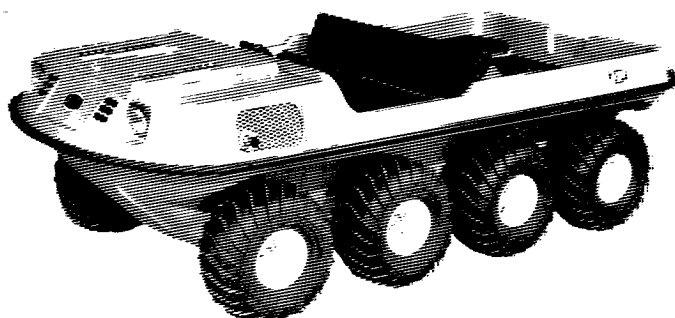




6WD 8WD



ARGO

VANGUARD Parts Manual

**Model No. V892-22
V692-22**

Foreword

ODG has prepared this parts manual for the 6 VANGUARD and 8 VANGUARD Models to assist both qualified mechanics and vehicle owners in ordering correct quality replacement ARGO parts.

Proper and regular service, and replacing old, worn or broken parts with the correct ARGO replacement parts, are both essential to prolonging the life of the ARGO. Please refer to this parts manual before ordering any replacement part.

All information contained in this VANGUARD Parts Manual is based on the latest product specification available at time of printing. If your 6 VANGUARD or 8 VANGUARD differs from the specifications contained in this manual, contact Ontario Drive & Gear Ltd. for information.

ODG reserves the right to alter specifications on the S & SB Models at any time without obligation or prior notification.

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Model Identification

8 VANGUARD - Model No. V892-22

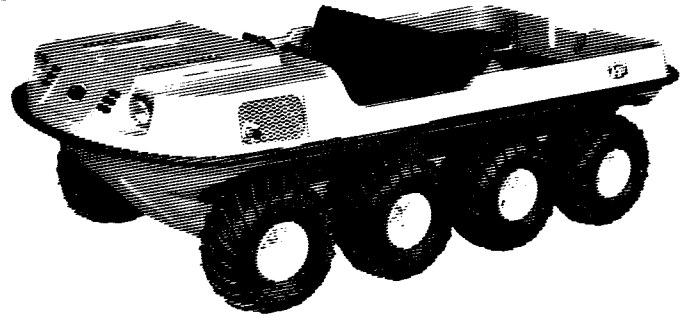
6 VANGUARD - Model No. V692-22

Explanation of Parts Manual Format

- Ref. No. between Assembly Illustration and Component Parts List
- Argo replacement part number for identification and re-ordering

Description - Part Description for identification and re-ordering

Quantity - Indicates the quantity of a part used in an Assembly



Using the Parts Manual

1. Find the major vehicle assembly in the Table of Contents on this page, and turn to that section.
2. Locate the part in the illustration that you wish to order.
3. Refer to the parts list in that section.
4. Find the correct part number (Part), part description (Part Description) and correct quantity (Qty.)
5. Use **only** this information to order ARGO replacement parts. **DO NOT** attempt to order a replacement part by Ref number or Page number.

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6. **Unless otherwise stated** in either the Group Parts List or Diagram, all parts references apply to both the 8 VANGUARD AND 6 VANGUARD Models.

