



Multi-Pro[®] 5600 Turf Sprayer

Model No. 41568—230000201 and Up

Parts Catalog

Ordering Replacement Parts

To order replacement parts, please supply: the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form **a:b**. The **a** represents the reference number of the entire service assembly and the **b** represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number **6**, the tire by **6:1**, the valve by **6:2**, and the wheel by **6:3**. When you order the assembly identified by reference number **6**, you receive all parts identified by reference numbers **6:1**, **6:2**, and **6:3**. However, you may also order any part individually.

Reference numbers of this type appear in illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form **nX y**. The **n** represents the quantity of the part, the **X** is the multiplication symbol, and the **y** represents the reference number.

For example, in an illustration, the reference number **2X 37** means that two of the parts identified by reference number **37** are indicated.

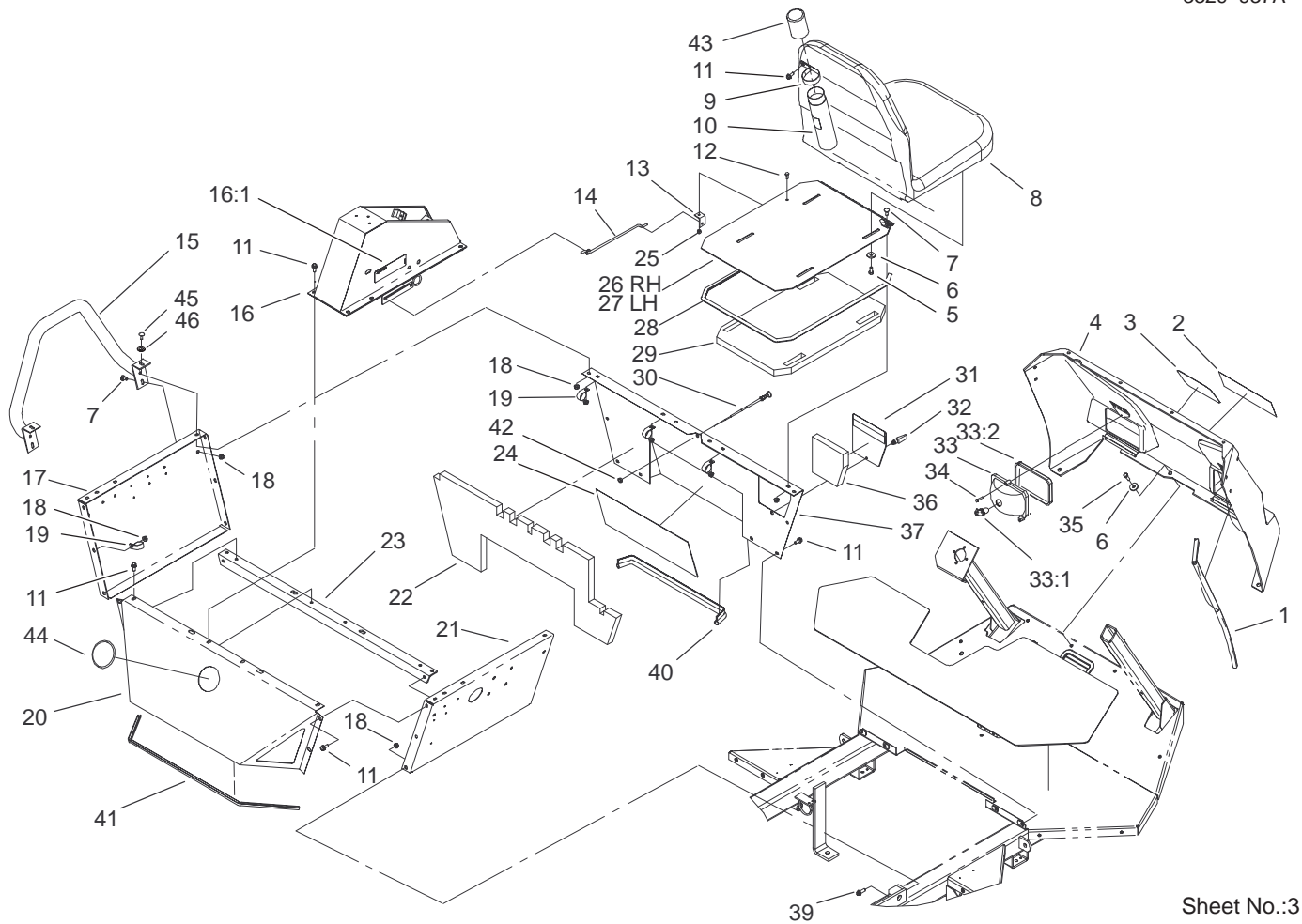
Contents

Description	Page	Description	Page
Front Suspension Assembly	4	Drive Linkage Assembly	35
Engine Shroud, Front Console and Seat Assembly	5	Fuel and Hydraulic Tank Assembly	36
Control Console Assembly	6	Traction Pedal Assembly	37
Rear Wheel Assembly	7	External Sprayer Component Assembly	38
Hydraulic Motor Assembly No. 93–6488	8	Valve Boom Assembly	40
Left Hand Brake Assembly No. 100–3069–03 .	9	Valve Agitation Assembly	41
Planetary Assembly No. 105–4500–03	10	Internal Sprayer Component Assembly	42
Right Hand Brake Assembly No. 100–3070–03	11	Filter Assembly	43
Hydraulic Motor Assembly No. 93–6489	12	Sprayer Component Assembly	45
Brake Pedal Assembly	13	Right Hand Boom Mount Assembly No. 106–4960	46
Frame, Fender and Battery Mount Assembly . .	14	Left Hand Boom Mount Assembly No. 106–4961	47
Fresh Water and Spray Tank Assembly	15	Vehicle Electrical Schematic	48
Tank Lid Assembly No. 94–7088	16	Vehicle Hydraulic Schematic	49
Fresh Water Tank Assembly No. 100–8438 . . .	17	Spray System Electrical Schematic	50
Exhaust Assembly	18	Spray System Flow Diagram	51
Dash and Instrument Assembly	19	Crankshaft and Camshaft Assembly	52
Hydraulic Pump Assembly	22	Oil Pump and Filter Assembly	55
Gear Pump Assembly No. 93–6492	24	Cylinder Head and Valve Assembly	56
Piston Pump Assembly No. 93–6491	25	Manifold Assembly	57
Control Assembly No. 93–6306	26	Carburetor Assembly	58
Front Wheel Assembly	27	Ignition and Fuel Pump Assembly	59
Pump Drive Assembly	28	Starter Motor Assembly (91AB–11000–JB)	60
Spray Pump Assembly No. 104–9099	29	Alternator Regulator Assembly	61
Pump Assembly No. 106–5121	30	Radiator Assembly	62
Steering Assembly	31	Radiator Shroud Assembly	63
Steering Control Assembly No. 92–3502	32	Governor Assembly	64
Hydraulic Cylinder Assembly No. 93–6510	33	Fan, Water Pump and Thermostat Assembly . .	65
Engine, Oil Cooler and Air Cleaner Assembly .	34	Main Harness and FlyWheel Assembly	66

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
ASM	assembly	INC	incorporated
CARR	carriage	LH	left hand
DEG	degrees	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange	SFH	slotted fillister head
HLH	hex lag head	SHH	slotted hex head
HJ	hex jam	SQH	square head
HOC	height-of-cut	SHWH	slotted hex washer head
HS	hex socket	SPH	slotted pan head
HSBH	hex socket button head	SRH	slotted round head
HSFH	hex socket flat head	STD	standard
HSH	hex socket head	TAP	self tapping
HWH	hex washer head	TTH	Torx truss head
HWHTF	hex washer head thread forming	WH	wing head

