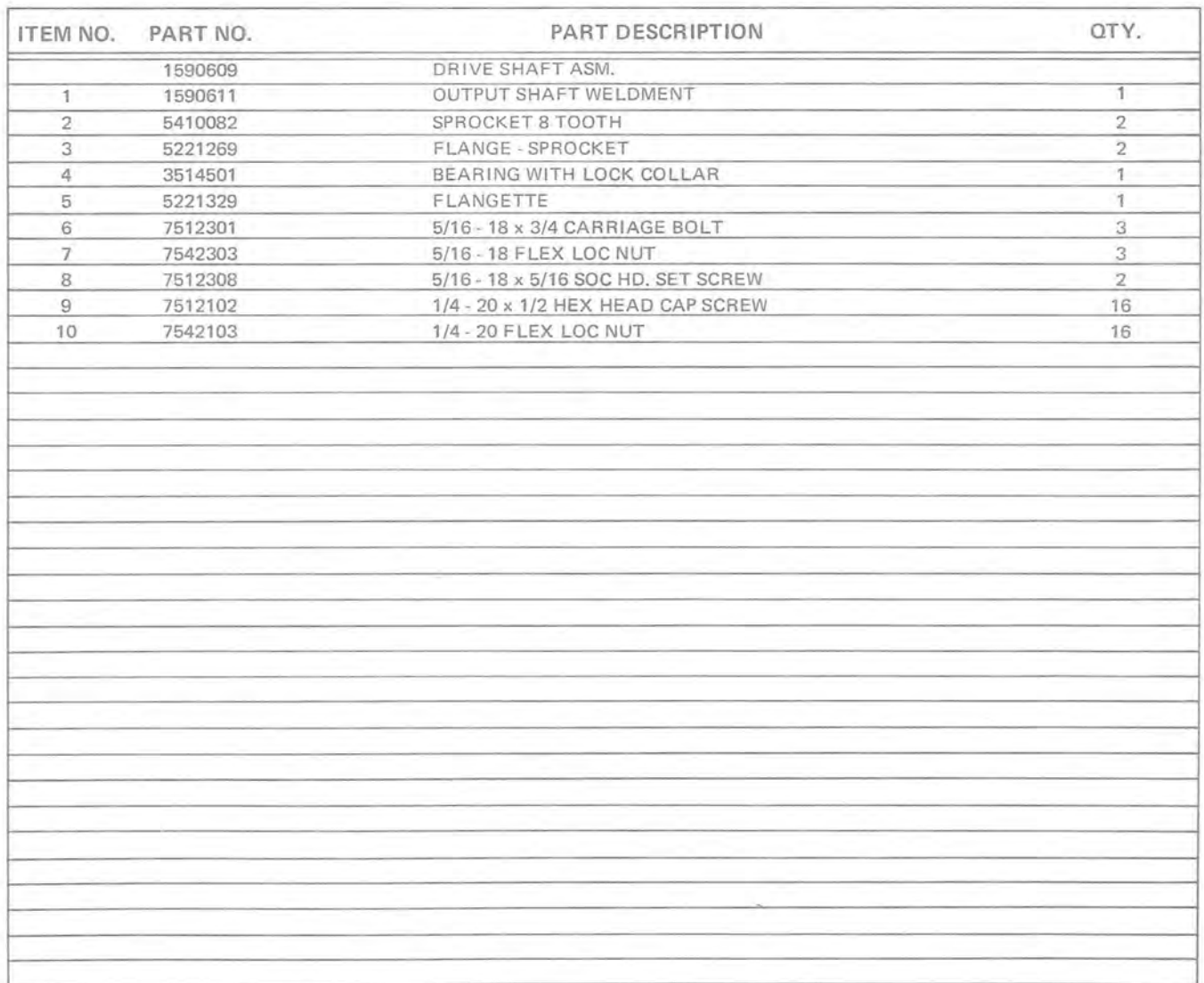
IV - 11

SLIDE RAIL ASSEMBLY

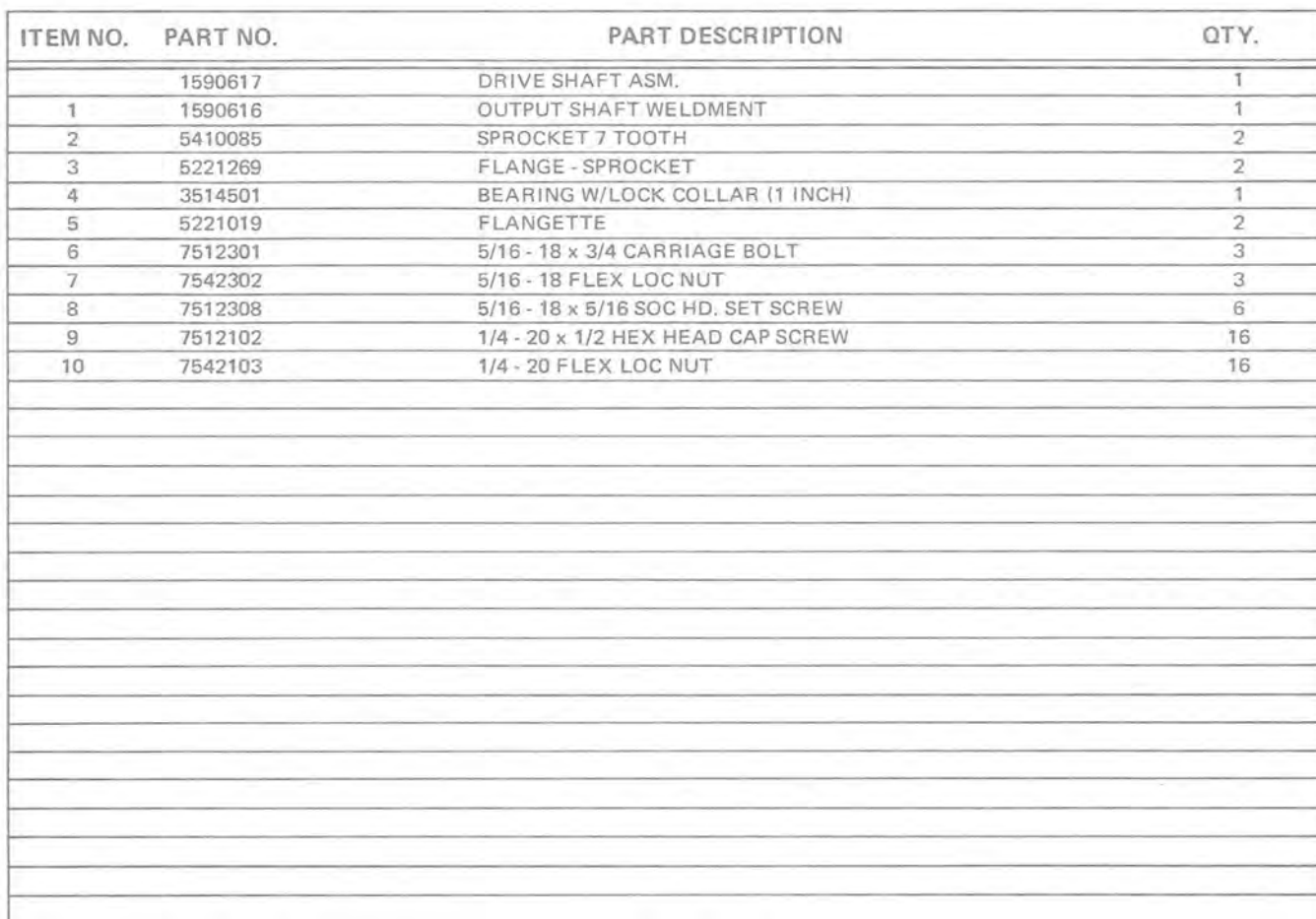
(CHARGER – TX CHARGER)



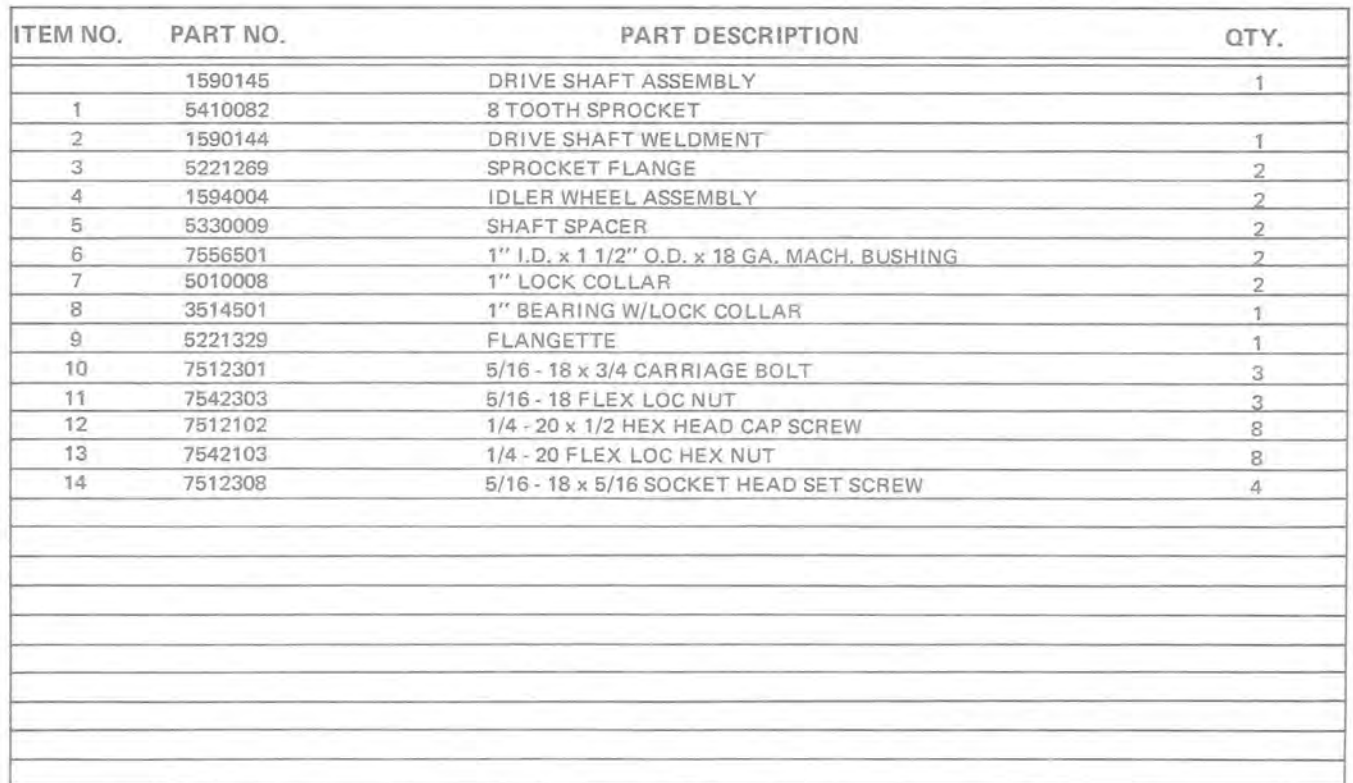
(MUSTANG RUBBER TRACK)



(MUSTANG GROWER BAR TRACK)



(CHARGER RUBBER TRACK)



This diagram shows an exploded view of a mechanical assembly, likely a pump or motor component. The parts are numbered 1 through 12. The assembly consists of a central shaft (1) with a pin (12) at one end. On the shaft, there are two flange-like components (2 and 3) and two gear-like components (4 and 5). The flange (2) is secured with bolts (11). The gear (4) is secured with a pin (10). The flange (3) is secured with bolts (11). The gear (5) is secured with a pin (10). The assembly is shown in an exploded view, with the parts separated to show their relative positions and how they fit together.

