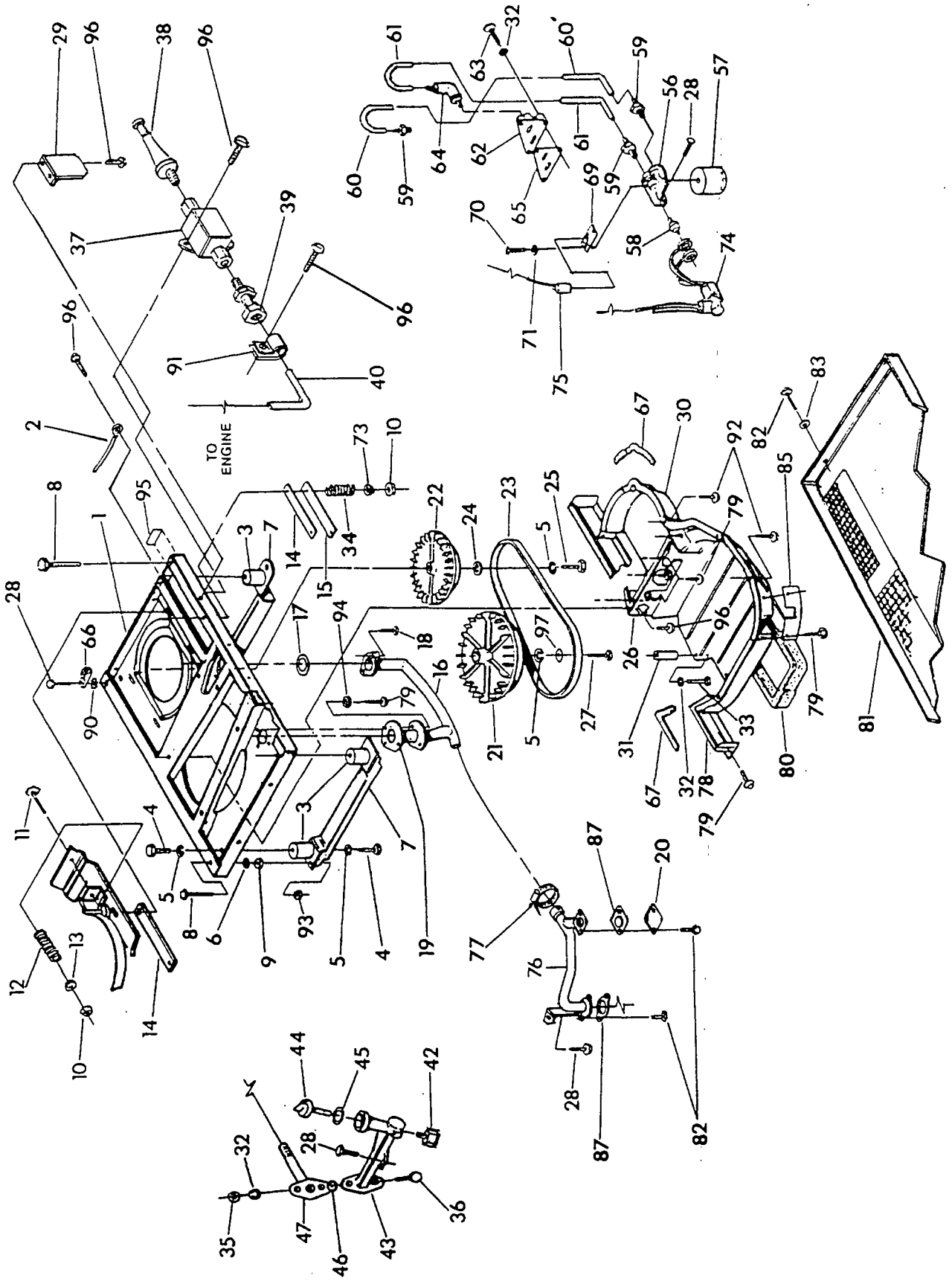


EXPLODED VIEW — BASE AND PULLEYS

Drawing No. 91356



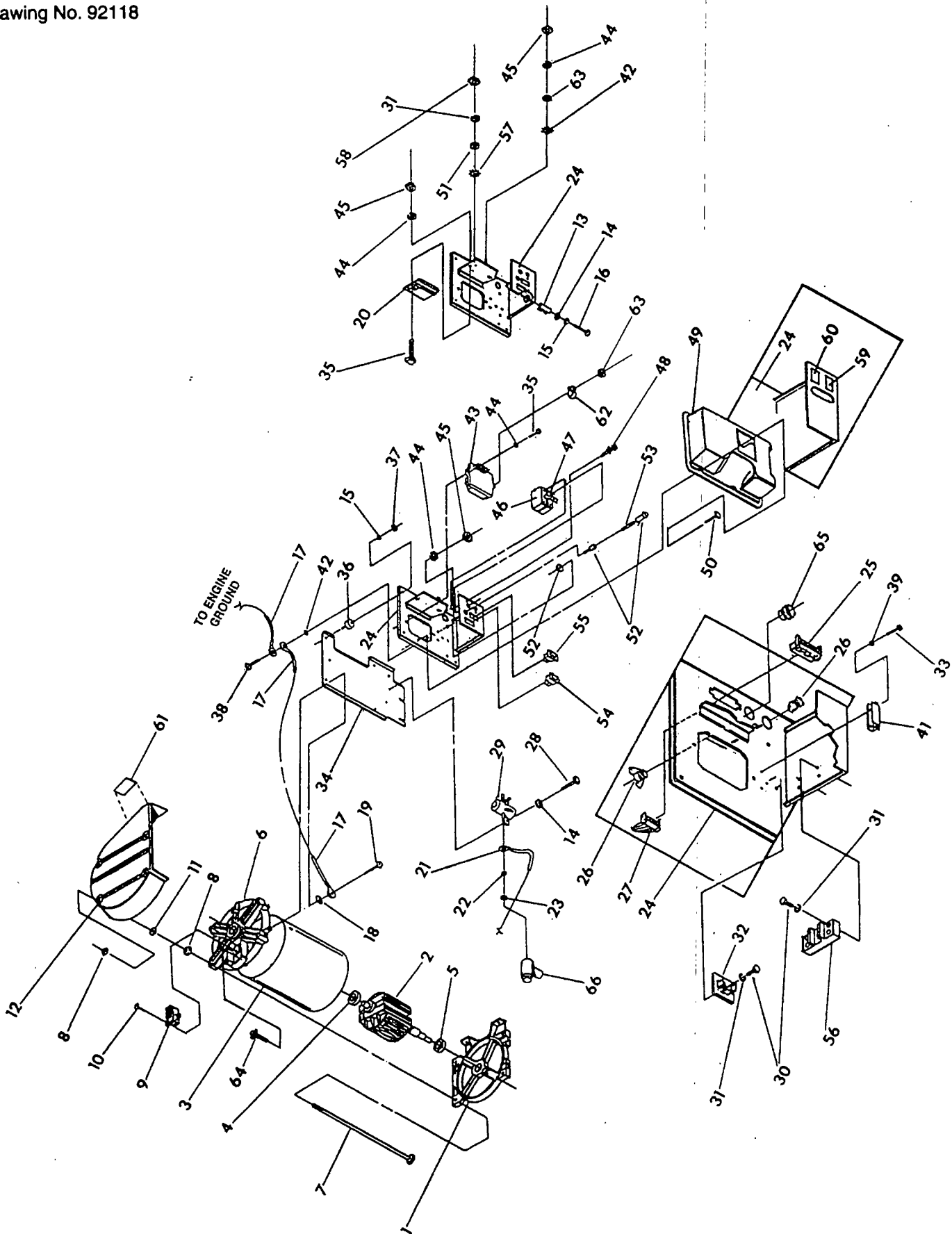
REPAIR PARTS — BASE AND PULLEYS

Drawing No. 91356

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	86318	1	Mounting Base	43	75710-A	1	Oil Fill and Drain Tube
2	90141	1	Ground Cable	44	74958	1	Cap and Dipstick Assembly
3	46911	4	Rubber Mount	45	67871	1	O-ring Cap
4	25017	8	3/8"-16 x 1/2" Capscrew	46	75712	1	O-ring Drain
5	46526	10	M10 Lock Washer	47	75711	1	O-ring Adaptor
6	22129	2	M8 Lock Washer	56	73179	1	Oil Filter Support
7	72391	2	Rubber Mount Skid	57	70185	1	Oil Filter (FRAM PH #3614)
8	77603	2	5/16"-18 x 3-1/2" Bolt	58	77667	1	Oil Pressure Switch
9	22259	2	5/16-18 Hex Nut	59	74948	3	5/16" Fitting
10	52858	6	M8-1.25 Flanged Lock Nut	60	74950	1	Outer Oil Tube
11	51730	2	M8-1.25 x 60mm Capscrew	61	74951	1	Inner Oil Tube
12	29459	2	Belt Tension Spring	62	73134	1	Oil Pad Adaptor
13	75215	2	Spring Center Washer	63	38750	3	M6-1.00 x 30mm Capscrew
14	73146	4	Nylon Slide	64	74949	1	5/16" 90-degree Fitting
15	75209	2	Nylon Slide Support	65	68548	1	Oil Pad Gasket
16	73174	1	Exhaust Manifold	66	62684	1	Grounding Lug
17	79678	2	Exhaust Manifold Gasket	67	29289	—	1/16" x 8' Foam Tape
18	55173	4	M8-1.25 x 20mm Capscrew	69	75281	1	High Temperature Switch
19	72383	2	Collector Pan Gasket	70	74027	2	M3-0.5 Pan Head Screw