1.0 Transmission

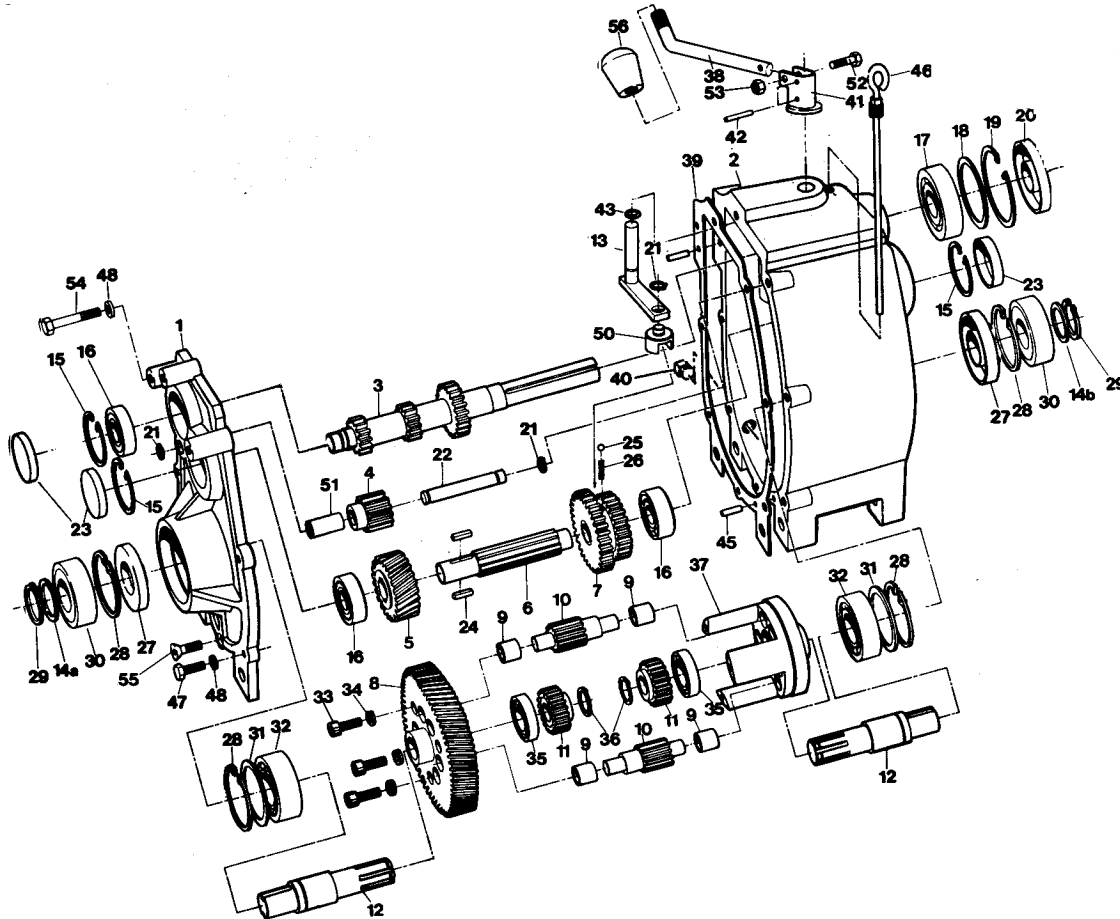


Fig. 1 Diagram of the Transmission Assembly

1.0 Transmission

Ref	Part	Part Description	Qty.	Ref	Part	Part Description	Qty.
▪	610-17	GA Transmission, does not include Refs 38, 52, 53, & 56; uses Refs 5a & 8a		31	114-01	Shim washer, .020" thick	2
▪	610-17	HA Transmission, does not include Refs 38, 52, 53, & 56; uses Refs 5b & 8b		32	101-03	Bearing, 6207	2
				33	103-04	SHCS, 5/16-18 x 1 "	3
				34	108-02	HC Lockwasher, 5/16 "	3
				35	101-15	Bearing, 6005	2
				36	107-04	Retaining Ring, ID .910 "	2
				37	34-08	Cage, Aluminum	1
				38	610-67	Shift Lever Rod	1
				39	34-47	Cover Gasket, .015 " thick	1
				40	103-02	Plug, Magnetic 3/8-18 NPT.	1
1	34-68	Side Cover, Aluminum	1	41	34-86	Shift Lever Holder Assembly	1
2	34-69	Housing, Aluminum	1	42	111-01	Spirol Pin, 5/32 x 1"	2
3	34-21	Input Shaft, 13/ 21 T	1	43	113-01	O-Ring#12, .070 " thick	1
4	34-16A	Reverse Idler 13 T , incl Ref.5	1	44	105-02	Bushing, Oilite, 1" Lg.	1
5a	34-44	Helical Gear, 21 T (GA)	1	45	104-03	Dowel Pin, 1/4 x 3/4 " long	2
5b	34-40	Helical Gear, 26 T (HA)	1				
6	34-04	Spline Shaft, double speed	1	46	34-31	Dipstick	1
7	34-18	Double Gear, 33/ 26 T	1	47	103-06	HHCS, 5/16-18 x 1 "	4
8a	34-45	Gear plate, helical, 76 T (GA)	1	48	108-05	Lockwasher, 5/16 "	7
8b	34-43	Gear plate, helical, 71 T (HA)	1				
9	105-03	Oilite bushing 3/4" Lg.	12	50	34-63	Shift Yoke	1
10	34-13	Planet Gear, 12 T, OD 1.130"	6	51	105-05	Oilite Bushing, 1-1/2" Lg. in Ref.4	1
11	34-14	Sun Gear, 21 T, OD 1.880"	2	52	103-97	HHCS 1/4-20 x 1-1/4 "	1
12	34-81	Output Shaft	2	53	117-27	Nylon Locknut, 1/4-20	1
13	34-65	Shifting Sub-assembly	1	54	103-55	HHCS, 5/16-18 x 2-3/4 " long	3
14a	114-04	Shim washer, .040" thick	2	55	103-95	FHMS, 5/16-18 x 1 "	1
14b	114-05	Shim washer, .020" thick	2				
15	106-01	Retaining ring, OD 2.054 "	3	56	126-38	Shift Knob	1
16	101-01	Bearing, 62042	3				
17	101-16	Bearing, 6206	1				
18	114-02	Shim Washer, OD 2.4219 "	1				
19	106-05	Retaining ring, OD 2.702 "	1				
20	102-05	Oil seal, 30 x 62 x 10mm	1				
21	107-05	Retaining ring, ID 0.461 "	3				
22	34-11	Dowel pin, 1/2 x 3-1/2 " long	1				
23	31-07	Plug plate, 18 Gauge steel	3				
24	110-02	Key, 3/16 x 3/16 x 7/8 " long	2				
25	109-03	Carbon steel ball, 7/32 "	1				
26	34-32	Spring, 7/32 " dia. x 1/2" long	1				
27	102-03	Oil seal, 30 x 72 x 10mm	2				
28	106-03	Retaining ring, OD 3.121 "	4				
29	107-02	Retaining ring, ID 1.098"	2				
30	101-05	Sealed bearing, 6306-2NSL	2				

