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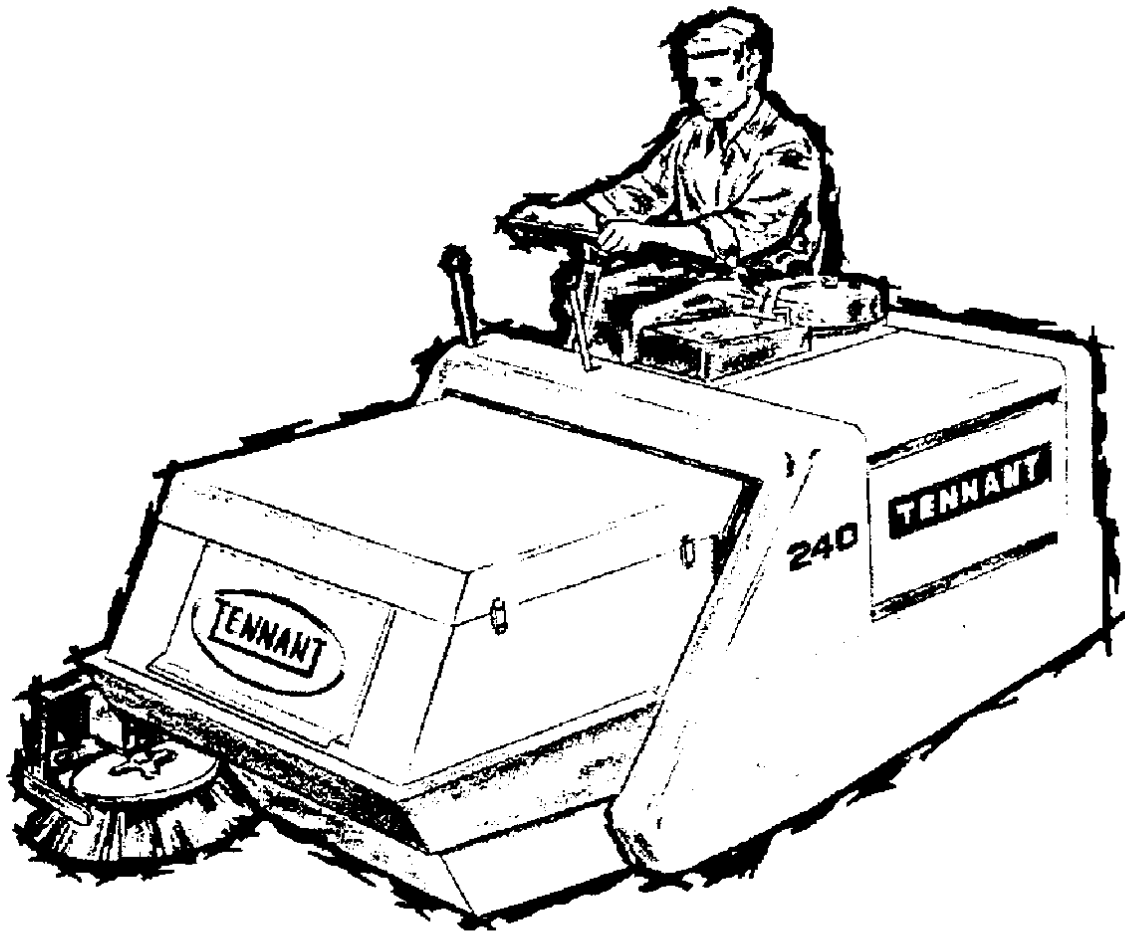
8-85

# 240

## POWER SWEEPER

Operation, Maintenance, and Parts Manual  
Including High Dump Model

(Parts Manual)



SPECIALIZED

MAINTENANCE SYSTEMS

SWEEPERS • SCRUBBERS • SCARIFIERS • FLOOR COATINGS

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# 240

## POWER SWEEPER

This manual is furnished with each new TENNANT® Model 240. The machine operators will easily learn how to operate the machine and understand its mechanical functions by following the directions and absorbing the information in the Operation section.

This machine will give excellent service and sweeping results, and save maintenance expenses. However, as with all specially engineered mechanical equipment, best results are obtained at minimum costs if:

- The machine is operated with reasonable care and
- The machine is maintained regularly — per the maintenance instructions provided.
- Components used in this machine have been carefully selected for performance and safety. Use only Tennant Company supplied or equivalent parts.

Parts and supplies may be ordered by phone or mail from any Tennant Company parts and service center, distributor, or from any of the Tennant Company subsidiaries.

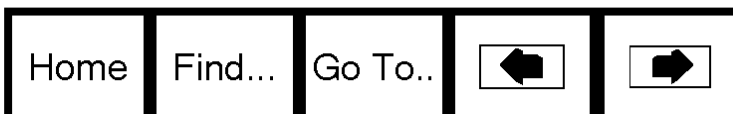
The telephone, telex, mailing addresses, and locations are listed on the last page of the manual.

MANUAL NO. MM101  
Published: 8-85

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# SAFETY PRECAUTIONS

The following information signals potentially dangerous conditions to the operator or equipment. Read this manual carefully. Know when these conditions can exist. Locate all safety devices on the machine. Then, take necessary steps to train machine operating personnel. Report machine damage or faulty operation immediately.

- ▲WARNING** Keep cigarettes, sparks and open flame away from fuel tank. Refuel in designated areas only. Do not fill fuel tank with engine running. Make sure fuel container and machine are electrically connected when refueling. Do not overfill LP tank. Check for odor of escaping gas before and during starting LPG engines.
- ▲WARNING** Provide adequate ventilation system to properly expel discharged gases. Check exhaust system regularly for leaks. Carbon Monoxide is dangerous.
- ▲WARNING** Keep cigarettes, sparks and open flame away from lead acid batteries. Batteries emit a highly explosive hydrogen gas.
- ▲CAUTION** Avoid moving parts of the unit. Loose jackets, shirts or sleeves should not be permitted when working on machine because of the danger of becoming caught in moving parts. Keep shields and guards in position. If adjustments must be made while the unit is running, use caution around hot manifolds, moving parts, V-belts, etc.
- ▲WARNING** Lock hopper in "UP" position, using Safety Lock, before changing brushes or working under hopper. See instructions on lock.
- ▲CAUTION** Disconnect battery terminal before servicing electrical components.
- ▲CAUTION** Check brakes and steering control for proper operation. Do not start machine unless you are in driver's seat, with foot on brake pedal, or parking brake engaged, and directional pedal in neutral. Stop engine and set parking brake before leaving machine.
- ▲CAUTION** This machine is steered by means of the rear wheel, and is very responsive. Become familiar with this type of steering system. Travel slowly and use care on grades and slippery surfaces.
- ▲WARNING** Never operate in areas of overhead danger unless machine is equipped with overhead guard.

The following symbols are used throughout this manual as indicated in their descriptions:

- ▲DANGER** To warn of immediate hazards which will result in severe personal injury or death.
- ▲WARNING** To warn of hazards or unsafe practices which could result in severe personal injury or death.
- ▲CAUTION** To warn of hazards or unsafe practices which could result in minor personal injury.
- ATTENTION!** To warn of unsafe practices which could result in extensive equipment damage.

**NOTE** To give important information or to warn of unsafe practices which could result in equipment damage.

# REPLACEMENT BRUSHES

## SWEEPING BRUSHES

TENNANT Part No.	Descriptions	Size
53063	HIGH DENSITY COMBINATION, natural fiber & crinkle wire—adds stiffness, increases brush life.	42 in.-24 row
53231	NATURAL FIBER, ideal for sweeping average soilage	42 in.- 8 row
53065	CRINKLE WIRE, provides maximum cleaning action for heavy semi-impacted soilage & hard-to-sweep dirt.	42 in.- 8 row
53067	COMBINATION, crinkle wire & natural fiber	42 in.- 8 row
53068	NYLON, combines long life with excellent sweeping qualities.	42 in.- 8 row
53069	PATROL, nylon for outside, med/lght bulky debris	42 in.- 5 row
53070	HIGH DENSITY NYLON	42 in.-24 row
53221	PROEX & WIRE, resilient bristles for sweeping medium heavy soilage	42 in.- 8 row
09600P	POLYPROPYLENE-Side sweeper	21 in. dia
09600N	NYLON-Side sweeper	21 in. dia
10712K	FLAT WIRE-Side sweeper	
43708 P	POLYPROPYLENE-Side sweeper (with adaptor)	
43708N	NYLON-Side sweeper (with adaptor)	
43708K	WIRE-Side sweeper (with adaptor)	
43708J	WIRE & FIBER-Side sweeper (with adaptor)	

## SCRUBBING BRUSHES

TENNANT Part No.	Descriptions	Size
43424	POLYPROPYLENE, stiff - front	38 in. -24 row
43592	POLYPROPYLENE, medium stiff - front	38 in. -24 row
43428	STAINLESS STEEL - front	38 in. -20 row
43393	ABRASIVE ROLL, stripping - front	38 in. - strip
53155	NYLON, Rear	42 in. - 8 row
43148	FIBER, stiff - side scrubber	14 in. dia
43593	FIBER, medium stiff - side scrubber	14 in. dia
43417	STAINLESS STEEL - side scrubber	14 in. dia
46857	POLYPROPYLENE - side scrubber (with U-Joint) stiff	
46858	POLYPROPYLENE - side scrubber (with U-Joint) medium stiff	
46859	STAINLESS STEEL - side scrubber (with U-Joint)	
43680	ABRASIVE, bristle, heavy, .050 ga	38 in. 24 row

12876 .....Brush Kit, Flange Repair

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## COMMONLY USED MAINTENANCE ITEMS AND REPAIR KITS

Note: These items also appear in the parts lists, but they are grouped here for your convenience. You may not wish to stock all of the items listed.

TENNANT Part No.	Description	Qty.
59463	REPLACEMENT PARTS PACKAGE	1
23792	ELEMENT, Air filter (Fram)	2
23275	SKIRT, Shroud, Left and right	2
23382	SEAL, Pan, side	2
23386	SEAL, Pan, top	1
48060	LIP, Rubber	5
53137	SKIRT	1
53298	SKIRT	1
24908	ELEMENT, Air (Purolator)	1
47352	ELEMENT, Oil (Fram)	2
SK1511	FUSIBLE LINK	1
45770-5	SPARK PLUG	2
38644	POINT SET	1
49795-3	CONDENSER	1
67718-2	ELEMENT, Oil (Deluxe)	1
SK1140A	SEAL KIT for Ross rear wheel hydraulic motor	1
SK1600	SEAL KIT for Char-Lynn side & main brush motors	1
SK1694	SEAL KIT for Ross side & main brush motors	1
SK1540	SEAL KIT for Victor-Dukes control valve	1
SK1842	SEAL KIT for Cross control valve	1
SK1695	SEAL KIT for Gresen side brush valve 48289	1
SK1288	SEAL KIT for Gresen side brush valve 48108A	1
SK1806	SEAL KIT for Victor-Dukes side brush valve	1
SK1769	SEAL KIT for Oilgear hydraulic propelling pump.	1
SK1739	SEAL KIT for Vickers accessory pump	1
SK2561	SEAL KIT for vacuum fan motor	1
32397-5	TENNANT Hydraulic oil (10-W-40)	1
53259	BAG, Filter	1
43323	BLADE, Squeegee, rear	1
43324	BACKING, Squeegee blade rear	1
43292	BLADE, Squeegee, side	1
SK1444	FILTER-FUELOCK REPAIR KIT (LP only)	1
14215	FUSE, 20 A	1
26771	BATTERY, 12V, 40 A	1
29830-9	CABLE, Battery, positive	1
29831-3	CABLE, Battery, negative	1
53819	TIRE, Rear wheel	1
53819-1	TUBE, Rear wheel	1
53819-2	FLAP, Rear wheel	1
47094	TIRE, Front	2
59472	REPLACEMENT PARTS PACKAGE - SCRUBBER	1
60113	BLADE, Squeegee, 69.5"	2
43324	BLADE, Back-up	1
60014	BLADE, Squeegee, 26"	2
43322	BLADE, Front, rubber, 68"	2

COMMONLY USED MAINTENANCE ITEMS AND REPAIR KITS (continued)  
REPLACEMENT PARTS FOR HI-DUMP ONLY

TENNANT Part No.	Description	Qty.
SK1951	SEAL KIT for Ross rear wheel hydraulic motor	1
SK1842	SEAL KIT for roll-out valve	1
SK1870	SEAL KIT for hopper lift cylinder	1
SK1869	SEAL KIT for roll-out cylinder	1
29831-4	CABLE, Battery, negative	1
24120	TIRE, Front, solid	2
37061	GASKET KIT, Hopper dump door	1
35607	LIP, Hopper, rubber	5

# DECIMAL EQUIVALENTS

## INCH-MILLIMETER CONVERSION TABLE

1/2	1/4	1/8	1/16	1/32	1/64	Decimals	Millimeters
					1	.015625	.396875
				1	3	.031250	.793750
			1		5	.046875	1.190625
			1	1	7	.062500	1.587500
				3	9	.078125	1.984375
				3	11	.093750	2.381250
				7	13	.109375	2.778125
		1			15	.125000	3.175000
			1	1	17	.140625	3.571875
			1	1	19	.156250	3.968750
			3	1	21	.171875	4.365625
			3	3	23	.187500	4.762500
				7	25	.203125	5.159375
				7	27	.218750	5.556250
				15	29	.234375	5.953125
		1			31	.250000	6.350000
			1	1	33	.265625	6.746875
			3	1	35	.281250	7.143750
			3	3	37	.296875	7.540625
			3	5	39	.312500	7.937500
				11	41	.328125	8.334375
				11	43	.343750	8.731250
			3	13	45	.359375	9.128125
			3	13	47	.375000	9.525000
				15	49	.390625	9.921875
				15	51	.406250	10.318750
			7	17	53	.421875	10.715625
			7	17	55	.437500	11.112500
				15	57	.453125	11.509375
				15	59	.468750	11.906250
				31	61	.484375	12.303125
				31	63	.500000	12.700000
				33	64	.515625	13.096875
			9	17		.531250	13.493750
			9	17		.546875	13.890625
			9	19		.562500	14.287500
				19		.578125	14.684375
				19		.593750	15.081250
				19		.609375	15.478125
		5				.625000	15.875000
			5	1		.640625	16.271875
			5	1		.656250	16.668750
			5	3		.671875	17.065625
			5	3		.687500	17.462500
				11		.703125	17.859375
				11		.718750	18.256250
				11		.734375	18.653125
		3				.750000	19.050000
			3	1		.765625	19.446875
			3	1		.781250	19.843750
				25		.796875	20.240625
				25		.812500	20.637500
			13			.828125	21.034375
			13			.843750	21.431250
				27		.859375	21.828125
				27		.875000	22.225000
		7				.890625	22.621875
			7			.906250	23.018750
				29		.921875	23.415625
				29		.937500	23.812500
			15			.953125	24.209375
			15			.968750	24.606250
				31		.984375	25.003125
2	4	8	16	32	64	1.000000	25.400000



## STANDARD BOLT TORQUE CHART

STANDARD TIGHTENING REQUIREMENTS FOR NORMAL ASSEMBLY APPLICATIONS



Bolt Thread Size (in)	SAE Gr. 5 Minimum Torque Ft Lbs (Nm)		SAE Gr. 8 Minimum Torque Ft Lbs (Nm)		Carr Bolts & B RH SSQ Bolts Minimum Torque Ft Lbs (Nm)
	Plain	Plated	Plain	Plated	
0.25	8(11)	7(10)	12(16)	10(14)	4(5)
0.31	18(24)	15(20)	26(35)	21(29)	8(11)
0.38	31(42)	25(34)	48(65)	39(53)	15(20)
0.44	53(72)	43(58)	75(102)	60(81)	26(35)
0.50	82(111)	66(90)	115(156)	92(125)	38(52)
0.56	170(231)	140(190)	235(319)	190(258)	70(95)
0.75	290(393)	230(312)	415(563)	330(448)	130(176)
0.88	430(583)	340(461)	600(814)	480(651)	140(190)
1.0	640(868)	510(692)	900(1220)	720(976)	210(285)

*NOTE: Increase the torque by 20% when using engine oil or chassis grease as a thread lubricant.*

### EXCEPTIONS TO THE ABOVE STANDARD:

Motor axle nuts: 200-250 ft lbs (271-339 Nm)  
 Scrub brush motor porting block socket head bolts: 18-20 ft lbs (24-27 Nm)

### BOLT IDENTIFICATION

Identification Grade Marking	Specification and Grade
	SAE-Grade 5 ASTM-A 449
	SAE-Grade 8 ASTM-A 354 Grade 8D

All hardware is of grade 5 unless specifically stated otherwise.

### HYDRAULIC TAPERED SEAT FITTING (JIC) TORQUE CHART

Tube O.D. (in)	Thread Size	Maximum Torque
0.25	0.44"-20	9 ft lbs (12 Nm)
0.38	0.56"-18	20 ft lbs (27 Nm)
0.50	0.75"-16	30 ft lbs (41 Nm)
0.62	0.88"-14	40 ft lbs (54 Nm)
0.75	1.12"-12	70 ft lbs (95 Nm)
1.0	1.31"-12	90 ft lbs (122 Nm)

### HYDRAULIC O-RING FITTING TORQUE CHART

Tube O.D. (in)	Thread Size	Minimum Torque	Maximum Torque
0.25	0.44"-20	6 ft lbs (8 Nm)	9 ft lbs (12 Nm)
0.38	0.56"-18	13 ft lbs (18 Nm)	20 ft lbs (27 Nm)
0.50	0.75"-16	20 ft lbs (27 Nm)	30 ft lbs (41 Nm)
0.62	0.88"-14	25 ft lbs (34 Nm)	40 ft lbs (54 Nm)
0.75	1.12"-12	45 ft lbs (61 Nm)	70 ft lbs (95 Nm)
1.0	1.31"-12	60 ft lbs (81 Nm)	90 ft lbs (122 Nm)

*NOTE: Do not use sealant on o-ring threads.*

### HYDRAULIC TAPERED PIPE FITTING (NPT) TORQUE CHART

*NOTE: Ratings listed are when using teflon thread seal.*

Size	Minimum Torque	Maximum Torque
1/4 NPT	10 ft lbs (14 Nm)	30 ft lbs (41 Nm)
1/2 NPT	25 ft lbs (34 Nm)	50 ft lbs (68 Nm)
3/4 NPT	50 ft lbs (68 Nm)	100 ft lbs (136 Nm)



# 240 STANDARD POWER SWEEPER

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## NOTE

When alternate part numbers are listed for hydraulic motors, valves, cylinders, oil filters, etc., you must check your machine to determine which component was used. This must be done before ordering replacement components, seal kits, hydraulic oil filters, etc. Because hydraulic hoses are changed frequently, it is a good idea to double-check the hose number listed in the manual by looking at the actual hose you wish to replace. The hose part number is stamped on the metal end near the hex.

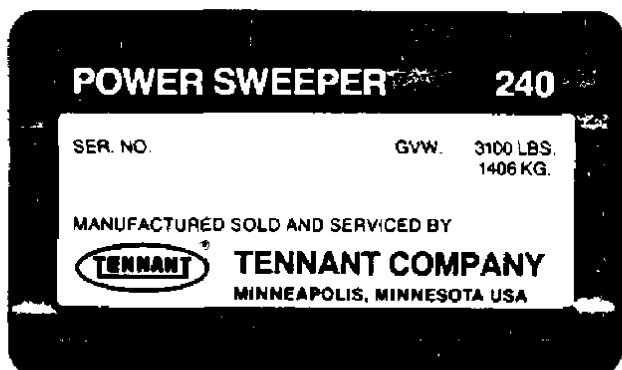
**standard parts**



## ORDERING REPAIR PARTS

To avoid errors or delays in filling parts orders, please furnish all of the following information.

1. Always specify the machine model number and the machine serial number shown on the machine data plate.



2. Give the part number, description, and the quantity needed of each item on the order. Do not order by reference number or the figure number of the illustrated parts.
3. Indented items indicate parts of assemblies. Standard hardware is furnished only when part of a purchased assembly. Please order hardware from a local hardware supplier.
4. If the old part cannot be identified, send it to us with the quantity needed specified on the order.
5. State definite shipping instructions to include the shipping address and/or the billing address if there is a difference. Any claim for loss or damage to a shipment in transit should be filed promptly against the transportation company making the delivery. Shipments will be complete unless the packing list or order acknowledgement indicate items back ordered.

If parts received are suspected to be incorrect or defective, please write, wire, or phone the Tennant Company representative from whom you ordered the part. They will give authorization for return and/or handle replacement shipments when required.

### SI (INTERNATIONAL SYSTEM) UNITS OF MEASURE

Metric equivalents have been included, where applicable, throughout this parts catalog.

### BOLT AND CAP SCREW STRENGTH IDENTIFICATION

Bolts and cap screws required to have high-strength qualities equivalent to SAE Grade 8 are identified throughout this catalog by the description GR 8. Unless identified by this description, all standard bolts and cap screws are SAE Grade 5.

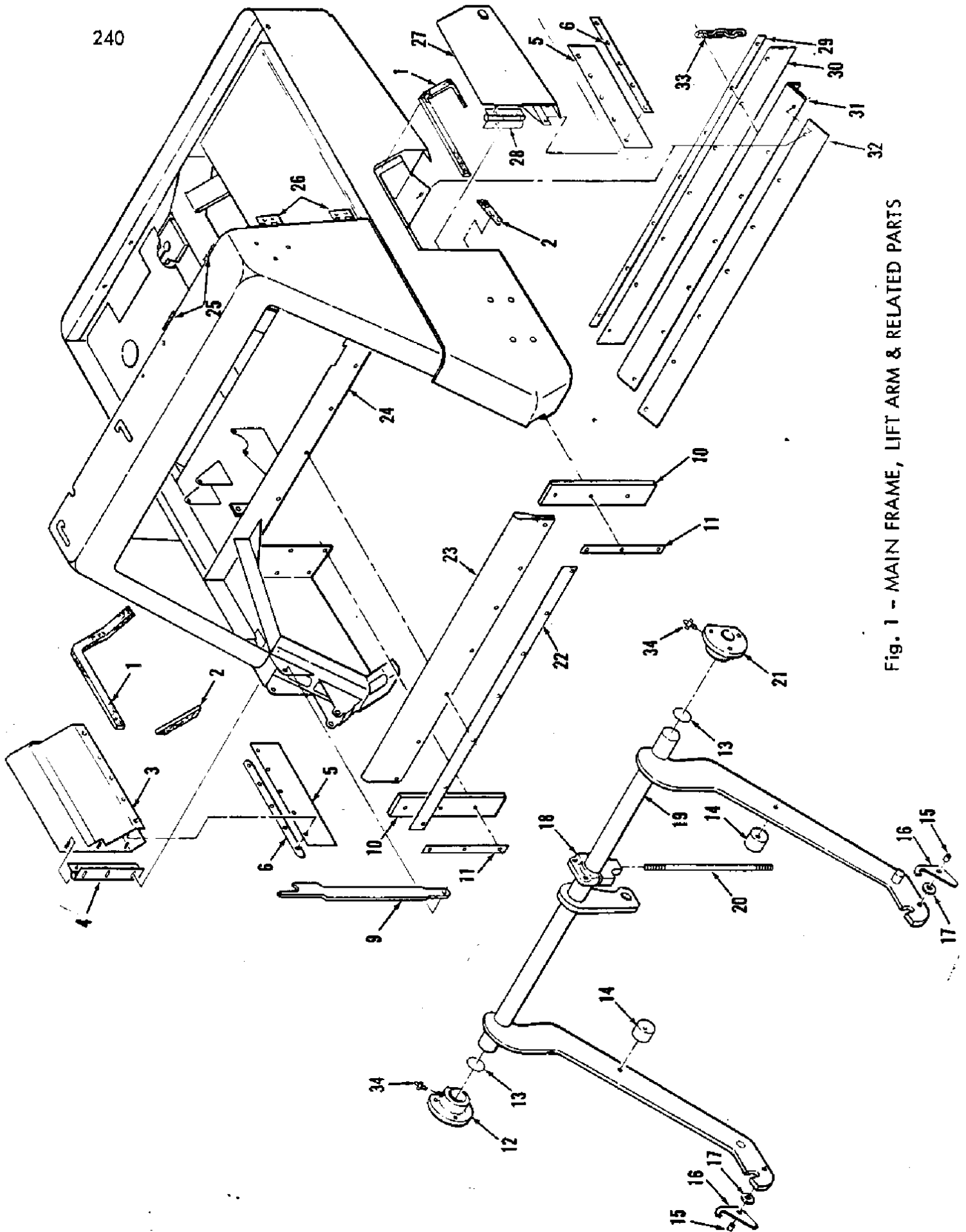


Fig. 1 - MAIN FRAME, LIFT ARM & RELATED PARTS

Ref. No.	TENNANT Part No.	Description	Qty.
1	53052	SEAL	1
2	53974	SEAL	2
3	+33761	DOOR, Brush, R.H.	1
4	19842	HINGE, Brush door, R.H.	1
5	23275	SKIRT, Shroud	2
6	45857	* RETAINER, Shroud skirt	2
9	47907	ARM, Hopper stop, safety	1
	56855	BUMPER, Rubber	1
10	23382	SEAL	2
11	23384-2	RETAINER, Seal	2
12	23454-2	BEARING, Torque tube, Right hand	1
13	23138	SHIM	2
14	23452-2	CAM, Pan adjusting	2
15	46137	SLEEVE	2
16	46132	HOOK, Pan lock	2
17	46147	WASHER, Rubber	2
18	23580-2	BEARING, Torque tube, center	1
19	53056	ARM, Lift	1
20	23583-2A	ROD, Tie	1
21	23455-2	BEARING, Torque tube, Left hand	1
22	53143	RETAINER, Top seal	1
23	23386	SEAL, Top	1
24	53632	FRAME, Main	1
25	47700	HINGE, Engine hood	2
26	47692	HINGE, Engine side door	2
27	++33759	DOOR, Brush, L.H.	1
28	19843	HINGE, Brush door, L.H.	1
29	23268-1	RETAINER, Rear skirt	1
30	53137	SKIRT, Rear	1
31	53219	ANGLE, Skirt mounting	1
32	53298	SKIRT, Rear	1
33	09342	CHAIN	1
34	07259	FITTING, Grease	2

\* Note: Before Serial No. 5945, Retainer #45857 was 23276-2

+Note: To replace R.H. brush door with welded on hinge, order SK2513; to replace door with bolted on hinge used on machines up to serial number 8655, order SK2725.

++Note: To replace L.H. brush door with welded on hinge, order SK2512; to replace door with bolted on hinge used on machines up to serial number 8655, order SK2723.

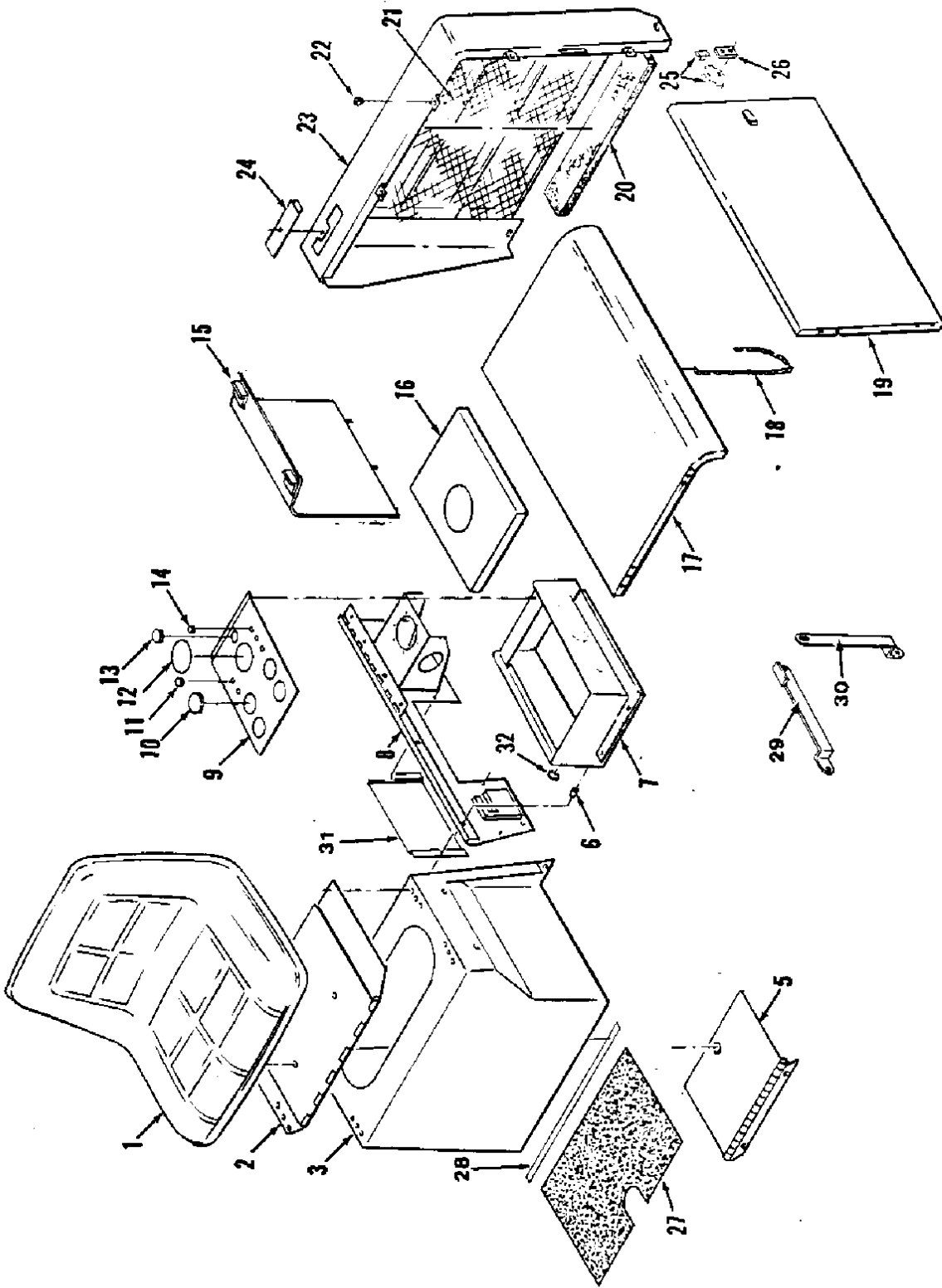


Fig. 2 - SEAT, INSTRUMENT PANEL, COVERS, ETC., PARTS GROUP



Ref. No.	TENNANT Part No.	Description	Qty.
	4832	SEAT ASSEMBLY	1
1		SEAT	1
2	53844	MOUNT, Seat	1
3	53100	SUPPORT, Seat	1
5	53465-3	COVER, Battery	1
6	53051A	SPACER	1
7	*54721	BOX, Instrument	1
8	47587	PANEL, Engine cover (Standard air filter)	1
	47587-3	PANEL, Engine cover (W/Farr filter)	1
9	53513	PANEL, Instrument	1
10	47178-12	PLUG-BUTTON	2
11	47178-4	PLUG-BUTTON	4
12	24520-1	PLATE, Hole cover	1
13	47178-13	PLUG-BUTTON	1
14	47178-11	PLUG-BUTTON	1
15	32820	PANEL ASSEMBLY	1
16	53739	PANEL, Engine cover	1
17	54463	HOOD, Engine cover	1
18	44064	CHAIN (no longer used)	1
19	37191	** DOOR, Engine compartment	1
20	54201	INSULATION, Rear shroud	1
21	53324	GRILL	1
22	51787	BUMPER, Engine cover hood	2
23	37187	*** SHROUD, Rear	1
24	53127	PLATE, Cover	1
25	64903	CATCH, Door	1
26	63021	STRIP	1
27	32270	TREAD, Floor	1
28	23826	SEAL, Seat support	1
29	37093	ARM, Hinge	1
30	37091	ARM, Hinge	1
31	54370-1	PANEL, Access	1
32	47178-2	PLUG BUTTON	1

\*Instrument Box #54721 is used with new #62530 Pollak ignition switch. Previous instrument box #53510 was used with previous ignition switch #47485.

\*\*Engine compartment door #37191 was #53581, which had a built-in latch. To replace #53581, order SK2330.

\*\*\*Shroud #37187 was #53730; to replace #53730, order SK2331.

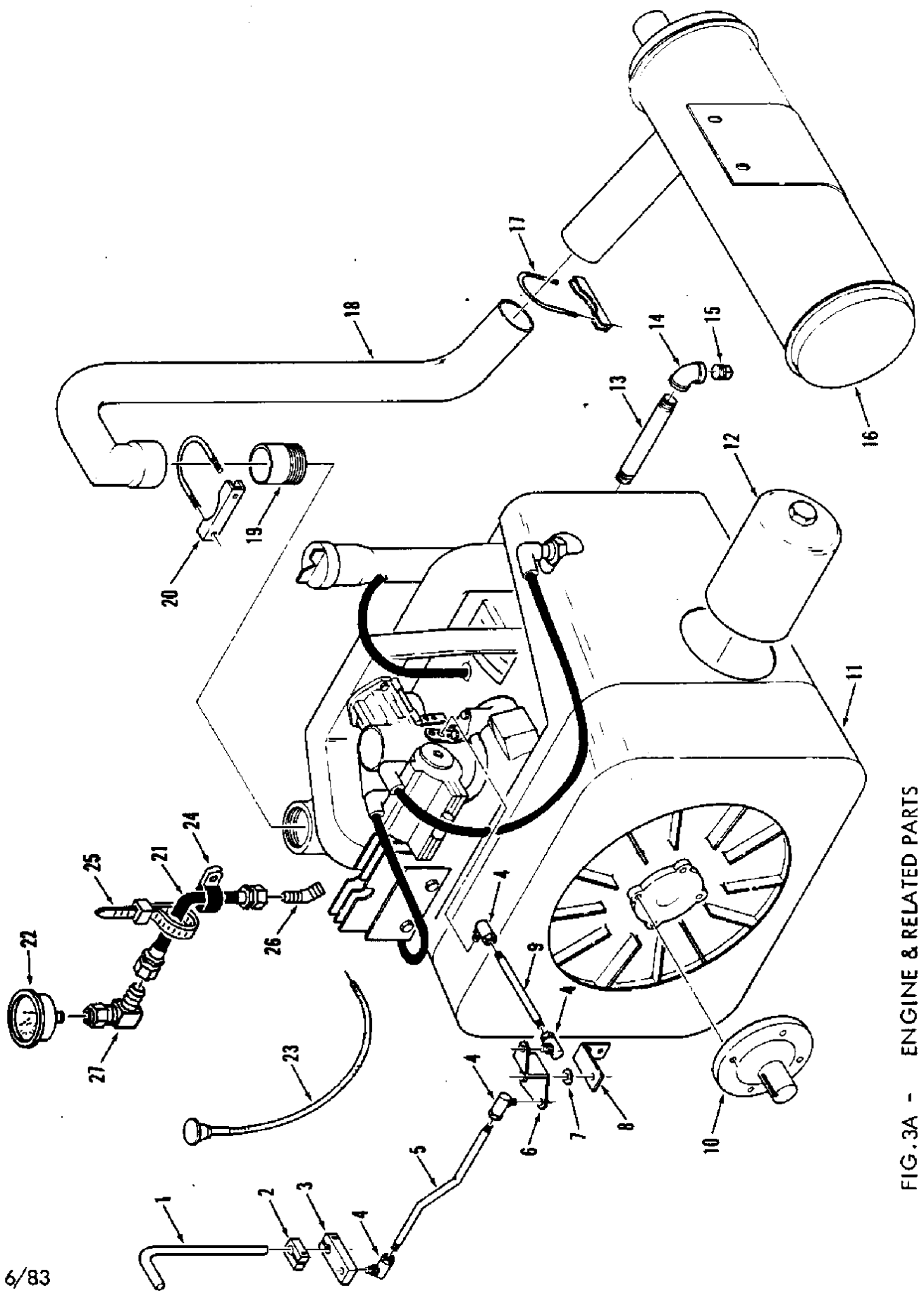


FIG. 3A - ENGINE & RELATED PARTS

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Ref. No.	TENNANT Part No.	Description	Qty.
1	53267	HANDLE, Throttle	1
2	53290	STOP, Throttle	1
3	53270	ARM, Throttle pivot	1
4	14601	BALLJOINT	4
5	53271	ARM, Throttle control	1
6	53929	BELLCRANK	1
7	53928	WASHER, Bellcrank	1
8	53571	BRACKET, Throttle bellcrank mounting	1
9	53424	ROD, Throttle control	1
10	53575	SHAFT, Pump drive	1
11	+37039-1	ENGINE, Basic, Gasoline (Kohler Model K582S) (Spec. #36283A)	1
12	47352	ELEMENT, Engine oil filter	1
13	53241	NIPPLE, Engine oil drain	1
14	23563	ELBOW, Engine oil drain	1
15	17400-27	PLUG, Engine oil drain	1
16	23681	MUFFLER	1
17	24012-1	CLAMP, Muffler	1
18	47746	PIPE, Engine exhaust	1
19	47796	NIPPLE, Engine exhaust pipe	1
20	05881	CLAMP, Muffler	1
21	** 32552	HOSE, Oil pressure gauge	1
22	47436	GAUGE, Oil pressure	1
23	46278	CABLE, Engine choke	1
24	26395-1	CLAMP, Cable	2
25	49263	TIE, Cable	1
26	56689	ELBOW, 45°	1
27	39210	ELBOW	1

\*\*NOTE: To replace previous hose 44041, order SK2531.

GENERAL ENGINE NOTE: Basic engines listed above do not include starter solenoid #47356, and oil drain parts. See "Engine Parts Section" for complete engine breakdown.

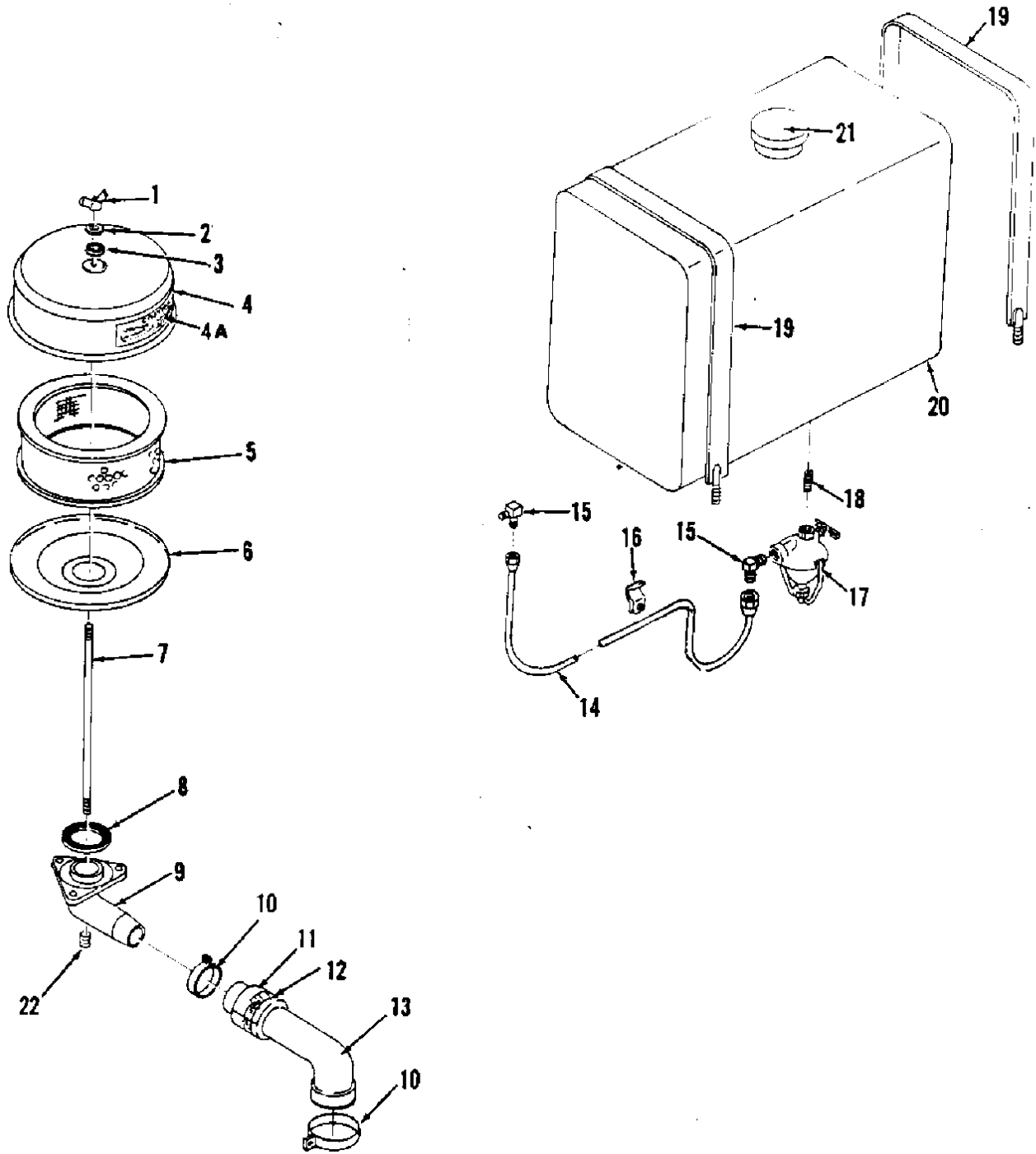


Fig. 3B - ENGINE AIR CLEANER & GAS TANK GROUP

FIG. 3B - ENGINE AIR CLEANER & GAS TANK GROUP

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Ref. No.	TENNANT Part No.	Description	Qty.
1	26509	WING-NUT, Air filter	1
2	41178	WASHER, Steel	1
3	33518	WASHER, Rubber	1
4	23791-1	COVER, Air filter	1
4A	24669	DECAL, Caution	1
5	23792	ELEMENT, Air filter	1
6	54080	FLANGE, Air filter base	1
7	54082	STUD	1
8	23731	WASHER, Rubber	1
9	23727A-2	BASE, Air filter	1
10	11531	CLAMP, Air filter hose	1
11	32542	HOSE, Split protective	1
12	22297	CLAMP, Wormdrive	1
13	54129	HOSE, Air filter	1
14	53388	LINE, Fuel	1
15	06507	ELBOW	2
16	09092-1	CLIP, Fuel line hold down	3
17	04601	STRAINER, Fuel	1
18	17413	NIPPLE	1
19	23254	STRAP, Fuel tank hold down	2
20	23390	TANK, Fuel	1
21	48267	CAP, Fuel tank	1
22	14834	PLUG	1
	44031	CLAMP	1
	46236	CLAMP, Cable	1

Fig. 4C -  
Control Valve  
& Cylinder

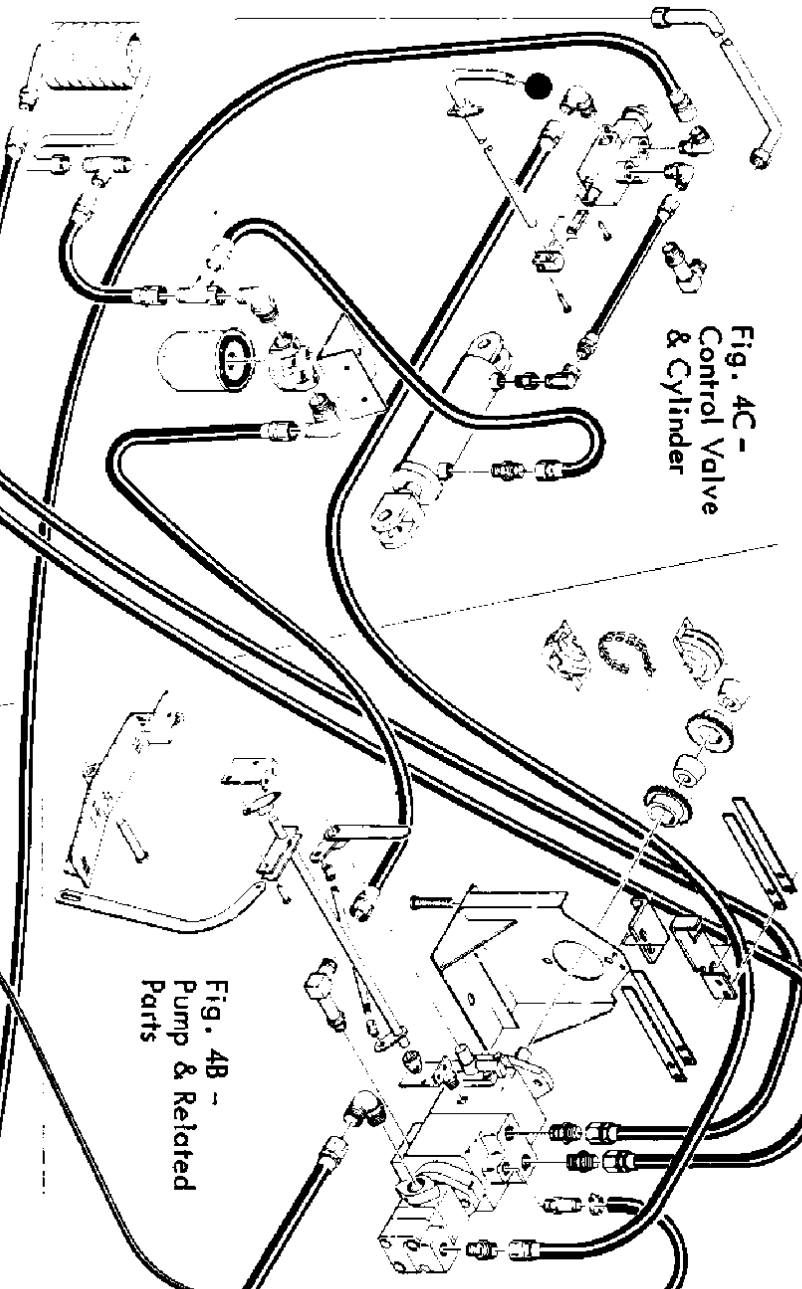


Fig. 4B -  
Pump & Related  
Parts

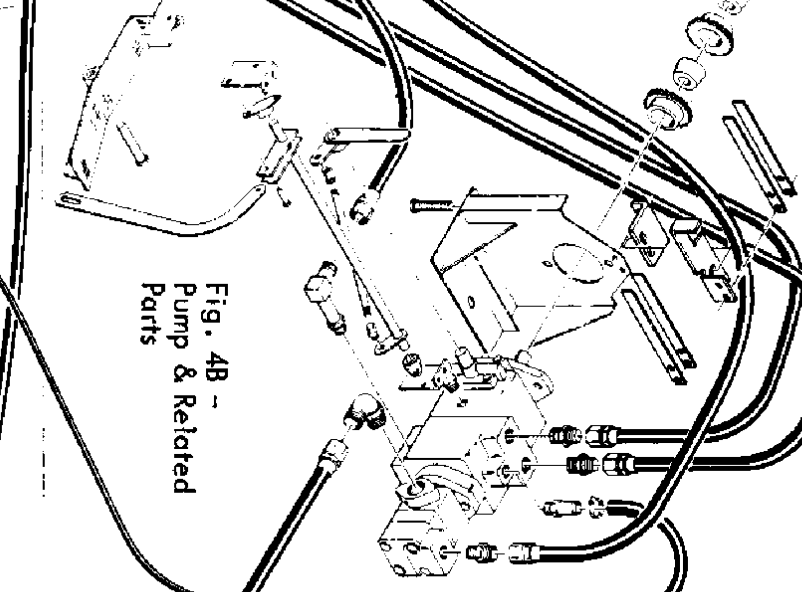


Fig. 4F -  
Hydraulic Tank  
& Related Parts

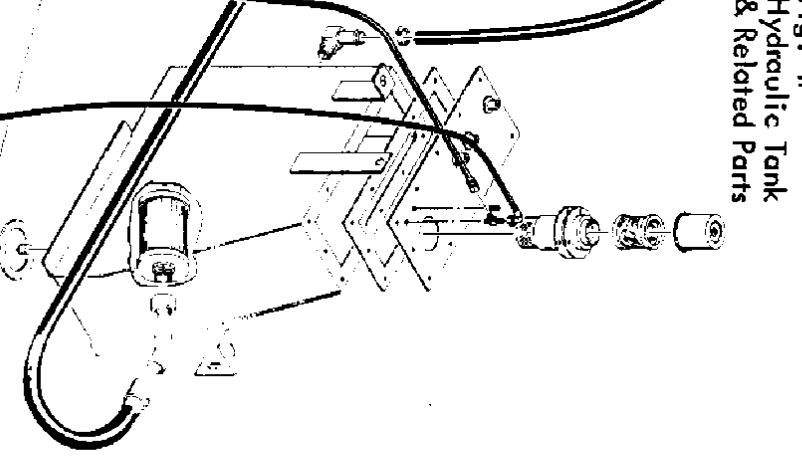


Fig. 4A -  
Wheel Drive  
Motor & Related  
Parts

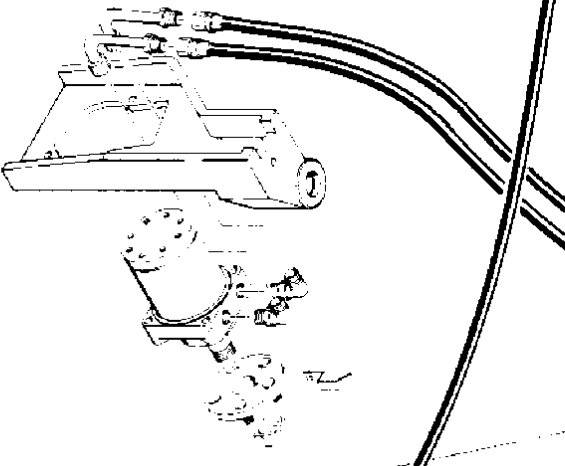


Fig. 4D -  
Side Brush, Main  
Brush, Vacuum Fan  
Motors & Valve

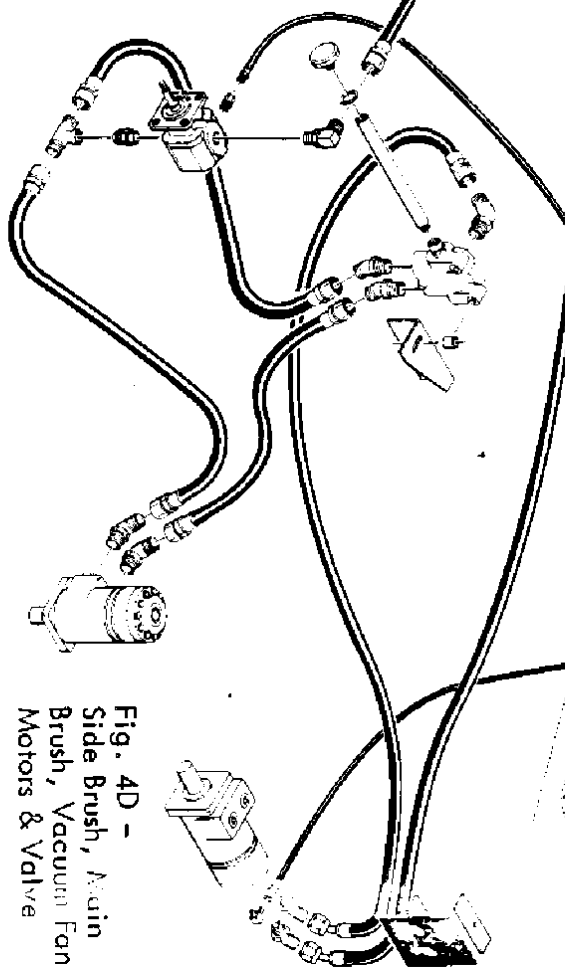


FIG. 4 - MODEL 240 STANDARD MACHINE HYDRAULIC PICTORIAL

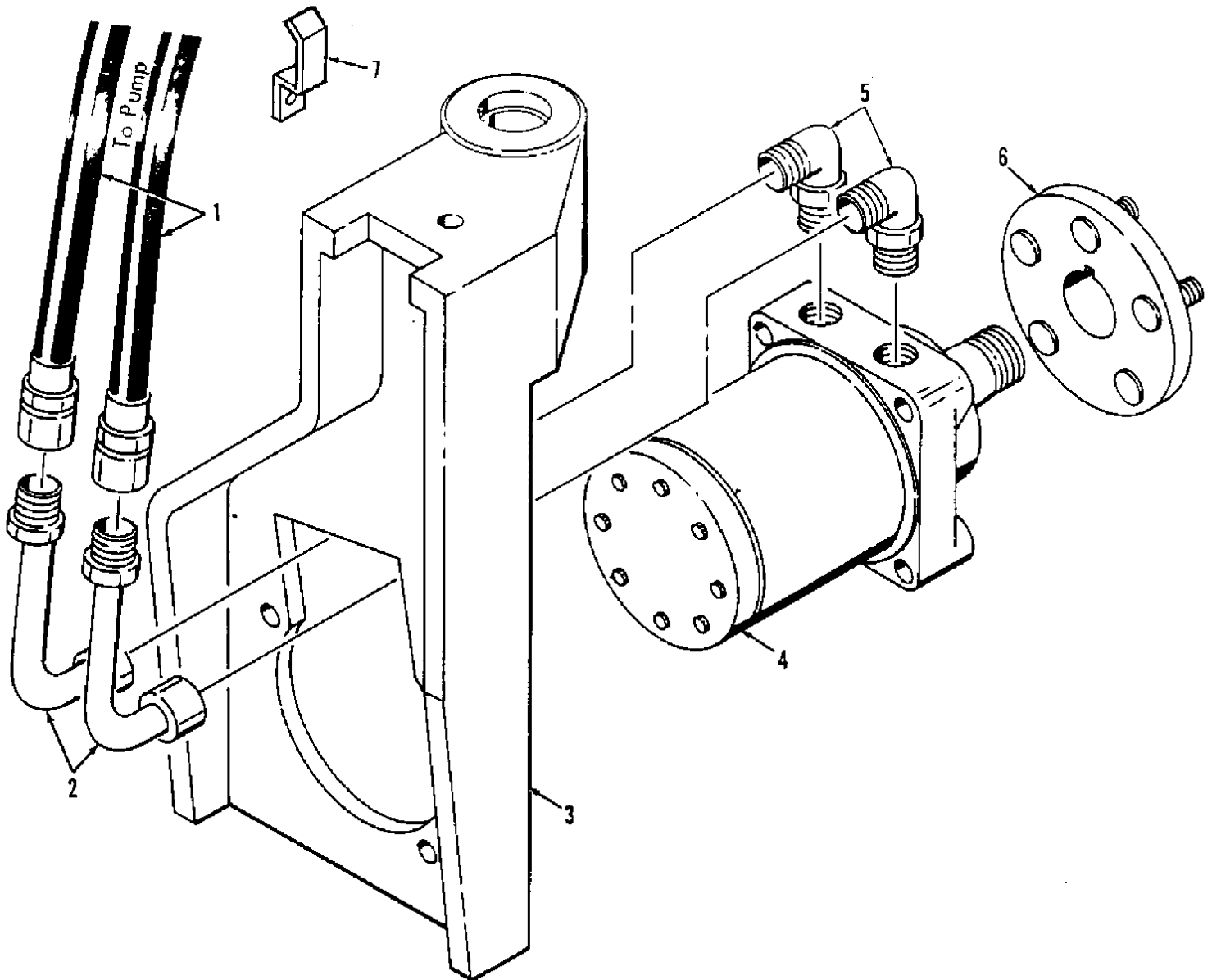


Fig. 4A- Wheel Drive & Related Parts

Ref. No.	TENNANT Part No.	Description	Qty.
1	53084-1	HOSE	2
2	53004	TUBE ASSEMBLY	2
3	53525A	HOUSING, Drive	1
4	53032	MOTOR, Propelling (Ross)	1
	SK1140A	SEAL KIT	1
5	51782	ELBOW	2
6	82239	HUB & STUD ASSEMBLY	1
	32126	STUD	5
7	54217	BRACKET, Clamp, hose	1

NOTE: If your machine is equipped with a high-speed propelling modification, motor will be #53892-2 (Char-Lynn 3000 Series Motor, Seal Kit SK1271).

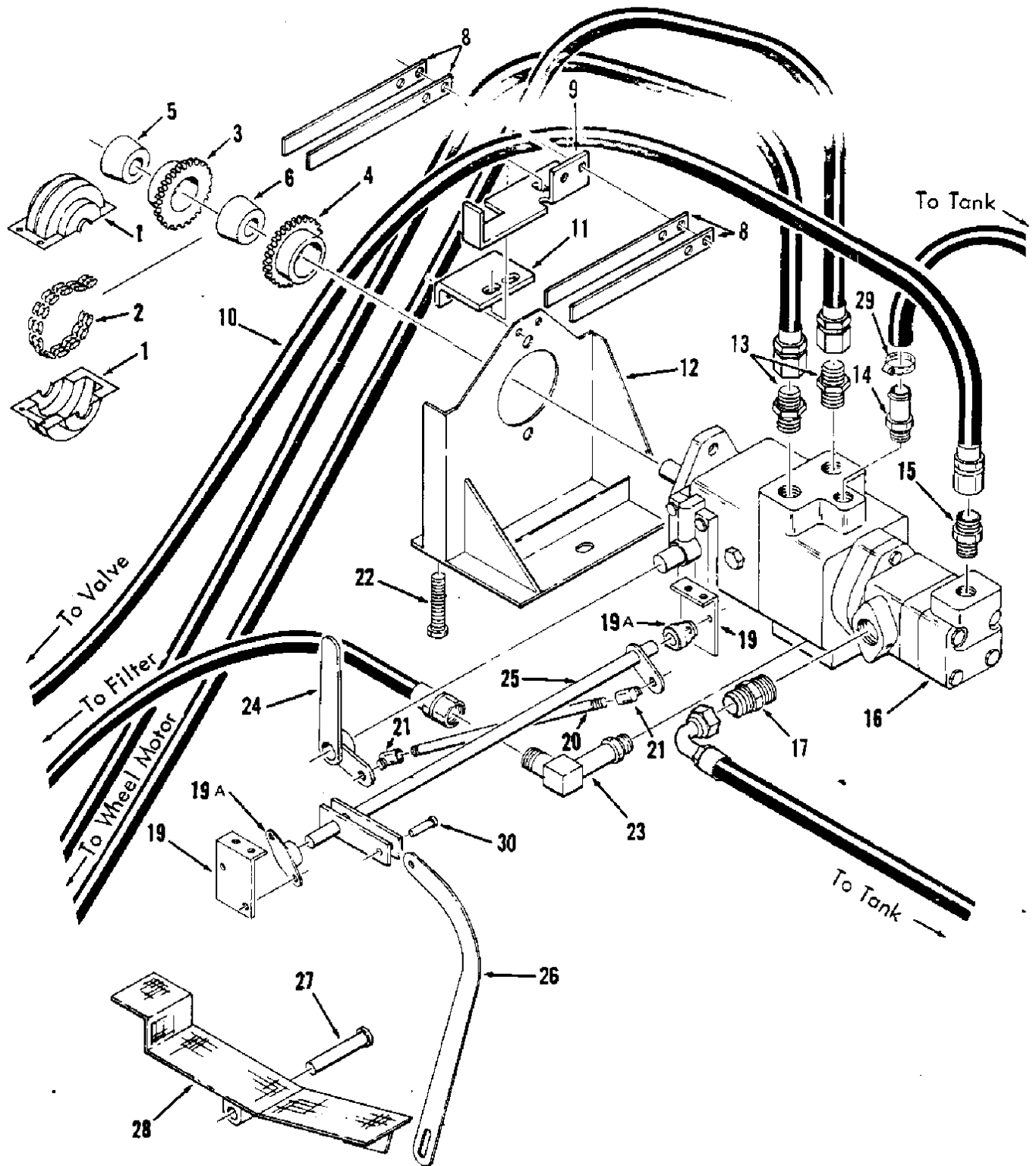


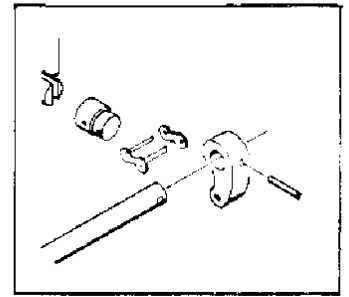
FIG. 4B - HYDRAULIC PUMP & RELATED PARTS



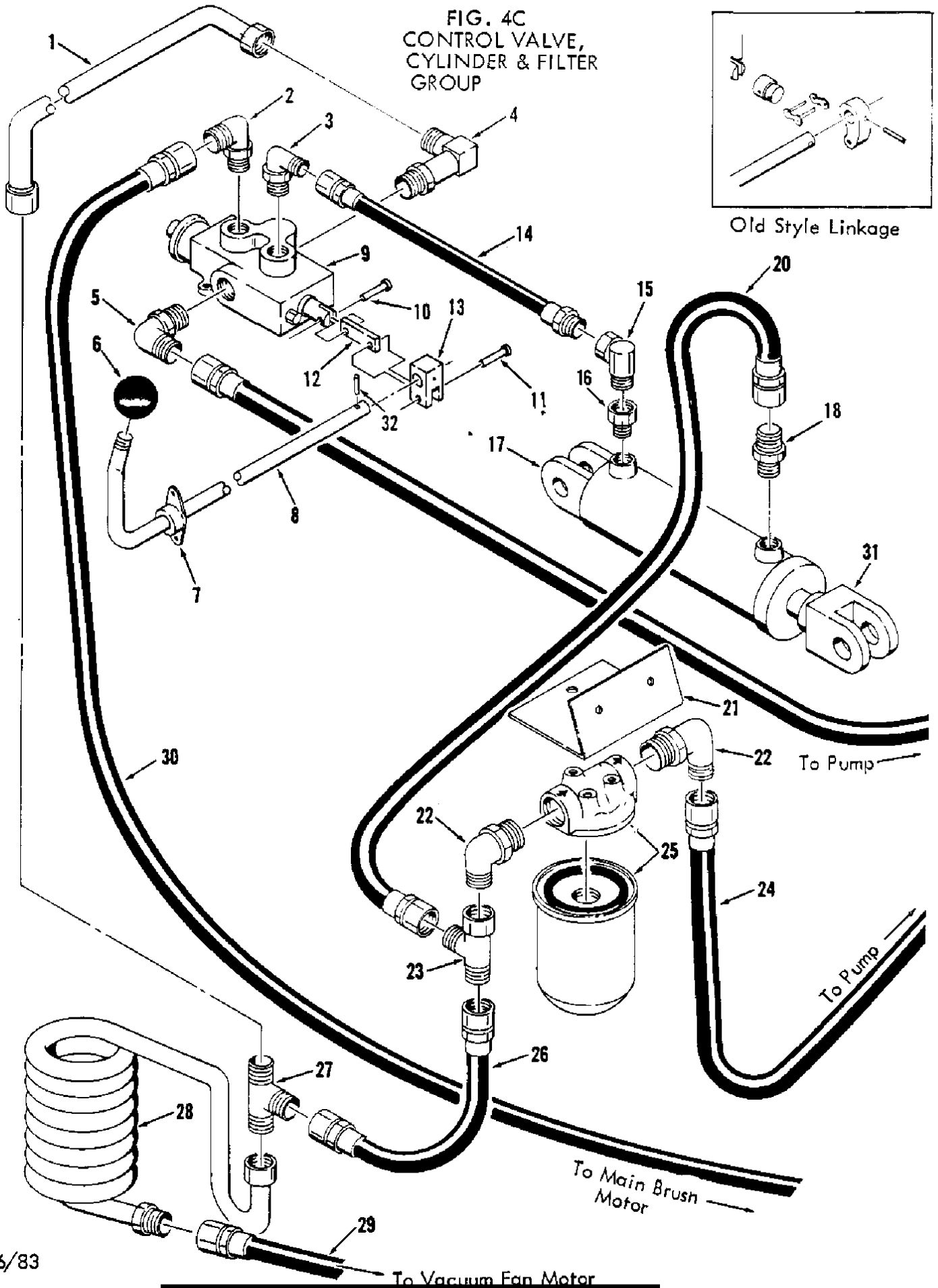
Ref. No.	TENNANT Part No.	Description	Qty.
1	54104	COVER, Chain, half, (includes gaskets)	1
	53531	COUPLING ASSEMBLY	1
2	33778	CHAIN ASSEMBLY	1
3	53531-1	SPROCKET, Chain (engine side)	1
4	53531-2	SPROCKET, Chain (pump side)	1
5	15280-4	BUSHING, Taper lock	1
6	15280-3	BUSHING, Taper lock	1
8	49681	SPRING, Pump centering	4
9	32442	BRACKET, Pump centering spring	1
10	53083-1	HOSE	1
11	33269	SUPPORT, Centering spring bracket	1
12	50431	MOUNT, Pump	1
13	46480	CONNECTOR	2
14	47894	FITTING, Barbed (was #42226 elbow)	1
15	47518	CONNECTOR	1
16	50526	+COMPLETE TANDEM PUMP ASSEMBLY	1
	(Note: Tandem pump consists of Oilgear propelling pump & Vickers accessory pump.)		
	50500	+COMPLETE OILGEAR PUMP	1
	SK1769	SEAL KIT, For Oilgear pump section	
	69181	VICKERS V-10 Pump (Seal Kit SK1739)	1
	23158	GASKET	1
	69186	O-RING	1
	69183 A	PLATE, Pump adaptor	1
		SCREW, Hex cap (.375" - 16 x 1.875")	2
		WASHER, Springlock (.375")	2
	69157-1	COUPLING ASSEMBLY	1
	69180	COUPLING HALF (Oilgear)	1
	69184	COUPLING HALF (Vickers)	1
	69182-2	KEY (Oilgear)	1
	69182-1	KEY, Center	1
	00912	KEY, (Vickers)	1
17	52929	CONNECTOR	1
18	46482	PLUG, Oil priming	1
19	53351A	SUPPORT, Pump control rod	2
19A	53352	BEARING, Support	2
20	53579-1	ROD, Control	1
21	14506	BALLJOINT	2
22	53963A	BOLT, Hex cap (.50" - 13 x 2.75")	1
23	47509	ELBOW	1
24	69061	ARM, Pump control	1
25	35634	ROD, Control	1
26	36956	ARM, Foot pedal	1
27	06474A	PIN, Foot pedal	1
28	42240	PEDAL, Foot	1
29	11399	CLAMP, Hose	1
30	09088	PIN, Clevis	1

+ NOTE: To replace complete tandem pump assembly on machines with serial number up to and including 5302, order SK1957. Order SK1955 to replace the oil-gear pump on machines up to and including serial number 5302.