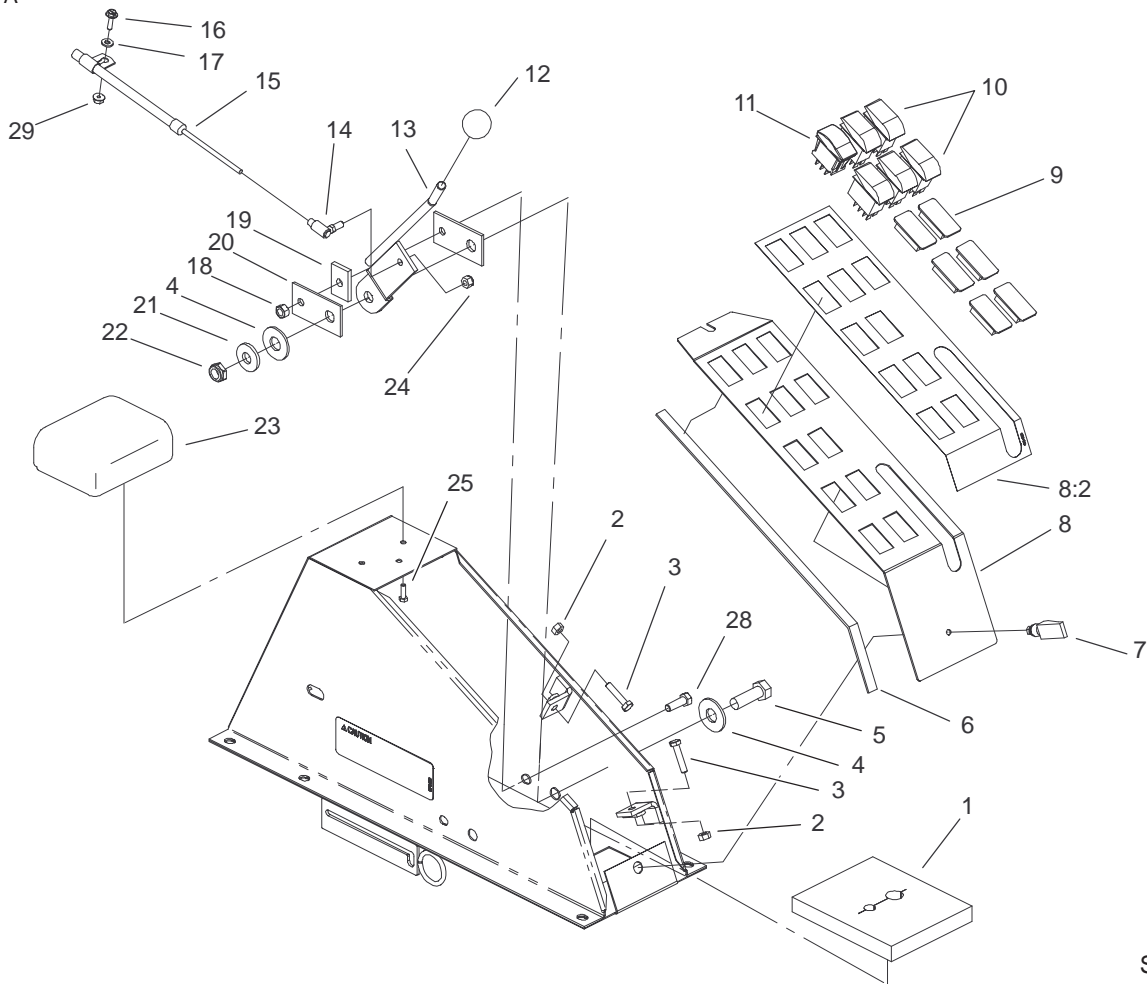


Sheet No.:3

Engine Shroud, Front Console and Seat Assembly

Ref. No.	Part No.	Qty.	Description
1	94-7086	2	Trim
2	106-4994	1	Decal
3	62-5550	1	Decal
4	94-7076	1	Console
5	322-3	8	Screw-HH
6	356303	14	Washer
7	3230-1	8	Bolt-CARR
8	104-4620	2	Seat-Olympic, Toro
9	2412-133	2	R-Clamp
10	104-7050	1	Housing-Manual
11	3234-5	20	Screw
12	321-3	2	Screw-HH
13	94-7203	2	Bracket
14	94-7204	2	Seat Prop Rod ASM
15	94-7046-03	2	Hip Restraint ASM
16	94-8534	1	Console ASM
16:1	87-0450	2	Decal-Caution, Braking
17	94-7042-01	1	Panel-Seat Box, LH
18	32128-20	22	Nut-HF
19	2412-104	4	R-Clamp
20	95-2164-03	1	Rear Panel ASM
21	95-2163-01	1	Panel-Seat Box, RH
22	104-8700	1	Barrier-Noise, Front Panel
23	94-7090-03	1	Seat Box Angle ASM

Ref. No.	Part No.	Qty.	Description
24	104-8701	1	Barrier-Noise, Lower Front Panel
25	3296-42	2	Nut-Lock, NI
26	94-7056-03	1	RH Seat Panel ASM
27	94-7059-03	1	LH Seat Panel ASM
28	94-7085	2	Trim
29	104-8703	2	Barrier-Noise, Seat
30	42611	1	Cable-Choke Control
31	95-2166-01	1	Access Panel ASM
32	74-5950	1	Latch-Swell
33	87-2120	2	Headlight
33:1	95-0909	1	Lamp-12 Volt
33:2	87-6330	1	Lens-Headlight
34	32144-9	6	Screw-Self Tapping
35	322-5	6	Screw-HH
36	104-8702	1	Barrier-Noise, Access Panel
37	95-2162-01	1	Front Seat Panel ASM
39	3234-17	2	Screw-HHF
40	95-2178	1	Trim
41	106-1998	1	Trim
42	3220-3	1	Nut-Jam
43	104-7048	1	Cap-Housing
44	2410-35	1	Plug-Cap
45	3274-55	4	Screw-HSBH
46	3256-23	4	Washer-Flat

