1972 Polaris®

RACING PARTS BOOK

Part No. 9910161

Printed in U.S.A.

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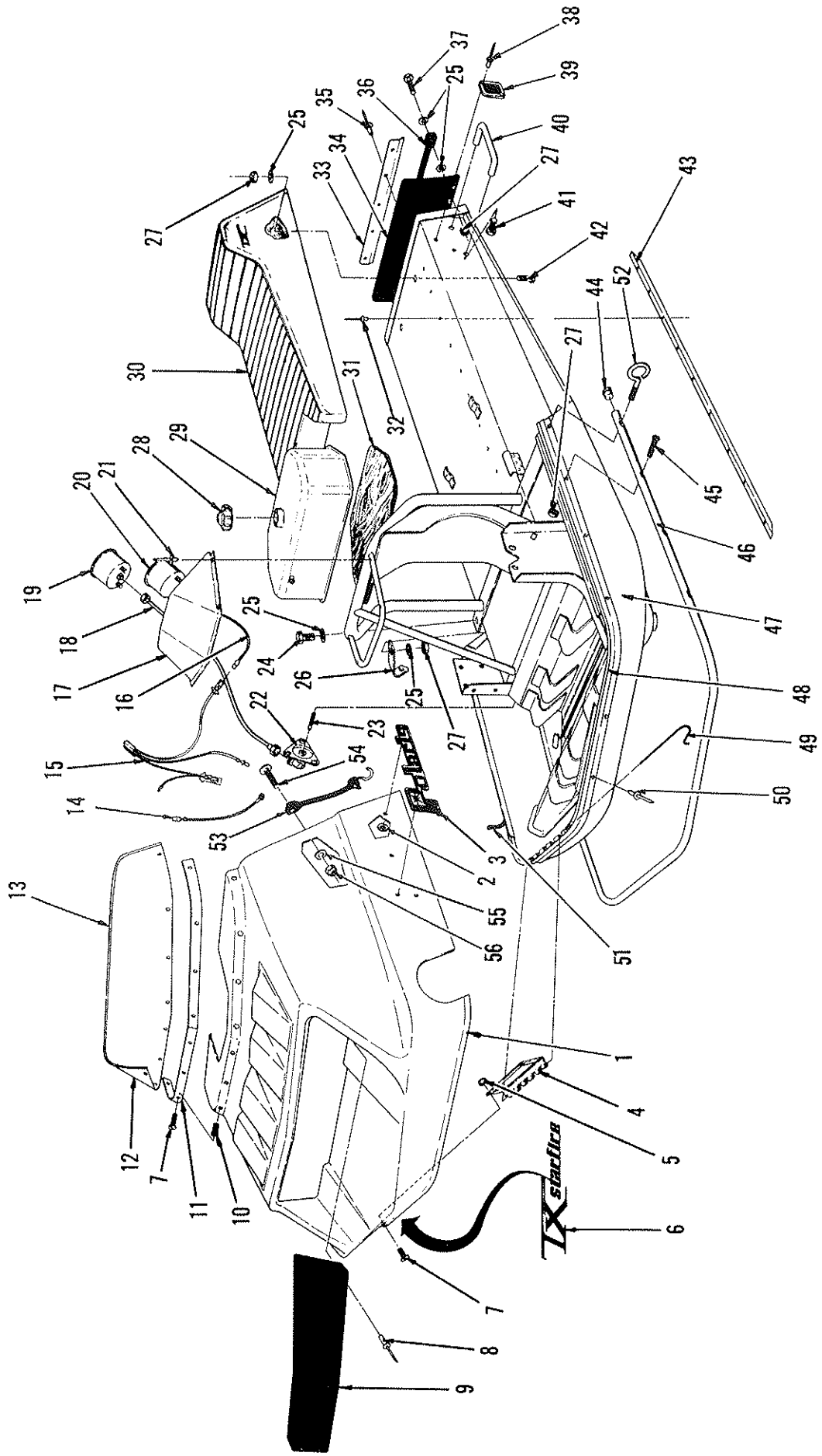
BODY & TRIM GROUP

ITEM NO.	PART NO.	PART DESCRIPTION
1	5440101	Hood – 650 & 795
	5440102	Hood – 294, 335, & 439
2	7670009	Push-On Nut
3	5430180	Nameplate
4	5210585	Hood Hinge
5	7541911	Flex-Loc Nut
6	7071263	Hood Decal
7	7511904	Machine Screw
8	7621319	Black Pop Rivet
9	5430225	Grill
10	7541901	Well Nut
11	5223680	Windshield Attaching Band
12	5850028	Windshield
13	5521043	Windshield Trim
14	2460141	Ground Wire
15	2460139	Main Harness
16	2460140	Tach Lead Wire – 294, 335
17	5430223	Instrument Console
18	3280005	Speedometer Cable
19	2870156	Speedometer
20	2870213	Tachometer – 439, 650, 795
	2870155	Tachometer – 294, 335
21	7621301	Pop Rivet
22	3280012	Speedometer Angle Drive –
		All Except 439 & 650 Cleated Track
	3280010	Speedometer Angle Drive –
		439 & 650 Cleated Track Only
23	3280003	Speedometer Insert Extension
24	7512111	Cap Screw
25	7558301	Flat Washer
26	5223678	Strap
27	7542114	Flex Loc Nut
28	2511069	Gas Cap
29	2511096	Gas Tank
30	2681083	Seat Cushion
31	5332272	Gas Tank Pad
32	7621402	Pop Rivet
33	5223229	Backing Plate
34	5420106	Mud Flap
35	7621401	Pop Rivet
36	5420006	Tarp Strap
37	7512126	Cap Screw
38	7621320	Red Pop Rivet
39	5430206	Side Marker
40	2670029	Rear Handle
41	7512381	Machine Screw
42	7512163	Cap Screw
43	5510024	Tunnel Strip
44	5430222	Bumper Plug
45	7512107	Machine Screw
46	2670030	Bumper
47	1011270	Main Body Weldment –
		294, 335, 439 Cleated Track
	1011271	Main Body Weldment –
		294, 335, 439 Rubber Track
	1011272	Main Body Weldment –
		650 Cleated Track
	1011273	Main Body Weldment –
		650, 795 Rubber Track
48	5510035	Nose Pan Extrusion
49	5224135	Hinge Pin
50	7621425	Pop Rivet
51	5420005	Sponge Rope
52	5332327	Tuned Pipe Bracket
53	5420108	Tarp Strap w/Hook
54	7511937	Machine Screw
55	7558201	Flat Washer
56	7541906	Flex-Loc Nut

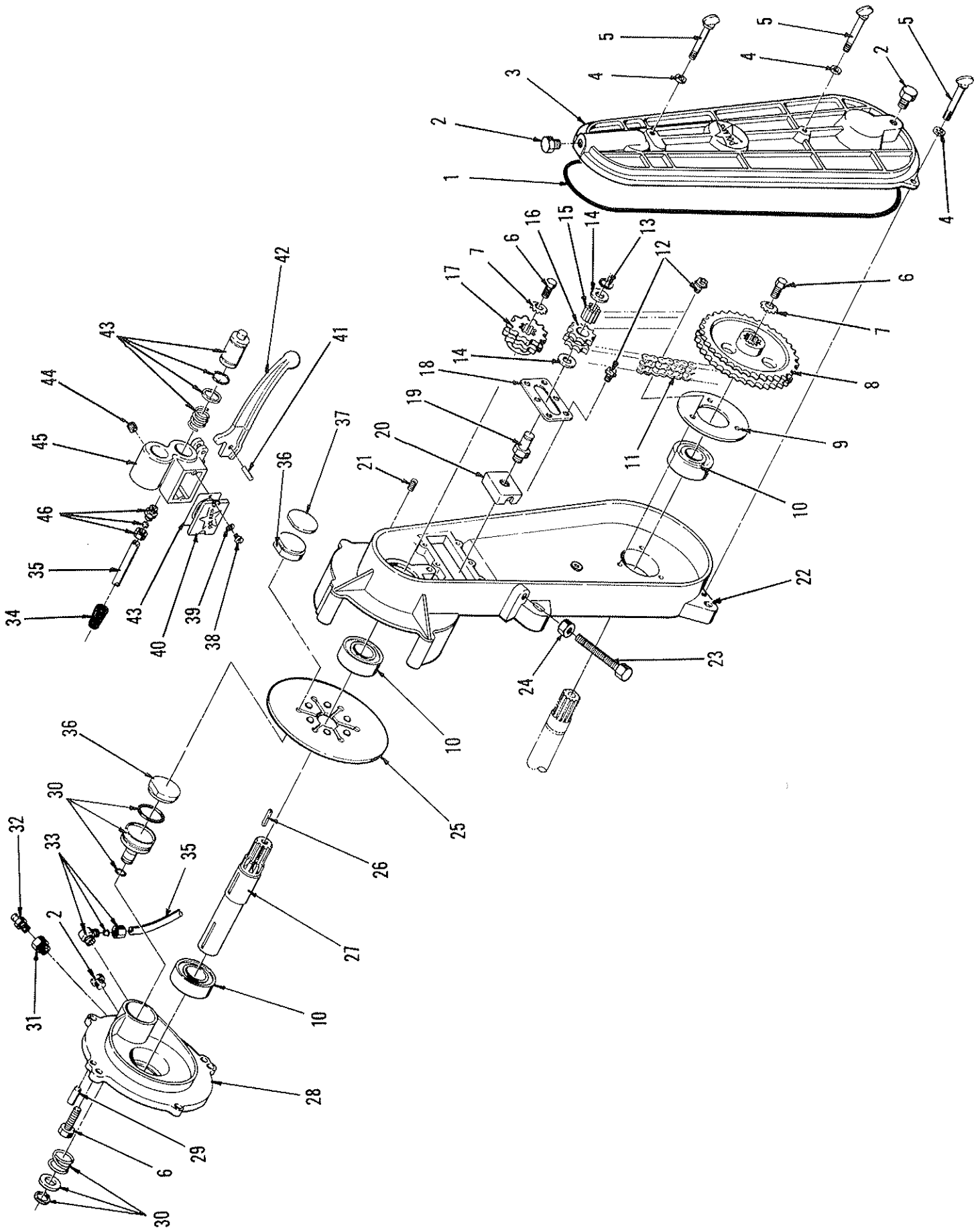
BODY & TRIM GROUP



CHAINCASE ASSEMBLY

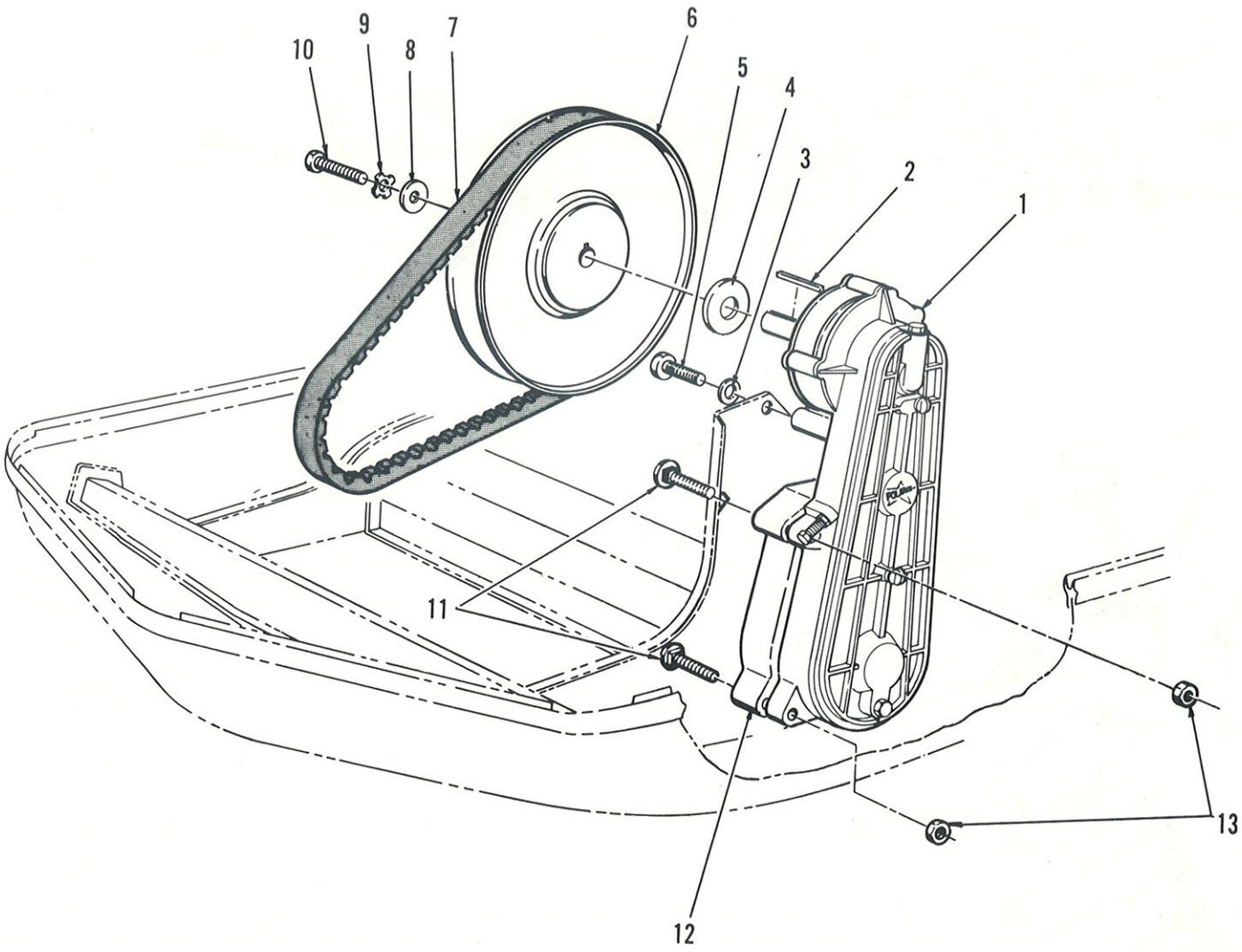
ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	5410177	Gasket	21	7512178	Set Screw
2	7051507	Pipe Plug	22	5630038	Chaincase
3	5630057	Chaincase Cover	23	7512342	Adjusting Bolt
4	5850024	Cover Bolt Gasket	24	7542301	Hex Nut
5	7512171	Wing Screw	25	1332043	Brake Disc Assembly
6	7512325	Cap Screw	26	7721202	Square Key
7	7577908	Shakeproof Washer	27	5020203	Input Shaft
8	3222007	39 Tooth Sprocket	28	5630039	Chaincase Rear Cover
	3222010	41 Tooth Sprocket	29	7661806	Dowel Pin
9	5210121	Bearing Retaining Plate	30	2200003	Cylinder Kit
10	3514303	Ball Bearing	31	5020222	Bleeder Adapter Fitting
11	3224005	90 Pitch Roller Chain – 294	32	5020214	Bleeder Fitting
	3224006	92 Pitch Roller Chain – 335, 439, 650	33	7052020	Male Elbow
	3224007	94 Pitch Roller Chain – 650, 795	34	5410183	Brake Line Sleeve
12	7511905	Sems Screw	35	5420099	Brake Line
13	7712801	Retaining Ring	36	2200005	Brake Puck Kit
14	7558702	Thrust Washer	37	5210532	Back Up Plate
15	3553002	Bearing	38	7511828	Machine Screw
16	3221011	11 T. Idler Sprocket	39	7571604	Lock Washer
17	3221008	15 Tooth Sprocket – 294	40	5630055	Reservoir Cover
	3221009	17 Tooth Sprocket – 335 & 439	41	7661610	Spring Pin
	3221010	19 Tooth Sprocket – 439, 650	42	5630041	Brake Lever
	3222008	21 Tooth Sprocket – 650	43	2200004	Master Cylinder Kit
	3222017	23 Tooth Sprocket – 795	44	7512308	Set Screw
18	5210602	Idler Slide Retaining Plate	45	5630040	Master Cylinder Housing
19	5020075	Idler Shaft	46	7052019	Male Connector
20	5610032	Idler Slide			