20	90859	1	Cover Plate - External	71	43182	2	M3 Lock Washer
21	75224-F	1	Engine Pulley	73	75237	4	Spring Retainer Washer
22	73106-F	1	Alternator Pulley	74	77681	1	LOS 2-wire Vinyl Cap
23	75216	1	40" Poly Vinyl 4L Belt	75	75474	1	17" x 42" x 2" Vinyl Cap
24	49451	1	Pulley Retainer Washer	76	90800	1	Exhaust Elbow
25	42633	1	3/8"-24 x 1" Capscrew	77	74907	1	1-1/8" Exhaust Clamp
26	77017	1	Blower Housing Guide	78	75226	1	Air Cover
27	73118	1	3/8"-24 x 2-1/2" Capscrew	79	56893	14	#10-24 x 1/2" Screw
28	74906	5	M6-1.00 x 20mm Screw	80	75229	1	Slide Pan Gasket
29	91123	1	Fuel Pump Bracket	81	75227	1	Slide Pan
30	72375	1	Blower Housing	82	79246	8	M6-1.0 x 16mm Capscrew with lock washer
31	73185	1	Blower Housing Spacer	83	22473	4	M6 Flat Washer
32	22097	6	M6 Lock Washer	85	72384-C	1	Exhaust Outlet Cover
33	77682	1	M5-0.8 x 80mm Capscrew	87	77643	2	Exhaust Outlet Gasket
34	75242	4	Generator Mounting Spring	90	22447	1	M8 Toothed Lock Washer
35	49813	2	M6-1.00 Hex Nut	91	90088	1	Vinyl Coated Clamp
36	45757	2	M6-1.0 x 25mm Capscrew	92	74908	10	M5-0.8 x 10mm Screw
37	90475	1	Fuel Pump	93	81105	2	5/16"-18 Flange Nut (special)
38	87769	1	Fuel Filter	94	23897	6	M5 Flat Washer
39	87768	1	1/8" Pipe to 1/4" Tube Fitting	95	67210	1	Decal — Ground
40	87770	1	Fuel Line	96	45756	9	M6 x 10mm Taptite Screw
42	26925	1	3/8" NPT Oil Drain	97	22131	1	M10 Flat Washer