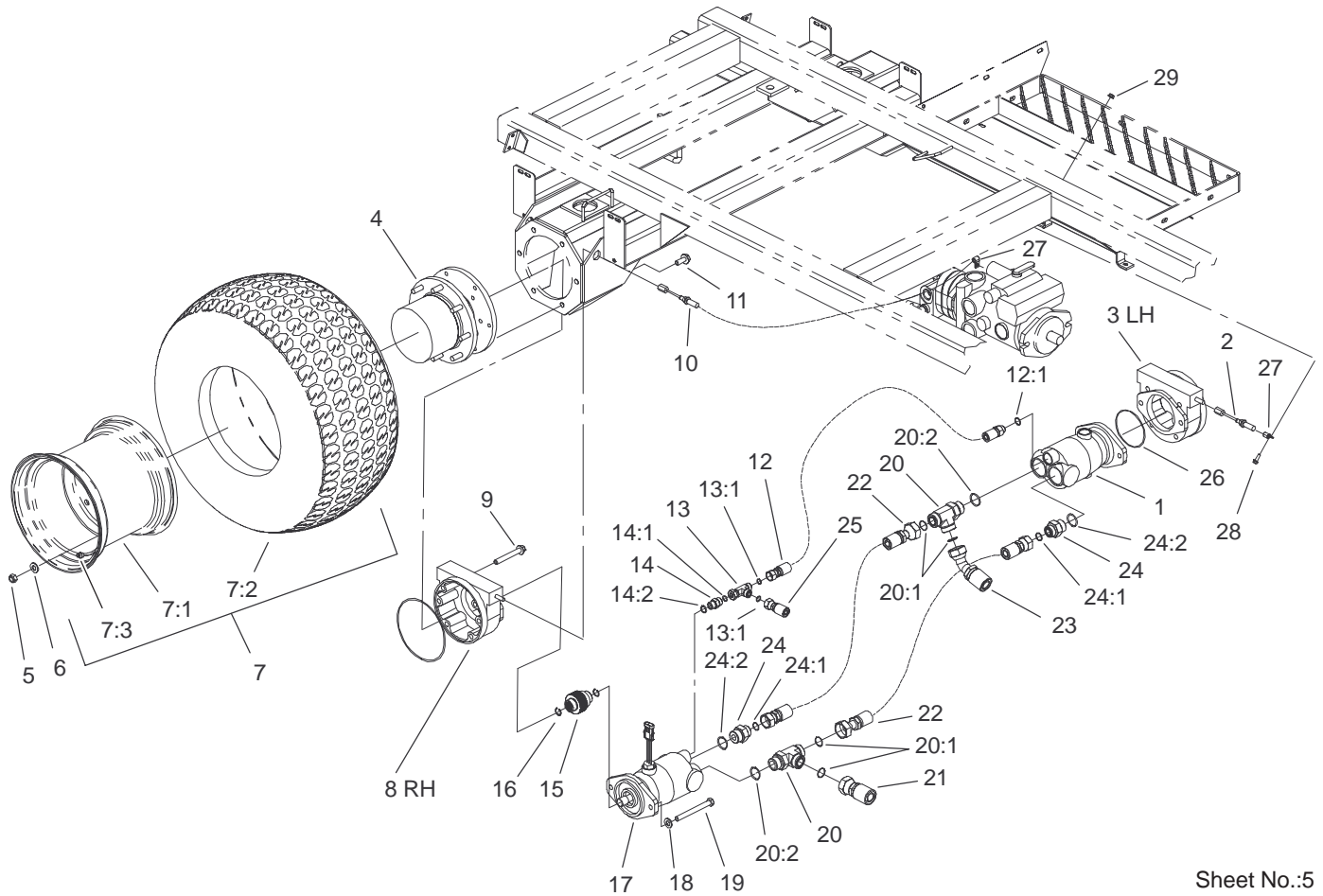


Sheet No.:4

Control Console Assembly

Ref. No.	Part No.	Qty.	Description
1	94-7142	1	Panel-Foam
2	3217-5	2	Nut-Hex
3	321-8	2	Screw-HH
4	3256-15	2	Washer-Flat
5	325-6	1	Screw-HH
6	94-7178	2	Seal-Foam, Console
7	74-5950	1	Latch-Swell
8	106-1210	1	Switch Panel ASM
8:2	104-9177	1	Decal-Spray Control
9	99-7420	6	Plug-Hole
10	100-8490	5	Switch-Dpdt
11	100-1535	1	Switch
12	233-42	1	Knob
13	94-7060-03	1	Throttle ASM
14	100-8559	1	Ball Joint ASM
15	104-9147	1	Cable-Throttle
16	32105-13	1	Screw-SHH
17	3256-14	1	Washer-Flat
18	104-8300	1	Nut-Flange, NI
19	94-7063-03	1	Spacer-Bearing Mount
20	94-7064	2	Plate-Throttle
21	3290-450	1	Washer-Belleville
22	3296-45	1	Nut-Lock, NI
23	94-7087	1	Pad
24	3296-3	1	Nut-Lock, NI

Ref. No.	Part No.	Qty.	Description