CHAINCASE ASSEMBLY



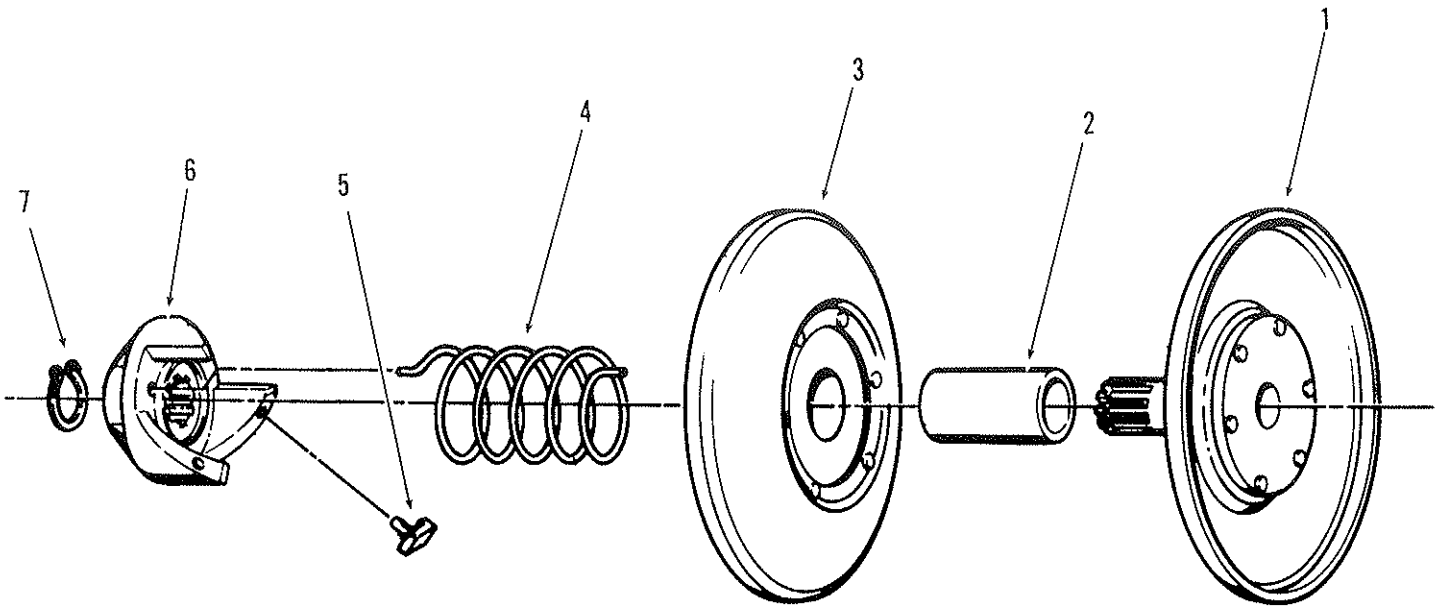
CHAINCASE MOUNTING

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1		Chaincase – See Chaincase Assembly	8	5221207	Clutch Cap
2	7721103	Square Key	9	7577908	Loc-Washer
3	7558402	Flat Washer	10	7512328	Cap Screw
4	7556401	Machinery Bushing	11	7512496	Carriage Bolt
5	7512325	Cap Screw	12	5630050	Chaincase Spacer
6	1322060	Driven Clutch	13	7542423	Uni-Torque Hex Nut
7	3211032	Drive Belt			



RAMP CLUTCH

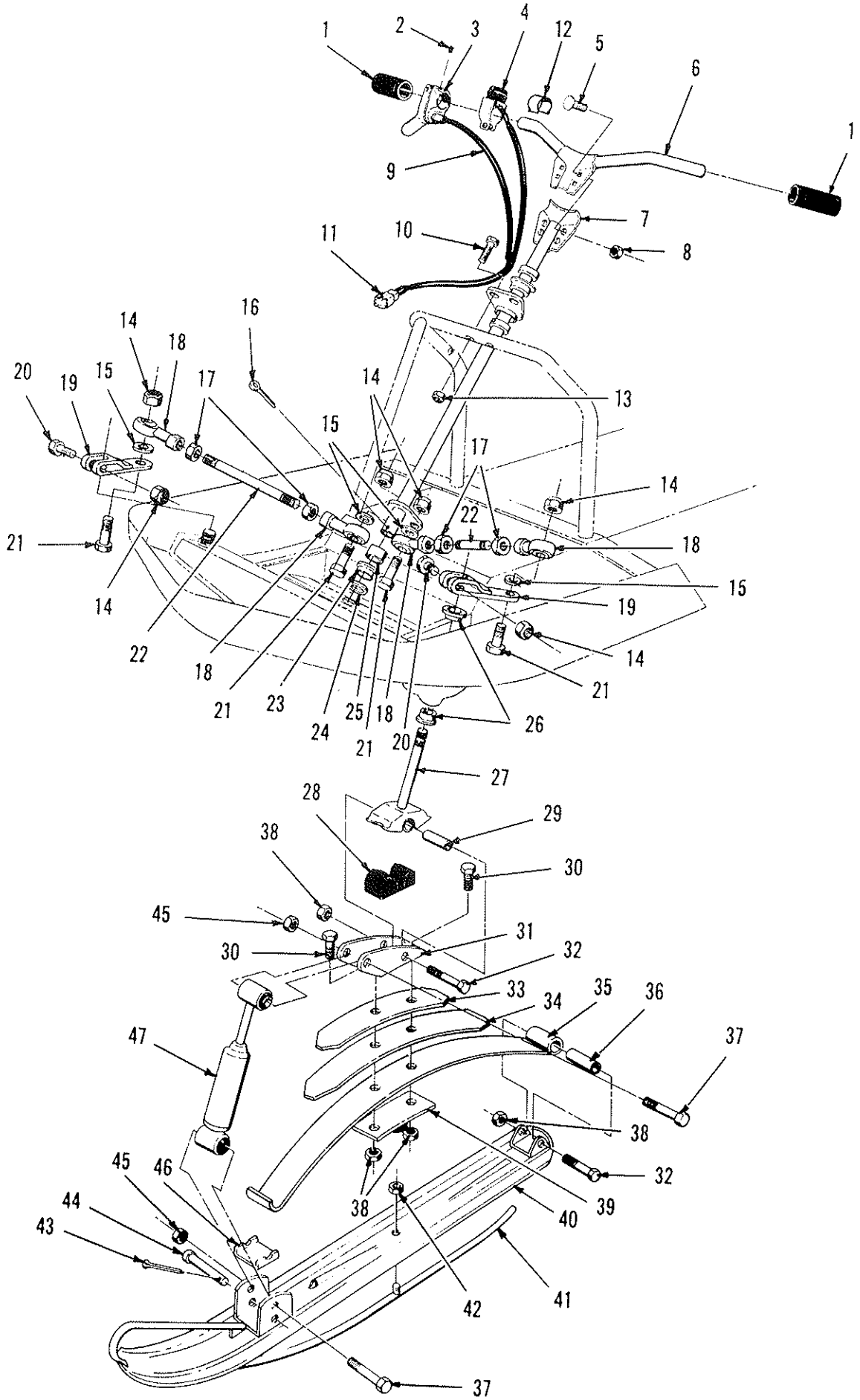
ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	1322060	Ramp Clutch Assembly	4	7041004	Spring
1	1322048	Stationary Face Assembly	5	5430069	Ramp Button
2	3565901	Oilite Bearing	6	1322055	Ramp Assembly (Incl. 5)
3	1322061	Moveable Face Assembly	7	7714802	Snap Ring



STEERING ASSEMBLY

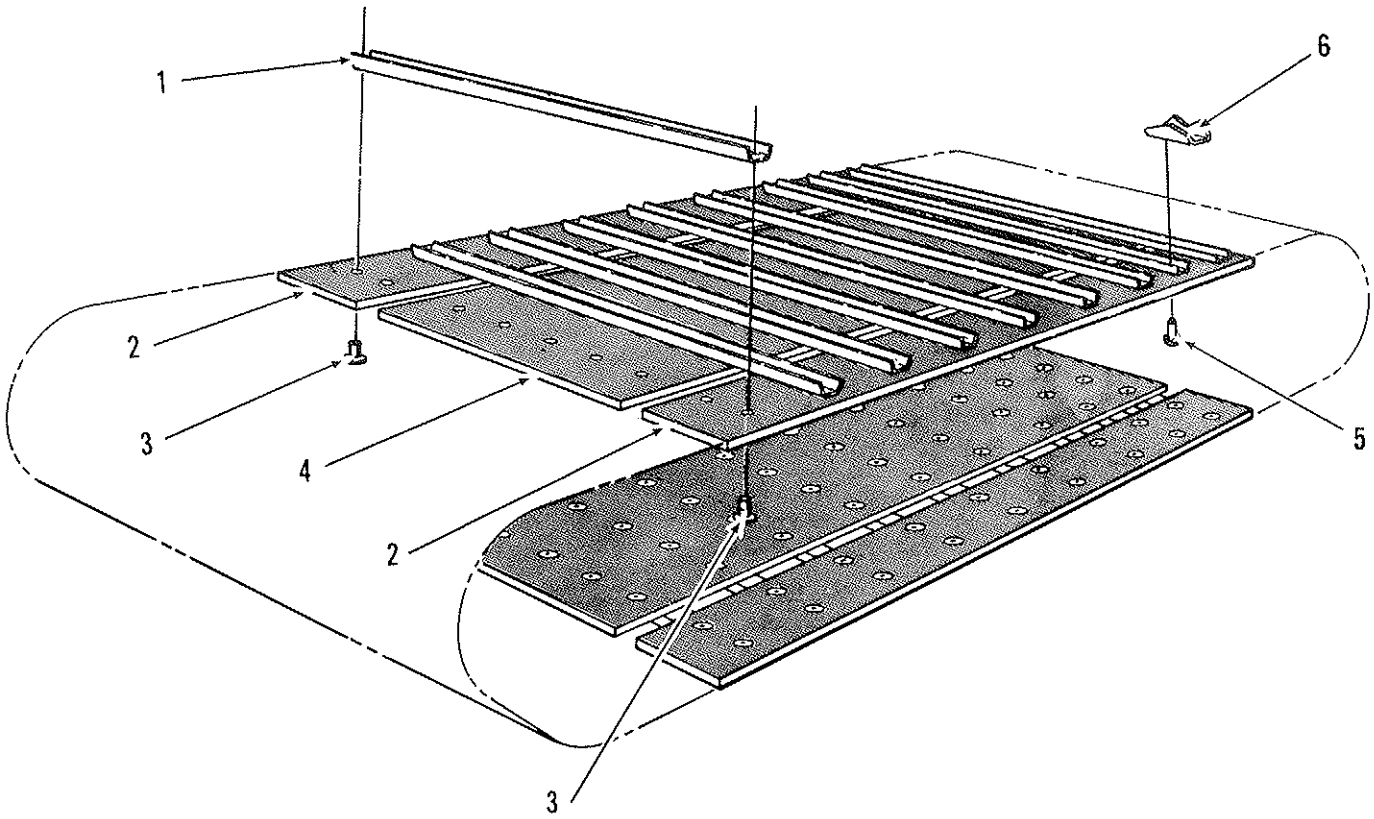
ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	5430001	Handle Bar Grip	24	7556401	Machinery Bushing
2	7512465	Set Screw (Included w/Item 3)	25	5332243	Steering Post Spacer
3	2010008	Throttle Control – All Except 650	26	3573902	Bushing Flange
	2010013	Throttle Control – 650 Only	27	1821010	Spindle
4	4110014	Kill Switch	28	5410055	Rubber Ski Stop
5	7512157	Carriage Bolt		1820159	Ski Assembly (Incl. Items 29 - 47)
6	1823056	Handle Bar	29	5010059	Bushing
7	1823062	Steering Post	30	7512405	Cap Screw
8	7542103	Flex-Loc Nut	31	5221550	Ski Saddle
9	7080062	Throttle Cable (All Except 650)	32	7512435	Cap Screw
	7080093	Throttle Cable (650 Only)	33	7043003	Support Spring
10	7512127	Cap Screw	34	7043002	Support Spring
11	4020077	Connector	35	7043010	Mainleaf Spring
12	7010016	Clamp	36	5010002	Bushing
13	7542103	Flex-Loc Nut	37	7512522	Cap Screw
14	7542411	Flex-Loc Nut	38	7542403	Flex-Loc Nut
15	7555807	Washer	39	1820142	Ski Spring Stop
16	7661501	Cotter Pin	40	1820156	Ski-Chromed
17	7542401	Hex Nut	41	1820132	Skag
18	7060101	Rod End Bearing	42	7542303	Flex-Loc Nut
19	5221437	Steering Arm	43	7661407	Cotter Pin
20	7512410	Cap Screw	44	7662001	Clevis Pin
21	7512405	Cap Screw	45	7542503	Flex-Loc Nut
22	5020195	Tie Rod	46	5430003	Wear Plate
23	3574202	Nylon Bushing	47	7041012	Shock

STEERING ASSEMBLY



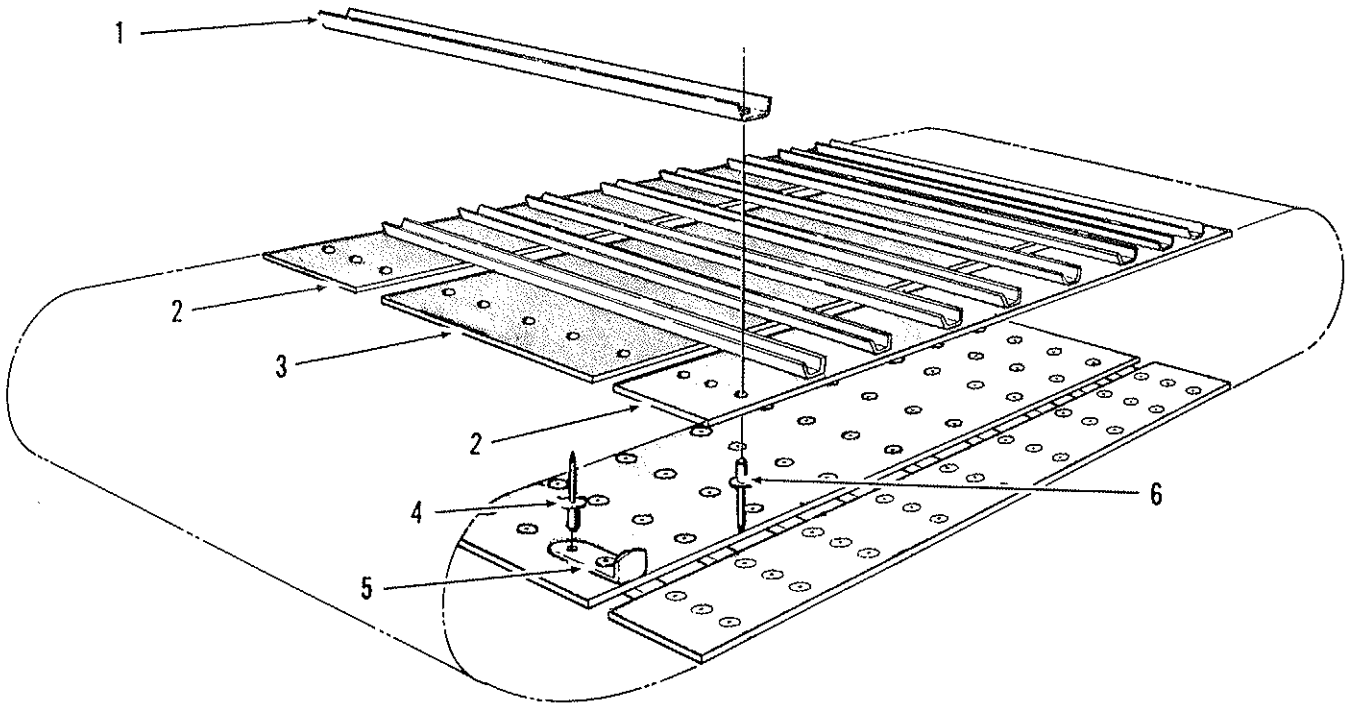
TRACK ASSEMBLY – CLEATED TRACK 439 & 650

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	1510124	Track Assembly	4	5410161	Inside Belt
1	5221425	Cleat	5	7621418	Pop Rivet
2	5410162	Outer Belt	6	5221548	Ice Growser
3	7621401	Pop Rivet			



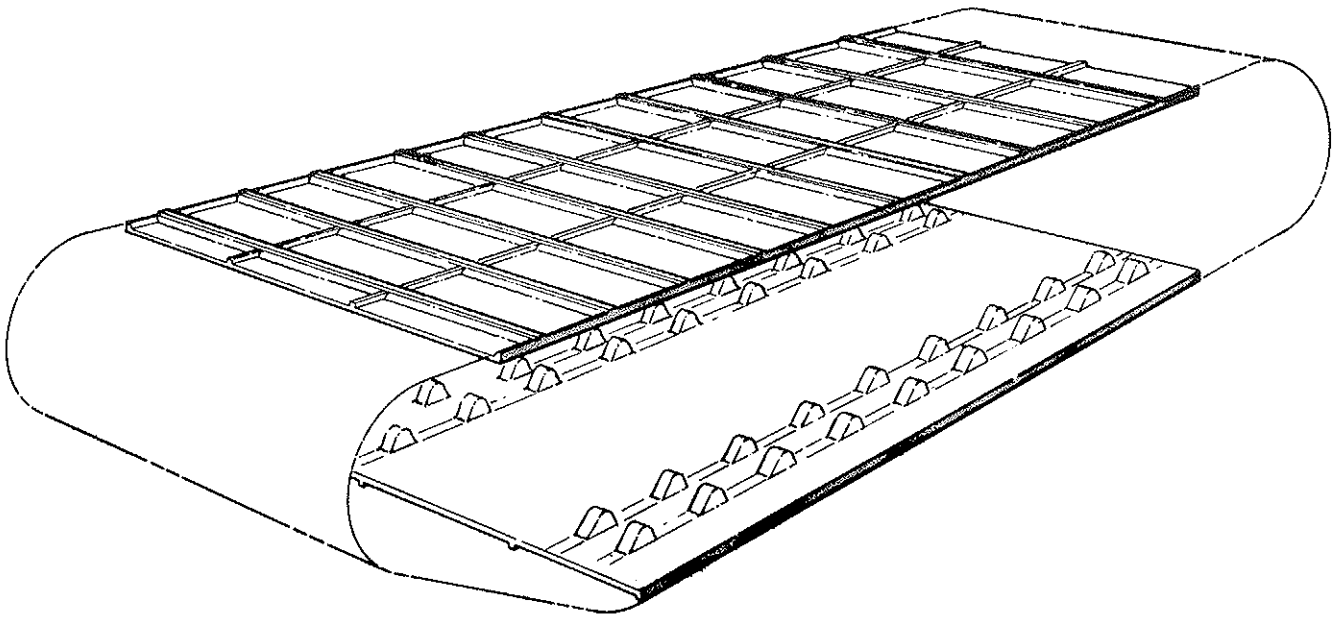
TRACK ASSEMBLY – CLEATED TRACK 294 & 335