EXPLODED VIEW — ALTERNATOR & PANEL

Drawing No. 92118



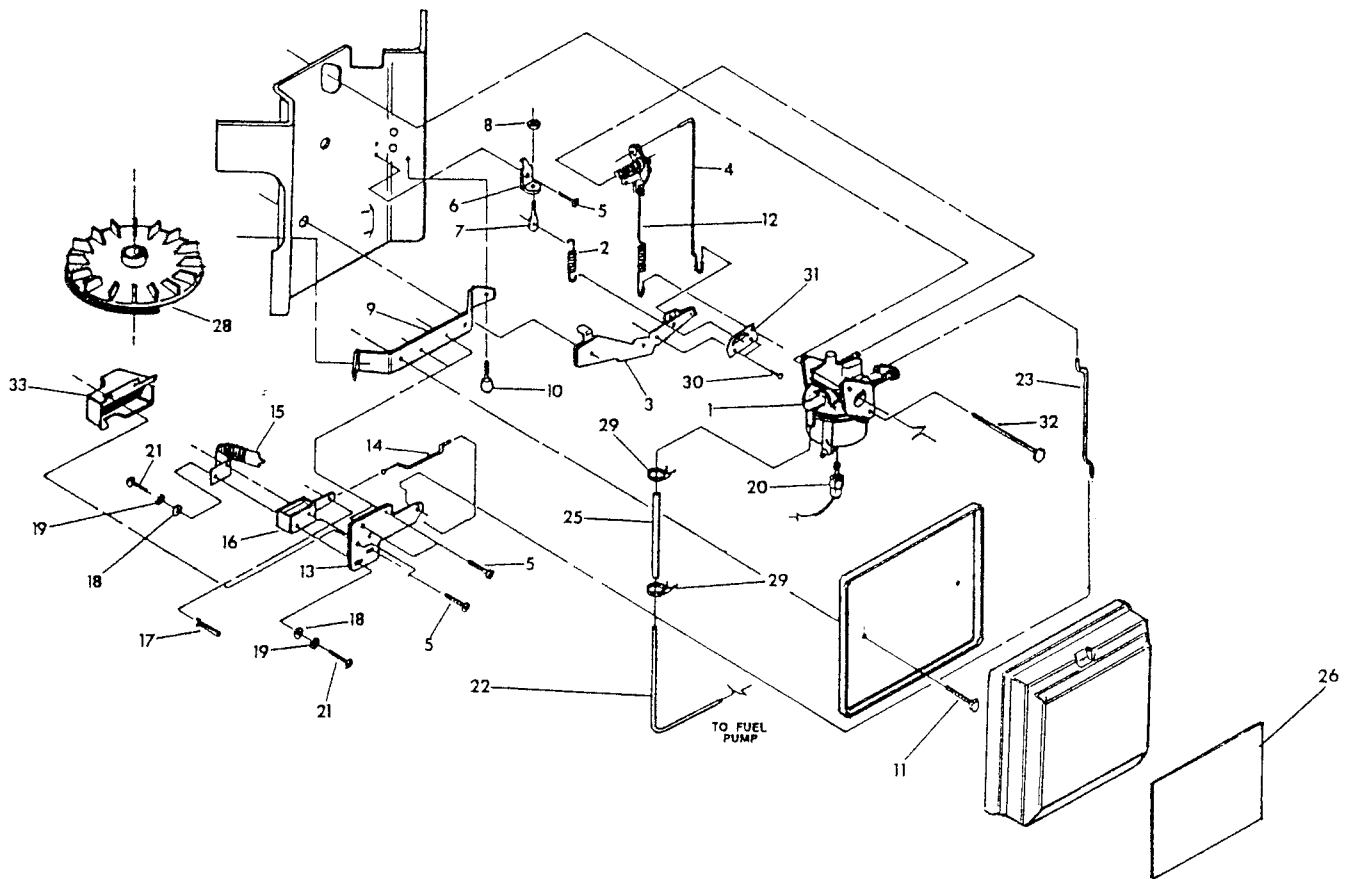
REPAIR PARTS — ALTERNATOR & PANEL

Drawing No. 92118

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	75995	1	Lower Bearing Carrier	34	86317	1	Panel Support Bracket
2	77004-G	1	Rotor Assembly	35	75235	4	M5-0.8 x 30mm Capscrew
3	87845-G	1	Stator Assembly	36	82737	4	Vibration Mount
4	73159	1	Ball Bearing	37	49813	4	M6 Hex Nut
5	31971	1	Ball Bearing	38	49815	1	M5-0.8 x 16mm Capscrew
6	72379	1	Upper Bearing Carrier	39	43182	2	M3 Lock Washer
7	77006	4	Stator Stud	41	54502	1	3A Circuit Breaker
8	52858	8	M8-1.25 Flange Lock Nut	42	67444	1	M5 Shakeproof Washer
9	66386	1	Brush Holder	43	83049	1	Voltage Regulator
10	66849	2	M5-0.80 x 15mm	44	49226	6	M5 Lock Washer
11	27756	4	Nylon Washer	45	51716	4	M5-0.80 Hex Nut
12	86314	1	Generator Top Housing	46	90145	1	30A Circuit Breaker
13	75234	1	Resistor	47	90145	1	30A Circuit Breaker
14	22473	3	Flat Washer	48	25105	4	No. 6-32 Screw with lock washer
15	22097	5	M6 Lock washer	49	86315	1	Panel Cover
16	74095	1	M6-1.00 x 60mm Capscrew	50	90734	4	M4-0.7 x 16mm Capscrew and Flat Washer
17	90141	2	Ground Cable	51	22985	1	M4 Flat Washer
18	22447	1	Shakeproof Lock Washer	52	32300	1	Fuse Holder
19	74906	4	M6-1.00 x 20mm Screw	53	22676	1	15 Amp Fuse
20	92234	1	Controller Circuit Board	54	87798	1	Start/Stop Switch
21	10-74260	1	Starter Cable	55	92113	1	Fuel Pump Switch
22	22129	2	5/16" Lock Washer	56	75210-A	1	Terminal Block
23	22259	2	5/16"-18 Hex Nut	57	23365	1	M4 Shakeproof Washer
24	86316	1	Panel Sheet Metal	58	51715	1	M4-0.7 Hex Nut
25	53650	1	4-pin Connector	59			NOT USED ON THIS UNIT
26	91915	1	Connector	60	90157	1	Decal — C.B. Rating 30 Amp
27	75244	1	Remote Harness	60			NOT USED ON THIS UNIT
28	66476	2	M6-1.0 x 12mm Capscrew with lock washer	61	89438-B	1	Customer Connection Decal
29	56739	1	Starter Contactor	62	31791	1	Hose Clamp
30	75476	3	M4-0.7 x 16mm Capscrew	63	23897	1	M5 Flat Washer
31	22264	4	M4 Lock Washer	64	74908	1	M5 x 10mm Taptite Screw
32	97939	1	Battery Charge Rectifier	65	23484-S	1	Bushing
33	90987	2	M3-0.5 x 15mm Capscrew	66	75763	1	Battery Cable Boot