25	3290-134	2	Screw
28	322-5	1	Screw-HH
29	3290-148	1	Nut-HF



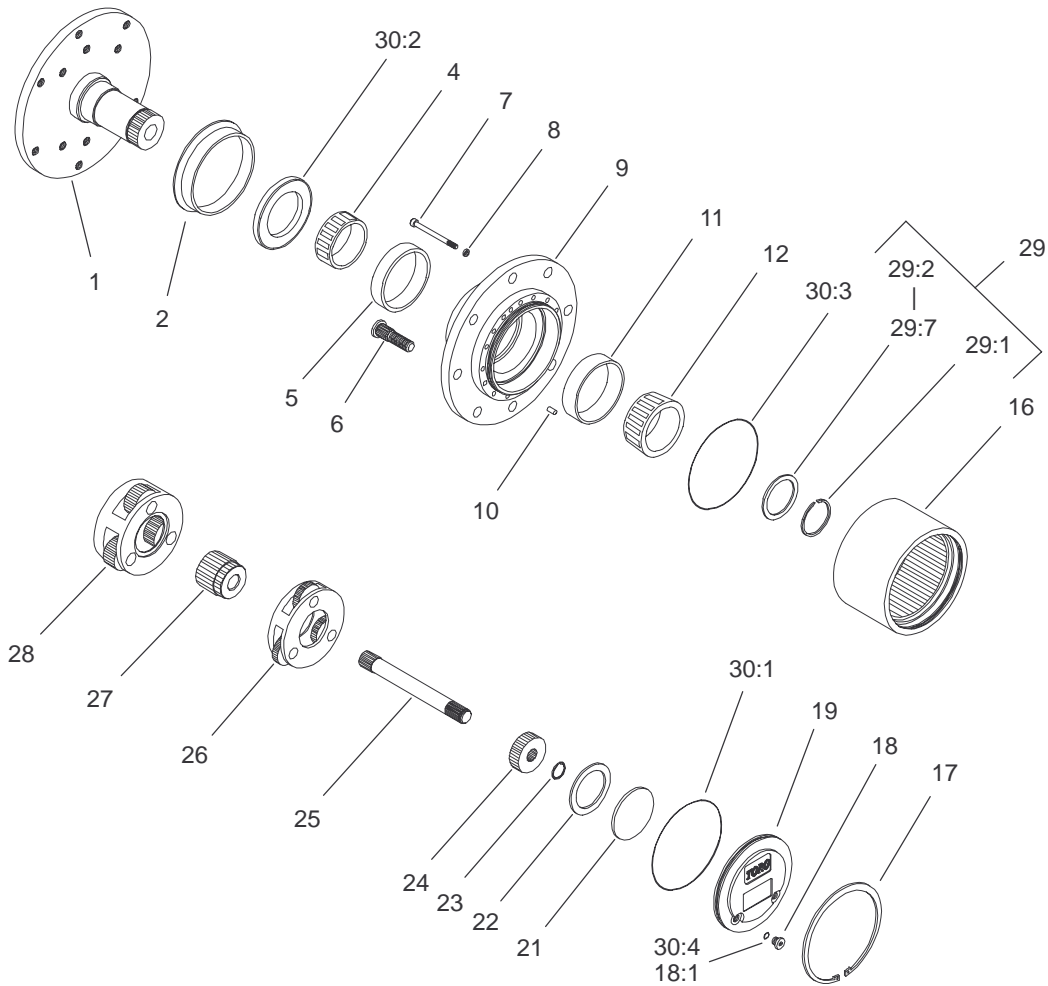
Sheet No.:5

Rear Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	93-6488	1	Motor-HYD
2	93-6593	1	Cable-Brake, LH
3	100-3069-03	1	Brake ASM
4	105-4500-03	2	Planetary ASM
5	3296-19	16	Nut-Lock NI
6	3256-26	16	Washer-Flat
☆7		2	Wheel Tire ASM
7:1	93-6496	1	Wheel
7:2	93-6152	1	Tire
7:3	232-27	1	Stem-Valve
8	100-3070-03	1	Brake ASM
9	33106-090	8	Screw-HHF
10	93-6594	1	Cable-Brake, RH
11	33106-030	12	Screw-HHF
12	104-9193	1	Hose ASM
12:1	237-79	1	O-Ring
13	340-104	1	Tee-Fitting
13:1	237-30	2	O-Ring
14	340-4	1	Fitting-HYD, Sraight
14:1	237-30	1	O-Ring
14:2	237-79	1	O-Ring
15	100-3046	2	Shaft-Brake, Splined
16	93-7972	4	Ring-Retaining, Internal
17	93-6489	1	Motor-HYD
18	33096-00	4	Washer-Flat