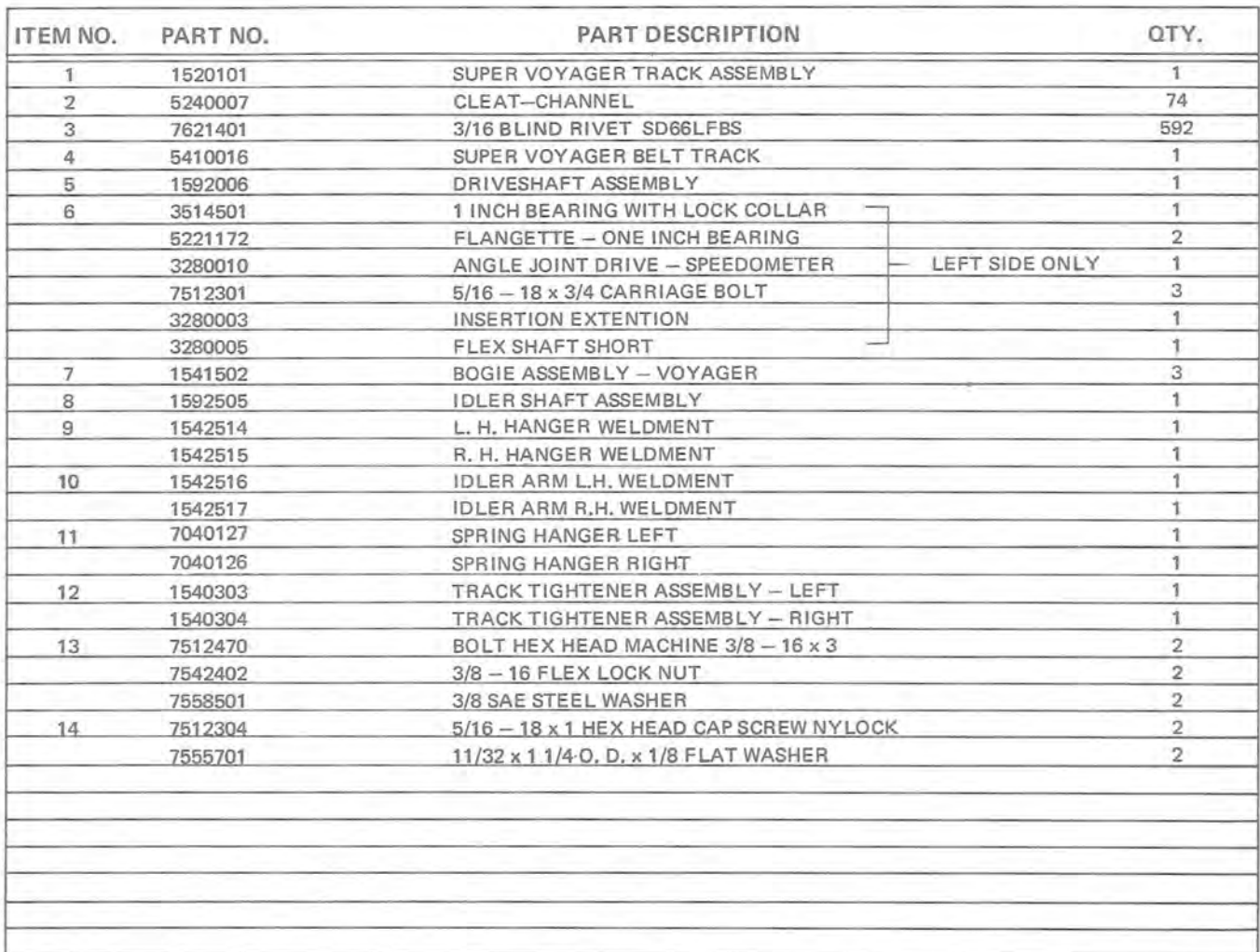
IV - 16

C

C



(VOYAGER)



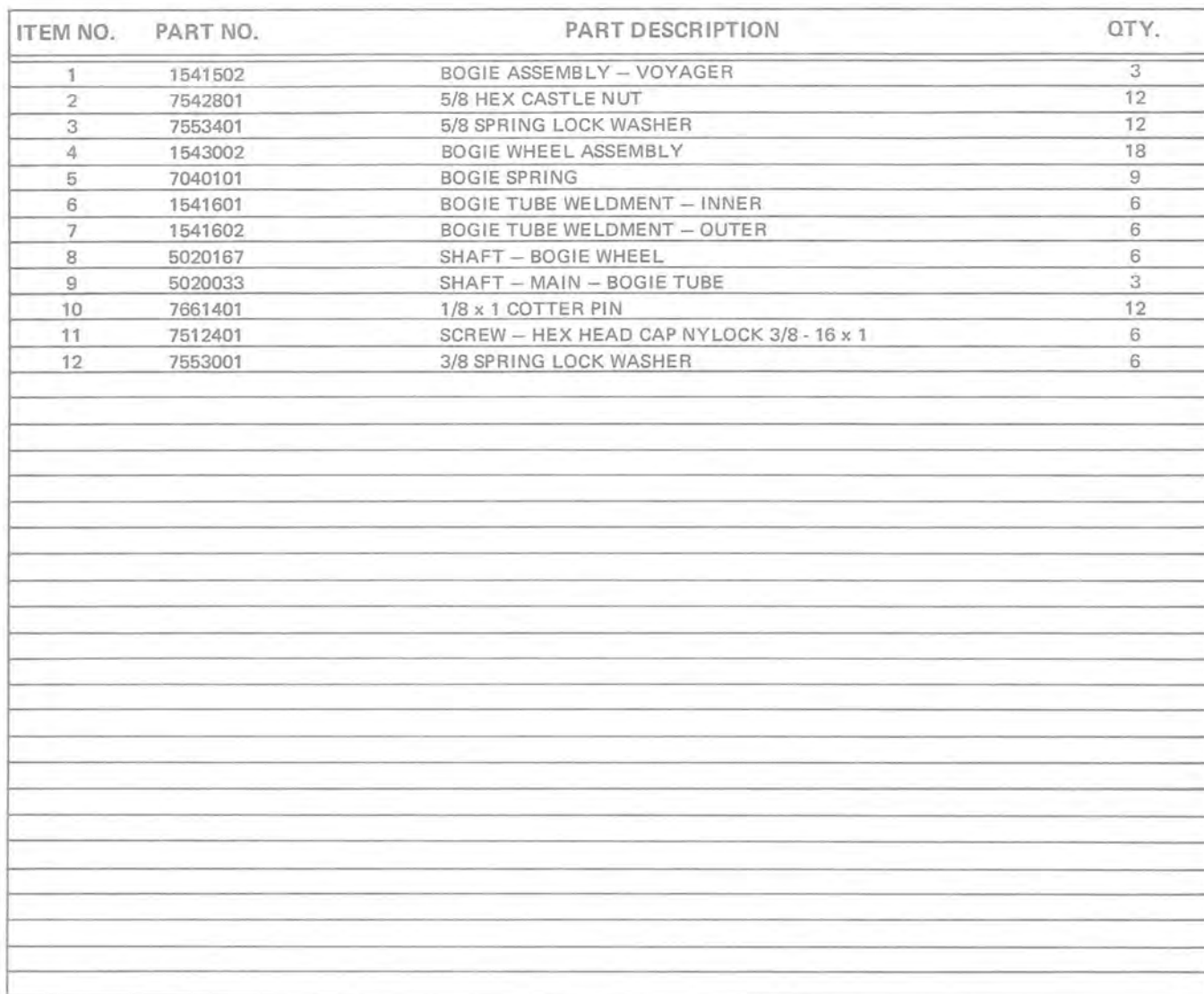
This exploded view diagram illustrates the assembly of a vehicle chassis. The components are numbered as follows:

- 1**: Wheel assembly (tire and rim).
- 2**: Lower control arm.
- 3**: Coil spring.
- 4**: Main longitudinal chassis beam.
- 5**: Bolt.
- 6**: Nut.
- 7**: Rear axle shaft.
- 8**: Shock absorber.
- 9**: Upper control arm.
- 10**: Suspension link/bushing assembly.

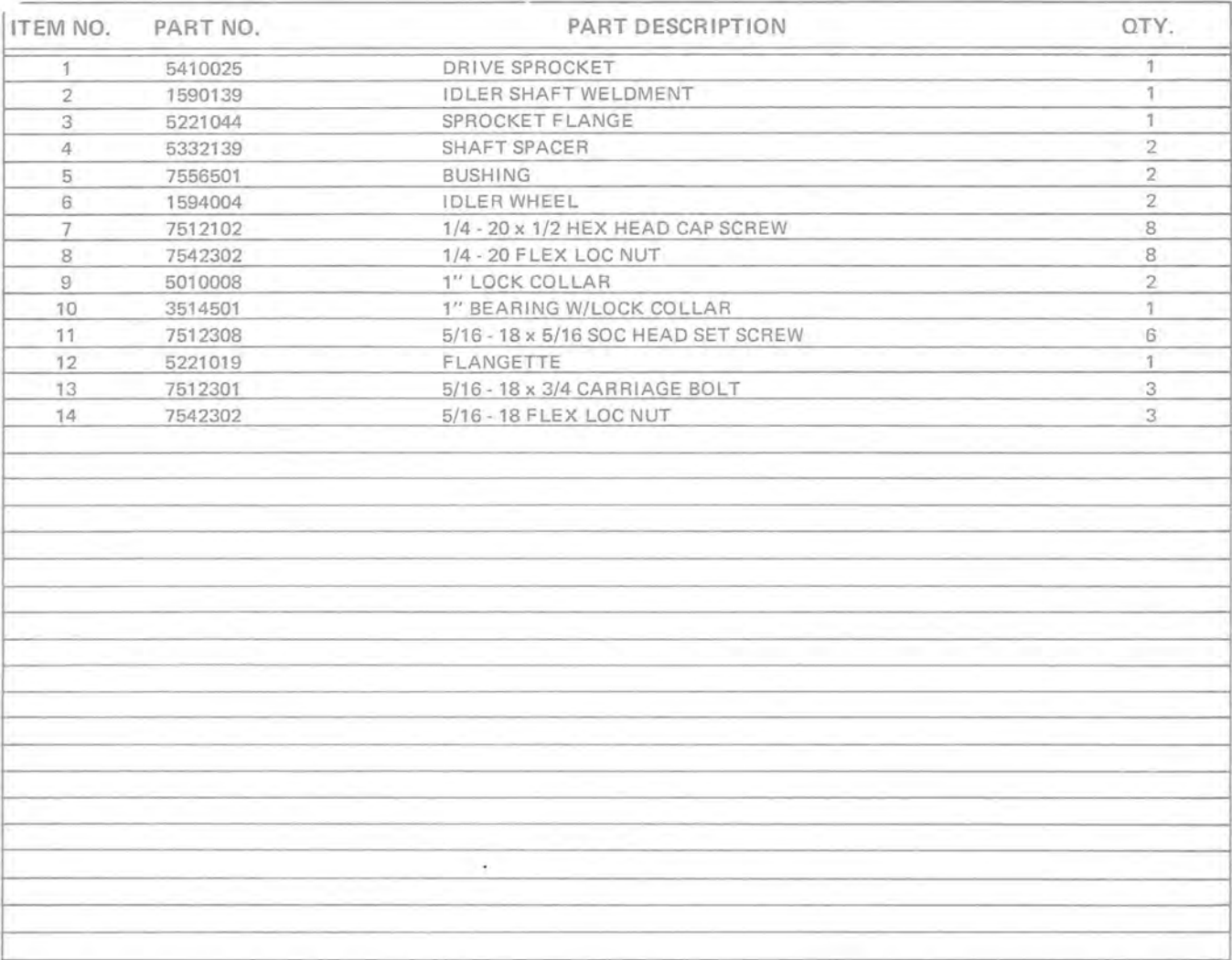
The diagram shows the spatial relationship between these parts, including the wheels, control arms, springs, shock absorbers, and the main chassis beam, along with the necessary fasteners for assembly.

IV - 20

(VOYAGER)



(PLAYMATE RUBBER TRACK)

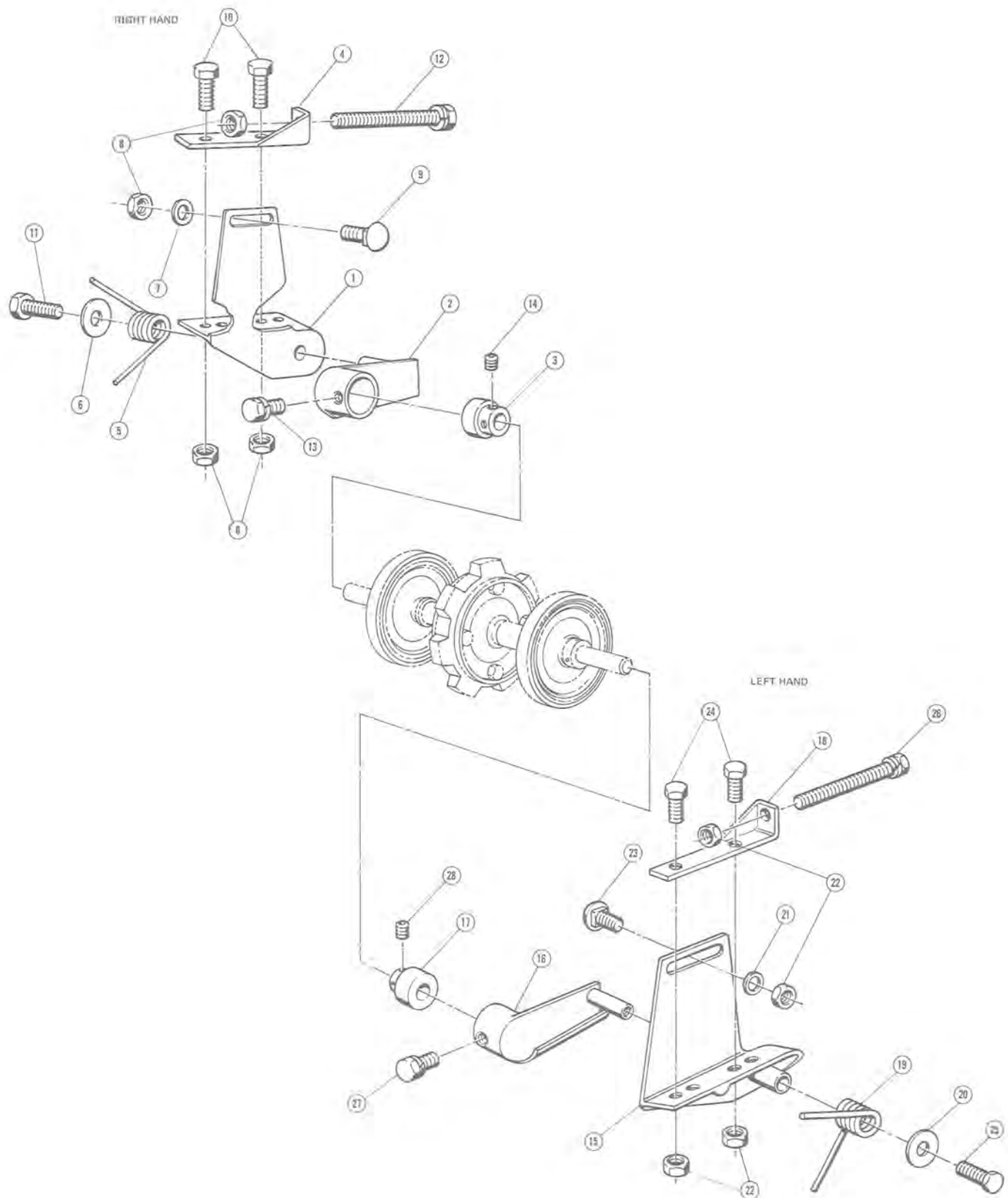


(PLAYMATE)