EXPLODED VIEW — CARBURETOR AND AIR CLEANER

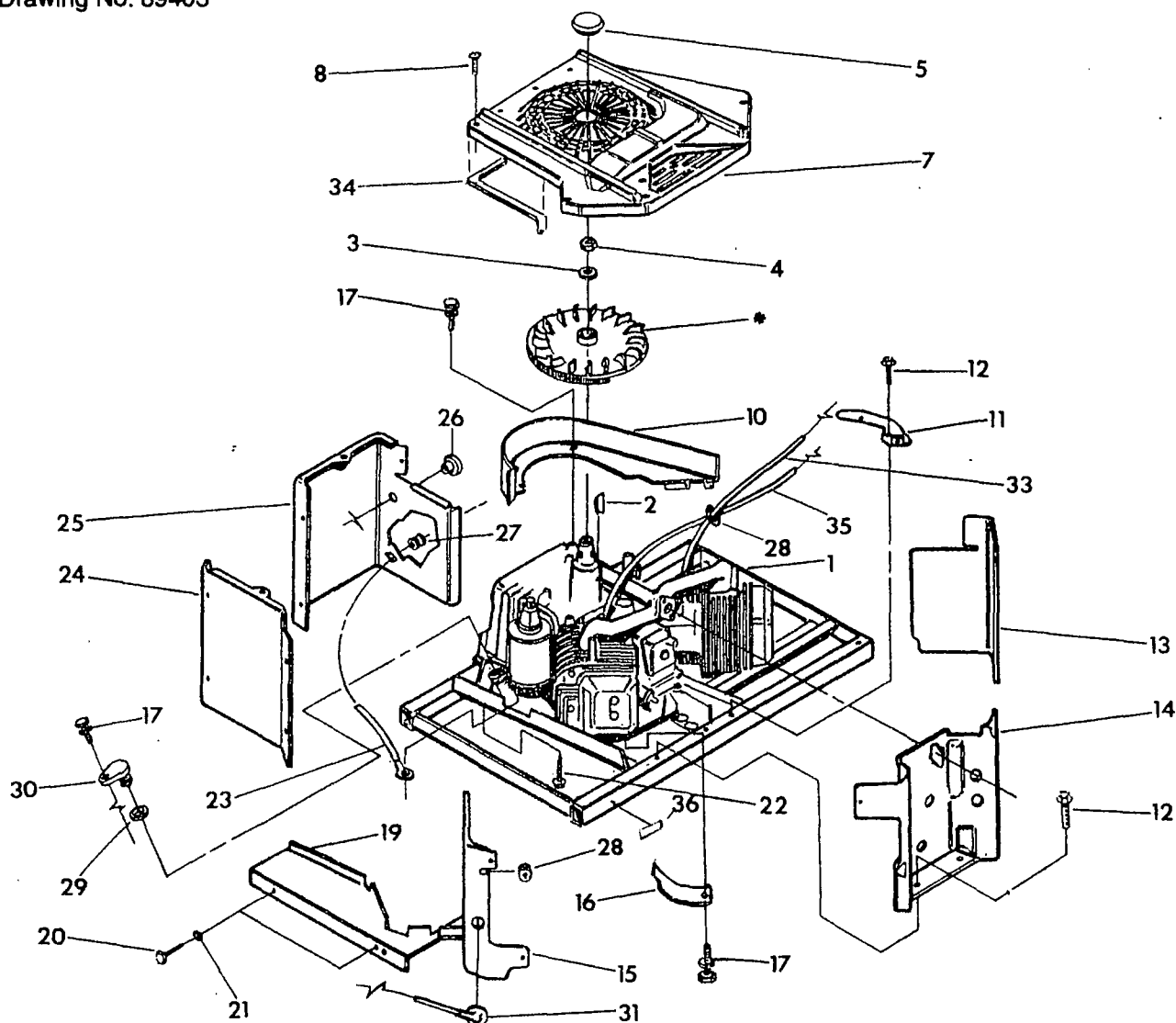
Drawing No. 93753



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	73112B	1	Carburetor Assembly	18	31879	4	No. 4 Flat Washer
2	74962-C	1	Governor Spring	19	22159	4	No. 4 Lock Washer
3	70155	1	Governor Lever	20			NOT USED WITH THIS UNIT
4	70108	1	Governor-to-Carburetor Rod	21	72536	2	No. 4-40 x 1/4" Screw
5	56893	5	No. 10-24 x 1/2" Screw	22	87770	1	5/16" dia. Fuel Line
6	74961	1	Governor Adjuster Bracket	23	74946	1	Choke Link
7	47227	1	Governor Adjuster Screw	25	47662-T	1	4-1/2" long Fuel Hose
8	37398	1	Hex Lock Nut (nylon)	26	91351	1	Air Cleaner Decal
9	73131	1	Air Cleaner Support Bracket	27	75252	1	Carburetor Overhaul Kit
10	66476	2	M6-1.0 x 12mm Hex Screw	28	73130	1	Flywheel Assembly
11	70575	2	M6-1.0 x 25mm Hex Screw	29	40173	2	Hose Clamp (screw type)
12	70125	1	Anti-Lash Spring	30	66829	2	1/8" dia. x 1/8" long Rivet
13	73374	1	Choke Support Bracket	31	75944	1	Governor Spring Bracket
14	74947	1	Choke Control Rod	32	70594	2	M6-1.0 x 93mm Capscrew with washer
15	89473	1	Bimetal Choke Assembly	33	77075	1	Choke Coil Cover
16	91306	1	Choke Solenoid				
17	77091	1	Cotter Pin				