Ref. No.	Part No.	Qty.	Description
19	33116-120	4	Screw-HH
20	104-3795	2	Fitting-Tee, HYD
20:1	340-65	2	O-Ring
20:2	237-146	1	O-Ring
21	104-9195	1	Hose ASM
22	104-9187	2	Hose ASM
23	104-9196	1	Hose ASM
24	340-91	2	Adapter
24:1	237-58	1	O-Ring
24:2	237-146	1	O-Ring
25	104-9197	1	Hose ASM
26	237-166	2	O-Ring
27	2412-91	2	Clamp
28	3234-4	2	Screw-HHF
29	32128-33	2	Nut-HF

☆ Not serviced separately



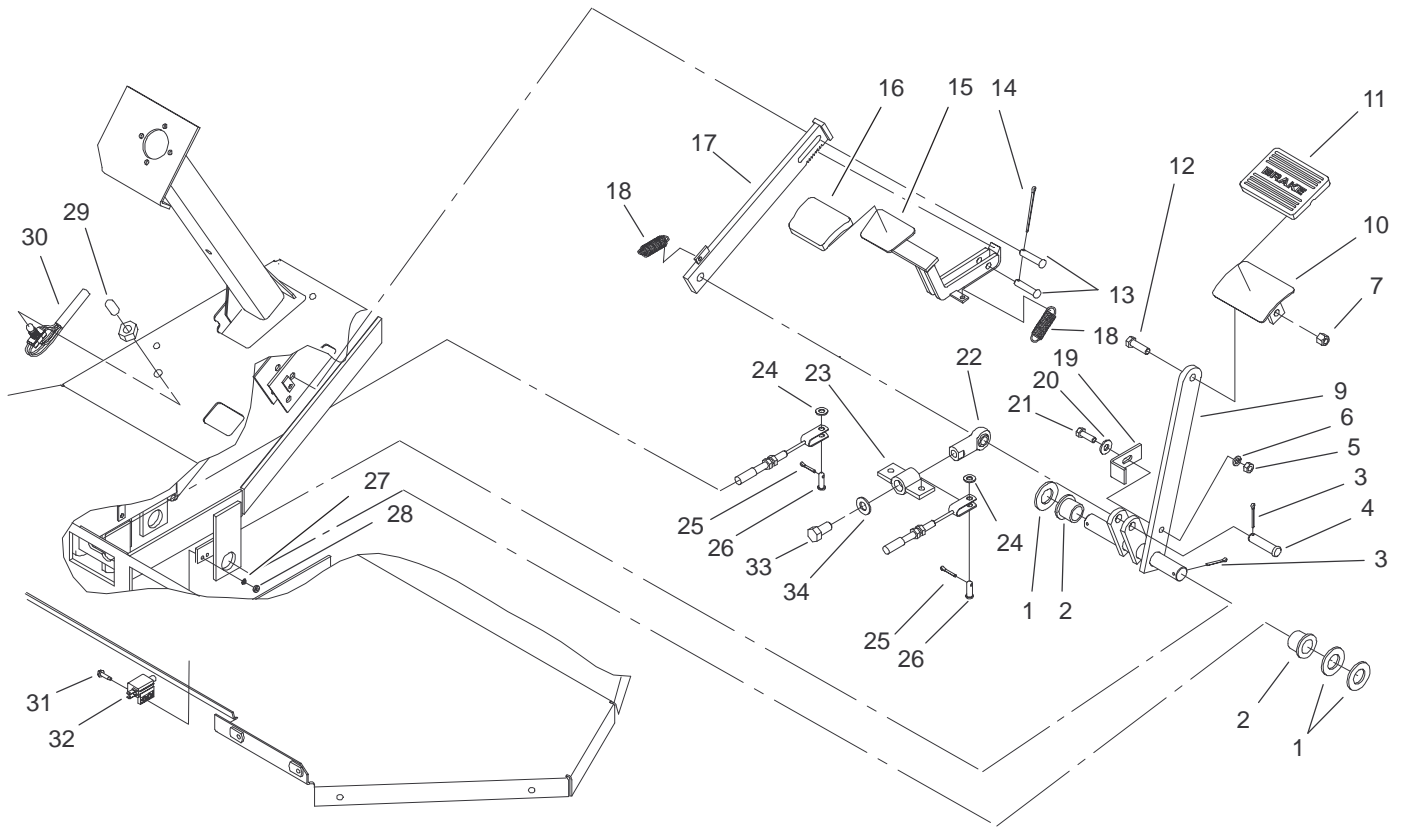
T-3867
Sheet No.:A3

Planetary Assembly No. 105-4500-03

Ref. No.	Part No.	Qty.	Description
☆1		1	Spindle
2	105-8122	1	Seal-Boot
4	105-8120	1	Bearing-Cone
5	105-8119	1	Bearing-Cup
6	105-8124	8	Stud-Wheel
7	105-8125	16	Bolt-Head, Socket
8	3253-18	16	Washer-Lock/Sp
☆9		1	Housing
10	105-8121	1	Pin-Dowel
11	105-8117	1	Bearing-Cup
12	105-8118	1	Bearing-Cone
16	105-8113	1	Gear-Ring
17	105-8132	1	Ring-Retaining
18	353-990	2	Plug
18:1	237-78	1	O-Ring
19	105-8138	1	Cap-End
21	105-8133	1	Plug-Thrust
22	105-8123	1	Washer-Thrust
23	105-8131	1	Ring-Retaining
24	105-8114	1	Gear-Primary
25	105-8115	1	Shaft-Drive
26	105-8129	1	Primary Carrier ASM
27	105-8139	1	Gear-Secondary
28	105-8130	1	Secondary Carrier ASM
29	105-8136	1	Part Kit