2.0 Exhaust System

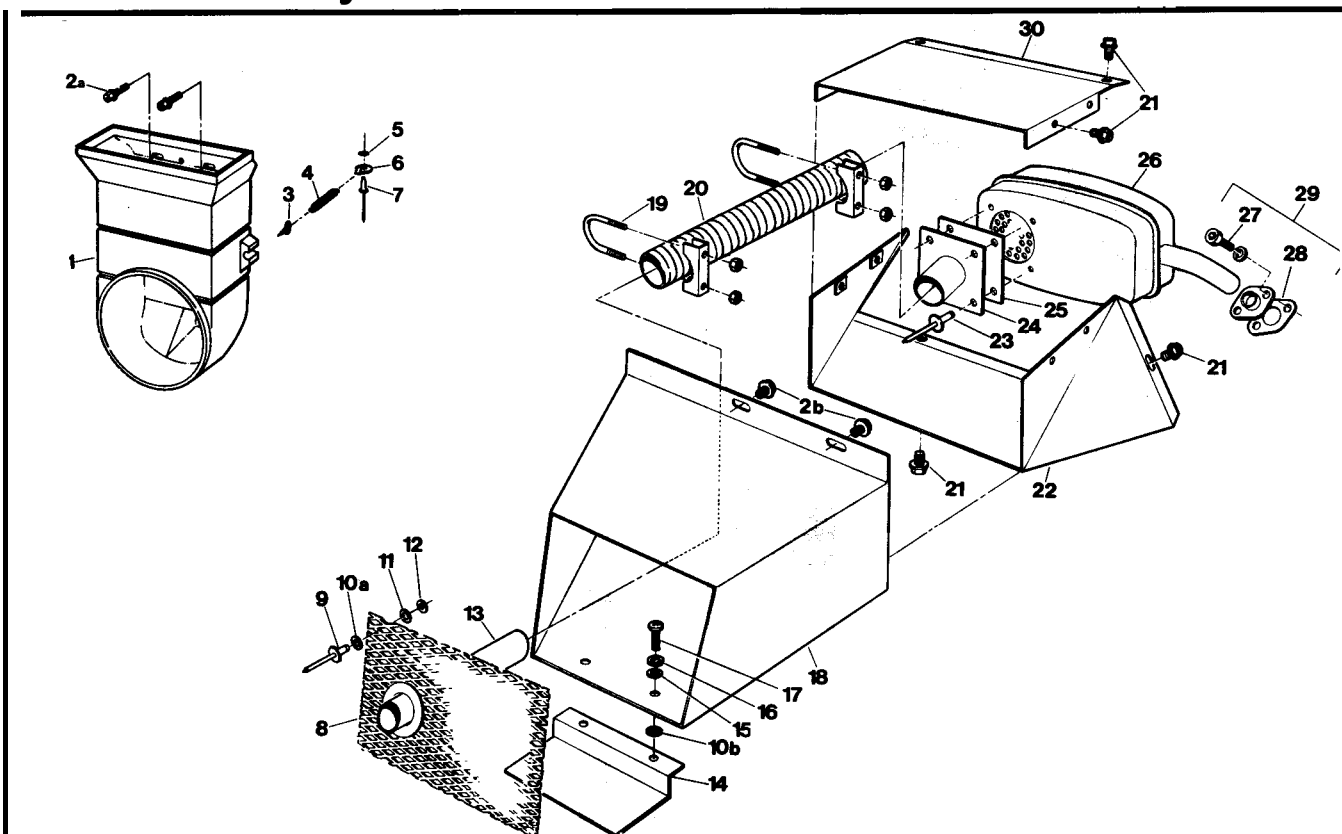


Fig. 2 Diagram of the Exhaust System Assembly

3.0 Clutch System

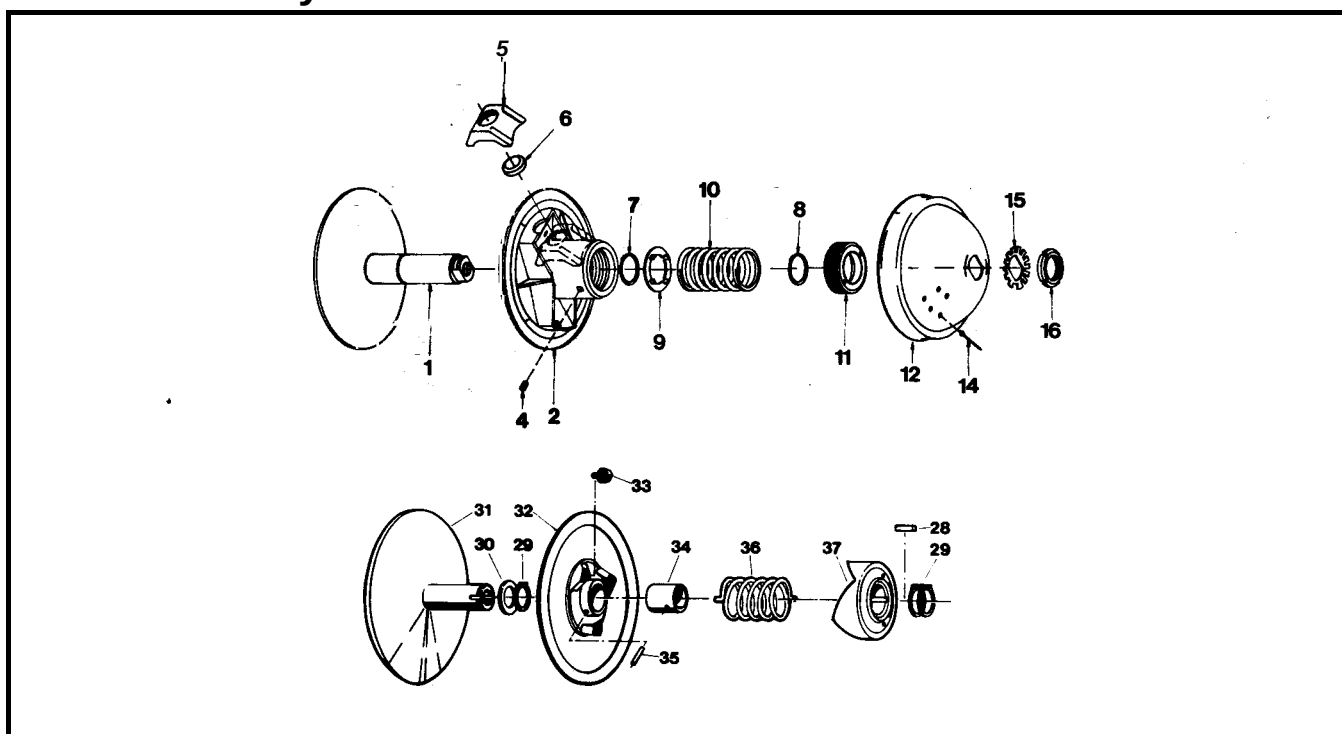


Fig. 3 Diagram of the Driven and Driver Clutch Assemblies

2.0 Exhaust System

Ref	Part	Part Description	Qty.	Ref	Part	Part Description	Qty.
1	603-51	Air Intake Duct, Plastic	1	15	125-58	Black Fibre Washer	2
2a	103-70	Thread Cutting Screw, 1/4-20	2	16	108-11	Lockwasher, 3/16	2
2b	103-70	x 1/2"	2	17	103-25	Screw, 10-24 x 3/4"	2
3	103-27	Screw eye, #8 x 1"	1	18	607-06	Air Exhaust Duct	1
4	126-01	Spring, 2-3/4"	1	19	100-98	Muffler Clamp, 1-1/2"	2
5	120-19	Spacer, 1/8" ID	1	20	607-32	Flex Tubing, 1-1/2" ID	1
6	126-02	Hook	1	21	103-11	HHCS, 1/4-20 x 1/2"	8
7	120-01	Rivet #48	1	22	607-07	Engine Air Duct	1
8	601-48	Exhaust Duct Screen	1	23	120-25	Rivet, steel	4
9	120-09	Rivet	4	24	607-09	Muffler Ex. Outlet	1
10a	125-59	Grey Fibre Washer	4	25	607-12	Muffler Outlet Gasket	1
10b	125-59		2				
11	108-08	SAE Washer, 1/4"	4	26	394200	Muffler	1
12	120-05	Spacer, 3/16	4	27	93415	Screw, see No. 29	4
13	607-80	Tail Pipe, 1-1/2" OD	1	28	271174	Gasket, see No. 29	2
14	607-81	Exhaust Duct Brkt.	1	29	393483	Adapter Ass'y, incl. 27 & 28	2
				30	607-08	Air Duct Cover	1

3.0 Clutch System

Ref	Part	Part Description	Qty.	Ref	Part	Part Description	Qty.
•	126-90	Driver Clutch, threaded bore, Type "B", incl. Refs 1 to 16		•	126-24	Driven Clutch, incl. Refs 28 to 34, 36, 37	
1	V010411F	Fixed Half Pulley	1	28	ASK-5	Key, 1/4 x 1/4 x 3/4 " long	1
2	V02F	Loose Half Pulley	1	29	ASR-6	Snap ring, .05 " thick	2
3	V03	Steel Slide	3	30	ASA-1	Adjustment Spacer, 1-1/2 " x 1-7/8 " x .050 "	4
4	V04	Lock Screw	1				
5	V05BMN	Domed Black Block	3				
6	V06200	Lead Slug, 200 gram	3	31	AFK1-250ODG	Fixed Half Pulley	1
7	V08	Retaining Ring	1	32	AMC2-250ODG	Loose Half Pulley	1
	V082	Belt Overshoot Retaining Ring	1	33	ANS2-B	Nylon Slider Shoe, black	3
9	V09	Shoulder Washer	1	34	'AMB-2	Bronze Bearing	1
10	101884375	Blue Spring, 4.375" long	1				
11	V111	Threaded Cap	1	36	ACS3-188	Spring, blue	1
12	V12038	Type "B" Model Cap	1	37	AFC-4	Two-Way Aluminum cam	1
14	V14	Pop Rivet	15				
15	V15	Lock Washer	1				
16	V16	Groove Nut	1				