EXPLODED VIEW — ENGINE SHEET METAL

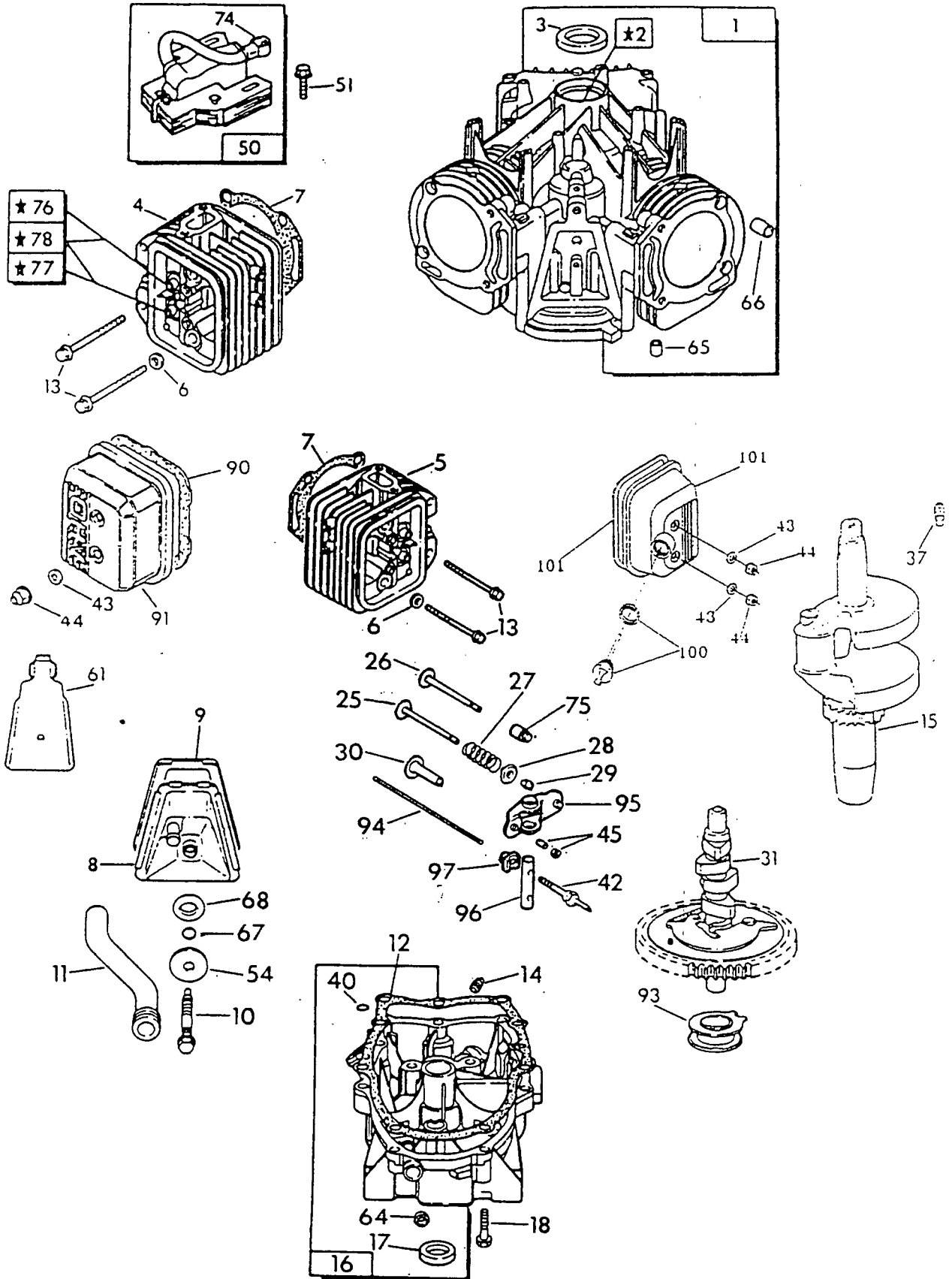
Drawing No. 89403



ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	---	---	1	21	22129	2	M8 Lockwasher
2	67877	1	6 x 25 Woodruff Key	22	75246	4	3/8"-16 x 1-1/4" Screw
3	67198-N	1	Belleville Washer	23	10-74260	1	No. 16 Wire Assembly
4	67890	1	M20-1.50 Hex Nut	24	74900	1	Starter Cover
5	87865	1	Flywheel Access Plug	25	73186	1	Crankcase Wrapper
7	86313	1	Engine Housing Top	26	81108	1	Snap Bushing
8	56893	23	No. 10-24 x 3/8" Screw	27	22717-B	1	Rubber Grommet
10	87750	1	Flywheel Scroll	28	22717-A	2	Rubber Grommet