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	1510118	Track Assembly Complete (Incl. 1 - 6)	4	7621419	Pop Rivet
1	5221425	Cleat	5	5221448	Guide
2	5410140	Outer Belt	6	7621401	Pop Rivet
3	5410141	Center Belt			



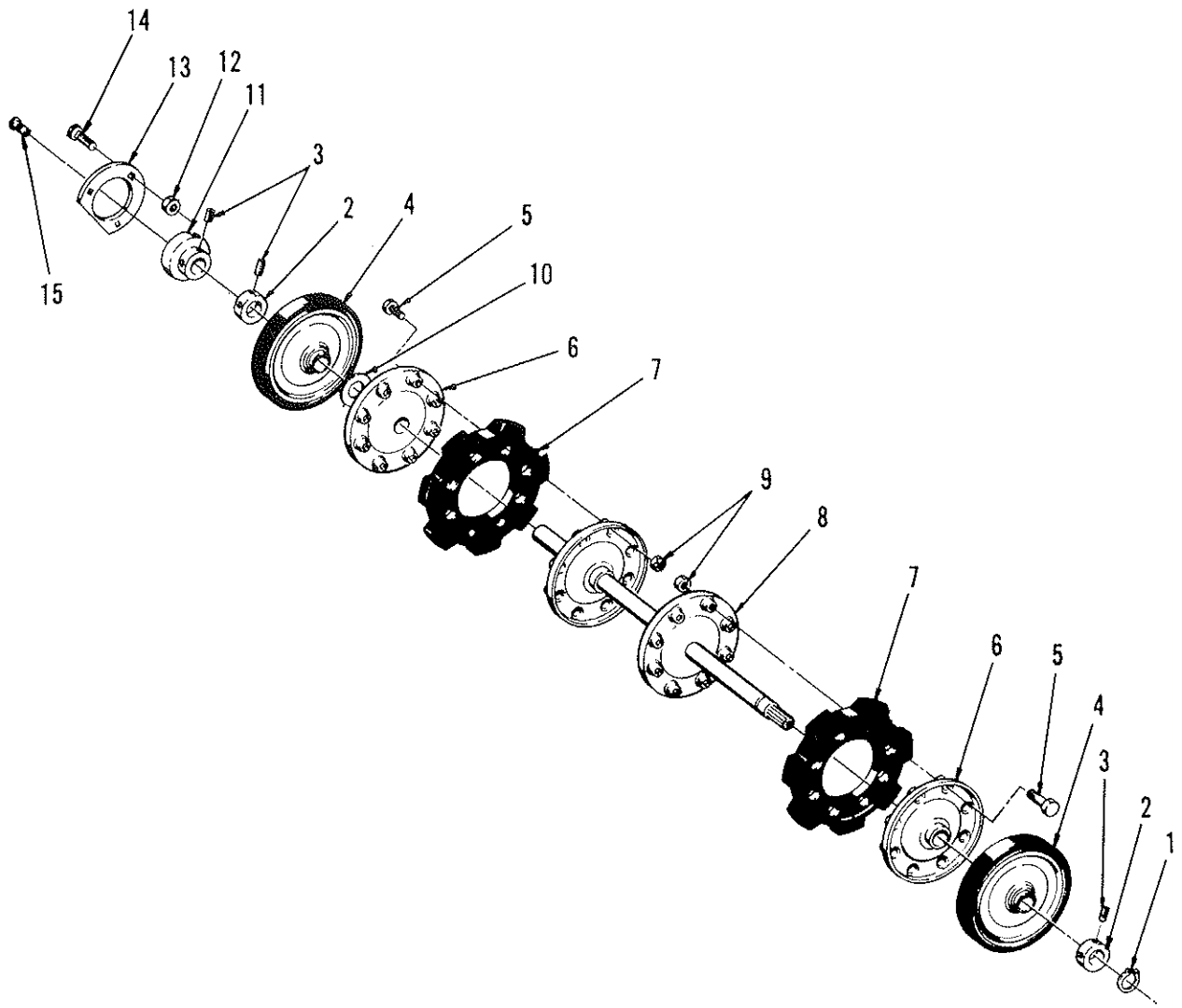
TRACK ASSEMBLY – RUBBER TRACK 294/335/439/650/795

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	5410186	Rubber Track			



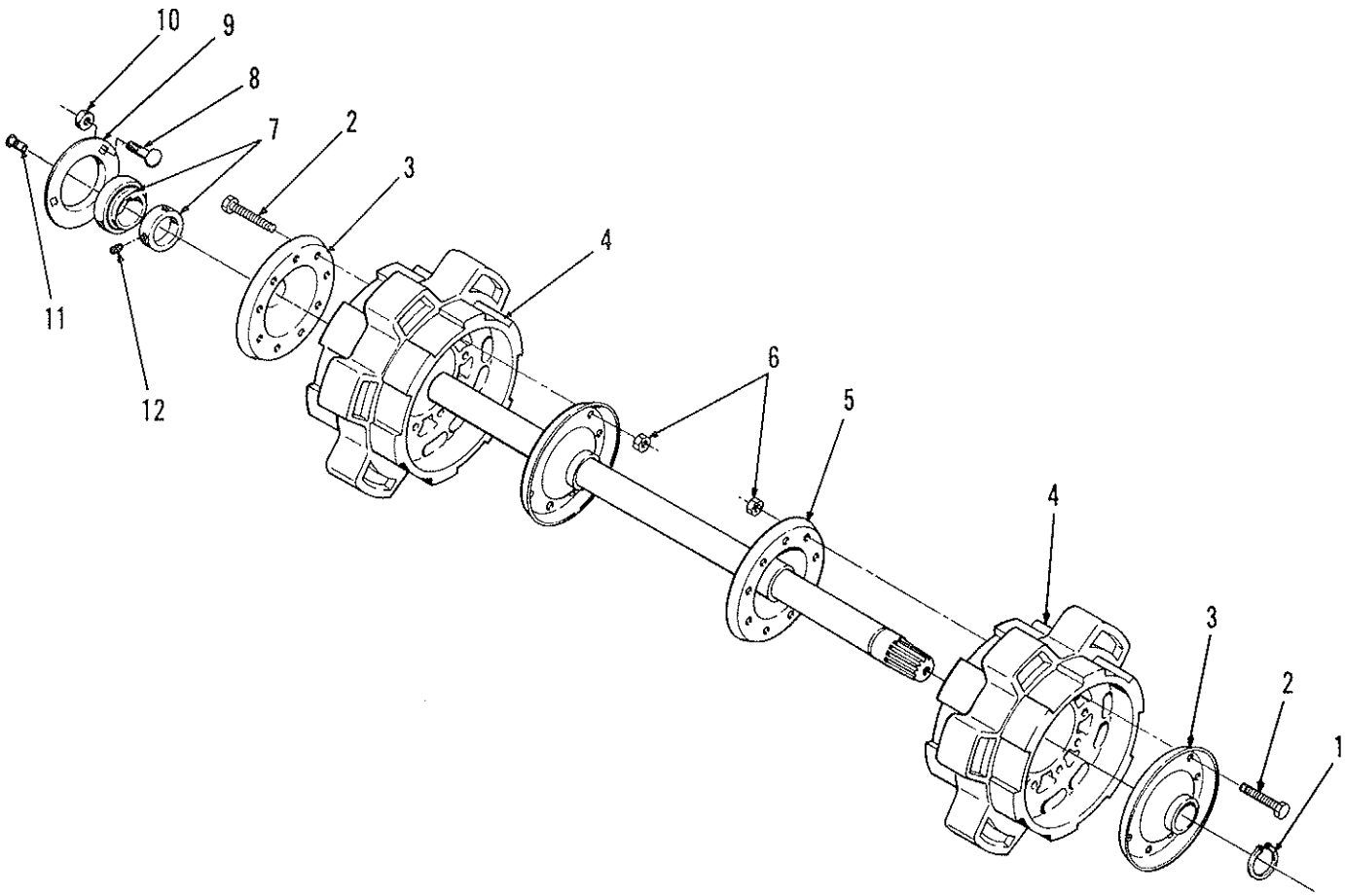
DRIVE SHAFT – CLEATED TRACK 439 & 650

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	7713901	Retainer Ring	9	7542103	Flex-Loc Nut
2	1590104	Lock Collar (Incl. Set Screw)	10	7556501	Machinery Bushing
3	7512308	Set Screw	11	3514501	Bearing w/Lock Collar
4	5430209	Idler Wheel	12	7542303	Flex-Loc Nut
5	7512102	Cap Screw	13	5221329	Flangette
6	5221044	Sprocket Flange	14	7512307	Cap Screw
7	5410085	7 Tooth Sprocket	15	3280002	Speedometer Bushing
8	1590162	Drive Shaft Weldment – 650 Only			
	1590158	Drive Shaft Weldment – 439 Only			



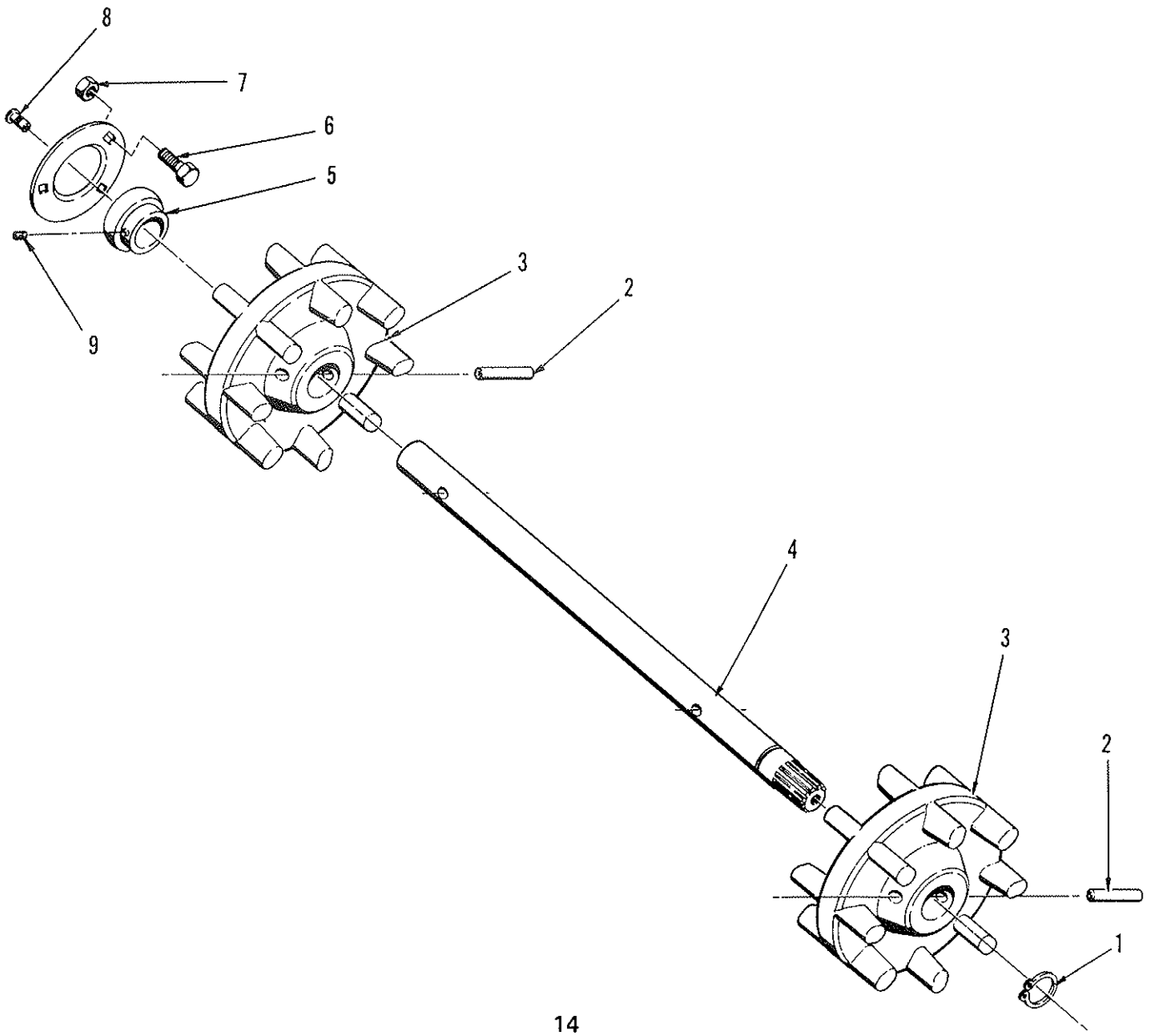
DRIVE SHAFT – CLEATED TRACK 294 & 335

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	7713901	Snap Ring	7	3514501	Bearing w/Lock Collar
2	7512126	Cap Screw	8	7512307	Cap Screw
3	5221337	Sprocket Hub	9	5221329	Flangette
4	5430185	Sprocket – 6 Tooth	10	7542303	Flex-Loc Nut
5	1590166	Drive Shaft Weldment	11	3280002	Speedometer Bushing
6	7542103	Flex-Loc Nut	12	7512308	Set Screw



DRIVE SHAFT ASSEMBLY — RUBBER TRACK 294, 335, 439, 650, 795

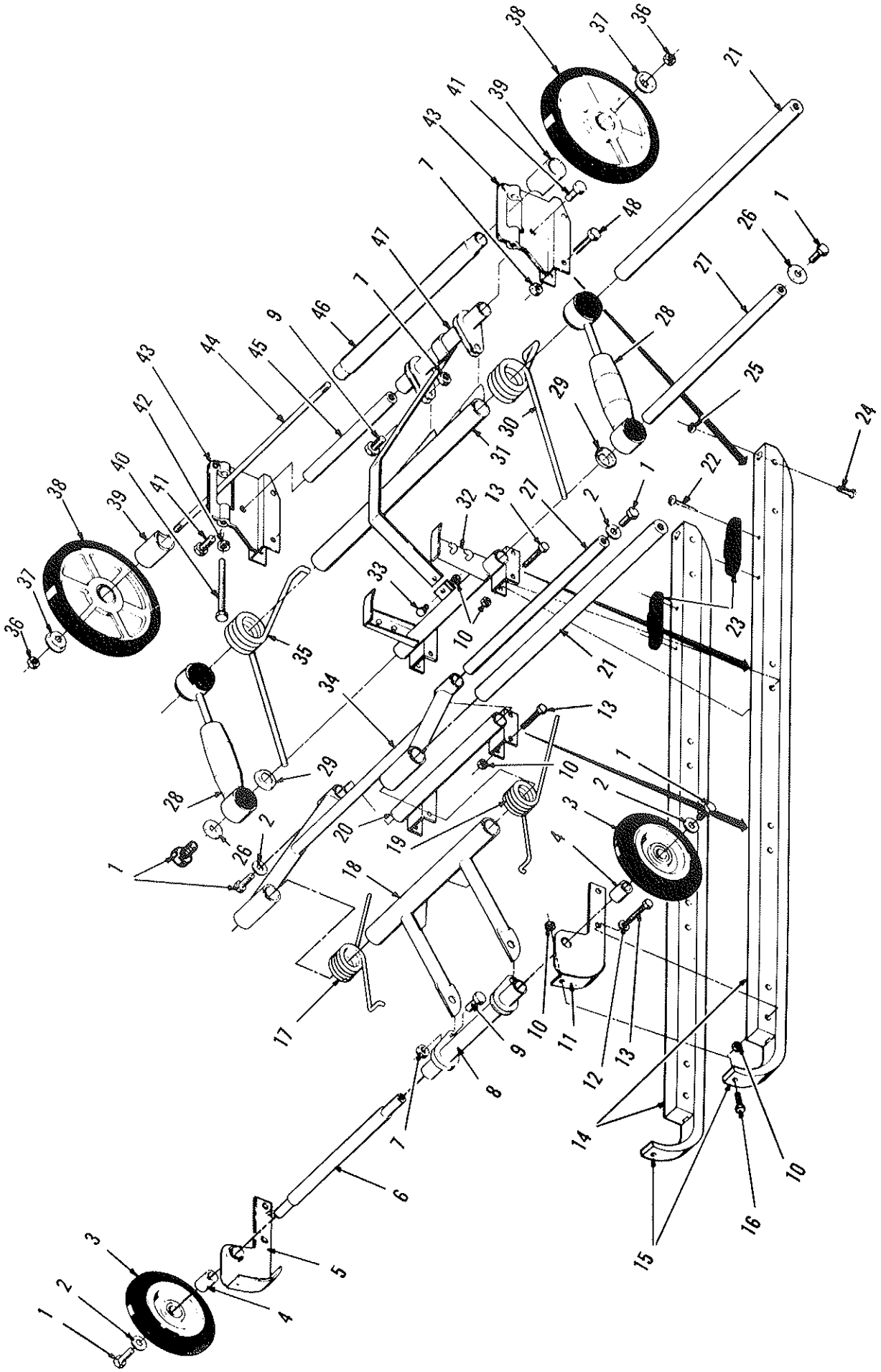
ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	7713901	Snap Ring	5	3514501	Bearing w/Lock Collar (Incl. Set Screw)
2	7661909	Spiral Pin	6	7512307	Cap Screw
3	5430218	Involute Sprocket	7	7542303	Flex-Loc Nut
4	6230034	Output Shaft — 294, 335, 439	8	3280002	Speedometer Bushing
	6230033	Output Shaft — 650, 795	9	7512308	Set Screw