Ref. No.	Part No.	Qty.	Description
☆29:1		1	Ring-Snap
☆29:2		1	Shim-Bearing, 2.9mm
☆29:3		1	Shim-Bearing, 2.8mm
☆29:4		1	Shim-Bearing, 2.7mm
☆29:5		1	Shim-Bearing, 2.6mm
☆29:6		1	Shim-Bearing, 2.5mm
☆29:7		1	Shim-Bearing, 2.4mm
*30	105-8137	1	Seal Kit
☆30:1		1	O Ring-Flange Cap
☆30:2		1	Seal-Oil
☆30:3		2	O Ring-End Cap
30:4	237-78	2	O-Ring

☆ Not serviced separately
* Not illustrated

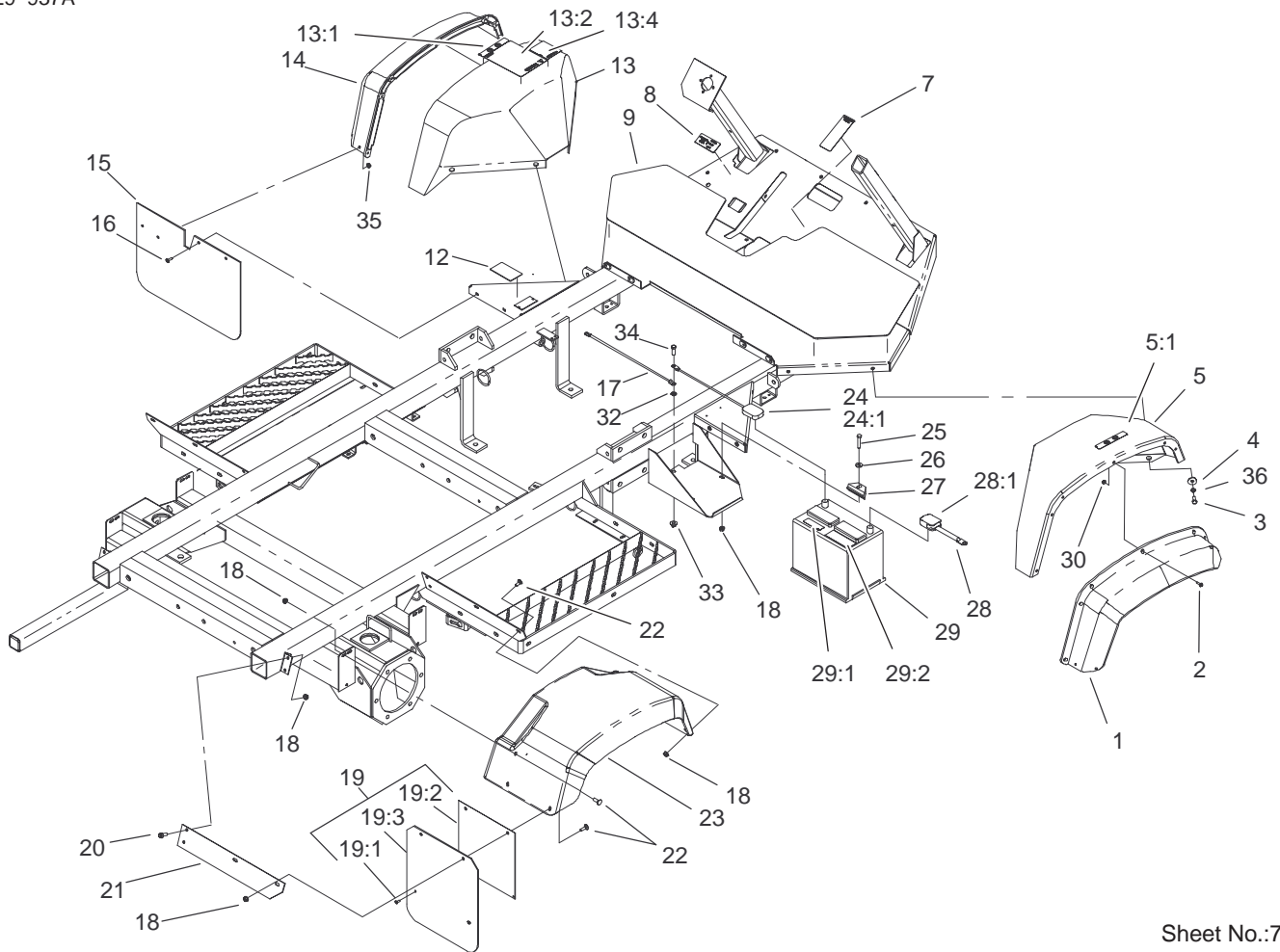


Sheet No.:6

Brake Pedal Assembly

Ref. No.	Part No.	Qty.	Description
1	3256-29	3	Washer-Flat
2	94-7164	2	Bearing
3	3272-12	3	Pin-Cotter
4	42195	1	Pin-Clevis
5	3217-6	1	Nut-Hex
6	3253-4	1	Washer-Lock
7	3296-39	1	Nut-Lock, NI
9	93-6589	1	Brake Shaft ASM
10	100-8422-03	1	Bracket-Pedal
11	7-3900	1	Pad-Brake
12	323-7	1	Screw-HH
13	283-15	2	Pin-Clevis
14	3272-53	1	Pin-Cotter
15	93-6599-03	1	Catch ASM
16	42719	1	Pad-Pedal
17	93-6598-03	1	Brake Strap ASM
18	92-0417	2	Spring-Ext
19	93-6592	1	Bracket
20	3256-3	1	Washer-Flat
21	322-5	1	Screw-HH
22	522087	1	Rod-End
23	93-6595	1	Brake Equalizer ASM
24	3256-23	2	Washer-Flat
25	3272-10	2	Pin-Cotter
26	283-58	2	Pin-Clevis
27	3253-17	2	Washer-Lock/Sp