11	74916	1	No. 2 Base Cover	29	67866	1	O-ring
12	74908	9	M5 x 10mm Taptite Screw	30	77001	1	Oil Fill Plug
13	73190	1	No. 2 Cylinder Wrapper	31	73132	2	Spark Plug Boot
14	78858	1	Valley Cover	33	87858A	1	Ground Wire Assembly #2 cylinder
15	78859	1	No. 1 Cylinder Wrapper	34	29289	2 ft.	Foam Tape
16	74902	2	Wrapper — Barrel	35	87858B	1	Ground Wire Assembly #1 cylinder
17	66476	2	M6-1.00 x 12mm Capscrew with lock washer	36	50277	1	Oil Drain Decal
19	73191	1	No. 1 Base Cylinder Cover				
20	42907	2	M8-1.25 x 16mm Capscrew				

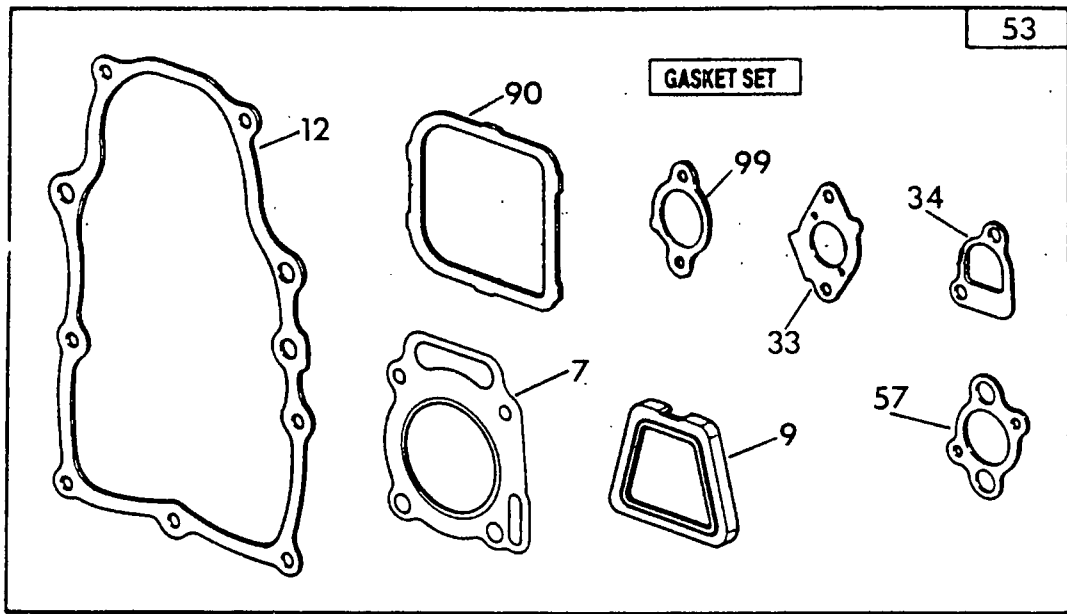
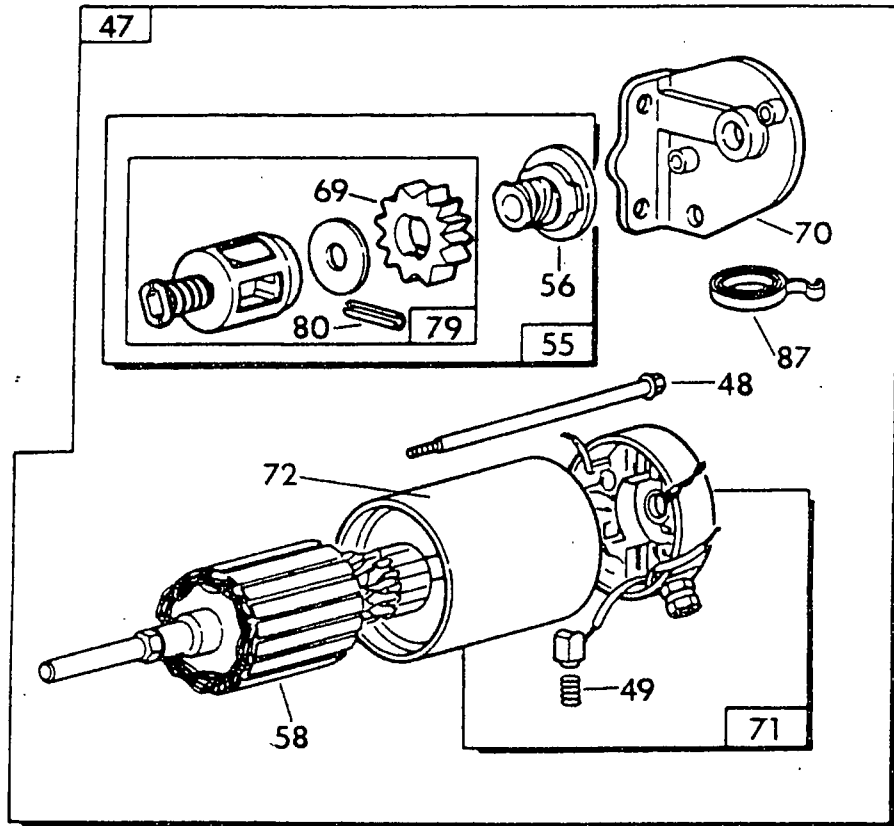
EXPLODED VIEW — GN ENGINE PARTS