FIG. 4C  
CONTROL VALVE,  
CYLINDER & FILTER  
GROUP



Old Style Linkage



Ref. No.	TENNANT Part No.	Description	Qty
1	53201	TUBE ASSEMBLY	1
2	44868	ELBOW (before S/N 8672, use 56827)	1
3	47512	ELBOW	1
4	47509	ELBOW	1
	53076	ELBOW (Obsolete Cross)	1
5	51782	ELBOW	1
	53076	ELBOW (Obsolete Cross)	1
6	26156	KNOB	1
7	47585	BUSHING, Valve control rod	1
8	53736	ROD, Valve control	1
9	62550	+ VALVE, Control, Dukes	1
	SK1863	SEAL KIT	1
9	48290	VALVE, Control (Obsolete Cross)	1
	SK1842	SEAL KIT	1
10	14605	*PIN	1
11	51727	*PIN	1
12	32751	*STRIP	1
13	32750	*LEVER	1
14	47825	HOSE	1
15	56820	**ELBOW	1
16	32754	**CONNECTOR	1
17	53477	CYLINDER, Dump (Green, Standard)	1
	SK1522	SEAL KIT	1
17	69330-5	CYLINDER, Dump (TENNANT, Alternate)	1
	SK1573	SEAL KIT	1
18	35587	CONNECTOR	1
20	52908	HOSE	1
21	69037	BRACKET, Oil filter mounting	1
22	53076	ELBOW	2
23	51779	TEE	1
24	53083-1	HOSE	1
25	67718	FILTER, Oil, Deluxe (standard)	1
	67718-2	ELEMENT, Deluxe, "Spin-On" type	1
	53348B	FILTER, Oil, Ripley (alternate) O'ring is DH1004	1
	53348-1	ELEMENT, Ripley	1
26	53083-17	HOSE	1
27	52456	TEE	1
28	53200	HEAT EXCHANGER	1
29	53083-20	HOSE	1
30	16463	HOSE (before S/N 8672, use 53083-2)	1
31	48929	CLEVIS, Cylinder	1
32	28270	PIN, Roll	1

+Note: To replace control valve on machines with serial number up to and including 8312, order SK2552 which includes valve 62550, fittings, and the new-style linkage. Seal kit for obsolete Dukes valve 48337 is SK1540.

\*Note: To replace old-style linkage, order SK2563.

\*\*Note: To replace previous elbow 62711-2 used on machines with serial number up to and including 8517, order SK2703.

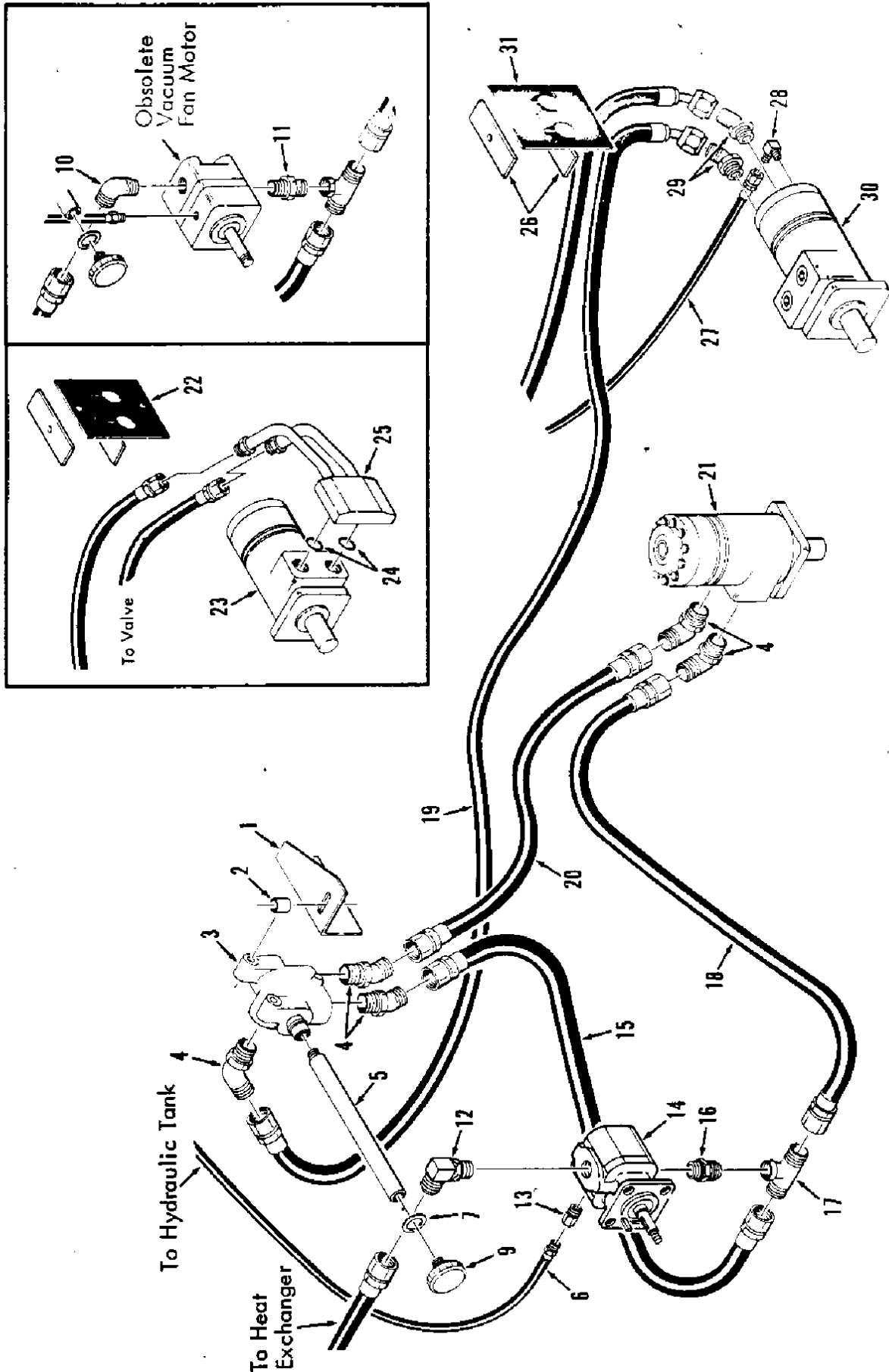


FIG. 4D - SIDE BRUSH, MAIN BRUSH, & VACUUM FAN MOTORS GROUP

FIG. 4D - SIDE BRUSH, MAIN BRUSH, VACUUM FAN MOTORS & RELATED PARTS

Ref. No.	TENNANT Part No.	Description	Qty.
1	54189	BRACKET, Valve mounting	1
2	54188	SLEEVE	1
3		VALVE, Side brush shut-off. Any one of the following valves may be used. Check your machine before ordering parts:	
	48289	VALVE, Gresen Model SM-8	1
	SK1695	SEAL KIT	1
	48108B	VALVE, Dukes-Victor Model SV-25	1
	SK1806	SEAL KIT	1
	48108A	VALVE, Gresen Model S-10	1
	SK1288	SEAL KIT	1
	48108C	VALVE, Cross Model VS-2BLF5	1
	SK1807	SEAL KIT	1
4	*	ELBOW, 45°	3
5	50510	ROD, Sidebrush valve control	1
6	11987	HOSE	1
7	10632-9	GROMMET	1
9	48108A-1	KNOB	1
10	46611	ELBOW	1
11	46607	CONNECTOR	1
12	56827	ELBOW	1
13	76835	CONNECTOR, Case drain hose	1
14	77110	+MOTOR, Vacuum fan (includes hardware)	1
	SK2561	SEAL KIT	1
15	*	HOSE	1
16	47518	NIPPLE	1
17	50421	TEE	1
18	53083-6	HOSE	1
19	*	HOSE	1
20	*	HOSE	1
21	47542	MOTOR, Sidebrush (Alternate Ross)	1
	SK1694	SEAL KIT	1
	47650-12	MOTOR, Sidebrush (Standard Char-Lynn)	1
	47649	SEAL KIT	1
22	** 32103	SEAL, Mainbrush hose	1
23	++SK2810	MOTOR, Main brush (Alternate Ross)	1
	SK1694	SEAL KIT	1
	++SK2810	MOTOR, Mainbrush (Standard Char-Lynn)	1
	47649	SEAL KIT	1
24	++51403	O'RING	2
25	++62302	BLOCK, Porting	1
26	53489	STRIP, Seal retaining	2
27	33794	HOSE	1
28	82825	ELBOW	1
29	42226	ELBOW, 45°	2
30	34423	MOTOR, Mainbrush, Char-Lynn	1
	47649	SEAL KIT	1
31	82799	SEAL, Hose	1
	34330	SLEEVE, Hydraulic	1



\* These fittings and hoses will vary depending on which side brush shut-off valve is used. (see following page).

\*\* To replace seal on machines with serial number up to and including 8671, order SK2386.

+ To replace vacuum fan motor on machines with serial number up to and including 8313, order SK2560. (Seal Kit SK2561 is used for previous motor also).

++ These parts are

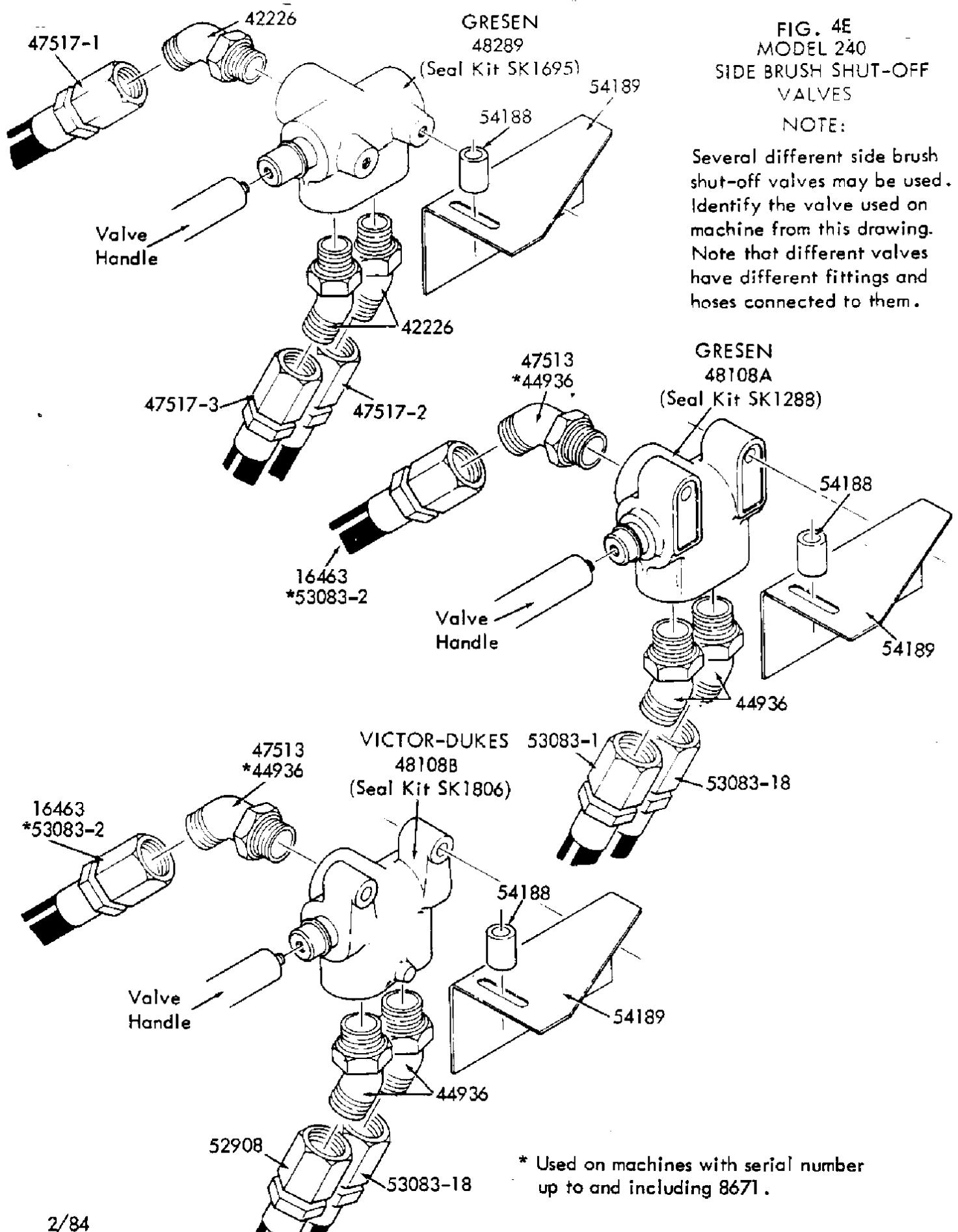
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**FIG. 4E**  
**MODEL 240**  
**SIDE BRUSH SHUT-OFF**  
**VALVES**

**NOTE:**

Several different side brush shut-off valves may be used. Identify the valve used on machine from this drawing. Note that different valves have different fittings and hoses connected to them.



\* Used on machines with serial number up to and including 8671.

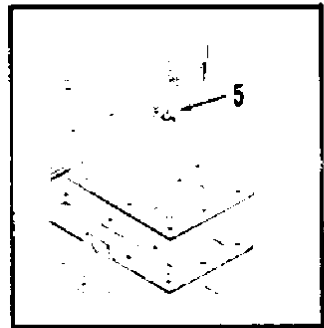
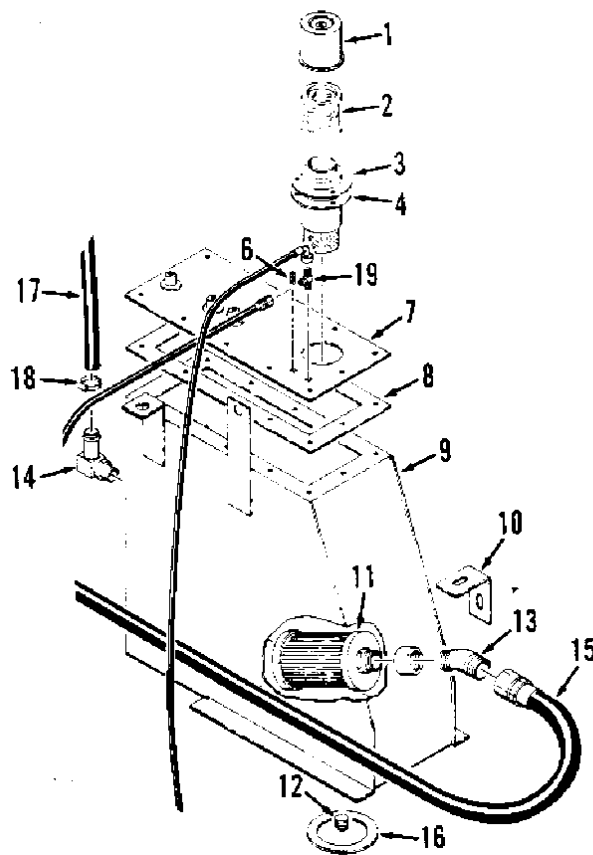


Fig. 4F - HYDRAULIC TANK & RELATED PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
	24900	BREATHER ASSEMBLY, Tank	1
1	24949	COVER, Breather	1
2	24908	ELEMENT, Breather	1
3	24902	BASE, Breather	1
4	23686	GASKET, Breather	1
5	*06507	ELBOW	1
6	48126	PLUG	1
7	53908	COVER, Tank	1
8	53648	GASKET, Tank cover	1
9	47574	TANK, Hydraulic fluid	1
10	53357	BRACKET, Tank, mounting	1
11	51885	STRAINER, Tank sump intake	1
	02546	NIPPLE, Sump filter	1
12	40362	PLUG, Tank drain	1
13	53085	ELBOW	1
14	47895	ELBOW, Barbed (was elbow 51869)	1
15	33723	HOSE	1
16	11715	SEAL	1
17	47896	HOSE, Barbed (was hose #05483)	1
18	11399	CLAMP, Hose	1
19	34369	TEE	1

\* Used on machines with serial number up to and including 8671.

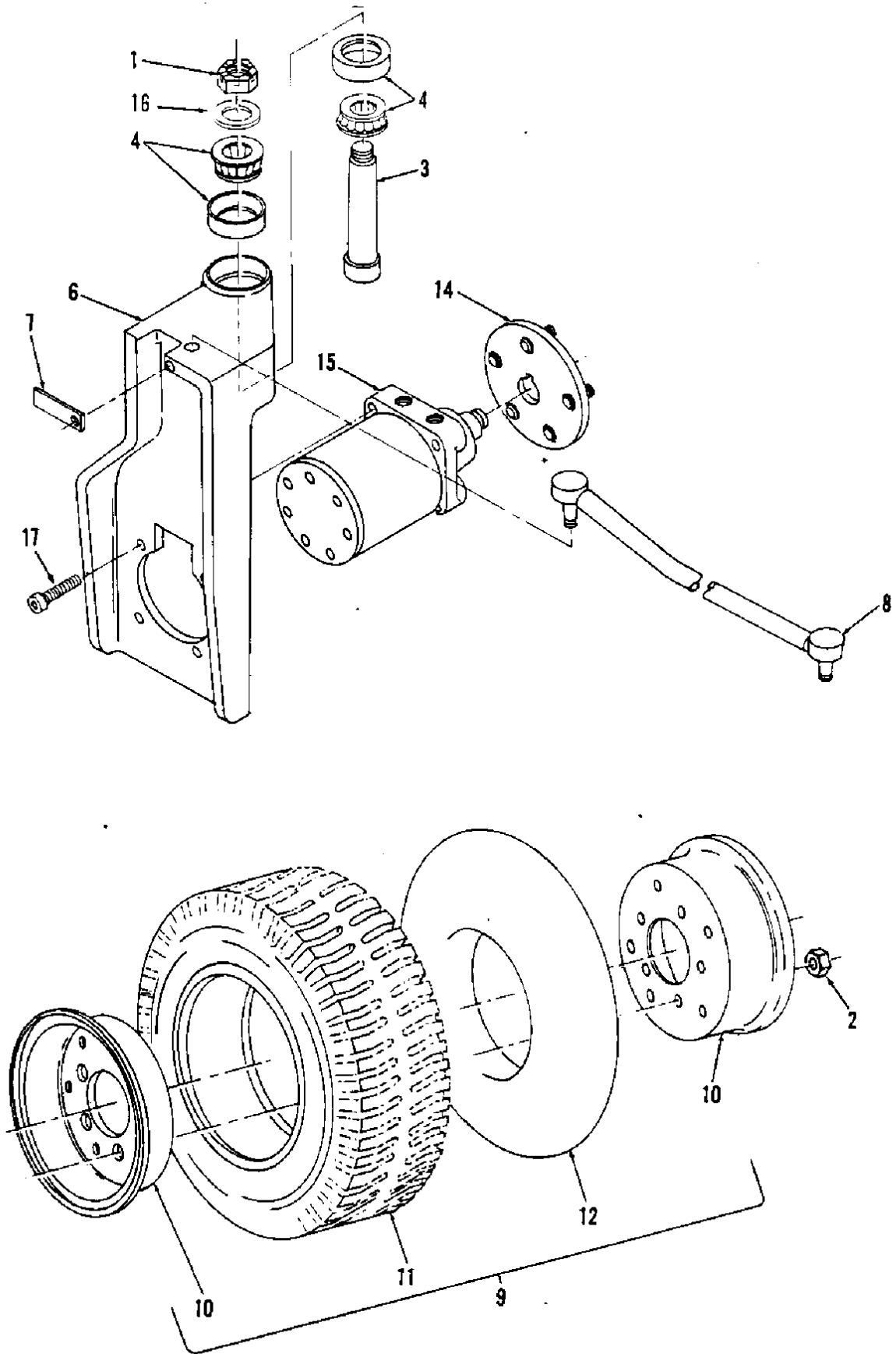


FIG. 5 - REAR WHEEL DRIVE MOTOR, SUPPORT, WHEEL & RELATED PARTS

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FIG. 5 - REAR WHEEL DRIVE MOTOR, SUPPORT, WHEEL, & RELATED PARTS

Ref. No.	TENNANT Part No.	Description	Qty.
1	14242	NUT	2
2	24339	NUT, Wheel (.50" - 20)	5
3	24984	PIN, Support	1
4	49225	BEARING CONE & CUP ASS'Y.(incl. 2 bearings/2cones)	2
6	*53525A	SUPPORT, Drive casting	1
7	53528	BAR, Support, drive casting	1
8	53481	DRIVE LINK	1
9	+47550	WHEEL ASSEMBLY	1
10	53818	Rim Assembly	1 Pair
11	+47525	Tire	1
12	53819-1	Tube, Inner, Tire	1
	45786	CAP, Valve stem	1
	53819-2	FLAP, Tire-tube	1
14	82239	HUB & STUD ASSEMBLY	1
	32126	Stud	5
15	53032	**HYDRAULIC MOTOR (Ross)	1
16	47719	WASHER, Thrust	1
17	39305	SCREW, Socket	4

\*New #53525A Support has thrust washer #47719 on top of upper bearing. Previous Support #53525 did not have a thrust washer. To replace #53525, order SK1796.

+Previous wheel assembly with Goodyear Steelguard tire was #53640. Goodyear Tire was #53819-3. Tube was #53819-1. Flap used with Goodyear tire was #53819-2.

\*\*See "Hydraulic Components" section for hydraulic motor parts.

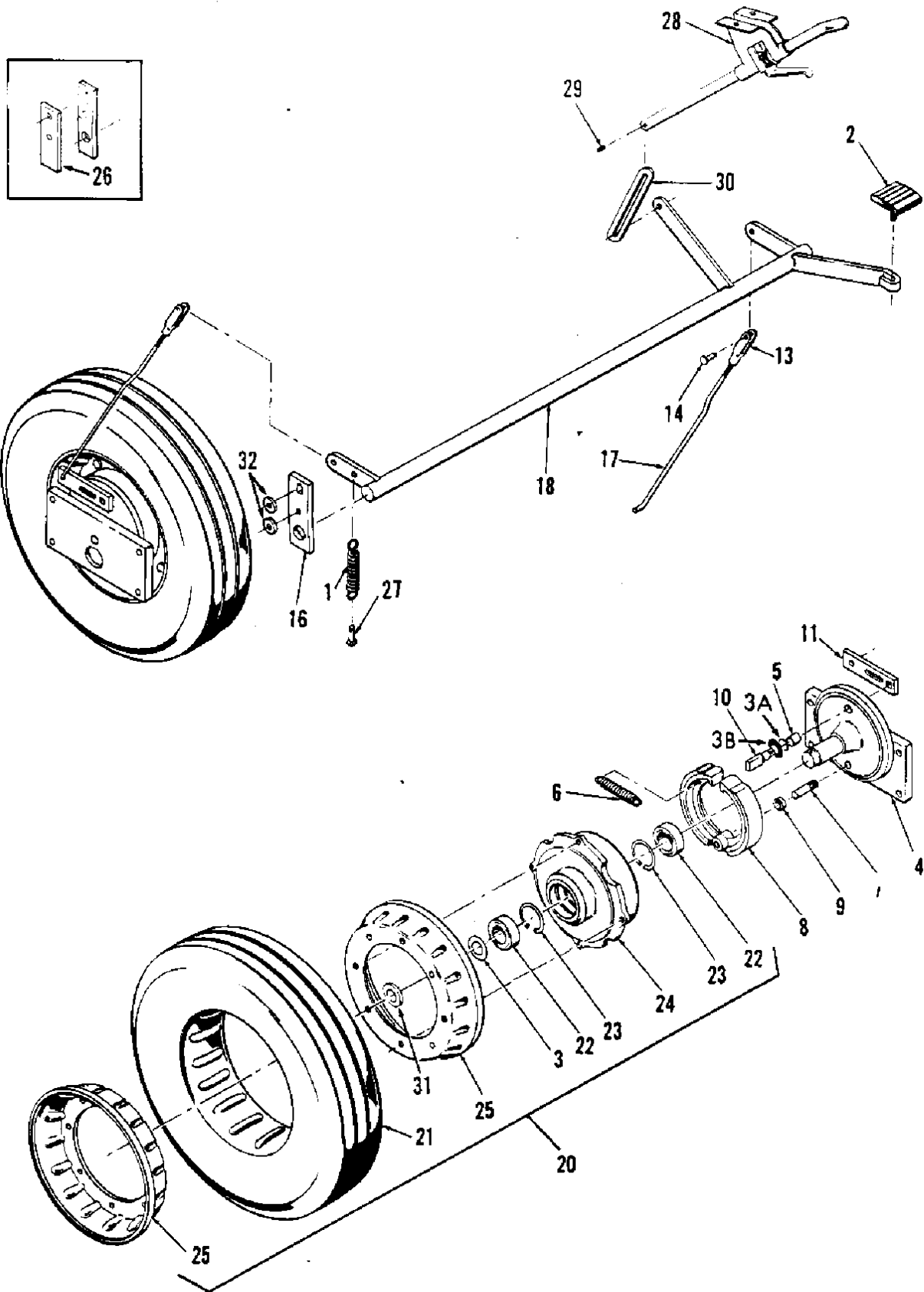


FIG. 6 - FRONT WHEEL & BRAKE PARTS GROUP

FIG. 6 - FRONT WHEEL & BRAKES PARTS GROUP

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Ref. No.	TENNANT Part No.	Description	Qty.
1	03091	SPRING	1
2	07142	PAD, Pedal	1
3	09006	WASHER, Wheel retaining	2
	*19952	FRONT AXLE ASSEMBLY	2
3A	69365-3	O-RING	1
3B	59633	THRUST, Bearing	1
4	19951	AXLE & BUSHING ASSEMBLY	1
5	24992	BUSHING	1
6	09758	SPRING	1
7	10413	PIN, Heel	1
8	10414	SHOE, Brake	2
9	10415	SPACER, Heel pin	1
10	23272	CAM, Brake	1
11	23484	ARM, Brake	1
	20021	PIN, Roll	1
13	14595-1	CLEVIS	2
14	14605	PIN (.25" x .75")	3
16	23280-2	HANGER, Brake shaft	2
17	23483-2	ROD, Brake shaft	2
18	35673	SHAFT, Brake	1
20	47093	FRONT WHEEL ASSEMBLY	2
21	47094	TIRE, zero pressure(16 x 4.00)	1
22	**33816	BEARING	2
23	23244	RING, Retaining	2
24	**33815	HUB, Front wheel	1
25	23411	DISC, Wheel	2
	10552	FITTING, Plug	1
26	+SK2729	SHIM	4
27	28296	PIN, Clevis, 0.25" x 0.50"	1
28	36913	HAND BRAKE ASSEMBLY	1
29	18141	PIN, Roll	1
30	23529-A	STRAP, Hand brake	1
31	33517	SPACER	2
32	64153	WASHER	2

\* To replace the front axle assembly on machines with serial number up to and including 8633, order SK2605.

\*\*To replace these parts on machines with serial number up to and including 8700, order 33836.

+For machines with serial number up to and including 8632.

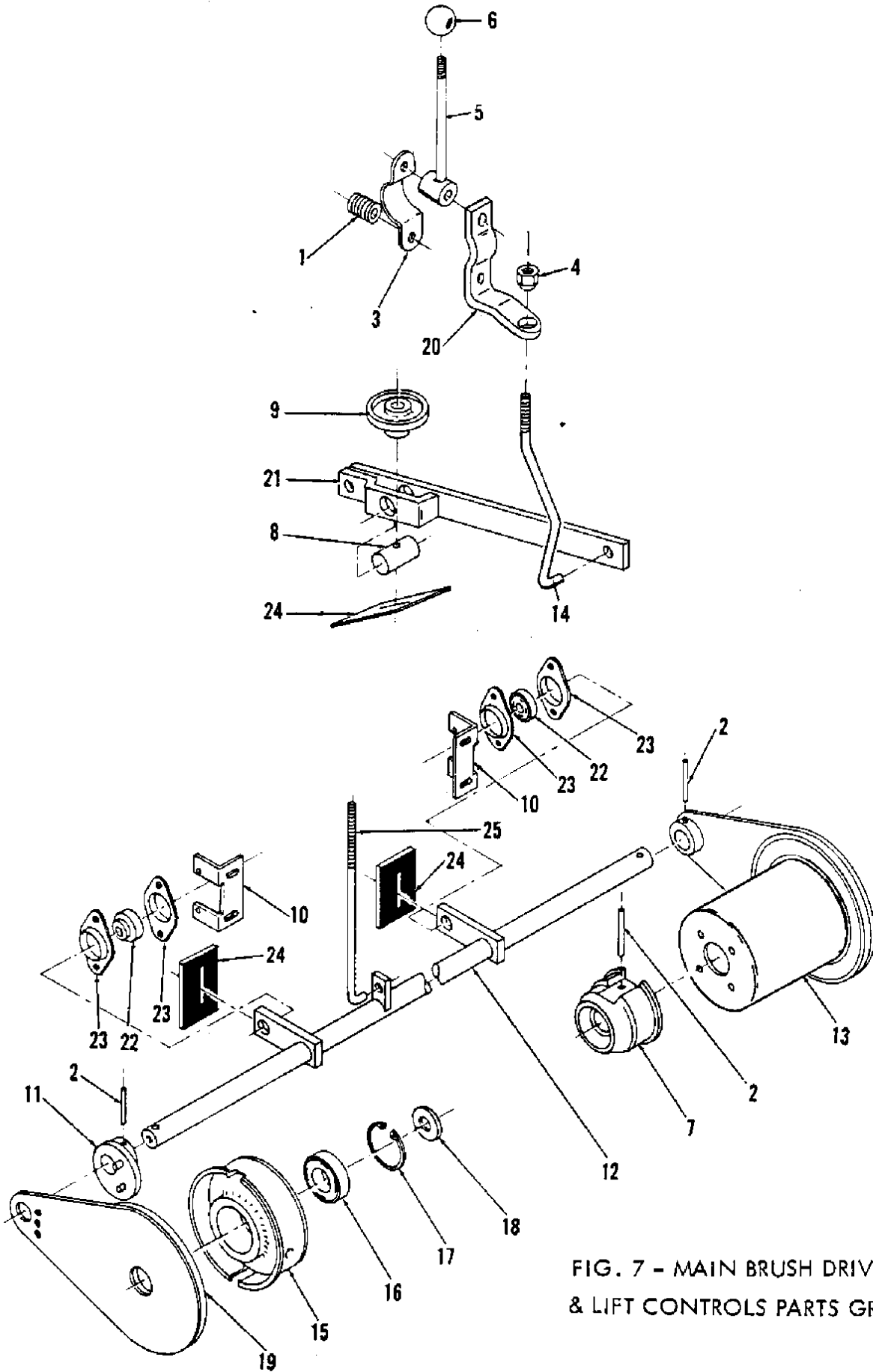
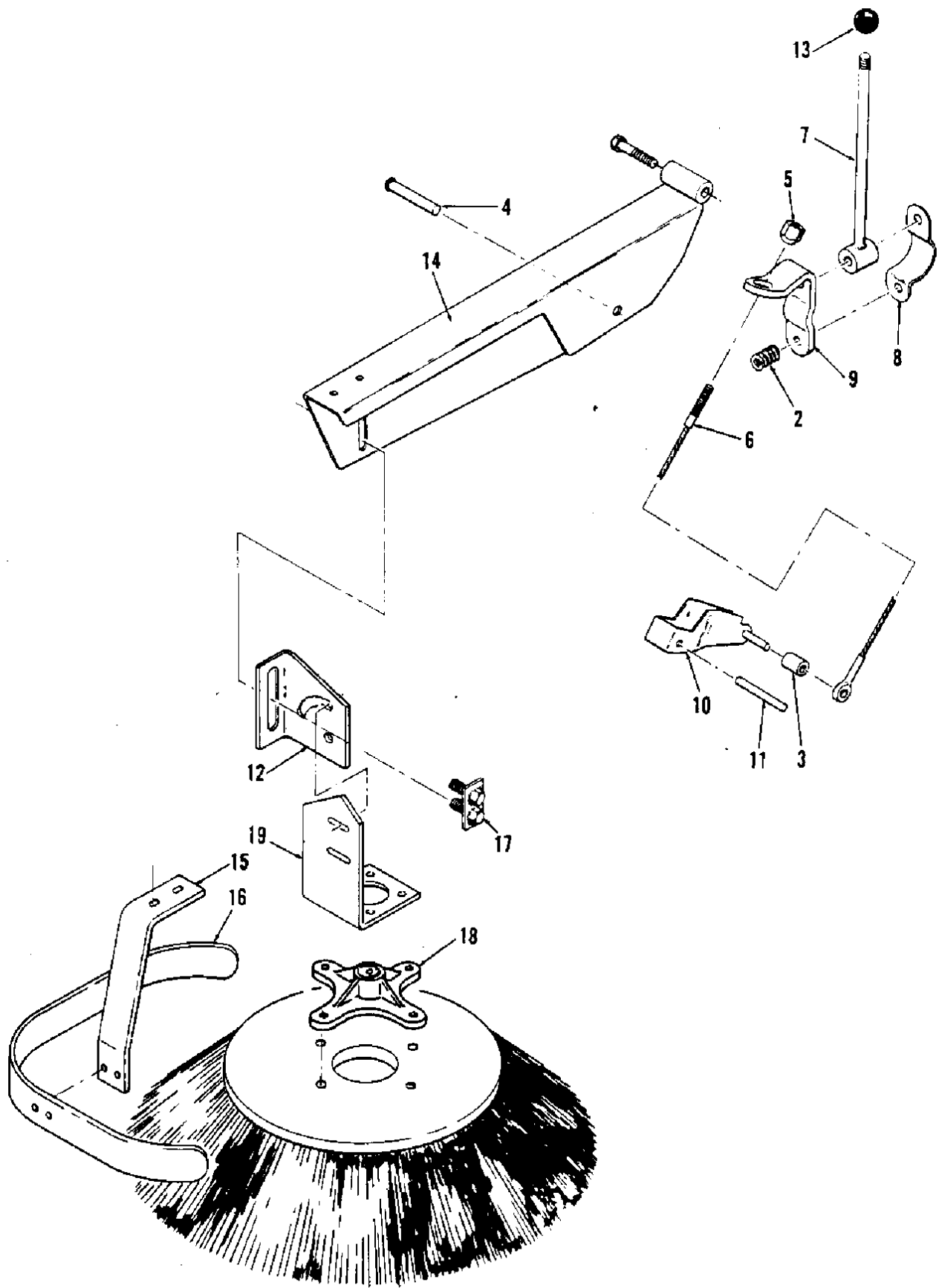


FIG. 7 - MAIN BRUSH DRIVE & LIFT CONTROLS PARTS GROUP

FIG. 7 - MAIN BRUSH DRIVE &amp; LIFT CONTROLS PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	14174	SPRING	1
2	20050	PIN, Roll, (.312" x 1.875")	3
3	23306-1	BRACKET, Clip	1
4	24339	WHEEL NUT (.50" - 20)	1
5	23304	HANDLE	1
6	26156	KNOB	1
7	51036	PLUG, Drive	1
8	51391	PIN, Swivel	1
9	51452	KNOB	1
10	*50521	BRACKET	2
11	53138	HUB ASSEMBLY, Brush	1
12	35674	SHAFT, Counter	1
13	53169	ARM, Brush, Left hand	1
14	53182	ROD, Lift	1
	53187	ARM & PLUG ASSEMBLY, Right hand brush	1
15	51984	Plug assembly, brush idler	1
16	24899	Bearing - Ball	1
17	51046	Ring, retaining	1
18	51564	Washer	1
19	53168	Arm, Brush, Right hand	1
	53985	PLUG, Thread (.50" -13)	1
	36328	WASHER, Belleville.	1
20	23307-1	LEVER, Lift handle	1
21	53876	ARM, Lift	1
22	*23624	BEARING	2
23	*35973	FLANGE	4
24	53906	SEAL, Rubber	3
25	35677	ROD, Lift	1

NOTE: Before Serial No. 7484 , Bearing was #53878, Flange was #53879, & Bracket was #53132. For field replacement, order SK2361.



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FIG. 8 - SIDE BRUSH DRIVE, LIFT CONTROLS, & SUPPORT GROUP

## FIG. 8 - SIDE BRUSH DRIVE , LIFT CONTROLS, &amp; SUPPORT GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
2	14174	SPRING	1
3	22143	SPACER (for 23503A)	1
4	23191	PIN, Clevis (.375" x 3")	1
5	23293	NUT, adjusting (for top 23294)	1
6	23294	CABLE, Lift, side brush	1
7	23304	LEVER, Brush lift	1
8	23306-1	CLIP, Lift arm	1
9	23307-1	ARM, Lift	1
10	23503A	YOKE, Lift, side brush	1
11	23536	PIN, Pivot	1
12	24207	BRACKET, Adjusting	1
13	26156	KNOB, Lift lever	1
14	48062-1	ARM, Side brush support	1
15	46033	SUPPORT, Bumper	1
16	46034	BUMPER, Side brush	1
17	46347	SIDE BRUSH LUG	1
18	47501	ADAPTER, Brush	1
19	43228	BRACKET	1

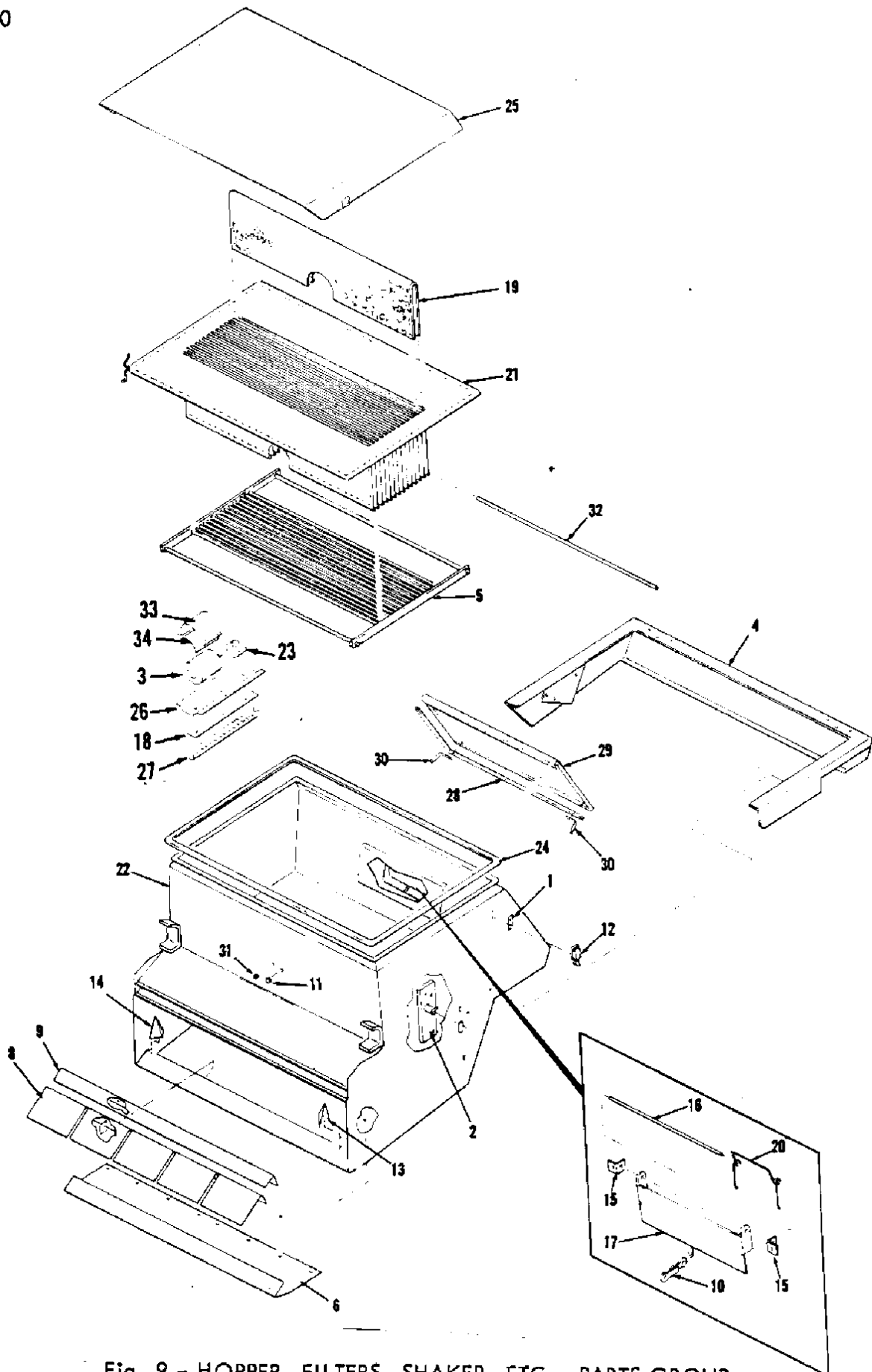


Fig. 9 - HOPPER, FILTERS, SHAKER, ETC., PARTS GROUP



## Fig. 9 - HOPPER, FILTERS, SHAKER, ETC., PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	23515	SPACER	8
2	24097	SUPPORT, Pan, right hand	1
	24096	SUPPORT, Pan, left hand (not illus. see ref. #2)	1
3	+ *54121	MOTOR, Shaker	1
4	46062	BUMPER	1
5	46071	BAG RACK	1
6	46077	PLATE	1
8	48060	LIP	5
9	46080	BACKING	1
10	SK1511	FUSIBLE LINK	1
11	47178-3	PLUG-BUTTON	1
12	48048	CATCH	4
13	46595	DEFLECTOR, Dirt, right hand	1
14	46596	DEFLECTOR, Dirt, left hand	1
15	46087	PIVOT	2
16	46088	HINGE	1
17	51149	FIRE DOOR	1
18	+ 53189	STRIP, Rubber	1
19	53260	SEPARATORS	7
20	51372	SPRING	1
21	53259	BAG, Filter	1
22	53261	FILTER BOX	1
23	+ 53264	WEIGHT, ECCENTRIC	1
24	53244	SEAL, EXTRUSION	1
25	53338	COVER, FILTER BOX	1
26	+ 44980	SUPPORT, Shaker motor	1
27	53421	ROD, CLAMP LOWER	1
28	53461	SEAL	1
29	53462	DOOR, Hopper	1
30	53697	CATCH, Spring	2
31	10632-15	GROMMET, Rubber, 0.251D	1
32	53934	BAR	14
33	+ 44979	STRAP, Shaker motor	1
34	+ 44893	RUBBER, Motor wrap	1
	+ 39317	SCREW, Set	2
	+ 46236	CLAMP, Cable	1

\*NOTE: Shaker motor is sealed to protect it from dust and cannot be repaired.

+ Included in shaker motor assembly 54078.

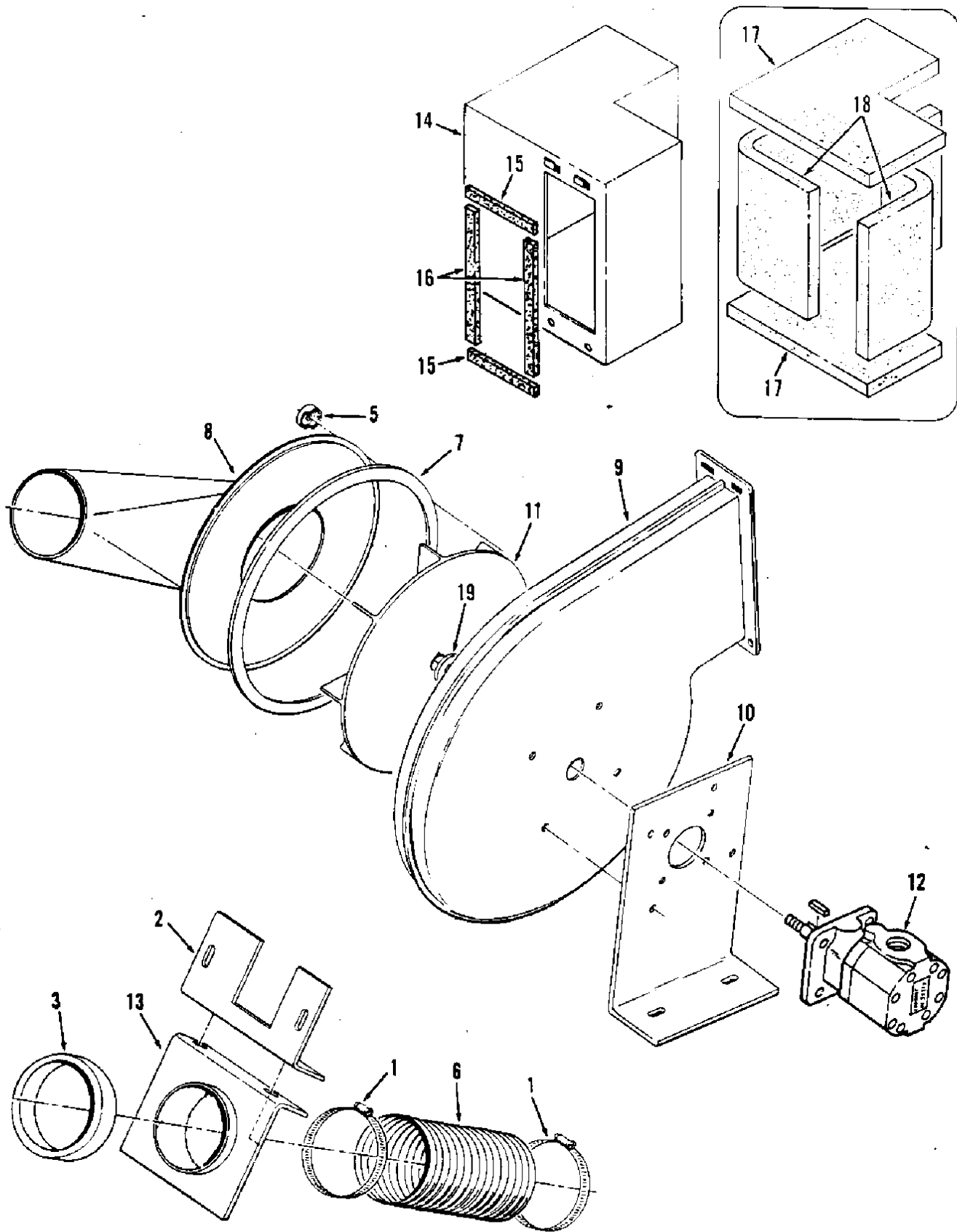


FIG. 10 - VACUUM FAN ASSEMBLY

FIG. 10 - VACUUM FAN ASSEMBLY

Ref. No.	TENNANT Part No.	Description	Qty.
1	23498	CLAMP, Wormdrive	2
2	36906	BRACKET, Hose mounting	1
3	47069	SEAL	1
5	03467A	CLIP, Vacuum housing	4
6	23481	HOSE	1
7	23542	SEAL	1
8	53148	MANIFOLD, Intake	1
	23498	CLAMP	1
9	54304A	HOUSING, Impeller	1
10	54275A	MOUNT, Motor plate	1
	54274	ISOLATOR, Vibration	4
11	56481	IMPELLER	1
12	77110	*MOTOR KIT, Fan	1
	SK2561	SEAL KIT	1
13	36907	ADAPTOR, Hose	1
	55017	MUFFLER ASSEMBLY, Fan	1
14	55726	MUFFLER, Fan	1
15	54271	SEAL, Foam, 3.3" (84 mm)	2
16	54272	SEAL, Foam, 6.6" (168 mm)	2
17	54268	INSULATION, Muffler	2
18	54270	INSULATION, Muffler, side	2
	01430-8	SEALANT, Tube, 1 oz (30 cc)	1
19	32492	WASHER, Flat, 0.38"	1

\*Note: To replace vacuum fan motor on machines with serial number up to and including 8313, order SK2560. (Seal Kit is SK2561 for old and new motors).

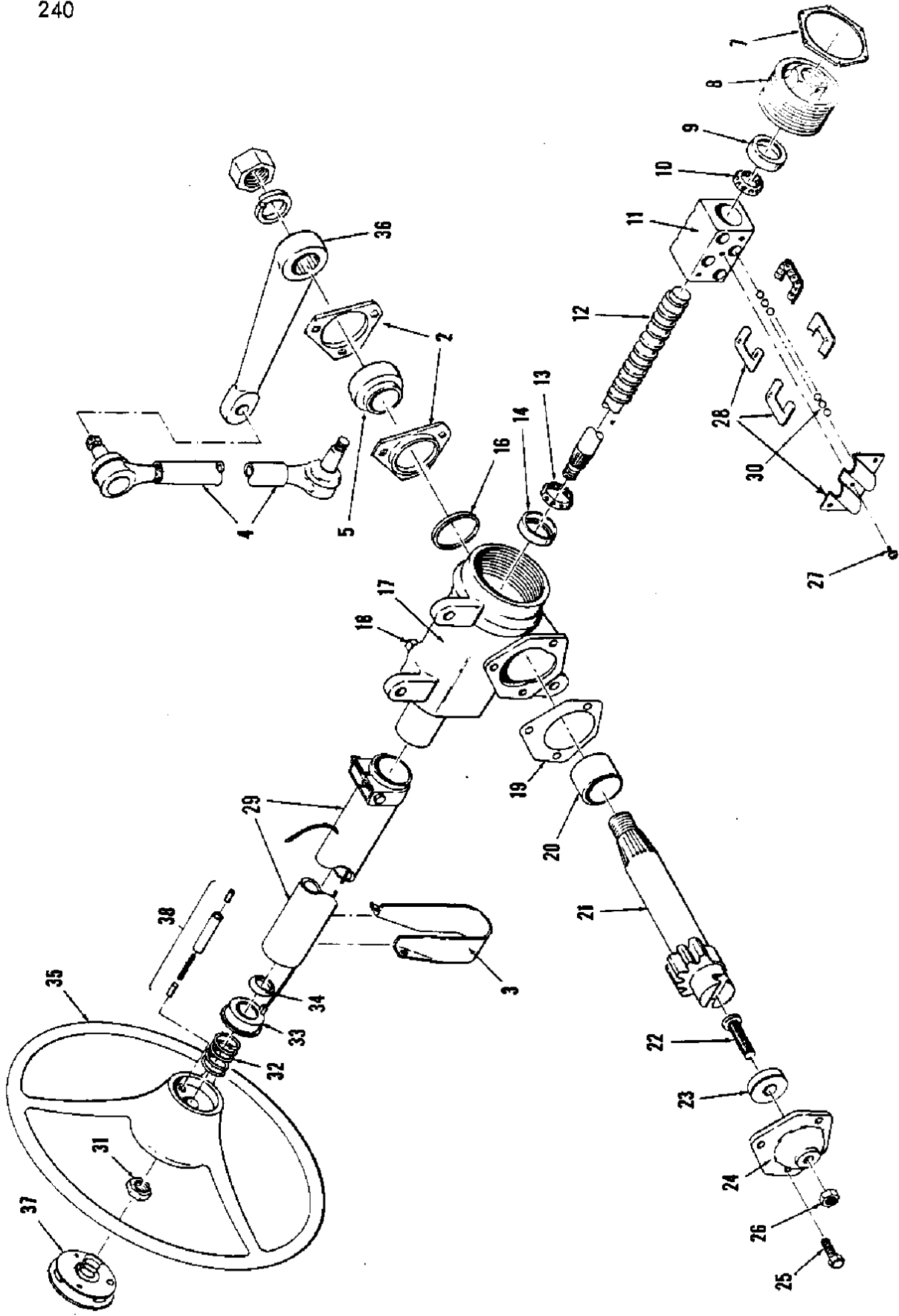


Fig. 11 - STEERING WHEEL, COLUMN & LINKAGE PARTS GROUP

## Fig. 11 - STEERING MECHANISM PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
	09385	CLAMP, Cable	1
2	**51449	RETAINER, Bearing	2
3	23315-2	SUPPORT, Steering column	1
4	53481	STEERING LINK	1
5	**48050-1	BEARING	1
6	* 47007	COLUMN & GEAR ASSEMBLY	1
7	5676217	Worm bearing adjuster lock nut	1
8	5666682	Worm bearing adjuster	1
9	5666683	Lower worm bearing cup	1
10	5666693	Lower ball bearing	1
11	5666886	Ball nut	1
12	5695954	Wormshaft	1
13	5666693	Upper ball bearing	1
14	5666683	Upper worm bearing cup	1
16	5670325	Seal	1
17	5692534	Housing	1
18	103868 or 444746	Filler plug	1
19	5666734	Gasket	1
20	266316	Sector shaft bushing	1
21	5677096	Sector and shaft	1
22	266678	Lash adjuster	1
23	266903, 5, 7, 9	Lash adjust shim	1
24	5666722	Housing side cover and bushing assembly	1
25	179837	Side cover bolts	3
26	114496	Lash adjuster lock nut (7/16"-20 jam nut)	1
27	187375	Ball guide clamp screw	1
28	5676232	Ball guide assembly	1
29	5695956	Column	1
30	266800	Balls	54
31	114496	Nut, steering wheel (.50"-20 jam nut)	1
32	264832	Spring	1
33	5695951	Bearing and cable assembly	1
34	264831	Seat, spring	1
35	47008	WHEEL	1
36	53482	ARM, steering (front)	1
37	47010	HORN BUTTON	1
38	46311	BRUSH UNIT, Horn	1

\* Column & Gear Assembly part numbers are Saginaw part numbers.

\*\*NOTE: Before Serial No. 7484, Bearing #48050-1 was 53043; Retainer #51449 was #53044. For field replacement, use SK2360.