IV - 23

HANGER ASSEMBLY

(PLAYMATE)

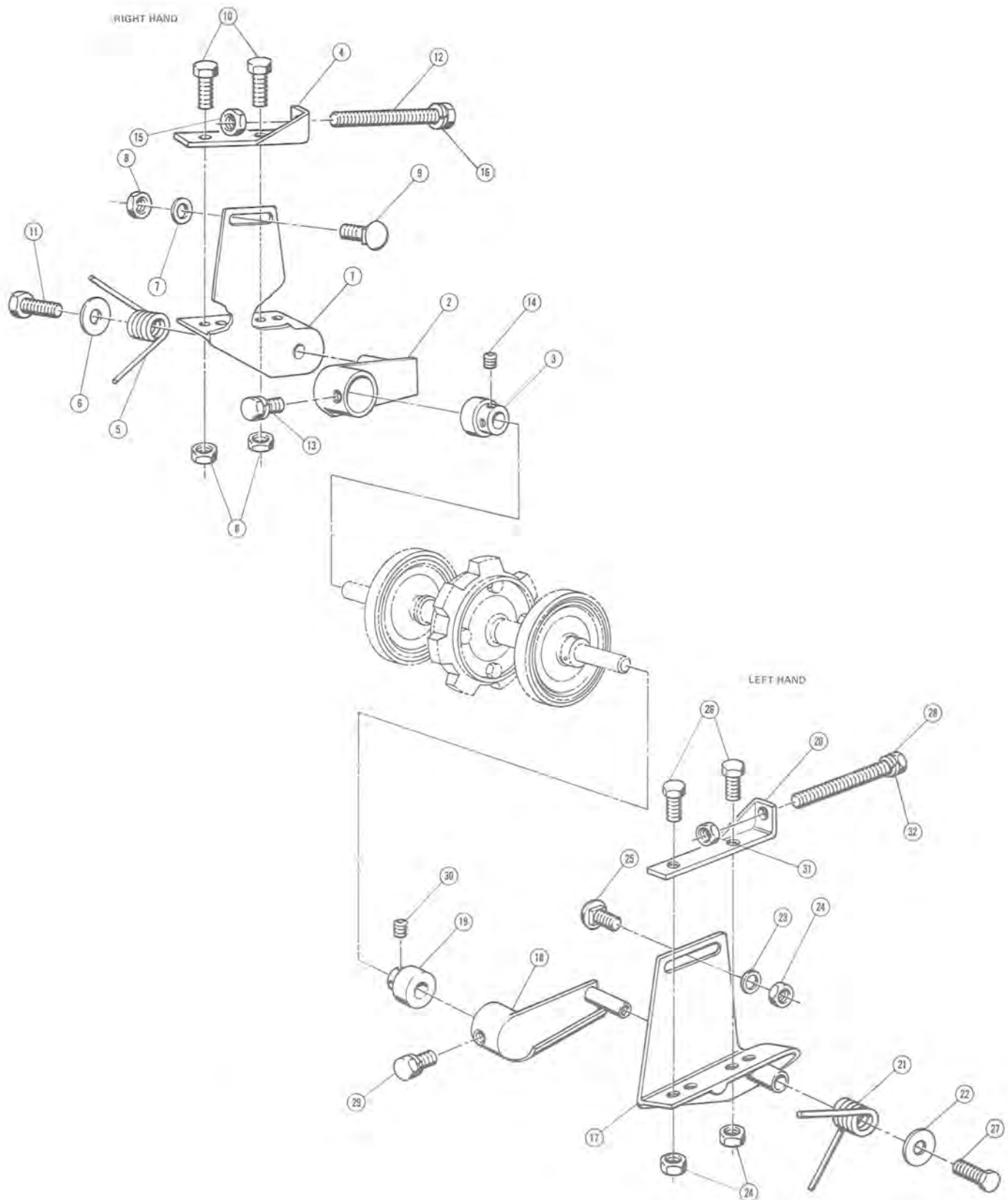


(VOYAGER)

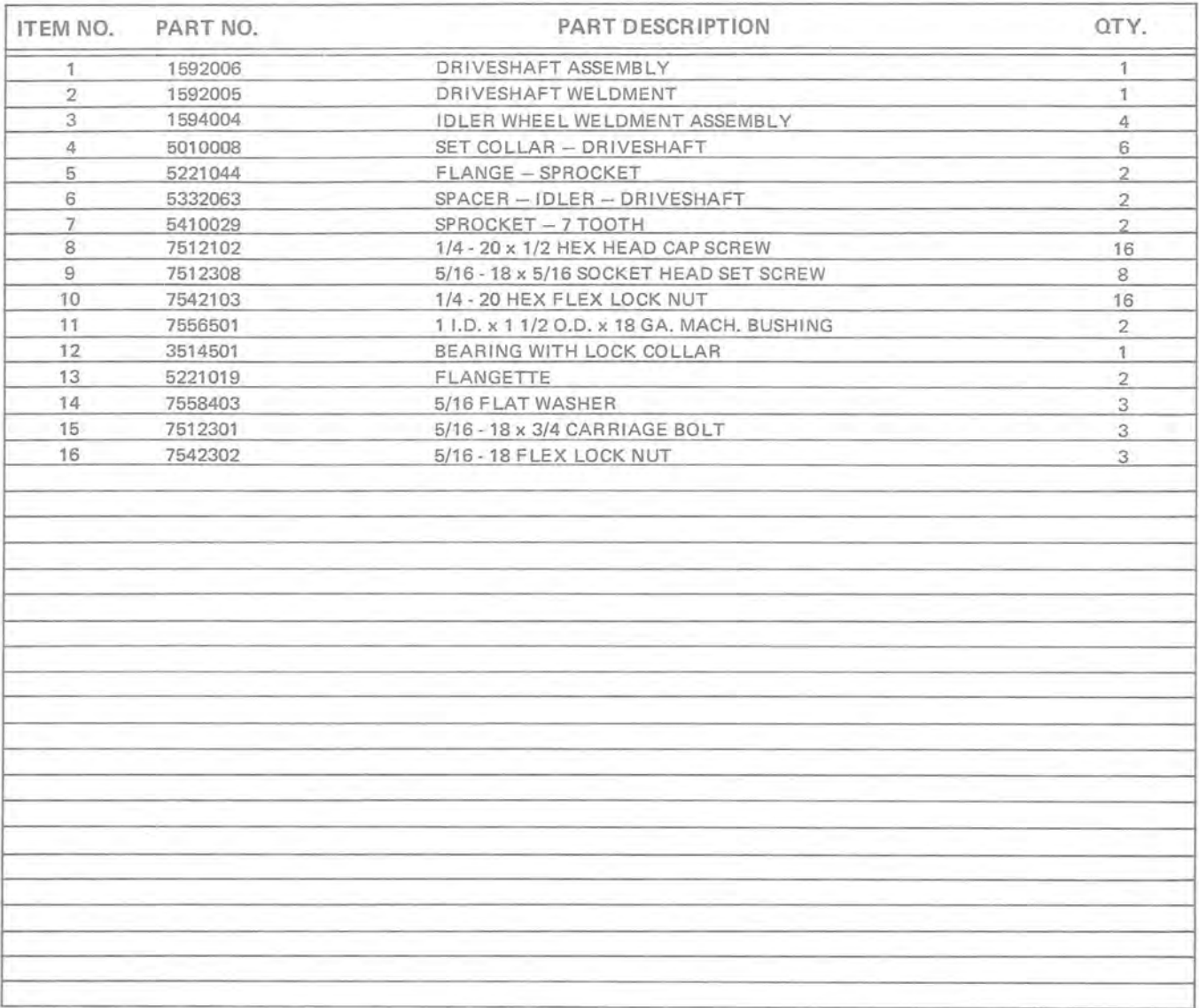
IV - 25

HANGER ASSEMBLY

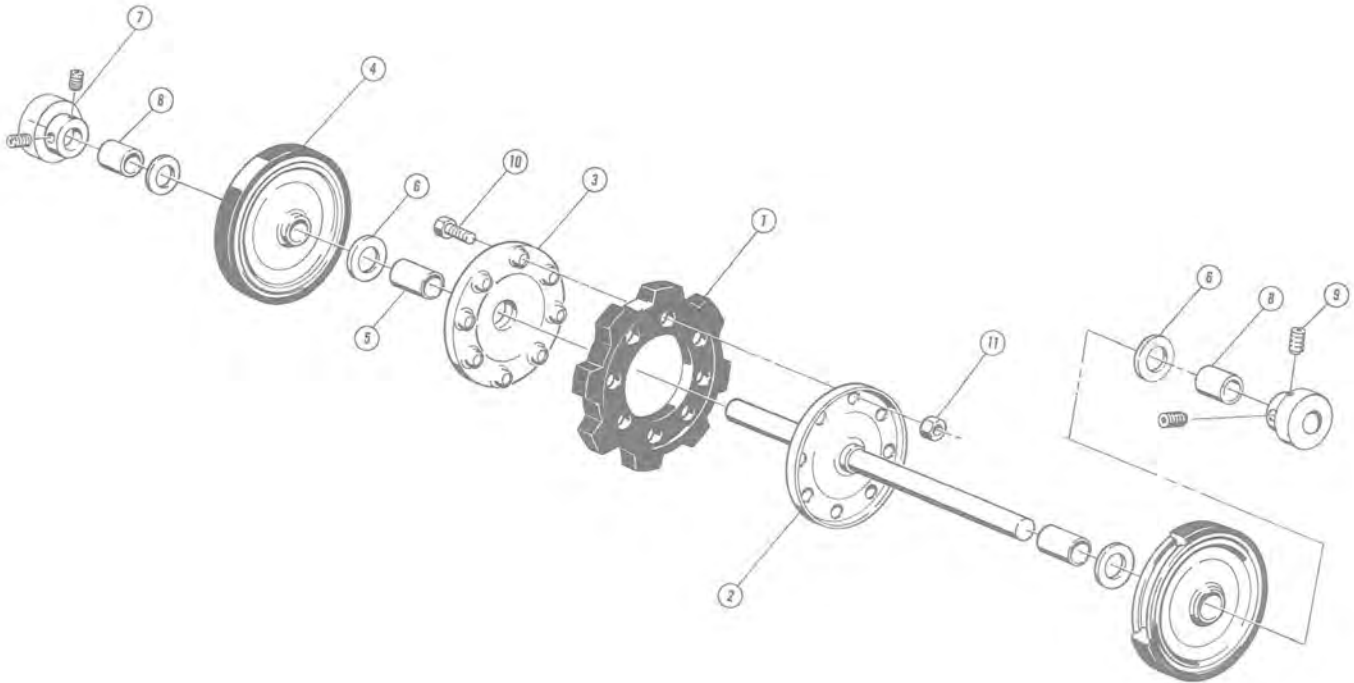
(VOYAGER)