Drawing No. 79216



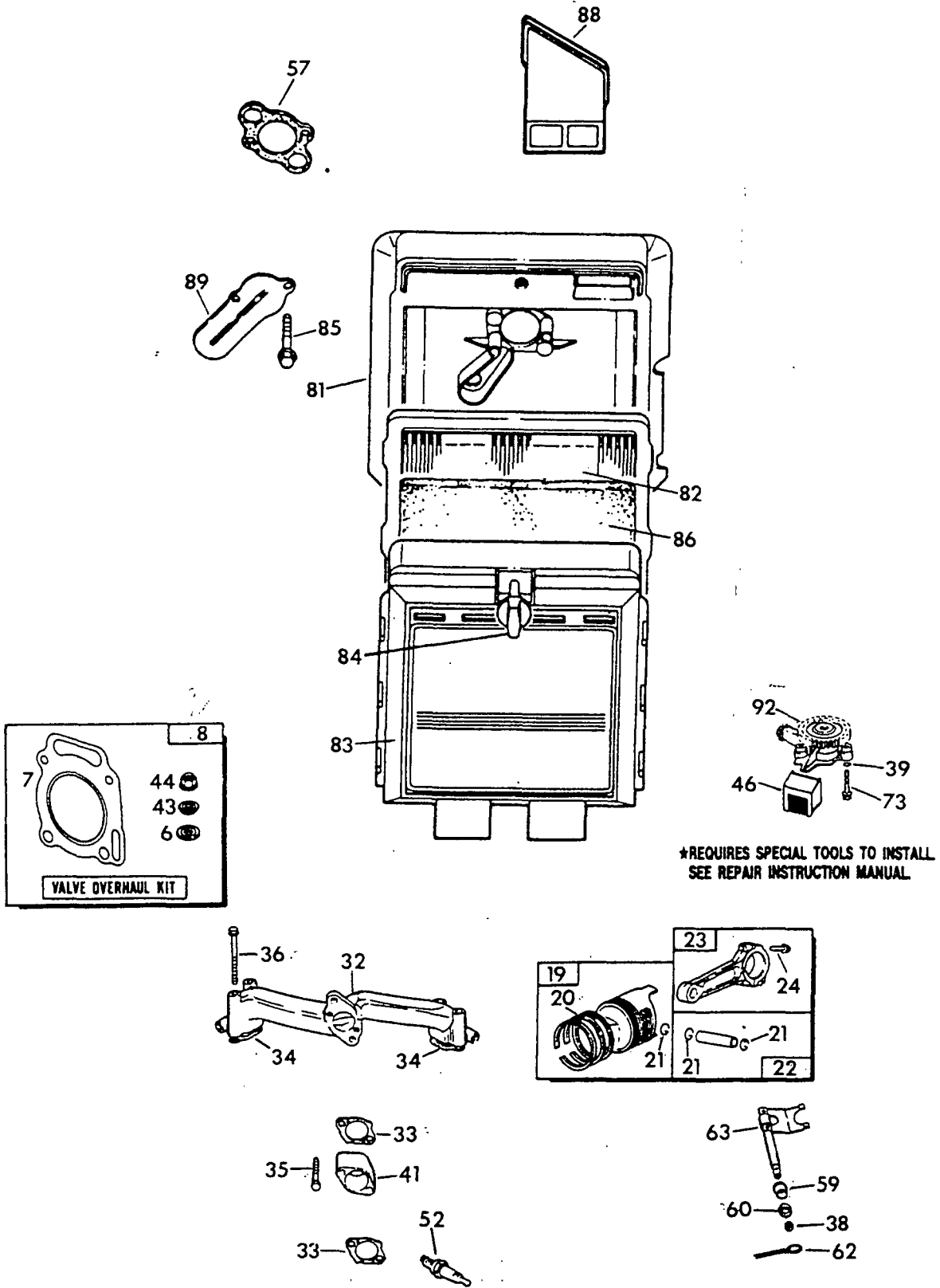
EXPLODED VIEW — GN ENGINE PARTS

Drawing No. 79216



EXPLODED VIEW — GN ENGINE PARTS

Drawing No. 79216



REPAIR PARTS LIST — GN-480 ENGINE

Drawing No. 79216

ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	69331	1	Cylinder Assembly	51	72536	2	Ignition Armature Screw
2	69333	1	Sleeve Bearing	52	72347	2	R12YC Champion Spark Plug
3	67805	1	Oil Seal	53	75258	1	Engine Gasket Kit
4	79234	1	No. 1 Cylinder Head Assem.	54	75259	1	Breather Screw Washer
5	79235	1	No. 2 Cylinder Head Assem.	55	75260	1	Starter Drive Assembly
6	70169	4	Sealing Washer	56	75261	1	Clutch Assembly
7	69332	2	Cylinder Head Gasket	57	66480	1	Air Cleaner Gasket
8	72301	1	Breather Assembly	58	75269	1	Armature Assembly
9	72315	1	Breather Gasket	59	72361	1	Governor Shaft Bushing
10	70190	2	Breather Screw	60	72362	1	Governor Shaft Bushing
11	70596	1	Breather Tube	61	70199	1	Breather Baffle
12	69336	1	Oil Sump Gasket	62	72366	1	Cotter Pin
13	69325	8	Cylinder Head Bolt	63	72367	1	Governor Fork
14	67888	2	3/8" NPT Oil Drain Plug	64	72365	1	Governor Shaft Washer
15	72334	1	Crank Shaft Assembly	65	68555	2	Crankcase Dowel
16	75247	1	Oil Sump Assembly	66	67806	4	Cylinder Head Dowel
17	67924	1	Oil Seal Assembly	67	75262	1	Breather Seal Screw
18	67878	9	Oil Sump Bolt	68	75263	1	Breather Seal Screw
19	75248	2	Standard Piston Assembly	69	75264	1	Starter Gear
20	75249	2	Standard Piston Ring Set	70	75265	1	Starter End Cap Assembly
21	69327	4	Piston Locking Ring	71	75266	1	Commutator Cap Assembly
22	75250	2	Standard Piston Ring	72	75267	1	Starter Housing Assembly