SLIDE RAIL ASSEMBLY – CLEATED TRACK 439 & 650

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	1540320	Slide Rail Assembly	25	7542105	Hex Nut
1	7512304	Cap Screw	26	7555701	Flat Washer
2	7558403	Washer	27	5020150	Pivot Shaft
3	5430101	Bogie Wheel	28	7041010	Shock
4	5332093	Bogie Wheel Spacer	29	7556103	Special Washer
5	1540271	R.H. Rail Forming Bracket	30	7040119	L.H. Rear Spring
6	5020149	Bogie Wheel Shaft	31	1540351	Rear Suspension Arm Assembly
7	7542303	Loc Nut	32	1540269	Tube & Spring Adjuster Assembly
8	1540272	Pivot Arm Assembly	33	7512111	Cap Screw
9	7512451	Shoulder Screw	34	1540318	Suspension Tube Assy.
10	7542103	Loc Nut	35	7040118	R.H. Rear Spring
11	1540270	L.H. Rail Forming Bracket	36	7542403	Flex Loc Nut
12	7558302	Washer	37	7552905	Lock Washer
13	7512133	Cap Screw	38	5430204	Idler Wheel
14	5521029	Track Rail	39	5332270	Idler Shaft Spacer
15	5521038	Track Slide	40	7512493	Adjuster Bolt
16	7512163	Cap Screw	41	7512401	Cap Screw
17	7040120	R.H. Front Spring	42	7542404	Hex Nut
18	1540319	Front Suspension Arm Assembly	43	1540276	Rear Hanger Assembly
19	7040121	L.H. Front Spring	44	5332179	Idler Rod
20	1540267	Tube & Bracket Assembly	45	5020151	Pivot Arm Shaft
21	5020140	Suspension Shaft	46	1540331	Idler Shaft
22	7527804	Pan Head Screw	47	1540334	Rear Pivot Arm Assembly
23	5410165	Stop	48	7512329	Cap Screw
24	7512181	Slotted Head Screw			

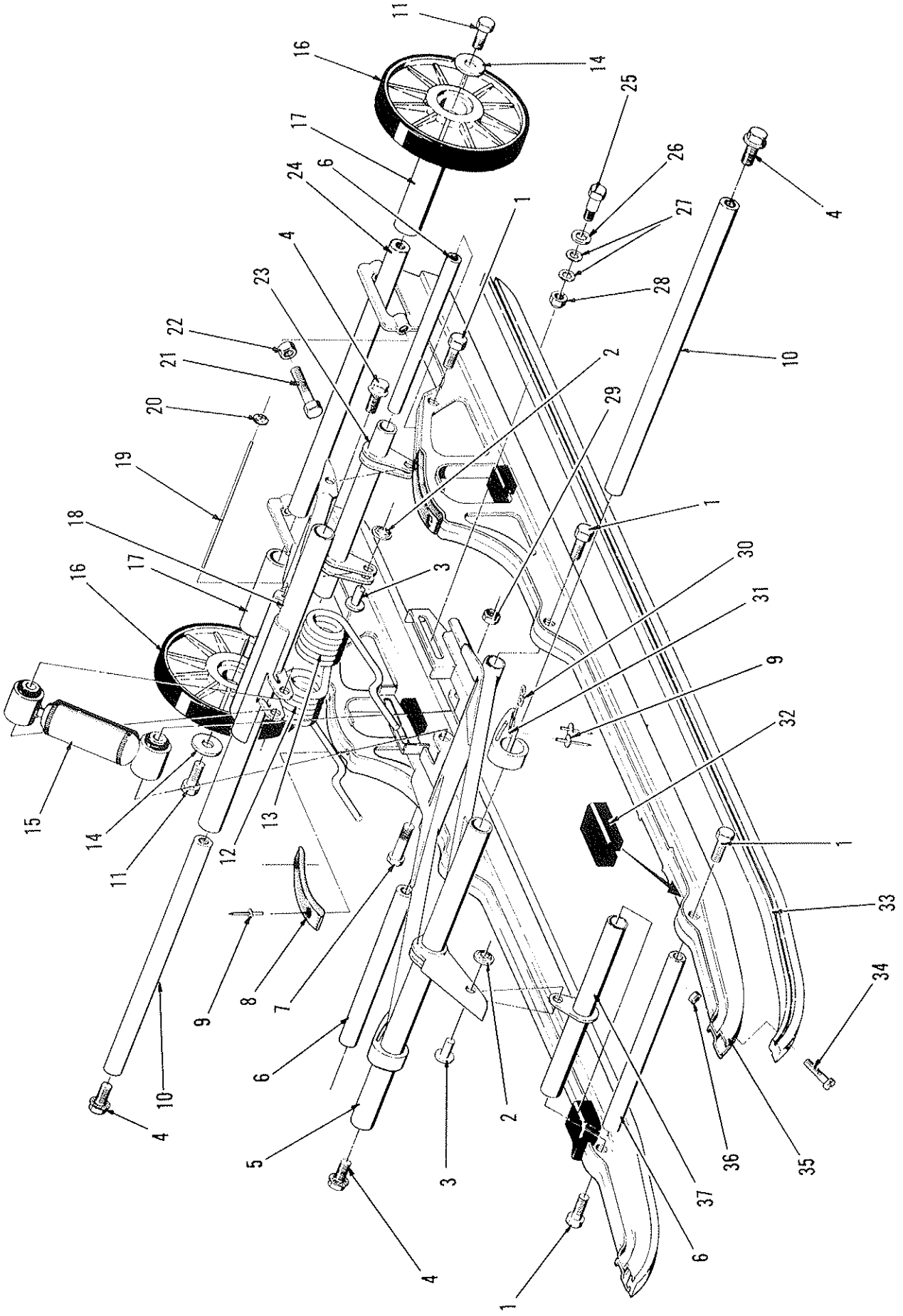
SLIDE RAIL ASSEMBLY – CLEATED TRACK 439 & 650



SLIDE RAIL – CLEATED TRACK 294 & 335

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	1540365	Slide Rail Assembly	19	5332269	Spring Retention Rod
1	7512468	Wiz Loc Bolt	20	7670018	Push On Nut
2	7670017	Push On Nut	21	7512499	Adjusting Bolt
3	7662012	Clevis Pin	22	7542404	Hex Nut
4	7512468	Wiz Loc Bolt	23	1540327	Pivot Arm
5	1540369	Front Torque Arm	24	5020199	Rear Idler Shaft
6	5020151	Pivot Arm Shaft	25	7512647	Shoulder Screw
7	7512530	Cap Screw	26	7558504	Wrought Washer
8	5430116	Rear Slide	27	7558403	Wrought Washer
9	7621402	Pop Rivet	28	7542403	Loc Nut
10	5020227	Mounting Shaft	29	7542507	Flex-Loc Nut
11	7512492	Cap Screw	30	7558212	Rivet Burr
12	7040133	R.H. Spring	31	5430115	Front Slide
13	7040134	L.H. Spring	32	5410149	Rubber Stop
14	7555705	Washer	33	5521031	Slide
15	7041035	Shock	34	7512183	Machine Screw
16	1594012	Idler Wheel	35	1540323	Rail
17	5430114	Idler Spacer	36	7542101	Loc Nut
18	1540371	Rear Torque Arm	37	1540353	Limiter Arm

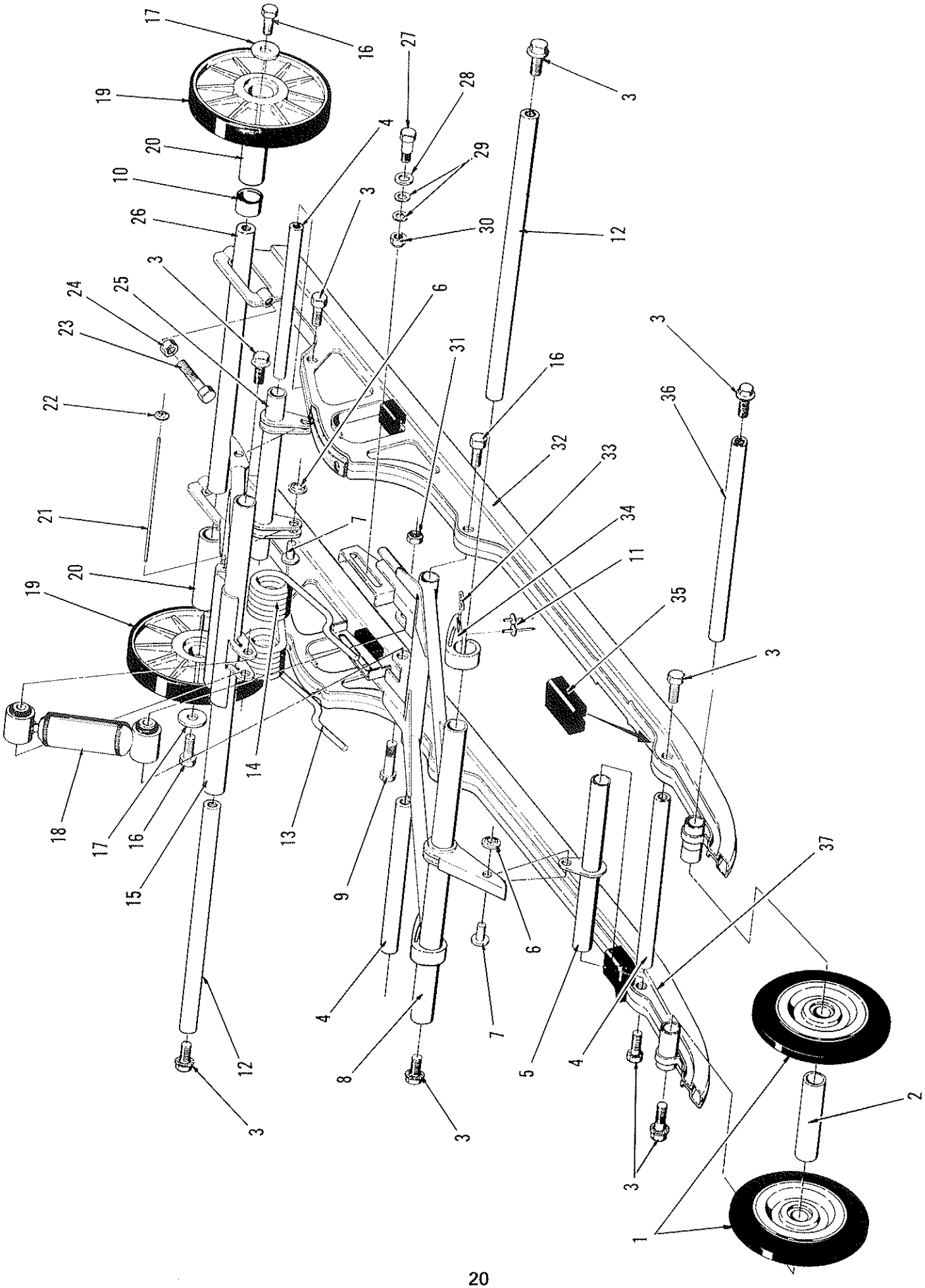
SLIDE RAIL – CLEATED TRACK 294 & 335



SLIDE RAIL – RUBBER TRACK 294/335/439/650/795

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	1540366	Slide Rail Assembly	19	1594012	Idler Wheel
1	1543006	Bogie Wheel	20	5430114	Idler Spacer
2	5332317	Bogie Wheel Spacer	21	5332269	Spring Retention Rod
3	7512468	Wiz Loc Bolt	22	7670018	Push On Nut
4	5020225	Pivot Arm Shaft	23	7512499	Adjusting Bolt
5	1540362	Limiter Arm	24	7542404	Hex Nut
6	7670017	Push On Nut	25	1540361	Pivot Arm
7	7662012	Clevis Pin	26	5020226	Rear Idler Shaft
8	1540360	Front Torque Arm	27	7512647	Shoulder Screw
9	7512530	Cap Screw	28	7558504	Wrought Washer
10	5332316	Idler Spacer	29	7558403	Wrought Washer
11	7621402	Pop Rivet	30	7542403	Lock Nut
12	5020227	Mounting Shaft	31	7542507	Flex Loc Nut
13	7040133	R.H. Spring	32	1540367	L.H. Rail
14	7040134	L.H. Spring	33	7558212	Rivet Burr
15	1540364	Rear Torque Arm	34	5430115	Front Slide
16	7512492	Loc Well Cap Screw	35	5410149	Rubber Stop
17	7555705	Washer	36	5020229	Bogie Wheel Shaft
18	7041035	Shock	37	1540368	R.H. Rail

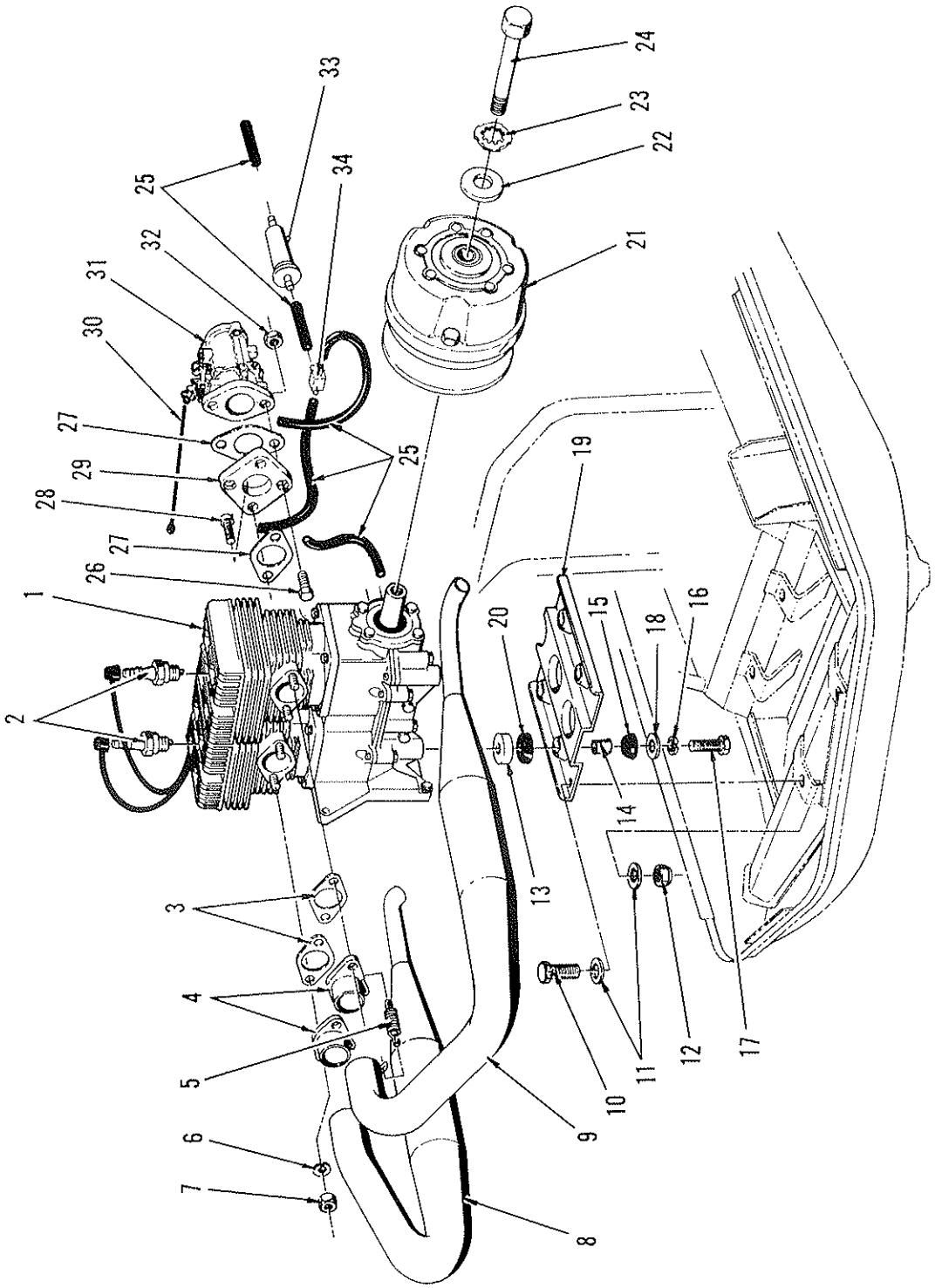
SLIDE RAIL – RUBBER TRACK 294/335/439/650/795



ENGINE MOUNTING – 294, 335 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	1211258	Engine – EC29PR – 294 cc	18	5210296	Flat Washer
	1211263	Engine – EC34PR – 335 cc	19	5223406	Motor Mount Plate
2	3070146	Spark Plug	20	5410135	Upper Vibration Dampener
3	3080143	Exhaust Gasket	21	1322066	Drive Clutch Assembly
4	1260270	Exhaust Flange	22	5020218	Retaining Washer
5	3081078	Exhaust Spring	23	7575202	Shakeproof Washer
6	3080339	Lock Washer	24	7512529	Clutch Retaining Bolt
7	3080285	Hex Nut	25	5420107	Bulk Fuel Line (Cut To Size)
8	1260258	Right Hand Tuned Pipe	26	7512374	Cap Screw
9	1260268	Left Hand Tuned Pipe	27	3080252	Intake Gasket
10	7512520	Cap Screw	28	3080889	Allen Bolt
11	7558504	Washer	29	1251046	Carburetor Adapter Block
12	7542508	Whiz - Loc Nut	30	5224125	Throttle Linkage
13	5221477	Vibration Dampener Cap	31	1251067	Carburetor
14	5332042	Motor Mount Bushing	32	7542304	Flex-Loc Nut
15	5410136	Lower Vibration Dampener	33	2530007	Fuel Filter
16	7553101	Lock Washer	34	7052013	Tee Fitting
17	7512524	Cap Screw			