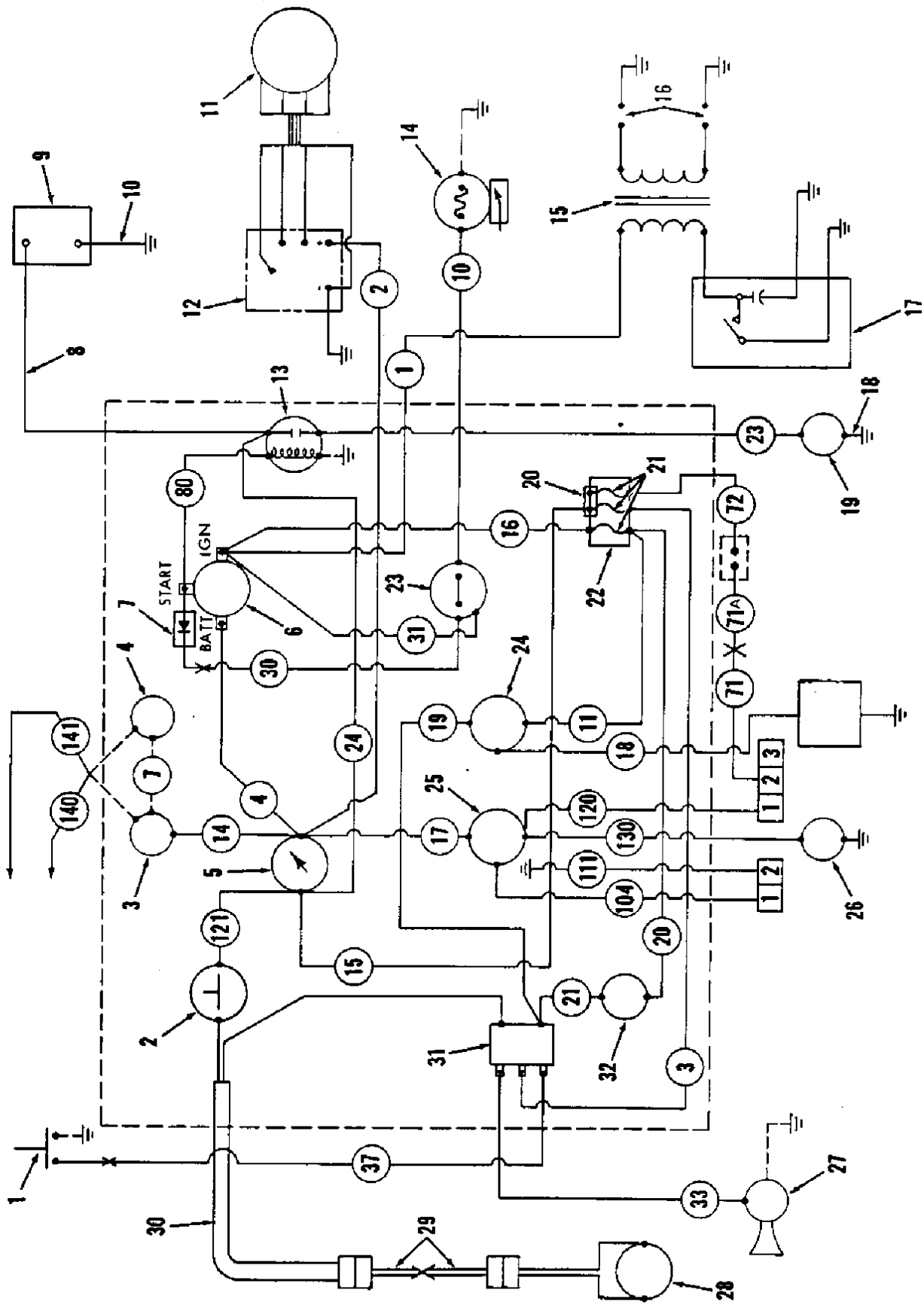


FIG. 12 - ELECTRICAL DIAGRAM - STANDARD MACHINE

FIG. 12 - ELECTRICAL DIAGRAM -STANDARD MACHINE

Ref. No.	TENNANT Part No.	Description	Qty.
1	47010	BUTTON, Horn	1
2	44078	SWITCH, Shaker Motor	1
3	14137	*SWITCH, Light, flasher/revolving	1
4	24576	*FLASHER, Flashing light	1
5	14127	AMMETER	1
6	62530	+SWITCH, Ignition	1
	62530-1	KEY, Ignition switch	1
7	50565	DIODE ASSEMBLY, L.P. Only	1
8	29830-9	CABLE, Positive battery	1
9	26771	BATTERY, 12 volt	1
10	40681-1	CABLE, Negative battery	1
11	**	ALTERNATOR, Flywheel	1
12	**	REGULATOR	1
13	47356	SOLENOID, Starter motor	1
14	53395-2	FILTER-FUELOCK, L.P. fuel	1
15	**	COIL, Ignition	1
16	**	SPARK PLUG	2
17	**	POINTS SET, Ignition	1
18	29832-4	CABLE, Engine grounding	1
19	**	MOTOR, Starter	1
20		STRIP, Terminal	1
21	14215	FUSE, 20 amp	5
22	44080	BLOCK, Fuse	1
23	51805	SWITCH, Oil pressure, L.P. only	1
24	47472	*GAUGE, Fuel	1
25	14137	*SWITCH, Headlight	1
26	22465	*LIGHT, Spot	1
27	14138A	HORN	1
28	54121	MOTOR, Shaker	1
29	53028-1	LEAD, Shaker motor	1
30	24108	LEAD, Shaker motor	1
31	32300	RELAY, Horn	1
32	24518	*METER, Engine hour	1
	54412	++HARNESS, Wire, includes wires: 1, 2, 10, 18, 23, 33, 37, 71, 104, 111, 4120, 130, 140, 141	1
	54418B	HARNESS, Wire, includes wires: 3, 4, 7, 11, 14, 15, 16, 17, 19, 20, 21, 24, 30, 31, 80	1

\* Parts included as part of an accessory

\*\* See "Engine Parts" section for part number

+ Previous ignition switch was 47485; to replace, order SK1640

++ Before serial number 3714, wire harness was 53184

MODEL 240 - LIST OF DECALS

TENNANT Part No.	Description	Qty.
53348B-2	Decal, Filter element	1
53920	Decal, Filter Shaker	1
24669	Decal, Fram Air Cleaner	1
48242	Decal, Alternator	1
52013	Decal, Engine Throttle, Open-Close	1
47852	Decal, Caution, Battery Leads	2
51773	Decal, Main Brush Lift	1
65072 (Hi-Dump)	Decal, Caution, Hopper	1
54517 (Hi-Dump)	Decal, Roll In-Out	1
23144 (Sweepers)	Decal, Tire Pressure	1
54299 (Scrubbers)	Decal, Tire Pressure	1
19048	Decal, Gasoline Only	1
36603	Decal, Patent	1
53331	#240, Bluegreen letters	2
53050	Decal, TENNANT, White letters	1
47454	Decal, UL Type "G"	1
10735	Data Plate, UL Label, Type LP	1
45579	Decal, Factory Mutual, Type "G"	1
45580	Decal, Factory Mutual, Type "LP"	1
55375 (Hi-Dump)	Decal, Caution, Stay Clear	2
53372A	Data Plate #240	1
37089 (Hi-Dump)	Decal, Caution, Travel Slowly	1
47892	Decal, Caution	2
24049	Data Plate, LP	1
55373 (Hi-Dump)	Caution, Safety Arm	4
47681	Decal, Valve, Hopper, Up-Hold	1
47852	Decal, Caution, Battery Leads	1
54135	Decal, Vacuum Attachment	1
45851	Decal, Hydraulic fluid	1
28613-2	Decal, TENNANT Oval, black letters	1
48088-6	Decal, Instructions	1
54103	Decal, Maintenance	1
45742-1	Decal, TENNANT, Black letters	1
45742-2	Decal, TENNANT, Black letters	1
24507	Decal, Caution, This Side Out	1
53322	Decal Kit	1
69181-3	Decal for Pump #69181	1
37035-1	Decal for Motor 37035-1	1
50550-2	Decal for Pump 50550	1
53733-2	Decal for Motor 53733	1
62550-1	Decal for Valve 62550	1
24892	Data Plate, Machine Attachment	1
46276	Decal, Scrubber	1
44695	Decal, Scrubbing Instructions	1
53613	Decal, Caution, Disconnect Batteries	1
46847	Decal, Detergent Receptacle	1
56111	Decal, LP, Engine	1
53997	Decal, Caution-Starter	1
24787	Decal, Warning-Windro Broom	1
43566	Decal, Water Control	1
32397	Decal, Hydraulic fluid	1

Note: For Decal Location order 37001-1 (Hi-Dump); 53930-2 (Standard)



# 240 HI-DUMP POWER SWEEPER

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## NOTE:

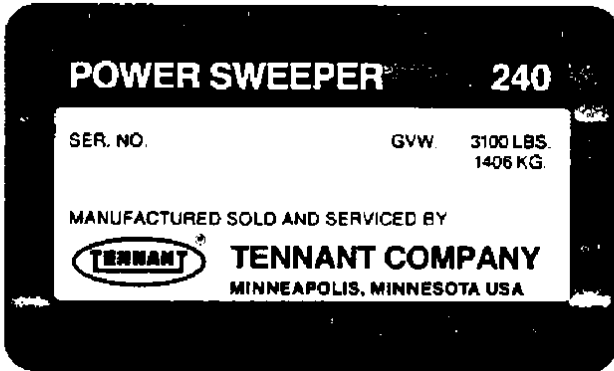
When alternate part numbers are listed for hydraulic motors, valves, cylinders, oil filters, etc., you must check your machine to determine which component was used. This must be done before ordering replacement components, seal kits, hydraulic oil filters, etc. Because hydraulic hoses are changed frequently, it is a good idea to double-check the hose number listed in the manual by looking at the actual hose you wish to replace. The hose part number is stamped on the metal end near the hex.



## ORDERING REPAIR PARTS

To avoid errors or delays in filling parts orders, please furnish all of the following information.

1. Always specify the machine model number and the machine serial number shown on the machine data plate.



2. Give the part number, description, and the quantity needed of each item on the order. Do not order by reference number or the figure number of the illustrated parts.
3. Indented items indicate parts of assemblies. Standard hardware is furnished only when part of a purchased assembly. Please order hardware from a local hardware supplier.
4. If the old part cannot be identified, send it to us with the quantity needed specified on the order.
5. State definite shipping instructions to include the shipping address and/or the billing address if there is a difference. Any claim for loss or damage to a shipment in transit should be filed promptly against the transportation company making the delivery. Shipments will be complete unless the packing list or order acknowledgement indicate items back ordered.

If parts received are suspected to be incorrect or defective, please write, wire, or phone the Tennant Company representative from whom you ordered the part. They will give authorization for return and/or handle replacement shipments when required.

### SI (INTERNATIONAL SYSTEM) UNITS OF MEASURE

Metric equivalents have been included, where applicable, throughout this parts catalog.

### BOLT AND CAP SCREW STRENGTH IDENTIFICATION

Bolts and cap screws required to have high-strength qualities equivalent to SAE Grade 8 are identified throughout this catalog by the description GR 8. Unless identified by this description, all standard bolts and cap screws are SAE Grade 5.

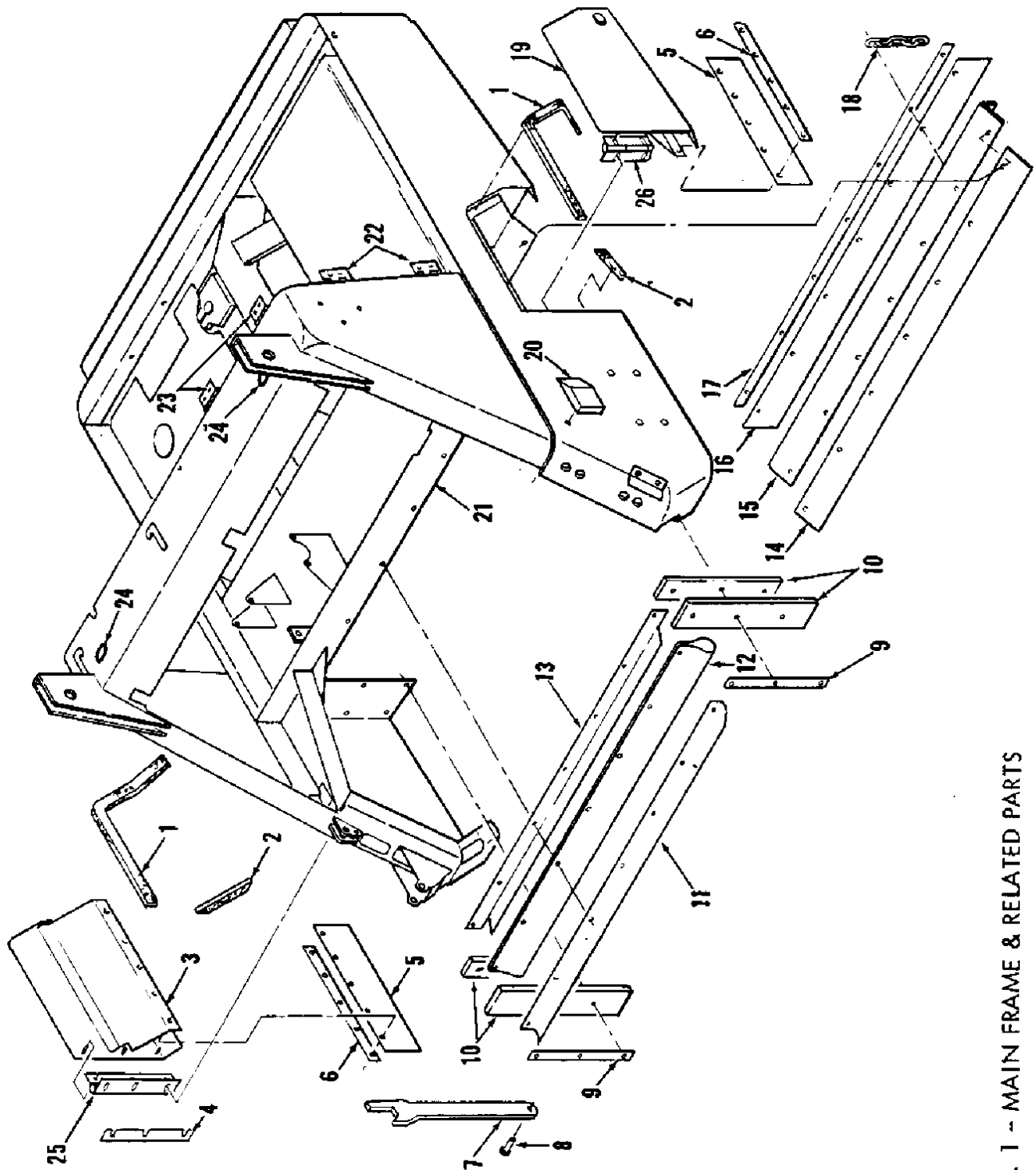


FIG. 1 -- MAIN FRAME & RELATED PARTS

FIG. 1 - MAIN FRAME &amp; RELATED PARTS

Ref No.	TENNANT Part No.	Description	Qty.
1	53052	SEAL, Brush door	2
2	53974	SEAL, Brush door	2
3	*32878	DOOR, Brush R.H.	1
4	23752-1	SHIM, Brush door (no longer used)	1
5	23275	SKIRT, Brush door	2
6	45857	RETAINER, Brush door skirt	2
7	32368	ARM, Hopper stop	1
8	36994	PIN, Safety arm	1
9	23384-2	RETAINER, Side seal	2
10	23382	SEAL, Hopper side	4
12	23386	SEAL, Pan	1
13	50447	RETAINER	1
14	53298	SKIRT, Rear	1
15	53219	ANGLE, Rear skirt mounting	1
16	53137	SKIRT, Rear	1
17	23268-1	RETAINER, Rear skirt	1
18	09342	CHAIN, Static drag	1
19	**32881	DOOR, Brush L.H.	1
20	36976	BUMPER, Side L.H.	1
21	32606	FRAME, Main	1
22	47692	HINGE, Engine side door	2
23	47700	HINGE, Engine hood	2
24	36950	GROMMET	2
25	19842	*HINGE, Brush door, R.H.	1
26	19843	**HINGE, Brush door, L.H.	1

\*Note: Brush door 32878 with bolt-on hinge 19842 replaces previous door 53293-1 with welded on hinge. To replace old-style door 53293-1, order SK2513.

\*\*Note: Accessory door 32881 with bolt-on hinge 19843 replaces previous door 53291-1. To replace 53291-1, order SK2512.

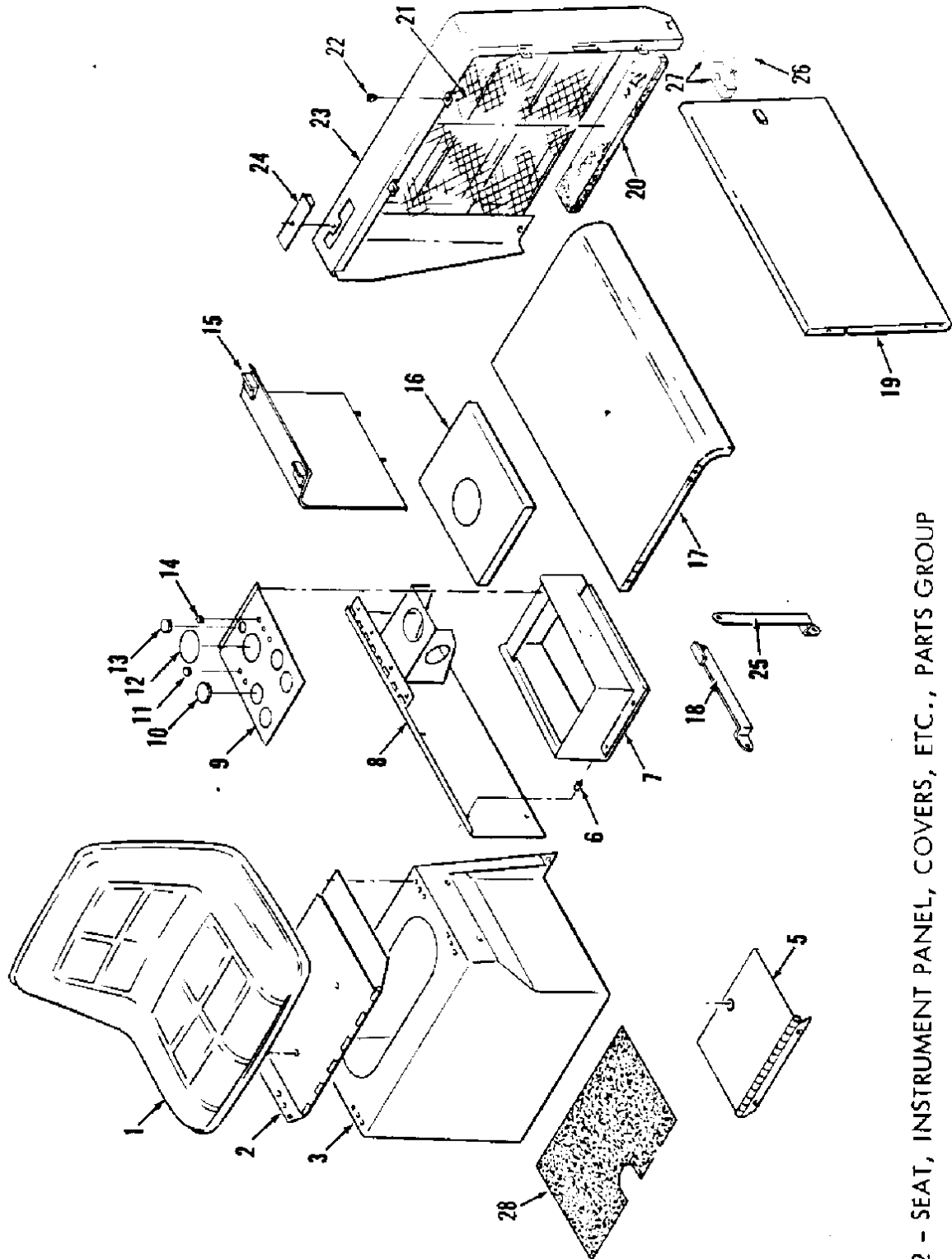


Fig. 2 - SEAT, INSTRUMENT PANEL, COVERS, ETC., PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	53871	SEAT	1
2	53844	MOUNT, Seat	1
3	53100	SUPPORT, Seat	1
5	53465-3	COVER, Battery	1
6	53051A	SLEEVE	1
7	54721	BOX, Instrument	1
8	47587	PANEL, Engine cover (Standard air filter)	1
	47587-3	PANEL, Engine cover (W/Farr filter)	1
9	53513	PANEL, Instrument	1
10	47178-12	PLUG-BUTTON	2
11	47178	PLUG-BUTTON	4
12	24520-1	PLATE, Hole cover	1
13	47178-13	PLUG-BUTTON	1
14	47178-11	PLUG-BUTTON	1
15	32820	PANEL ASSEMBLY	1
16	53739	PANEL, Engine cover	1
17	54463	HOOD, Engine cover	1
18	37093	ARM, Hinge	1
19	37191	** DOOR, Engine compartment	1
20	54201	INSULATION, Rear shroud	1
21	53324	GRILL	1
22	51787	BUMPER, Engine cover hood	2
23	37187	*** SHROUD, Rear	1
24	53127	PLATE, Cover	1
25	37091	ARM, Hinge	1
	23826	SEAL, Seat support	1
26	63021	STRIP	1
27	64903	CATCH, Door	1
28	32270	TREAD, Floor	1

\*\* Engine compartment door #37191 was #53581, which had a built-in latch.  
To replace #53581, order SK2330.

\*\*\* New shroud #37187 was #53730; to replace #53730, order SK2331.

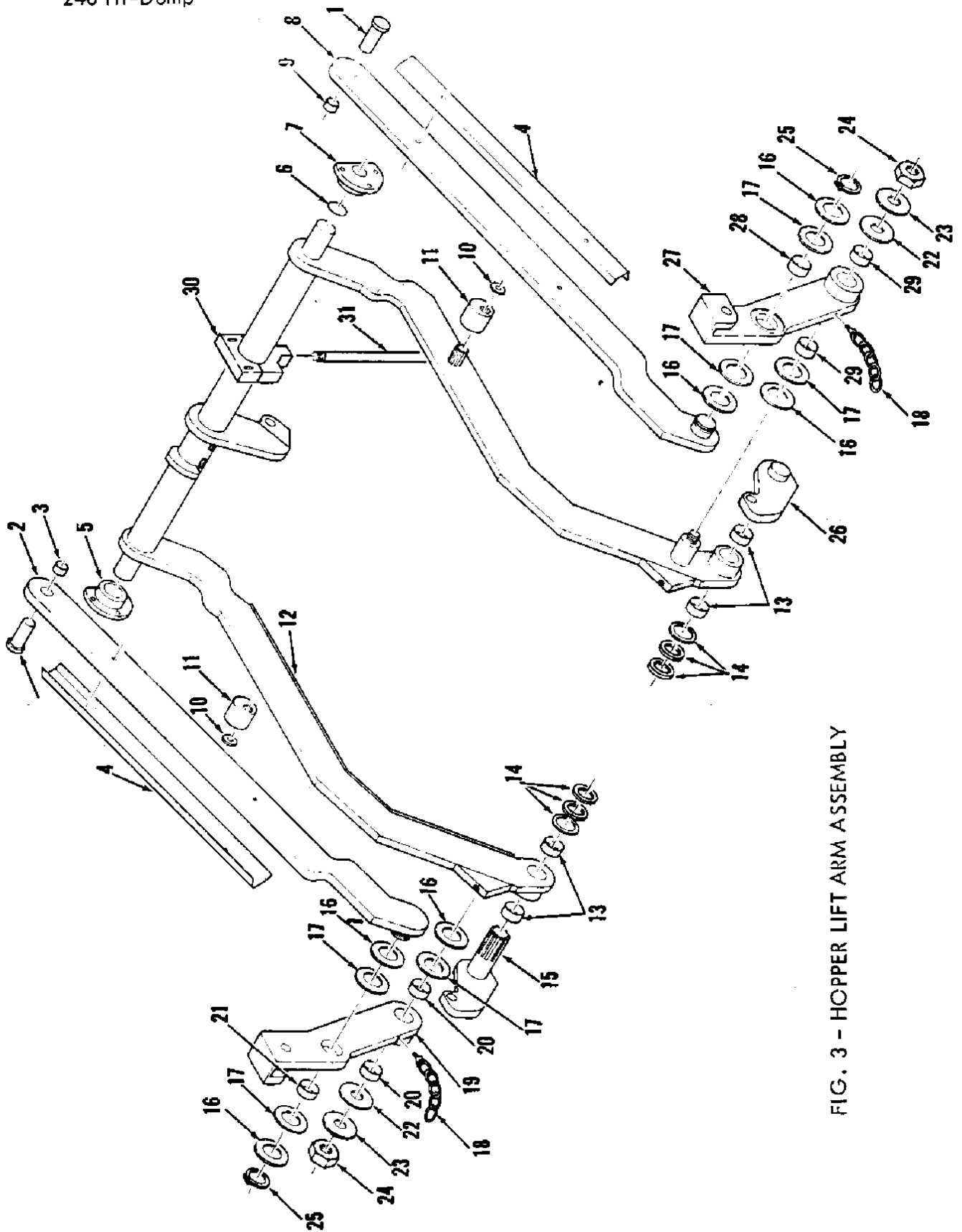


FIG. 3 - HOPPER LIFT ARM ASSEMBLY



FIG. 3 -HOPPER LIFT ARM ASSEMBLY

Ref. No.	TENNANT Part No.	Description	Qty.
1	04733-5	PIN, Upper pivot arm	2
2	35645A-2	ARM ASSEMBLY, Upper pivot R.H.	1
3	35529	BEARING, Journal	1
4	36988	CLAMP, Hose	2
	36989	PAD, Rubber hose	2
5	35631	BEARING, Lift arm R.H.	1
6	23138	SHIM, Lift arm	1
7	35631-1	BEARING, Lift arm L.H.	1
8	35645A-3	ARM ASSEMBLY, Upper pivot L.H.	1
9	35529	BEARING, Journal	1
10	36996	WASHER, Cam	2
11	33541	HUB, Splined	2
12	35512-1	ARM, Hopper lift	1
13	35561	BEARING, Journal	4
14	35629	WASHER	6
15	35640	SHAFT, Torque R.H.	1
16	35615	WASHER	6
17	37139	BEARING, Thrust	6
18	32448	CHAIN & EYEBOLT ASSEMBLY	2
	32440	CHAIN	1
	11893	EYEBOLT	1
19	35621-1	ARM ASSEMBLY, Front pivot R.H.	1
20	35561	BEARING, Journal	2
21	35665	BEARING, Journal	1
22	35666	BEARING, Thrust	2
23	35614	WASHER	2
24	14242	NUT	2
25	35686	RING, Retaining	2
26	35636	SHAFT, Torque L.H.	1
27	35620-1	ARM ASSEMBLY, Front pivot L.H.	1
28	35665	BEARING, Journal	1
29	35561	BEARING, Journal	2
30	35630	BEARING, Center torque tube	1
	35668	BEARING, Journal	1
31	35595	ROD, Tie	1
	48693	SCREW, Hex	2
	25015	NUT, hex	2

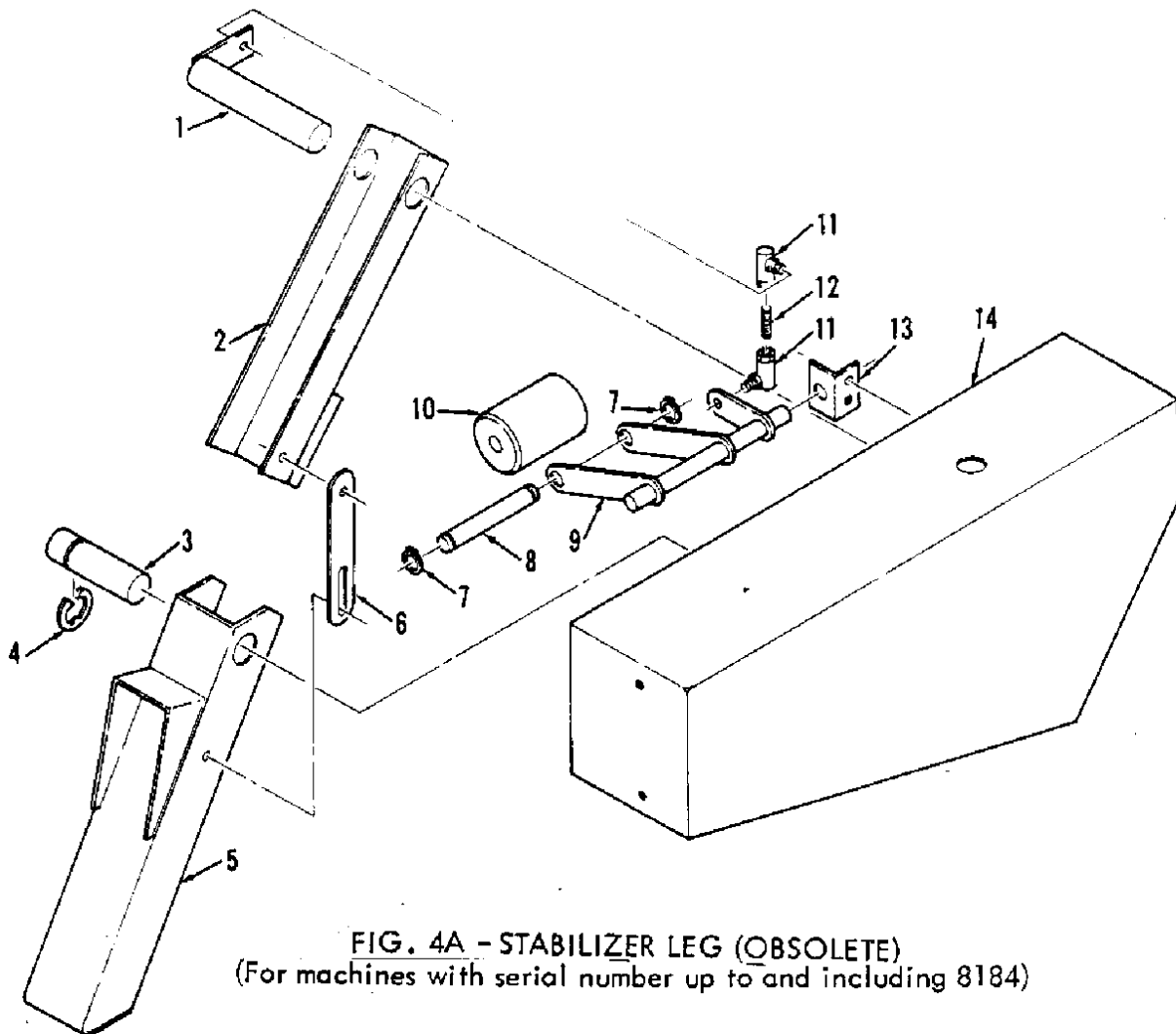


FIG. 4A - STABILIZER LEG (OBSOLETE)  
 (For machines with serial number up to and including 8184)

Ref. No.	TENNANT Part No.	Description	Qty
	36997	LEG ASSEMBLY, Stabilizer	1
1	48968	SHAFT, Pivot	1
2	35533	SUPPORT, Safety leg	1
3	36972	PIN, Safety leg pivot	1
4	23788	RING, Retaining	1
5	35591	LEG, Stabilizer	1
6	35527	LINK	1
7	23524	RING, Retaining	2
8	48954	PIN, Roller	1
9	*45794	SHAFT, Roller	1
10	48957	ROLLER	1
11	14601	BALLJOINT	2
12	36971	STUD	1
		NUT (.25" - 28)	1
13	*45795	BRACKET, Roller shaft	1
14	*45797	BUMPER	1

\* Note: Before serial no. 6454, Shaft #45794 was 48972; Bracket #45795 was 35549; Bumper #45797 was 35517. To replace, order SK2064.

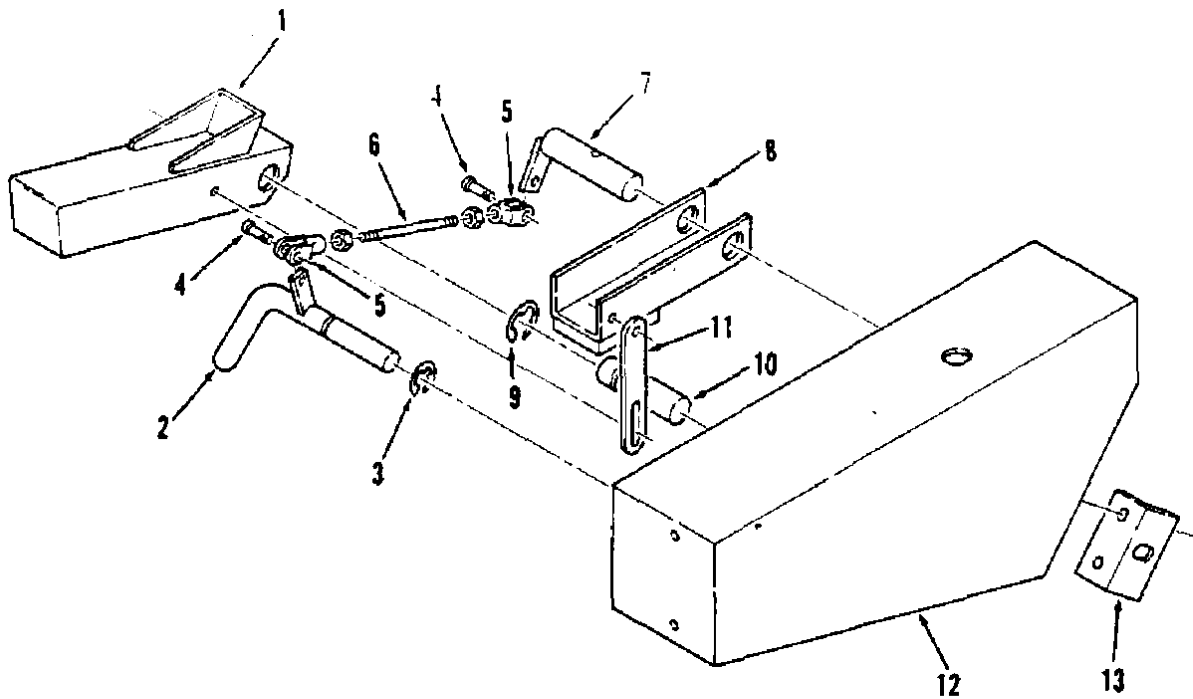
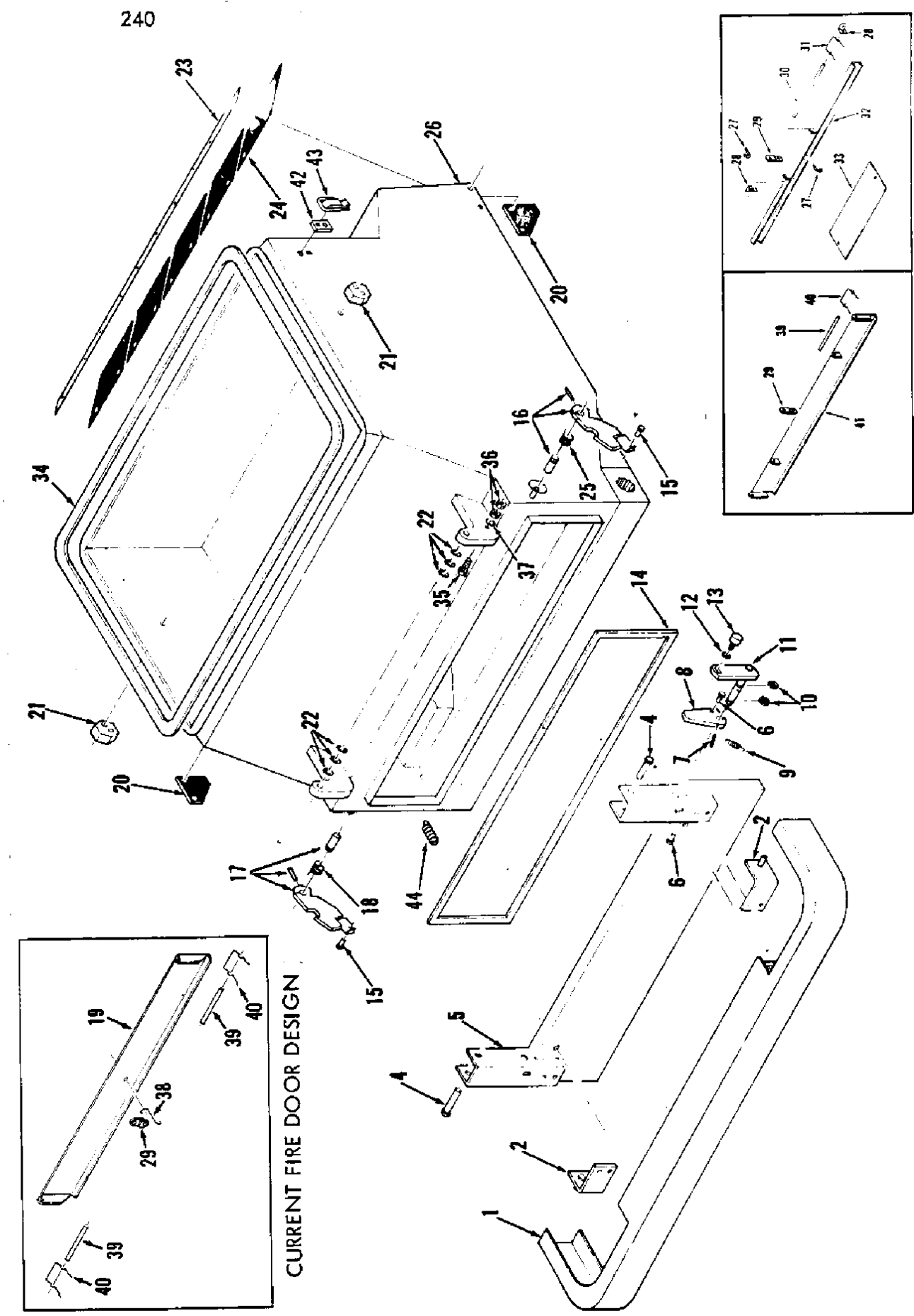


FIG. 4 - STABILIZER LEG  
(For machines with serial number 8185 and above)

Ref. No.	TENNANT Part No.	Description	Qty.
	32286	STABILIZER LEG ASSEMBLY	1
1	35591	LEG, Safety	1
2	SK2606	LEVER	1
3	23788-1	RING, Retaining	1
4	51727	PIN, Clevis	2
5	14595-1	CLEVIS, Adjustable	2
6	SK2607	ROD, Threaded	1
7	32277	PIVOT, Shaft	1
8	35533	SUPPORT, Safety leg	1
9	23788	RING, Retaining	1
10	36972	PIN, Grooved	1
11	35527	LINK	1
12	32282	BUMPER, L.H.	1
13	24528	BRACKET, "L"	1



OBSOLETE FIRE DOOR DESIGNS

FIG. 5 - HOPPER & RELATED PARTS

## FIG. 5 - HOPPER &amp; RELATED PARTS

Ref. No.	TENNANT Part No.	Description	Qty.
1	35560	BUMPER	1
2	36984	BRACKET, Door latch	2
3	35588	NUT	2
4	04733-3	PIN, Hopper door pivot	2
5	35526	DOOR, Hopper	1
6	51727	PIN, Clevis	2
7	23146	*PIN, Roll, 0.18" OD, 1.62" long (old style)	1
7	46585	*PIN, Roll, 0.18" OD, 1.38" long (current style)	1
8	37074	*BRACE, Hopper door	1
9	28387	SPRING	1
10	23788-1	RING, Retaining	2
11	37073	*SHAFT, Hopper door latch trip	1
12	35546	SLEEVE	1
13	48930	ROLLER	1
14	37061	SEAL, Hopper door	1
15	10120	PIN, Clevis	2
16	37078	LATCH ASSEMBLY, L.H.	1
17	37079	LATCH ASSEMBLY, R.H.	1
18	48928	SPRING, R.H.	1
19	32811	DOOR, Fire	1
20	37021	LIP, Hopper side	2
21	36995	CAM	2
22	35540	SHIM	6
23	53758	RETAINER	1
24	35607	LIP, Hopper lower	5
25	48927	SPRING, L.H.	1
26	37057	**HOPPER	1
27	53698	HOOK, Fusible link	2
28	46087	BRACKET, Fire door pivot pin	2
29	SK1511	LINK, Fusible	1
30	46088	PIN, Fire door pivot	1
31	28564	SPRING, Fire door	1
32	53703	DOOR, Fire	1
33	53693	BAFFLE, Fire door	1
34	53244	SEAL, Hopper cover	1
35	***	CAPSCREW, (.312" - 18 x 1.375")	1
36	***	NUT, (.312" - 18)	2
37	***	WASHER, Springlock, (.312")	1
38	35559A	HOOK, Fuse	1
39	35555	PIN, Fire door pivot	2
40	51372	SPRING, Fire door	2
41	SK2398	DOOR, Fire	1
42	37085	STRIP, Latch	8
43	37083-1	LATCH, Cover	4
	35558A	BRACKET, Hinge (used on previous fire door 35557A)	2
44	29545	SPRING	1

\* To replace old style hopper door brace, hopper door latch trip shaft, and roll pin, order SK2003.

\*\* For machines with serial numbers less than 6070, order SK2060.

\*\*\* Used only on machines with serial numbers less than 6070.

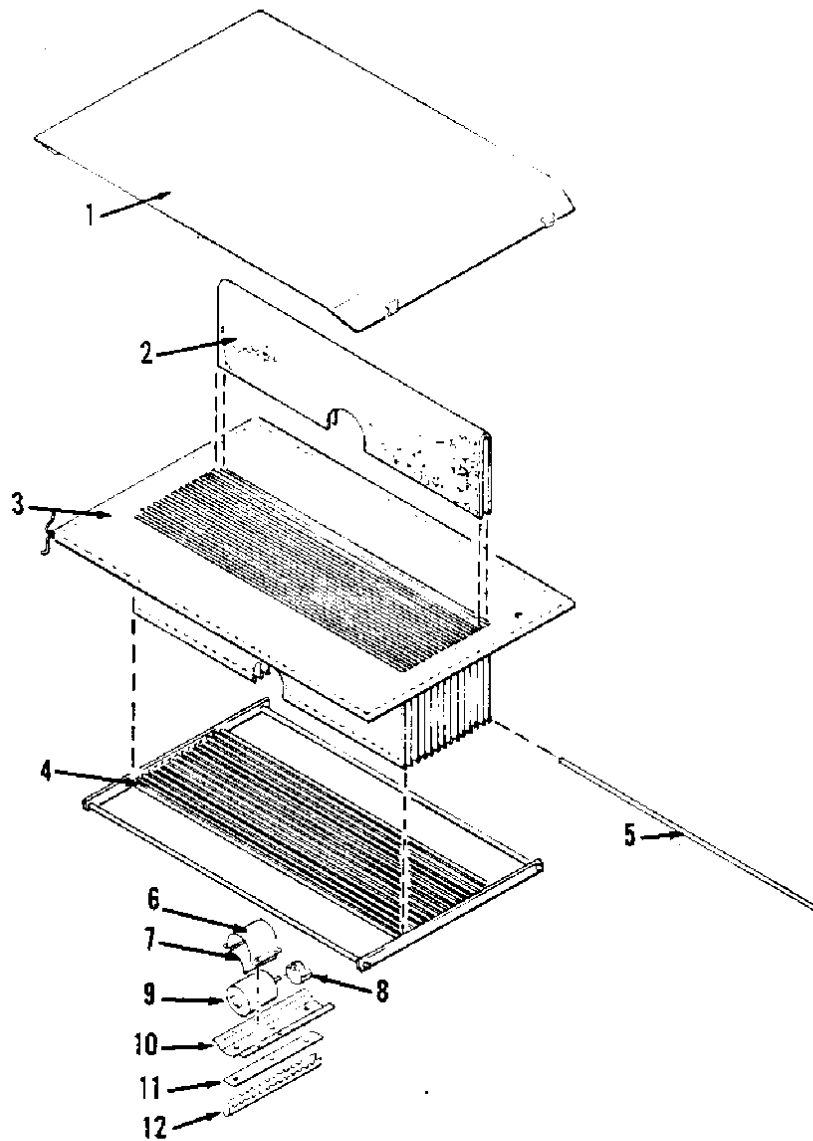


FIG. 6 - DUST FILTER & SHAKER MOTOR

Ref. No.	TENNANT Part No.	Description	Qty.
1	53338	COVER, Filter box	1
2	53260	SEPARATORS	7
3	53259	BAG, Filter	1
4	46071	RACK, Bag	1
5	53934	BAR	14
	54078	SHAKER MOTOR ASSEMBLY	1
6	44979	STRAP, Shaker motor	1
7	44893	BAR, Rubber	1
8	53264	WEIGHT, Eccentric	1
9	54121	MOTOR, Shaker (sealed, not repairable)	1
10	44980	SUPPORT	1
11	53189	STRIP, Rod clamp	1
12	53421	ROD, Clamp, lower	1

\* Note: Before Serial No. 6090, Filter Box Cover #37088 was #53338

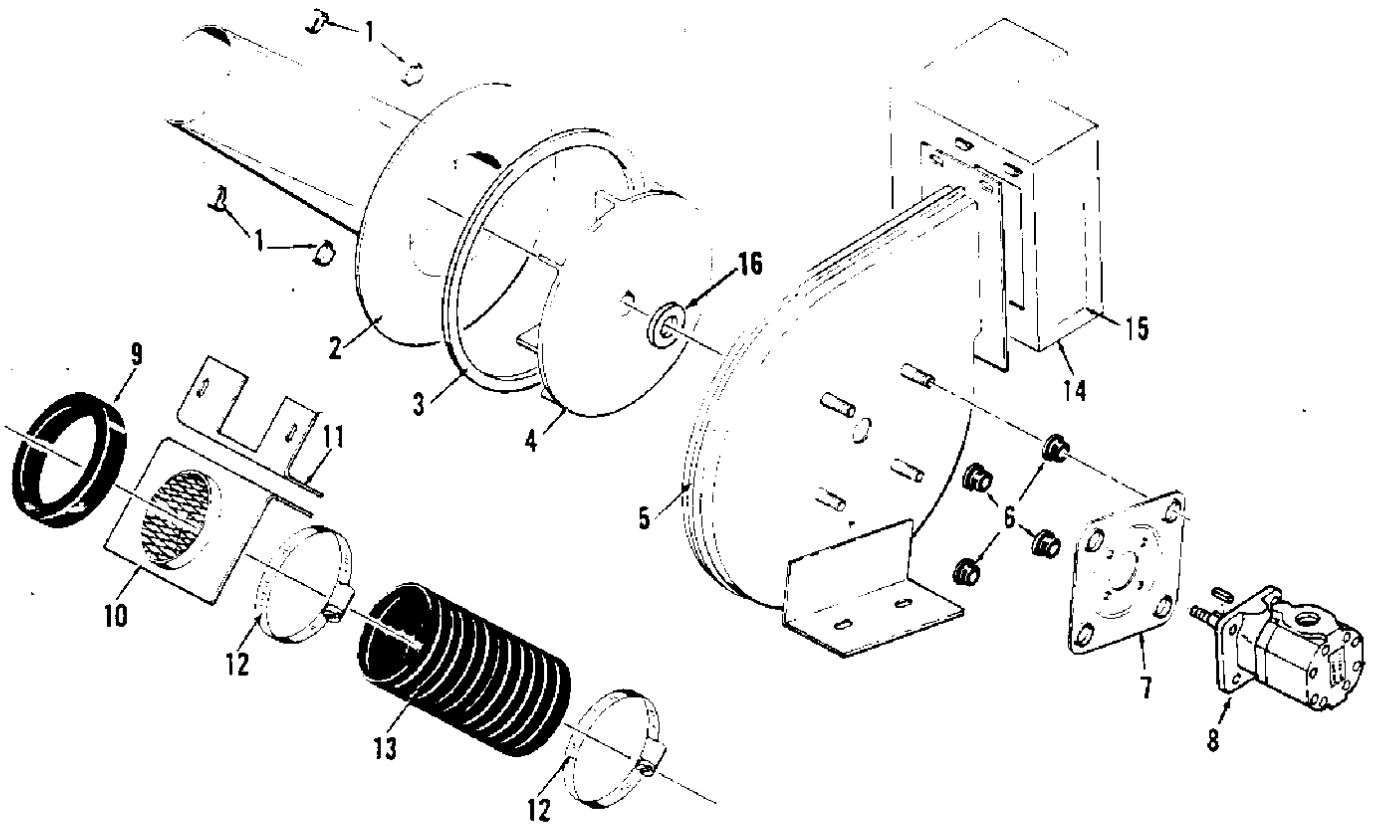


FIG. 7 - VACUUM FAN ASSEMBLY

Ref. No.	TENNANT Part No.	Description	Qty.
1	03467A	CLIP, Vacuum housing	4
2	53148	MANIFOLD, Intake	1
3	23542	SEAL, Intake manifold	1
4	56481	IMPELLER	1
5	54304 A	HOUSING, Impeller	1
6	54274	ISOLATOR, Vibration	4
7	54275A	MOUNT, Vacuum fan motor	1
8	* 77105	MOTOR, Vacuum fan (includes hardware)	1
	SK2561	SEAL KIT	1
9	47069	SEAL, Hose adapter	1
10	36907-1	ADAPTER, Hose	1
11	36906	BRACKET, Hose mounting	1
12	23498	CLAMP, Wormdrive	2
13	23481	HOSE	1
	54312	MUFFLER ASSEMBLY, Vacuum fan exhaust	1
14	54260	MUFFLER, Vacuum fan	1
15	45582	INSULATION KIT, Vacuum fan muffler noise	1
16	T5951	WASHER, Flat, 0.38"	1

\* To replace previous motor 37048 used on machines before serial number 8313, order SK2562.

RIGHT & LEFT HAND  
WHEEL & AXLE ASSEMBLIES  
ARE THE SAME

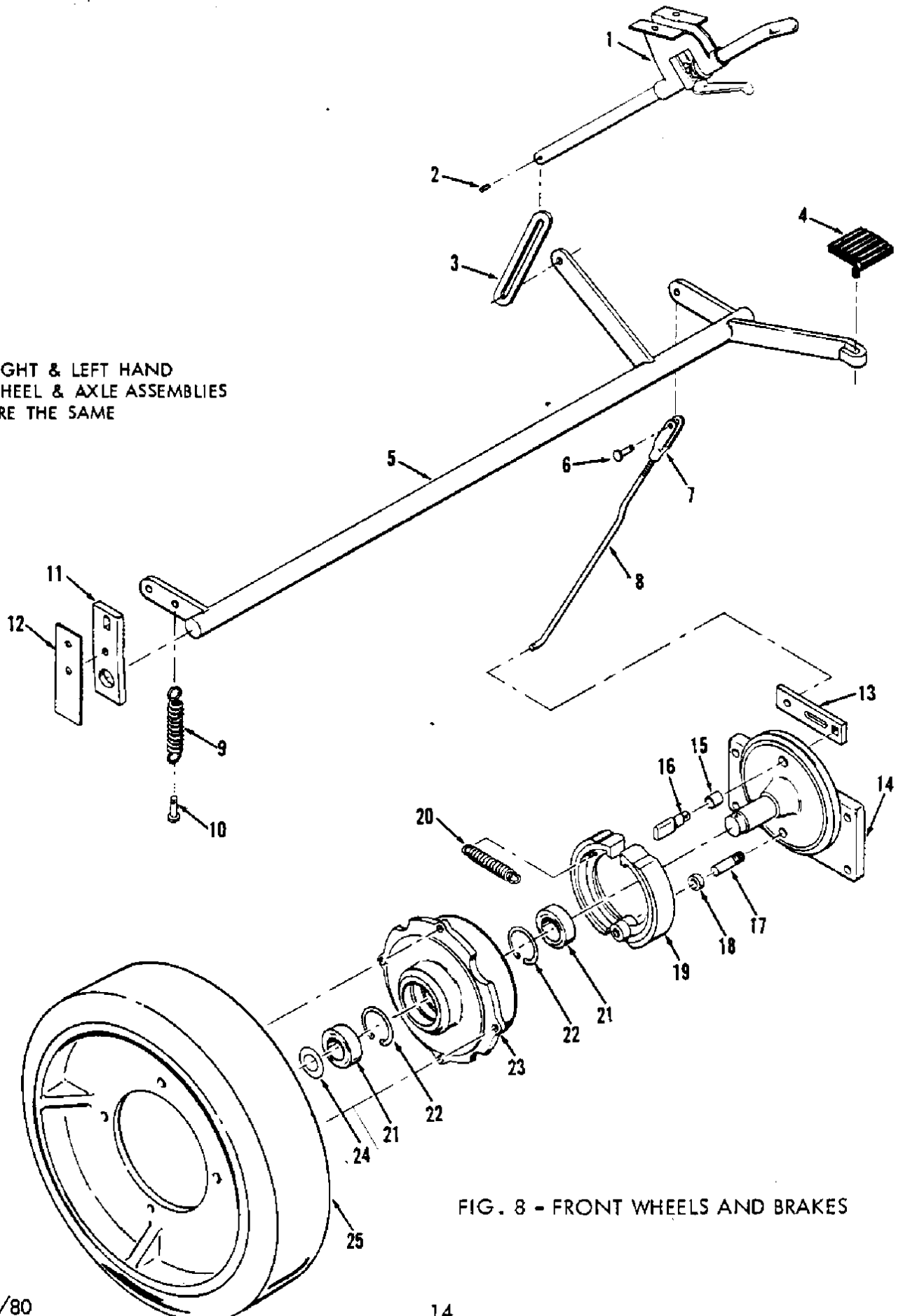


FIG. 8 - FRONT WHEELS AND BRAKES



## FIG. 8 - FRONT WHEEL &amp; BRAKES

Ref. No.	TENNANT Part No.	Description	Qty.
1	36913	BRAKE, Parking	1
2	18141	PIN, Roll	1
3	23529A	STRAP	1
4	07142	PAD	1
5	35673	SHAFT, Brake	1
6	14605	PIN, Clevis	1
7	14595-1	CLEVIS, Adjustable	1
8	23483-2	ROD, Adjusting	1
9	03091	SPRING	1
10	28296	PIN, Clevis	1
11	23280-2	HANGER	1
12	23758-1	SHIM, Hanger	as req.
	46806-1	AXLE ASSEMBLY	2
13	23484	ARM	1
14	23286-1	AXLE & BUSHING ASSEMBLY	1
15	24992	BUSHING	1
16	23272	CAM	1
17	10413	PIN, Threaded	1
18	10415	SPACER	1
19	10414	SHOE ASSEMBLY, Brake	2
20	09758	SPRING, Tension	1
	20021	PIN	1
	48076	WHEEL ASSEMBLY, Front	2
21	13534	BEARING	2
22	23244	RING, Retaining	2
23	23332	HUB	1
24	09006	SPACER (no longer used)	1
25	24120	TIRE & RIM ASSEMBLY	1
	25193A	WHEEL ASSEMBLY	1
	25197 A	TIRE, Front, solid (bonded to rim)	1

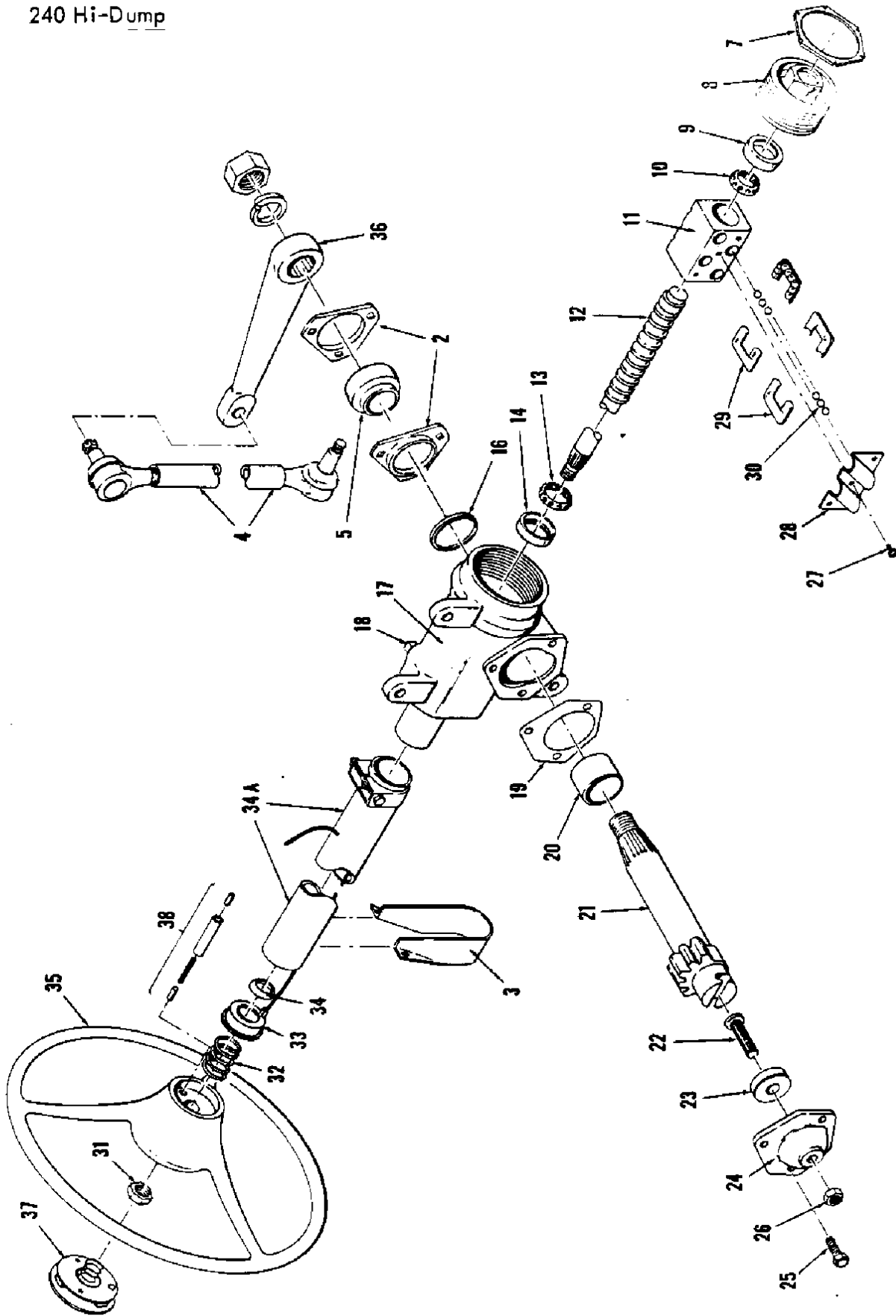


Fig. 9 - STEERING WHEEL, COLUMN & LINKAGE PARTS GROUP

## Fig. 9 - STEERING MECHANISM PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	11476	PIN	1
2	* 51449	RETAINER, Bearing	1
3	23315-2	SUPPORT, Steering column	1
4	53481	STEERING LINK	1
5	**48050-1	BEARING	1
6	* 47007	COLUMN & GEAR ASSEMBLY	1
7	5676217	Worm bearing adjuster lock nut	1
8	5666682	Worm bearing adjuster	1
9	5666683	Lower worm bearing cup	1
10	5666693	Lower ball bearing	1
11	5666886	Ball nut	1
12	5695954	Wormshaft	1
13	5666693	Upper ball bearing	1
14	5666683	Upper worm bearing cup	1
16	5670325	Seal	1
17	5692534	Housing	1
18	103868	Filler plug	1
19	5666734	Gasket	1
20	266316	Sector shaft bushing	1
21	5677096	Sector and shaft	1
22	266678	Lash adjuster	1
23	266903, 5, 7, 9	Lash adjust shim	1
24	5666722	Housing side cover and bushing assembly	1
25	179837	Side cover bolts	3
26	114496	Lash adjuster lock nut (.437" - 20 jam nut)	1
27	187375	Ball guide clamp screw	1
28	5674273	Ball guide clamp	1
29	5672804	Ball guides	4
30	266800	Balls	54
31	114496	Nut, steering wheel (.50" - 20 jam nut)	1
32	264832	Spring	1
33	5695951	Bearing and cable assembly	1
34	264831	Seat, spring	1
34A	565956	Column	1
35	47008	WHEEL	1
36	35618	ARM, steering (front)	1
37	47010	HORN BUTTON	1
38	46311	BRUSH UNIT, Horn	1

\* Column & Gear Assembly part numbers are Saginaw part numbers.

\*\*Note: Before Serial No. 7484, Bearing #48050-1 was #53043; Retainer #51449 was #53044. For field replacement of old parts, order SK2360.

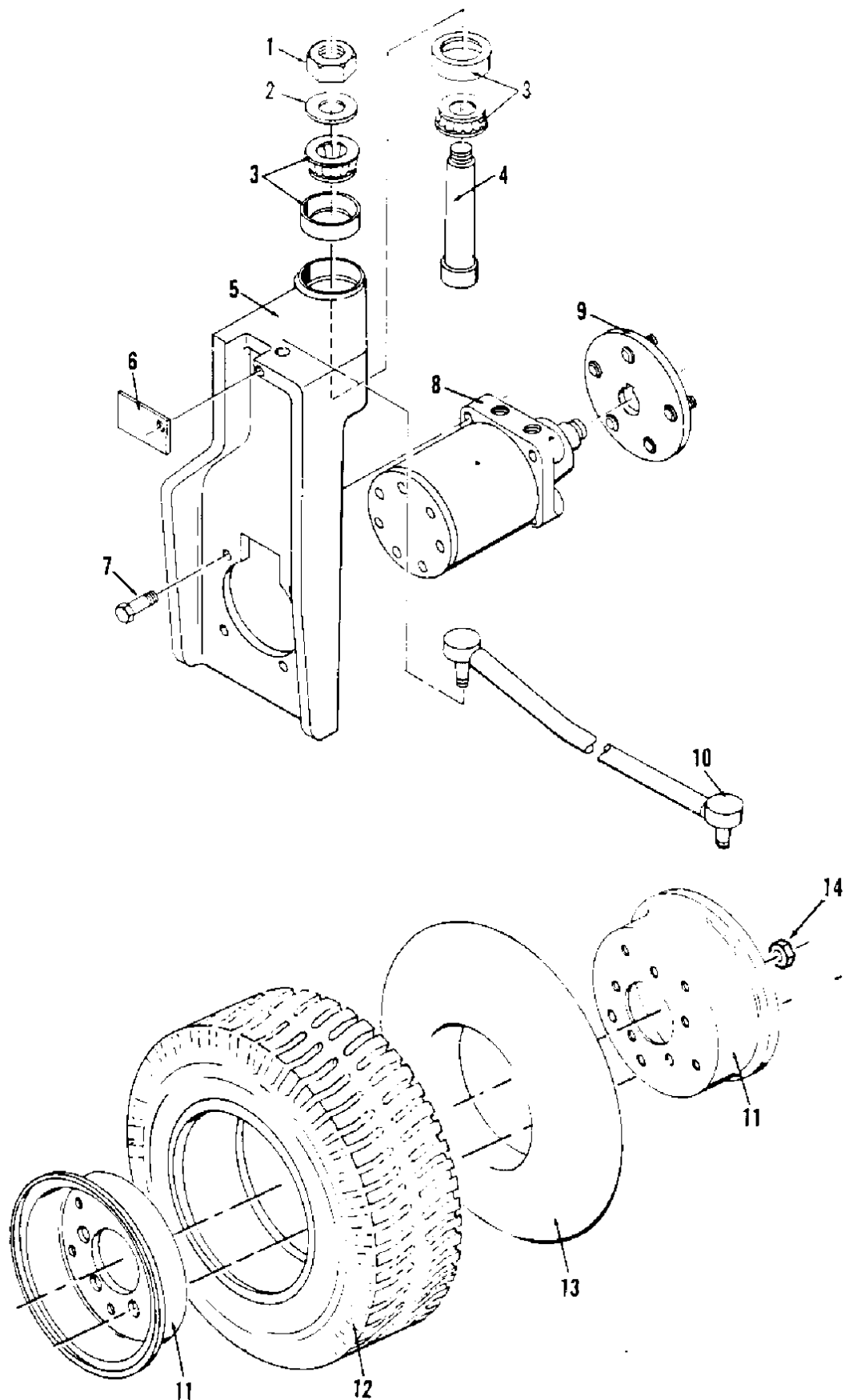


FIG. 10 - REAR WHEEL DRIVE MOTOR, SUPPORT, & WHEEL PARTS GROUP

FIG. 10 - REAR WHEEL DRIVE MOTOR, SUPPORT, &amp; WHEEL PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	14242	NUT	1
2	47719	WASHER	1
3	49225	BEARING & CONE ASSEMBLY, Motor support (includes 2 bearing & 2 cones)	1
4	24984	PIN, Support	1
5	53525A	SUPPORT	1
6	53528	BAR, Hose support	1
7	47830	BOLT, (.50" - 13 x 2.75")	4
8	37041	MOTOR Drive	1
	SK1951	SEAL KIT	1
9	53893	HUB ASSEMBLY, Drive wheel	1
	24338	STUD	5
10	53481	LINK, Steering	1
	+47550	WHEEL ASSEMBLY	1
11	53818	RIM	1 (Pair)
12	+47525	TIRE (570/500-8, 6 ply)(Carlisle)	1
13	53819-1	TUBE, Inner tire 570/500-8	1
14	24339	NUT, Wheel (.50" - 20)	1

+NOTE: Previous wheel assembly with Goodyear Steelguard tire was #53640.  
Goodyear Tire was #53819-3. Tube was #53819-1. Flap used with  
Goodyear tire was #53819-2.