23	75251	2	Connecting Rod Assembly	73	68572	2	Oil Pump Screw
24	72346	4	Connecting Rod Bolt	74	75272	2	Spark Plug Terminal
25	69316	2	Exhaust Valve	75	70122	2	Valve Stem Seal
26	69317	2	Intake Valve	76	67910	2	Intake Valve Seat
27	67816	4	Valve Spring	77	67911	2	Exhaust Valve Seat
28	69320	4	Valve Spring Retainer	78	67813	4	Valve Guide
29	70513	4	Valve Keeper	79	75268	1	Retainer and Pin
30	70584	4	Valve Tappet	80	75270	1	Roll Pin
31	70530	1	Camshaft Assembly	81	70592	1	Air Cleaner Base
32	72358	1	Intake Manifold	82	73123	1	Air Filter
33	69379	2	Carburetor Mounting Gasket	83	70593	1	Air Cleaner Cover
34	67895	2	Intake Manifold Gasket	84	72300	1	Air Cleaner Cover Screw
35	70594	2	Carburetor Mounting Bolt	85	67156	2	Air Cleaner Base Screw
36	67158	4	Intake Manifold Mounting Bolt	86	69341	1	Foam Pre-cleaner
37	68574	1	1/8" NPT Plug Pipe	87	80011	1	Brush Set Spring
38	68554	1	Governor Shaft Seal	88	70597	1	Air Inlet Tube
39	68573	1	Oil Pump O-ring	89	69358	1	Breather Deflector
40	70506	1	Oil Galley O-ring	90	67920	2	Valve Cover Gasket
41	70554	1	Carburetor Spacer	91	69328	2	Valve Cover
42	70568	4	Rocker Arm Stud	92	70547	1	Oil Pump Assembly
43	75253	4	Washer Valve Cover Seal	93	70536	1	Governor Slider
44	67885	4	M6 Nylon Nut	94	70577	4	Push Rod
45	75254	4	Valve Adjust Screw	95	70599	4	Rocker Arm Assembly
46	70535	1	Oil Screen	96	70567	2	Rocker Arm Shaft
47	75255	1	Starter Motor	97	70566	4	Rocker Arm Support
48	75256	2	Starter Motor Bolt	98	75271	1	Valve Overhaul Kit
49	75257	4	Brush Assembly	99	67897	2	Exhaust Gasket
50	67891	1	Ignition Armature Assembly	100	91481	1	Gasket and Cap Assembly
				101	91480	1	Rocker Arm Cover