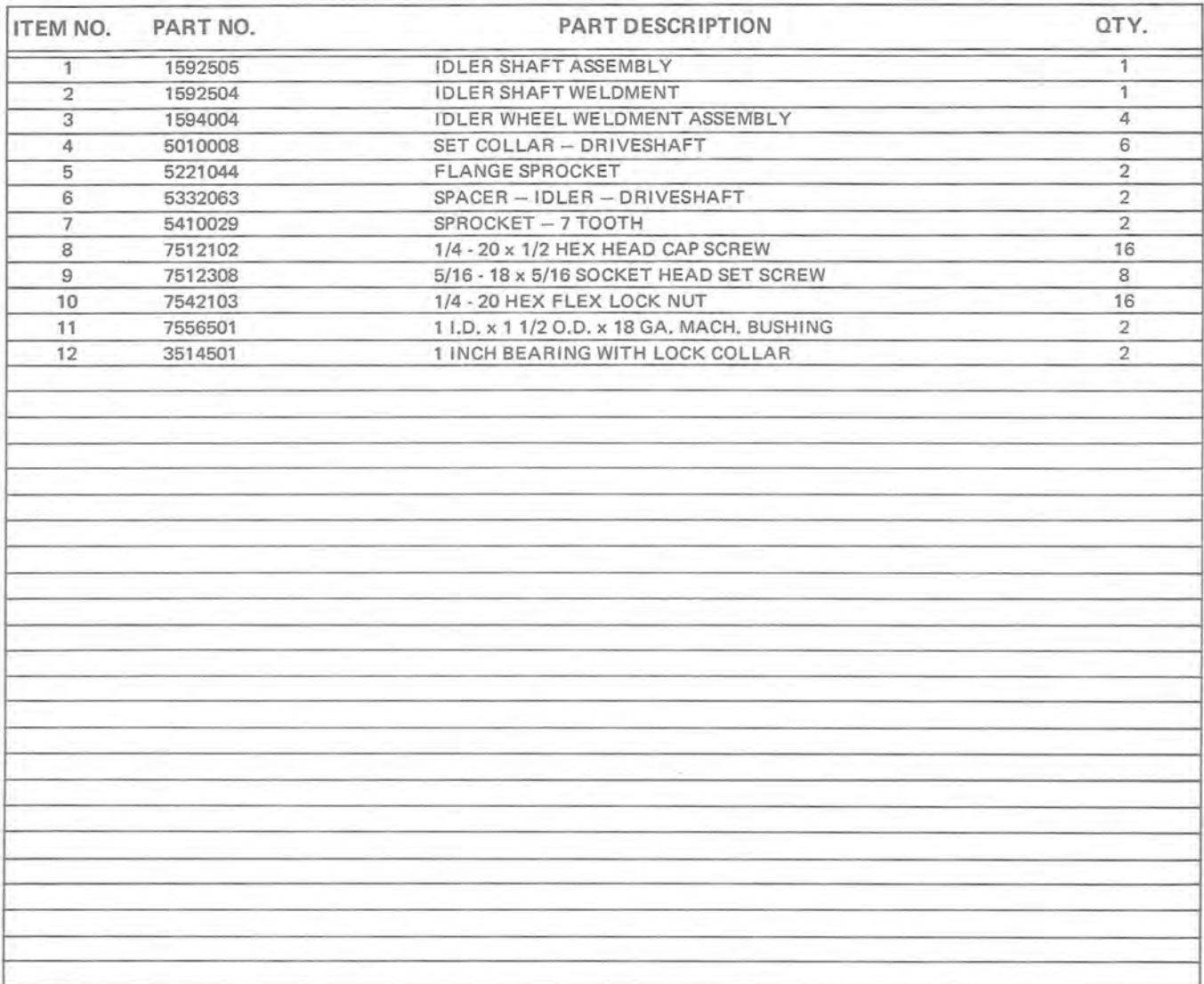
(VOYAGER GROWSER BAR TRACK)



(PLAYMATE)

[illegible]

(VOYAGER)



ENGINE MOUNTINGS

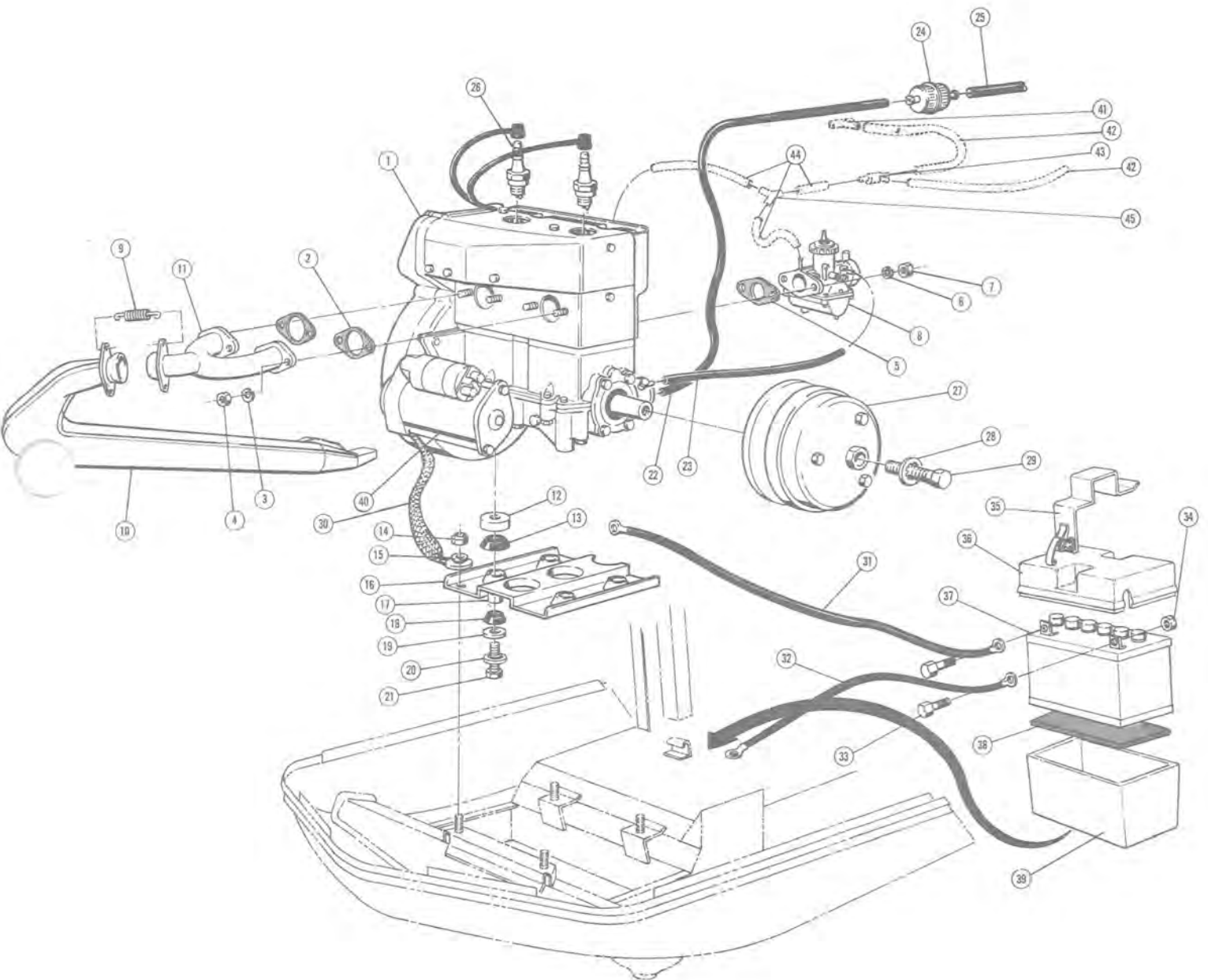
Group V

(STANDARD – MANUAL & ELECTRIC)

V-1

294cc - 488cc POLARIS

(STANDARD - MANUAL & ELECTRIC)

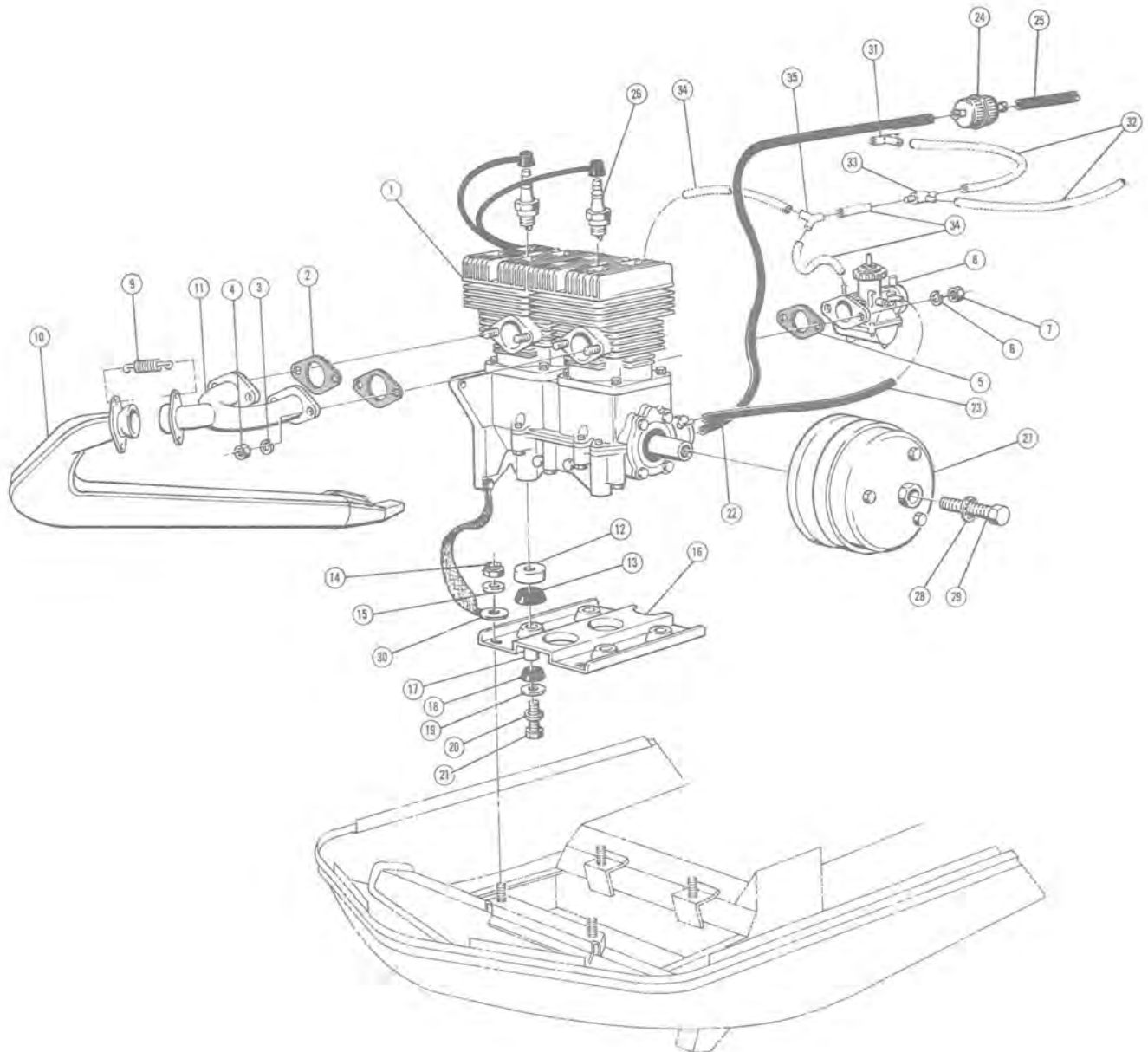


(FREE AIR)

V - 3

294cc - 488cc POLARIS

(FREE AIR)



(PLAYMATE)

V-5

(PLAYMATE)