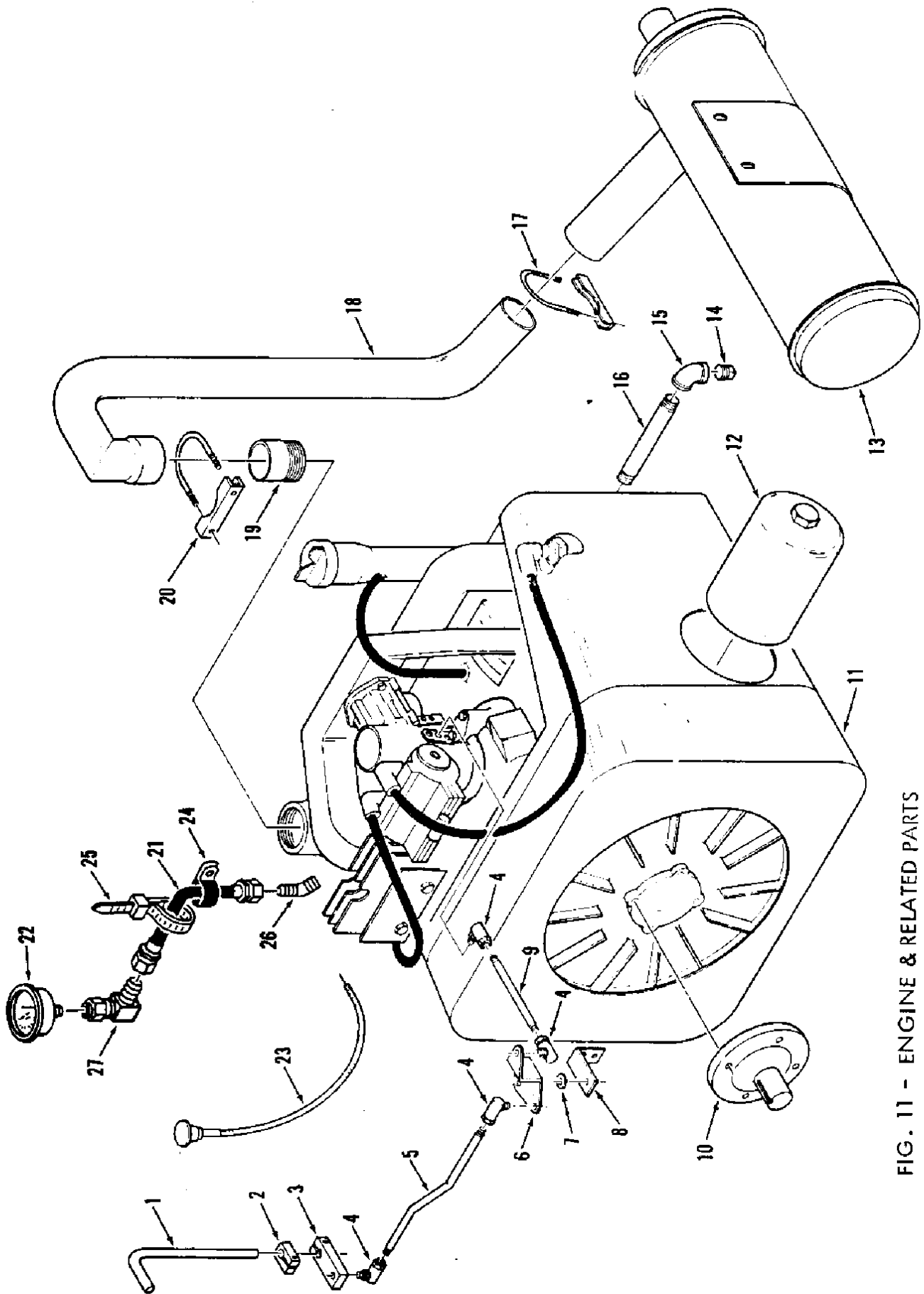


FIG. 11 - ENGINE & RELATED PARTS

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FIG. 11 - ENGINE &amp; RELATED PARTS

Ref. No.	TENNANT Part No.	Description	Qty.
1	53267	HANDLE, Throttle	1
2	53290	STOP, Throttle	1
3	53270	ARM, Throttle pivot	1
4	14601	BALLJOINT	4
5	53271	ARM, Throttle control	1
6	53929	BELLCRANK	1
7	53928	WASHER, Bellcrank	1
8	53571	BRACKET, Throttle bellcrank mounting	1
9	53424	ROD, Throttle control	1
10	53575	COUPLING, Pump drive	1
11	37039-1	*ENGINE ASSEMBLY, Gasoline (Kohler K582S) (Spec. #36283A) for parts breakdown see "Engine Section".	1
12	47352	ELEMENT, Engine oil filter (Kohler #277233)	1
13	23681	MUFFLER	1
14	17400-27	PLUG, Engine oil drain	1
15	23563	ELBOW, Engine oil drain	1
16	53241	NIPPLE, Engine oil drain	1
17	24012-1	CLAMP, Muffler	1
18	47746	PIPE, Engine exhaust	1
19	47795	NIPPLE, Engine exhaust pipe	1
20	05881	CLAMP, Muffler	1
21	**32552	HOSE, Oil pressure gauge	1
22	47436	GAUGE, Oil pressure	1
23	46278	CABLE, Engine choke	1
24	26395-1	CLAMP, Cable	1
25	49263	TIE, Cable	1
26	56689	ELBOW, 40°	1
27	39210	ELBOW	1
	25046	SCREW, Hex	1
	32490	WASHER	1
	27978	NUT	1

\*NOTE: Part number of Model K582S Kohler Engine for LP Fuel is 37040-1.

\*\*NOTE: To replace previous hose 44041, order SK2531.

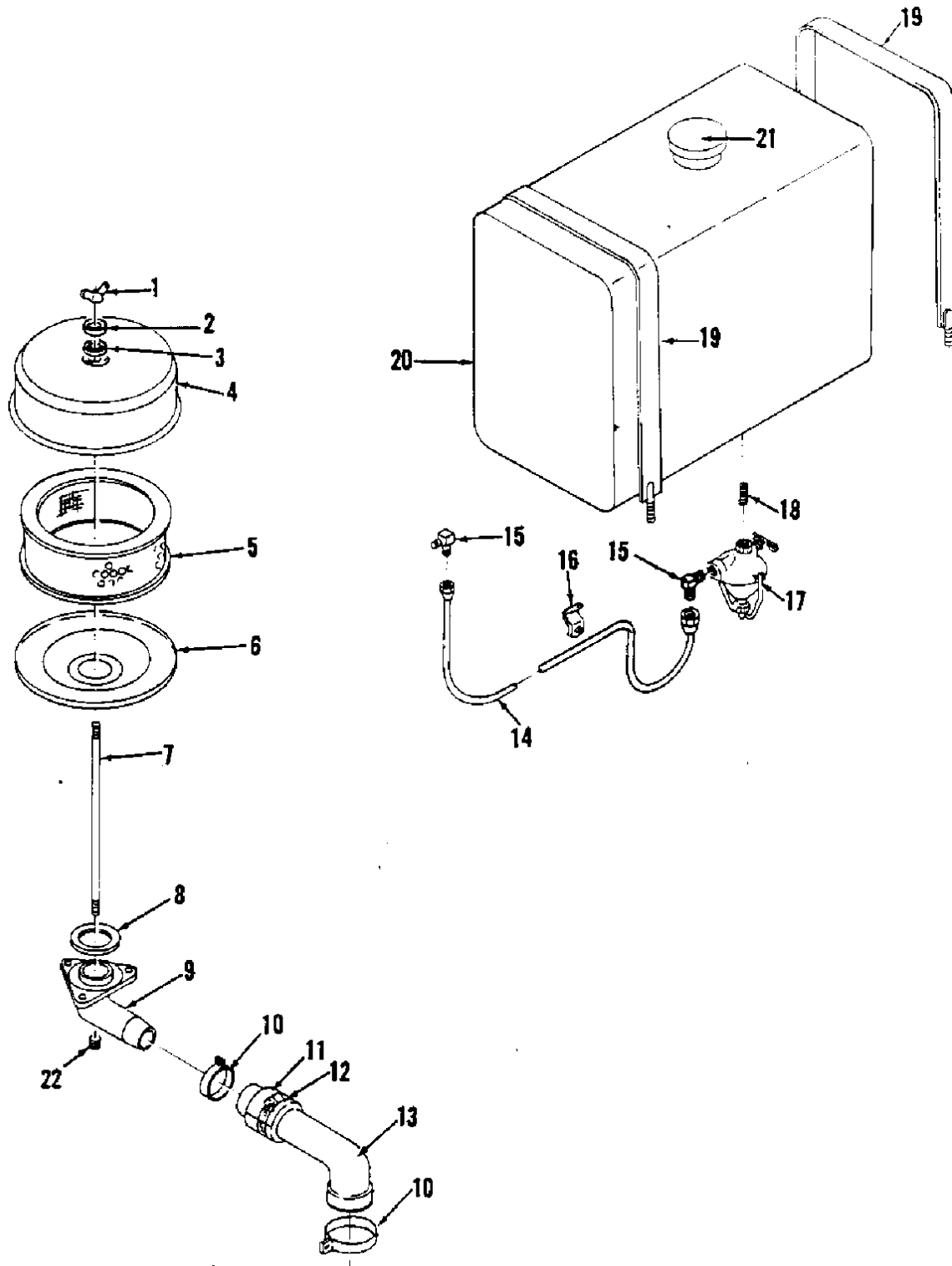


FIG. 12 - ENGINE AIR FILTER & FUEL SYSTEM



## FIG.12 - ENGINE AIR FILTER &amp; FUEL SYSTEM

Ref. No.	TENNANT Part No.	Description	Qty.
1	26509	WING-NUT, Air filter	1
	23791-1	FILTER ASSEMBLY, Air	1
2	29241	WASHER, Steel	1
3	29240	WASHER, Rubber	1
4	23791B	COVER, Air filter	1
5	23792	ELEMENT, Air filter	1
6	54080	FLANGE, Air filter base	1
7	54082	STUD	1
8	23731	WASHER, Rubber	1
9	23727A-2	BASE, Air filter	1
10	11531	CLAMP, Air filter hose	2
11	32542	HOSE, Split protective	1
12	22297	CLAMP, Wormdrive	1
13	54129	HOSE, Air filter	1
14	53388	LINE, Fuel	1
15	06507	ELBOW	2
16	09092-1	CLIP, Fuel line hold down	3
17	04601	STRAINER, Fuel	1
18	17413	NIPPLE	1
19	23254	STRAP, Fuel tank hold down	2
20	23390	TANK, Fuel	1
21	*RC-112	CAP, Fuel tank	1
	14834	PLUG	1

\* Deluxe Specialties Manufacturing Company part number.

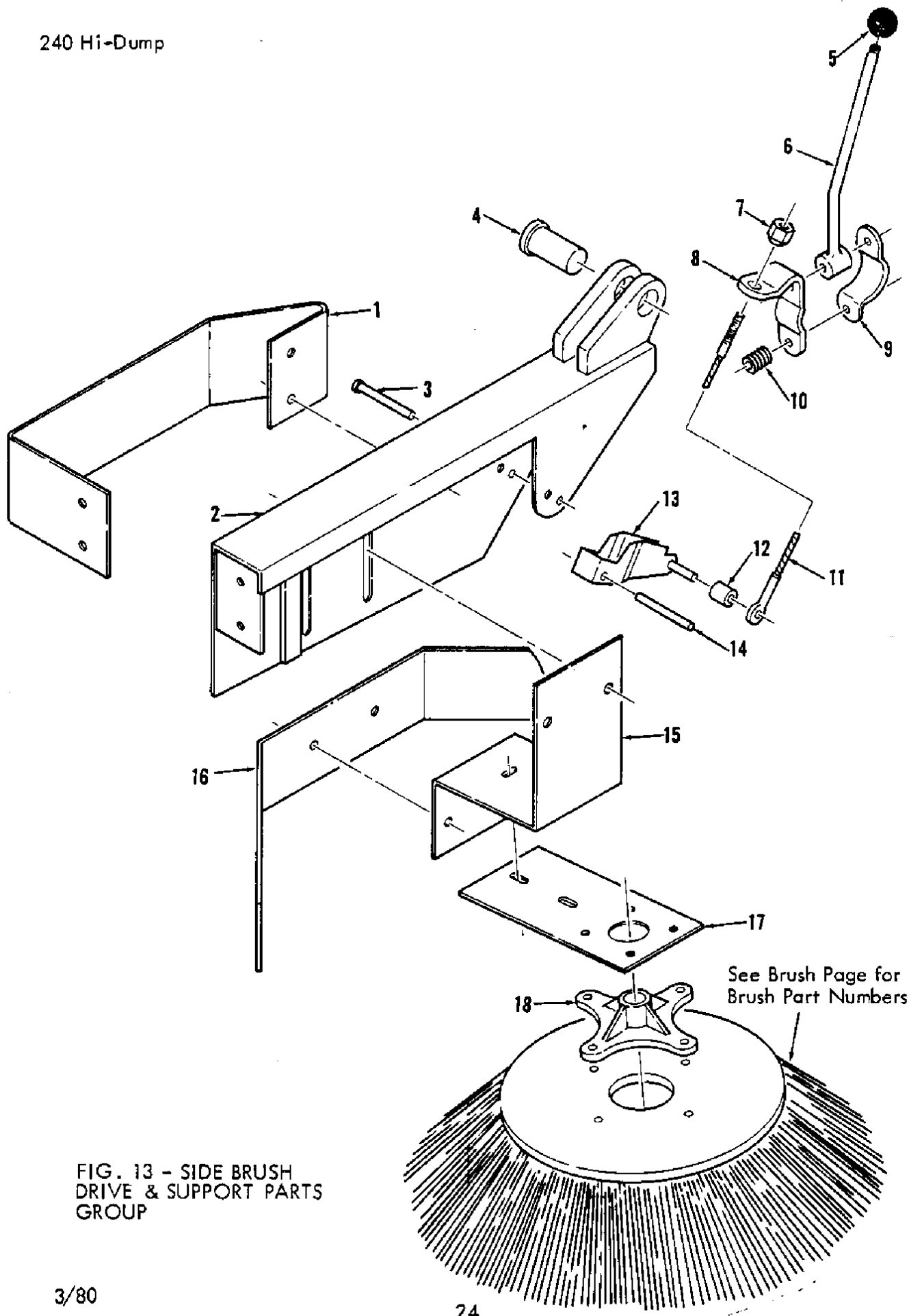


FIG. 13 - SIDE BRUSH DRIVE & SUPPORT PARTS GROUP

240 Hi-Dump FIG. 13 - SIDE BRUSH DRIVE & SUPPORT PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	36955	GUARD, Side brush arm	1
2	55662	ARM, Side brush	1
3	23191	PIN, Clevis	1
4	04733-11	PIN, Side brush arm pivot	1
5	26156	KNOB	1
6	35649	HANDLE	1
7	23293	NUT	1
8	23307-1	LEVER, Lift handle	1
9	23306-1	BRACKET, Clip	1
10	14174	SPRING	1
11	23294	CABLE ASSEMBLY	1
12	22143	SPACER	1
13	23503A	YOKE, Side brush lift	1
14	23536	PIN, Yoke pivot	1
15	53773	BRACKET, Bumper	1
16	53826	BUMPER	1
17	53772	MOUNT, Side brush motor	1
18	47501	ADAPTER, Side brush	1
	32988	WASHER, Lock	4

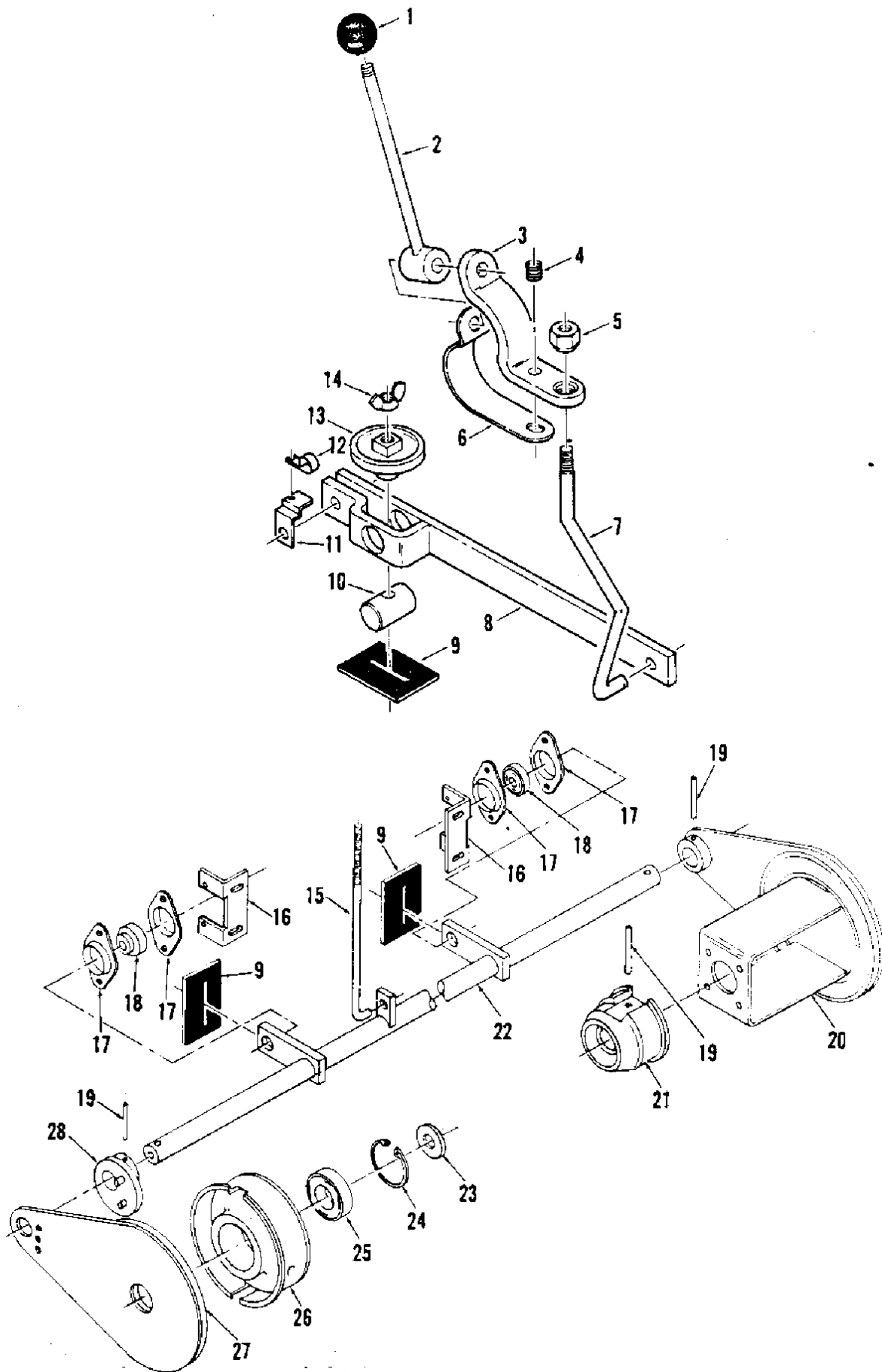


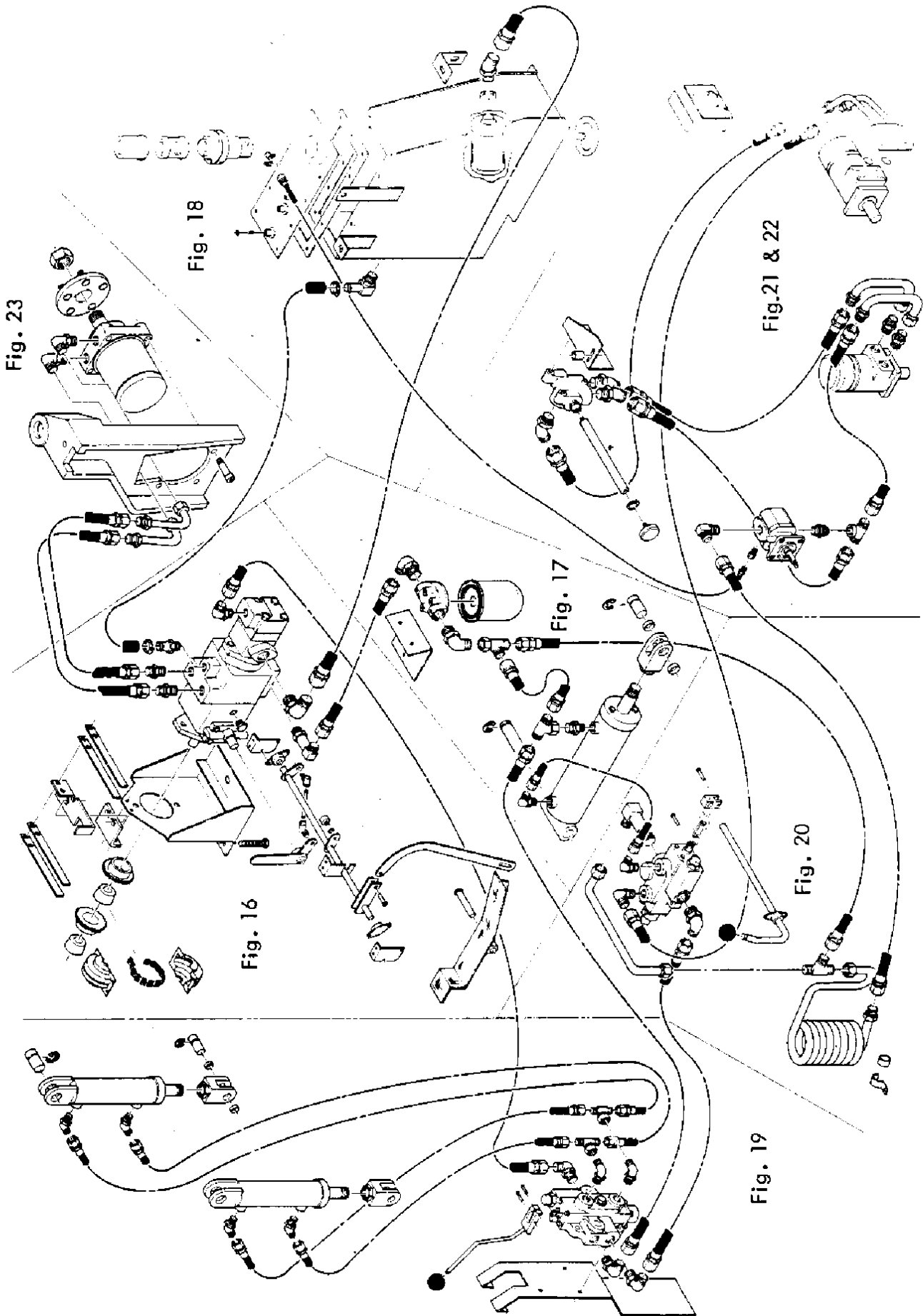
FIG. 14 - MAIN BRUSH LIFT & DRIVE PARTS GROUP

## FIG. 14 - MAIN BRUSH LIFT &amp; DRIVE PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	26156	KNOB	1
2	23304	HANDLE	1
3	53907	LEVER, Lift handle	1
4	14174	SPRING	1
5	24339	NUT (.50" - 20)	1
6	53899	CLIP	1
7	53182	ROD, Lift	1
8	53876	ARM, Lift	1
9	53906	SEAL	3
10	51391	PIN	1
11	35593	BRACKET, Clamp	1
12	26395-2	CLAMP, Cable hold down	1
13	51452	KNOB, Brush height adjusting	1
14	G137156	NUT, Wing (.50" - 13)	1
15	35677	ROD, Lift	1
16	*50521	BRACKET, Countershaft bearing	2
17	*35973	FLANGE, Countershaft bearing	4
18	*23624	BEARING, Countershaft	2
19	20050	PIN, Roll (.312" x 1.875")	3
20	53169	ARM, Brush L.H.	1
21	51036	PLUG, Brush drive	1
22	35674	SHAFT, Counter	1
	53187	ARM & PLUG ASSEMBLY, Brush R.H.	1
23	51564	WASHER	1
24	51046	RING, Retaining	1
25	24899	BEARING, Brush idler plug	1
26	51984	PLUG, Brush idler	1
27	53168	ARM, Brush R.H.	1
	53985	PLUG, Threaded dust (.50" - 13)	1
28	53138	HUB, Countershaft end	1

\*Note: Before Serial No. 7484, Bracket # 50521 was #53132; Flange #35973 was #53879; Bearing 23624 was #53878. For field replacement of old parts, order SK2361.





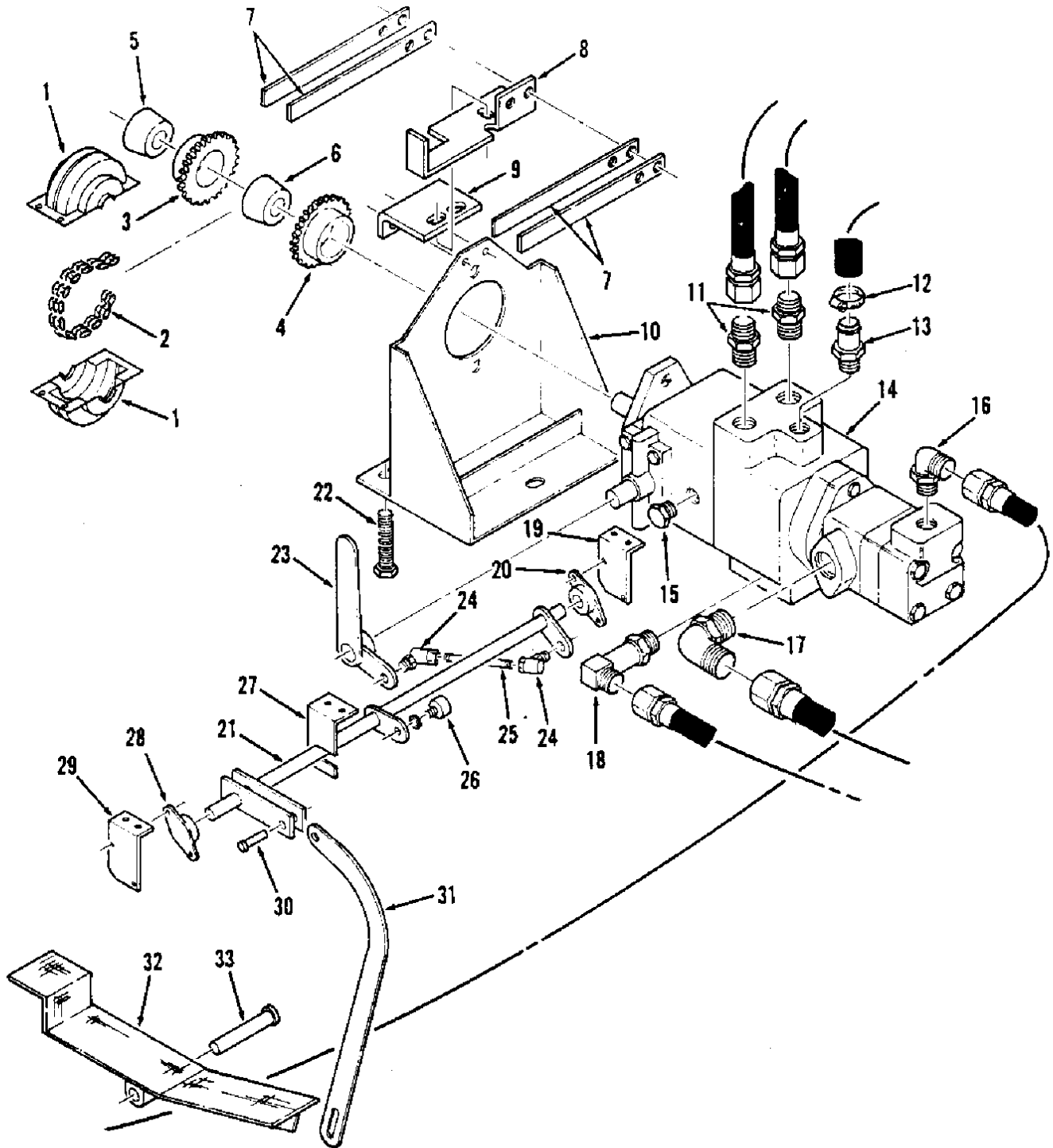


FIG. 16 - PUMP & RELATED PARTS



## FIG. 16 - PUMP &amp; RELATED PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	54104	COVER, Chain (including gaskets)	1
	06418	FITTING, Grease	1
	53531	COUPLING ASSEMBLY, Pump drive	1
2	53392-3	CHAIN	1
3	53531-1	SPROCKET, Chain (engine side)	1
4	53531-2	SPROCKET, Chain (pump side)	1
5	15280-4	BUSHING, Taper lock	1
6	15280-3	BUSHING, Taper lock	1
7	49681	SPRING, Pump centering	4
8	32442	+ BRACKET, Pump centering spring	1
9	32441	+ SUPPORT, Spring bracket	1
10	50431	MOUNT, Pump	1
11	46480	ELBOW	2
12	11399	CLAMP, Wormdrive	1
13	47894	CONNECTOR, Hose	1
14	*50552	PUMP ASSEMBLY, Complete tandem	1
	*50550	PUMP, Propelling, Oilgear	1
	SK1769	SEAL KIT	1
15	46482	PLUG, Case drain	1
	69181	PUMP, Accessory, Vickers	1
	SK1739	SEAL KIT	1
	69183A	PLATE, Pump adapter	1
	69157-1	COUPLING ASSEMBLY	1
	69180	COUPLING HALF, Oilgear	1
	69184	COUPLING HALF, Vickers	1
	69182-2	KEY, Oilgear	1
	69182-1	KEY, Center	1
	00912	KEY, Vickers	1
	23158	GASKET	1
	69186	O-RING	1
16	56827	ELBOW	1
17	53077	ELBOW	1
18	47509	ELBOW	1
	47762-1	SUPPORT ASSEMBLY, Control rod L.H.	1
19	53351A	SUPPORT, Control rod	1
20	53352	BEARING, Support	1
21	37011	ROD, Pump control	1
22	53963A	BOLT, Hex cap (.50" - 13 x 2.75")	1
23	69061	ARM, Pump control	1
	26103	PIN, Roll	1
24	14506	BALLJOINT	2
25	53579-1	ROD, Pump control	1
26	48930	CAM, Follower	1
27	35600	SUPPORT, Control rod	1
	47762	SUPPORT ASSEMBLY, Control rod R.H.	1
28	53352	BEARING, Support	1
29	53351A	SUPPORT, Control rod	1
30	09088	PIN, Clevis	1
	48319	PEDAL ASSEMBLY, Foot	1
31	36956	ARM, Control	1
32	42240	PEDAL, Foot	1
33	06474A	PIN, Clevis	1

+ Note: See the Standard Parts Section for accompanying hardware.

12/82 \*Note: Pump Assembly #50552 was #37042; Pump #50550 was #37037.

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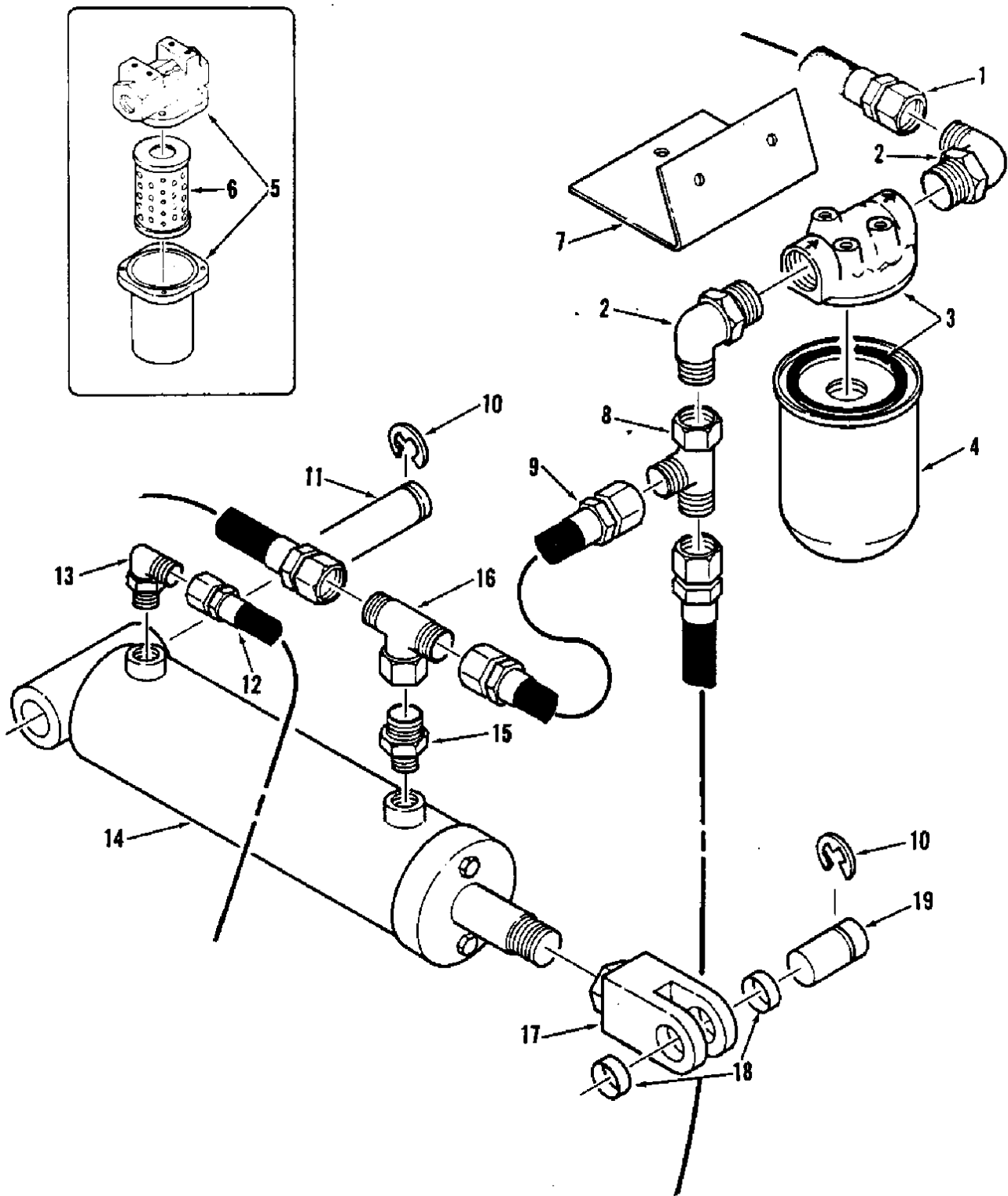


FIG. 17 - HOPPER DUMP CYLINDER & OIL FILTER

FIG. 17 - DUMP CYLINDER &amp; HYDRAULIC OIL FILTER GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	53083-1	HOSE	1
2	53076	ELBOW	2
3	67718	+ FILTER, Hydraulic oil (Std. Deluxe)	1
4	67718-2	+ ELEMENT	1
5	53348B	+ FILTER, Hydraulic oil (Alt. Ripley)	(1)
6	53348-1	+ ELEMENT (O-ring #DH1004)	1
7	69037	MOUNT, Oil filter	1
8	51779	TEE	1
9	53083-5	HOSE	1
10	23788	RING, Retaining	2
11	35515	PIN, Dump cylinder pivot.	1
12	47825	HOSE	1
	SK2556	CYLINDER ASSEMBLY, Dump	1
13	SK2703	ELBOW	1
14	48979	CYLINDER, Dump	1
	SK1870	SEAL KIT	1
15	35587	CONNECTOR	1
16	50421	TEE	1
17	SK2554	CLEVIS ASSEMBLY	1
18	35688	BEARING, Journal	2
19	32941	PIN, Cylinder clevis	1

+NOTE: When standard and alternate hydraulic components are listed, be sure to check your machine to determine which component is used, before ordering parts or seal kits.

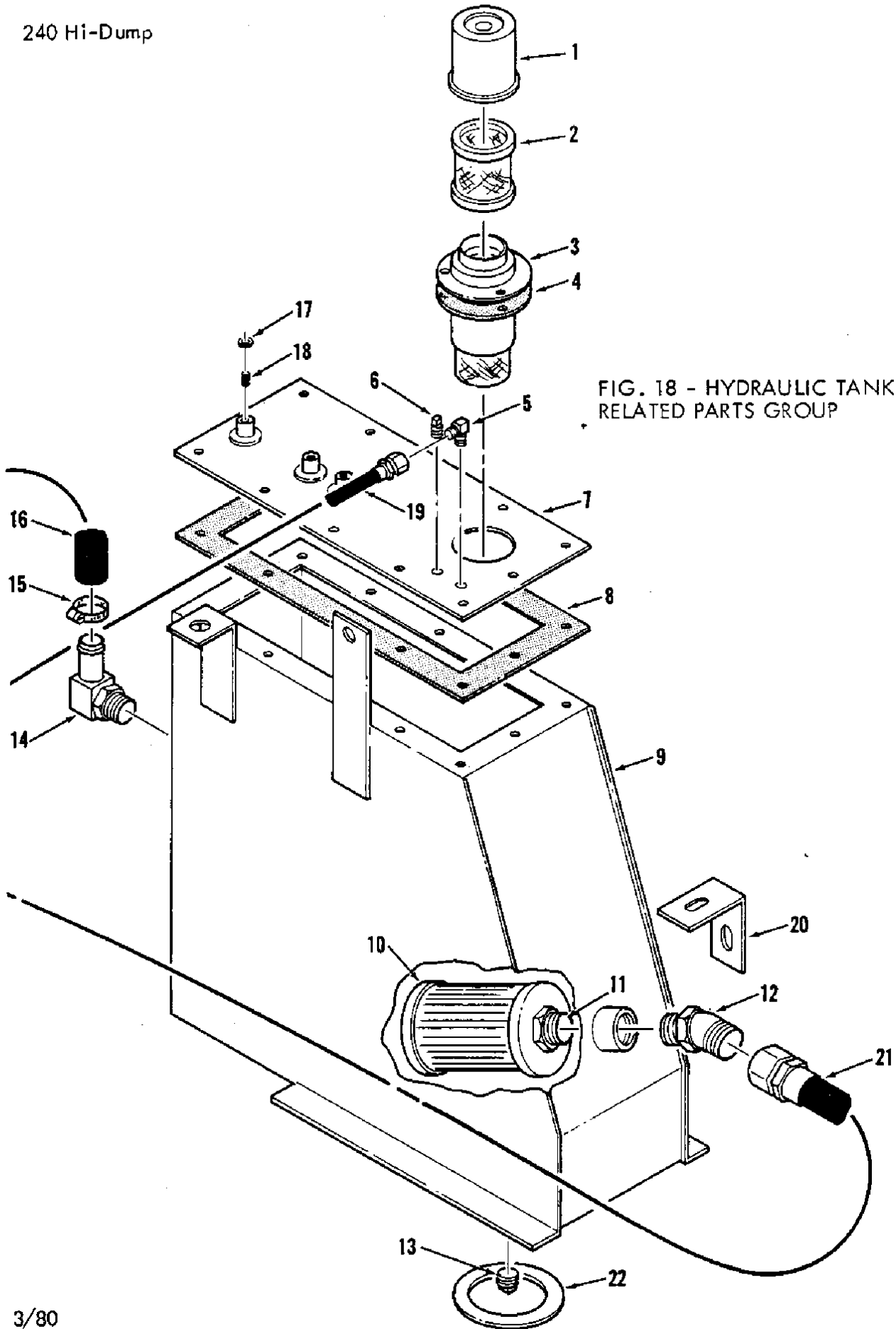


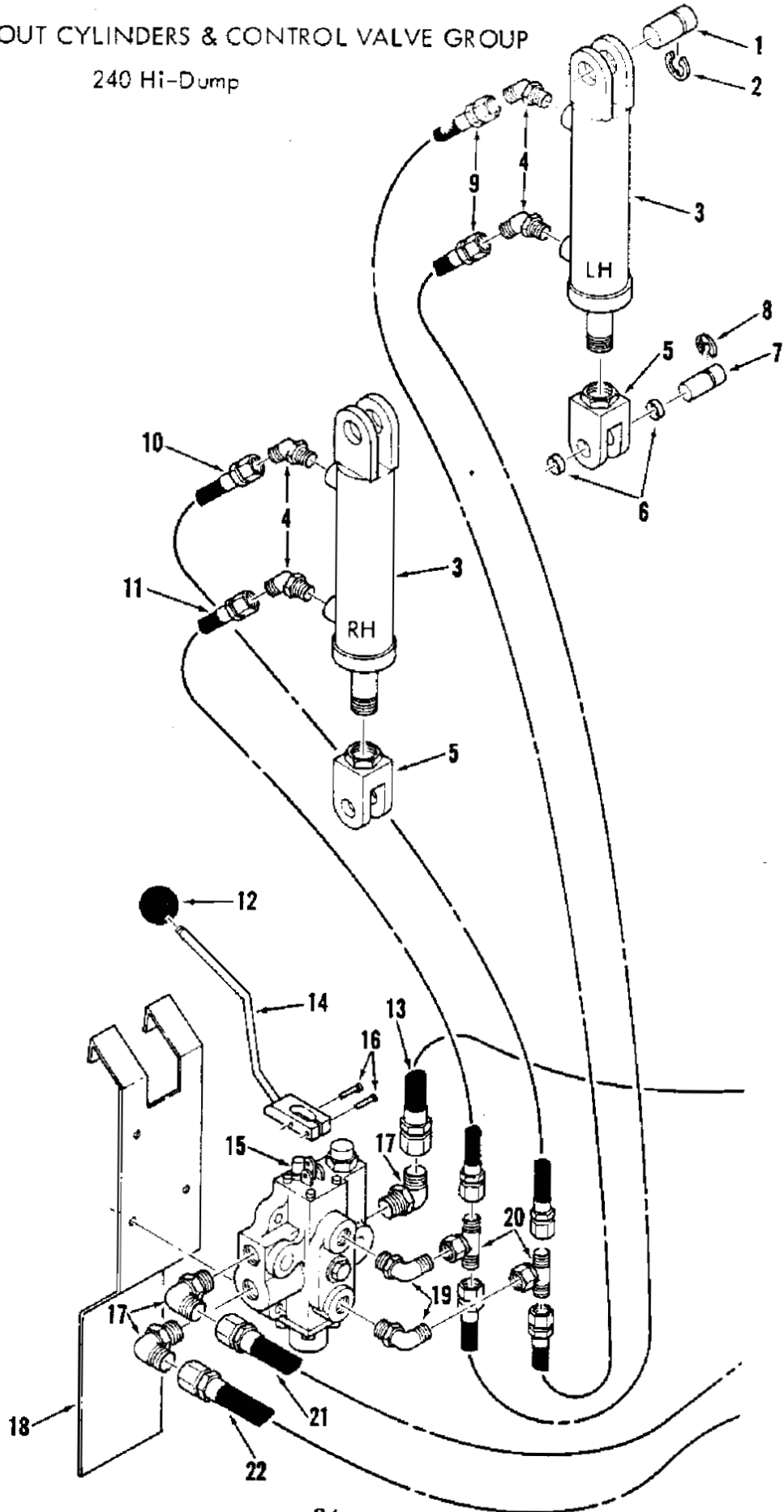
FIG. 18 - HYDRAULIC TANK & RELATED PARTS GROUP

FIG. 18  
HYDRAULIC TANK & RELATED PARTS GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
	24900	BREATHER ASSEMBLY, Tank	1
1	24949	COVER, Breather	1
2	24908	ELEMENT, Breather	1
3	24902	BASE, Breather	1
4	23686	GASKET, Breather base	1
5	06507	ELBOW	1
6	48126	PLUG	1
7	53908	COVER, Hydraulic tank	1
8	53648	GASKET, Tank cover	1
9	47574	TANK, Hydraulic fluid	1
10	51885	STRAINER, Tank sump intake	1
11	02546	NIPPLE, Intake strainer	1
12	53085	ELBOW, 45°	1
13	40362	PLUG, Tank drain	1
14	47895	ELBOW, Hose	1
15	11399	CLAMP, Wormdrive	1
16	47896	HOSE	1
17	48341	WASHER, Valve mounting	1
18	48340	STUD, Valve mounting	1
19	11987	HOSE	1
20	53357	BRACKET, Tank mounting	1
21	16458	HOSE	1
22	11715	SEAL	1
	32397-5	HYDRAULIC FLUID, 10W-40	5 gal

FIG. 19 - ROLLOUT CYLINDERS & CONTROL VALVE GROUP

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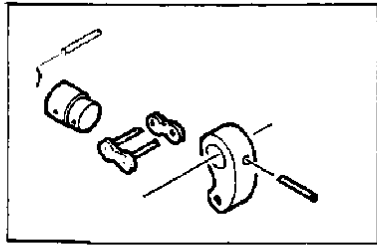
240 Hi-Dump FIG. 19 - ROLLOUT CYLINDERS & CONTROL VALVE GROUP

Ref. No.	TENNANT Part No.	Description	Qty
1	23145	PIN, Rollout cylinder	2
2	23788	RING, Cylinder pin retaining	2
	** 37081	CYLINDER ASSEMBLY, Rollout	2
3	37080	CYLINDER, Rollout	1
	SK1869	SEAL KIT	1
4	47522	ELBOW, 45°	2
5	37015	CLEVIS, Rollout cylinder	1
6	37014	BEARING, Journal	2
7	37016	PIN, Rollout cylinder clevis	2
8	23788-1	RING, Cylinder clevis retaining	2
9	35583	HOSE	2
10	32760	HOSE	1
11	32760	HOSE	1
12	26565	KNOB, Rollout control valve handle	1
13	53083-14	HOSE	1
	37018	VALVE ASSEMBLY, Rollout cylinder control	1
14	36999	HANDLE, Valve	1
15	54046	VALVE, Rollout control	1
	SK1842	SEAL KIT	1
16	50498	PIN	2
17	51782	ELBOW	3
18	48940	BRACKET, Valve mounting	1
19	37056	ELBOW	2
20	35586	TEE	2
21	52374	HOSE	1
22	53083-17	HOSE	1

\* Note: Before Serial #6089, Cylinder Assembly #35698 was used. For field replacement of #35698 use SK2026.

\*\* Cylinder #37080 was #48982. To replace #48982, order SK2025.

240 Hi-Dump



Old Style Linkage

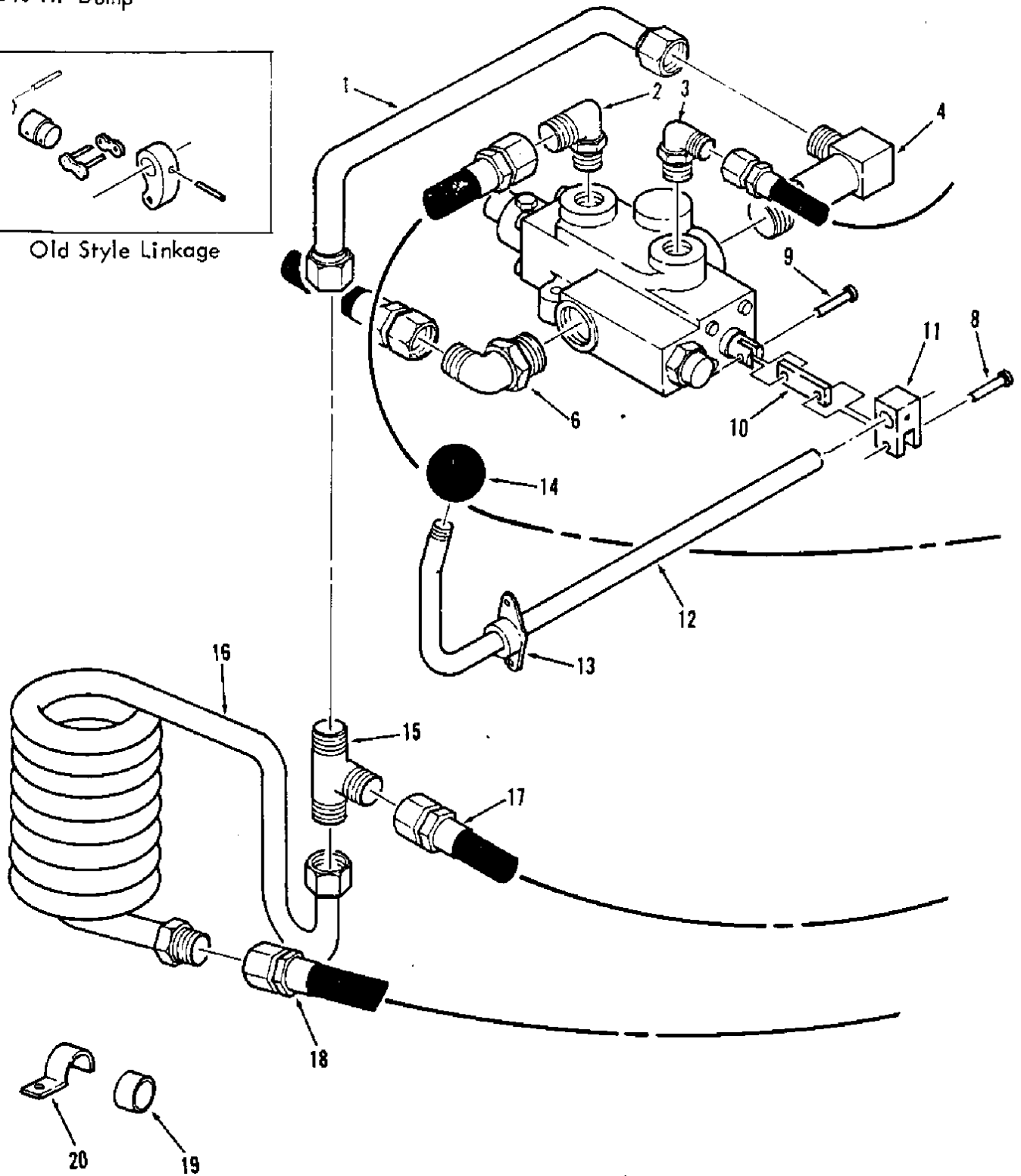


FIG. 20 - MAIN CONTROL VALVE & HEAT EXCHANGER



FIG. 20  
MAIN CONTROL VALVE & HEAT EXCHANGER

Ref. No.	TENNANT Part No.	Description	Qty.
1	53201	TUBE	1
	48407A	* VALVE ASSEMBLY, Main control (Dukes)	1
2	56827	ELBOW	1
3	47512	ELBOW	1
4	47509	ELBOW	1
5	SK2552	VALVE, Main control	1
	SK1863	SEAL KIT	1
6	51782	ELBOW	1
7	23999-4	PIN, Roll	1
8	15173	** PIN	1
9	14605	** PIN	1
10	32751	** STRIP	1
11	32750	** LEVER	1
12	53736	ROD, Valve control	1
13	47585	BEARING, Valve control rod	1
14	26156	KNOB	1
15	52456	TEE	1
16	53200	HEAT EXCHANGER	1
17	53083-17	HOSE	1
18	53083-20	HOSE	1
19	51718	BUSHING, Split	1
20	44031	CLAMP, Tube	1

\*Seal kit for obsolete Dukes valve 48337 is SK1540; use SK1842 for Cross valve 48290.

\*\*Note: To replace linkage used on machines before serial number 8366, order SK2563.

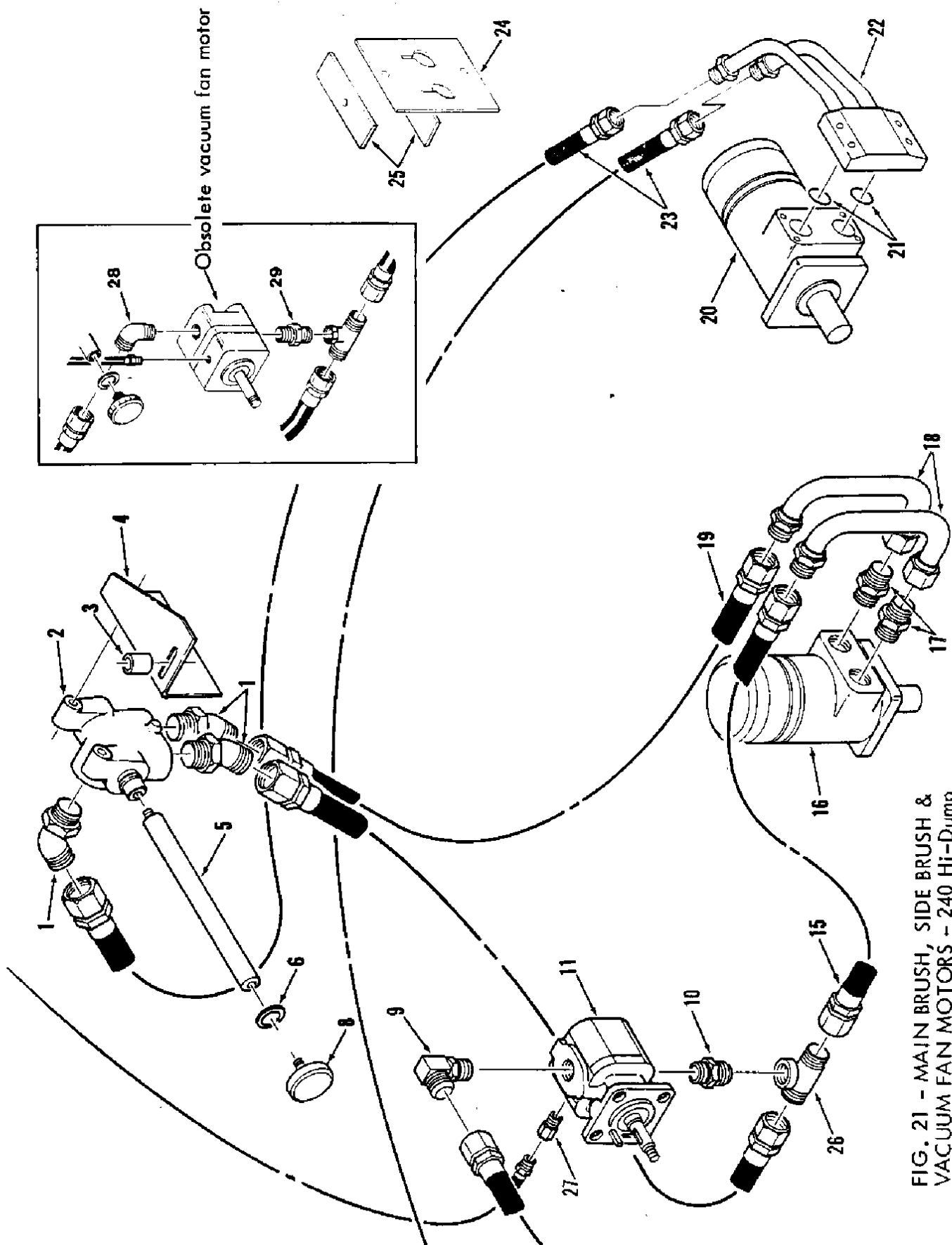


FIG. 21 - MAIN BRUSH, SIDE BRUSH & VACUUM FAN MOTORS - 240 Hi-Dump

FIG. 21 & 22  
MAIN BRUSH, SIDE BRUSH & VACUUM FAN MOTORS & CONTROL VALVE

Ref. No.	TENNANT Part No.	Description	Qty.
1	++	ELBOW, 45°	3
2	48108B	+ VALVE, Side brush shut-off (Dukes)	1
	SK1806	SEAL KIT	1
	48108A	+ VALVE, Side brush (Gresen)	1
	SK1288	SEAL KIT	1
3	54188	SLEEVE	1
4	54189	BRACKET, Valve mounting	1
5	50510	ROD, Valve control	1
6	10632-9	GROMMET	1
8	48108A -1	KNOB	1
9	56827	ELBOW	1
10	47518	NIPPLE	2
13	SK2562	MOTOR KIT, Vacuum fan (includes hardware)	1
	SK2561	SEAL KIT	1
14	++	HOSE	1
15	53083-6	HOSE	1
16	47650-12	+ MOTOR, Side brush (Std Char-Lynn)	1
	SK1600	SEAL KIT	1
	47542	+ MOTOR, Side brush (Alt Ross)	(1)
	SK1694	SEAL KIT	(1)
17	46480	CONNECTOR	2
18	54044	TUBE	2
19	++	HOSE	1
20	47650	+ MOTOR, Main brush (Std. Char-Lynn)	1
	SK1600	SEAL KIT	1
	47514	+ MOTOR, Main brush (Alt. Ross)	(1)
	SK1694	SEAL KIT	(1)
21	51403	O-RING	2
22	62302	BLOCK, Main brush motor porting	1
23	++	HOSE	2
24	32103	* SEAL, Brush wrap hose	1
25	53489	STRIP, Seal retaining	2
26	50421	TEE	1
27	76835	CONNECTOR	1
28	46611	ELBOW	1
29	46607	CONNECTOR	1

\*Note: To replace seal on machines with serial no. up to and including 7927, order SK2386.

+Note: When ordering parts or seal kits be sure to check your machine to determine which component is used.

++Note: These fittings and hoses may vary depending upon which side brush valve is used on your machine. See the following page for correct parts.

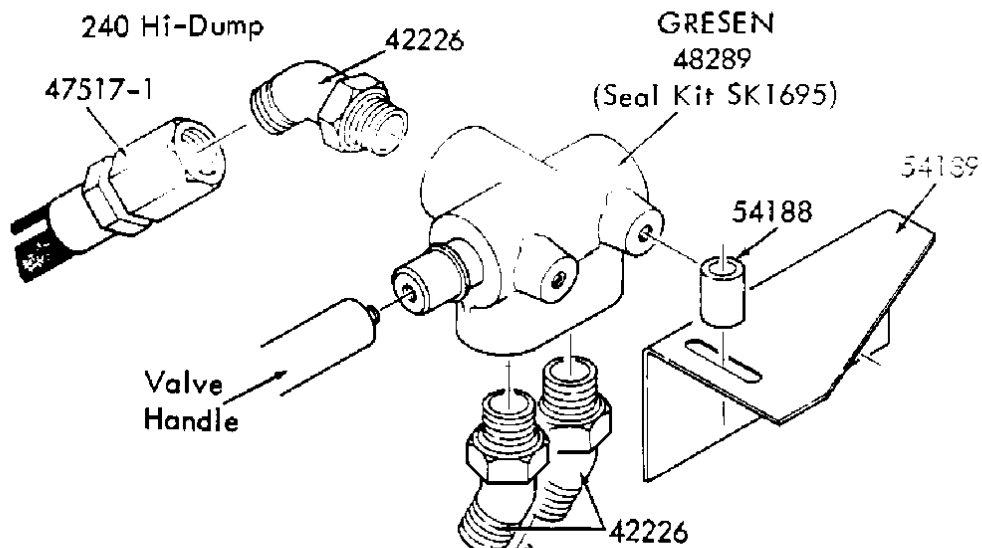
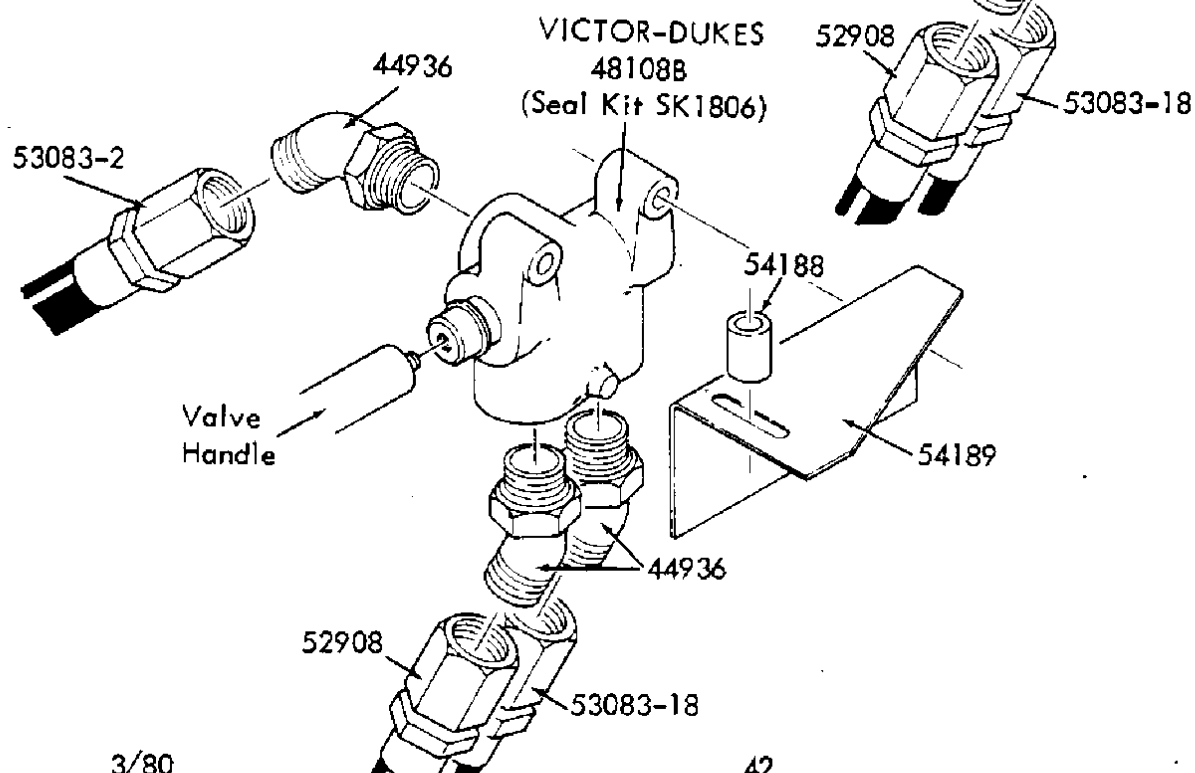
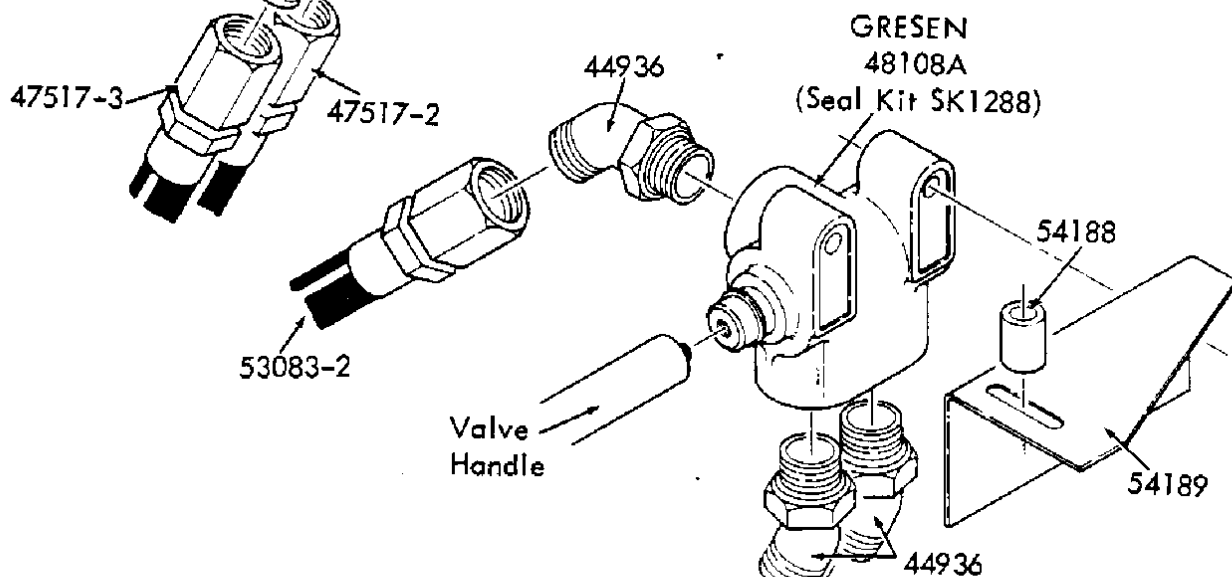


FIG. 22  
MODEL 240  
SIDE BRUSH SHUT-OFF  
VALVES

NOTE:

Several different side brush shut-off valves may be used. Identify the valve used on machine from this drawing. Note that different valves have different fittings and hoses connected to them.