Ref. No.	Part No.	Qty.	Description
28	3217-26	2	Nut-Hex
29	104-9114	1	Cover-Switch, Foot
30	104-9113	1	Switch-Foot
31	32144-125	2	Screw-SHWH
32	65-7410	1	Switch-Pole, Single
33	3213-1	1	Screw-HH
34	3256-26	1	Washer-Flat

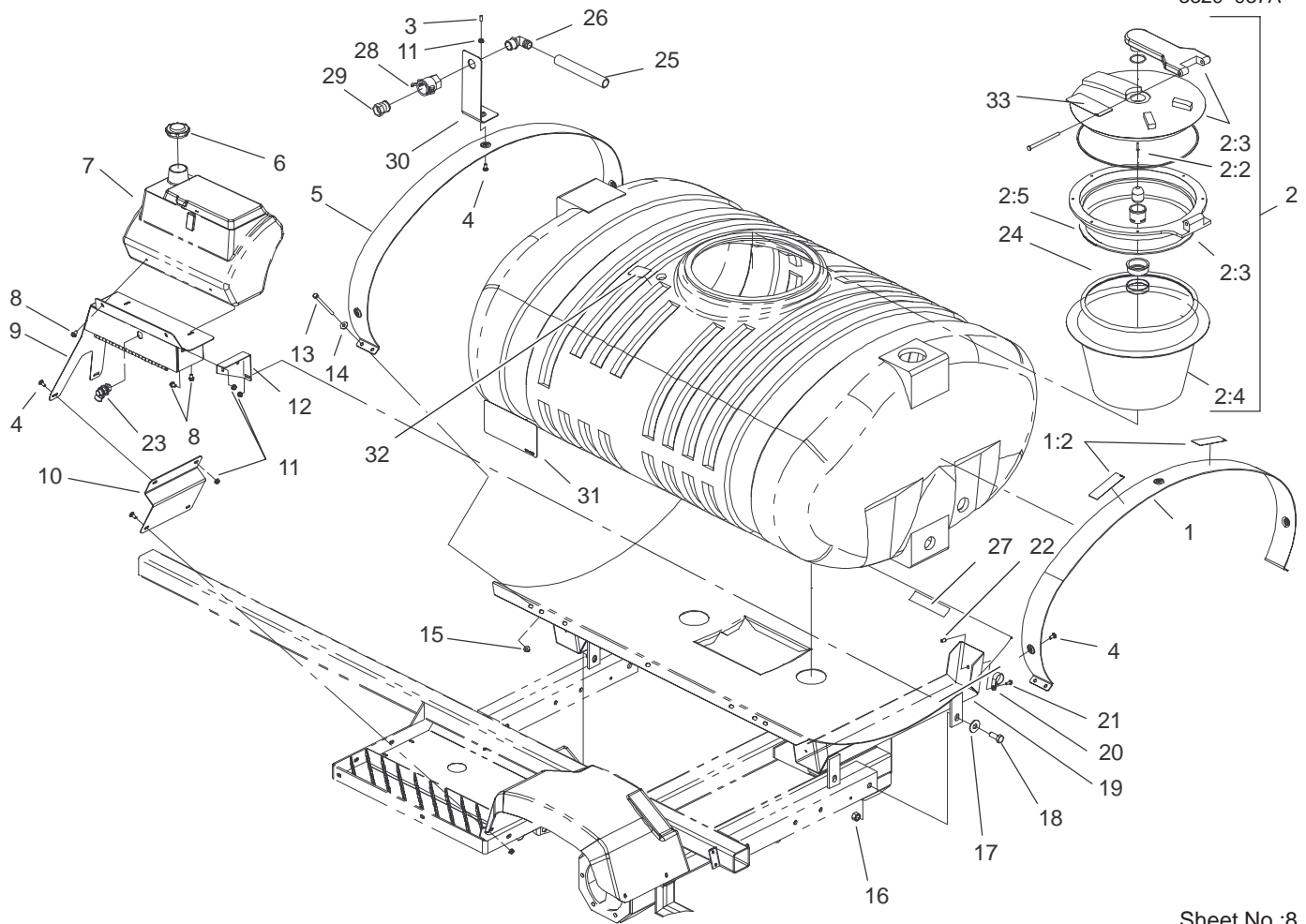


Sheet No.:7

Frame, Fender and Battery Mount Assembly

Ref. No.	Part No.	Qty.	Description
1	94-7074	1	Flare-Fender, RH
2	32105-13	12	Screw-SHH
3	322-5	8	Screw-HH
4	356303	8	Washer
5	94-8532	1	RH Fender ASM
5:1	93-6687	1	Decal-No Step
7	92-0479	1	Decal-Traction
8	94-7132	1	Decal-Brake Lock
9	104-8863	1	Tread-Floor
12	87-0430	1	Decal-Warning, Safety Start
13	94-8531	1	LH Fender ASM
13:1	93-6687	1	Decal-No Step
13:2	87-0580	1	Decal-Warning, Safety
13:4	94-7176	1	Decal-Warning, Braking
14	94-7075	1	Flare-Fender, LH
15	94-7071	2	Guard-Splash
16	92-3911	8	Screw-HSBH
17	42617	1	Cable-Ground
18	32128-20	17	Nut-HF
19	94-7127	2	Splash Guard ASM
19:1	114439	2	Rivet-Pop
19:2	94-7128-03	1	Plate-Guard, Splash
19:3	94-7129	1	Guard-Splash
20	3234-5	4	Screw