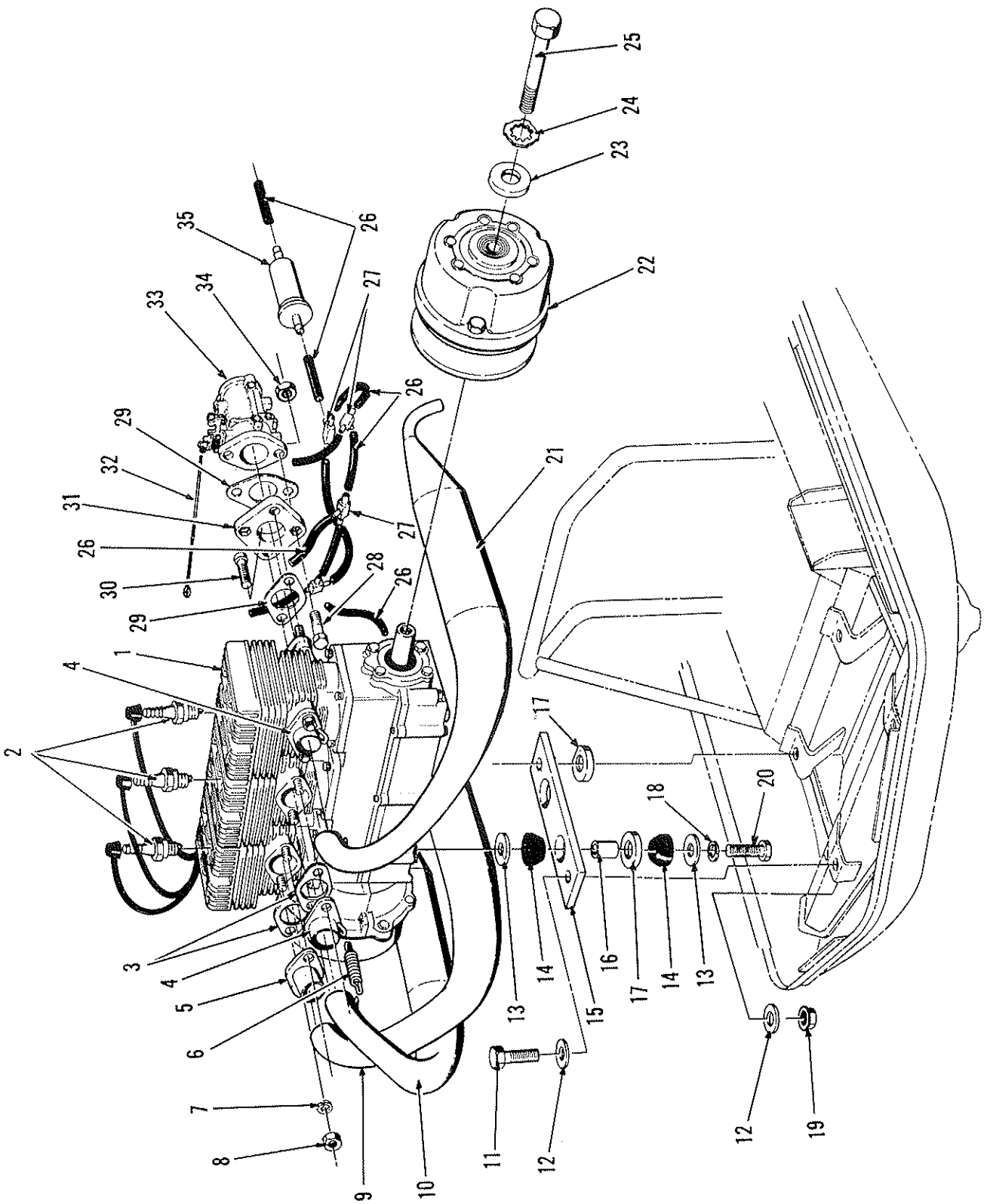
ENGINE MOUNTING — 294, 335 cc



ENGINE MOUNTING 439 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	1211351	Engine – EC43PR – 439 cc	19	7542508	Wiz-Loc Nut
2	3070146	Spark Plug	20	7512535	Cap Screw
3	3080143	Exhaust Gasket	21	1260268	Tuned Pipe – Left Cylinder
4	1260270	Exhaust Flange – Left & Center Cylinder	22	1322065	Drive Clutch
5	1260269	Exhaust Flange – Right Cylinder	23	5020218	Retaining Washer
6	3081078	Exhaust Spring	24	7575202	Shakeproof Washer
7	3080339	Lock Washer	25	7512529	Clutch Retaining Bolt
8	3080285	Hex Nut	26	5420107	Bulk Fuel Line – Cut To Size
9	1260259	Tuned Pipe – Right Cylinder	27	7052013	Tee Fitting
10	1260258	Tuned Pipe – Center Cylinder	28	7512374	Cap Screw
11	7512540	Cap Screw	29	3080252	Intake Gasket
12	7558504	Washer	30	3080889	Allen Bolt
13	5210296	Flat Washer	31	1251046	Carburetor Adapter Block
14	5410136	Vibration Dampener	32	5224125	Throttle Linkage
15	5130504	Motor Mount	33	1251067	Carburetor
16	5332271	Motor Mount Bushing	34	7542304	Flex-Loc Nut
17	5430123	Motor Mount Cup	35	2530007	Fuel Filter
18	7553101	Lock Washer			

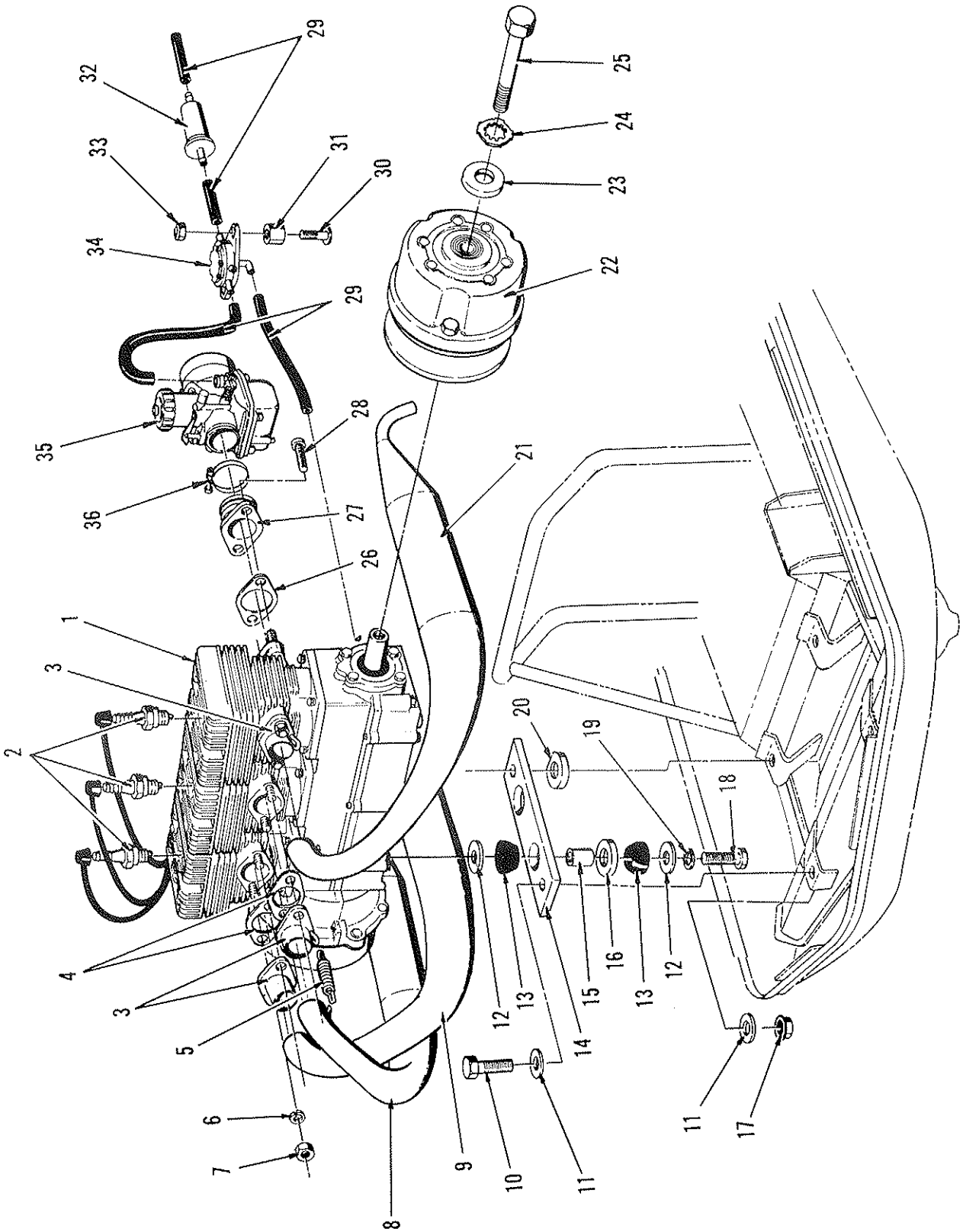
ENGINE MOUNTING 439 cc



ENGINE MOUNTING 650cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	1211510	Engine – EC65PR – 650cc	19	7553201	Loc Washer
2	3070146	Spark Plug	20	5430129	Motor Mount Cup
3	1260267	Exhaust Flange	21	1260266	Tuned Pipe – Left Cylinder
4	3081362	Exhaust Gasket	22	1322064	Drive Clutch
5	3081078	Exhaust Spring	23	5020218	Retaining Washer
6	3080339	Lock Washer	24	7575202	Shakeproof Washer
7	3080285	Hex Nut	25	7512529	Clutch Retaining Bolt
8	1260260	Tuned Pipe – Center Cylinder	26	3080252	Intake Gasket
9	1260261	Tuned Pipe – Right Cylinder	27	3081394	Carburetor Mount
10	7512540	Cap Screw	28	3081363	Allen Bolt
11	7558504	Wrought Washer	29	5420107	Bulk Fuel Line – Cut To Size
12	5210296	Washer	30	7512194	Machine Screw
13	5410136	Vibration Dampener	31	5020223	Threaded Bushing
14	5130504	Motor Mount	32	2530007	Fuel Filter
15	5332267	Motor Mount Bushing	33	7542103	Flex-Loc Nut
16	5430123	Motor Mount Cup	34	3081379	Fuel Pump
17	7542508	Whiz - Loc Nut	35	3081393	Carburetor – VM38
18	7512645	Cap Screw	36	3081395	Clamp

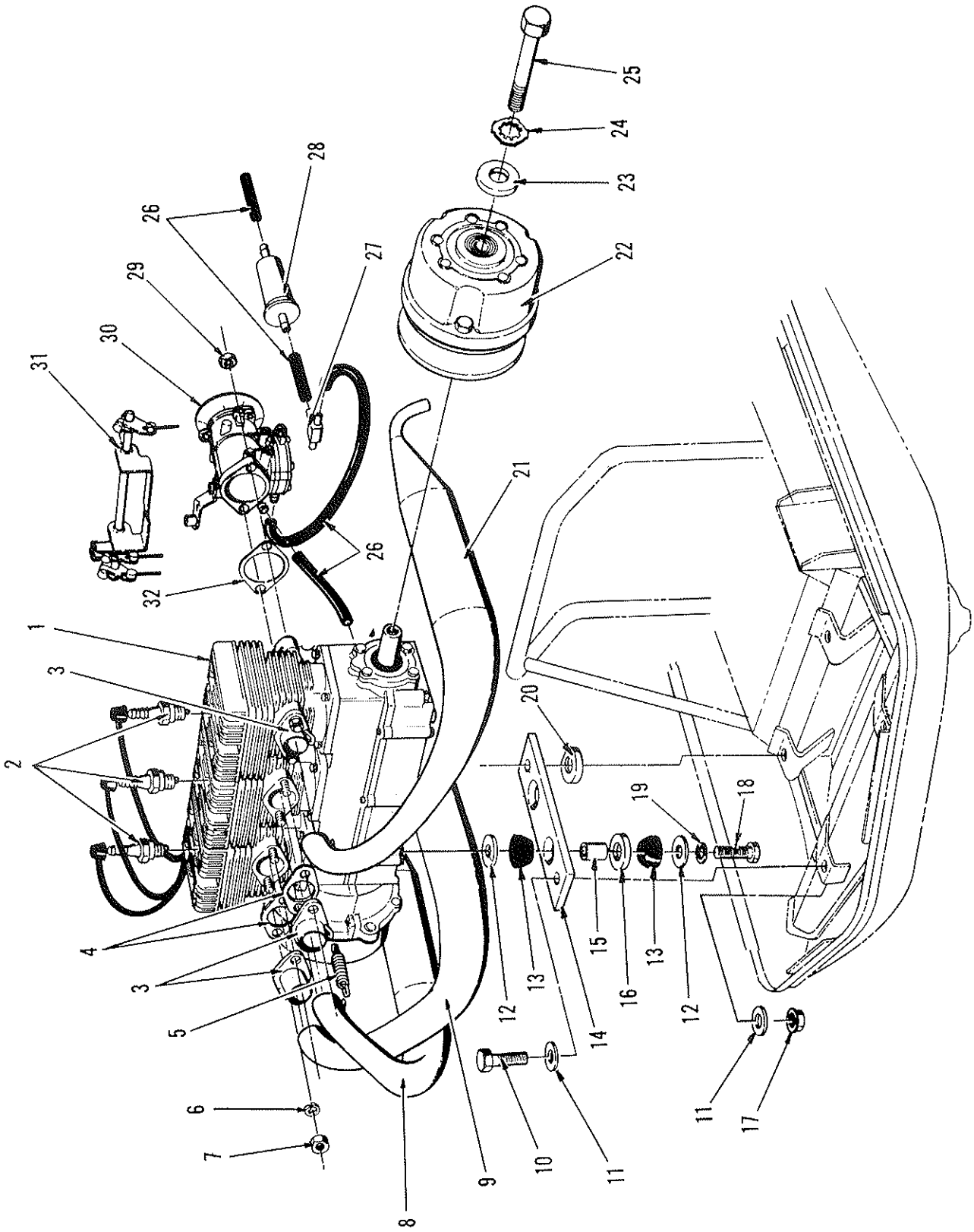
ENGINE MOUNTING 650cc



ENGINE MOUNTING 795 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	1211511	Engine – EC79PR – 795 cc	17	7542508	Whiz - Loc Nut
2	3070146	Spark Plug	18	7512645	Cap Screw
3	1260267	Exhaust Flange	19	7553201	Lock Washer
4	3081362	Exhaust Gasket	20	5430129	Motor Mount Cup
5	3081078	Exhaust Spring	21	1260266	Tuned Pipe – Left Cylinder
6	3080339	Lock Washer	22	1322063	Drive Clutch
7	3080285	Hex Nut	23	5020218	Retaining Washer
8	1260260	Tuned Pipe – Center Cylinder	24	7575202	Shakeproof Washer
9	1260261	Tuned Pipe – Right Cylinder	25	7512529	Clutch Retaining Bolt
10	7512540	Cap Screw	26	5420107	Bulk Fuel Line – Cut To Fit
11	7558504	Wrought Washer	27	7052013	Tee Fitting
12	5210296	Flat Washer	28	2530007	Fuel Filter
13	5410136	Vibration Dampener	29	3080043	Hex Nut
14	5130504	Motor Mount	30	1251063	Carburetor
15	5332267	Motor Mount Bushing	31	1251066	Carburetor Linkage
16	5430123	Motor Mount Cup	32	3080252	Intake Gasket