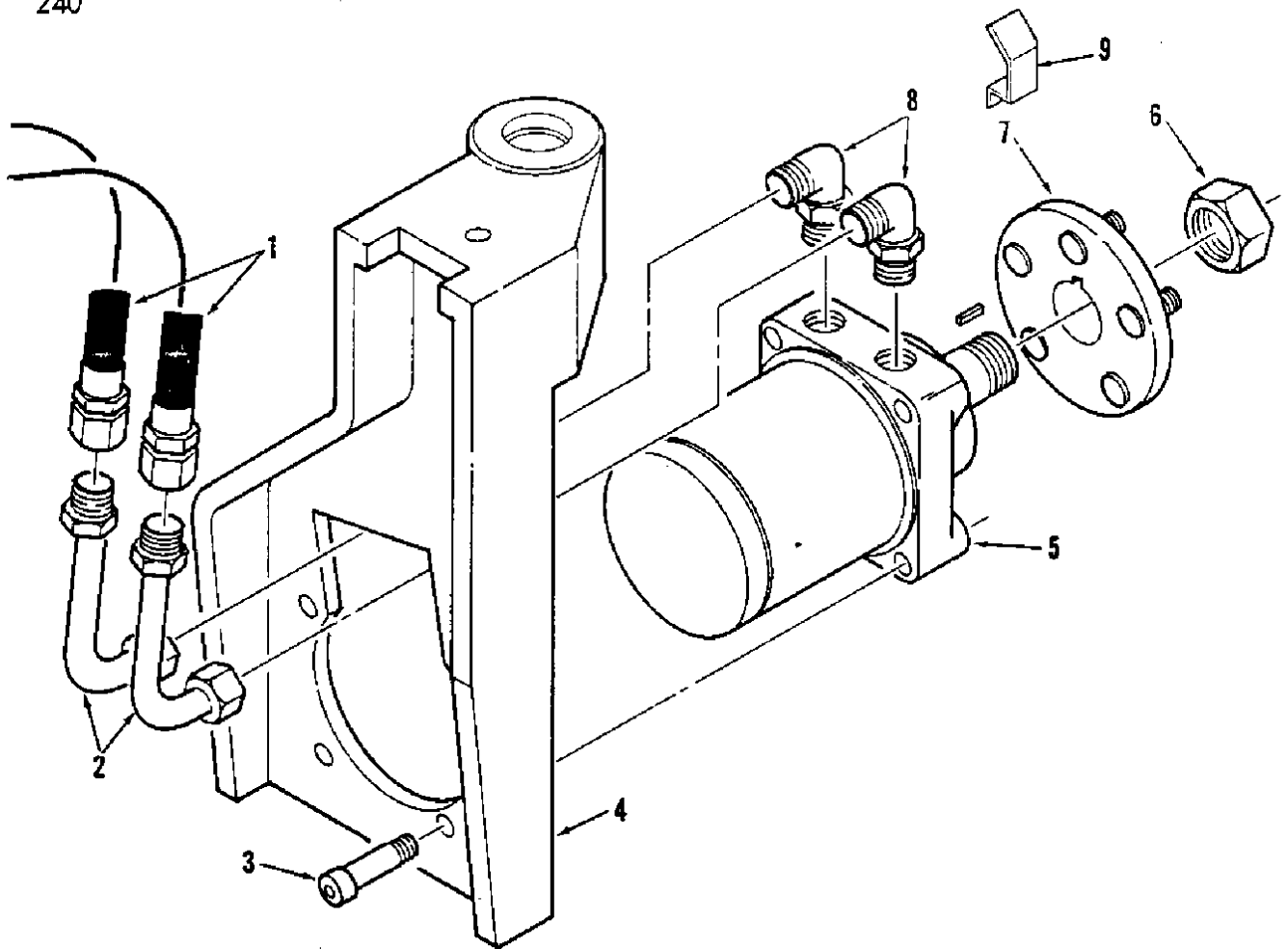


FIG. 23 - REAR DRIVE COMPONENTS

Ref. No.	TENNANT Part No.	Description	Qty.
1	53084-1	HOSE	2
2	53004	TUBE	2
3	47830	BOLT, Socket head	4
4	53525A	SUPPORT, Drive motor	1
5	37041	MOTOR, Drive	1
	SK1951	SEAL KIT	1
6	*025126	NUT	1
	*039027	KEY	1
7	53893	HUB & STUD ASSEMBLY	1
	24338	STUD	5
8	51782	ELBOW	2
9	54217	CLAMP, Hose	1

\*Ross Company part number.

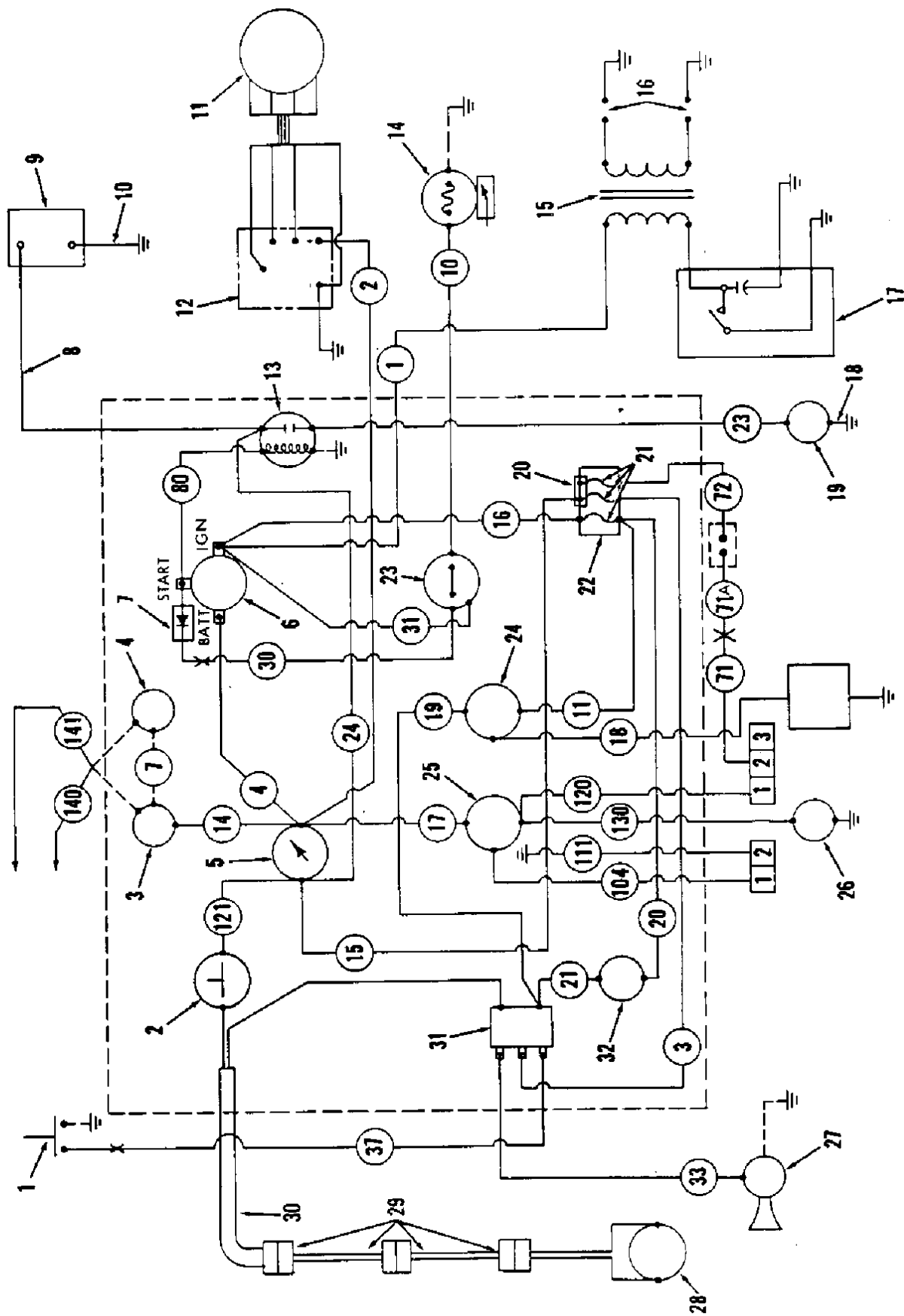


FIG. 24 - ELECTRICAL DIAGRAM - HI-DUMP MACHINE

FIG. 24 - ELECTRICAL DIAGRAM - HI-DUMP MACHINE

Ref. No.	TENNANT Part No.	Description	Qty.
1	47010	BUTTON, Horn	1
2	44078	SWITCH, Shaker Motor	1
3	14137	*SWITCH, Light, flasher/revolving	1
4	24576	*FLASHER, Flashing light	1
5	14127	AMMETER	1
6	62530	SWITCH, Ignition	1
	62530-1	KEY, Ignition switch	1
7	50565	DIODE ASSEMBLY, L.P. Only	1
8	29830-9	CABLE, Positive battery	1
9	26771	BATTERY, 12 volt	1
10	29831-4	CABLE, Negative battery	1
11	**	ALTERNATOR, Flywheel	1
12	**	REGULATOR	1
13	**	SOLENOID, Starter motor	1
14	53395-2	FILTER-FUELOCK, L.P. fuel	1
15	**	COIL, Ignition	1
16	**	SPARK PLUG	2
17	**	POINTS SET, Ignition	1
18	29832-4	CABLE, Engine grounding	1
19	**	MOTOR, Starter	1
20		STRIP, Terminal	1
21	14215	FUSE, 20 amp	5
22	44080	BLOCK, Fuse	1
23	51805	SWITCH, Oil pressure, L.P. only	1
24	47472	*GAUGE, Fuel	1
25	14137	*SWITCH, Headlight	1
26	22465	*LIGHT, Spot	1
27	14138A	HORN	1
28	54121	MOTOR, Shaker	1
29	47882	LEAD ASSEMBLY, Shaker motor	2
30	24108	LEAD, Shaker motor	1
31	14139A	RELAY, Horn	1
32	24518	*METER, Engine hour	1
	54412	HARNESS, Wire, includes wires: 1, 2, 10, 18, 23, 33, 37, 71, 104, 111, 4120, 130, 140, 141	1
	54418B	HARNESS, Wire, includes wires: 3, 4, 7, 11, 14, 15, 16, 17, 19, 20, 21, 24, 30, 31, 80	1

\* Parts included as part of an accessory

\*\* See "Engine Parts" section for part number





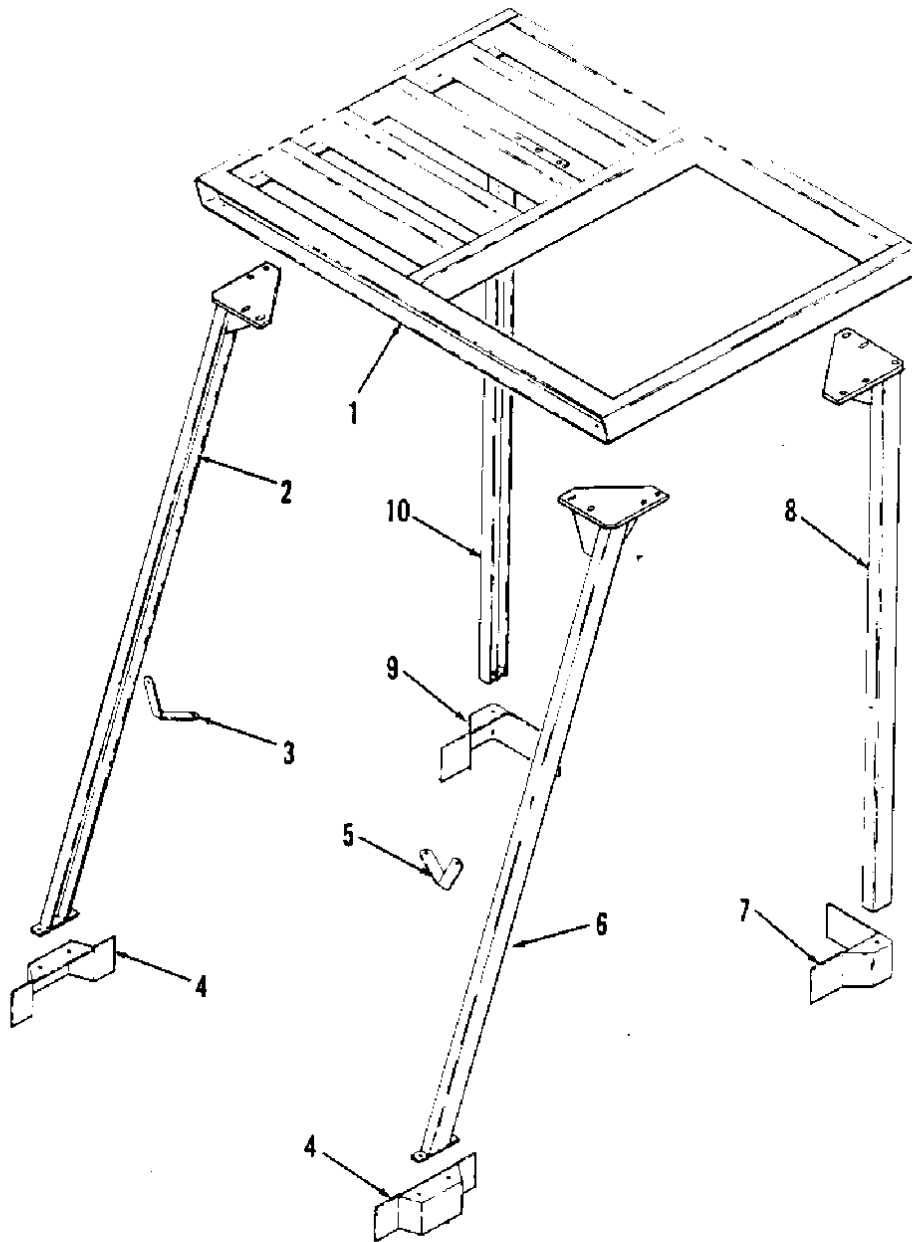
240

## POWER SWEEPER

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Protectoseal Gas Cap	34
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Air Cleaner Kit	35
Battery Hold Down	35
Tire & Wheel Assembly	35
Gradeability Kit	35
Hi-Speed Propelling Kit	35
Spout, Extension Kit	35
Chain, Tire	35

accessories

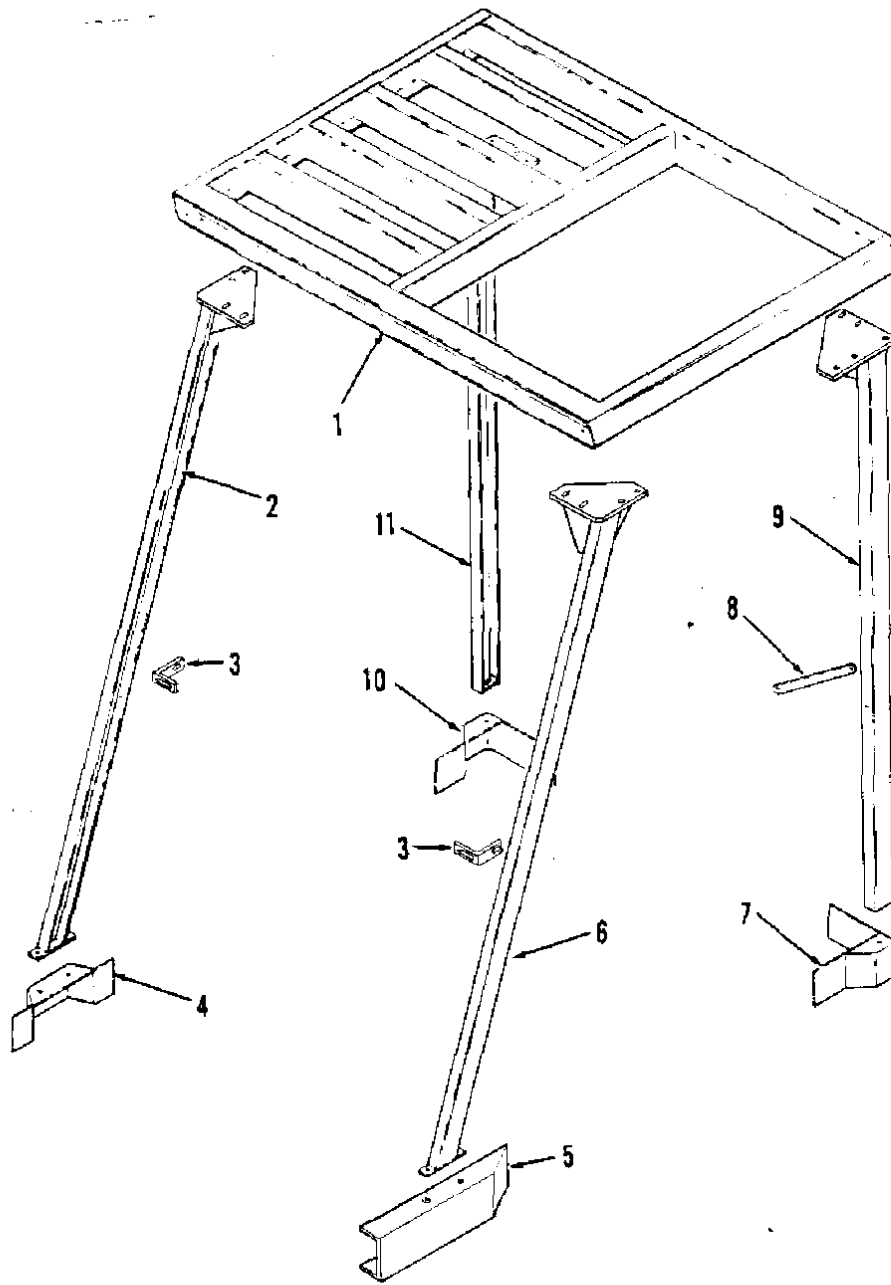




OVERHEAD GUARD (Standard Machines) 50415

02012

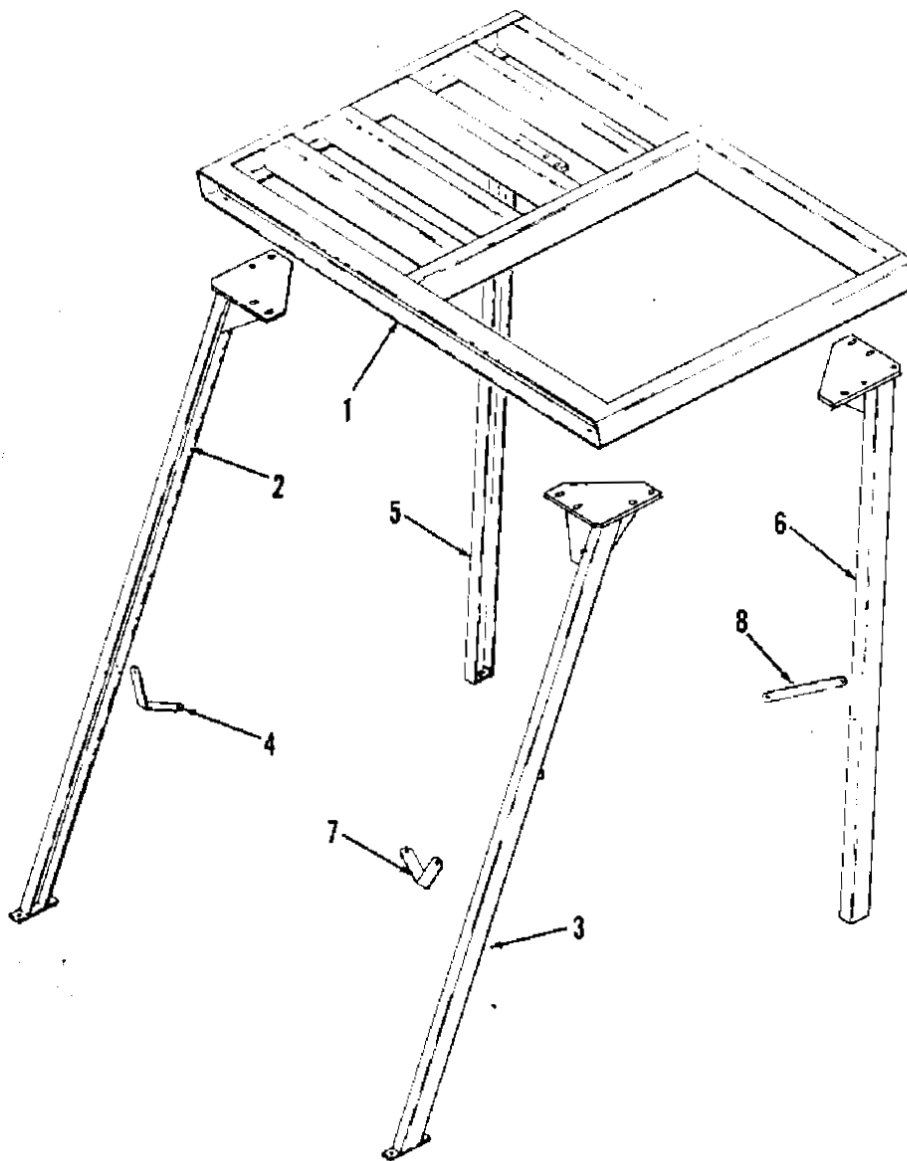
Ref. No.	TENNANT Part No.	Description	Qty.
1	50401	GUARD, Top	1
2	50404	LEG, Front, R. H.	1
3	47642	BRACE, Front, R. H.	1
4	54453	MOUNT, Leg, front	2
5	47643	BRACE, Front, L. H.	1
6	50405	LEG, Front, L. H.	1
7	54454	MOUNT, Leg, rear, L. H.	1
8	50406	LEG, Rear, L. H.	1
9	54455	MOUNT, Leg, rear, R. H.	1
10	50407	LEG, Rear, R. H.	1



OVERHEAD GUARD - HI-DUMP - #50420

02012

Ref. No.	TENNANT Part No.	Description	Qty.
1	50401	GUARD, Top	1
2	50404	LEG, Front, R. H.	1
3	33576	BRACE	2
4	54453	MOUNT, Leg, front, R.H.	1
5	37076	MOUNT, Leg, front, L. H.	1
6	50405	LEG, Front, L. H.	1
7	54454	MOUNT, Leg, rear, L. H.	1
8	47646	BRACE, Rear	1
9	50406	LEG, Rear, L. H.	1
10	54455	MOUNT, Leg, rear, R. H.	1
11	50407	LEG, Rear, R. H.	1
6/83	62170-4	MOLDING	4

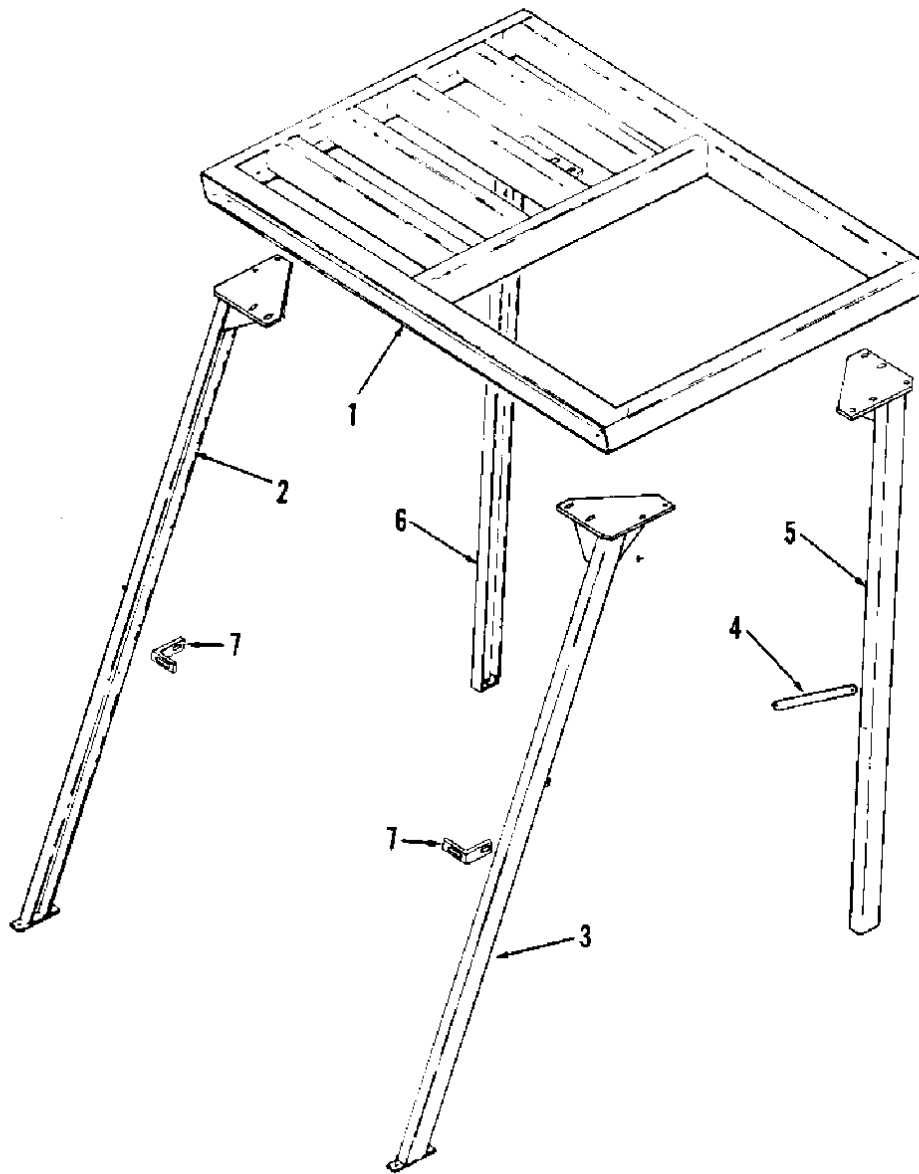


02012

OVERHEAD GUARD KIT #50416 for STANDARD MACHINE (with bolt-on bumper)

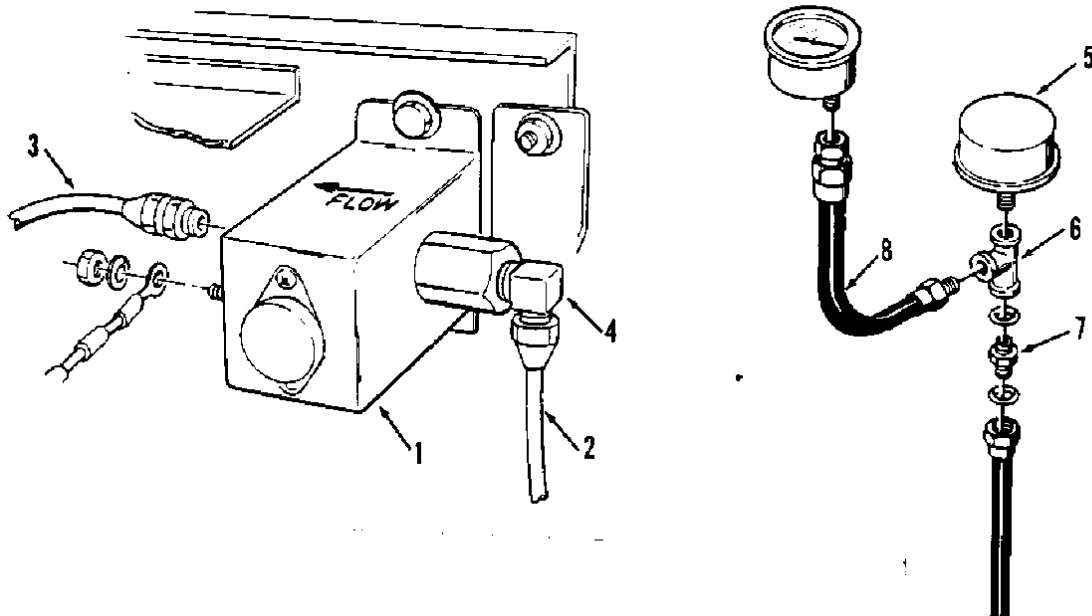
Ref. No.	TENNANT Part No.	Description	Qty.
1	50401	GUARD, Top	1
2	50404	LEG, Front, R.H.	1
3	50405	LEG, Front, L.H.	1
4	47642	BRACE, Front, R.H.	1
5	50406	LEG, Rear, R.H.	1
6	50407	LEG, Rear, L.H.	1
7	47643	BRACE, Front, L.H.	1
8	47646	BRACE, Rear, L.H.	1

12/82



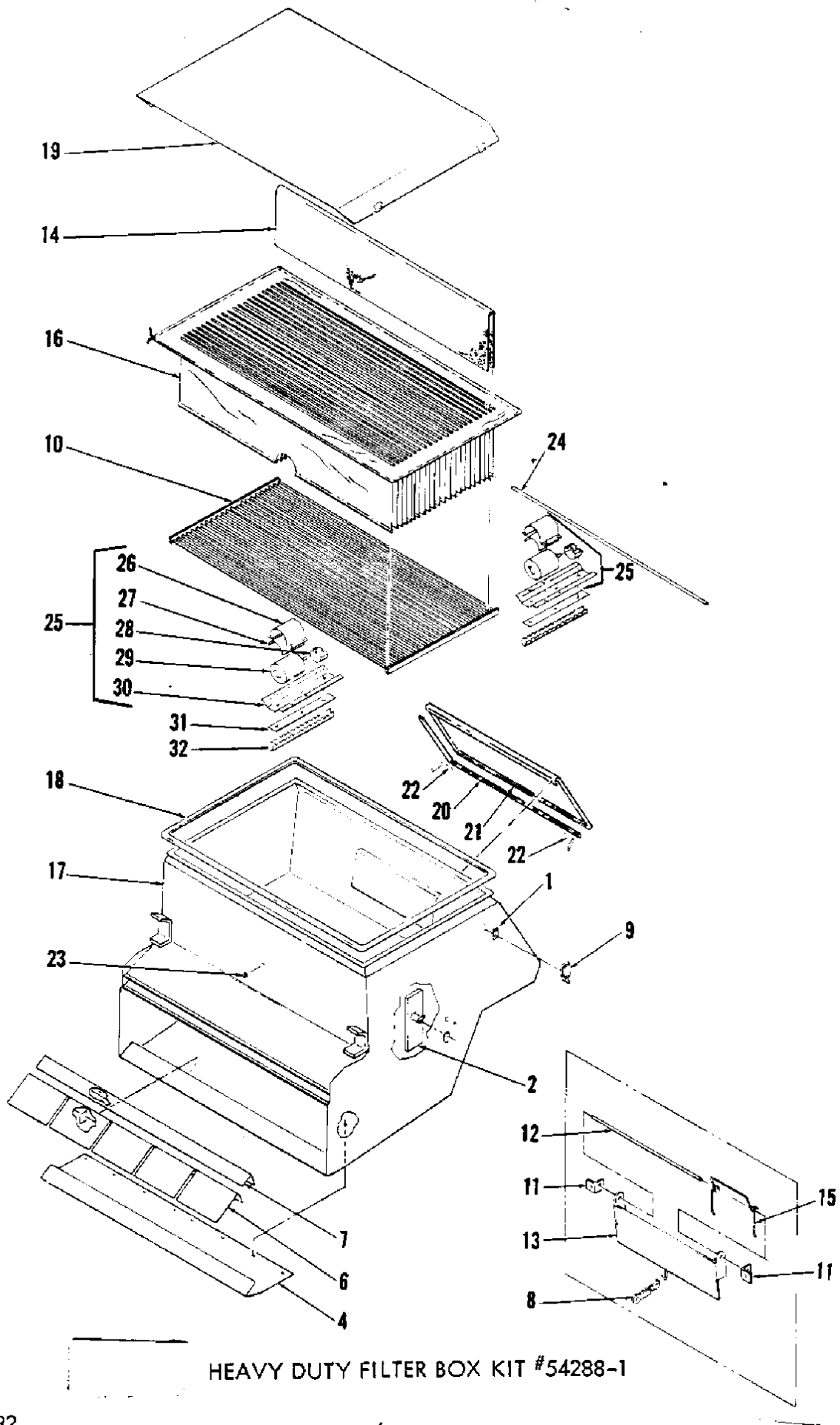
OVERHEAD GUARD KIT #50417 for HI-DUMP(with bolt-on bumper)

Ref. No.	TENNANT Part No.	Description	Qty.
1	50401	GUARD, Top	1
2	50404	LEG, Front, R.H.	1
3	50405	LEG, Front, L.H.	1
4	47646	BRACE, Rear	1
5	50406	LEG, Rear, L.H.	1
6	50407	LEG, Rear, R.H.	1
7	33576	STIFFENER	2
	62170-4	MOLDING	4



### ELECTRIC FUEL PUMP KIT #54234

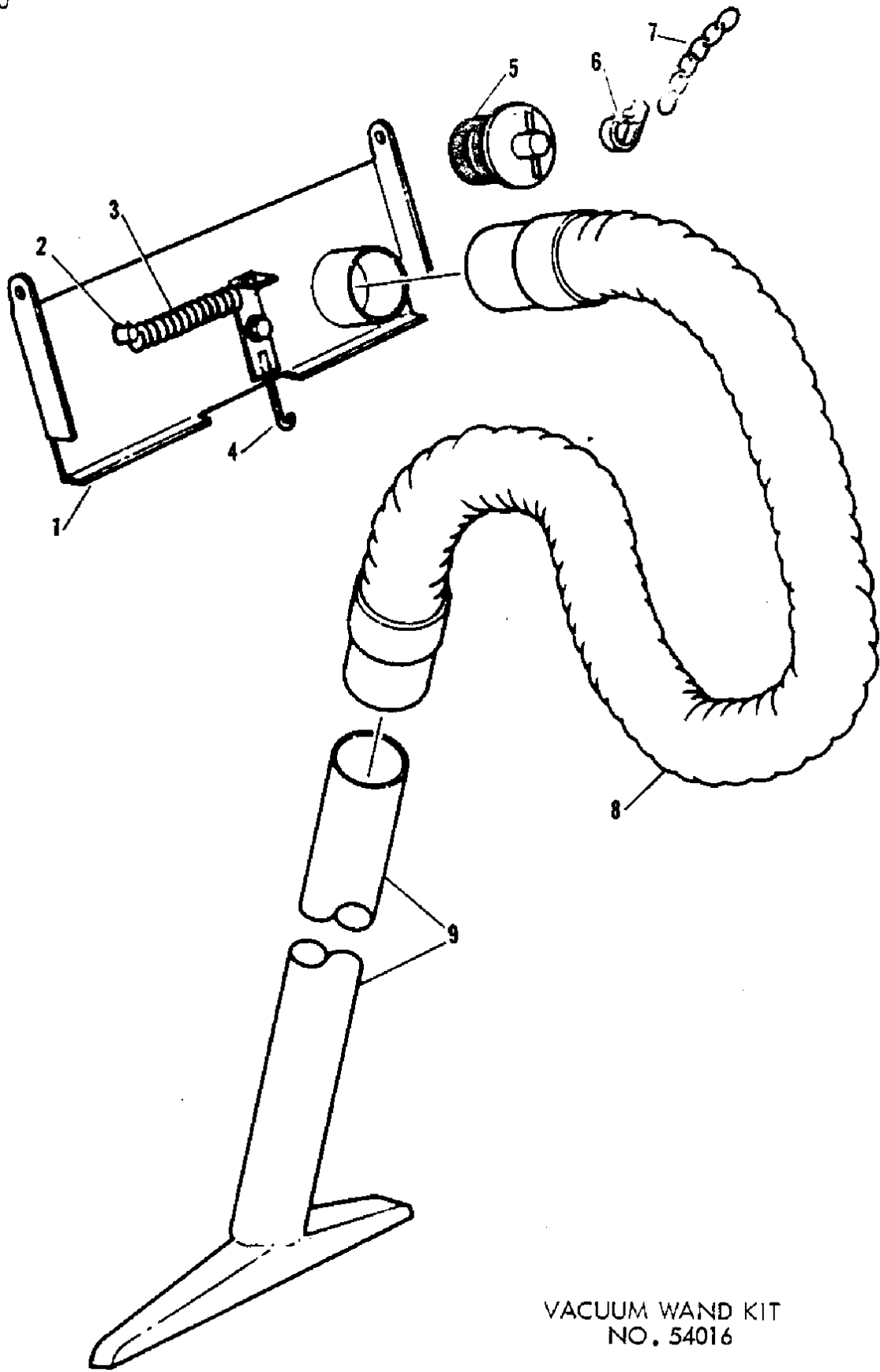
Ref. No.	TENNANT Part No.	Description	Qty.
1	54230	FUEL PUMP	1
2	54231	GAS LINE ASSEMBLY	1
3	54232	GAS LINE ASSEMBLY	1
4	06507	ELBOW	1
5	51805	SWITCH, Oil Pressure	1
6	22309	TEE	1
7	22383	CONNECTOR	2
8	53530	HOSE	1
	54229	COVER, Fuel Pump (Onan engine)	1
	54229-1	COVER, Fuel Pump (Kohler engine)	1
	54223	WIRING KIT	1
	WD219	WIRING DIAGRAM	1



HEAVY DUTY FILTER BOX KIT #54288-1



Ref. No.	TENNANT Part No.	Description	Qty.
1	23515	SPACER	4
	24096	SUPPORT, Pan, L. H. (not illustrated, see Ref. #2).	1
2	24097	SUPPORT, Pan, R. H.	1
4	46077	PLATE	1
5	46078	STIFFENER	1
6	48060	LIP	5
7	46080	BACKING	1
8	SK1511	FUSIBLE LINK ASSEMBLY	1
9	48048	CATCH	4
10	46071	RACK, Filter Bag	1
11	46087	PIVOT	2
12	46088	HINGE	1
13	51149	FIRE DOOR	1
14	53260	SEPARATORS	13
15	51372	SPRING	1
16	53259	BAG, FILTER	1
17	53261	FILTER BOX	1
18	53244	SEAL	1
19	53338	COVER, Filter Box	1
20	53461	SEAL, Set	1
21	53462	DOOR, Hopper	1
22	53697	CATCH, Spring	2
23	51798	GROMMET, Rubber	1
24	53934	BAR	26
25	54078	SHAKER MOTOR ASSEMBLY	2
26	44979	STRAP, Shaker motor	1
27	44893	PAD, Rubber	1
28	53264	WEIGHT, Eccentric	1
29	54121	MOTOR, Shaker	1
30	44980	SUPPORT	1
	47069-1	PAD, Shaker motor	1
31	53189	STRIP, Rod clamp	2
32	53421	ROD, Clamp, lower	2
	46062	BUMPER	1
	24108	LEAD, Shaker Motor	1
	46595	DEFLECTOR, Dirt, R. H.	1
	46596	DEFLECTOR, Dirt, L. H.	1
	53028	LEAD, Shaker motor	2
	53028-1	LEAD, Shaker motor	2



VACUUM WAND KIT  
NO. 54016

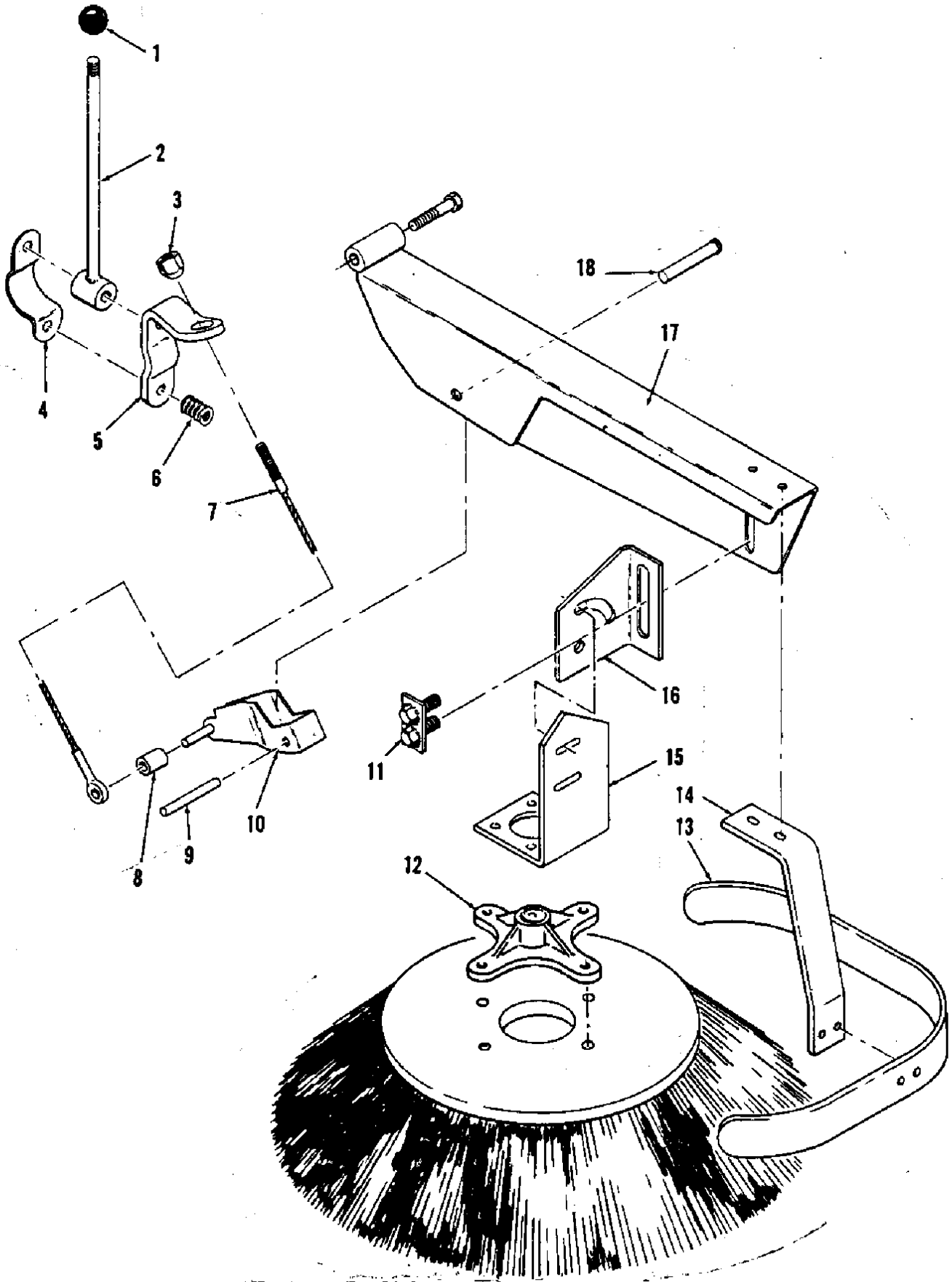
PARTS LIST FOR VACUUM WAND KIT 54016 (Standard Machine)

Ref. No.	TENNANT Part No.	Description	Qty.
1	49026	DOOR, Fire	1
2	51727	PIN, Clevis	1
3	01053	SPRING	1
4	54007	LATCH	1
5	42124	PLUG, Expandable	1
6	26395-2	CLAMP	1
7	49028	CHAIN	1
8	54009	HOSE & CUFF ASSEMBLY	1
9	54012	WAND	1
(not shown)	SK2731	CLIP, Holddown	6
(not shown)	08232-1	SPACER (Hopper)	1
	54135	DECAL, Vacuum wand	1

PARTS LIST FOR VACUUM WAND KIT 50596 (Hi-Dump Machines)

TENNANT Part No.	Description	Qty
32812	DOOR, Fire	1
50594	LEVER, Fire door	1
53697	CATCH, Spring	1
50590	DOOR, Access, hopper	1
50592	SEAL, Hopper access door	1
50597	FILTER BOX	1
37088-1	COVER, Filter box	1
51727	PIN, Clevis	1
01053	SPRING	1
42124	PLUG, Expandable	1
26395-2	CLAMP	1
49028	CHAIN	1
54009	HOSE & CUFF ASSEMBLY	1
54012	WAND	1
SK2731	CLIP, Holddown	1
08232-1	SPACER, Hopper	1
54135	DECAL, Vacuum attachment	1
28613-2	DECAL, TENNANT oval	1

240

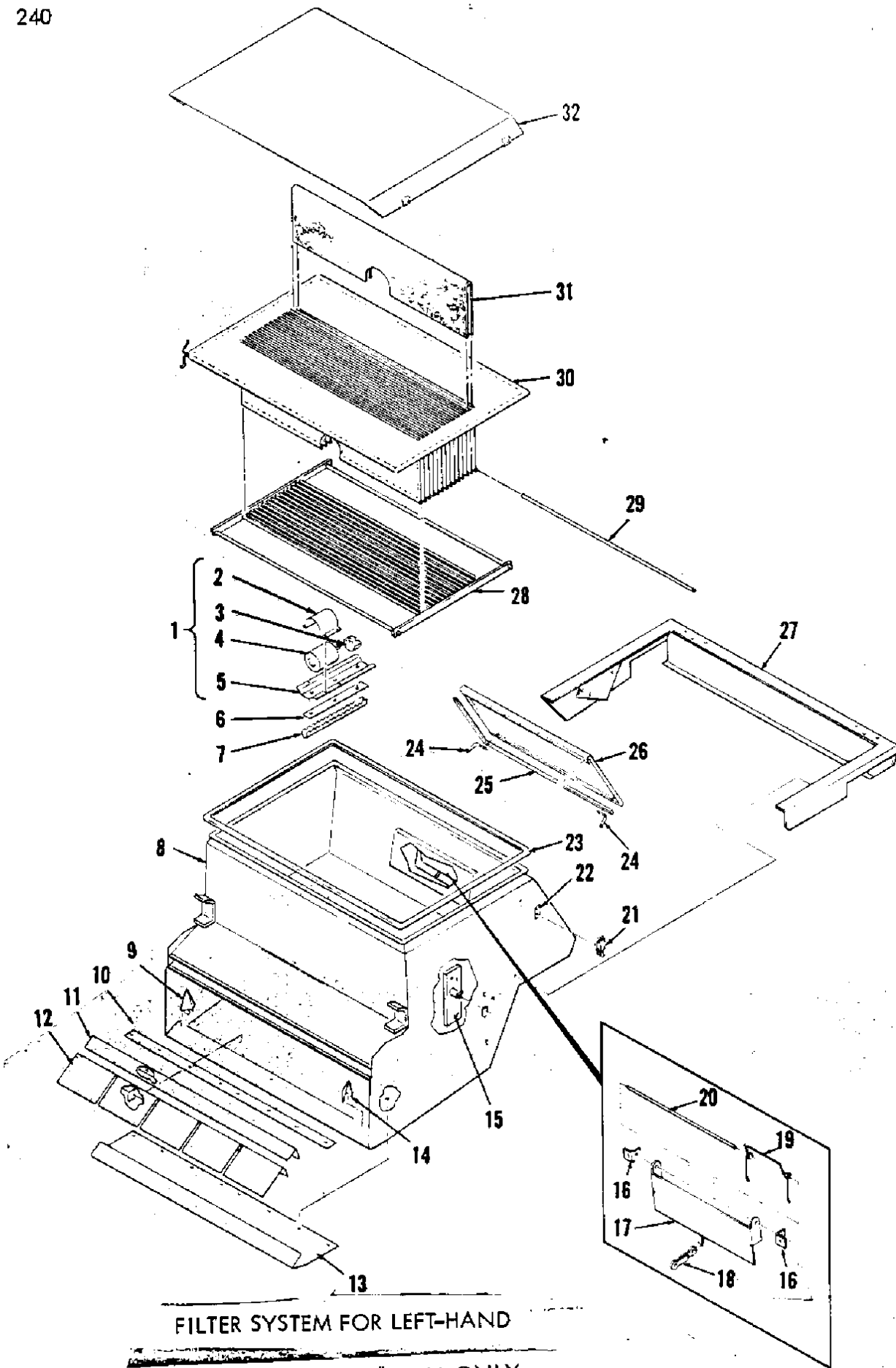


LEFT HAND SIDE BRUSH ASSEMBLY - Model 240  
SIDE BRUSH SUPPORT & DRIVE

12/82

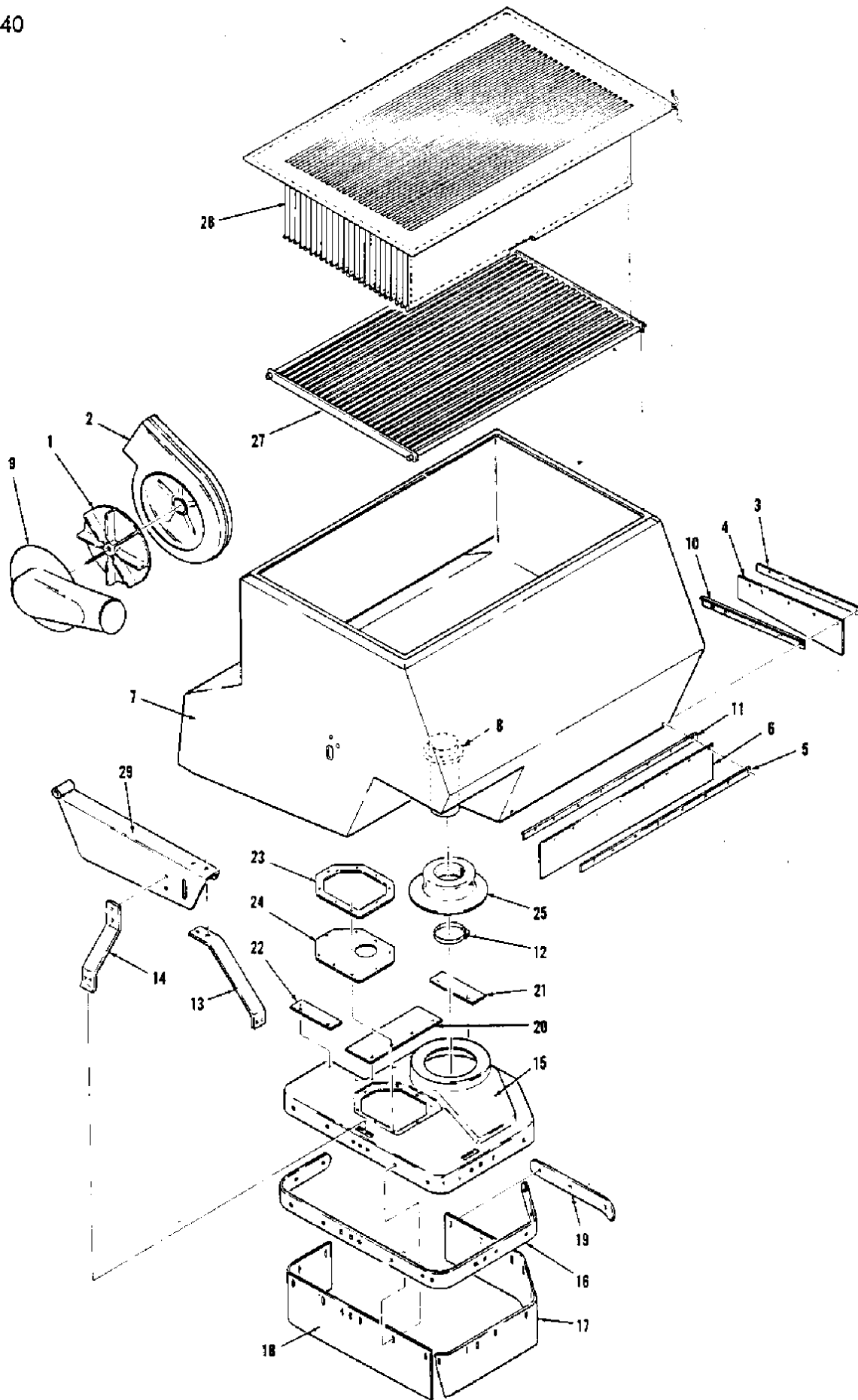
## #53436 - LEFT HAND SIDE BRUSH DRIVE AND SUPPORT ACCESSORY

Ref. No.	TENNANT Part No.	Description	Qty.
1	26156	KNOB	1
2	23304	LEVER, Brush lift	1
3	23293	NUT, Adjusting	1
4	23306-1	CLIP, Lift-arm	1
5	23307-1	ARM, Lift	1
6	14174	SPRING	1
7	23294	CABLE, Lift, side brush	1
8	22143	SLEEVE	1
9	23536	PIN, Pivot	1
10	23503B	YOKE, Lift, side brush	1
11	46347	LUG, Side brush	1
12	47501	ADAPTER, Brush	1
13	46034	BUMPER, Side brush	1
14	46033	SUPPORT, Bumper	1
15	53813	BRACKET	1
16	24210-1	BRACKET, Adjusting	1
17	46282	ARM, Side brush support	1
18	23191	PIN, Clevis	1
	06474A	PIN, Clevis	1



## FILTER SYSTEM FOR #53436 LEFT-HAND SIDE BRUSH ACCESSORY ONLY

Ref. No.	TENNANT Part No.	Description	Qty.
1	54078	SHAKER MOTOR ASSEMBLY	1
2	44979	STRAP, Shaker motor	1
3	53264	WEIGHT, Eccentric	1
4	54121	MOTOR, Shaker	1
5	44980	SUPPORT, Shaker motor	1
	44893	WRAP, Shaker motor	1
6	53189	STRIP, Rubber	1
7	53421	CLAMP, Rod, lower	1
8	53261-2	BOX, Filter	1
9	46596	DEFLECTOR, Dirt, left hand	1
10	46078	STIFFENER	1
11	46080	BACKING	1
12	48060	LIP	1
13	46077	PLATE	1
14	46595	DEFLECTOR, Dirt, right hand	1
15	24097	SUPPORT, Pan, right hand	1
	24096	SUPPORT, Pan, left hand (not shown)	1
16	46087	PIVOT	2
17	51149	DOOR, Fire	1
18	SK1511	LINK, Fusible	1
19	51372	SPRING	1
20	46088	HINGE	1
21	37083-1	CATCH	4
22	37085	SPACER	4
23	53264	SEAL	1
24	53697	CATCH, Spring	2
25	53461	SEAL	1
26	53462	DOOR, Hopper	1
27	46289	BUMPER	1
28	46071	RACK, Bag	1
29	53934	BAR	14
30	53259	BAG, Filter	1
31	53260	SEPARATORS	7
32	37088	COVER, Filter box	1



SIDE BRUSH DUST CONTROL

Home	Find...	Go To..	←	→
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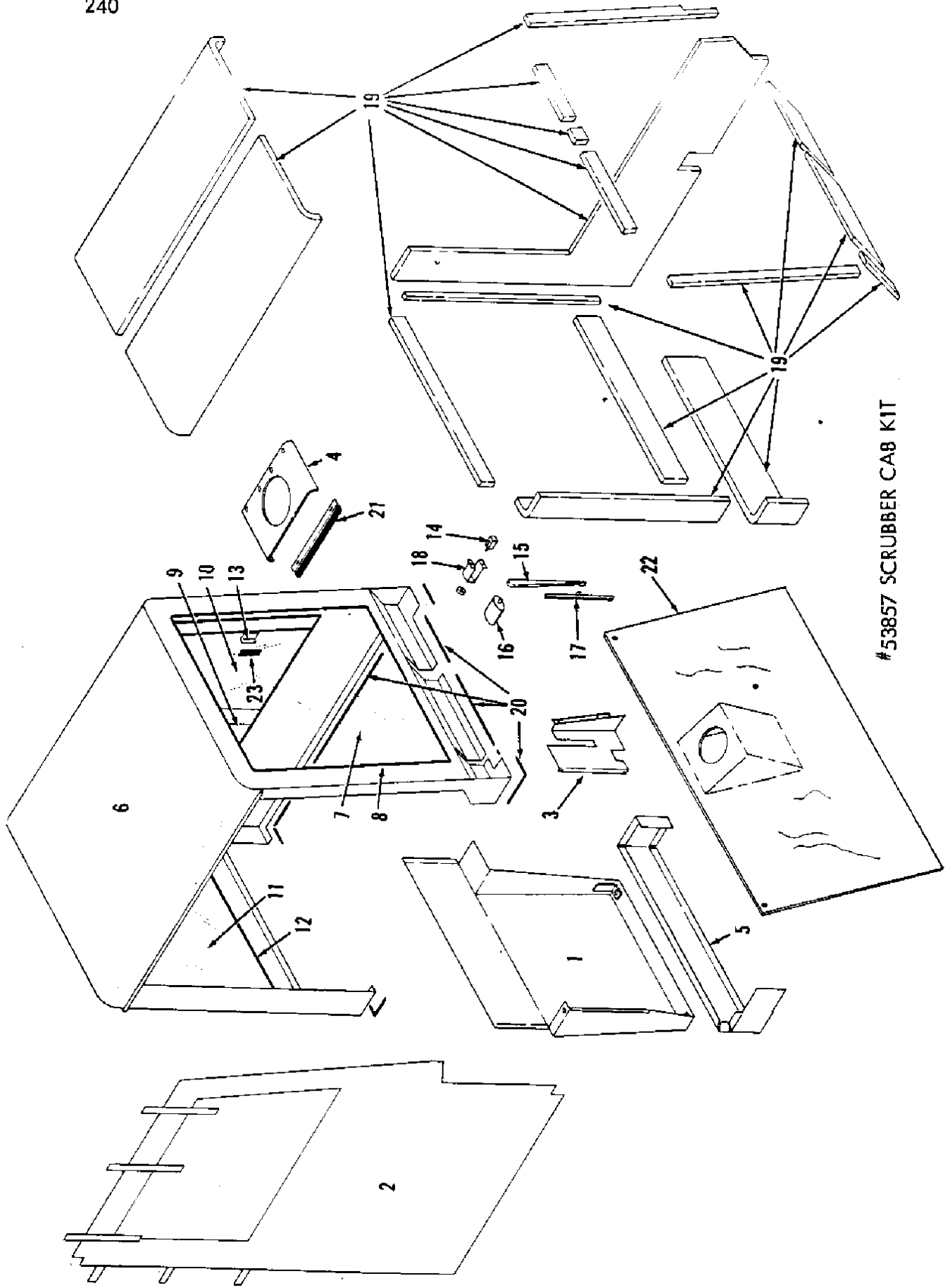


## SIDE BRUSH DUST CONTROL

02005

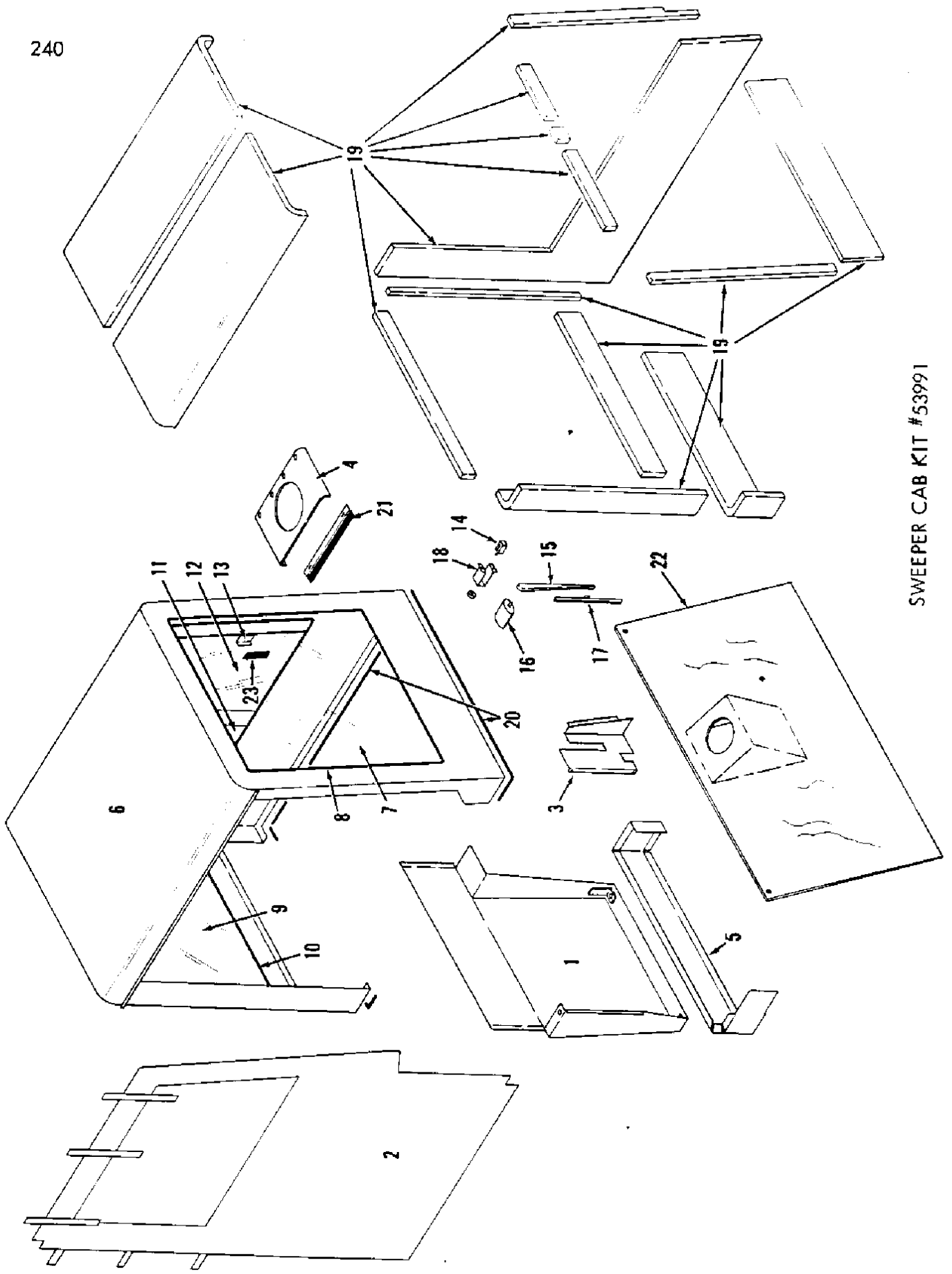
Ref. No.	TENNANT Part No.	Description	Qty.
1	53034-1	IMPELLER	1
2	54303A	FAN HOUSING	1
3	53102	RETAINER, Skirt, hopper	1
4	53103	SKIRT, Side hopper	1
5	53104	RETAINER, Skirt, hopper	1
6	53105	SKIRT, Front, hopper	1
7	53262	FILTER BOX	1
8	53120	SEAL, Fire Baffle	1
9	53148	HOUSING, Vacuum intake	1
10	53149	BAR, Mounting	1
11	53151	BAR, Mounting	1
	53509	SIDE BRUSH SHROUD ASSEMBLY	1
12	23498	CLAMP, Hose	1
13	53038	SUPPORT, Bumper front	1
14	53039	SUPPORT, Bumper side	1
15	53098-1	SHROUD ASSEMBLY, Side brush	1
16	53099	BUMPER, Shroud	1
17	53101	SKIRT, Front	1
18	53106	SKIRT, Side	1
19	53107	RETAINER, Skirt	1
20	53108	SEAL, Hopper	1
21	53109	SEAL, Hopper	1
22	53110	SEAL, Hopper	1
23	53212	RETAINER, Seal shroud	1
24	53407	SEAL, Shroud	1
25	53501	SEAL	1
	54106	MOTOR ASSEMBLY, Shaker	2
27	46096	RACK, Bag	1
28	53387	BAG, Filter	1
29	48062	ARM, Side brush	1
	46062	BUMPER	1
	47635	BRACKET, Support, Side brush dust shield	1

NOTE: All filter and fan assembly numbers not listed, are standard parts and can be found in parts list pages.