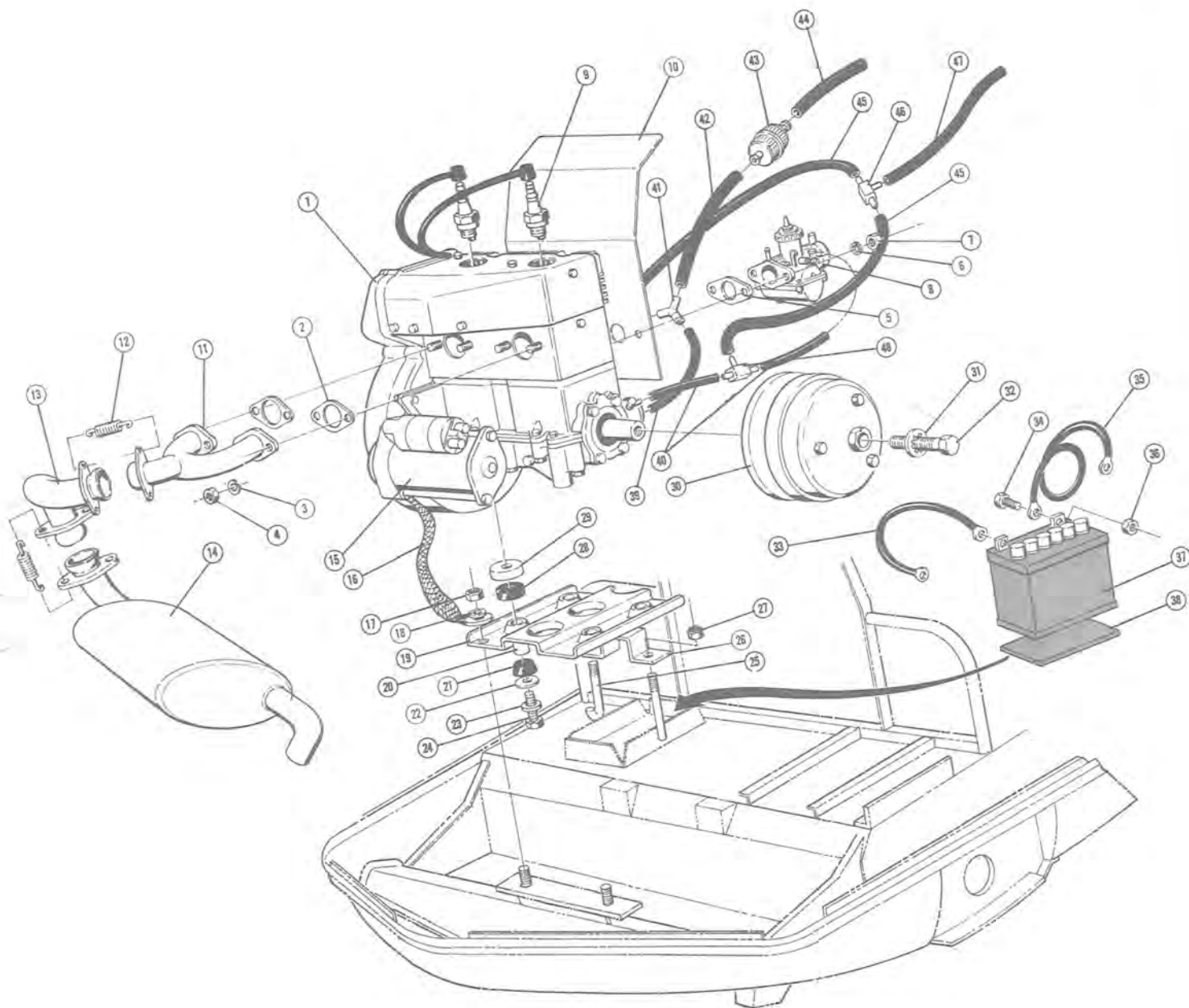


(VOYAGER ELECTRIC START)

V-7

488cc POLARIS

(VOYAGER ELECTRIC START)



1971 ELECTRICAL
SYSTEM

POLARIS

VOYAGER

MUSTANG

CHARGER

TX CHARGER

PLAYMATE

1971

POLARIS

ENGINE BOOK



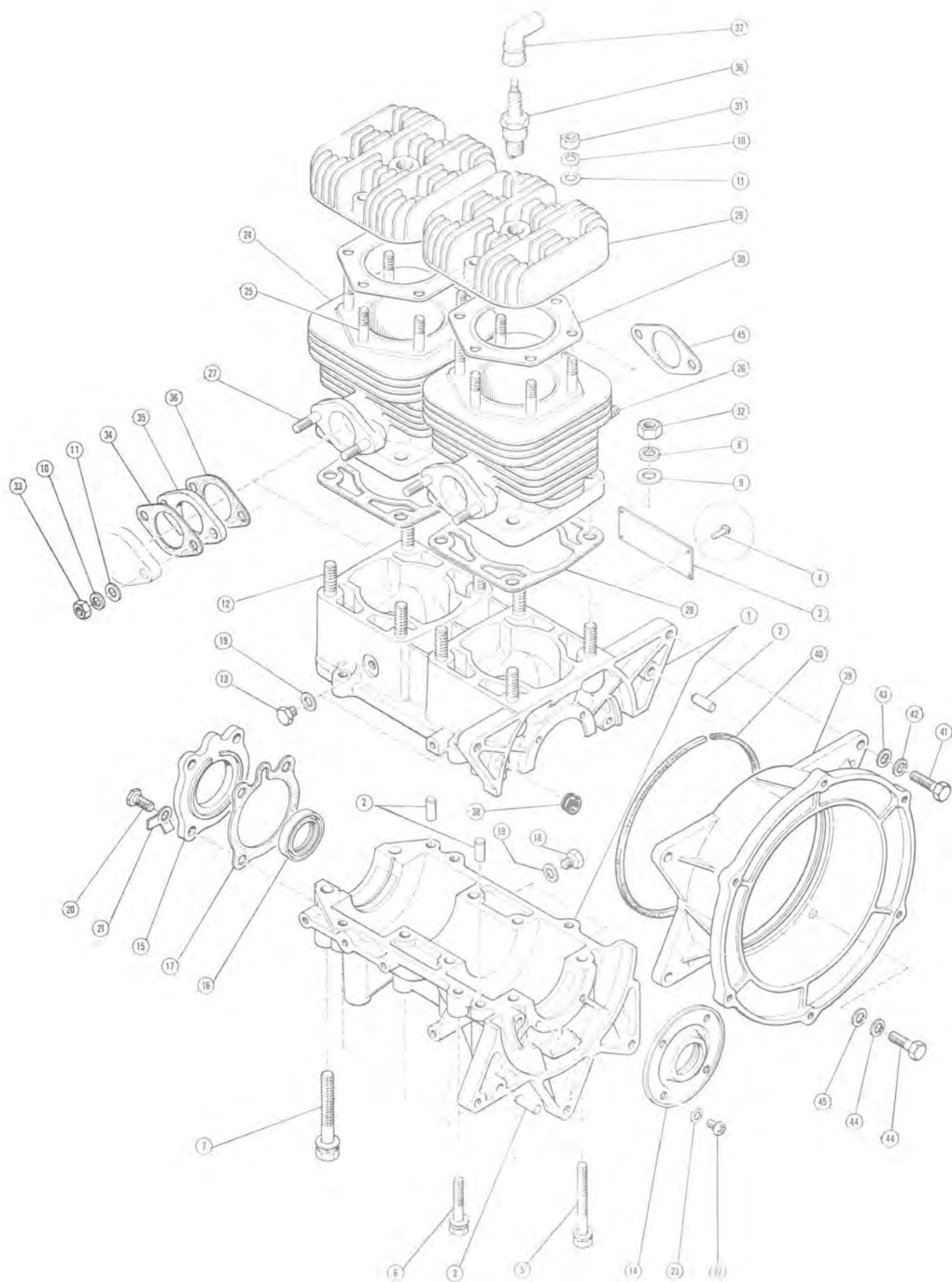
CONTENTS

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MAGNETO & IGNITION COIL – STANDARD	9-10
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RECOIL STARTER – STANDARD	19-20
BLOWER HOUSING – STANDARD	21-22
MUFFLER – STANDARD & FREE AIR	23-24
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CRANKCASE & CYLINDER – FREE AIR TYPE

[illegible]

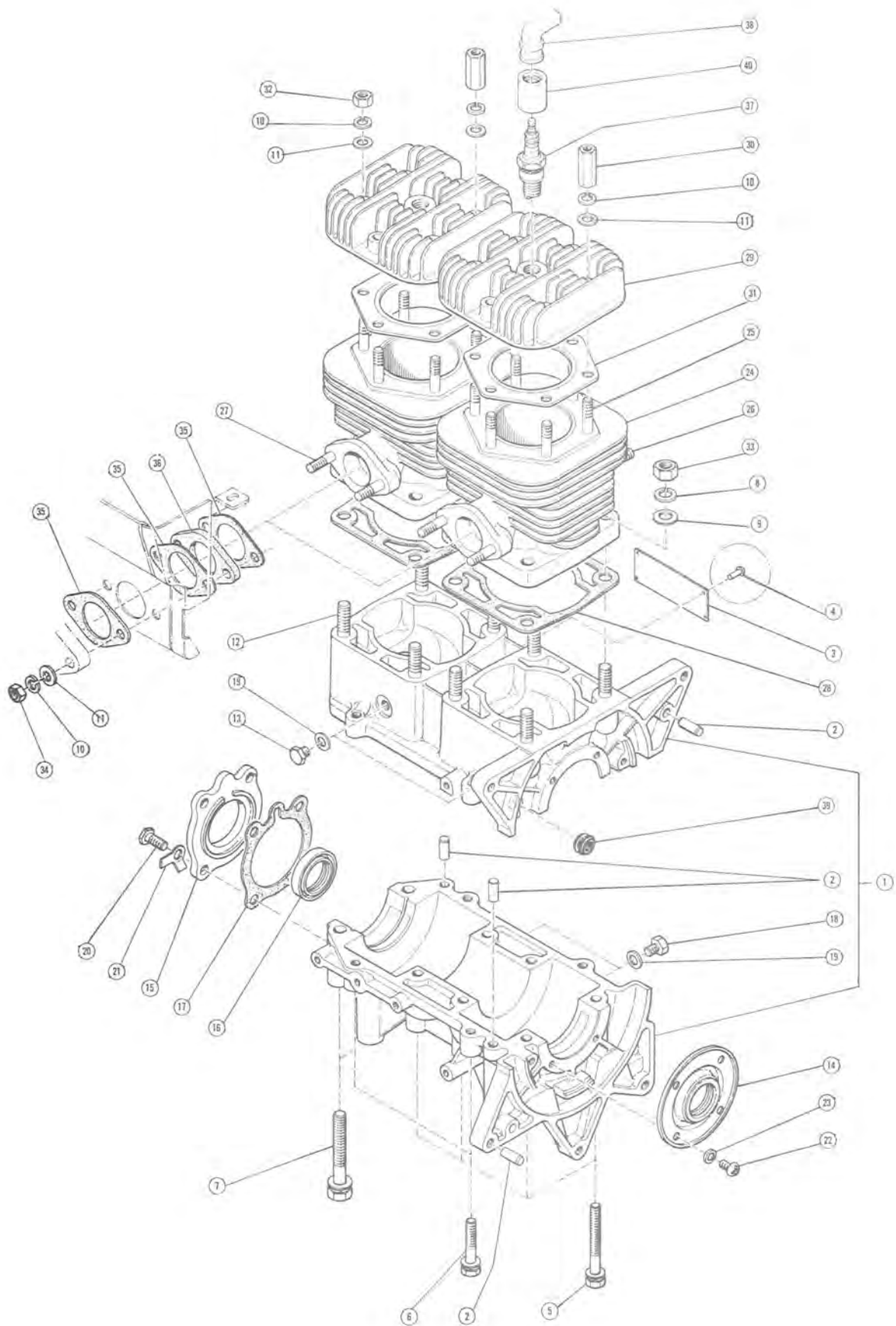
* INDICATES PARTS WHICH ARE INTERCHANGEABLE ON ALL ENGINES



CRANKCASE & CYLINDER – STANDARD TYPE

[illegible]

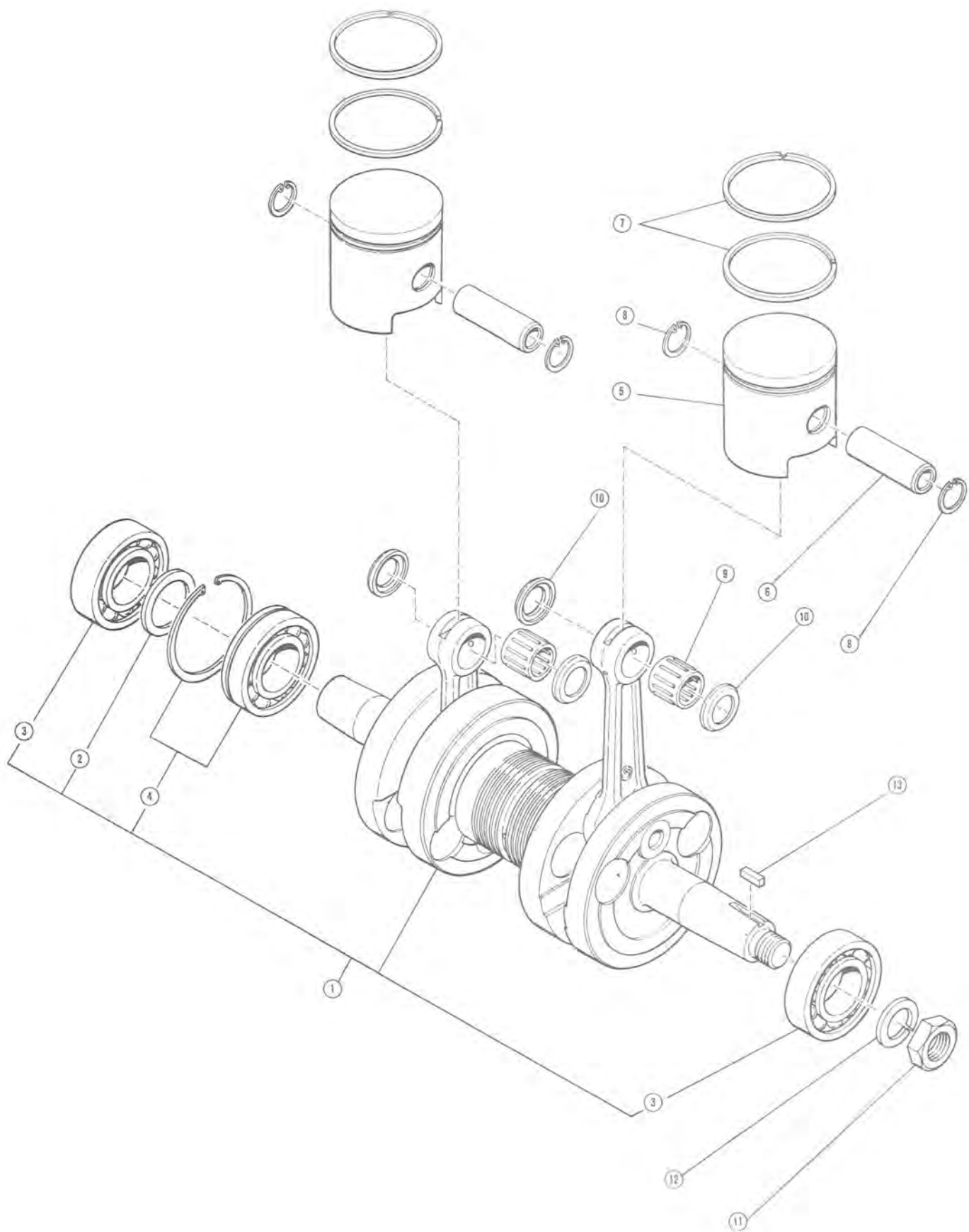
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED