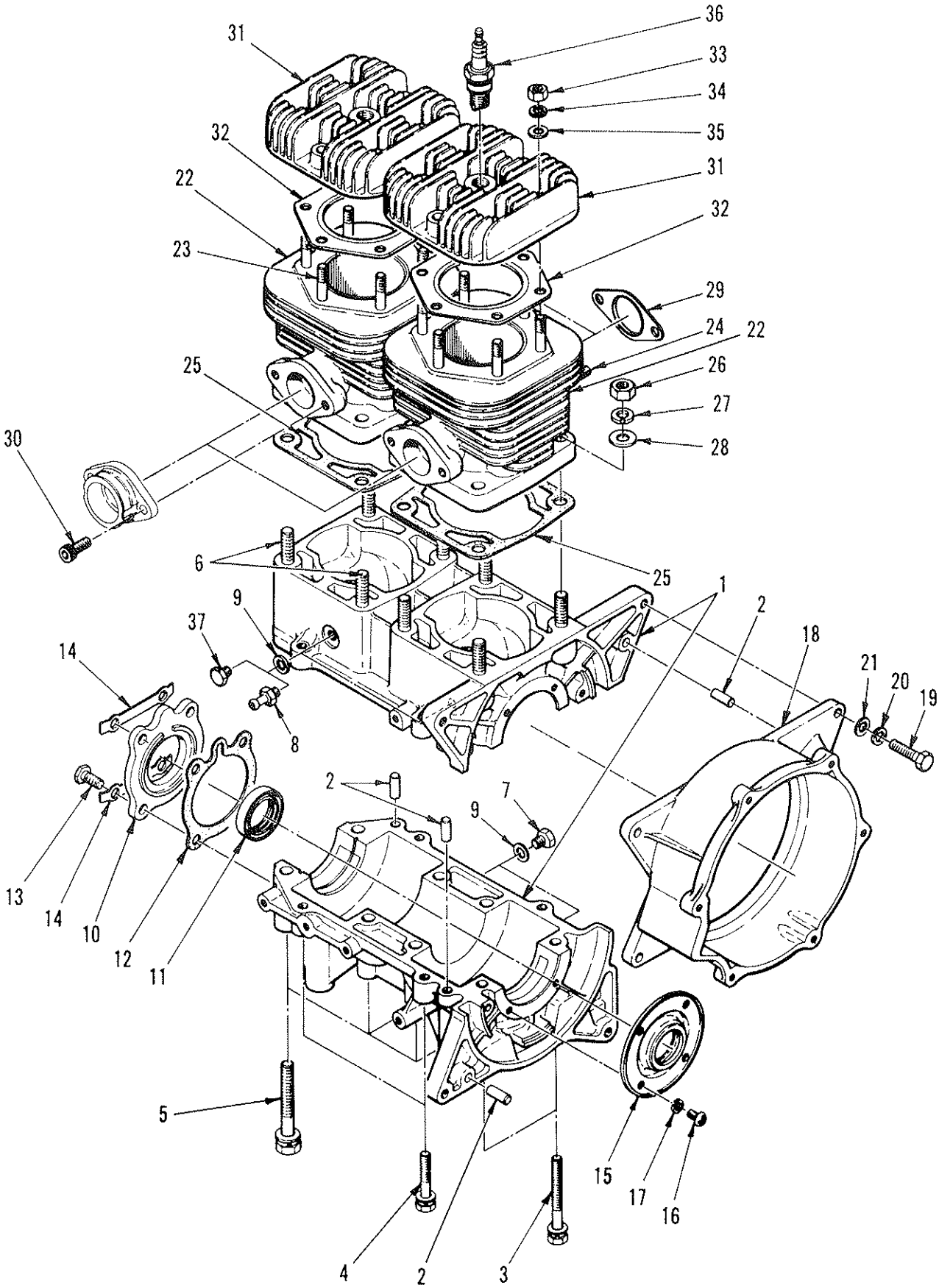
ENGINE MOUNTING 795 cc



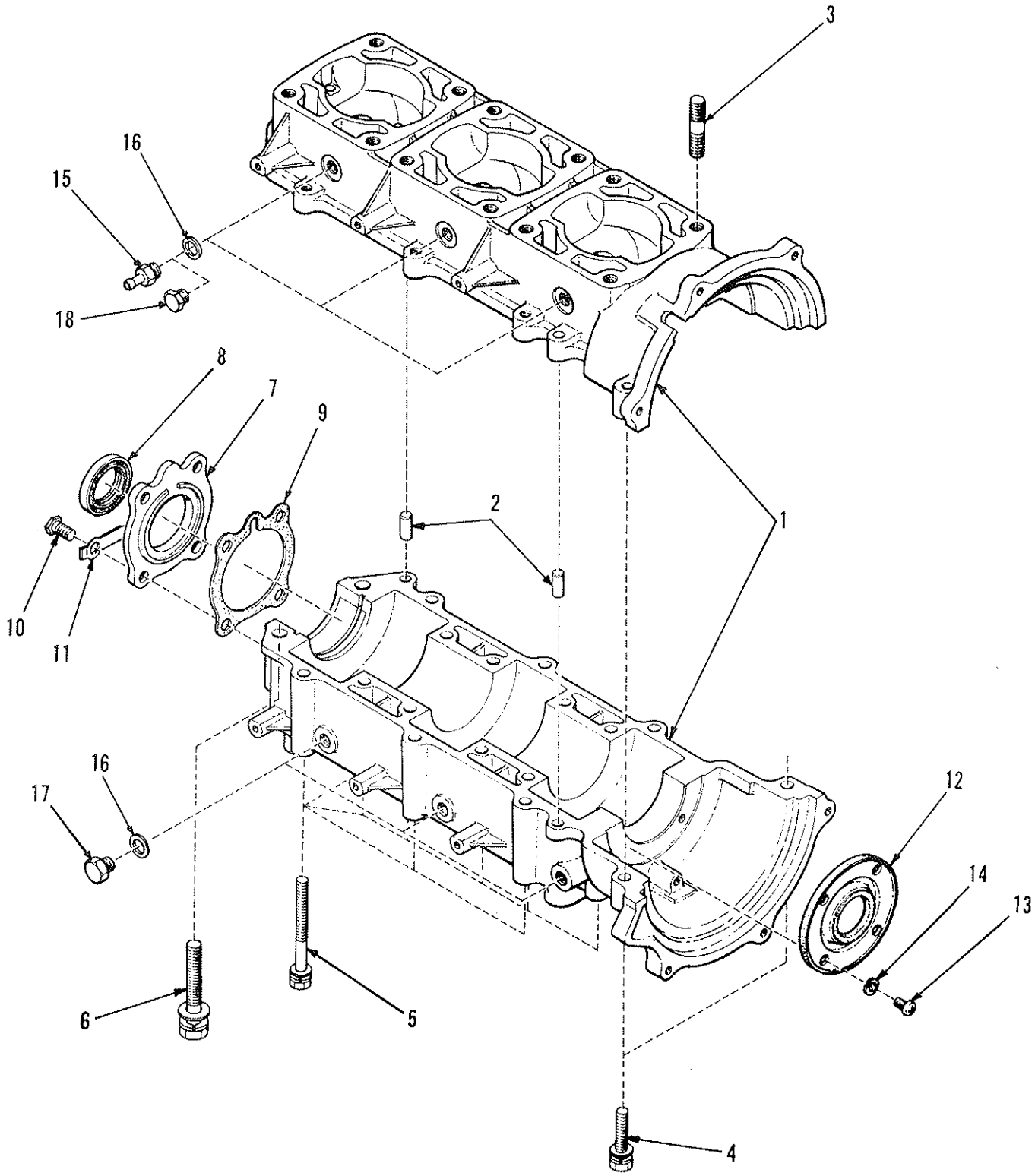
CRANKCASE & CYLINDER 294 & 335 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	3080381	Crankcase 294 - 335 (Incl. 2 - 6)	21	3080142	Washer
2	3080373	Knock Pin	22	3081324	Cylinder - 294 (Incl. 23 - 24)
3	3080739	Bolt w/Washer		3081326	Cylinder - 335 (Incl. 23 - 24)
4	3080741	Bolt w/Washer	23	3080283	Stud
5	3080742	Bolt w/Washer	24	3080016	Exhaust Stud
6	3080745	Stud	25	3080755	Cylinder Packing
7	3080045	Drain Plug	26	3080047	Nut
8	3080641	Fuel Inlet Connector	27	3080281	Spring Washer
9	3080114	Fiber Packing	28	3080356	Washer
10	3080296	Rear Crankcase Cover	29	3080143	Exhaust Gasket
11	3080006	Oil Seal	30	3080889	Allen Bolt
12	3080297	Rear Crankcase Cover Packing	31	3080888	Cylinder Head – 294
13	3080445	Special Bolt		3080954	Cylinder Head – 335
14	3081047	Lock Washer	32	3081062	Cylinder Head Gasket – 294
15	3081046	Special Oil Seal		3081063	Cylinder Head Gasket – 335
16	3080750	Screw	33	3080119	Nut
17	3080077	Spring Washer	34	3080339	Spring Washer
18	3080763	Magneto Cover	35	3080142	Washer
19	3080287	Bolt	36	3070146	Spark Plug
20	3080339	Spring Washer	37	3080446	Plug

CRANKCASE & CYLINDER 294 & 335 cc



ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	3081346	Crankcase Complete – 439 (Incl. 2-6)	9	3080297	Rear Crankcase Cover Packing – 439
	3081347	Crankcase Complete – 650 (Incl. 2-6)		3080646	Rear Crankcase Cover Packing – 650,795
	3081348	Crankcase Complete – 795 (Incl. 2-6)	10	3080448	Special Bolt
2	3080373	Knock Pin	11	3081047	Lock Washer – 439
3	3080666	Stud – 650, 795		3081349	Lock Washer – 650, 795
	3080745	Stud – 439	12	3081046	Special Oil Seal
4	3080883	Bolt w/Washer – 439	13	3080750	Screw – 439
	3080741	Bolt w/Washer – 650, 795		3080146	Screw – 650, 795
5	3080884	Bolt w/Washer – 439	14	3080077	Spring Washer
	3080924	Bolt w/Washer – 650, 795	15	3080641	Fuel Inlet Connector
6	3080742	Bolt w/Washer	16	3080114	Fiber Packing
7	3080296	Rear Crankcase Cover – 439	17	3080045	Plug
	3080645	Rear Crankcase Cover – 650, 795	18	3080446	Plug
8	3080006	Oil Seal – 439			
	3080664	Oil Seal – 650, 795			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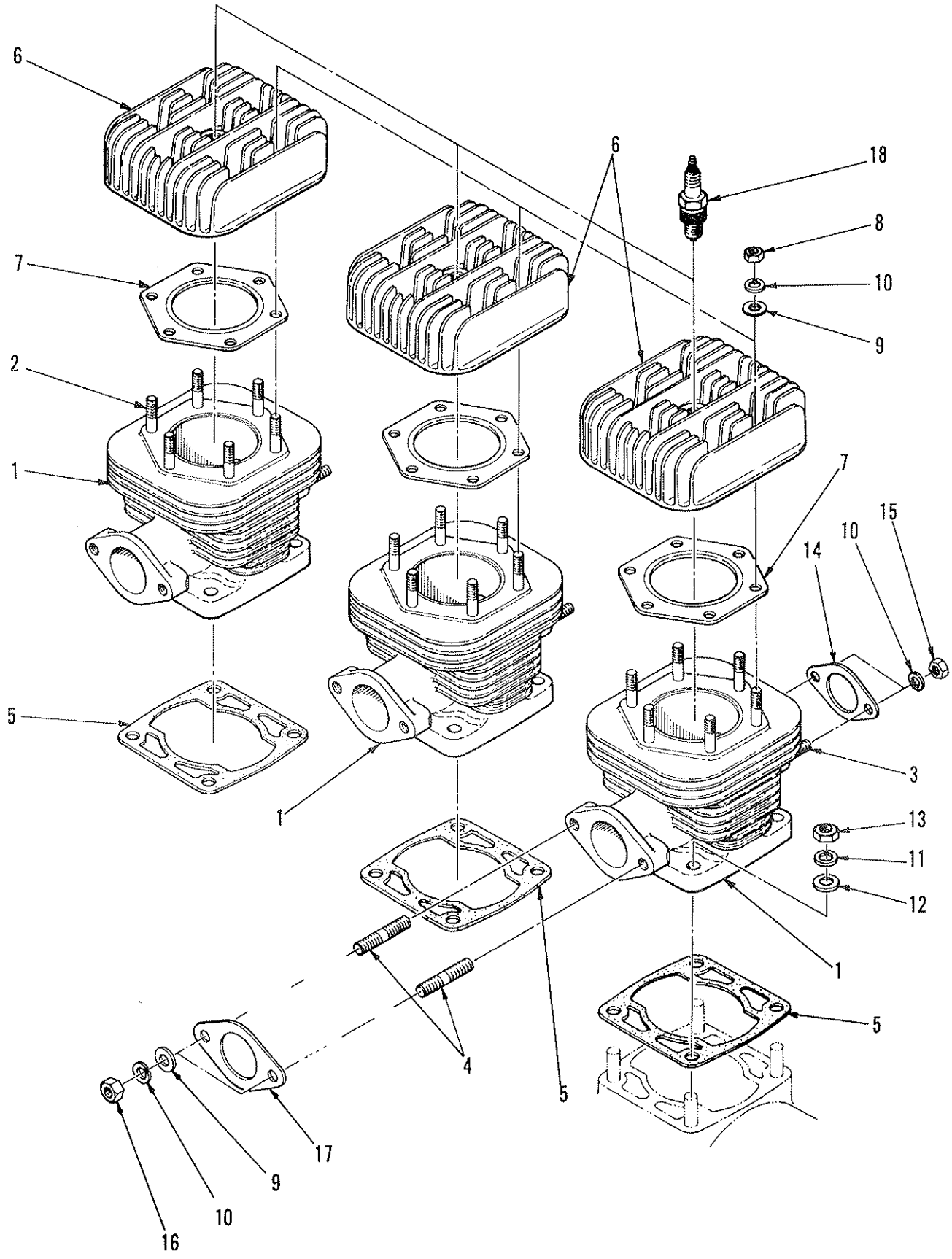
CYLINDER 439, 650, 795 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	3081351	Cylinder Complete – 439 (Incl. 2 - 3)	8	3080119	Nut
	3081353	Cylinder Complete – 650 (Incl. 2 - 4)	9	3080142	Washer
	3081354	Cylinder Complete – 795 (Incl. 2 - 4)	10	3080339	Spring Washer
2	3080283	Stud	11	3080281	Spring Washer
3	3080016	Exhaust Stud	12	3080356	Washer
4	3080452	Carburetor Stud	13	3080047	Nut
5	3080755	Cylinder Packing – 439	14	3080143	Exhaust Gasket – 439
	3080300	Cylinder Packing – 650		3081362	Exhaust Gasket – 650, 795
	3080695	Cylinder Packing – 795	15	3080285	Nut
6	3080888	Cylinder Head – 439	16	3080043	Nut
	3080930	Cylinder Head – 650	17	3080252	Intake Gasket
	3080931	Cylinder Head – 795	18	3070146	Spark Plug
7	3081062	Cylinder Head Gasket – 439			
	3080250	Cylinder Head Gasket – 650			
	3080696	Cylinder Head Gasket – 795			

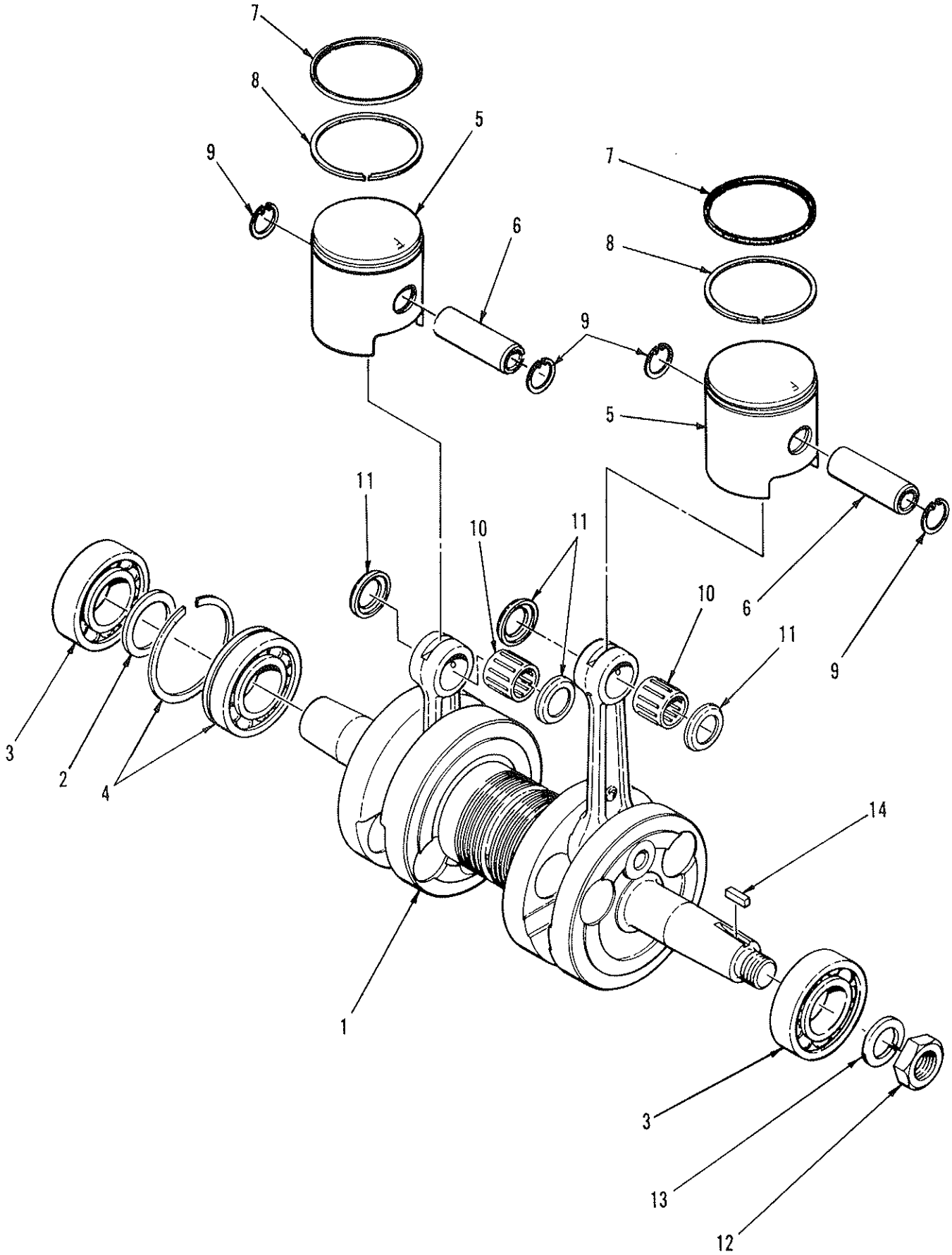
CYLINDER 439, 650, 795 cc



CRANKSHAFT & PISTON 294, 335 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	3081331	Crankshaft – 294, 335 (Incl. 2,3,4)	8	3081334	Piston Ring – 294
2	3080447	Crankshaft Spacer		3081335	Piston Ring – 335
3	3080004	Bearing	9	3080357	Snap Ring
4	3080243	Special Bearing	10	3080410	Needle Bearing
5	3081332	Piston – 294	11	3080386	Piston Pin Spacer – 294
	3081333	Piston – 335		3080592	Piston Pin Spacer – 335
6	3080384	Piston Pin – 294	12	3080448	Special Nut
	3080126	Piston Pin – 335	13	3080070	Spring Washer
7	3080892	"L" Ring – 294	14	3080069	Key
	3080952	"L" Ring – 335			