#53857 SCRUBBER CAB KIT

Ref. No.	TENNANT Part No.	Description	Qty.
1	53438	PANEL, Support	1
2	24106	DOOR, Cab	1
3	54436	SHIELD, Corner, operator	1
4	47584	DOOR, Instrument panel	1
5	53706	BUMPER, Cab (#53706-I used on Hi-Dump machines)	1
6	53855	CAB	1
	24464	HANDLE	2
7	23868	GLASS, Windshield	1
8	23867	EXTRUSION, Weatherstripping	1
9	23870	GLASS, Stationary	1
10	23871	GLASS, Sliding	1
11	23869	GLASS, Rear	1
12	23934	EXTRUSION, Weatherstripping	1
	23866	WEATHERSTRIP, Rubber	1
	23864	CHANNEL, Rigid	1
	23865	CHANNEL, Glassrun	1
	23863	STRIP, Rubber	1
13	15066	HANDLE PULL & LOCK SET ASSEMBLY	1
	14741	STUD	12
	23940-2	WINDSHIELD WIPER ASSEMBLY	1
14	14137	SWITCH, Windshield wiper	1
15	15121	ARM, Wiper blade	1
16	23945	MOTOR, Wiper	1
17	23947	BLADE, Wiper	1
	09384	CLAMP, Cable	3
	47999	WIRE KIT	1
18	23948-1	BRACKET, Switch	1
	01574	GROMMET, Rubber	1
	44289	GROMMET, Rubber	1
19	54710	CAB NOISE INSULATION KIT	1
20	54711	CAB SEAL KIT	1
21	47582-1	BRACKET, Support panel	1
22	23942	SHIELD, Operator leg	1
(not shown)	54527	RING, Rubber } (Under cab	8
(not shown)	54528	BUSHING, Rubber } mounting bolts)	8
	14741	STUD, Snap-on	2
23	58974	TAPE, Setting	2



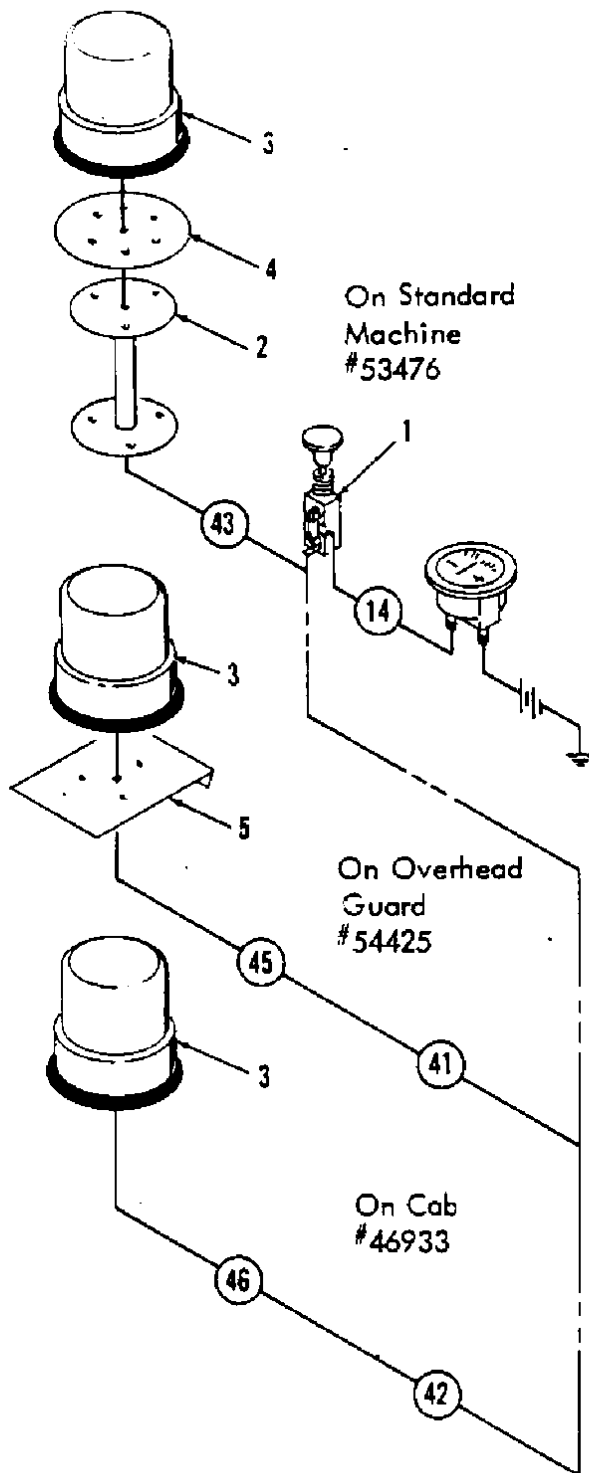
SWEeper CAB KIT #53991

Ref. No.	TENNANT Part No.	Description	Qty.
1	53438	PANEL, Support	1
2	24106	DOOR, Cab	1
3	54436	SHIELD, Corner, operator	1
4	47584	PANEL, Engine cover, cab	1
5	53706	BUMPER, Cab (#53706-1 on Hi-Dump machines)	1
6	53986	CAB ASSEMBLY	1
	24464	HANDLE	2
7	23868	GLASS, Windshield	1
8	23867	EXTRUSION, Weatherstripping	1
9	23869	GLASS, Rear	1
10	23934	EXTRUSION, Weatherstripping	1
11	23870	GLASS, Stationary	1
12	23871	GLASS, Sliding	1
	23866	WEATHERSTRIP, Rubber	1
	23864	CHANNEL	1
	23865	CHANNEL, Glassrun	1
	23863	SPACER, Rubber	1
13	15066	HANDLE PULL & LOCK SET ASSEMBLY	1
	14741	STUD	14
	23940-2	WINDSHIELD WIPER ASSEMBLY	1
14	14137	SWITCH, Windshield wiper	1
15	15121	ARM, Wiper blade	1
16	23945	MOTOR, Wiper	1
17	23947	BLADE, Wiper	1
18	23948-1	BRACKET, Switch	1
	09384	CLAMP, Cable	3
	47999	WIRE KIT, Incl. wires 45,46,47,48	1
	01574	GROMMET, Rubber	1
	44289	GROMMET, Rubber	1
19	54712	CAB NOISE INSULATION KIT	1
20	54713	CAB SEAL KIT	1
21	47582-1	BRACKET, Support panel	1
22	23942	SHIELD, Operator leg	1
	54527	RING, Rubber } under cab	8
	54528	BUSHING, Rubber } mounting bolts	8
	14741	STUD, Snap-on	2
23	58974	TAPE, Setting	2

CAB KIT #35503 for HI-DUMP MACHINES

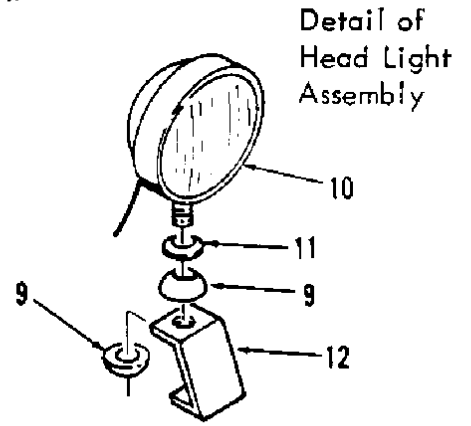
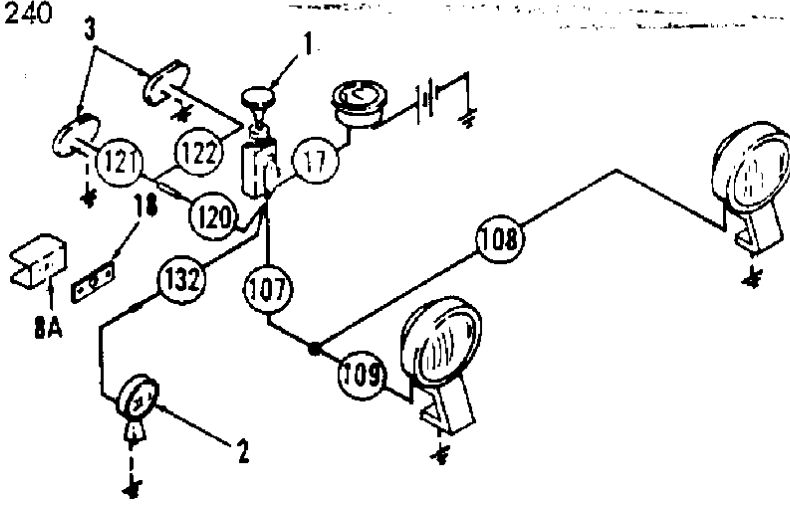
Ref. No.	TENNANT Part No.	Description	Qty.
1	53438	PANEL, Support	1
2	24106	DOOR, Cab	1
3	54436	SHIELD, Corner, operator	1
4	47584	PANEL, Engine cover, cab	1
5	53706 -1	BUMPER, Cab	1
6	48946	CAB ASSEMBLY	1
	24464	HANDLE	2
7	23868	GLASS, Windshield	1
8	23867	EXTRUSION, Weatherstripping	1
9	23869	GLASS, Rear	1
10	23934	EXTRUSION, Weatherstripping	1
11	23870	GLASS, Stationary	1
12	23871	GLASS, Sliding	1
	23866	WEATHERSTRIP, Rubber	1
	23864	CHANNEL	1
	23865	CHANNEL, Glassrun	1
	23863	SPACER, Rubber	1
13	15066	HANDLE PULL & LOCK SET ASSEMBLY	1
	14741	STUD	14
	23940-2	WINDSHIELD WIPER ASSEMBLY	1
14	14137	SWITCH, Windshield wiper	1
15	15121	ARM, Wiper blade	1
16	23945	MOTOR, Wiper	1
17	23947	BLADE, Wiper	1
18	23948-1	BRACKET, Switch	1
	09384	CLAMP	3
	47999	WIRE KIT	1
	01574	GROMMET, Rubber	1
	44289	GROMMET, Rubber	1
19	54712	CAB NOISE INSULATION KIT	1
20	54713	CAB SEAL KIT	1
21	47582-1	BRACKET, Support panel	1
(not shown)	54527	RING, Rubber { under cab	8
(not shown)	54528	BUSHING, Rubber { mounting bolts	8
22	23942	SHIELD, Operator leg	1

## REVOLVING LIGHT KIT

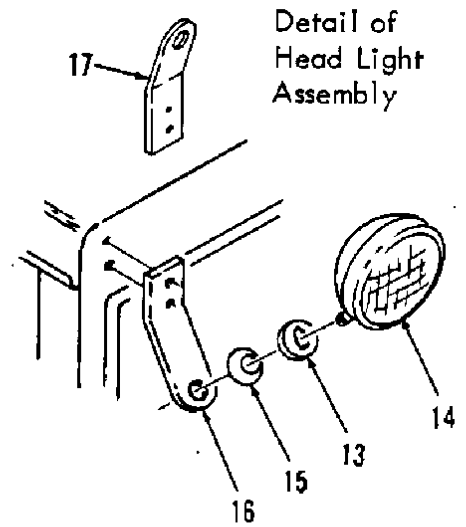
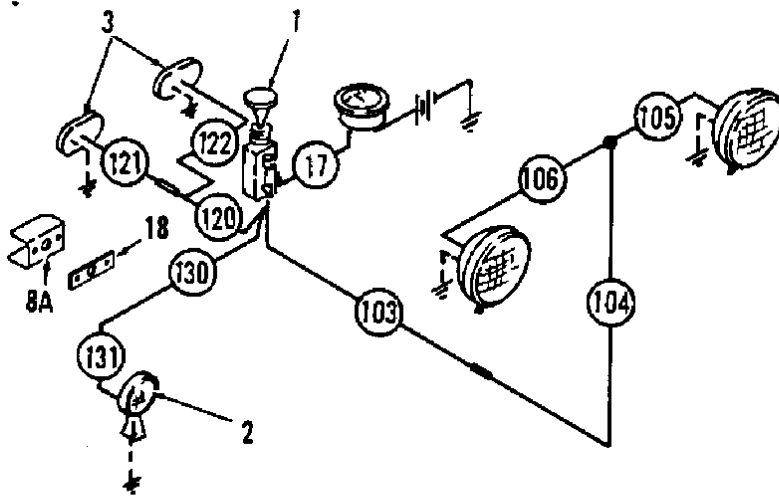


Ref. No.	TENNANT Part No.	Description	Qty.
1	14137	SWITCH	1
2	16513	SUPPORT, Light	1
3	SK2711	REPLACEMENT KIT (No. Amer. Red Rotating Light)	1
	45670	BULB, No. Amer.	1
	46928-1	LENS, Red, No. Amer.	1
	46928-2	LENS, Blue, No. Amer.	1
	46928-3	LENS, Amber, No. Amer.	1
3	16418	REVOLVING LIGHT, Red, Tripp	1
	16511	BULB, Tripp	1
	16421	LENS, Red, Tripp	1
	16422	LENS, Blue, Tripp	1
	16423	LENS, Amber, Tripp	1
4	46930	PLATE, TOP	1
5	SK2714	PLATE REPLACEMENT KIT (for old style)	1
5	33782	PLATE, Mounting, overhead guard	1
	47750	WIRING KIT (universal kit for all machines)	1
	01574	GROMMET	2
	62149	BRACKET	2
	62045	CLIP	2
	09384	CLAMP, Cable	4
	47778	SLEEVE	1
	47242	WIRING KIT, Cab, Includes wires 14, 42, 46	1
	49262	CLAMP, Conduit	5
	46314	GROMMET	1
	33783	BOLT, U	2

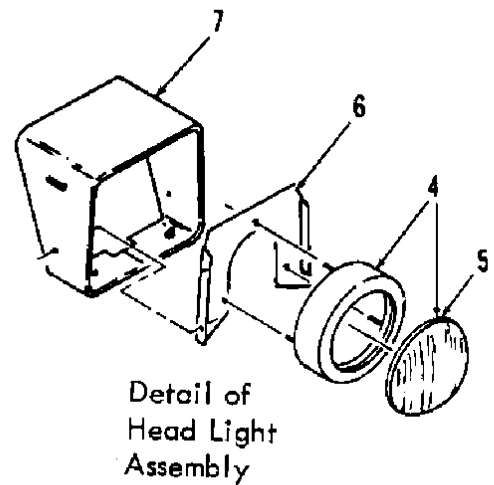
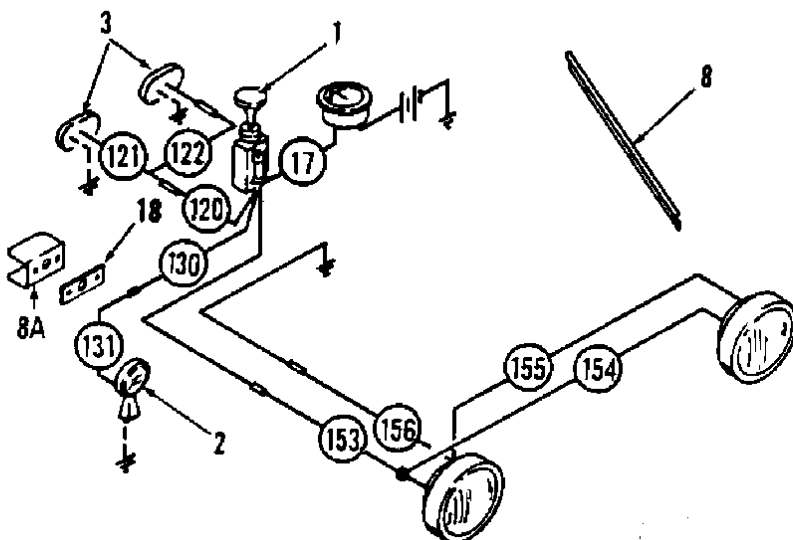
240



HEADLIGHT AND TAILLIGHT-LINTEL MOUNTED ASSEMBLY #53443



HEADLIGHT AND TAILLIGHT-CAB MOUNTED ASSEMBLY #53446



HEADLIGHT AND TAILLIGHT-HOPPER MOUNTED ASSEMBLY #53243



## HEADLIGHT AND TAILLIGHT KITS

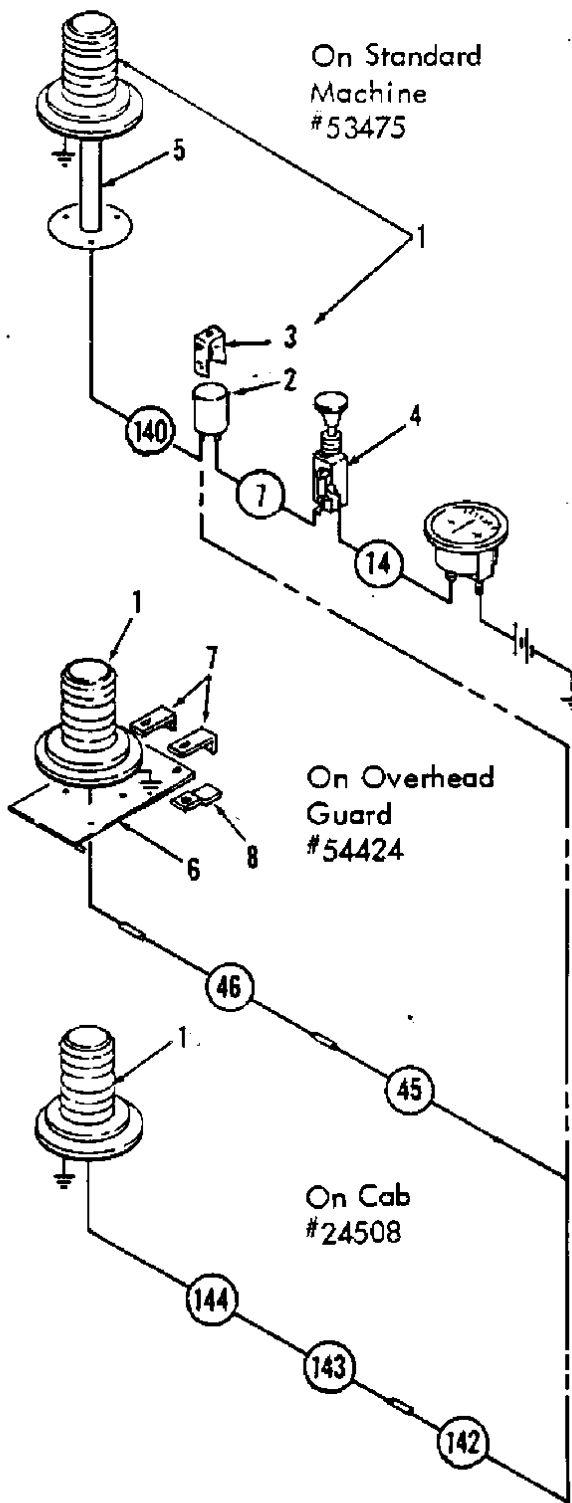
Hopper Mounted No. 53243

Lintel Mounted No. 53443

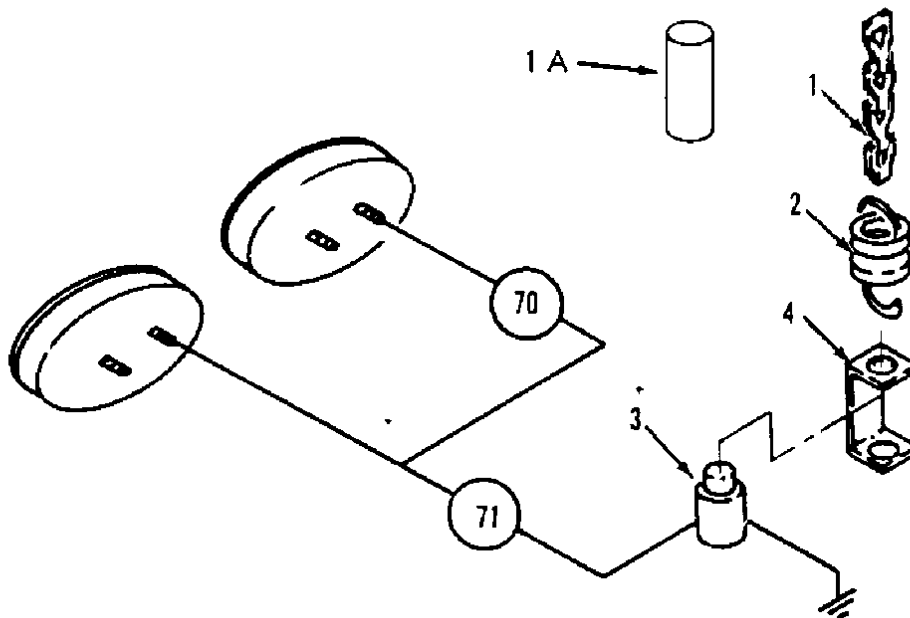
Cab Mounted No. 53446

Ref. No.	TENNANT Part No.	Part Name	No. Req.
	49266	TIE, Cable	2
1	14137	SWITCH	1
	15006	CONNECTOR	3
2	22465	SPOTLIGHT	1
	G.E. 1141	BULB	1
3	51572	TAILLIGHT (SIGNAL-STAT #505)	2
	45780	BULB	2
		LENS (SIGNAL - STAT #9001)	2
	51798	GROMMET, Rubber	2
	53245	GUARD, Light	2
	52403	PLATE, Taillight (LPG)	1
4	46108	HEADLIGHT ASSEMBLY	2
5	10801	HEADLIGHT	1
6	46110	HEADLIGHT PLATE	2
7	46306	WRAP, headlight	2
8	46237	GUARD, Hopper wire	1
8A	53245	GUARD, Taillight	2
	WD-206	WIRING DIAGRAM for Lintel Mounted lights	1
	WD-207	WIRING DIAGRAM for Hopper Mounted lights	1
	WD-205	WIRING DIAGRAM for Cab Mounted lights	1
	54417	WIRING KIT (FOR HOPPER MOUNTED)	1
9	24142	WASHER, light adj.	4
10	24298	HEADLIGHT	2
11	24227	WASHER	2
12	33545	BRACKET, headlight	2
	54415	WIRING KIT (FOR LINTEL MOUNTED)	1
13	24142	WASHER, light adjusting	4
14	24298	HEADLIGHT	2
	24515	LAMP, replacement	
15	24227	WASHER	2
16	50448	BRACKET, headlight	2
	54415	WIRING KIT (FOR CAB MOUNTED)	1
17	50448	BRACKET, headlight (Hi-Dump only machines)	
	14347	STRIP, Terminal, short	1
18	52403	PLATE, Taillight	2
	01574	GROMMET	2
	54420	WIRE HARNESS, Taillights	1
	46236	CLAMP, Cable	1
	09385	CLAMP, Cable	3

# FLASHING LIGHT KIT



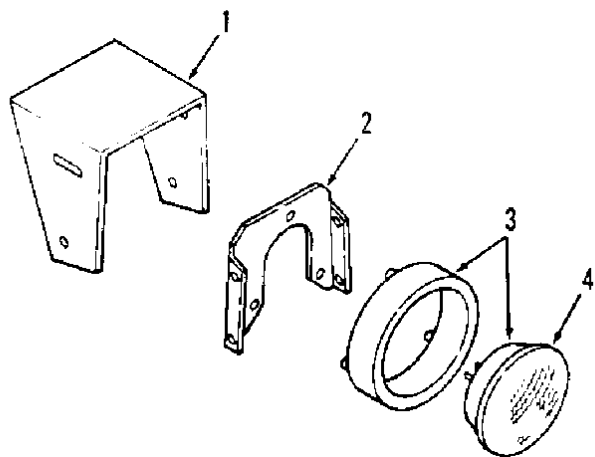
Ref. No.	TENNANT Part No.	Description	Qty.
1	47535	LIGHT ASSEMBLY, Flashing, red	1
	47535-1	LENS, Red	1
	22640	LAMP	1
2	24576	FLASHER	1
3	24576-1	BRACKET, Flasher	1
	47536	LIGHT ASSEMBLY, Flashing, amber	1
	47536-1	LENS, Amber	1
	47537	LIGHT ASSEMBLY, Flashing, blue	1
	47537-1	LENS, Blue	1
4	14137	SWITCH	1
5	16513	SUPPORT, Flashing light standard	1
6	SK2714	PLATE REPLACEMENT KIT (for old style)	1
6	33782	PLATE, Mounting, overhead guard (for U-Bolt mounting)	1
	62149	BRACKET, L, overhead guard	2
	62045	CLIP, overhead guard	2
	09384	CLAMP, Cable	4
	01574	GROMMET, 0.22" ID (5.6 mm)	1
	46314	GROMMET, 0.20" ID (5.1 mm)	1
	47750	WIRE KIT, Overhead guard & standard	1
	24511	WIRE KIT, Cab	1
	47788	SLEEVE, Vinyl, overhead guard	1
	33783	BOLT, U	2



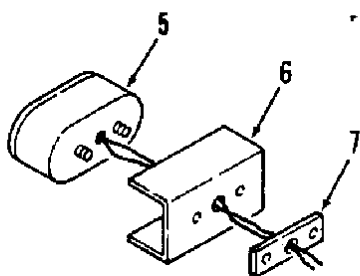
BRAKE LIGHT KIT #54112

Ref. No.	TENNANT Part No.	Description	Qty.
1A	47954	SLEEVE	1
1	28499	CHAIN	1
2	43672	SPRING, Tension	1
3	43673	SWITCH	1
4	44539	BRACKET, Switch	1
	19824	WIRE KIT	1

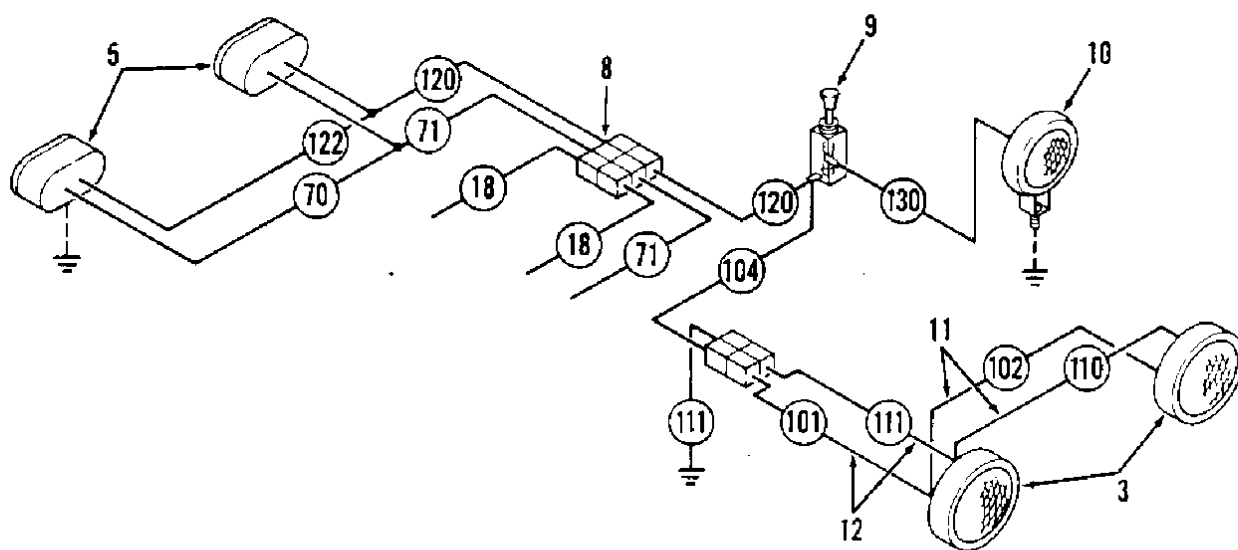
Note: This kit adapts operating light kit to provide brake light feature.



HEADLIGHT ASSEMBLY



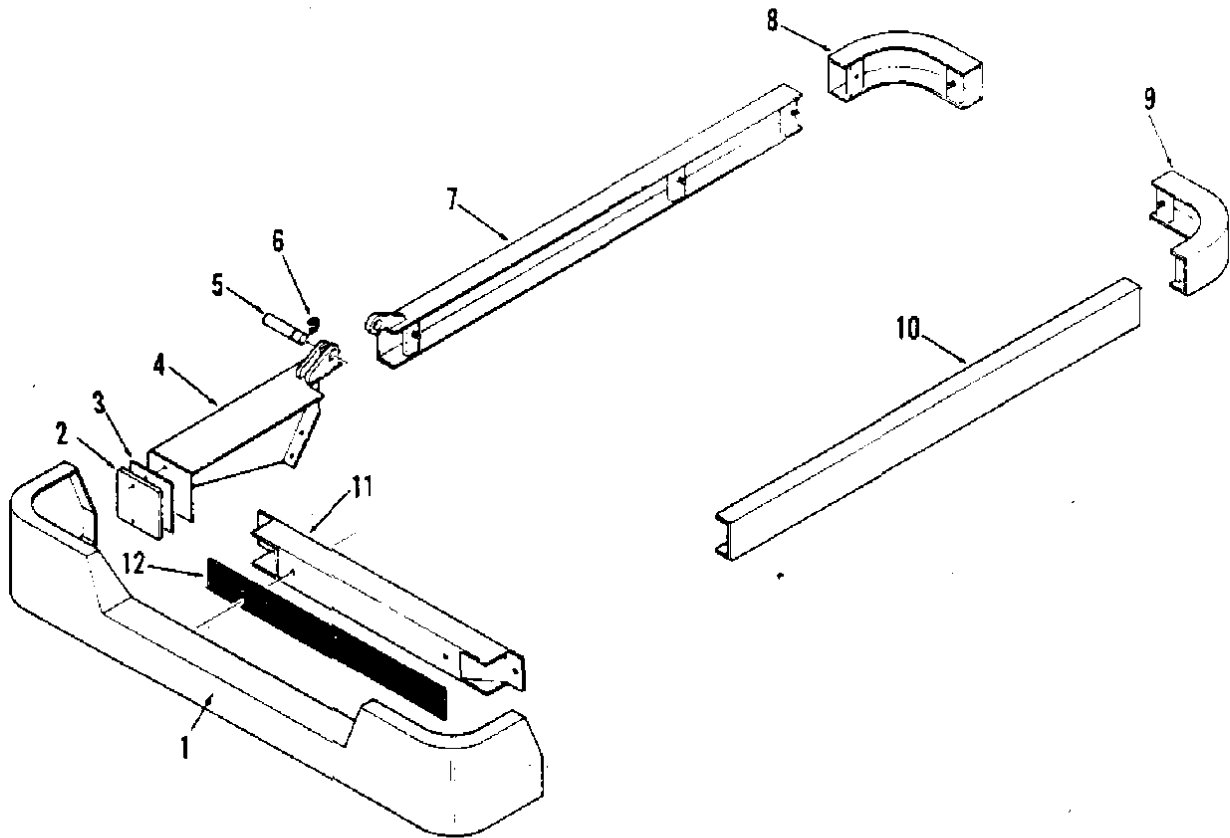
TAIL LIGHT ASSEMBLY



HEADLIGHT AND TAIL LIGHT ASSEMBLY - HI-DUMP HOPPER MOUNTED

## HEADLIGHT AND TAIL LIGHT KIT #50473

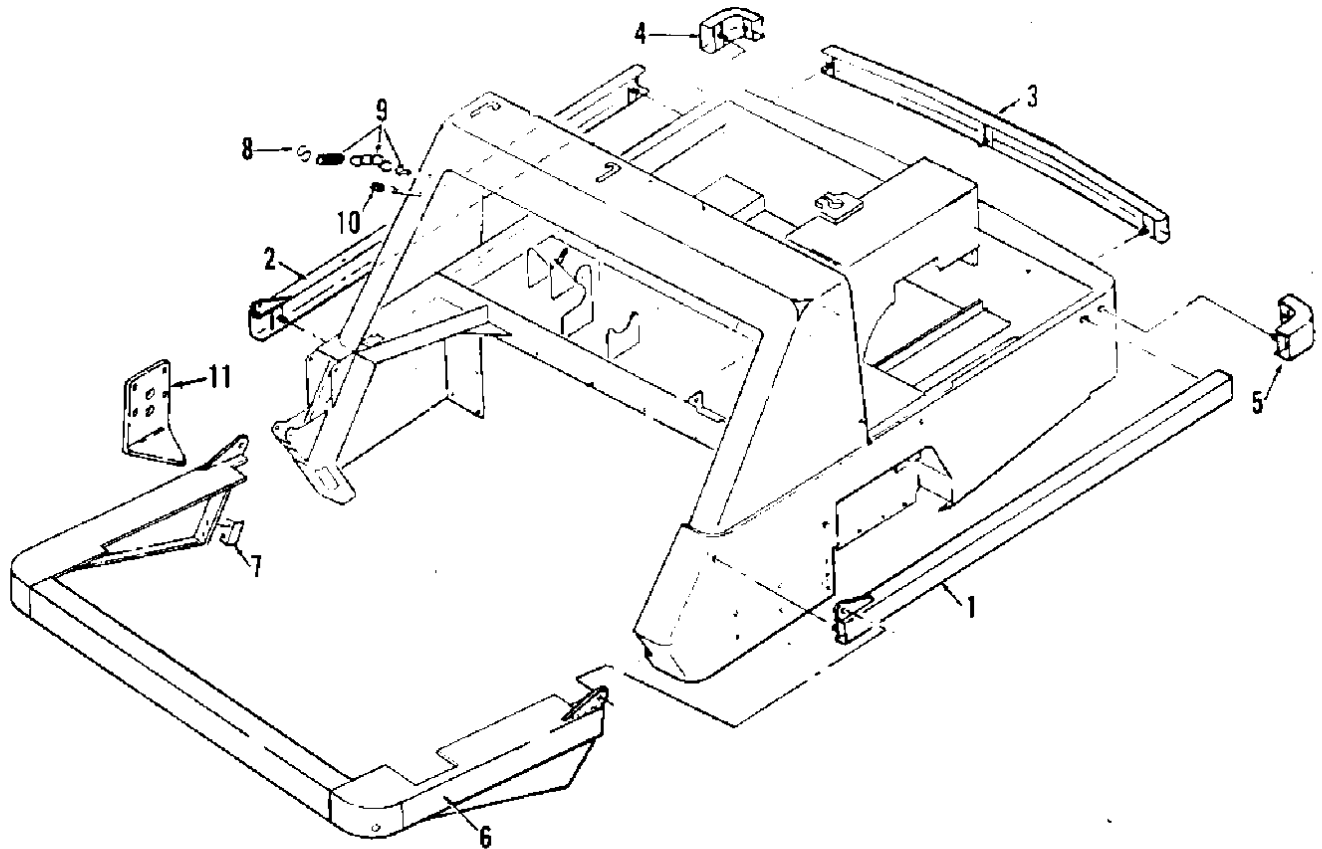
Ref No.	TENNANT Part No.	Description	Qty.
1	51665	COVER, Headlight	2
2	46110	PLATE, Headlight	2
3	51569	HEADLIGHT ASSEMBLY	2
4	32826	LAMP, Headlight	1
5	51572	TAIL LIGHT, Rear	2
	45780	BULB	1
6	53245	GUARD, Tail light	2
7	52403	PLATE, Tail light, P.L. only	1
8	54420	HARNES, Tail light	1
9	14137	SWITCH	1
10	22465	SPOTLIGHT	1
11	50468	CORD, Headlight, 40" (1016.0 mm) L	1
12	50469	CORD, Headlight, 97" (2463.8 mm) L	1
	06777	CLAMP, Cable, .65" (16.51 mm) Dia.	1
	09384	CLAMP, Cable, .17" (4.32 mm) Dia.	1
	09385	CLAMP, Cable, .43" (10.92 mm) Dia.	3
	46236	CLAMP, Cable, .25" (6.35 mm) Dia.	3
	47591	RELIEF, Strain	2
	01574	GROMMET, Rubber	2
	49266	TIE, Cable	1
	15006	TERMINAL, Connector	1
	WD267	WIRING DIAGRAM	1



WRAP-AROUND BUMPER FOR HI-DUMP MACHINES

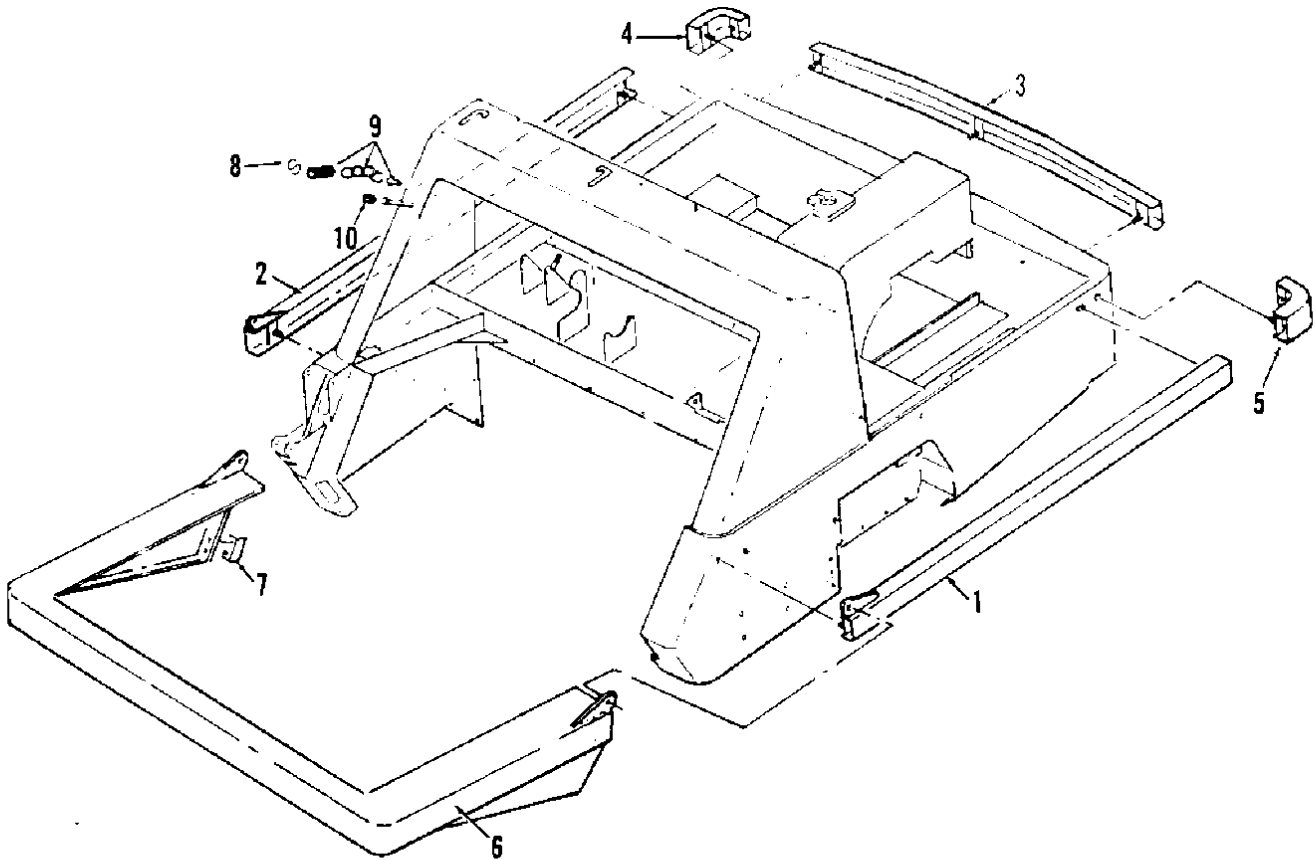
02003

Ref. No.	TENNANT Part No.	Description	Qty
	35500	BUMPER KIT, Wrap-around	1
1	48692	BUMPER, Front	1
2	36986	PLATE	1
3	48951-1	PLATE, Spacer	1
4	36958	BUMPER, Sidebrush	1
5	36993	PIN, Bumper pivot	1
6	23788	RING, Retaining	1
7	35507	BUMPER, Side R.H.	1
8	53629	BUMPER, Corner R.H.	1
9	53629-1	BUMPER, Corner L.H.	1
10	35506	BUMPER, Side L.H.	1
11	36980	SUPPORT, Front bumper	1
12	36979	STRIP, Rubber bumper	1



BUMPER KIT - BOLT ON #50393 ( Prep for Scrub)

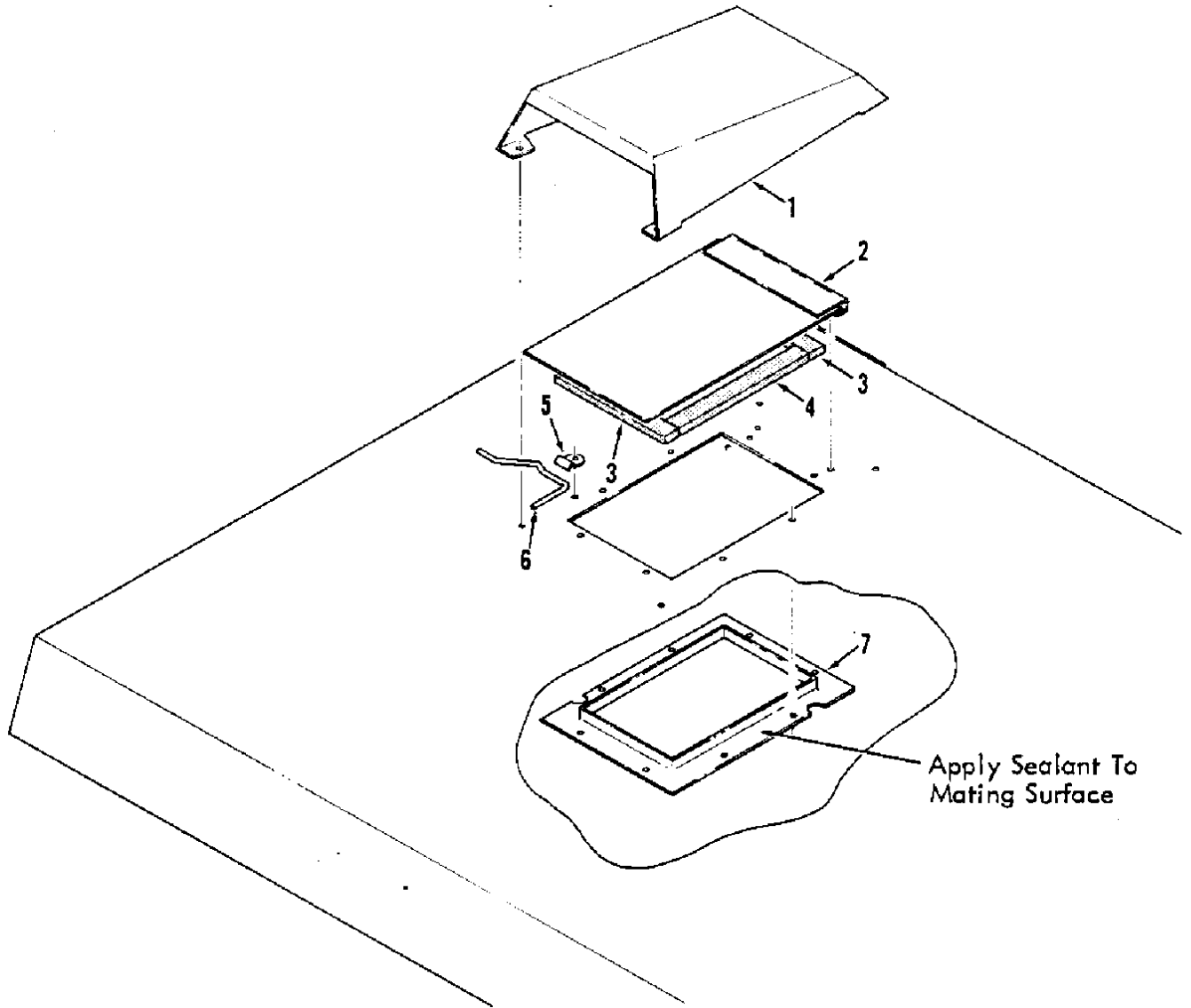
Ref. No.	TENNANT Part No.	Description	Qty.
1	53625	BUMPER, Bolt-on, L.H.	1
2	53625-1	BUMPER, Bolt-on, R.H.	1
3	53627	BUMPER, Bolt-on, Rear	1
4	53629	BUMPER, Corner, R.H.	1
5	53629-1	BUMPER, Corner, L.H.	1
6	53211	BUMPER, Hinged	1
7	82189	BRACKET	2
8	21097	HOOK, Eyebolt	1
9	47280	CHAIN ASSEMBLY, bumper	1
10	43250	TIP, Rubber	1
11	43346A	GUARD, Motor	1



BUMPER KIT - BOLT ON - #50394 (For Sweeper)

Ref. No.	TENNANT Part No.	Description	Qty.
1	53625	BUMPER, Bolt-on, L.H.	1
2	53625-1	BUMPER, Bolt-on, R.H.	1
3	53627	BUMPER, Bolt-on, Rear	1
4	53629	BUMPER, Corner, R.H.	1
5	53629-1	BUMPER, Corner, L.H.	1
6	82162	BUMPER, Hinged	1
7	24528	BRACKET	2
8	21097	HOOK, Eyebolt	1
9	46819	CHAIN ASSEMBLY, Bumper	1
10	43250	TIP, Rubber	1

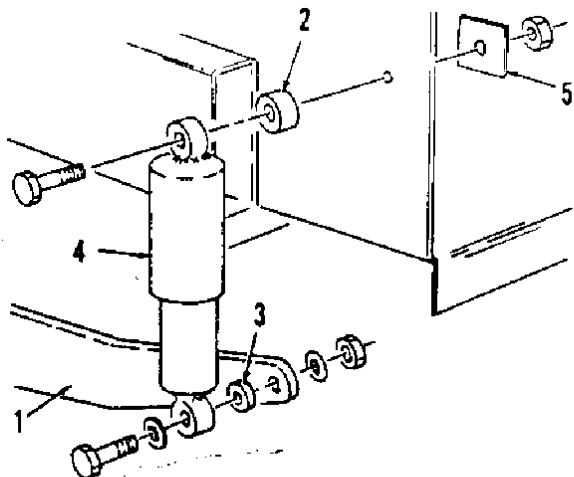




FILTER BY-PASS KIT #39550

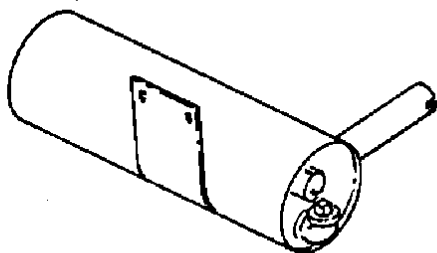
Ref. No.	TENNANT Part No.	Description	Qty.
	39550	FILTER BY-PASS KIT	1
1	56202	SCOOP, Air	1
2	39554	DOOR ASSEMBLY, Air	1
3	39558	SEAL, Door	2
4	50616	SEAL, Door	2
5	09092-1	CLIP, Control arm	1
6	39559	ARM, Control	1
7	39551	STIFFENER, Door seal	1
	08317	SEALANT, Silastic	1

### #43657 SHOCK ABSORBER KIT

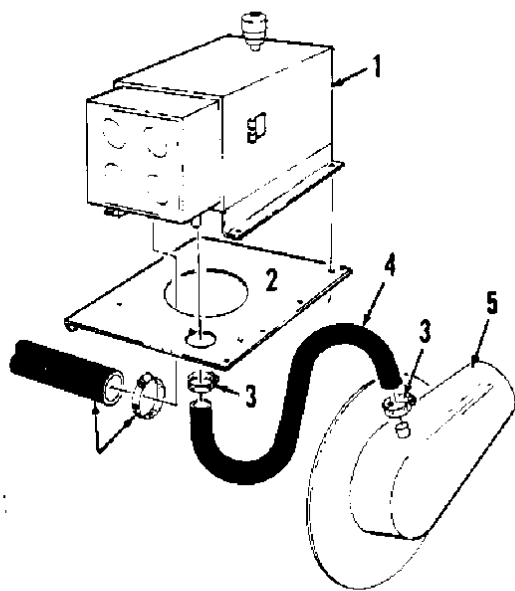


Ref. No.	TENNANT Part No.	Description	Qty.
1	43655-1	ARM, Shock absorber	1
2	43653	SPACER	1
3	43654	SPACER	1
4	43652	SHOCK ABSORBER	1
5	43656	WASHER	1

### #54164 WATER MUFFLER KIT



### #53205 (GAS) FARR AIR CLEANER KIT #54153 (LP) FARR AIR CLEANER KIT

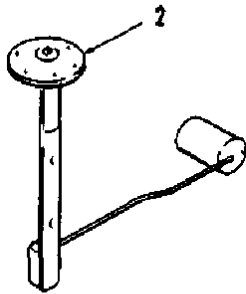


Ref. No.	TENNANT Part No.	Description	Qty.
1	53180	*FILTER ASSEMBLY FARR (Gas)	1
	53180-3	*FILTER ASSEMBLY FARR (LP)	(1)
2	53739-1	PANEL, Engine cover	1
3	54333	CLAMP, Wormdrive (Gas)	2
	43274	CLAMP, Wormdrive (LP)	(2)
4	54286	HOSE	1
5	53148-1	HOUSING, Vacuum fan	1
6	49195	FASTENER ASSEMBLY	2

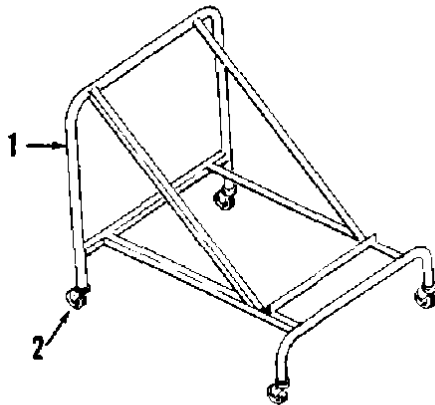
\*Replaceable element is #48127



46712 PANEL LIGHT KIT 1



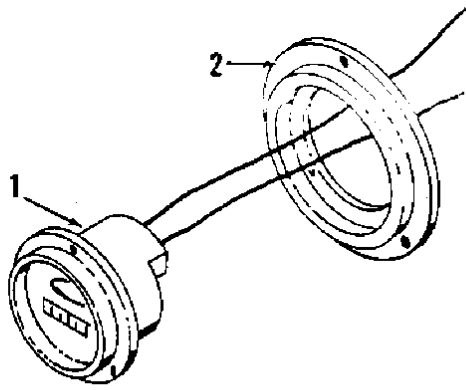
	53195	FUEL GAUGE KIT	1
1	47472	GAUGE, Fuel level	1
2	47473	SENDING UNIT, Fuel level	1
	14131	GASKET	1
	WD204	WIRING DIAGRAM	1
	14215	FUSE	1



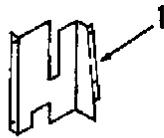
	24147	HOPPER DOLLY ASSEMBLY	1
1	24145	CART	1
2	24149	SOCKET	4
	24259 A	CASTER, Swivel	4



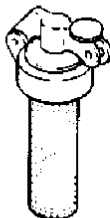
	46938	FIRE EXTINGUISHER KIT	1
	25312	FIRE EXTINGUISHER	1



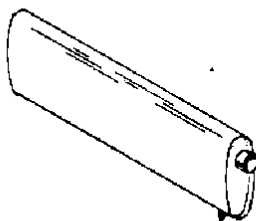
	53134	HOUR METER KIT	1
1	24518	METER, Hour	1
2	28838	DAMPNER	1
	14215	FUSE, 20 AMP	1
	WD208	WIRING DIAGRAM	1
	53118	WIRING KIT (for machines not wired for hour meter)	1

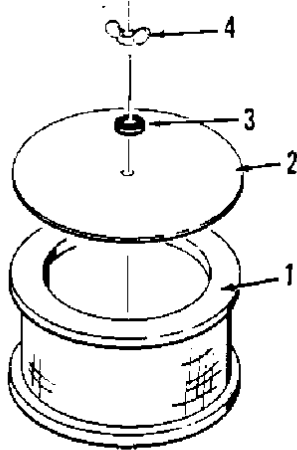


	24057	OPERATOR SHIELD KIT	1
1	54436	SHIELD, Operator corner	1
	59118-6	CHANNEL, Molding	1
	59118-7	CHANNEL, Molding	1



02506-6 CAP, Gas, (Protectoseal)





	54113	AIR CLEANER KIT, Heavy duty	1
1	27313	ELEMENT, Air cleaner	1
2	54081	COVER	1
3	24924	WASHER, Nylon	1
4	46591	NUT, Wing	1

#### ACCESSORIES NOT ILLUSTRATED

43590	HOLD DOWN BATTERY KIT	1
13016	BRACKET	1
13013	ROD	1
53817	TIRE & WHEEL ASSEMBLY, Rear, solid, Bearcat	1
53816	TIRE	1
53818	WHEEL, Hub	1
24507	DECAL, Caution	1
53640	TIRE & WHEEL ASSEMBLY, Rear, Steelguard	1
53819	TIRE, TUBE & FLAP	1
53818	WHEEL, Hub	1
45786	CAP, Valve stem	1
24120	TIRE & WHEEL ASSEMBLY, Solid, smooth	1
25197A	TIRE	1
25193A	WHEEL, Hub	1
54176	GRADEABILITY KIT	1
53235	PUMP, Hydraulic	1
50384	HI-SPEED PROPELLING KIT	1
53892-2	MOTOR (Char-Lynn 3000 series motor)	1
46480	CONNECTOR	2
59172	HOSE	1
42206	HOSE	1
54986	SEAL, O-ring	1
43941	SPOUT KIT, Extension	1
43940	SPOUT, Extension	1
53848	CHAIN, Tire	1
50611	TIRE & WHEEL ASSEMBLY (Foam)	1



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## POWER SWEEPER

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Fig. 4 - Rear Squeegee Controls & Parts Group	8-9
Fig. 5 - Main Scrub Brush Lift Control & Mounting	10-11
Fig. 6 - Detergent Distribution System	12-13
Fig. 7 - Side Scrub Brush & Squeegee	14

**scrubber parts**





## ORDERING REPAIR PARTS

To avoid errors or delays in filling parts orders, please furnish all of the following information.

1. Always specify the machine model number and the machine serial number shown on the machine data plate.



2. Give the part number, description, and the quantity needed of each item on the order. Do not order by reference number or the figure number of the illustrated parts.
3. Indented items indicate parts of assemblies. Standard hardware is furnished only when part of a purchased assembly. Please order hardware from a local hardware supplier.
4. If the old part cannot be identified, send it to us with the quantity needed specified on the order.
5. State definite shipping instructions to include the shipping address and/or the billing address if there is a difference. Any claim for loss or damage to a shipment in transit should be filed promptly against the transportation company making the delivery. Shipments will be complete unless the packing list or order acknowledgement indicate items back ordered.

If parts received are suspected to be incorrect or defective, please write, wire, or phone the Tennant Company representative from whom you ordered the part. They will give authorization for return and/or handle replacement shipments when required.

### SI (INTERNATIONAL SYSTEM) UNITS OF MEASURE

Metric equivalents have been included, where applicable, throughout this parts catalog.

### BOLT AND CAP SCREW STRENGTH IDENTIFICATION

Bolts and cap screws required to have high-strength qualities equivalent to SAE Grade 8 are identified throughout this catalog by the description GR 8. Unless identified by this description, all standard bolts and cap screws are SAE Grade 5.