4.0 Power Pack Assembly

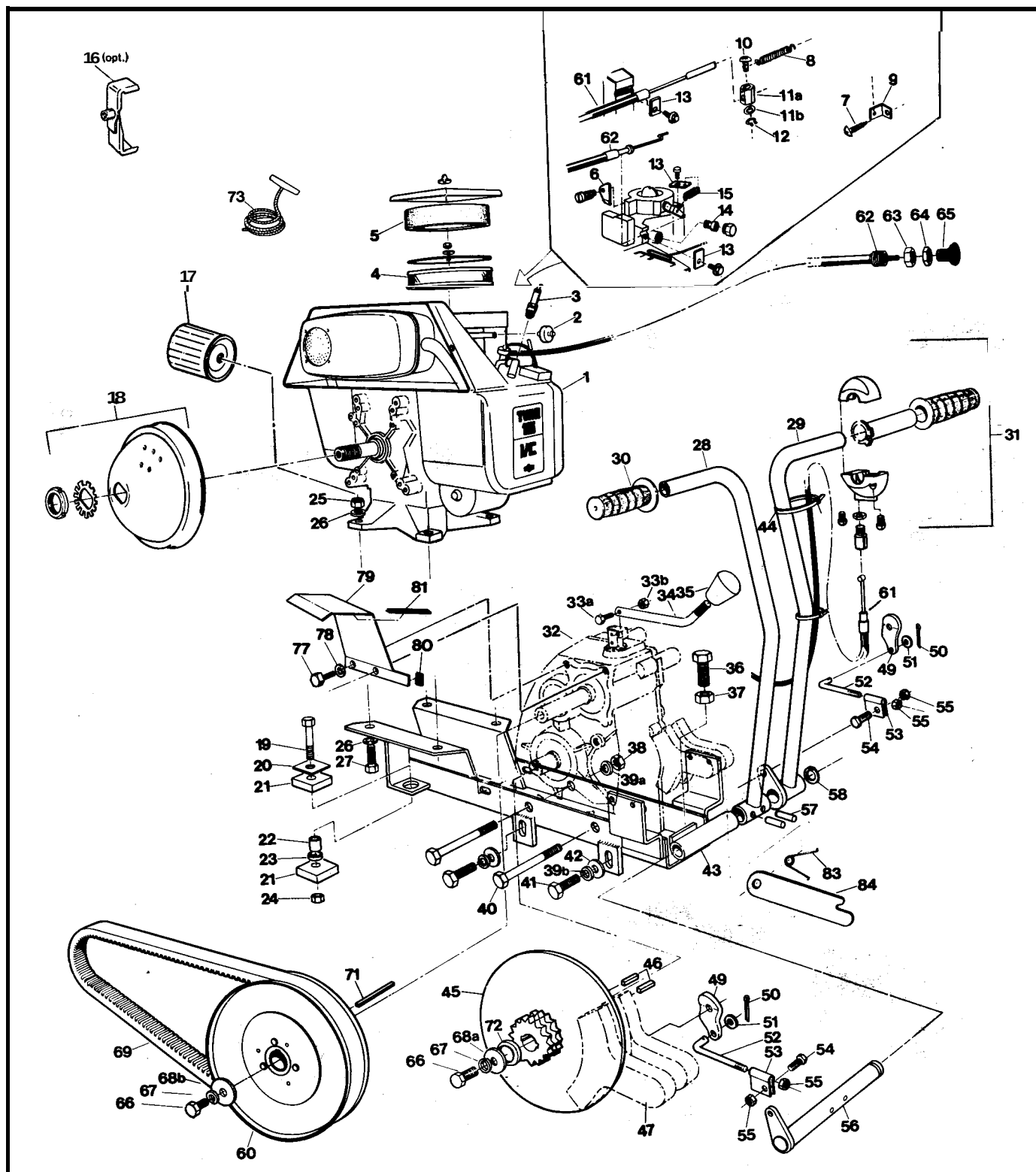


Fig. 4 Diagram of the Power Pack Assembly

4.0 Power Pack Assembly

Ref	Part	Part Description	Qty.	Ref	Part	Part Description	Qty.
1	126-82	B&S engine, 402447-1210-01, 16HP incl. Refs. 3 to 5, 10, 12, 14, 16	1	41	103-21	HHCS, 1/2-20 x 1-1/2"	4
2	125-64	Fuel Filter, replaces B&S filter	1	42	108-09	Flatwasher, 1/2 x 1-3/8"	4
3	126-30	Spark Plug, Champion RJ-12	2	43	611-33	Power Pack Frame	1
4	394018	Paper Filter	1	44	100-64	Tie Rap	2
5	271271	Foam Pre-cleaner	1	45	610-24	Brake Disc, 40 P - 2 x 15 T	2
6	222923	Throttle Restrictor	1	46	110-08	Key, 1/4 x 1/4 x 1-1/4"	4
7	103-48	Self-Tap Screw, #10 x 3/4"	1	47	100-72	Mechanical Brake Assembly	2
8	125-88	Throttle Return Spring	1	49	612-88	Brake Cam (V690; V890)	2
9	610-71	Throttle Retainer Clip	1	50	100-03	Cotter Pin, 3/32 x 3/4	2
10	103-64	Screw, 8-32 x 5/16"	1	51	108-24	SAE Washer, 5/16	2
11a	126-03	Swivel Retainer	1	52	612-21	Brake Adjusting Rod, 5/16-24	2
11b	108-49	Swivel Retainer Washer, 3/8"	1	53	612-20	Steering Rod Clamp	2
12	107-06	Retaining Ring	1	54	103-46	HHCS, 5/16-24 x 1"	2
13	601-86	Retainer Clip	3	55	117-04	Nylon Locknut, 5/16-24	4
14	231339	Carb Jet, replaces normal Jet	1	56	612-81	Steering Shaft Assembly	1
15	126-26	Choke Return Spring	1	57	111-04	Spirol Pin, 5/16 x 1-1/4"	2
16	658-13	Oil Filter Wrench (opt.)	1	58	107-01	Retaining Ring, 0.810" OD	1
17	126-95	Replacement Oil Filter	1	60	126-24	Driven Clutch	1
18	126-90	Driver Clutch , Type "B", 200g	1	61	612-62	Throttle Cable Assembly	1
19	103-19	HHCS, 3/8-24 x 2-1/2"	2	62	601-84	Inner & Outer Choke Cable	1
20	610-42	Hinge Plate, 2 x 2" x 13 ga.	2	63	117-45	Jam Nut, 1/2-20	1
21	125-65	Rubber Hinge, 1/2 x 2 x 2"	4	64	117-54	PAL Nut, 1/2-20	1
22	610-36	Mount Bushing, 9/16 x 1-1/8"	2	65	126-75	Choke Knob, plastic	1
23	202-24	Rubber Washer 1/4 x 9/16 x 1	2	66	103-17	HHCS, 3/8-16 x 1"	3
24	117-24	Nylon Locknut, 3/8-24	2	67	108-06	Lockwasher, 3/8"	3
25	117-21	Nylon Locknut, 5/16-18	4	68a	108-18	Washer 13/32 x 1-3/8" x 11 ga.	2
26	108-24	SAE Washer, 5/16	8	68b	108-46	Washer 13/32 x 1-3/8", Spec.	1
27	103-57	HHCS, 5/16-18 x 1-1/2" Gr. 5	4	69	125-56	Drive Belt, 52"	1
28	612-82	Steering Lever, LH	1	71	110-09	Key, 1/4 x 1/4 x 3"	1
29	612-83	Steering Lever, RH	1	72	108-45	Spacer, Brake Disc	2
30		Dummy Grip, as set with 31	1	73	69932	Starter Rope	1
31	100-57	Throttle Twist Grip, incl. 30	1	77	103-17	HHCS, 3/8-16 x 1"	2
32	610-17	Transmission, (GA)	1	78	108-26	Flat Washer, 3/8"	2
32	610-17	Transmission, (HA)	1	79	603-29	Belt Protection Guard	1
33a	103-97	HHCS, 1/4-20 x 1-1/4	1	80	601-92	Vinyl Trim 1.0"	1
33b	117-27	Locknut, 1/4-20	1	81	601-93	Vinyl Trim 4.25"	1
34	610-67	Shift Lever Rod	1	83	126-87	Parking Brake Spring	1
35	126-38	Shift Knob	1	84	612-80	Holding Brake Lever	1
36	103-87	HHCS, 1/2-20 x 2"	2				
37	117-45	Jam Nut, 1/2-20	2				
38	117-06	Hex Nut, 1/2-13	2				
39a	108-07	Lockwasher, 1/2"	2				
39b	108-07	Lockwasher, 1/2"	4				
40	103-20	HHCS, 1/2-13 x 6-1/2"	2				