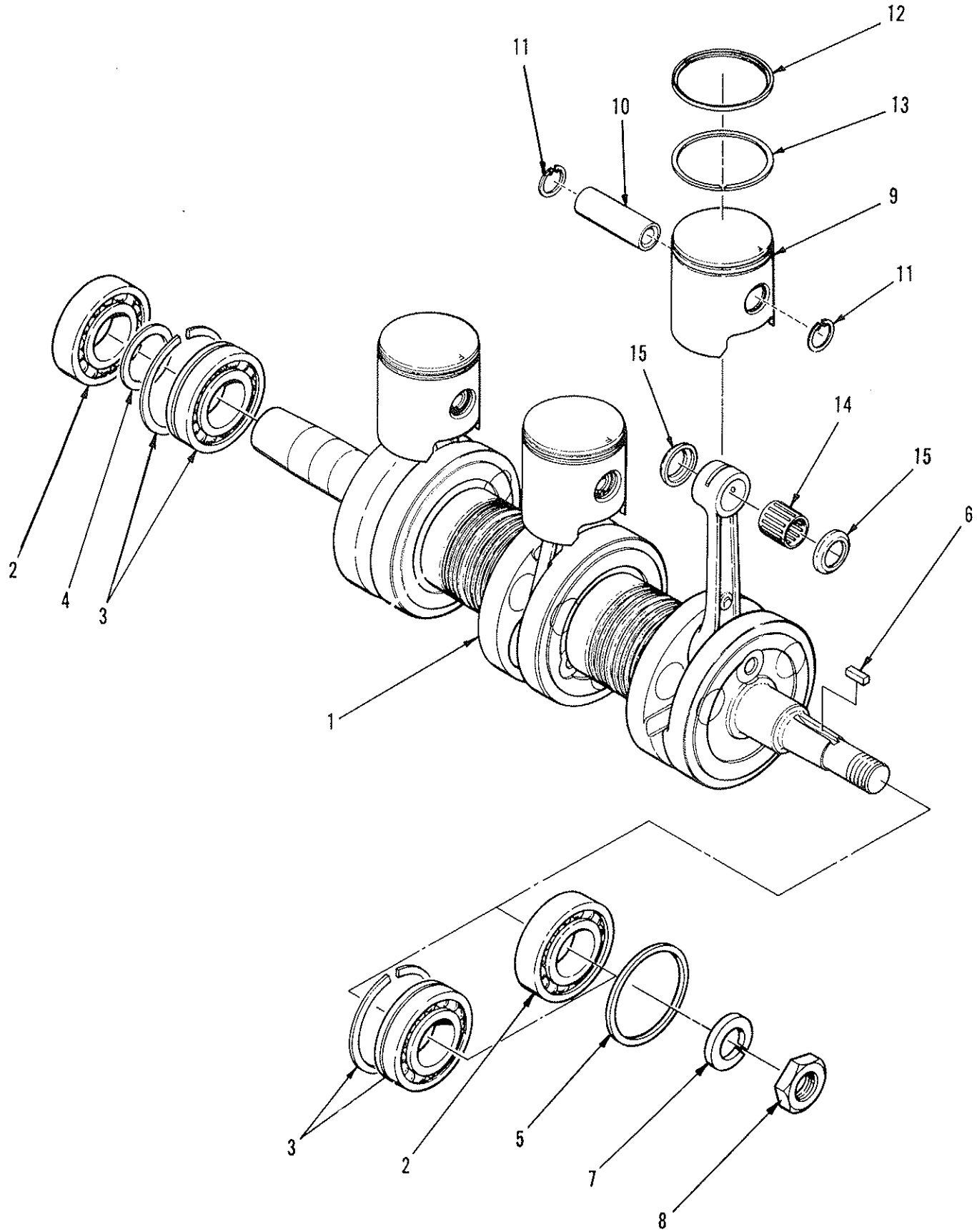
CRANKSHAFT & PISTON 294, 335 cc



CRANKSHAFT & PISTON 439, 650, 795 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
1	3081364	Crankshaft & Connecting Rod – 439	10	3080384	Piston Pin – 439
		(Incl. 2 - 4)		3080268	Piston Pin – 650
	3081365	Crankshaft & Connecting Rod –		3080693	Piston Pin – 795
		650, 795 (Incl. 2 - 4)	11	3080357	Piston Pin Snap Ring – 439
2	3080004	Bearing – 439		3080640	Piston Pin Snap Ring – 650, 795
	3080676	Bearing – 650, 795	12	3080892	"L" Ring – 439
3	3080243	Bearing – 439		3081373	"L" Ring – 650
	3080677	Bearing – 650, 795		3081374	"L" Ring – 795
4	3080447	Spacer – 439	13	3081334	Second Ring – 439
	3080665	Spacer – 650, 795		3081368	Second Ring – 650
5	3080893	Spacer Ring – 439 Only		3081376	Second Ring – 795
6	3081366	Key	14	3080410	Needle Bearing – 439
7	3080070	Spring Washer		3080265	Needle Bearing – 650
8	3080448	Special Nut		3080940	Needle Bearing – 795
9	3081332	Piston – 439	15	3080592	Spacer – 439
	3081369	Piston – 650		3080299	Spacer – 650, 795
	3081370	Piston – 795			

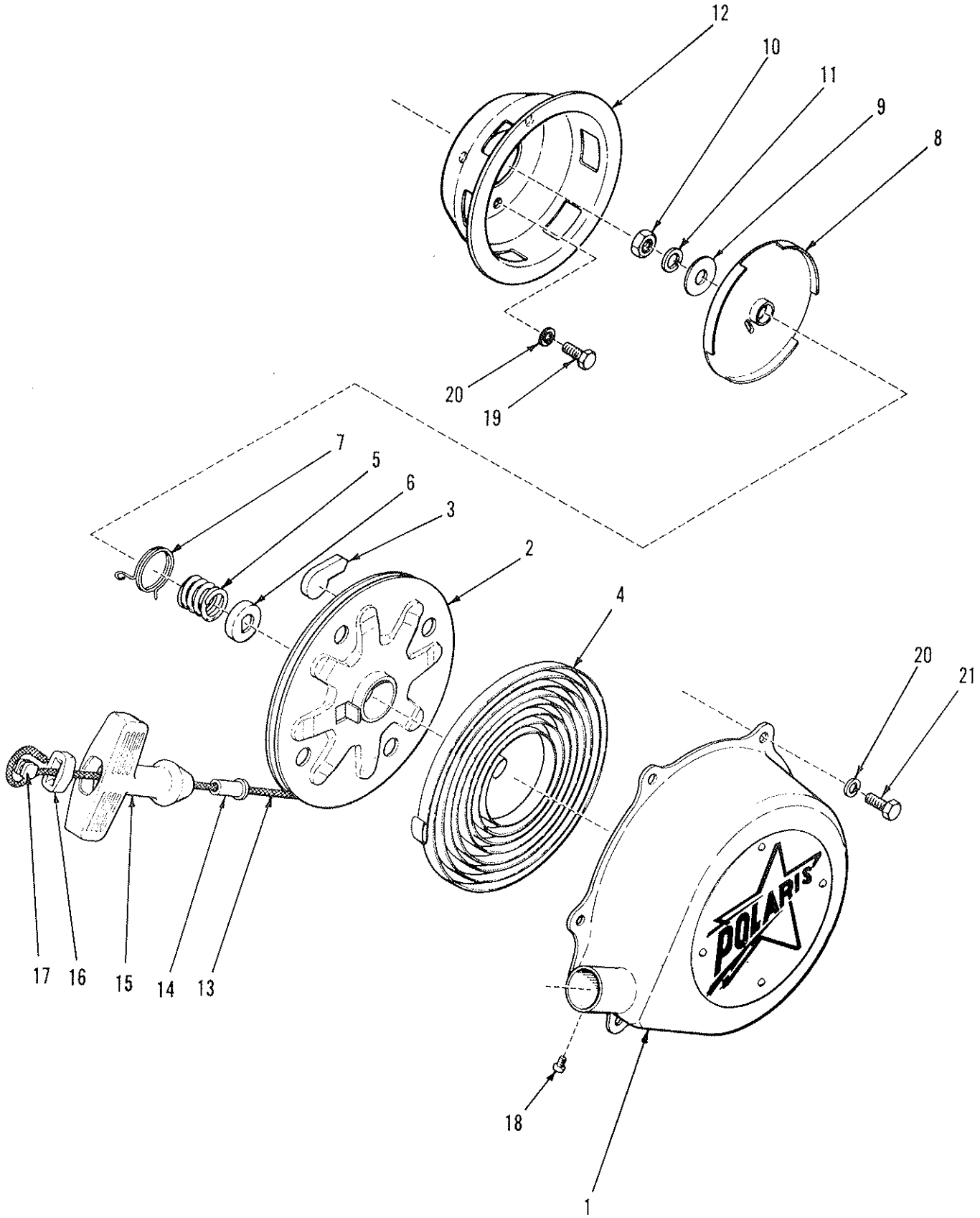
CRANKSHAFT & PISTON 439, 650, 795 cc



RECOIL STARTER (ALL MACHINES)

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	3081078	Recoil Complete – 294, 335	11	3081087	Spring Washer
	3081377	Recoil Complete – 439, 650, 795	12	3081083	Starting Pulley – 294, 335
1	3080903	Case		3081378	Starting Pulley – 439, 650, 795
2	3080904	Reel	13	3080914	Wire Rope
3	3081081	Ratchet	14	3080335	Wire Guide
4	3080906	Return Spring (A)	15	3080212	Handle
5	3080907	Spring	16	3080336	Wire Clamp (A)
6	3080908	Washer	17	3080918	Wire Clamp (B)
7	3081085	Return Spring (B)	18	3081082	Screw
8	3080910	Retainer	19	3080146	Bolt
9	3080911	Washer	20	3080077	Spring Washer
10	3081086	Nut	21	3080291	Bolt

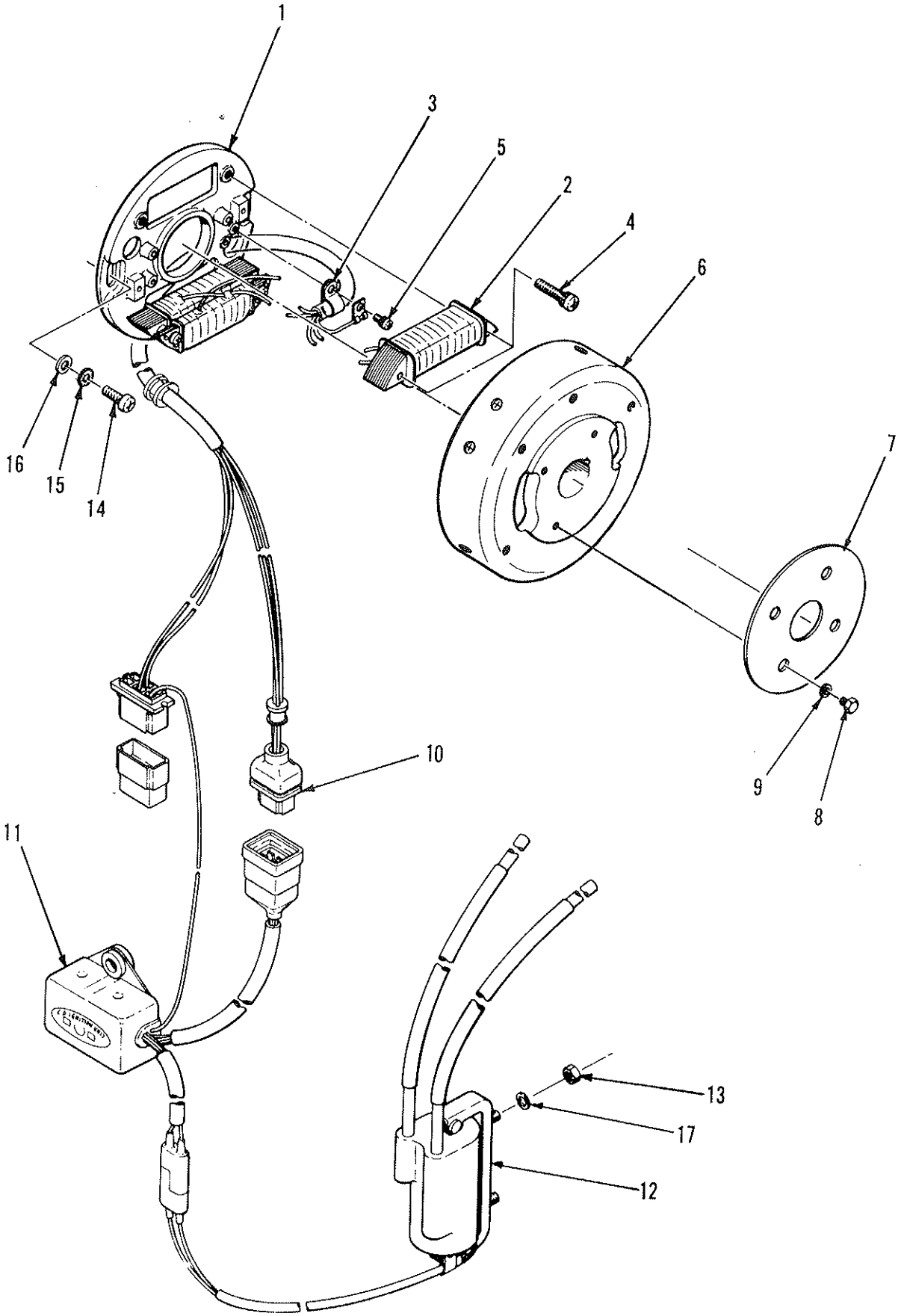
RECOIL STARTER (ALL MACHINES)



MAGNETO 294, 335 cc

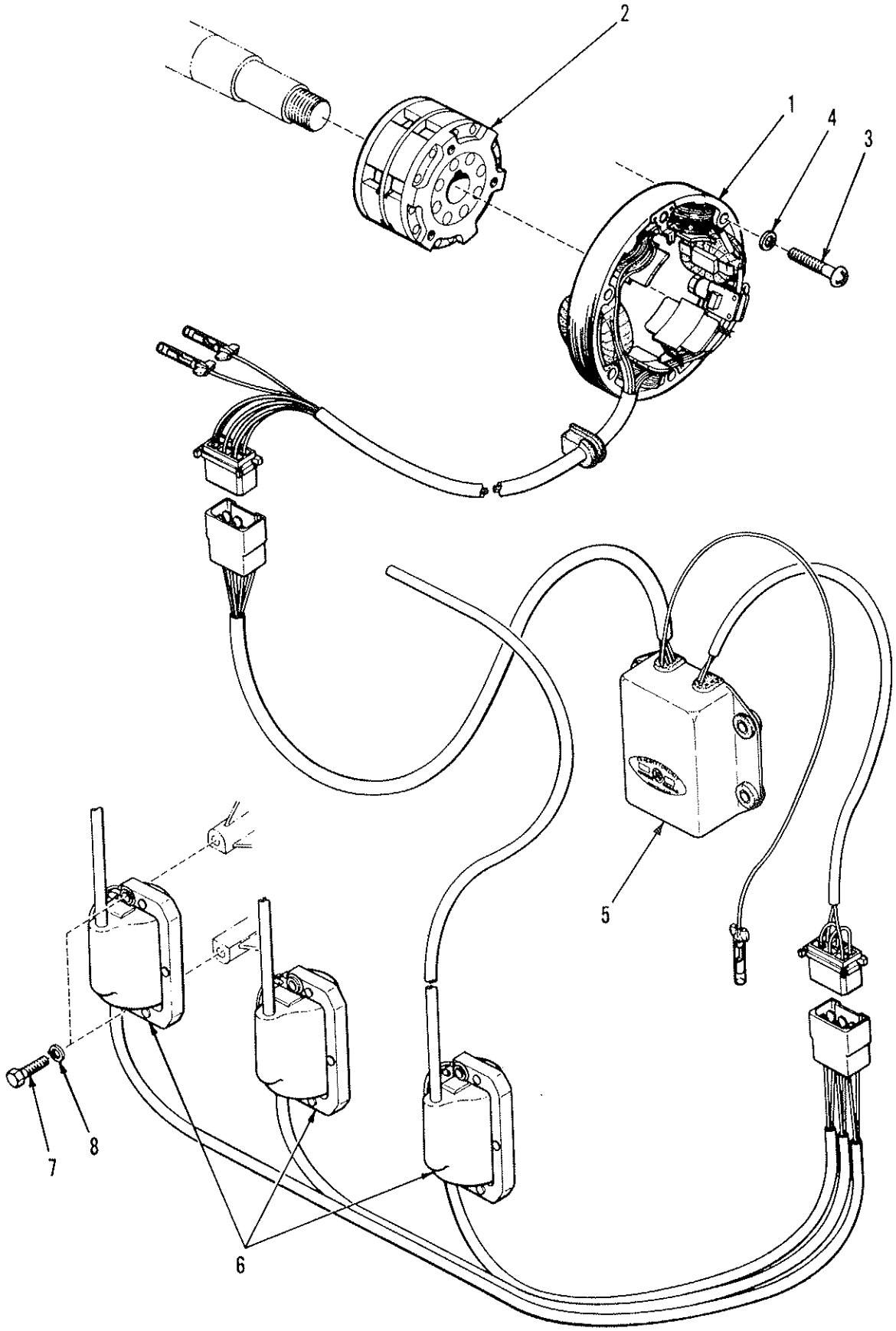
ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	3081308	Magneto Assembly (Incl. 1 - 10)	9	3081186	Spring Washer
1	3081344	Stator Assembly	10	3081306	Male Coupler
2	3081295	Lighting Coil	11	3081305	C.D.I. Unit Complete
3	3081296	Clamp	12	3081303	Ignition Coil Complete
4	3081342	Phillips Screw	13	7542113	6 MM Hex Nut
5	3081256	Phillips Screw	14	3081180	Screw
6	3081309	Flywheel	15	3081181	Spring Washer
7	3081310	Wind Cover	16	3080078	Washer
8	3081185	Bolt	17	7552804	6 MM Lock Washer