CRANKSHAFT & PISTON – STANDARD TYPE & FREE AIR

[illegible]

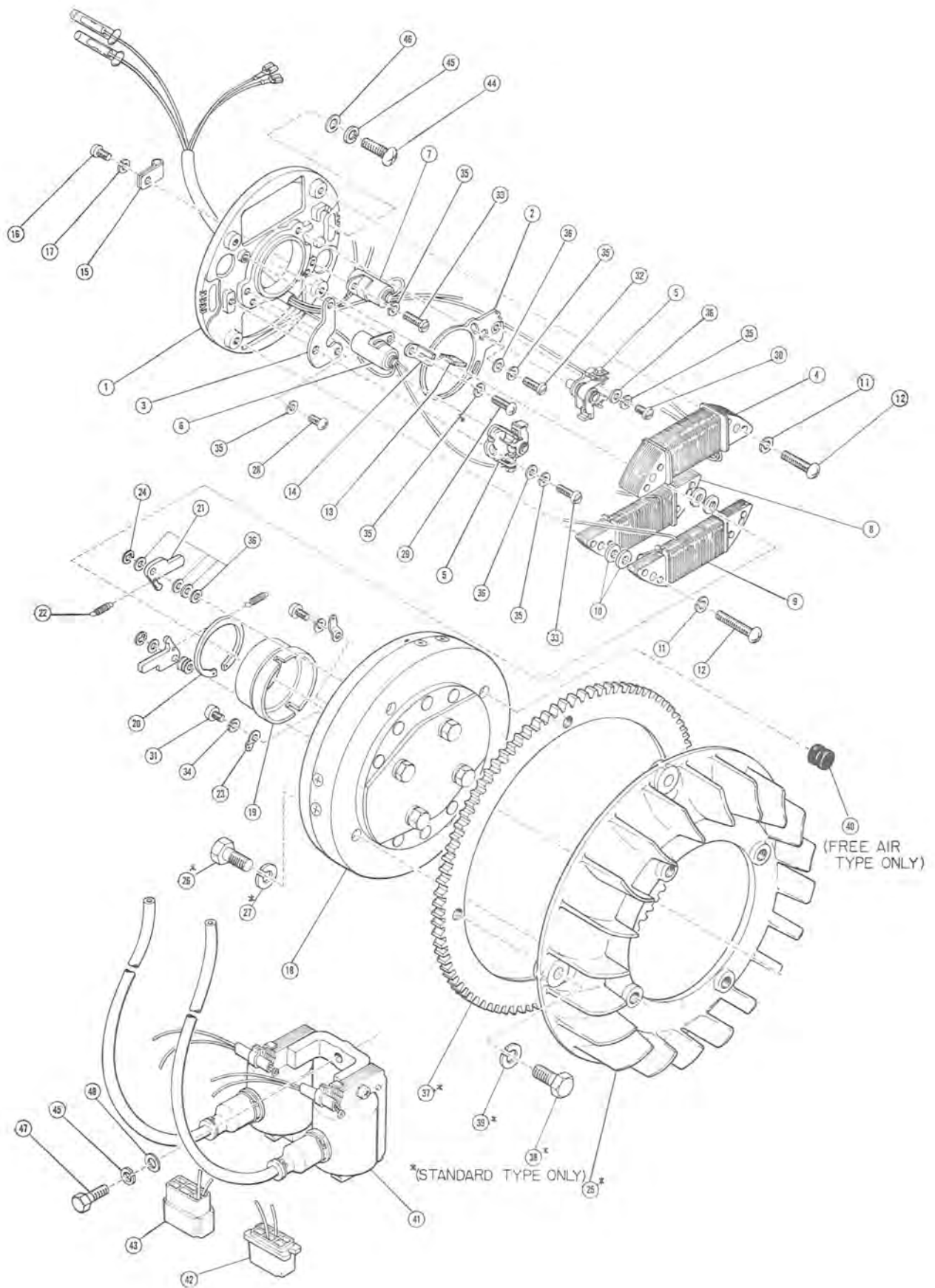
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED



MAGNETO & IGNITION COIL – FREE AIR

[illegible]

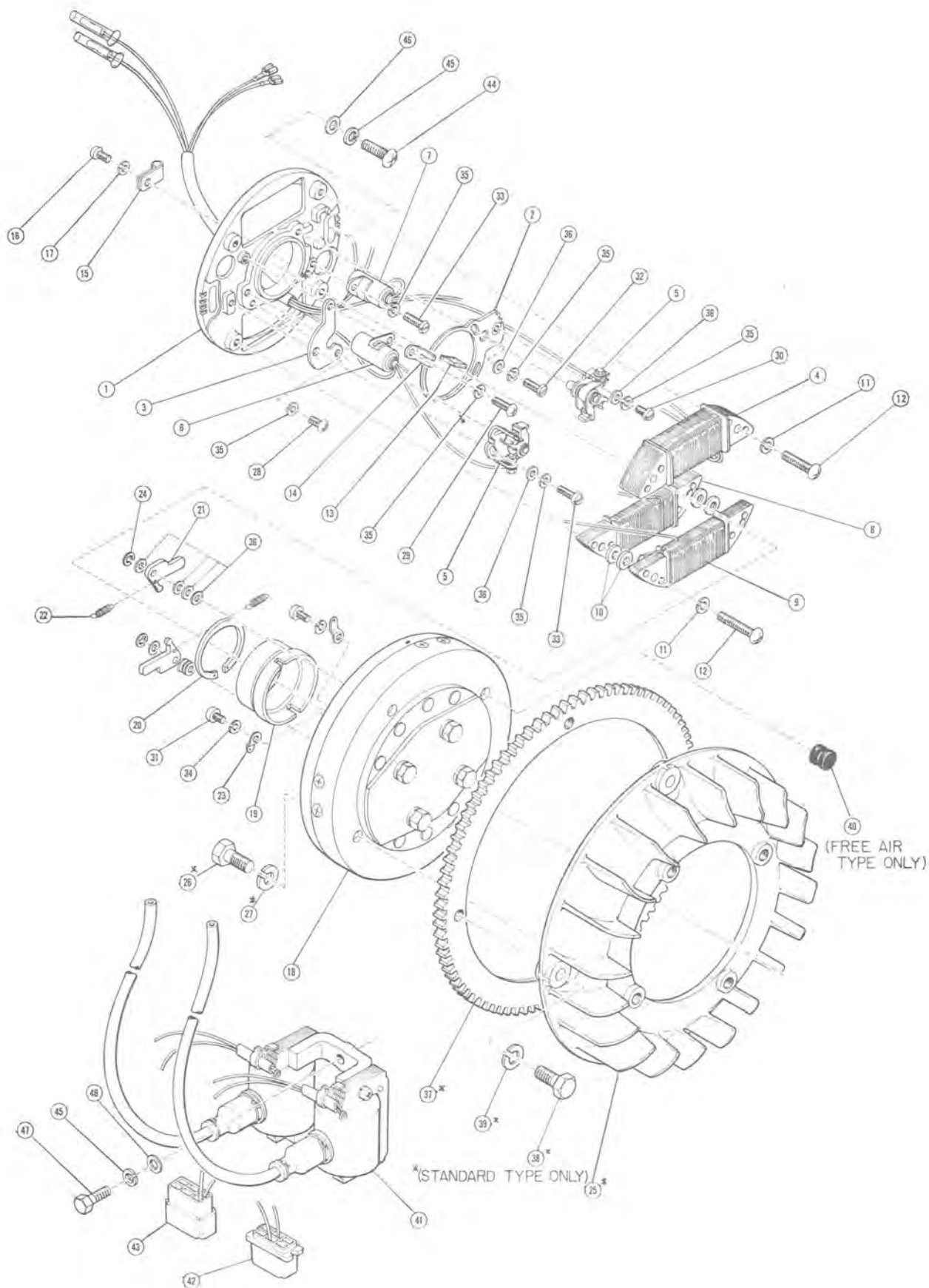
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED



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○

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FUEL PUMP – STANDARD & FREE AIR

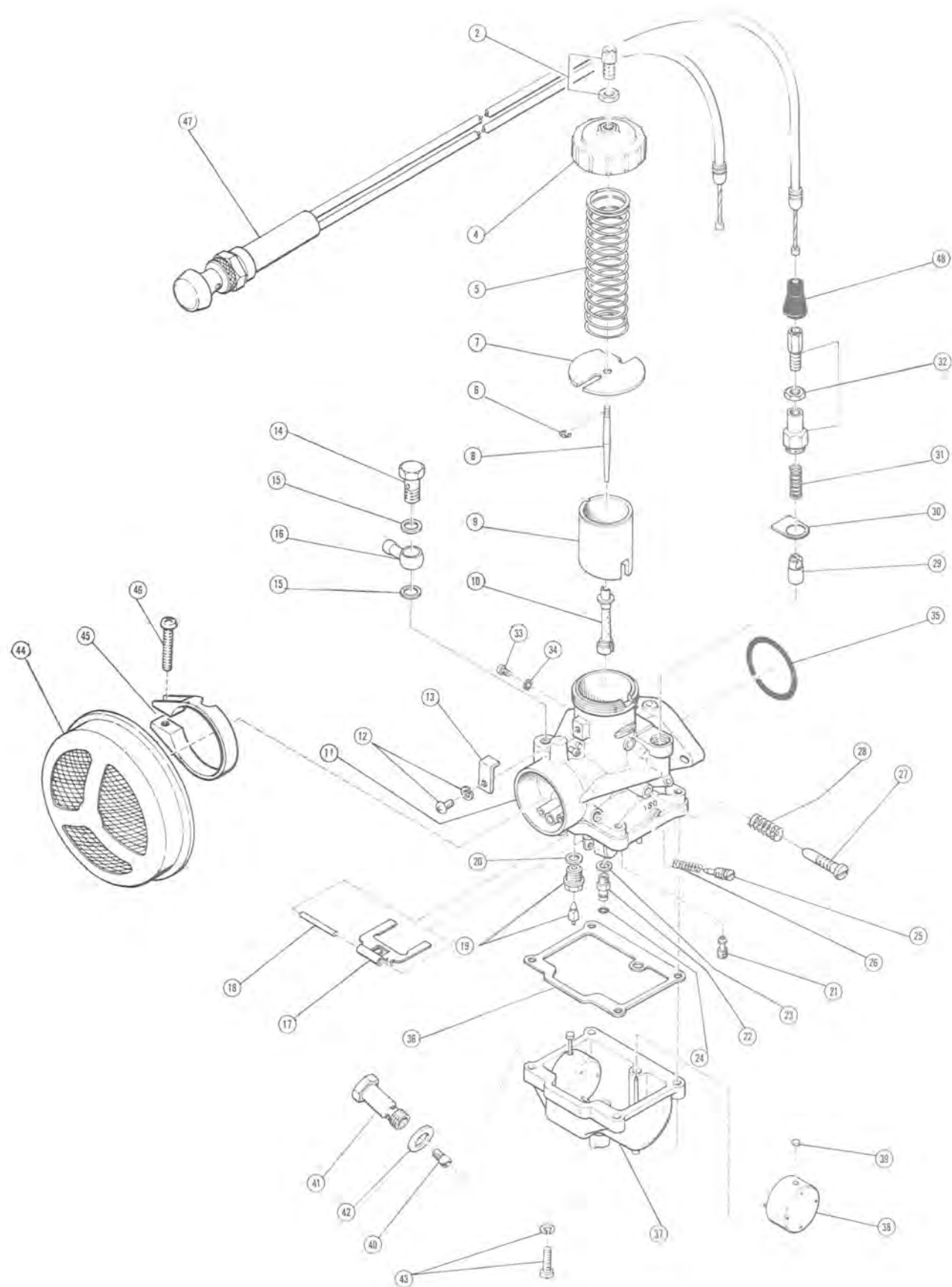
[illegible]

* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED.