5.0 Brake System

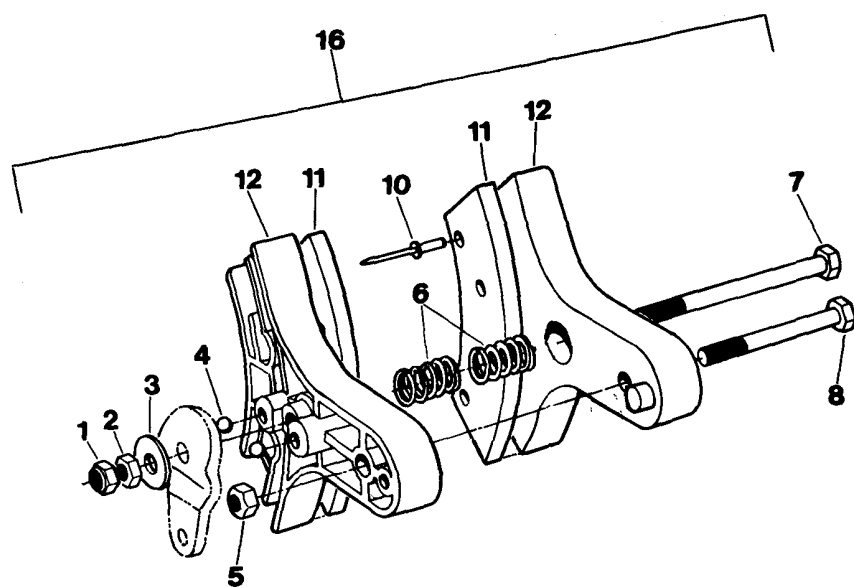


Fig. 5 Diagram of the Brake Assembly

5.0 Brake System

Ref	Part	Part Description	Qty.
1	117-13	Cone Locknut, 5/16-24	1
2	117-17	Jam Nut, 5/16-24	1
3	108-12	SAE Washer, 5/16 x 1 x 1/16	1
4	109-02	Carbon Steel Ball, 1/4" Dia.	2
5	117-46	Philidas Locknut, 5/16-24	1
6	100-10	Compression Spring	2
7	103-16	HHCS, 5/16-24 x 3-3/4"	1
8	103-29	HHCS, 5/16-24 x 2-3/4"	1
10	120-11	Rivet #56, used in Ref. 11	4
11	100-56	Brake Pads, set of 2	1
12	100-54	Brake Caliper	2
16	100-72	Brake Assembly Kit, includes Refs 1 to 12	1