MAGNETO 294, 335 cc



MAGNETO 439, 650, 795 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	3081385	Magneto Assembly (Incl. 1 - 2)	5	3081387	C.D.I. Unit Complete
1	3080896	Stator Complete	6	3081389	Ignition Coil Complete
2	3080897	Rotor	7	3081390	Bolt
3	3080359	Screw	8	3080672	Spring Washer
4	3080077	Spring Washer			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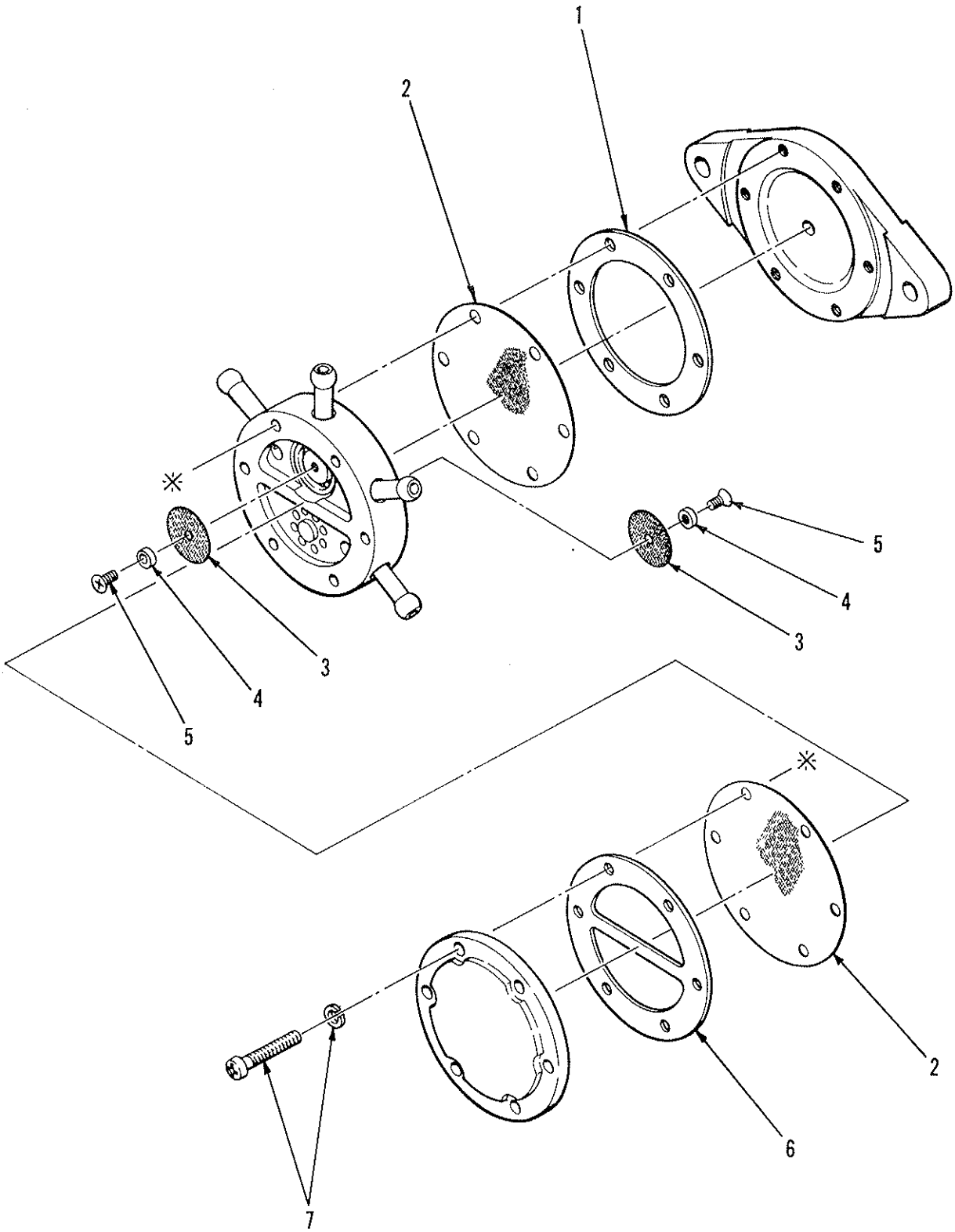
FUEL PUMP 650 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	3081379	Fuel Pump Assembly (Incl. 1 - 7)	4	3081383	Packing
1	3081380	Bottom Packing	5	3080991	Screw
2	3081381	Diaphragm	6	3081384	Top Packing
3	3081382	Valve	7	3081286	Screw w/Washer

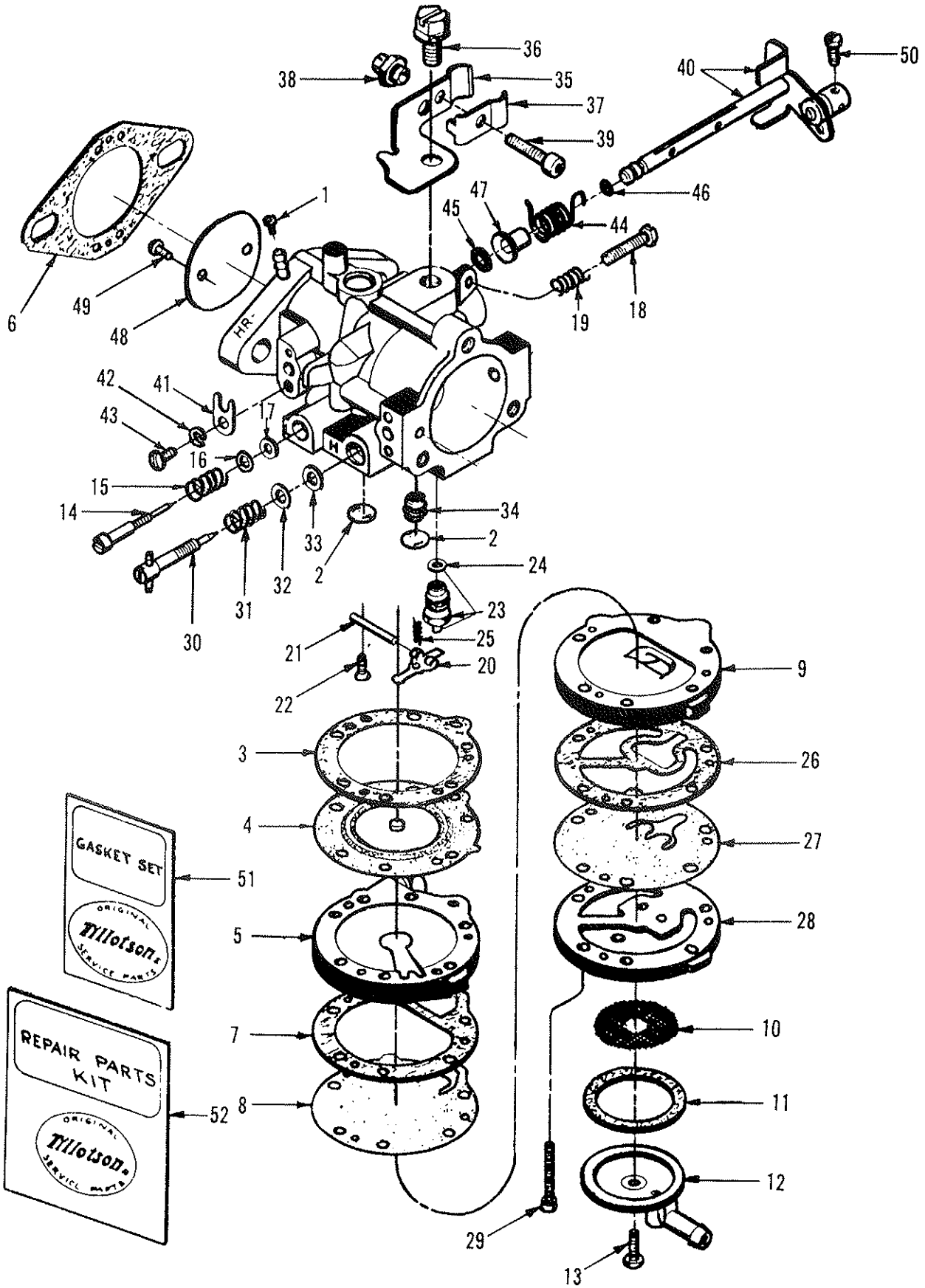
FUEL PUMP 650 cc



CARBURETOR 294, 335, 439 cc

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	1251067	Carburetor Assembly Complete	27	3100304	*Inlet Valve Diaphragm
1	3100266	Channel Plug Screw	28	3100305	Inlet Valve Body
2	3100002	*Channel Welch Plug	29	3100306	Retention Screw
3	3100012	Diaphragm Gasket	30	3100038	*High Speed Mixture Screw
4	3100013	*Diaphragm	31	3100039	* High Speed Mixture Screw Spring
5	3100307	Diaphragm Cover	32	3100040	High Speed Mixture Screw Washer
6	3100016	Flange Gasket	33	3100041	High Speed Mixture Screw Packing
7	3100308	Fuel Pump Gasket	34	3100042	*Nozzle Check Valve
8	3100309	*Fuel Pump Diaphragm	35	3100278	Bracket
9	3100310	Fuel Pump Body	36	3100279	Bracket Retention Screw
10	3100022	*Fuel Strainer Screen	37	3100280	Clamp
11	3100023	Fuel Strainer Cover Gasket	38	3100281	Nut
12	3100271	Fuel Strainer Cover	39	3100282	Screw
13	3100025	*Retention Screw	40	3100324	Throttle Shaft & Lever
14	3100026	*Idle Mixture Screw	41	3100044	Throttle Shaft Clip
15	3100179	*Idle Mixture Screw Spring	42	3100045	Lock Washer
16	3100028	Idle Mixture Screw Washer	43	3100046	Retention Screw
17	3100029	Idle Mixture Screw Packing	44	3100325	*Return Spring
18	3100030	*Idle Speed Screw	45	3100326	Large Throttle Shaft Seal
19	3100031	*Idle Speed Screw Spring	46	3100327	Small Throttle Shaft Seal
20	3100032	*Inlet Control Lever	47	3100328	Throttle Shaft Seal Retainer
21	3100033	*Fulcrum Pin	48	3100302	Throttle Shutter
22	3100034	*Fulcrum Pin Retaining Screw	49	3100008	*Screw w/Washer
23	3100035	*Inlet Needle, Seat & Gasket	50	3100269	*Screw
24	3100036	Inlet Seat Gasket	51	3100301	*Gasket & Packing Set
25	3100074	*Inlet Tension Spring	52	3100300	Repair Parts Kit
26	3100303	Inlet Valve Gasket			

* Indicates Contents Of Repair Kit


GASKET SET
ORIGINAL Tillotson SERVICE PARTS
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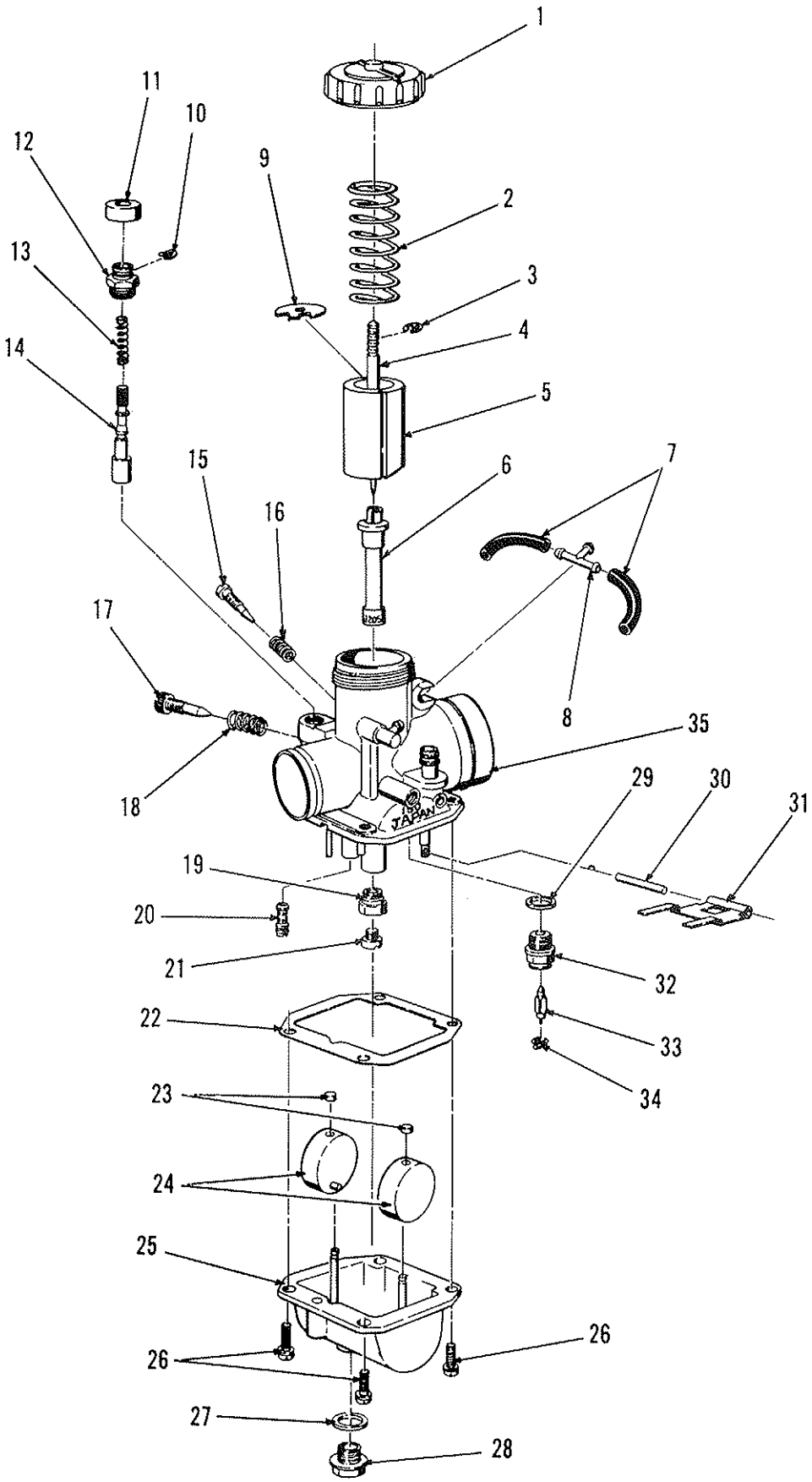
CARBURETOR ASSEMBLY – MIKUNI VM38 SC

ITEM NO.	PART NO.	PART DESCRIPTION	ITEM NO.	PART NO.	PART DESCRIPTION
	3081393	Carburetor Assembly	18	3080169	Throttle Stop Screw Spring
1	3081405	Mixing Chamber Top	19	3081418	Main Jet Fitting
2	3081105	Spring	20	3080174	Pilot Jet
3	3080546	E Ring	21	3081402	Main Jet
4	3081406	Jet Needle	22	3081398	Float Chamber Packing
5	3081407	Throttle Valve	23	3080535	Cap
6	3081397	Needle Jet	24	3080534	Float Assembly
7	3081409	Hose	25	3081417	Float Chamber Body
8	3080585	Tee Fitting	26	3081416	Screw w/Washer
9	3081400	Throttle Spring Plate	27	3081415	Packing
10	3081411	Spring Clip	28	3081414	Plug
11	3081410	Cap	29	3081422	Packing
12	3081412	Fitting	30	3080363	Float Pin
13	3081413	Plunger Spring	31	3081423	Float Arm
14	3081399	Starter Assembly		3081396	Needle Valve (Incl. 32, 33, 34)
15	3080537	Air Screw	32	3081421	Valve Seat
16	3080820	Air Screw Spring	33	3081420	Needle Valve
17	3080168	Throttle Stop Screw	34	3081419	Keeper
			35	3081408	Carburetor Body

CARBURETOR ASSEMBLY – MIKUNI VM38 SC