CARBURETOR & AIR CLEANER – STANDARD TYPE & FREE AIR

ITEM NO.	PART DESCRIPTION	PART NUMBER					QTY.
		294cc	335cc	398cc	432cc	488cc	
	CARBURETOR ASM. — INCL. 1 - 41	3080805	3080806	3080807	3080808	3080809	1
2	CABLE ADJUSTER ASSM.	3080810*					1
4	MIXING CHAMBER TOP	3080512*					1
5	SPRING	3080811*					1
6	"E" RING	3080546*					1
7	PLATE	3080513*					1
8	JET NEEDLE	3080812*					1
9	THROTTLE VALVE	3080813*					1
10	NEEDLE JET	3080814	3080814	3080815	3080815	3080815	1
11	MIXING CHAMBER BODY ASSM.						1
12	SCREW & WASHER	3080160*					1
13	PLATE	3080816*					1
14	BANJO BOLT	3080178*					1
15	WASHER	3080177*					2
16	BANJO CONNECTOR	3080176*					1
17	FLOAT ARM	3080817*					1
18	FLOAT PIN	3080363*					1
19	NEEDLE VALVE	3080523*					1
20	PACKING	3080524*					1
21	PILOT JET	3080174*					1
22	NEEDLE JET SETTER	3080818*					1
23	WASHER	3080172*					1
24	3.7 "O" RING	3080819*					1
25	AIR SCREW	3080537*					1
26	SPRING THROTTLE STOP SCREW	3080820*					1
27	THROTTLE STOP SCREW	3080168	3080168	3080538	3080538	3080538	1
28	SPRING THROTTLE ADJUSTER	3080169*					1
29	STARTER PLUNGER ASSY.	3080540*					1
30	WASHER	3080542*					1
31	SPRING — PLUNGER	3080821*					1
32	PLUNGER CAP ASSY.	3080822*					1
33	SCREW	3080597*					1
34	SPRING WASHER	3080823*					1
35	"O" RING	3080824*					1
36	PACKING — FLOAT CHAMBER	3080536*					1
37	FLOAT CHAMBER BODY	3080856*					1
38	FLOAT ASSY.	3080534*					2
39	CAP	3080535*					2
40	MAIN JET NO. 100	3080862					1
	MAIN JET NO. 105	3080863					1
	MAIN JET NO. 110	3080864					1
	MAIN JET NO. 115	3080865					1
	MAIN JET NO. 120	3080866					1
	MAIN JET NO. 125	3080867					1
	MAIN JET NO. 130	3080868					1
41	BANJO BOLT	3080826*					1
42	WASHER	3080827*					1
43	SCREW & WASHER	3080380*					4
44	AIR CLEANER	3080828*					1
45	BAND	3080829*					1
46	SCREW	3080359*					1
47	CHOKE WIRE COMPLETE	3080830*					1
48	CAP	3080515*					1

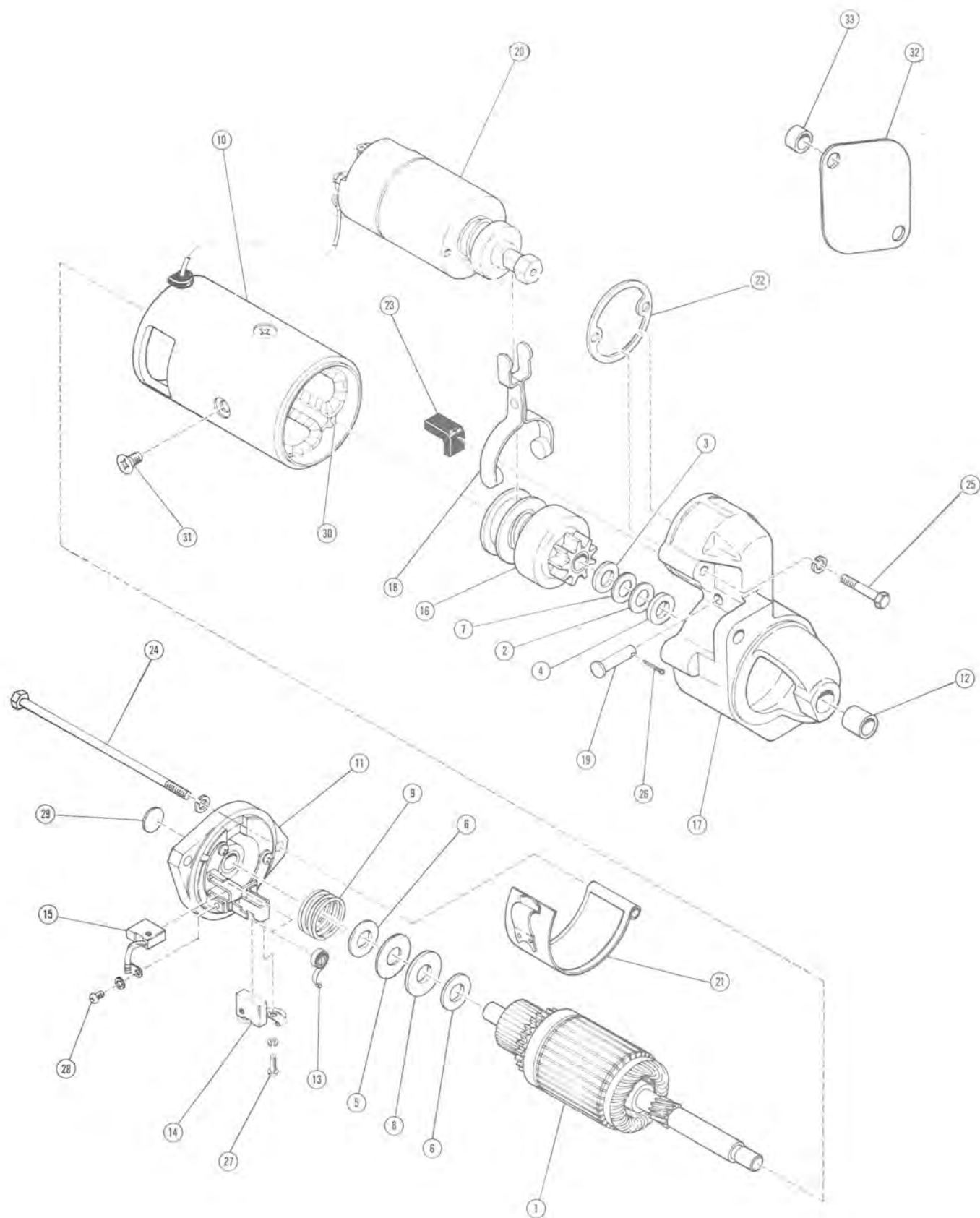
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED



STARTER MOTOR – STANDARD ENGINE

[illegible]

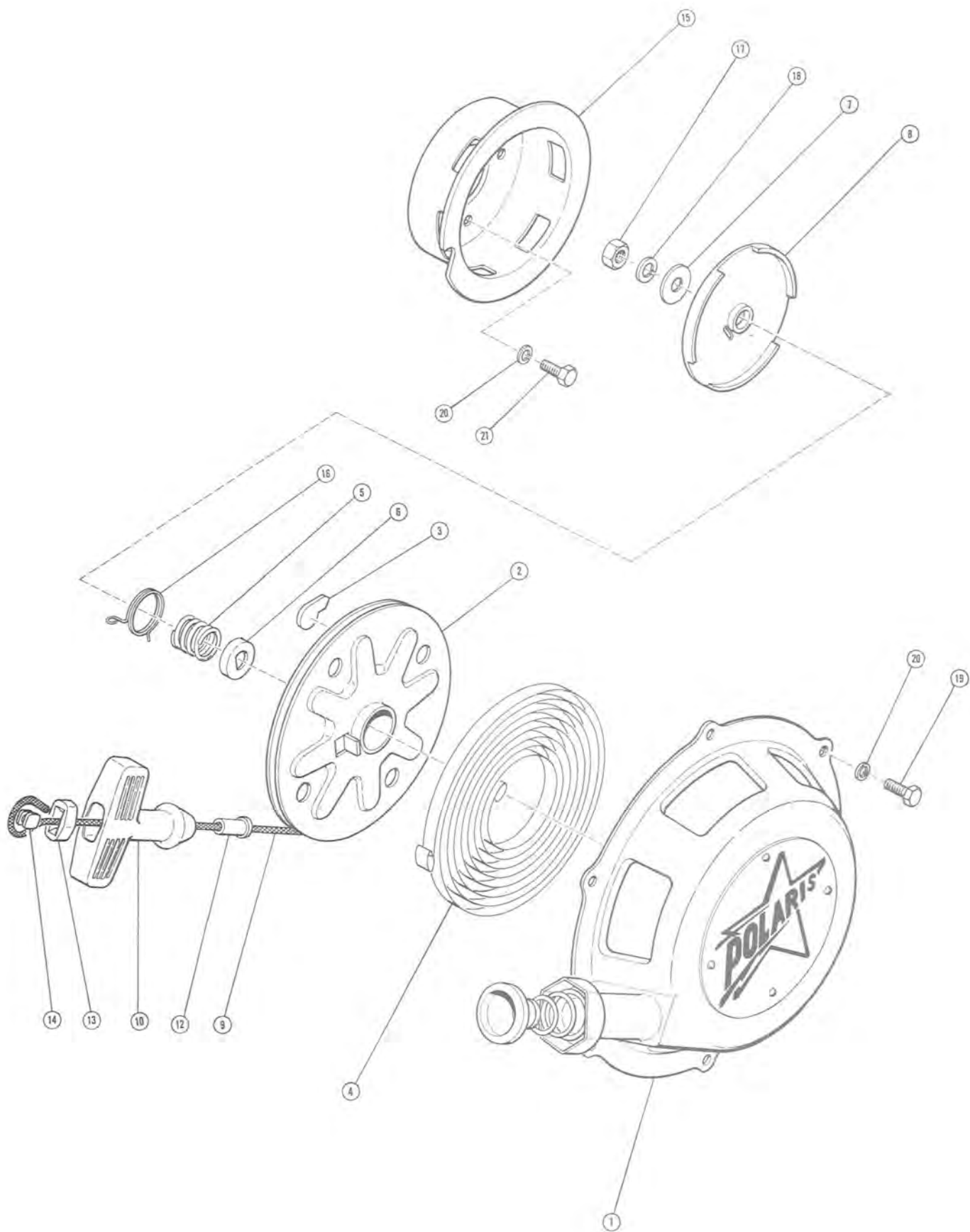
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED.



RECOIL STARTER – FREE AIR TYPE

[illegible]

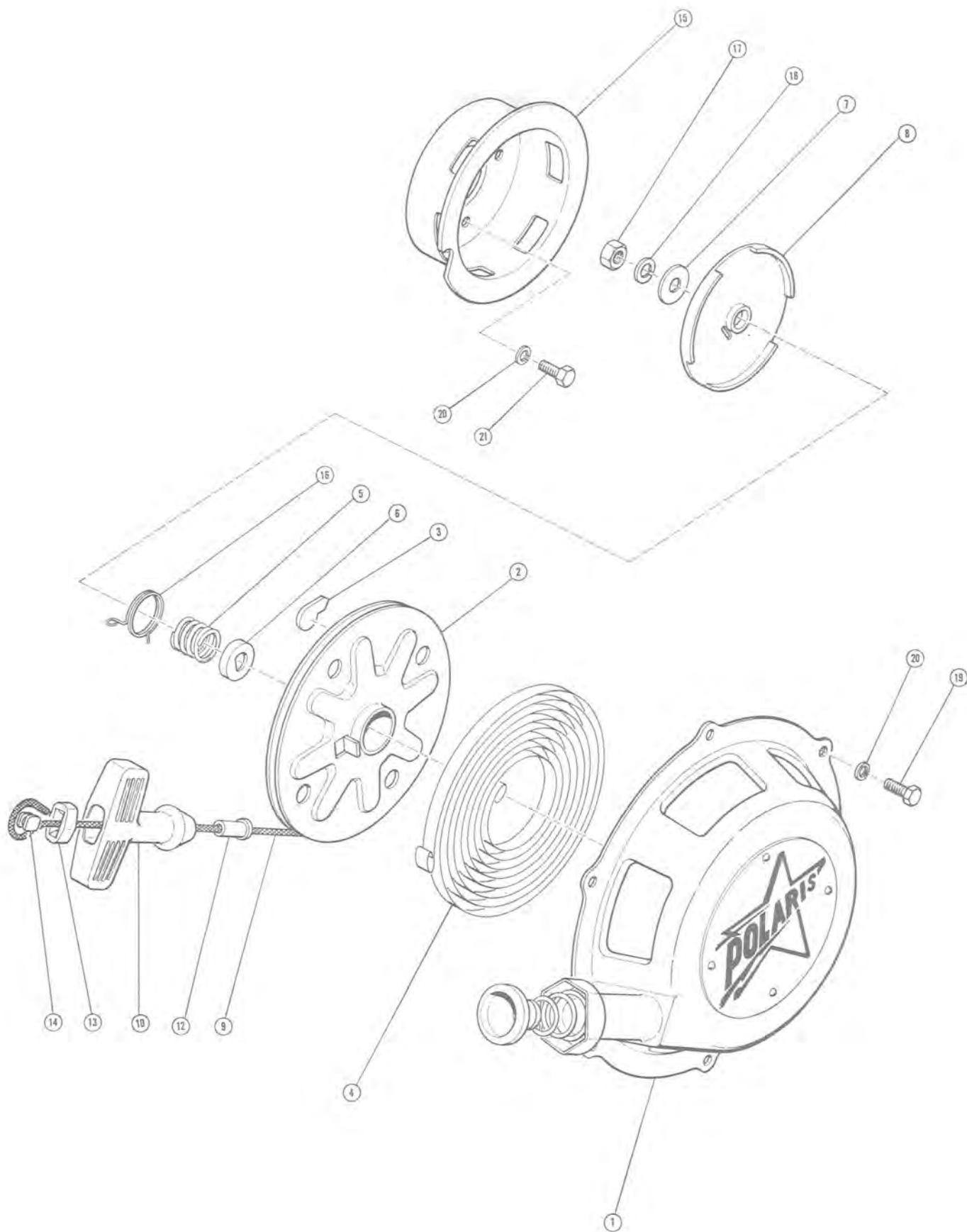
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED.