6.0 Vehicle Body & Firewall

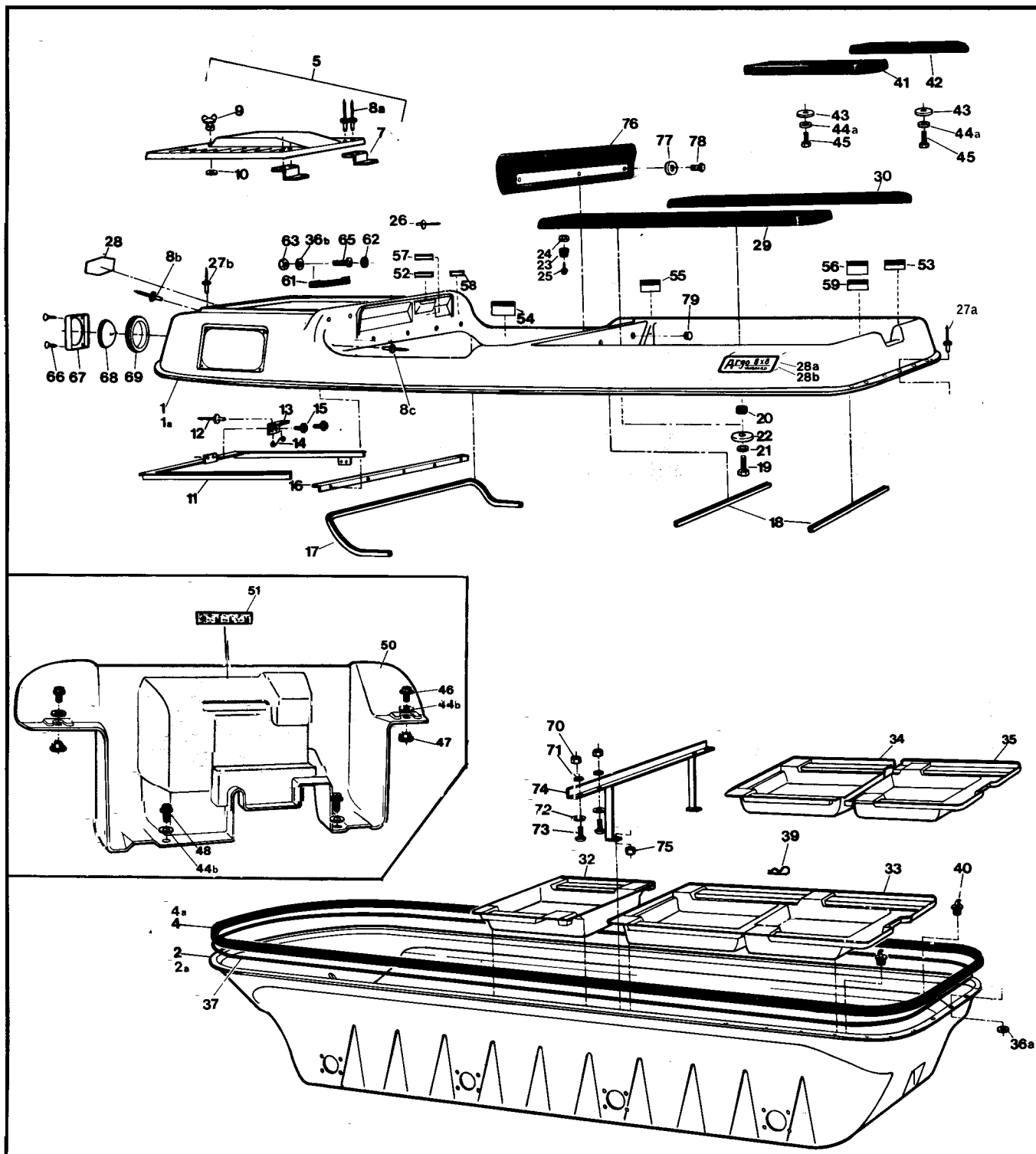


Fig. 6 Diagram of the Vehicle Body & Firewall

6.0 Vehicle Body & Firewall

Ref	Part	Part Description	Qty SB	Qty S	Ref	Part	Part Description	Qty SB	Qty S
1	801-38	8 VANGUARD Upper Body, specify colour	1		36a	120-05	Spacer, 3/16"	51	46
1a	601-81	6 VANGUARD Upper Body, specify colour		1	36b	120-05	Spacer, 3/16"	2	2
2	803-26	8 VANGUARD Lower Body, specify colour	1		37	126-60	PVC Vinyl Strip	1	1
2a	603-42	6 VANGUARD Lower Body, specify colour		1	39	100-16	Clevis Pin Clip	6	4
4	801-05	Vinyl Bumper, 8 Whl	1		40	100-18	Drain Plug	2	2
4a	601-05	Vinyl Bumper, 6 Whl		1	41	601-03	LH Rear Seat, 6 Whl		1
5	602-23	Hood Assembly, specify colour, incl 7, 8a, 9 & 10	1	1	42	601-02	RH Rear Seat, 6 Whl		1
7	602-15	Hood Bracket	2	2	43	603-15	Washer, plastic		2
8a	120-13	Rivet #66	4	4	44a	108-08	SAE Washer, 1/4"		2
8b	120-13	Rivet #66	12	12	44b	108-08	SAE Washer, 1/4"	4	4
8c	120-13	Rivet #66	5	5	45	103-08	HHCS 1/4-20 x 1"		2
9	126-10	Wing Stud	1	1	46	103-11	HHCS, 1/4-20 x 1/2"	1	1
10	126-09	Grommet, Aluminum	1	1	47	117-44	T-Nut, 1/4-20	2	2
11	601-83	Hood Support Assembly	1	1	48	103-72	Screw, 1/4-20 x 3/4"	2	2
12	120-15	Rivet #45	2	2	50	609-31	Firewall	1	1
13	601-69	Spring Plate	1	1	51	126-65	Shifting Plate	1	1
14	126-11	Spring	1	1	52	126-66	Steering Lever Plate	1	1
15	103-70	Cutting Screw, 1/4-20 x 1/2"	2	2	53	126-67	Floor Pan Plate	1	1
16	601-24	Dash Brace Assembly	1	1	54	126-68	Operation Plate	1	1
17	601-08	Vinyl Trim, Front, 84"	1	1	55	126-69	Fuel Plate	1	1
18	601-09	Vinyl Trim, Rear, 28"	2	2	56	126-70	Vehicle Capacity Plate	1	1
19	112-04	HHCS, 1/4-20 x 3/4"	4		57		Vehicle ID Plate	1	1
20	108-25	Washer, 114 x 1/16 x 3/4"	12		58		U.S. Plate, Non-U.S. Argos only	1	1
21	108-03	Lockwasher, 114"	4		59	126-80	Rear Compartment Plate		1
22	801-41	Seat Washer	4		60	126-73	French Decals, incl. 51 to 58, as set only	1	1
23	126-79	Bumper, black plastic, 718" OD	4		61	125-41	Dash Handle, incl. 62	1	1
24	120-05	Spacer, 3/16	4		62		Plug cap, used in 61	2	2
25	103-45	Pan Socket T/S #10-3/4"	4		63	117-10	Nylon Locknut, #10-24	2	2
26	120-24	Rivet #43, all plates	22	24	65	103-25	Screw, #10-24 x 3/4"	2	2
27a	120-09	Rivet, 3/16 x 1"	51	46	66	103-24	Phillips Screw, #6 x 1"	8	8
27b	120-09	Rivet, 3/16 x 1"	12	12	67	601-21	Headlight Rim	2	2
28	601-44	ARGO Name Plate, plastic	1	1	68	100-32	Headlamp	2	2
28a	601-97	"6x6 Vanguard" Name Plate	2	2	69	601-16	Headlight Moulding	2	2
28b	601-95	"8x8 Vanguard" Name Plate	2	2	70	117-03	Hex Nut, 5/16-18	4	4
29	801-03	LH Rear Seat, 8 Whl	1		71	108-05	Lockwasher, 5116	4	4
30	801-02	RH Rear Seat, 8 Whl	1		72	108-26	Plate Washer, 3/8"	4	4
32	803-02	Front Floor Pan, 8 Whl	1		73	103-13	C. Bolt, 5/16-18 x 1"	4	4
33	803-03	Rear Floor Pan, 8 Whl	1		74	803-11	Body Support	1	1
34	603-02	Front Floor Pan, 6 Whl		1	75	117-01	Nylon Locknut, 1/4-28	2	2
35	603-02	Rear Floor Pan, 6 Whl		1	76	601-27	Back Pad, 8 x 42-1/2"	1	1
					77	108-01	Fender Washer, 9/32"	3	3
					78	103-72	Screw, 1/4-20 x 3/4"	3	3
					79	125-45	Plug Cap, grey	3	3