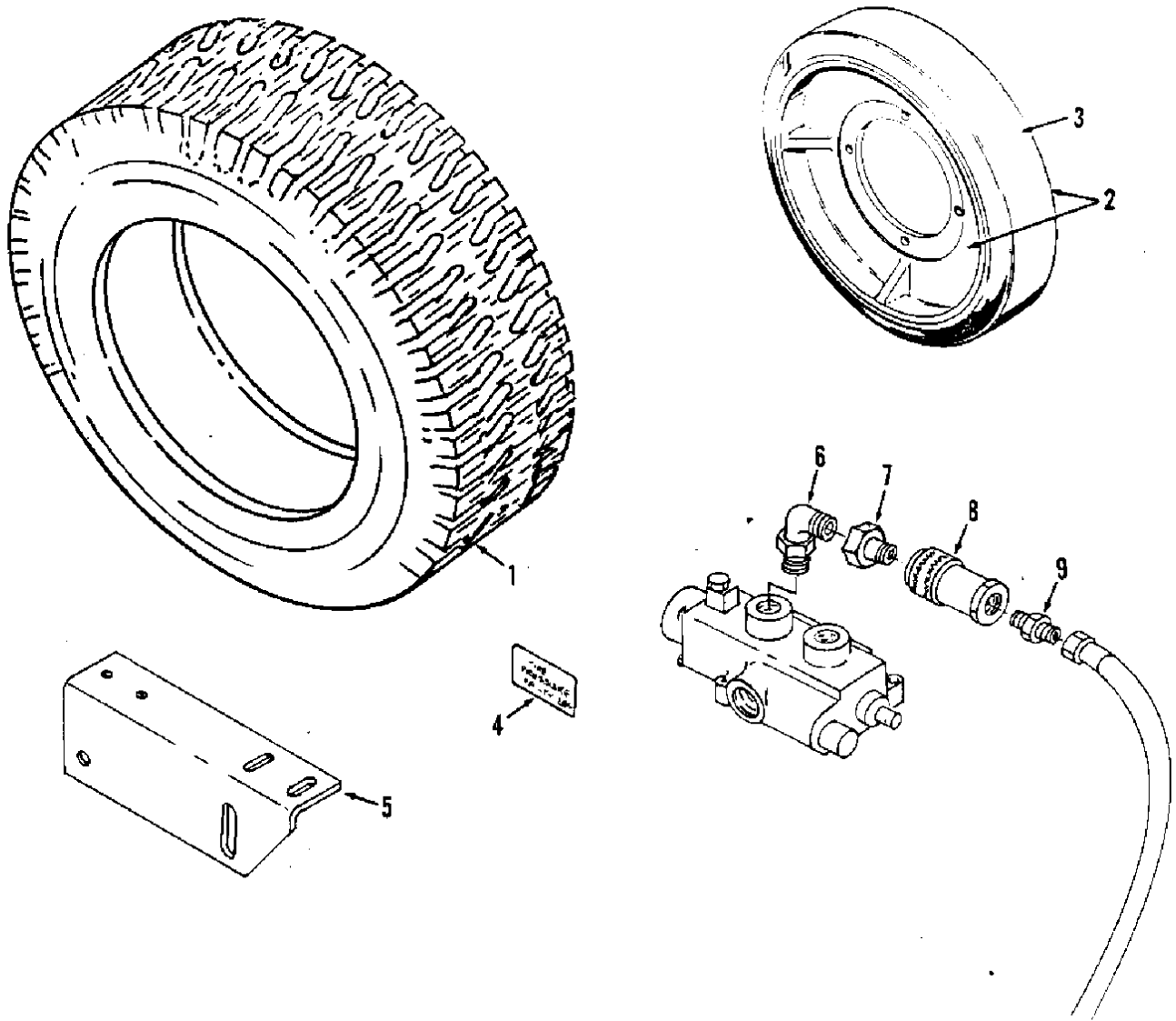
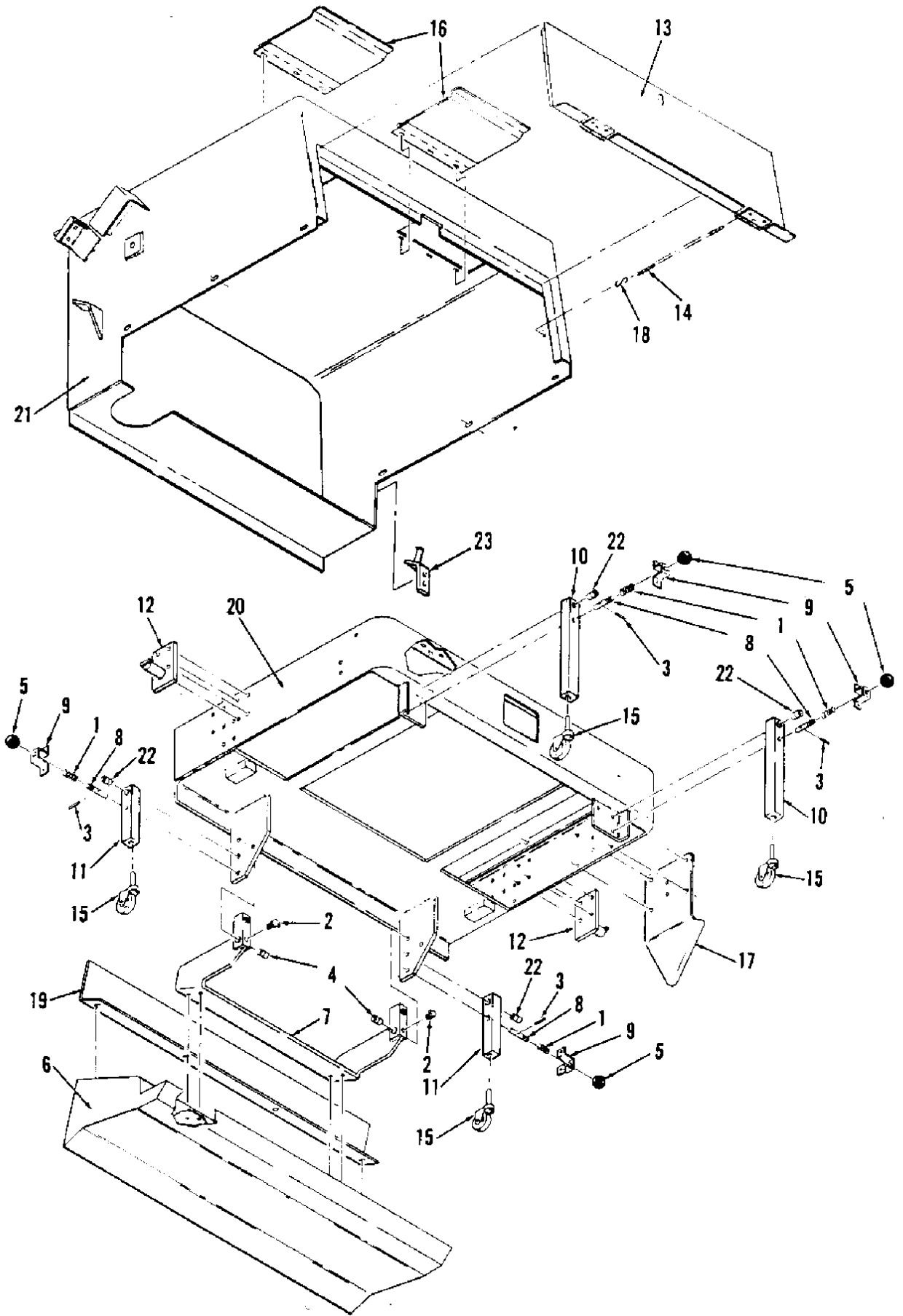


Fig. 1 - PARTS REQUIRED TO EQUIP MACHINE FOR SCRUBBING

Fig. 1 - PARTS REQUIRED TO EQUIP MACHINE FOR SCRUBBING

Ref. No.	TENNANT Part No.	Description	Qty.
	54998	PREP FOR SCRUB KIT	1
1	47525	TIRE	1
2	48076	TIRE AND WHEEL ASSEMBLY	2
3	25197A	TIRE, Solid	1
4	54299	DECAL, Tire pressure	1
5	46093	EXTENSION, Side brush arm	1
6	32385	FITTING, Elbow	1
7	65084-1	COUPLING, Male	1
8	65084-2	COUPLING, Female	1
9	47518	FITTING, Straight	1
	15687	FITTING, Straight	1
	53445	FITTING, Straight	1
	77006	O-RING	1
	33799	HOSE	1
	53083-10	HOSE	1
	44869	FITTING, Straight	1



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FIG. 2 - TANK FRAME, TROUGH, & RELATED PARTS GROUP

## FIG. 2 - TANK FRAME, TROUGH, &amp; RELATED PARTS GROUP

02004

Ref. No.	TENNANT Part No.	Description	Qty.
1	04428A	SPRING	4
2	11048	FITTING, Grease (for 43004)	2
3	20160	PIN, Roll (0.125" x 0.625")	4
4	26065	BUSHING	2
5	26565	KNOB	4
6	43004	PICKUP TROUGH	1
7	43005	TROUGH SUPPORT	1
8	32449	PIN	4
9	43030	BRACKET, Pin	4
10	43614	FRONT LEG	2
11	43615	REAR LEG	2
12	43039	SUPPORT	2
13	43079	ACCESS PANEL	1
	43192	CAM, Pan Adjusting	1
14	43203	CHAIN	1
15	43616	CASTER	4
16	43287	LID	2
17	33811	MOTOR GUARD	1
18	43363	HOOK	1
19	53368	SHIELD, Spray	1
20	53371	BUMPER	1
21	43564	MAIN FRAME	1
22	43609	BUSHING	4
	24892	DATA PLATE	1
23	43249	SUPPORT, L.H.	1

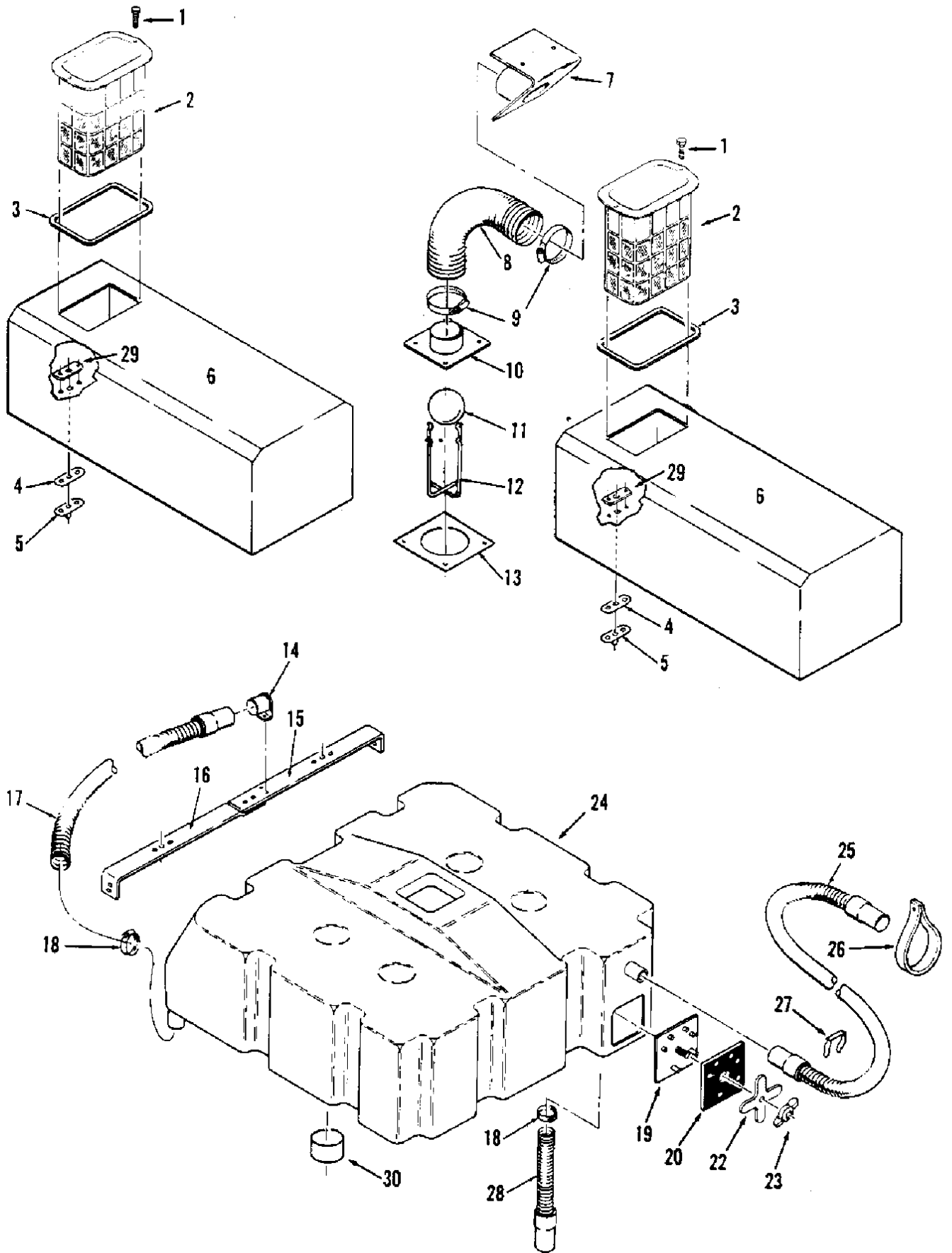


FIG. 3 - PICKUP AND DETERGENT TANKS PARTS GROUP

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Ref. No.	TENNANT PART No.	Description	Qty.
1	43678	SCREW	4
2	43516A	BASKET, Soap	2
3	43382	SEAL, Lid	2
4	43016	GASKET, Hose Outlet	2
5	43057	CONNECTOR, Tank hose	2
6	43677	TANK, Detergent	2
7	43469-1	BRACKET, Flexible hose (incl. #43805 gasket)	1
8	43490	HOSE, Flexible	1
9	43555	CLAMP	2
10	47475	COLLAR, Float gauge	1
11	43170	BALL, Float	1
12	56489	GUIDE, Float ball	1
13	43552	GASKET	1
14	20215	PLUG	1
15	43344-1	BRACKET, Tank mounting, R.H.	1
16	43344-2	BRACKET, Tank mounting, L.H.	1
17	69207	DRAIN HOSE ASSEMBLY	1
18	11531	CLAMP	2
	32690	*COVER ASSEMBLY, Pick-up tank	2
19	32684	PLATE, Sealing	1
20	32683	SEAL, Door cleanout	1
22	32680	LOCK, Cam	1
23	39274	NUT, Wing	1
24	32267	*TANK, Recovery	1
25	43209	VACUUM HOSE ASSEMBLY, Rear	1
	20236	CUFF, Hose	1
	43259	CUFF, Pickup	1
26	47795-1	STRAP, Hose retainer	3
27	22473	CLAMP, Hose	1
28	43207	VACUUM HOSE ASSEMBLY, Bottom	1
	43259	CUFF, Hose	1
	32685	BOLT, Pick-up tank	4
29	43056	FLANGE	2
30	32677	TUBE, Tank locating	2
	54289	BAG, Wrench	1

\*Note: Machines with serial number up to and including 17901 used old-style metal recovery tank 43007B and cover assembly 43519.

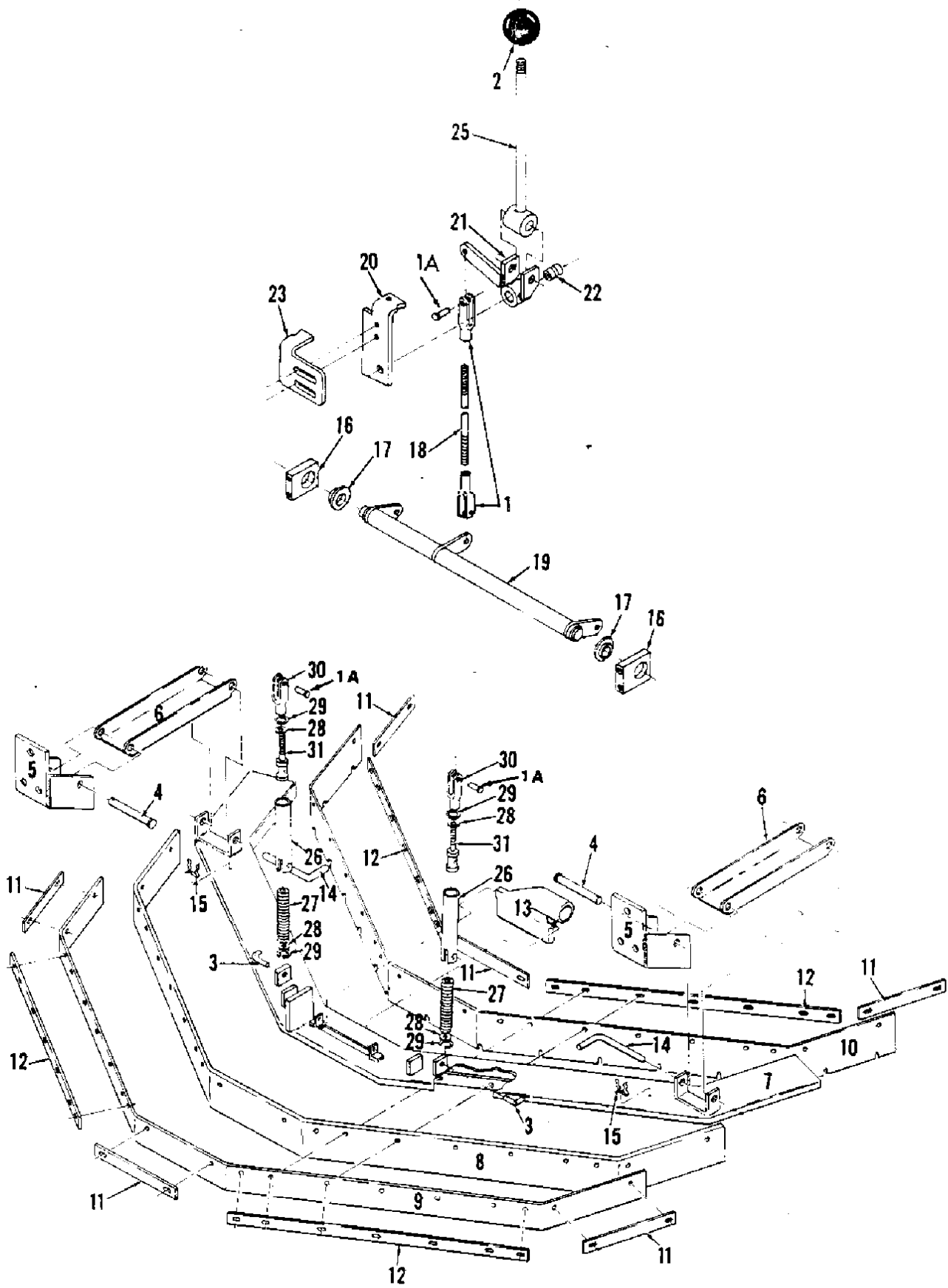


FIG. 4 - REAR SQUEEGEE CONTROLS & PARTS GROUP



Ref. No.	TENNANT Part No.	Description	Qty.
1A	14331	PIN, Clevis	6
1	14330	CLEVIS, Adjusting (0.38" - 24)	2
2	26156	KNOB, Plastic (0.50" - 20 x 1.38")	1
3	43325	PIN	2
	43662	REAR SQUEEGEE SUPPORT ASSEMBLY	2
4	06474A	PIN, Clevis	2
5	43472	SQUEEGEE, Pivot	2
6	46428	LINK	2
	43666	SQUEEGEE LINK ASSEMBLY	1
	44485	REAR SQUEEGEE ASSEMBLY	1
7	46432	SQUEEGEE, Frame	1
8	43323	BLADE, Squeegee	1
9	60014	BACKING	1
10	43322	STRIP	1
11	43316	RETAINER	6
12	43314	RETAINER	4
13	46453	NOZZLE	1
14	43321	PIN	2
15	23446	CLAMP	2
16	46415	SUPPORT	2
17	46417	BUSHING, Flange	2
18	53275	ROD, Connecting	1
19	53279	CROSS SHAFT	1
	53288	LIFT LEVER & SUPPORT ASSEMBLY	1
20	53635	SUPPORT	1
21	43577	LIFT CRANK	1
22	26065	BUSHING, Sleeve	1
23	43579	ADJUSTING STOP	1
25	23304	HANDLE	1
	53297	REAR SQUEEGEE LIFT ROD ASSEMBLY	2
26	43543	TUBE	2
27	43164	SPRING, Compression	2
28	43611	WASHER, Nylon	4
29	46419	RING, Retaining	4
30	14330	CLEVIS, Adjusting	2
31	53283	PISTON & ROD ASSEMBLY	1

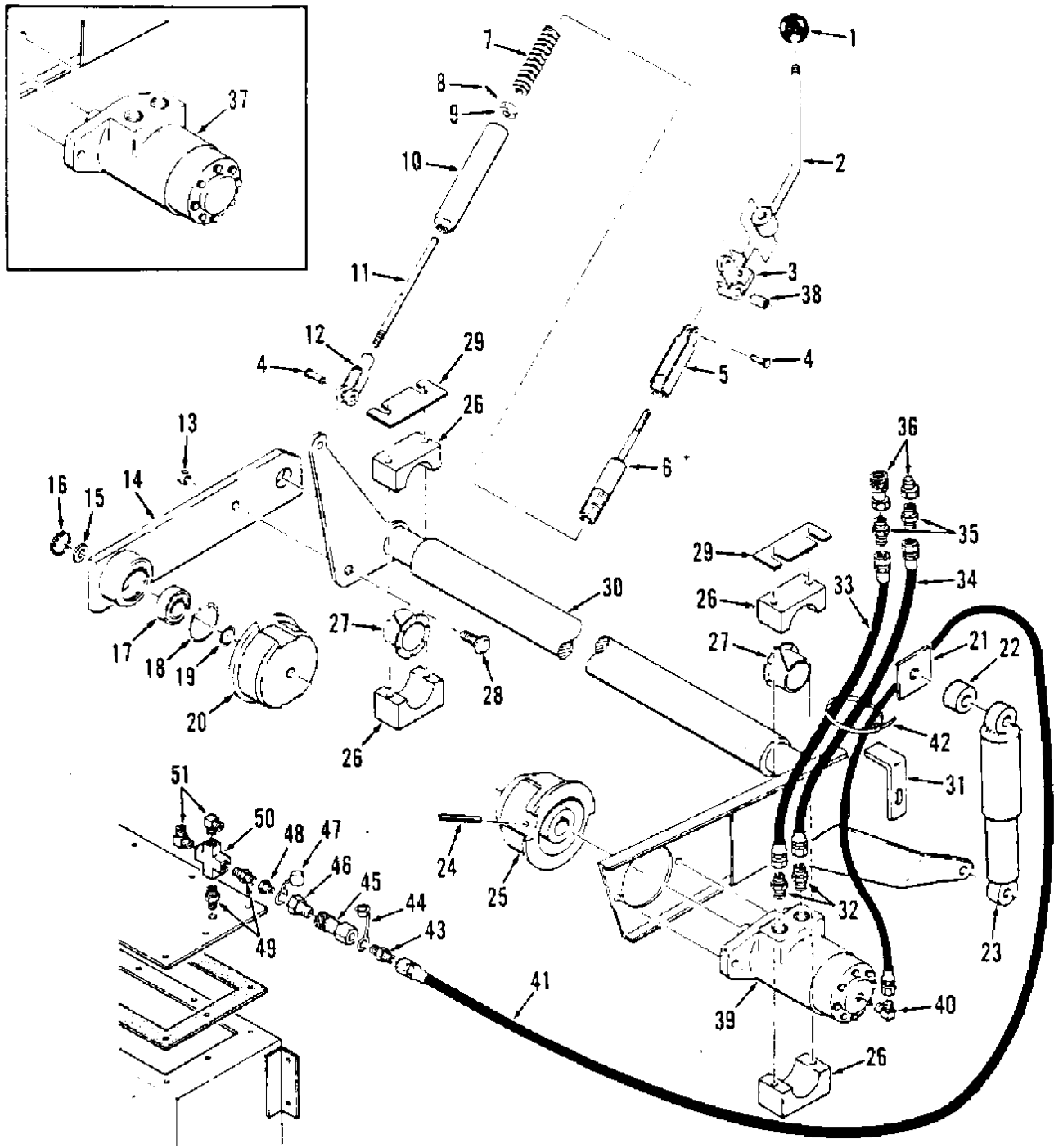


FIG. 5 - MAIN SCRUB BRUSH DRIVE GROUP

FIG. 5 - MAIN SCRUB BRUSH GROUP

Ref. No.	TENNANT Part No.	Description	Qty.
1	26156	KNOB	1
2	50457	HANDLE	1
3	43086	CRANK	1
4	14331	PIN, Clevis	2
5	43502	CLEVIS	1
6	43505	END, Cylinder	1
7	43164	SPRING, Compression	1
8	20021	PIN, Roll	1
9	43116	COLLAR	1
10	43096	CYLINDER, Spring	1
11	43503	ROD, Brush lift	1
12	14330	CLEVIS, Adjustable	1
13	24339	NUT, Wheel	1
14	46644	ARM AND PLUG ASSEMBLY, Brush	1
15	07026	SLEEVE	1
16	47178-13	PLUGBUTTON	1
17	46390	BEARING, Ball	1
18	10464	RING, Retaining, internal	1
19	10459	WASHER	1
20	07037	PLUG, Brush	1
21	43656	STRIP	1
22	43653	ABSORBER, Shock	1
23	43652	ABSORBER, Shock	1
24	11398	PIN, Roll	1
25	24743	PLUG, Brush drive	1
26	46605	BLOCK, Bearing	2
27	46443	BUSHING, Flange	2
28	24338	STUD, Wheel	1
29	46642-2	SHIM	2
30	43491	ARM AND SHAFT, Brush lift	1
31	43457	ANGLE	1
32	46480	FITTING, Straight	2
33	32377	HOSE	1
34	53083-8	HOSE	1
35	47518	FITTING, Straight	2
36	65084	COUPLING, Hydraulic	2
37	5K2811	**MOTOR, Drive (Seal Kit is SK1600)	1
38	26065	BUSHING	1
39	33795	*MOTOR, Drive (Seal Kit is SK1600)	1
40	77097	*ELBOW	1
41	33810	*HOSE	1
42	49263	*TIE, Cable	1
43	06678	*FITTING, Straight	1
44	33797	*CAP, Dust	1
45	34414	*COUPLING, Female	1
46	34413	*COUPLING, Male	1
47	33798	*CAP, Dust	1
48	47810	*FITTING, Reducer	1
49	47566	*FITTING, Straight	2
50	55622	*FITTING, Cross	1
51	55455	*FITTING, Elbow	2

\* Used on machines with serial number 8672 and above.

\*\* For machines with serial number up to and included 8671.

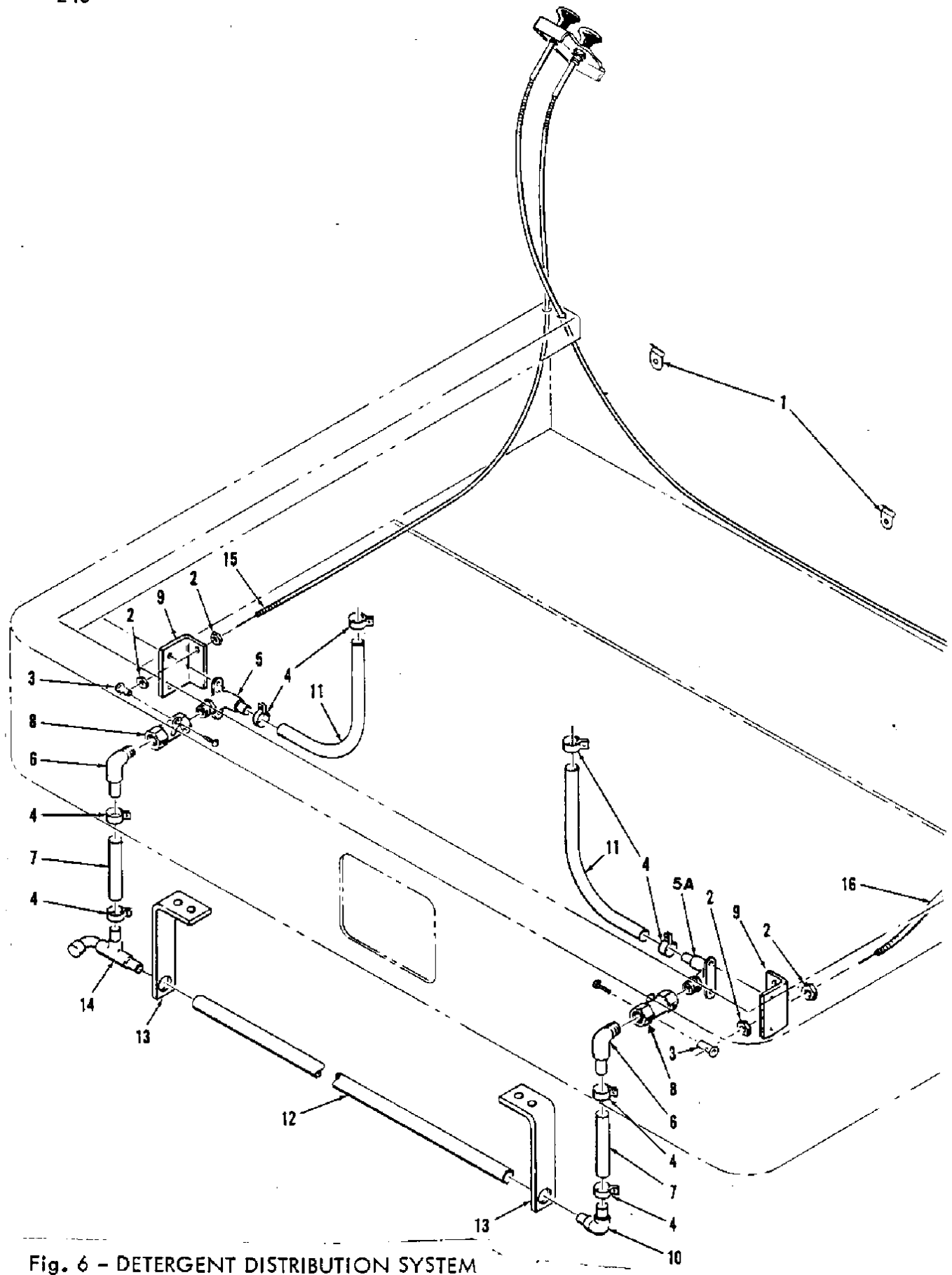


Fig. 6 - DETERGENT DISTRIBUTION SYSTEM

12/82

Ref. No.	TENNANT Part No.	Description	Qty.
1	09092-1	CLIP, Hold down	2
2	20346	NUT, Casing	4
3	43242	SWIVEL	2
4	54333	CLAMP, Hose	8
5	43372-1	ELBOW ASSEMBLY	1
5A	19867	ELBOW ASSEMBLY	1
6	43376	ELBOW ASSEMBLY	2
7	43377	HOSE, Side brush	2
8	43379	VALVE	2
9	43591	SUPPORT, Spacer, valve	2
10	43411	ELBOW ASSEMBLY	1
11	43413	HOSE, Tank outlet	2
12	43506	TUBE, Spreader	1
13	43507	HANGER, Spreader tube	2
14	43539	WATER DIVIDER	1
15	43557A	CONTROL CABLE	1
16	43558A	CONTROL CABLE	1
	26683	CLAMP, Cable	2
	43560	CLAMP, Cable	1

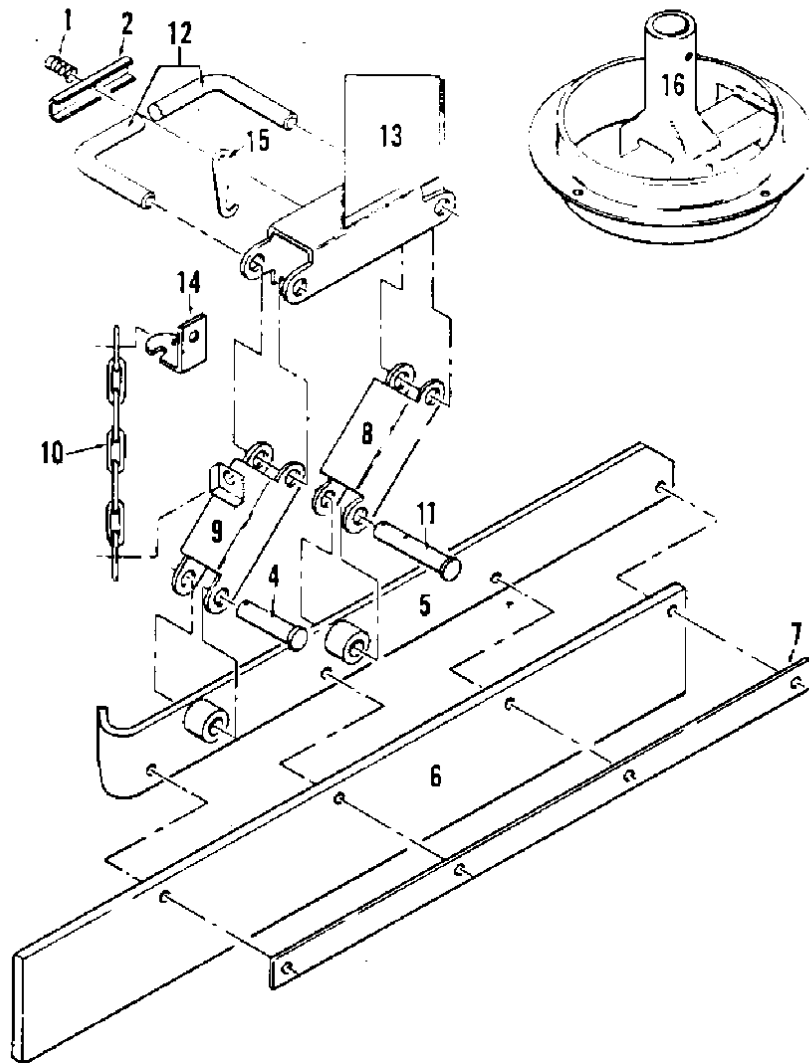


Fig. 7 - SIDE SCRUB BRUSH & SQUEEGEE

Ref. No.	TENNANT Part No.	Description	Qty.
1	04428A	SPRING	1
2	43204	CHANNEL	1
	43667	SIDE BRUSH SQUEEGEE ASSEMBLY	1
4	43290	PIN, Clevis (.50" x 1.75")	1
5	43291	SQUEEGEE BACK	1
6	60013	BLADE, Squeegee	1
7	43294	RETAINER	1
8	43295	LINK	1
9	43317	LINK	1
10	43500	CHAIN, Side brush squeegee lift	1
11	43553	PIN, Clevis	1
12	43299	PIN	2
13	43497	SUPPORT, Squeegee	1
14	43499	CLIP	1
15	43549	CATCH, Squeegee	1
16	43554	SIDE BRUSH DRIVE ASSEMBLY	1
	43192	CAM, Pan locking	1

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# POWER SWEEPER

## CONTENTS

Ordering Repair Parts	1
LPG Components	2

**lpg parts**

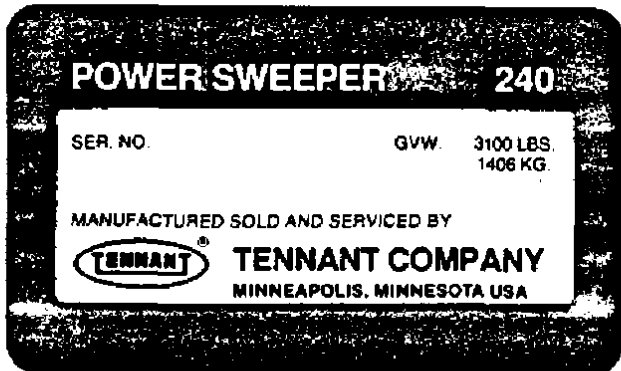




## ORDERING REPAIR PARTS

To avoid errors or delays in filling parts orders, please furnish all of the following information.

1. Always specify the machine model number and the machine serial number shown on the machine data plate.



2. Give the part number, description, and the quantity needed of each item on the order. Do not order by reference number or the figure number of the illustrated parts.
3. Indented items Indicate parts of assemblies. Standard hardware is furnished only when part of a purchased assembly. Please order hardware from a local hardware supplier.
4. If the old part cannot be identified, send it to us with the quantity needed specified on the order.
5. State definite shipping instructions to include the shipping address and/or the billing address if there is a difference. Any claim for loss or damage to a shipment in transit should be filed promptly against the transportation company making the delivery. Shipments will be complete unless the packing list or order acknowledgement indicate items back ordered.

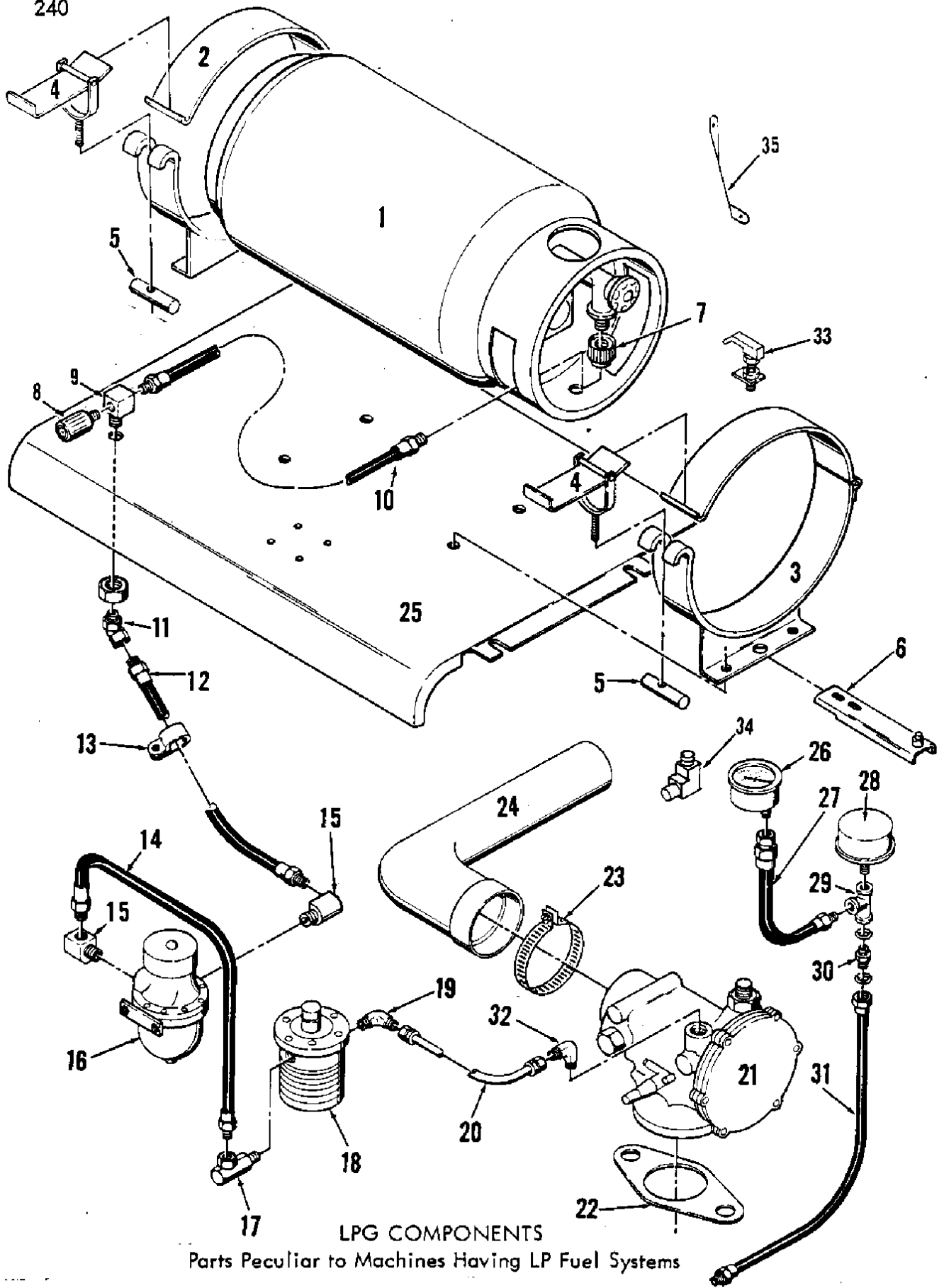
If parts received are suspected to be incorrect or defective, please write, wire, or phone the Tennant Company representative from whom you ordered the part. They will give authorization for return and/or handle replacement shipments when required.

### SI (INTERNATIONAL SYSTEM) UNITS OF MEASURE

Metric equivalents have been included, where applicable, throughout this parts catalog.

### BOLT AND CAP SCREW STRENGTH IDENTIFICATION

Bolts and cap screws required to have high-strength qualities equivalent to SAE Grade 8 are identified throughout this catalog by the description GR 8. Unless identified by this description, all standard bolts and cap screws are SAE Grade 5.



LPG COMPONENTS  
 Parts Peculiar to Machines Having LP Fuel Systems

(These parts are either in place of or in addition to the parts listed in the standard parts section)

MODEL 240 LPG COMPONENTS

01855

Ref. No.	TENNANT Part No.	Description	Qty.
1	24928	TANK, LPG	1
	53400	MOUNT, LPG tank	1
2	32317	STRAP, Tank, R.H.	1
3	32318	STRAP, Tank, L.H.	1
4	53400-1	LATCH	2
5	53400-4	LUG, Adjustable	2
6	32319	PIN, Locating	1
7	26496	COUPLING	1
8	24047	VALVE, Relief, pressure, LP	1
9	54216	TEE	1
10	22308-3	HOSE	1
11	23301	ELBOW, 45°	1
12	47395	HOSE	1
13	06777	CLIP	1
14	22308-4	HOSE	1
15	27048	ELBOW	2
16	53395-2	FILTER-FUELOCK (Repair Kit SK 1444)	1
17	11442-1	ELBOW	1
18	A271486 (Kohler)	VAPORIZER (Repair kit J & S R1128)	1
19	X447-9 (Kohler)	ELBOW	1
20	48616	HOSE	1
21	A277321 (Kohler)	CARBURETOR, LPG	1
	A277896 (Kohler)	REPAIR KIT, Carburetor	1
22	272184 (Kohler)	GASKET	1
23	54333	CLAMP	1
24	54129	HOSE, Air cleaner	1
25	*53943A	HOOD ASSEMBLY, Engine	1
26	47436	GAUGE, Oil pressure	1
27	53530	HOSE, Hydraulic	1
28	51805	SWITCH, Safety, oil pressure	1
29	22309	TEE	1
30	22383	CONNECTOR (use elbow 52915 for hi-dump)	1
31	32552	HOSE ASSEMBLY	1
	**53498A-1	ENGINE ASSEMBLY, LPG	1
32	54240	ELBOW	1
33	51375	LATCH, Hood	1
	50565	DIODE ASSEMBLY	1
34	47388	ELBOW, Air cleaner base	1
35	54157	BRACE, Hood	1

\*\* Complete Model Kohler K532S LP engine #53498A-1 consists of:  
 #53498A-1 Basic Engine (includes LP carburetor, LP vaporizer, starter #A-277599 and other parts as shown in Engine Parts Manual) plus starter solenoid #47356.  
 When ordering engine or parts, please give Model No. K532S and specification #53125A.

\*Previous cover without latch was #53943. To replace with new cover, order kit #SK1571.



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**POWER SWEEPER****CONTENTS** **PAGE**

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Fig. 3 - Vickers Accessory Pump	7
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Fig. 6 - Wheel Drive Motors	12
Fig. 7 - Main Brush Motor Breakdown	14
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Fig. 9 - Accessory High Speed Propelling Motor	16

**ATTENTION!**

Production requirements may occasionally dictate that hydraulic components made by other manufacturers must be used. Please check for manufacturer's name and model number before ordering parts or seal kits.

The motors, pumps and valves covered here have been modified for use on TENNANT Company machines. Repair parts should be ordered only from the parts list provided in this section.

**hydraulic components**



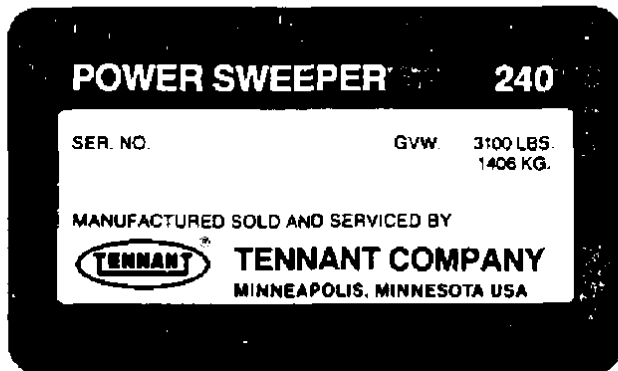
## ORDERING REPAIR PARTS

The components used in this machine have been carefully selected for performance and safety. Use only Tennant Company supplied or equivalent parts.

To receive prompt service in filling your parts orders, please direct all parts orders with Tennant Company part numbers to the Tennant Company, and all parts orders with vendor part numbers to the local supplier of the respective vendor.

To avoid errors or delays in filling your parts orders, please furnish all of the following information.

1. Refer to Tennant Company data plate. Always specify the machine model number and the machine serial number shown on the machine data plate.



2. Refer to the vendor part data plate. Always specify the model number and serial number shown on the data plate.
3. Give the part number, description, and the quantity needed of each item on the order. Do not order by reference number or the figure number of the illustrated parts.
4. Indented items indicate parts of assemblies. Standard hardware is furnished only when part of a purchased assembly. Please order hardware from a local hardware supplier.
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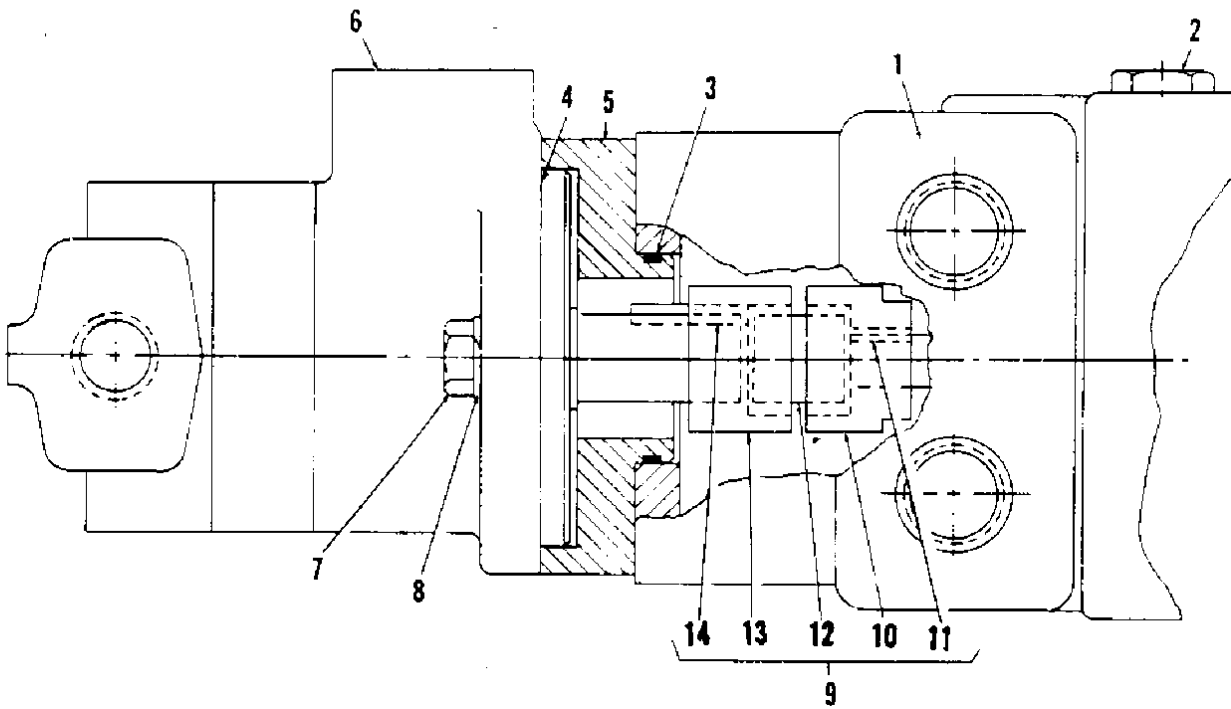


Fig. 1 - COMPLETE TANDEM PUMP



PARTS LIST FOR FIG. 1 - #50526 COMPLETE TANDEM PUMP \*(Standard Machine)  
 # 50551 COMPLETE TANDEM PUMP (Hi-Dump Machine)

NOTE: After serial #5302, complete Tandem Pump #47898 replaced #69076A.  
 Pump Assembly #50526 now replaces #47898 (Std. Machines) & #50552 replaces  
 #37042 (Hi-Dump Machines). Order SK1957 to replace #50526 - 33292 replaces  
 Hi-Dump Pump Assemblies.

Ref. No.	Seal Kit No.	TENNANT Part No.	Description	Qty.
1	SK1769	+ 47888 37037	PROPELLING PUMP ASSEMBLY (Standard) PROPELLING PUMP ASSEMBLY (Hi-Dump) (See next page for Parts breakdown)	1 1
2		46482	PLUG, Secondary case drain	1
3		69186	O-RING	1
4		23158	GASKET	1
5		69183	ADAPTER (Vickers pump to Oilgear pump)	1
6	SK1739	69181	ACCESSORY VANE PUMP - VICKERS (See separate page for parts breakdown)	1
7			SCREW, Hex Cap (0.38" - 16 x 1.88") (grade 5, plated, torque to 29 to 31 ft lb)	2
8			WASHER, Spring lock (0.38")	2
9		69157-1	COUPLING ASSEMBLY, Consists of:	1
10		69180	COUPLING, Half, Oilgear end	1
11		69182-2	KEY	1
12		69182-1	KEY, Square	1
13		69184	COUPLING, Half, Vickers end	1
14		00912	KEY	1

+ NOTE: After serial #5302, Propelling Pump #47888 replaced #69189. Pump #50500 now replaces #47888 (Std. Machines). Pump #50550 now replaces #37037 (Hi-Dump machines.) Order SK1955 to replace Pump #50500 (Std.) & SK2012 to replace Hi-Dumps.

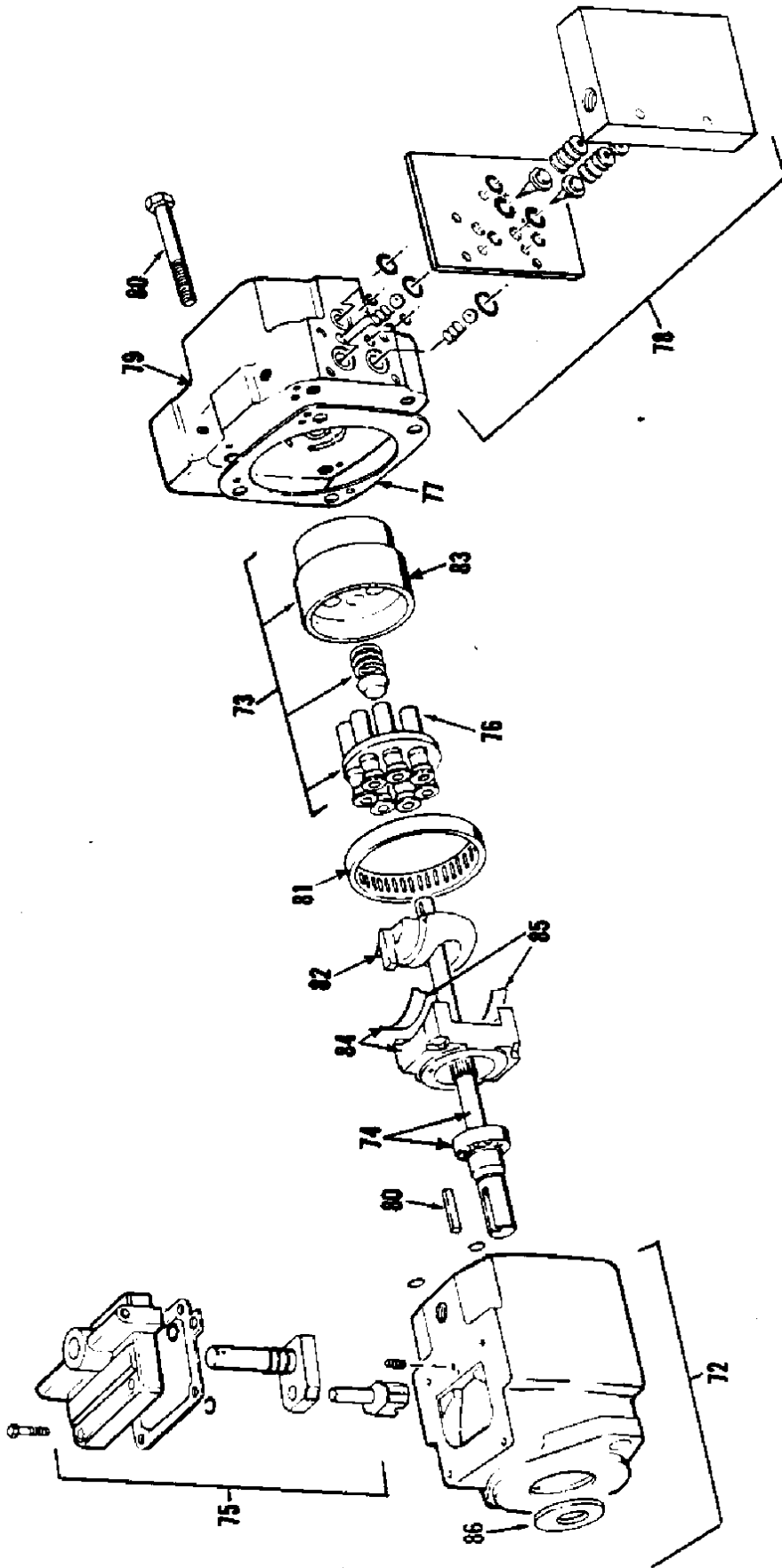


Fig. 2

OILGEAR PROPELLING HYDRAULIC PUMP

FIG. 2 - PARTS LIST FOR OILGEAR HYDRAULIC PUMPS

(Note: Replacement parts are available only in repair kits listed below)

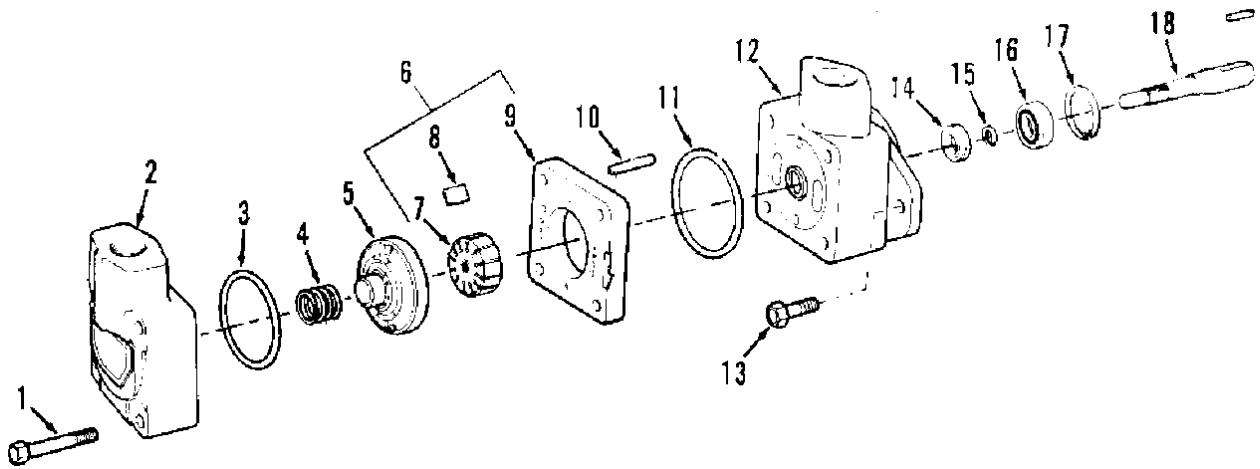
Fig. 2 Ref. No.	Repair Kit TENNANT No.	Description	Qty.
72	SK1989 for 47888 69189 & 37037  SK2171 for 50500 & 50550	HOUSING & PINS KIT, includes: RING, Retaining SEAL, Shaft PIN, Dowel (.188" x .75" long) PIN, Spring (.188" x .50" long) HOUSING, Pump	1 1 1 2 1
73	SK1678	ROTATING GROUP KIT, includes RETAINER, Shoe BALL RETAINER, Spring CYLINDER BARREL & SLEEVE ASS'Y. PISTON & SHOE ASSEMBLY	1 1 1 1 1 7
74	SK1992 for 69189  SK1991 for 37037, 47888, 50550, & 50500	SHAFT & BEARING KIT, includes: BEARING SHAFT RING, Retaining	1 1 1
75	SK1993 for 47888, 69189 & 37037  SK2187 for 50500 & 50550	CONTROL KIT, includes: O-RING PLUG BLOCK, Control GASKET CLEVIS & PIN ASSEMBLY ARM & PINTLE ASSEMBLY	1 2 2 1 1 1 1
76	SK1994	SET OF PISTONS KIT, includes: PISTON & SHOE ASSEMBLY	1 7
77	SK1769	GASKET & SEAL KIT (incl. seals & gaskets)	1
78	SK1995 for 69189  SK1990 for 37037 & 50550  SK2040 for 47888 & 50500	HYDRASTATIC MODULE KIT, includes: POPPET PLATE, Seal PLUNGER SPRING BLOCK CAP & BUSHING ASSEMBLY BALL O-RING GASKET	1 2 1 1 5 1 1 2 8 1
79	SK1996 for 50550, 47888, 37037 & 50500 SK2042 for 69189 & 69188	VALVE PLATE ASSEMBLY KIT, includes: PLUG BEARING PLATE PLUG O-RING	1 3 1 1 2 2

(Continued on next page)

**PARTS LIST FOR OILGEAR HYDRAULIC PUMPS (Continued)**  
 (Note: Replacement parts are available only in repair kits listed below)

Ref. No.	Repair Kit TENNANT No.	Description	Qty.
80	SK1997	SCREWS, SHAFT KEY, NAME TAG KIT	1
81	SK1998	ROTATING GROUP BEARING KIT, inc: BEARING, Roller RING, Retaining	1 1 1
82	SK2188 for 50500 & 50550 SK1999 for 47888, 37037 & 69189	SWASH BLOCK KIT	1
83	SK2000	BARREL & SLEEVE KIT, includes: BARREL, Cylinder BEARING, Sleeve	1 1 1
84	SK2001 for 47888, 69189 & 37037 SK2189 for 50500 & 50550	SADDLE KIT, includes: BEARING, Saddle SADDLE	1 2 1
85	SK2002	SADDLE BEARING KIT, includes: BEARING, Saddle	1 2
86	SK1656	SHAFT SEAL KIT	1

NOTE: Gasket & Seal Kit No. SK1769 includes all seals & instructions.  
 All repair kits include instructions.



Tighten to  
40 ± 5 Ft lbs (54 ± 7 Nm)

Fig. 3 - PARTS LIST FOR #69181 VICKERS MODEL V-10  
ACCESSORY HYDRAULIC PUMP  
Part of Complete Tandem Pump #50526

Ref. No.	Vickers Part No.	TENNANT Part No.	Description	Qty.
1	1278		SCREW	4
2	372865		COVER	1
3	*		O-Ring	1
4	345262		SPRING	1
5	374343		PRESSURE PLATE ASSEMBLY	1
6		74943	CARTRIDGE KIT (includes ref. no.'s 7, 8, & 9)	1
7	351247		ROTOR	1
8		74946	VANE SET (12 vanes)	1
9	317677		RING	1
10	39640		PIN	2
11	*		O-Ring	1
12	317668		BODY	1
13	1273		SCREW	2
14	*		SEAL, Shaft	1
15	106641		RING, Snap	1
16	148423		BEARING	1
17	87541		RING, Snap	1
18		74942	SHAFT	1

\* Indicates parts of TENNANT Seal Kit SK1739

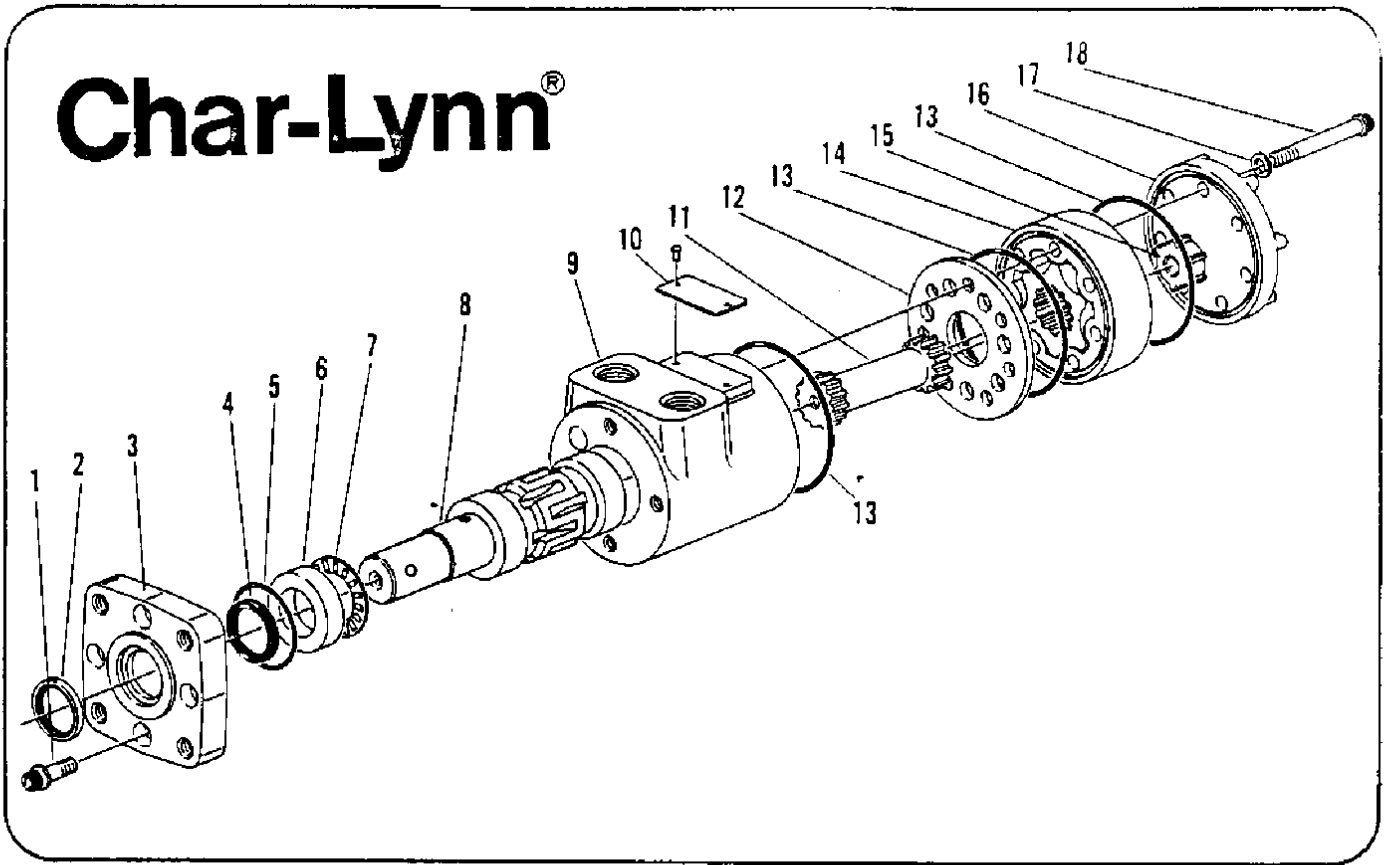
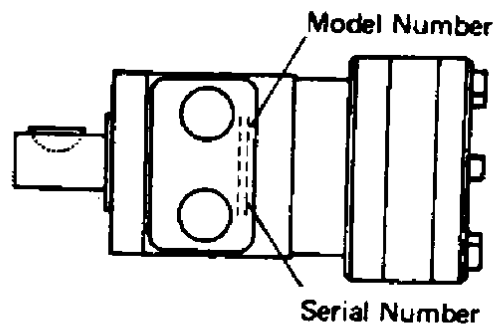


FIG. 4 -  
EXPLODED VIEW OF CHAR-LYNN HYDRAULIC MOTORS (-007 SERIES)  
USED FOR SIDE BRUSH, MAIN BRUSH AND MAIN SCRUB BRUSH.



**EAT•N** Fluid Power  
Products

FIG. 4 -  
PARTS LISTS FOR CHAR-LYNN HYDRAULIC MOTORS (-007 Series)  
USED ON SIDE BRUSH, MAIN BRUSH & MAIN SCRUB BRUSH

Ref. No.	Obsolete Main Brush Char-Lynn design series-007	Obsolete Main Scrub Brush Char-Lynn design series-007	Side Brush Char-Lynn design series-007	Description	Qty.
	TENNANT 47650	TENNANT 47650-6	TENNANT 47650-12		
1	5777	5777	5777	SCREW, Cap	4
2	*	*	*	SEAL, Dust, shaft	1
3	7464	7620	7464	FLANGE, Mounting	1
4	*	*	*	SEAL, Shaft	1
5	*	*	*	O-RING	1
6	7462	7462	7462	RACE, Thrust bearing	1
7	7537	7537	7537	BEARING, Thrust, needle	1
8	7360-7	7360-5	7360-13	SHAFT, Output	1
9	7359-3	7359-1	7359-1	HOUSING	1
10	9029-1	9029-1	9029-1	NAMEPLATE	1
11	602	602	616	DRIVE	1
12	7358	7358	7358	PLATE, Spacer	1
13	*	*	*	O-RING	3
14	7357-2	7357-2	7357-6	GEROTOR ASSEMBLY (includes ring & star)	1
15	none	none	6901-5	SPACER	1
16	7461	7461	7461	CAP, End	1
17	6049	6049	6049	WASHER, Seal	7
18	5389-2	5389-2	5389-6	SCREW, Cap	7

\* Indicates parts of Seal Kit No. SK1600, which includes instructions.

**ATTENTION!** Before ordering parts, check motor nameplate to determine which motor model was used on your machine. Remember Ross and Char-Lynn hydraulic motors are used as alternates.