RECOIL STARTER – STANDARD TYPE

[illegible]

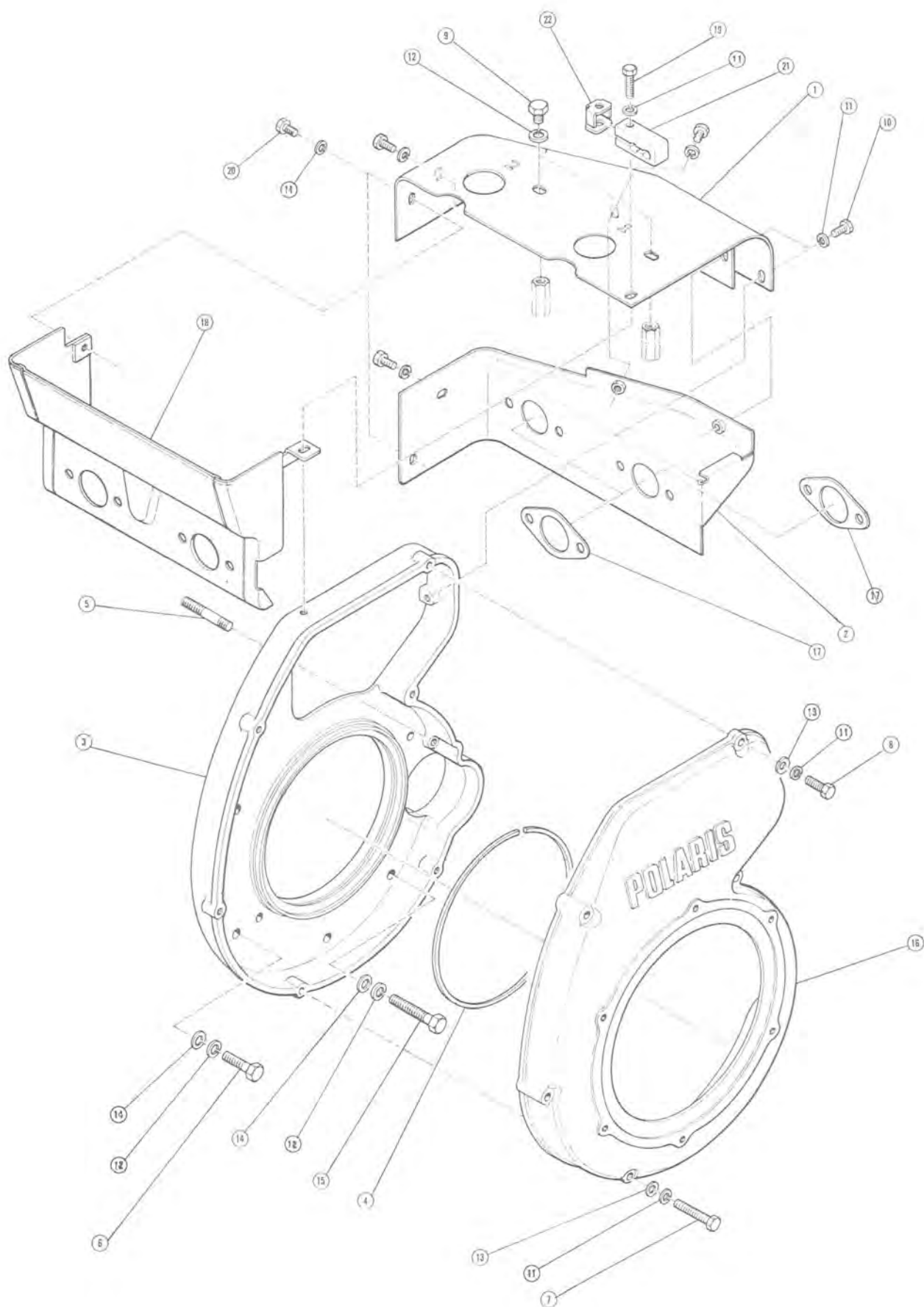
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED.



BLOWER HOUSING – STANDARD TYPE

[illegible]

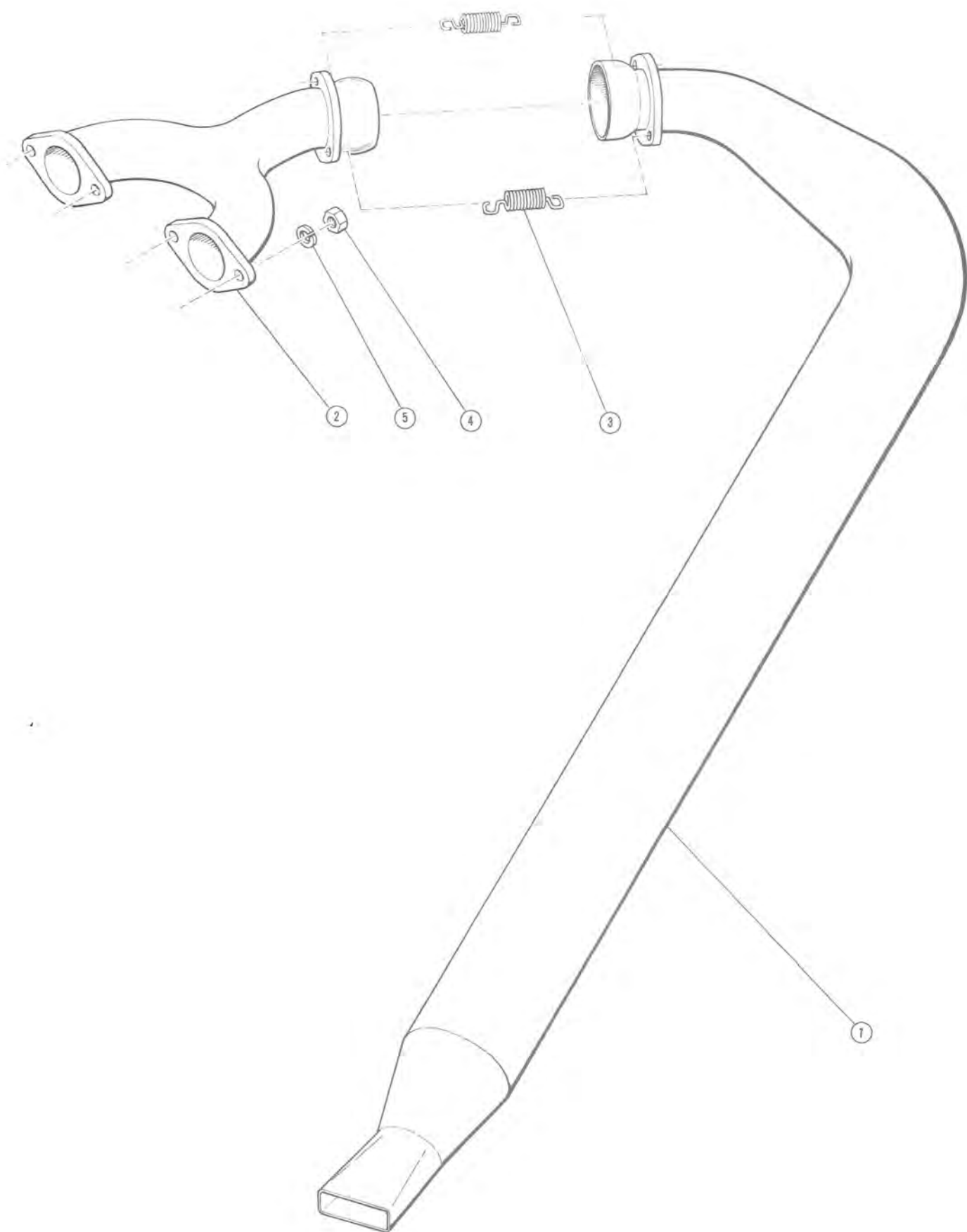
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED



MUFFLER STANDARD & FREE AIR

[illegible]

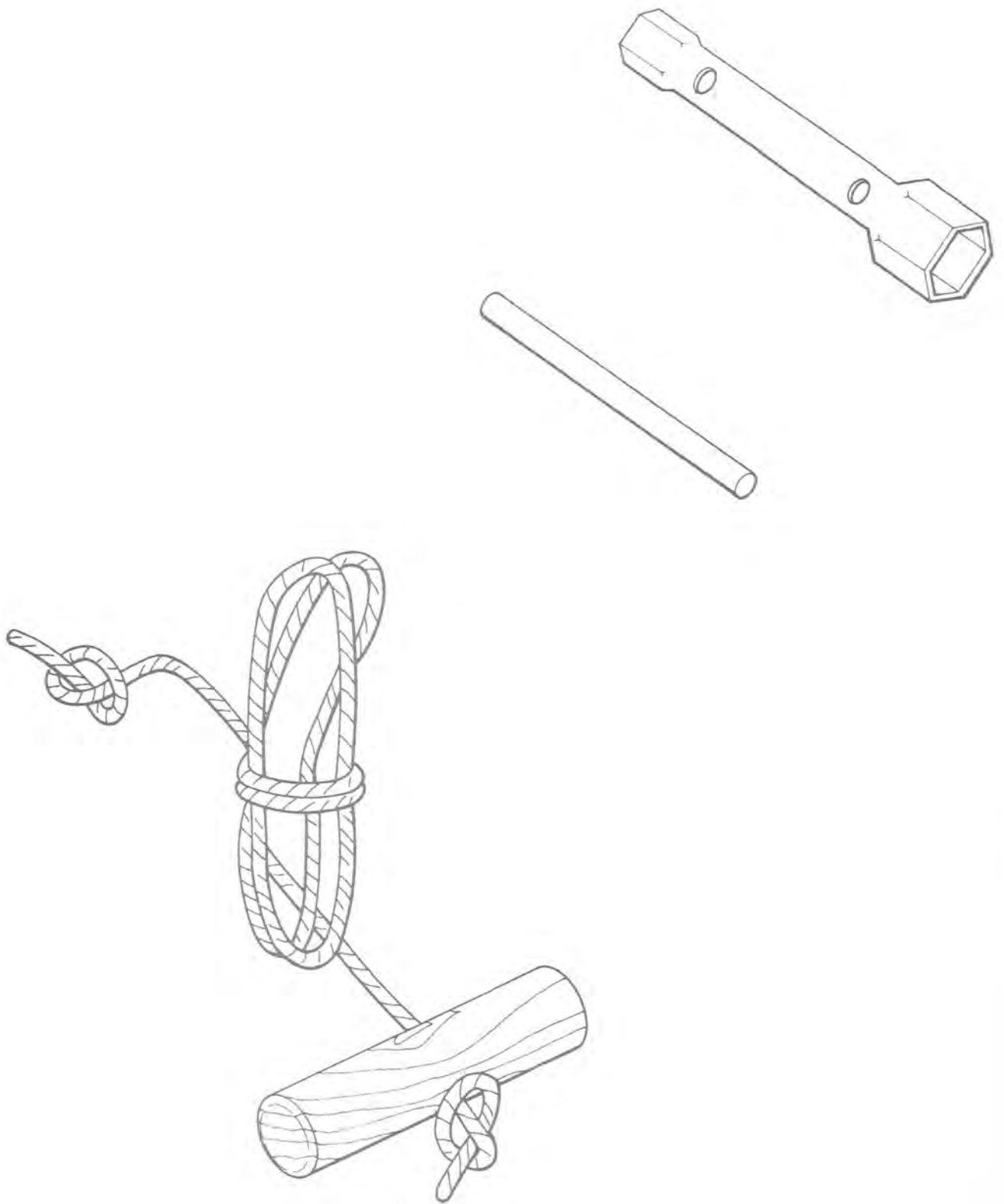
* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED



ACCESSORY & TOOLS

[illegible]

* REFERS TO PARTS WHICH ARE INTERCHANGEABLE IN ALL ENGINES LISTED ABOVE.





11



11