7.0 Frame & Drive System

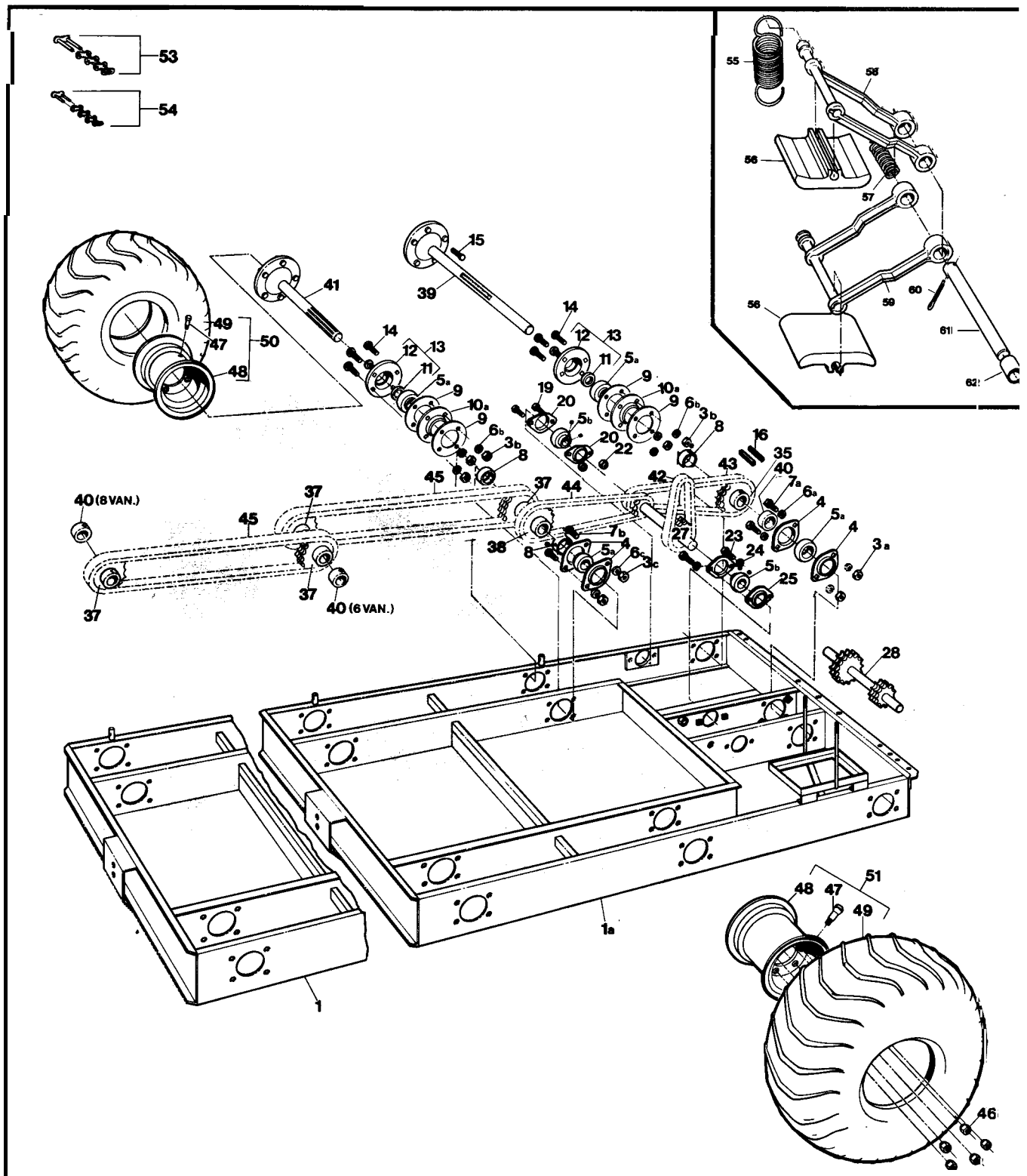


Fig. 7 Diagram of the Vehicle Frame & Drive System

7.0 Frame & Drive System

Ref	Part	Part Description	Qty. SB	Qty. S	Ref	Part	Part Description	Qty. SB	Qty. S
1	804-21	8 VANGUARD Vehicle Frame	1		35	605-84	Keyed Sprck't Ass'y 24-T	2	2
1a	604-70	6 VANGUARD Vehicle Frame		1	37	805-29	Splined Sprck't Ass'y 19-T	8	4
					38	605-85	Splined Sprck't Ass'y 24-T	2	2
3a	117-15	Hex Nut, 3/8-16	4	4	39	605-81	Keyed Front Axle Ass'y, incl. 15	2	2
3b	117-15	Hex Nut, 3/8-16	32	24	40	101-34	Locking Collar	4	4
3c	117-15	Hex Nut, 3/8-16	12	8					
4	101-13	Inner Brg Flange 1-1/4"	16	12	41	810-31	Splined Mid/Rear Axle Ass'y, incl. 15	6	4
5a	101-29	Bearing, 1-1/4", incl. 8	16	12	42	603-24	Idler Chain, RC40-2 x 48P, incl. 54	2	2
5b	101-30	Bearing, 1"	4	4	43	603-19	Front Chain, RC50-2 x 44P, incl. 53	2	2
6a	108-06	Lockwasher, 3/8"	4	4	44	603-20	Mid Chain, RC50-2 x 70P, incl. 53	2	2
6b	108-06	Lockwasher, 3/8"	32	24	45	603-21	Rear Chain, RC50-2 x 96P, incl. 53	4	2
6c	108-06	Lockwasher, 3/8"	12	8	46	117-35	Wheel Nut, 7/16-20	8 x 5	6 x 5
7a	103-17	HHCS, 3/8-16 x 1"	4	4	47	125-26	Tire Valve, see 48	8	6
7b	103-89	C. Bolt, 3/8-16 x 3/4"	12	8	48	125-15	Rim, 8 x 7 x 5 c/w 47	8	6
8		Locking Collar, see 5a			49	100-76G	Tire, 21", see 50 & 51	8	6
9	605-89	Outer Flange Gasket	16	12	50	125-20G	LH Wheel Ass'y, incl 48 & 49	4	3
10a	605-63	Outer Brg Flange 1-1/4"	8	6					
11	102-07	Gr. Seal, 1-1/4" see 11	8	6	51	25-21G	RH Wheel Ass'y, incl 48 & 49	4	3
12		Greaseable Flange	8	6	53	100-96	Connecting Link, RC50-2	8	6
13	605-68	Greaseable Flange Ass'y, incl. 11, 12	8	6	54	100-97	Connecting Link, RC40-2	2	2
14	103-36	C. Bolt, 3/8-16 x 1-1/2	32	24	55	125-61	Tensioner Spring	6 x 1	4 x 1
15	103-80	Wheel Stud, 7/16-20 x 1-1/8", see 20, 21	3 x 5	3 x 5	56	603-61	Slider Block, nylon	6 x 2	4 x 2
16	110-12	Sprocket Key	4	4	57	125-78	Spacer Spring	6 x 1	4 x 1
19	103-46	HHCS, 5/16-24 x 1"	4	4	58	603-77	Tensioner, Upper Arm	6 x 1	4 x 1
20	101-14	Flangette, 1", trimmed	4	4	59	603-76	Tensioner, Lower Arm	6 x 1	4 x 1
22	117-04	Nylon Locknut, 5/16-24	4	4	60	100-01	Cotter Pin, 1/8 x 1"	6 x 1	4 x 1
23	103-06	HHCS, 5/16-18 x 1"	4	4					
24	108-05	Lockwasher, 5/16	4	4	61	603-78	Pivot Pin, 1/2 x 6-3/8"	6 x 1	4 x 1
25	101-12	Flangette, 1"	4	4	62	603-66	Short Spacer, 5/8"	6 x 1	4 x 1
			2	2					
27	605-93	Idler Assembly, LH	1	1					
28	605-94	Idler Assembly, RH	1	1					

8.0 Fuel System

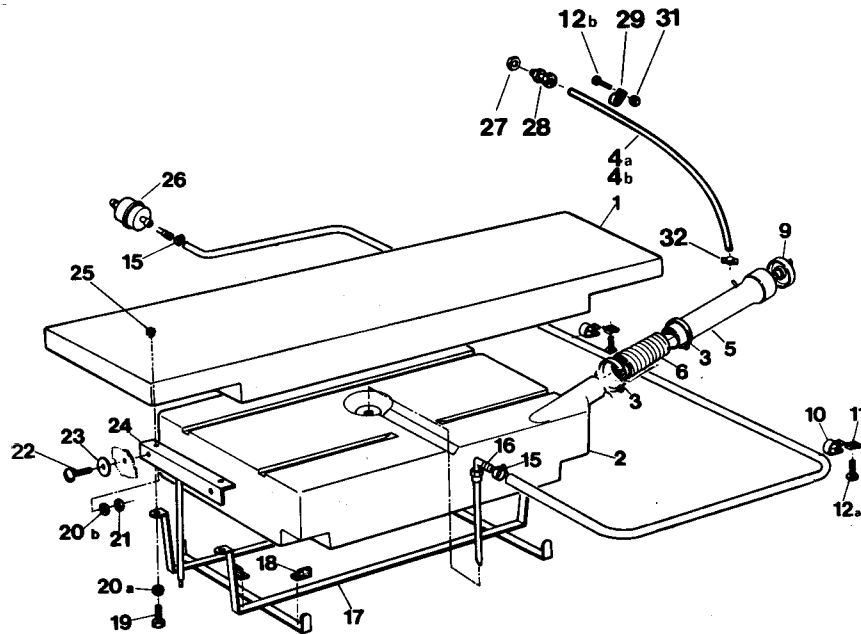


Fig. 8 Diagram of the Fuel System & Front Seat Assembly

8.0 Fuel System

Ref	Part	Part Description	Qty.	Ref	Part	Part Description	Qty
1	608-13	Bench Seat, incl. Ref. 25	1	16	608-28	Fuel Pickup Assembly	1
2	608-24	Fuel Tank, 32 litre	1	17	608-20	Fuel Tank Cage	1
3	100-12	Gear Clamp, 2-1/4"	2	18	702-06	Cushion	8
4a	126-49	Vent Hose, 1/4" x 110", 8 Whl	1	19	103-97	HHCS, 1/4-20x 1-1/4"	4
4b	126-77	Vent Hose, 1/4" x 86", 6 Whl	1	20a	108-03	Lockwasher, 1/4"	4
5	126-47	Fuel Neck Assembly	1	20b	108-03	Lockwasher, 1/4"	4
6	125-94	Filler Hose, 51mm ID x 5-7/8"	1	21	117-20	Hex Nut, 1/4-20	4
9	126-46	Fuel Cap, Pressure Vacuum	1	22	103-73	Screw, 1/4-20x 3/4"	4
10	125-48	Hose Clamp, 1/2" ID	3	23	108-01	Fender Washer, 9/32 x 1-3/16 x 0.031"	4
11	117-50	Spring Nut, #10-24	3	24	608-09	Seat Bracket	2
12a	103-25	Pan HD Screw, #10-24 x 3/4"	3	25	117-44	T-Nut, 1/4-20, used in Ref. 1	4
12b	103-25	Pan HD Screw, #10-24 x 3/4"	5	26	125-64	Fuel Filter, 1/4", G-1	1
14	608-27	Fuel Hose, 1/4" x 94"	1	27	117-54	PAL Nut, 1/2-20	1
15	100-70	Gear Clamp, 1/2" HF8	4	28	126-50	Male Connector, 1/4"	1
				29	126-51	Hose Clamp, nylon, 1/4"	5
				31	117-10	Locknut, #10-24	5
				32	126-62	Oetiker Clamp, 1 / 4	1