**NOTE** All component parts numbers are Char-Lynn part numbers.

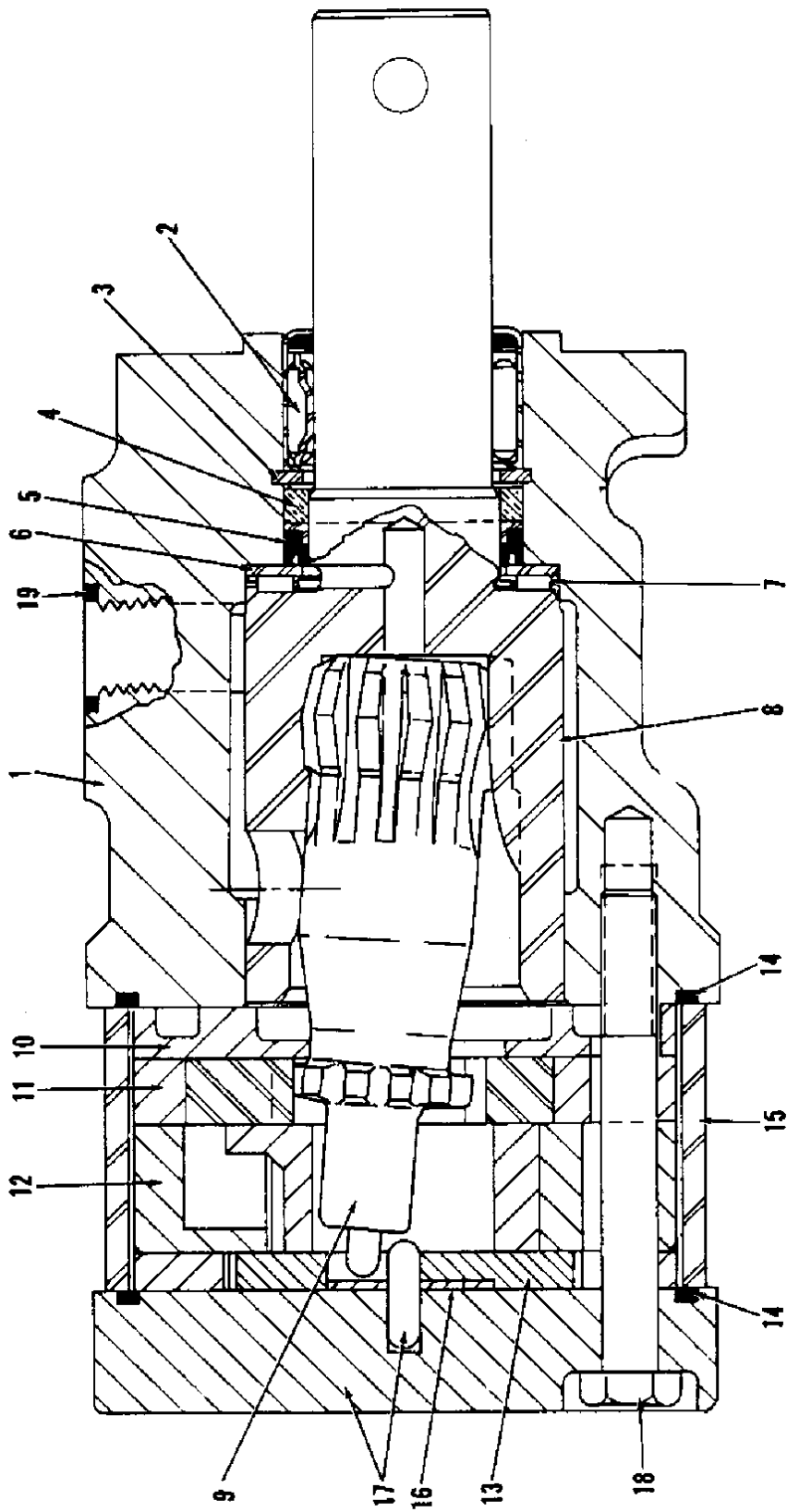


FIG. 5 -  
ROSS MOTOR #47514 (Main brush) and #47542 (Side brush)



FIG. 5 -  
PARTS LISTS FOR

ROSS MOTOR #47514 (Main brush) and #47542 (Side brush)

Ref. No.	OBSOLETE		Description	Qty.
	TENNANT #47514 Main Brush Motor Ross Part No.'s	TENNANT #47542 Side Brush Motor Ross Part No.'s		
1	MAC012007	MAC012008	HOUSING	1
2	065503	065503	BEARING, Needle	1
3	401369	401369	RING, Retaining	1
4	*	*	SPACER	1
5	*	*	SEAL, Shaft	1
6	400108	400108	WASHER, Thrust	1
7	066980	066980	BEARING, Thrust	1
8	091430	091430	SHAFT, Coupling	1
9	+37388	MAC163000A1	DRIVE LINK ASSEMBLY	1
10	477255	477255	SPACER	1
11	+37389	+37390	ROTOR SET	1
12	+37385	+37386	MANIFOLD	1
13	+37384	+37384	COMMUTATOR ASSEMBLY	1
14	*	*	O-RING	2
15	099061	099059	RETAINER, Seal	1
16	028395	028395	WASHER	1
17	402364X1	402364X1	END COVER ASSEMBLY	1
18	021306	021307	SCREW	7
19	032200-10	-	O-RING, Port	2

+ Tennant Company Part No.

\* Indicates parts of Seal Kit No. SK1694, which includes instructions

**ATTENTION!** Before ordering parts, check motor model number stamped on motor to determine which motor is used.

**NOTE** All reference part numbers are Ross part numbers.

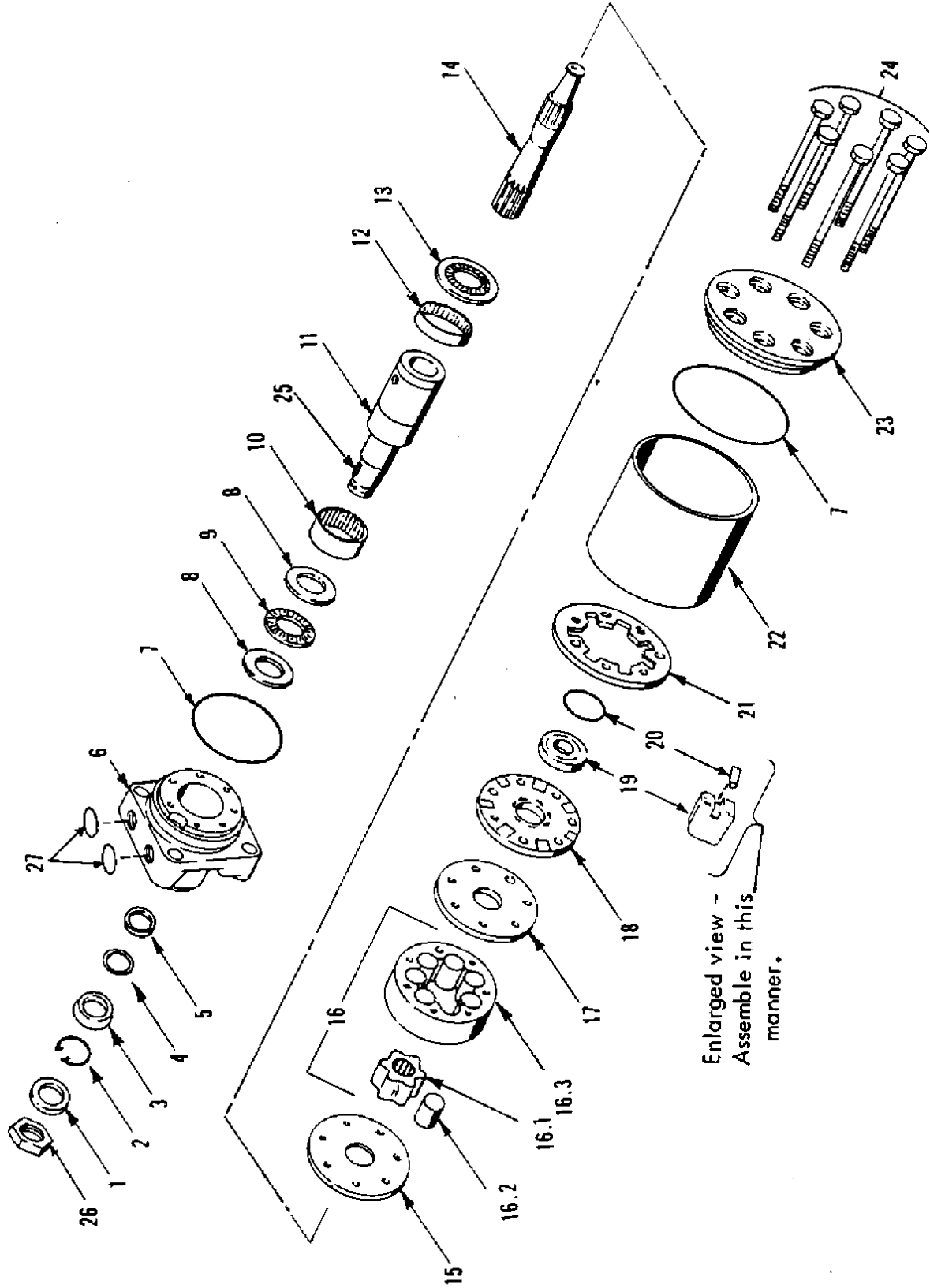


FIG. 6 - ROSS WHEEL DRIVE MOTOR

FIG. 6 - PARTS LIST FOR ROSS REAR WHEEL HYDRAULIC DRIVE MOTORS  
TENNANT COMPANY PART NO. 53032 (Standard Machine)  
TENNANT COMPANY PART NO. 37041 (Hi-Dump Machine)

Ref. No.	Ross Part No. Motor No. 53032	Ross Part No. Motor No. 37041	Description	Qty.
1	*	*	SEAL, Dirt	1
2	*	*	RING, Retaining	1
3	*	*	SPACER, Seal	1
4	*	*	WASHER, Backup	1
5	*	*	SEAL, Shaft	1
6	+37373	+37373	HOUSING ASSEMBLY (incl. 8, 9, 10, & 12)	1
7	*	*	O-Ring (body)	2
8	400103	400103	WASHER, Thrust	2
9	067029	067029	BEARING, Thrust	1
10	070502	070502	BEARING, Needle	1
11	091404	091442	SHAFT	1
12	070501	070501	BEARING, Needle	1
13	067031	067031	BEARING, Thrust	1
14	+37381	MAE243000	LINK, Drive	1
15	477237	477259	PLATE, Wear	1
16	+37382	+37906	ROTOR ASSEMBLY (includes 16.1, 16.2, 16.3)	1
16.1	NSS	NSS	ROTOR	1
16.2	NSS	NSS	VANE	7
16.3	NSS	NSS	STATOR & RING ASSEMBLY	1
17	477238	477260	PLATE, Manifold	1
18	MAB015001	MAE 015000	MANIFOLD	1
19	NS**	NS**	COMMUTATOR	1
20	*	*	SEAL, Commutator	1
21	NS**	NS**	RING, Commutator	1
22	099024	099066	SLEEVE	1
23	+47734	MAE016000A1	END COVER ASSEMBLY	1
24	021272	021273	SCREW	7
25	039027	039027	KEY, Shaft	1
26	025113	025113	NUT, Self-locking	1
27	+54986		O-RING, Port	2

\*Indicate seal kit parts. 53032 motor seal kit is SK1140A. 37041 motor seal kit is SK1951. Seal kits include instructions.

\*\*Matched set: order part #MAB018000S} commutator assembly.

NSS: indicates part not available separately.

+ Tennant Company Part No.

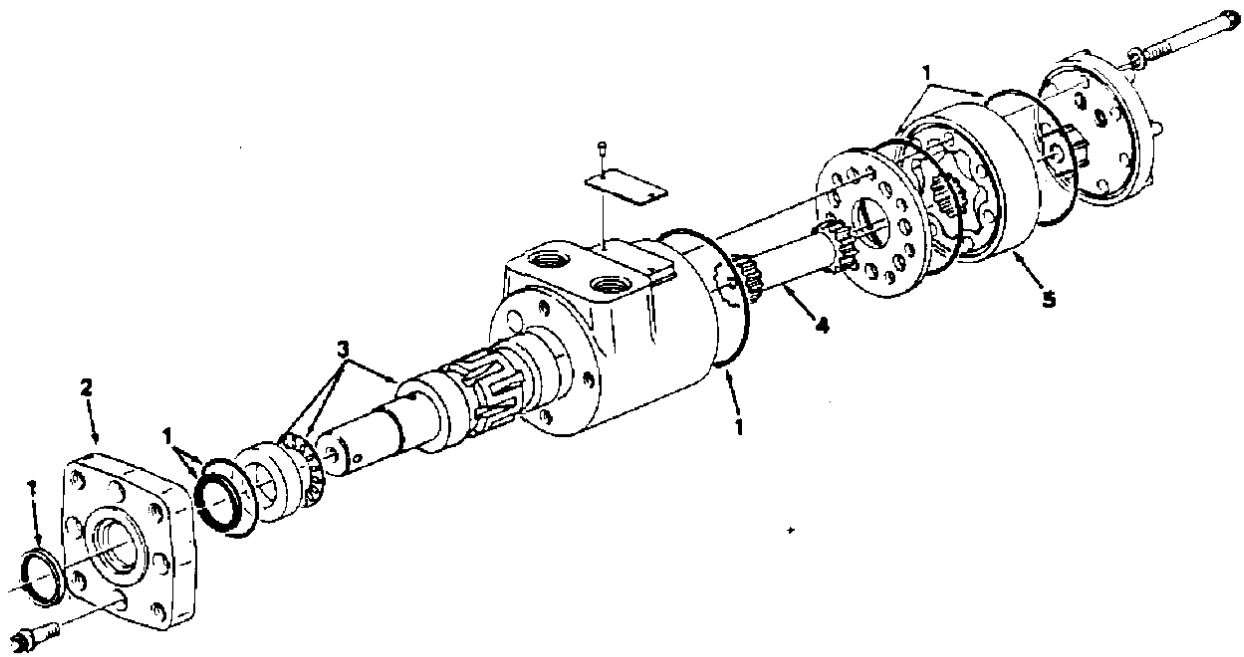


FIG. 7 - MAIN BRUSH MOTOR BREAKDOWN

01656

Ref. No.	TENNANT Part No.	Description	Qty.
	* 34423	MOTOR, Hydraulic	1
1	47649	SEAL KIT	1
2	34174	FLANGE, Mounting	1
3	34175	SHAFT ASSEMBLY, Output	1
4	34176	DRIVE	1
5	34177	GEROTOR SET	1

\* Used on machines with serial number 8672 and above

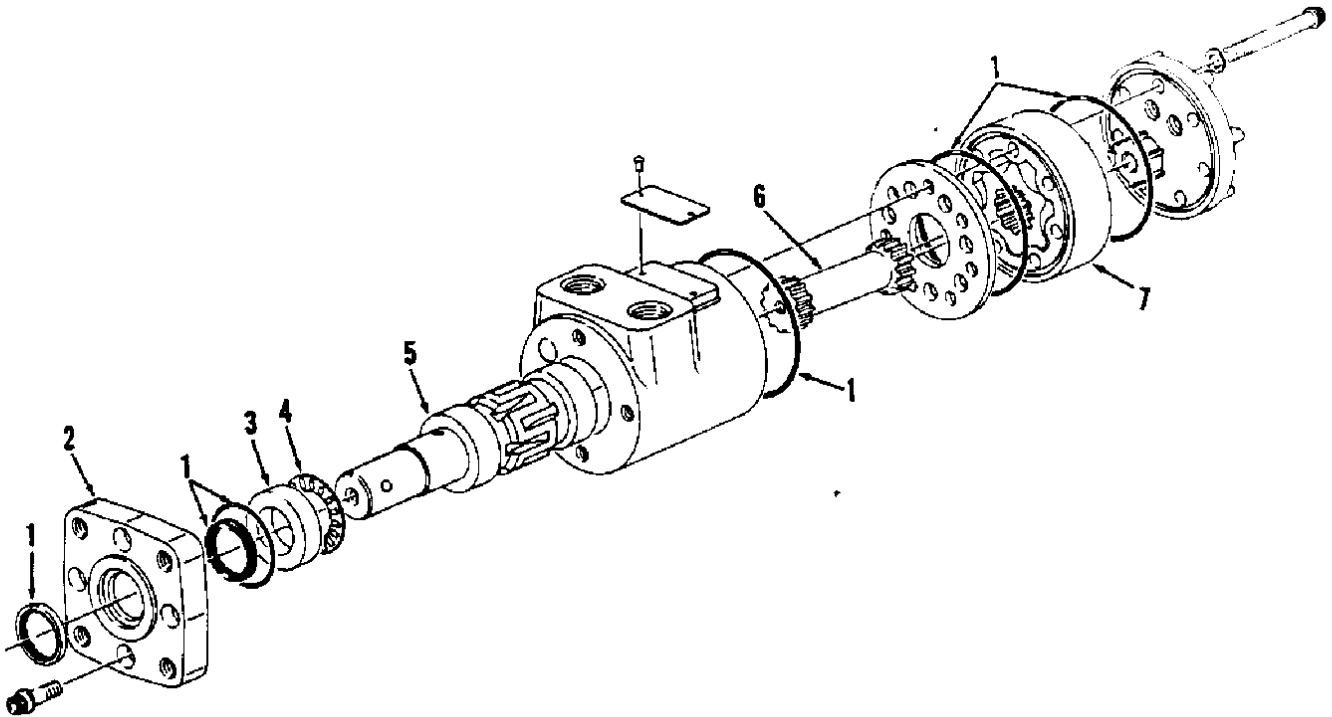
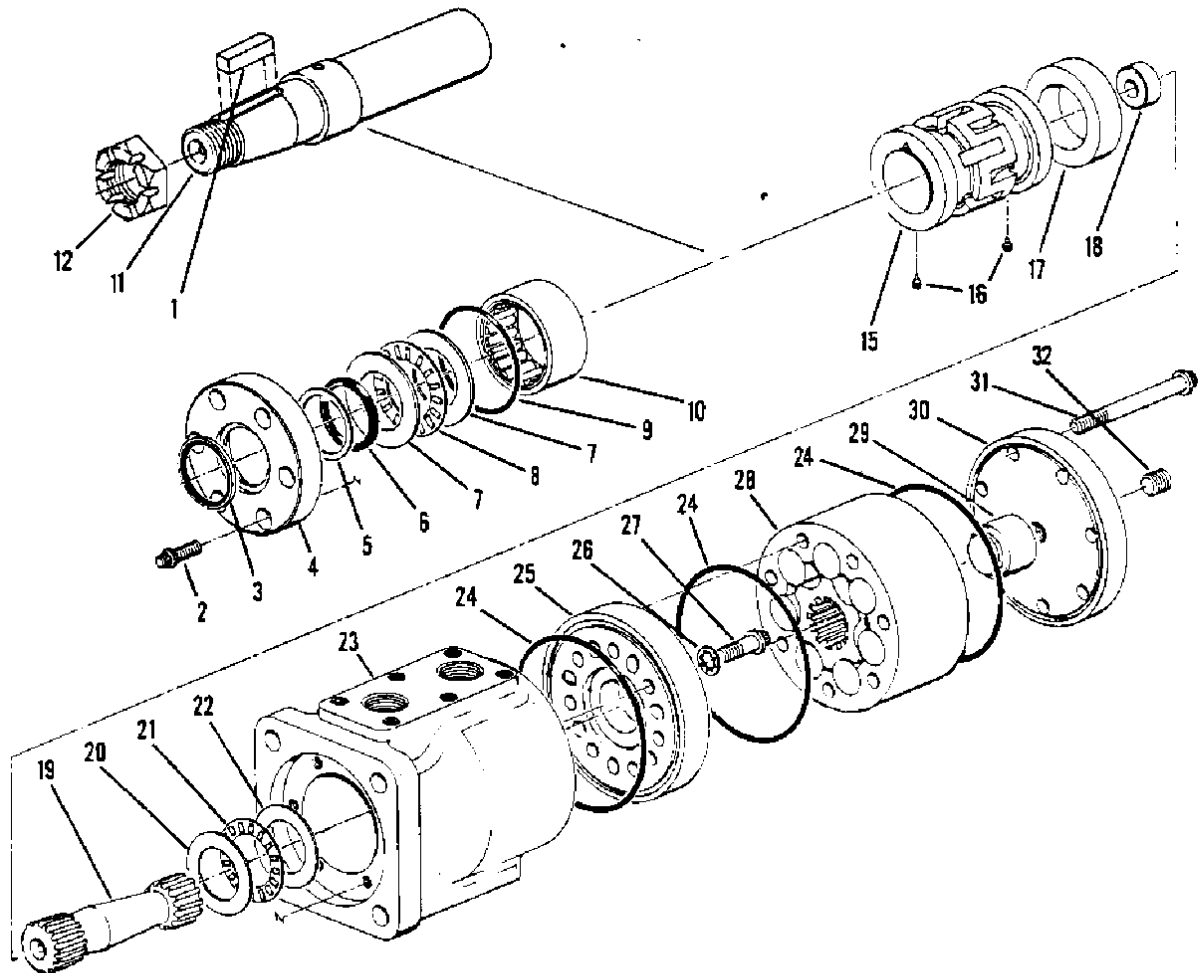


FIG. 8 - MAIN SCRUB BRUSH MOTOR BREAKDOWN

Ref. No.	Char-Lynn Part No.	Description	Qty.
	*33795	MOTOR, Hydraulic, Scrub	1
1	*47649	SEAL KIT	1
2	7620	FLANGE, Mounting	1
3	7462	RACE, Thrust bearing	1
4	7537	BEARING, Thrust, needle	1
5	7360-5	SHAFT, Output	1
6	602	DRIVE	1
7	7357-2	GEROTOR ASSEMBLY	1

\* Tennant Company part number.  
Used on machines with serial number 8671 and above.

FIG. 9 -  
ACCESSORY HIGH-SPEED  
PROPELLING MOTOR



**Char-Lynn** **EAT•N** Fluid Power  
Products

FIG. 9 - ACCESSORY HIGH - SPEED PROPELLING MOTOR #53892-2  
 Char-Lynn Design Series -001  
 (Former Model No. MS03010A03WA)

Ref. No.	Char-Lynn Part No.	Description	Qty.
1	14162	KEY	1
2	21045-1	SCREW	6
3	*	SEAL, Dust	1
4	6136	RETAINER, Seal & bearing	1
5	*	WASHER, Back-up	1
6	*	SEAL, Shaft	1
7	9001-7	RACE, Bearing	2
8	9002-2	BEARING, Thrust	1
9	*	O-RING	1
10	9003-1	BEARING, Radial	1
11	6472	SHAFT, Output (tapered)	1
12	14163	NUT, Castle	1
13	6475	PIN, Valve sleeve	1
14	6476	SPRING	1
15	+NSS	SLEEVE, Valve	1
16	6403	POPPET, Check valve	2
17	6148	BUSHING, Radial	1
18	5662	SPACER, Drive	1
19	6611	DRIVE	1
20	9001-6	RACE, Bearing	1
21	9002-1	BEARING, Thrust	1
22	9001-5	RACE, Bearing	1
23	+NSS	HOUSING	1
24	*	O-RING	3
25	6134	PLATE, Spacer	1
26	5417	WASHER, Lock	7
27	5777	SCREW	7
28	6606-4	GEROLER ASSEMBLY	1
29	6518	SPACER	1
30	6517	CAP, End	1
31	5389-10	SCREW	7
32	14083	PLUG, Pipe	1

\*Indicates parts included in Seal Kit SK1271.

+These parts available only as part of HOUSING & SLEEVE ASSEMBLY NO. 6627-1.





# 240

# POWER SWEEPER

**engine parts**



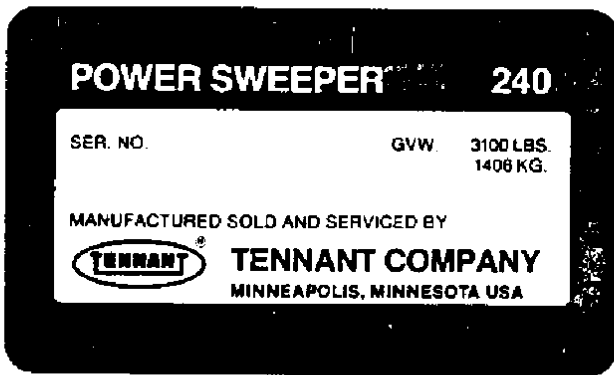
## ORDERING REPAIR PARTS

The components used in this machine have been carefully selected for performance and safety. Use only Tennant Company supplied or equivalent parts.

To receive prompt service in filling your parts orders, please direct all parts orders with Tennant Company part numbers to the Tennant Company, and all parts orders with vendor part numbers to the local supplier of the respective vendor.

To avoid errors or delays in filling your parts orders, please furnish all of the following information.

1. Refer to Tennant Company data plate. Always specify the machine model number and the machine serial number shown on the machine data plate.



2. Refer to the vendor part data plate. Always specify the model number and serial number shown on the data plate.
3. Give the part number, description, and the quantity needed of each item on the order. Do not order by reference number or the figure number of the illustrated parts.
4. Indented items indicate parts of assemblies. Standard hardware is furnished only when part of a purchased assembly. Please order hardware from a local hardware supplier.
5. If the old part cannot be identified, send it to us with the quantity needed specified on the order.
6. State definite shipping instructions to include the shipping address and/or the billing address if there is a difference. Any claim for loss or damage to a shipment in transit should be filed promptly against the transportation company making the delivery. Shipments will be complete unless the packing list or order acknowledgement indicate items back ordered.

If parts received are suspected to be incorrect or defective, please write, wire, or phone the parts supplier from whom you ordered the part. They will give authorization for return and/or handle replacement shipments when required.

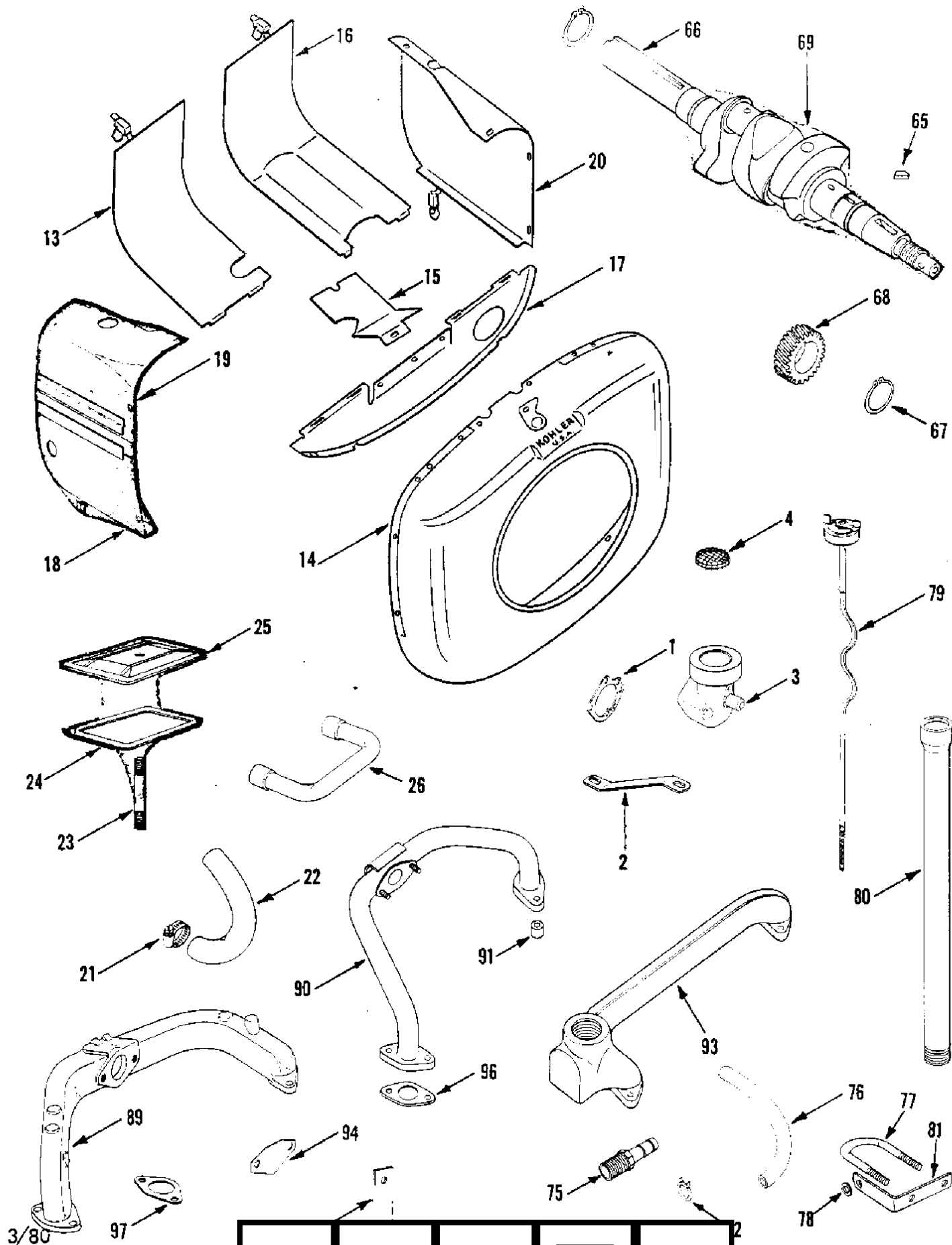
### SI (INTERNATIONAL SYSTEM) UNITS OF MEASURE

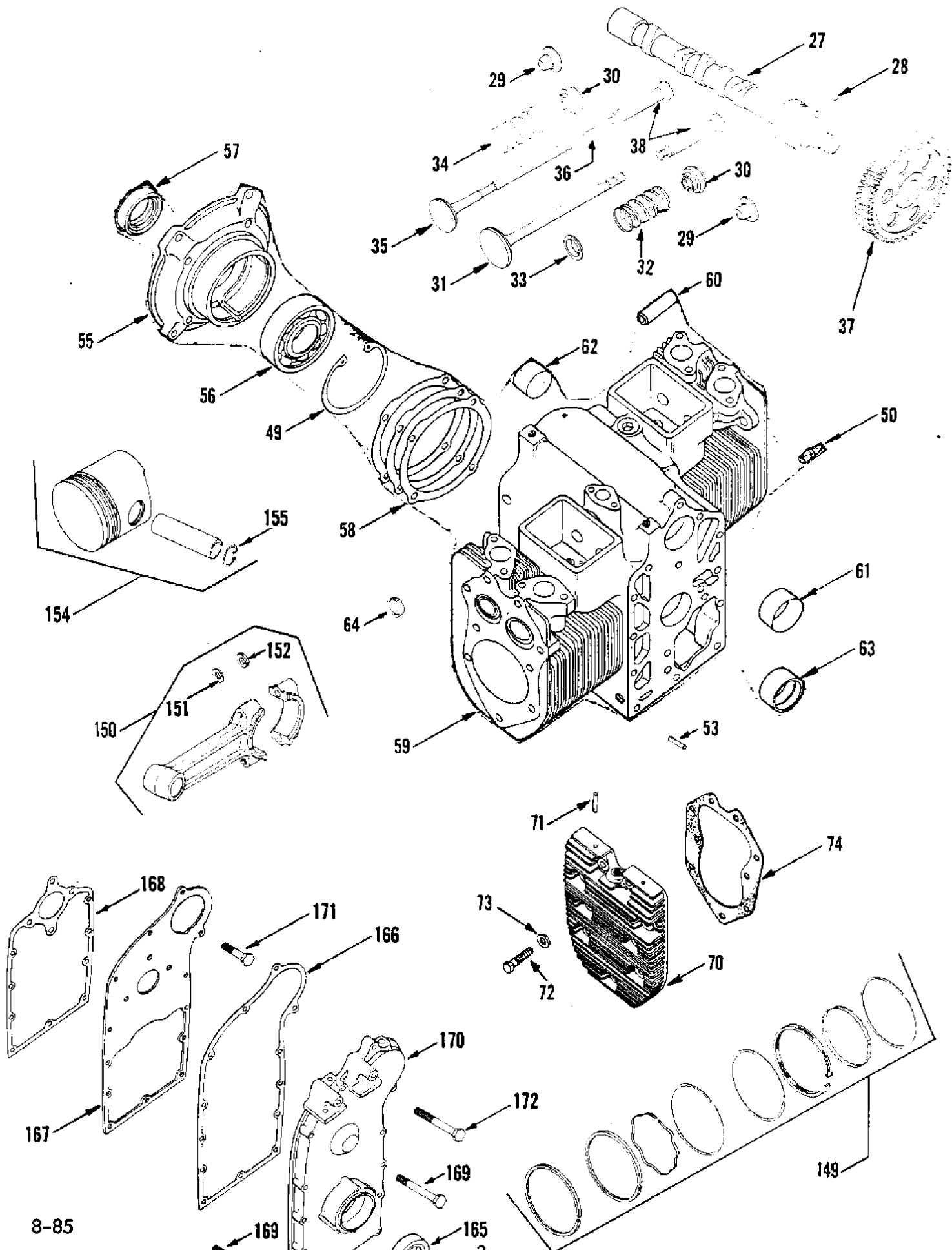
Metric equivalents have been included, where applicable, throughout this parts catalog.

### BOLT AND CAP SCREW STRENGTH IDENTIFICATION

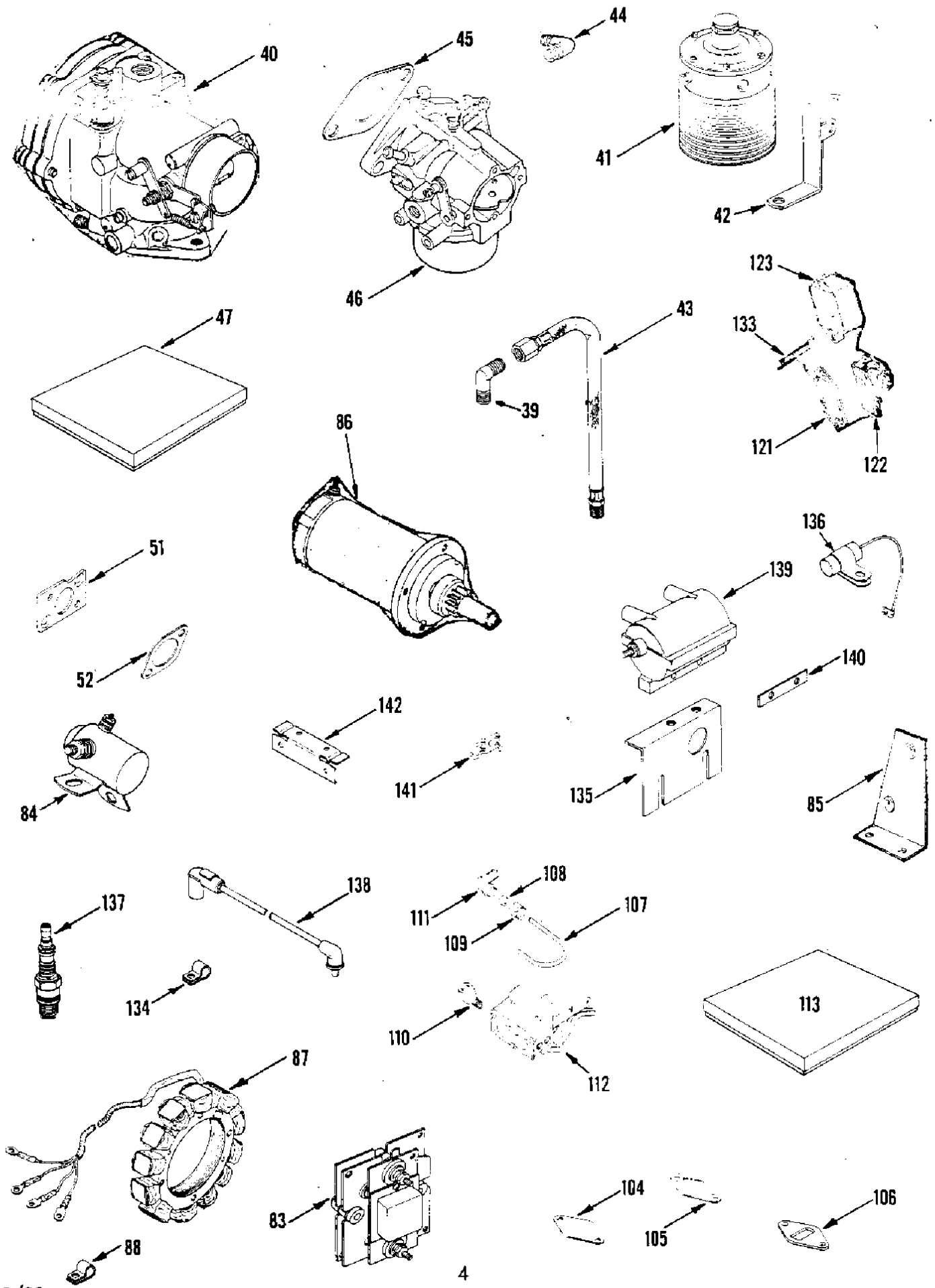
Boits and cap screws required to have high-strength qualities equivalent to SAE Grade 8 are identified throughout this catalog by the description GR 8. Unless identified by this description, all standard bolts and cap screws are SAE Grade 5.

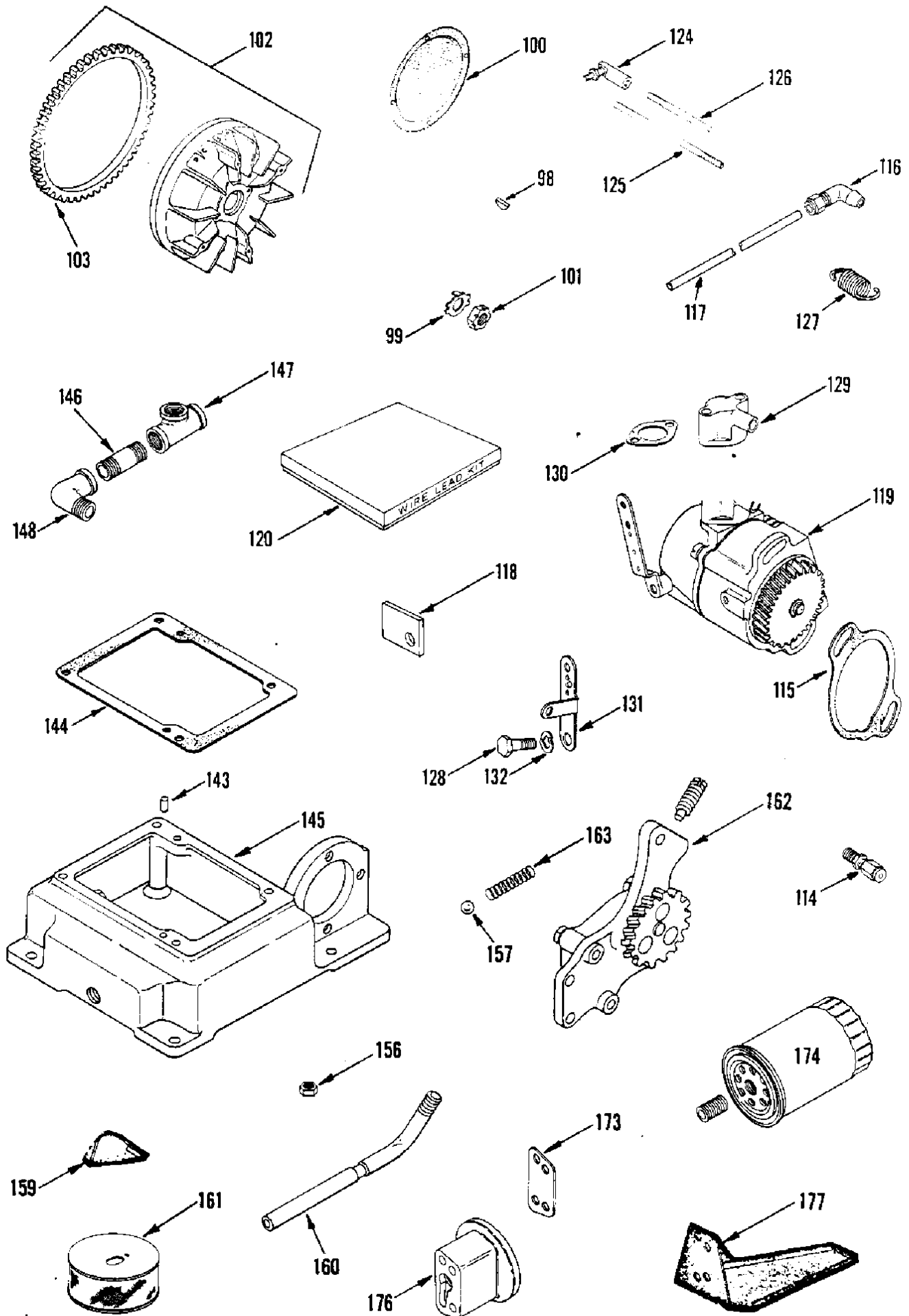
KOHLER MODELS K532S and K582S  
(See Parts List)





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PARTS LIST FOR KOHLER MODEL K532S and K582S ENGINES

K532S: Gasoline Spec. #53124A, TENNANT #53396A.  
 LPG Spec. #53125A, TENNANT #53498A  
 K582S: Gasoline Spec. #36283A, TENNANT #37039-1  
 LPG Spec. #36284A TENNANT #37040-1

Ref. No.	Part Name	Model K532S Kohler Part No.	Model K582S Kohler Part No.	Qty. Reqd.
1	GASKET (Gasoline)	277069	277069	1
2	BRACE, elbow (Gasoline)	277116	277116	1
3	ELBOW, air cleaner (Gasoline)	277396	277396	1
4	SCREEN	48 162 05	48 162 05	1
13	BAFFLE, #1 barrel	277048	277048	1
14	HOUSING, blower	277056	277056	1
15	BAFFLE	277057	277057	1
16	BAFFLE, #2 barrel	277168	277168	1
17	BAFFLE, blower housing support	277230	277230	1
18	BAFFLE, #1 upper cylinder	+37284	+37284	1
19	BAFFLE	+37286	+37286	1
20	BAFFLE, #2 cylinder head	+37285	+37285	1
21	CLAMP, hose (LPG)	X-426-3	X-426-3	2
21	CLAMP, hose (Gasoline)	X-426-3	X-426-3	2
22	HOSE, breather (LPG)	X-484-17	X-484-17	1
23	STUD, valve cover	220368	220368	2
24	GASKET, valve cover	270034	270034	2
25	COVER, valve	270036	270036	2
26	HOSE, breather (Gasoline)	277392	277392	1
27	CAMSHAFT	+37267	+37267	1
28	KEY, woodruff #3	X-43-1	X-43-1	1
29	RETAINER, valve spring	230011	230011	2
30	ROTATOR, exhaust valve	230020	230020	2
31	VALVE, intake	235008	235008	2
32	SPRING, intake valve	235010	235010	2
33	RETAINER, valve spring	235011	235011	4
34	SPRING, exhaust valve	235168	235168	2
35	VALVE, exhaust	237672	237672	2
36	KEY, retainer	240013	240013	8
37	GEAR, camshaft	277012	277012	1
38	TAPPET ASSEMBLY	D-277031	D-277031	4
39	ELBOW (LPG)	X-447-1	X-447-1	1
39	ELBOW (LPG)	X-447-11	X-447-11	1
40	CARBURETOR (LPG)	A-277321	A-277321	1
47	KIT, repair (LPG)	277896	277896	1
41	VAPORIZER (LPG)	271486	271486	1
42	BRACE, vaporizer (LPG)	277314	277314	1
43	LINE, fuel	277621	277621	1
44	ELBOW	231510	231510	1
45	GASKET, carburetor	271030	271030	1
46	CARBURETOR (Gasoline)	+37276	+37275	1
47	KIT, repair (Gasoline)	221519	221519	1
48	BUSHING	48 158 01	48 158 01	1
49	RING, retaining	X-269-31	X-269-31	1
50	CONNECTOR, hose	X-380-1	X-380-1	1
51	ADAPTER, car. (LPG)		48 029 01	1
52	GASKET (LPG)		48 041 02	1
53	PIN	X-599-2	X-599-2	2
54	SCREW, H.C. 3/8 - 16 x 1-1/4	270956	270956	4

(Continued on next page)

3/80 + Tennant Company part no.

Home	Find...	Go To..		
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Ref. No.	Part Name	Model K532S Kohler Part No.	Model K582S Kohler Part No.	Qty. Reqd.
55	PLATE, rear closure	+37266	+37266	1
56	BEARING, ball	277062	277062	1
57	SEAL, rear oil	277065	277065	1
58	GASKET, closure plate	277087	277087	1
59	CRANKCASE ASSEMBLY	48 005 05	48 005 06	1
60	GUIDE, valve	235007-S	235007-S	4
61	BUSHING, front camshaft	277038	277038	1
62	BUSHING, rear camshaft	277039	277039	1
63	BEARING, crankshaft	277208	277208	1
64	INSERT, intake valve	230265	230265	2
65	KEY, woodruff	X-42-15	X-42-15	1
66	RING, retaining	X-269-30	X-269-30	1
67	RING, retaining	X-269-32	X-269-32	1
68	GEAR, crankshaft	277009	277009	1
69	CRANKSHAFT	277624	277624	1
70	HEAD, cylinder (Gasoline)	277043	277043	2
70	HEAD, cylinder (LPG)	277377	277377	2
71	PIN, roll 3/16 x 1-1/8	X-280-13	X-280-13	2
72	SCREW, H.C. 3/8 - 16 x 1-1/2	270158	270158	18
73	WASHER 3/8	270889	270889	18
74	GASKET	+37272	+37272	2
75	CONNECTOR	X-380-1	X-391-1	1
76	LINE	X-386-19	X-386-19	1
77	BOLT-U	+16210	+16210	1
78	SPACER	X-400-64	X-400-64	2
79	DIPSTICK	277401	277401	1
80	TUBE, oil fill	277403	277403	1
81	BRACKET, dipstick tube	277431	277431	1
82	CLAMP, hose	X-426-9	X-426-9	2
83	REGULATOR (30 amp)	277064	277064	1
84	SOLENOID (30 amp)	243823	243823	1
85	BRACKET, voltage regulator	277407	277407	1
86	STARTER ASSEMBLY	A-277599	A-277599	1
87	STATOR, alternator (30 amp)	277618	277618	1
88	CLIP, cable	X-672-7	X-672-7	1
89	MANIFOLD, intake (LPG)	277323	+37289	1
90	MANIFOLD, intake (Gasoline)	+37297	+37297	1
91	SPACER (LPG)		277439	1
92	SCREW, H.C.	220257	X-154-4	A.R.
93	MANIFOLD, exhaust	277013	277013	1
94	PLATE, closure (LPG)		48 009 07	1
95	STRAP, lifting	236742	236742	2
96	GASKET, manifold	277091	277091	4
97	GASKET, intake manifold (LPG)		+37624	2
98	KEY, woodruff	X-45-3	X-45-3	1
99	NUT, hex.	X-80-1	X-80-1	1
100	SCREEN, grass	277470		1
101	NUT, lock	277595	277595	1
102	FLYWHEEL ASSEMBLY (30 amp) (Includes ring gear)	+37271	+37271	1

+Tennant Company part no.

(continued on next page)

KOHLER K532S & 582S ENGINE PARTS LIST

Ref. No.	Part Name	Model K532S Kohler Part No.	Model K582S Kohler Part No.	Qty. Reqd.
103	GEAR, ring	277122	277122	1
104	COVER, pump (LPG)	240282	240282	1
105	GASKET, fuel pump (LPG)	47 041 01	47 041 01	1
106	GASKET	277649	277649	1
107	LINE, fuel (Gasoline)	220097	220097	1
108	SLEEVE (Gasoline)	220547	220547	2
109	NUT (Gasoline)	220786	220786	2
110	ELBOW, street (Gasoline)	X-211-10	X-211-10	1
111	ELBOW (Gasoline)	231510	231510	1
112	PUMP, fuel (Gasoline)	A-277539	A-277067	1
113	KIT, pump repair (Gasoline)	271736	271736	1
114	CONNECTOR	X-343	X-343	1
115	GASKET, governor housing	277078	277078	1
116	ELBOW	277337	277337	1
117	LINE, oil	277669	277669	1
118	PLATE, governor	48 146 01	48 146 01	1
119	GOVERNOR ASSEMBLY	B-277112	B-277112	1
120	LEAD kit #14 wire	238054	238054	1
121	GASKET, breaker cover	220174	220174	1
122	BREAKER	+37262	+37262	1
123	COVER, breaker	232535	232535	1
124	BALL joint	237130	45 208 03	2
125	ROD, ball joint (LPG)	+37884	+37884	1
126	ROD, ball joint (Gasoline)	271151	271151	1
127	SPRING, governor	271547	271547	1
127	SPRING, governor (For spec 36244A only)		277325	1
128	SCREW, shoulder	275691	275691	1
129	HOUSING, breather (Includes valve)	A-277905	A-277905	1
130	GASKET	277073	277073	1
131	LEVER, throttle	277080	277080	1
132	WASHER, tension	277341	277341	1
133	ROD, breaker push	X-489-8	X-489-8	1
134	CLIP, cable	210281	210281	2
134	CLIP, cable	X-672-7		1
135	PLATE, coil mounting	277587	277587	1
136	CONDENSER	230722	230722	1
137	PLUG, spark	+45770-5	+45770-5	2
138	LEAD, hi-tension	238057	238057	2
139	COIL	277375	277375	1
140	PLATE, coil mounting	271694	271694	1
141	CLIPS, Tinnerman	235603	235603	2
142	BRACKET, cable	277128	277128	1
143	PIN, dowel	+37918	+37918	2
144	GASKET, oil pan	277014	277014	1
145	PAN, oil	48 532 03	48 532 03	1
146	NIPPLE	X-206-2	X-206-2	1
147	TEE	A-108	48 451 01	1
148	ELBOW, street	SA-472	48 283 01	1

+Tennant Company part no.

(continued on next page)

## KOHLER K532S & K582S ENGINE PARTS LIST

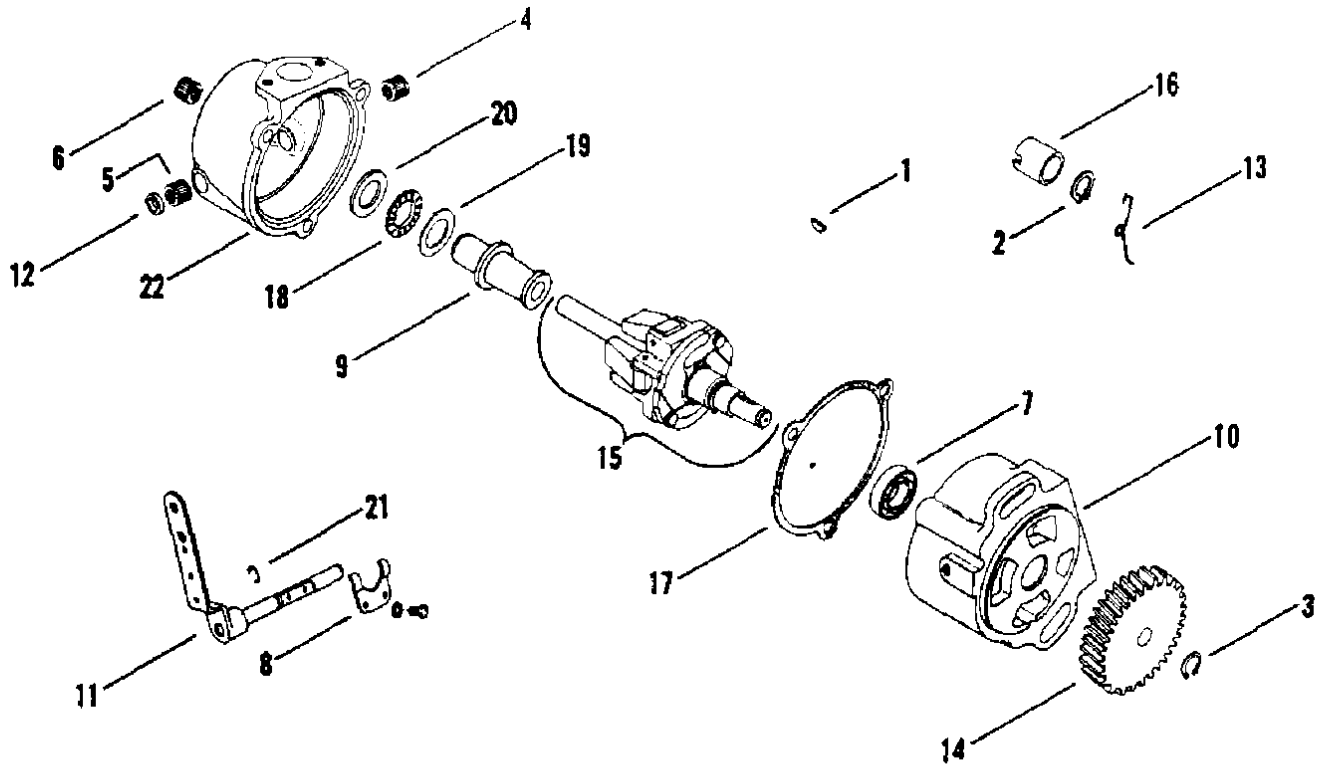
Ref. No.	Part Name	Model K532S Kohler Part No.	Model K582S Kohler Part No.	Qty. Reqd.
149	RING SET - Std. (Service)	235889	48 108 05	2
	RING SET - .010 (Service)	235890	48 108 06	
	RING SET - .020 (Service)	235891	48 108 07	
	RING SET - .030 (Service)	235892	48 108 08	
150	ROD, connecting (Includes 151 & 152)	48 067 08	48 067 08	2
	ROD, connecting - .010	A-277673-10	A-277673-10	
151	WASHER	+37832	+37832	4
152	WASHER, split	X-22-1	X-22-1	4
154	PISTON ASSEMBLY (Includes pin and retainers)	4807421	4807426	2
	PISTON .003	4807422	4807427	
	PISTON .010	4807423	4807428	
	PISTON .020	4807424	4807429	
	PISTON .030	4807425	4807430	
155	RETAINER	235811	235811	4
156	NUT, lock	X-629-1	X-629-1	1
157	BALL, steel	X-212-3	X-212-3	1
158	SCREW, adjusting	277694	48 102 01	1
159	CLIP, oil tube	270085	270085	1
160	TUBE, oil inlet	277201	277201	1
161	STRAINER, oil - assembly	277202	277202	1
162	PUMP ASSEMBLY	48 393 02	48 393 10	1
163	SPRING, relief valve	+37406	+37406	1
164	PIN	X-280-13	X-280-13	2
165	SEAL, front oil	X-379-9	X-379-9	1
166	GASKET, gear cover	277020	277020	1
167	PLATE, gear cover	277021	277021	1
168	GASKET, gear cover plate	277022	277022	1
169	SCREW, H.C. 5/16 - 18 x 1-3/4	277086	277086	2
170	COVER, gear	A-277640	A-277640	1
171	SCREW, H.C. 5/16 - 18 x 3/4	X-6-11	X-6-11	6
172	SCREW, H.C. 5/16 - 18 x 1-3/4	X-6-22	X-6-22	7
173	GASKET, adapter	277195	48 041 03	1
174	FILTER, oil	277233	277233	1
175	STUD, filter	277234	277234	1
176	ADAPTER, filter	+37270	+37270	1
177	TROUGH, spill	48 459 01	48 459 02	1
	CABLES, Spark plug	277374		2

**Note:**

Short Block #	48 522 08* (SK2451)	48 522 14* (SK2450)
Gasket Set w.o. seals	+37265	+37265
Gasket Set (Includes seals)	+37294	+37294
*Includes Gasket Set +37265		

+Tennant Company part no.

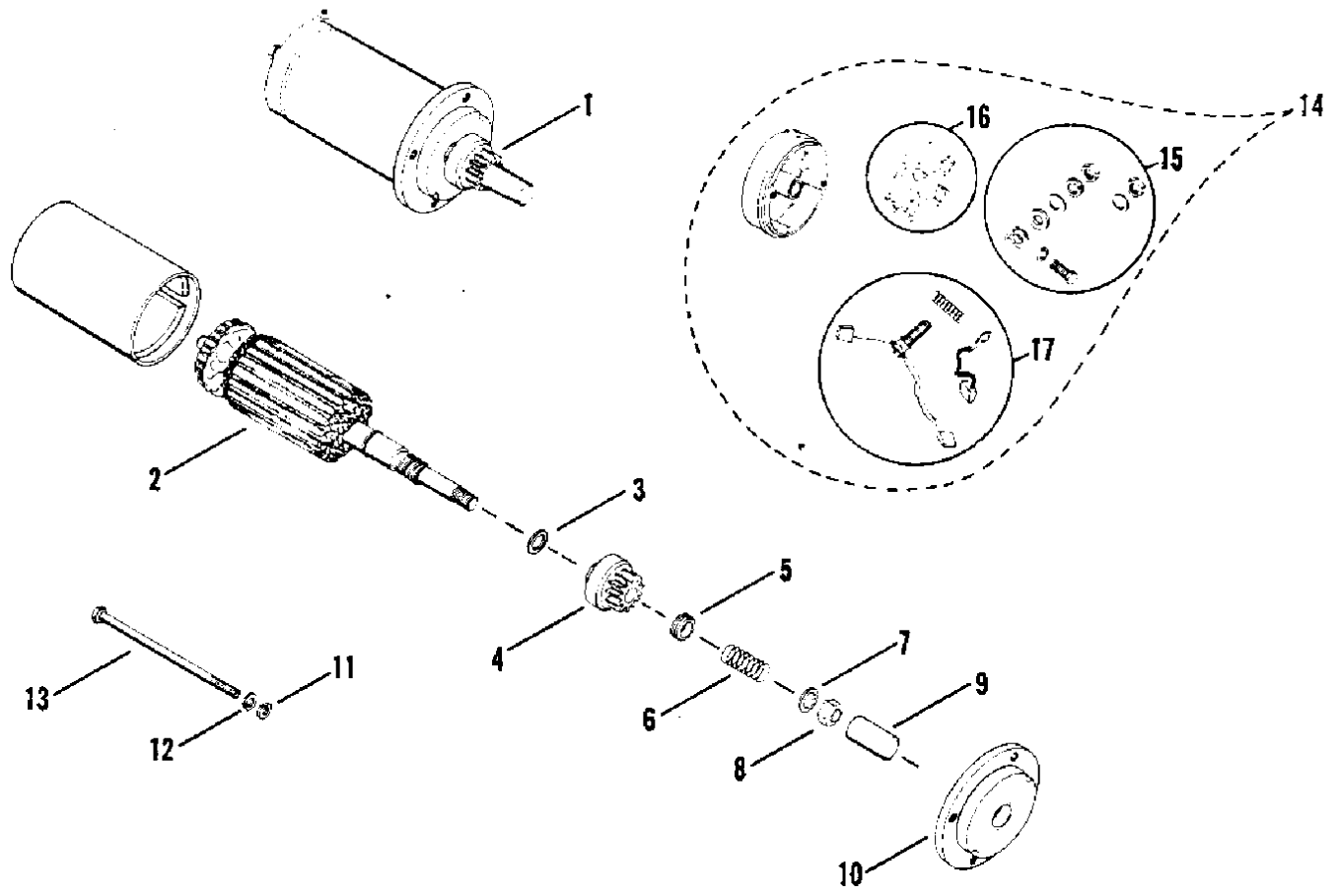
GOVERNOR ASSEMBLY #B-277112  
K532S & K582S



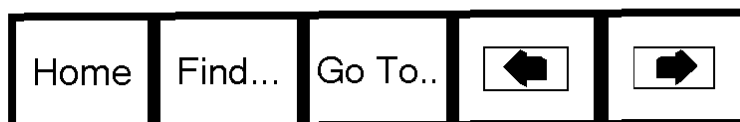
<u>Ref. No.</u>	<u>Part Name</u>	<u>Kohler Part No.</u>	<u>Qty. Reqd.</u>
1	KEY, woodruff	X-42-2	1
2	RING, retainer	X-269-4	1
3	RING, retainer	X-269-15	1
4	BEARING, needle	X-293-2	1
5	BEARING, needle	X-293-3	1
6	BEARING, needle	X-293-6	1
7	BEARING, ball	240202	1
8	YOKE, governor	48 471 02	1
9	SLEEVE, governor	271132	1
10	HOUSING, governor	277109	1
11	LEVER, governor	A-277186	1
12	SEAL, oil	275055	1
13	SPRING	230189	2
14	GEAR, governor	277561	1
15	GOVERNOR SHAFT ASSEMBLY (Includes Ref No. 2,13,16)	A-277095	1
16	CAM, breaker	277096	1
17	GASKET, governor cover	277099	1
18	BEARING, roller thrust	277100	1
19	RACE, thrust bearing	277101	1
20	RACE, thrust bearing	277102	1
21	RING, retaining	277104	1
22	COVER, governor	277107	1

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STARTER 37274  
K532S & K582C



<u>Ref. No.</u>	<u>Part Name</u>	<u>Kohler Part No.</u>	<u>Qty. Reqd.</u>
1	STARTER ASSEMBLY	A-277599	1
2	ARMATURE	277605	1
3	WASHER, armature thrust	277611	1
4	DRIVE	277608	1
5	SPACER, stop gear	277606	1
6	SPRING, anti-drift	277607	1
7	WASHER, stop spring	277614	1
8	NUT	277619	1
9	COVER, dust	237643	1
10	CAP, drive end	277610	1
11	WASHER, flat	277615	1
12	WASHER, split	277616	2
13	BOLT, thru	277609	2
14	COMMUTATOR, end cap	277612	1
15	KIT, hardware	237761	1
16	KIT, brush holder	237762	1
17	KIT, brush & spring	277613	1



### MODEL 240 DAILY MAINTENANCE CHECK LIST

ITEMS TO BE SERVICED	DAILY CHECK LIST					
Shake Hopper Dust Filter						
Empty Hopper						
Check Main Brush and Side Brush for Wire or String and Remove if Found						
Check Engine Oil Level						
Check Hydraulic Fluid Reservoir Fluid Level						
Check Rear Tire Inflation Level						

### MODEL 240 WEEKLY MAINTENANCE CHECK LIST

ITEMS TO BE SERVICED	WEEKLY CHECK LIST					
Check Battery Electrolyte Level						
Check Main Brush and Side Brush Pattern and Adjust if Necessary						
Apply Grease to Hopper Lift Bearings (2)						
Clean Engine Air Filter Element						

### MODEL 240 MONTHLY MAINTENANCE CHECK LIST

ITEMS TO BE SERVICED	MONTHLY CHECK LIST					
Change Engine Oil and Oil Filter						
Check Engine Spark Plugs and Points						
Check Engine Timing						
Clean Fuel Filter (gasoline)						
Apply Grease to Pump Drive Coupling Grease Fitting						











TENNANT COMPANY WORLD HEADQUARTERS, MINNEAPOLIS, MN 55440 U.S.A.

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