9.0 Electrical System

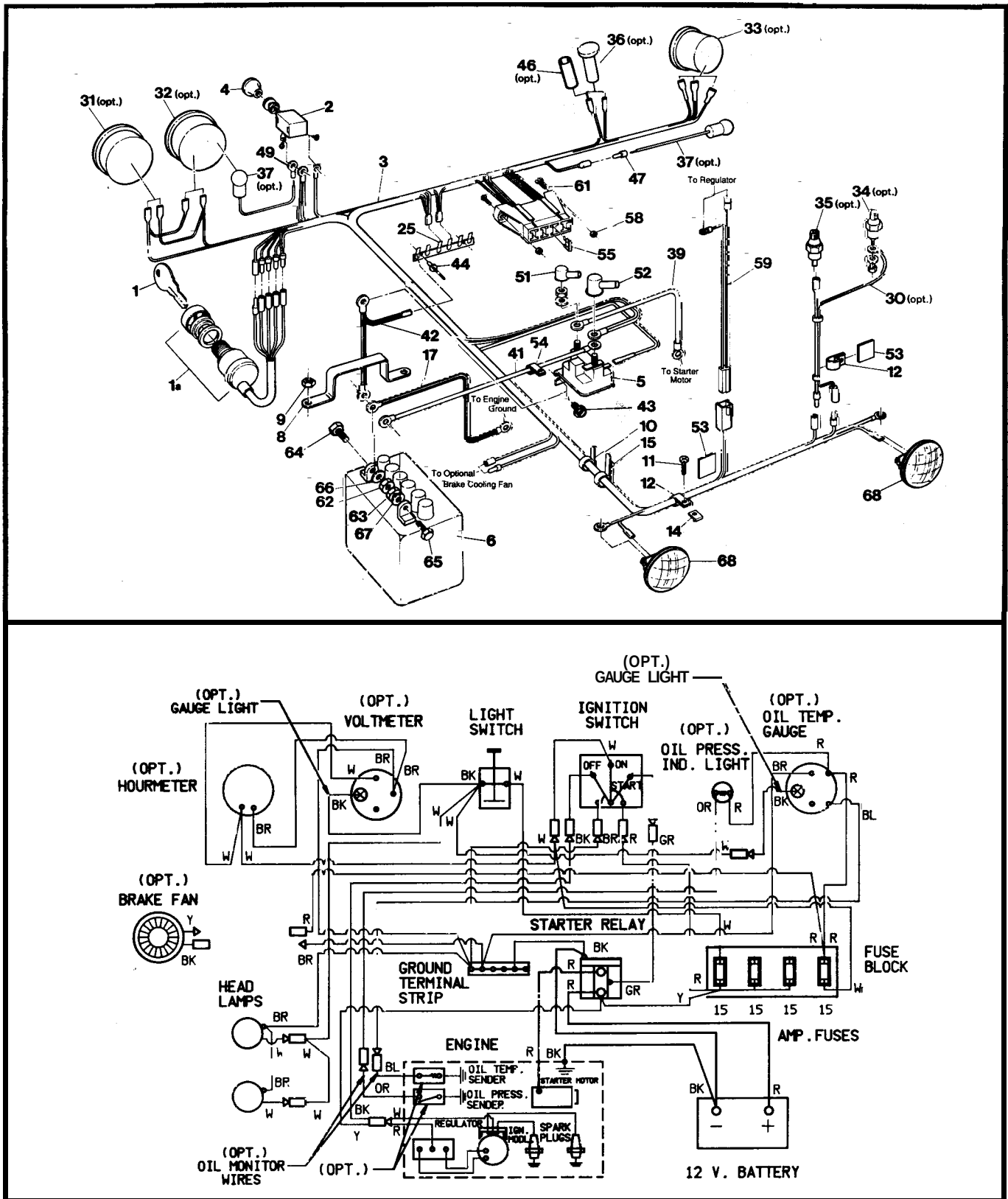


Fig. 9 Diagram & Schematic of the VANGUARD Electrical System

9.0 Electrical System

Ref	Part	Part Description	Qty.	Ref	Part	Part Description	Qty.
1	100-39A	Ignition Key, Variation #1	1	36	634-08	Indicator Light, Red, 12 Volt (opt.)	1
1a	126-17	Ignition Switch, incl. Ref. 1	1	37	634-10	Gauge Light Kit, see Ref. 32, 33 (opt.)	2
2	100-62	Light Switch	1	39	613-27	Power Cable, 26-1/2"	1
3	613-55	Main Wire Harness, incl. Fuse Holder	1				
4	126-76	Light Knob, #10-24	1				
5	100-36	Starter Relay	1				
6	100-25	Battery, 245 Crank Amps	1	41	613-26	Main Power Cable	1
8	604-52	Battery Retaining Bracket	1	42	613-58	Ground Cable	1
9	117-21	Nylon Locknut, 5/16-18NC	2	43	103-70	Cutting Screw, 1/4-20x 1/2"	2
10	100-64	Tie Rap	3	44	120-15	Rivet, #45 steel	2
11	103-25	Screw, #10-24 x 3/4"	6	46	118-48	Heat Shrink, 1/2 x 1-1/2" long (opt.)	1
12	125-48	Clip, 1/2" ID	6	47	118-02	Male bullet terminal, insulated	1
14	117-50	Spring Nut, #10-24	6	49	118-30	Ring terminal #10, insulated	1
15	126-12	Wiring Strap, plastic	1	51	613-45	Terminal Boot, red, 6 gauge	1
17	613-18	Engine Ground Cable	1	52	613-46	Terminal Boot, red, 2 gauge	1
25	613-37	Ground Terminal Strip, 6 pole	1	53	702-06	Cushion	2
30	613-38	Oil Monitor Wires (opt.)	1	54	126-83	Power Cable Clip	1
31	632-15	Hourmeter, DC & Bracket Mount (opt.)	1	55	118-49	Automotive type fuse 15A	4
32	633-10	Voltmeter, 10-16 Volts, incl. 37 (opt.)	1	58	117-10	Hex Locknut, #10-24	2
33	634-11	Engine Oil Temp Gauge to 320 deg.F, incl. 37 (opt.)	1	59	613-31	Engine Harness Adapter	1
34	634-12	Engine Oil Temp Sender, (opt.)	1	61	103-25	Machine Screw, #10-24 x 3/4	2
35	5209906	Engine Oil Pressure Switch, 6psi (opt.)	1	62	117-20	Locknut, 1/4-20	1
				63	117-03	Locknut, 5/16-18	1
				64	112-01	Bolt, 1/4-20x 3/4"	1
				65	112-04	Bolt, 5/16-18 x 3/4"	1
				66	108-08	Flatwasher, 1/4"	1
				67	108-24	Flatwasher, 5/16"	1
NOTE: Ref. 30-37, 46 are optional equipment				68	100-32	Headlamp	2

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