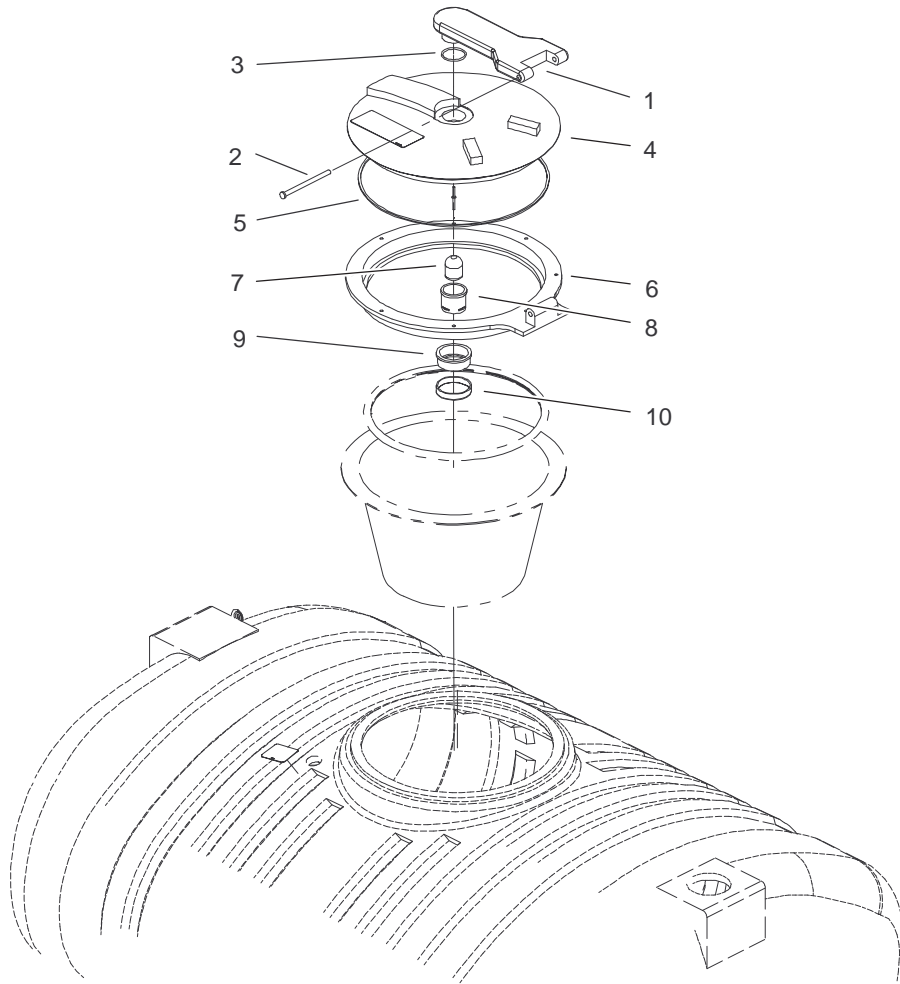
Ref. No.	Part No.	Qty.	Description
21	93-6528-03	2	Strap-Mount, Fender
22	3230-2	12	Bolt-CARR
23	93-6498	2	Fender-Rear
24	99060	1	Cable-Ground
24:1	106-4915	1	Cap-Protective, Blue
25	322-9	1	Screw-HH
26	3256-3	1	Washer-Flat
27	66-2490	1	Retainer-Battery
28	41792	1	Cable-Battery, Solenoid
28:1	106-4913	1	Cap-Protective, Red
29	55-7290	1	Battery (Dry)
30	3290-148	12	Nut-HF
32	3255-9	1	Washer-Lock, Ext
33	32128-43	1	Nut-Flange
34	323-6	1	Screw-HH
35	32128-33	8	Nut-HF
36	3253-4	8	Washer-Lock



Fresh Water and Spray Tank Assembly

Ref. No.	Part No.	Qty.	Description
1	106-4966	1	Tank Band ASM
1:2	87-0570	2	Decal-Electric Shock
2	106-4902	1	300 Gallon Tank ASM
2:2	93-0833	8	Rivet
2:3	94-7088	1	Tank Lid ASM
2:4	104-9051	1	Basket-Strainer
2:5	106-4991	1	Seal-Lid
3	42452	1	Cap-Protective
4	3230-1	4	Bolt-CARR
5	104-9126-03	1	Band-Tank Mounting
6	100-7008	1	Cap-Tank, Fresh Water
7	100-8438	1	Fresh Water Tank ASM
8	3234-28	6	Screw-HHF
9	104-8912-03	1	Tank Bracket ASM
10	104-9125-03	1	Bracket-Glove Box
11	32128-20	7	Nut-HF
12	104-9124-03	1	Mount-Tank, Plate
13	41809	8	Screw-HH
14	3256-4	8	Washer-Flat
15	104-8301	8	Nut-Flange, NI
16	3217-11	2	Nut-Hex
17	3256-7	2	Washer-Flat
18	327-4	2	Screw-HH
19	93-6497-03	1	Tank Saddle ASM

Ref. No.	Part No.	Qty.	Description
20	2412-74	1	R-Clamp
21	3234-4	1	Screw-HHF
22	32148-6	1	Insert-Nut
23	104-8914	1	Latch-Storage Box
24	104-9004	1	Seal-Strainer Basket
25	104-9075	1	Hose-Siphon, Anti
26	41140	1	Elbow
27	104-7102	4	Pad-Battery
28	100-6779	1	Coupling-Female
29	41316	1	Adapter-Quick
30	104-9122-03	1	Bracket-Siphon, Anti
31	104-9166	2	Decal-Tank, 300 Gallon
32	100-6836	1	Decal-Tank Drain
33	93-0688	1	Decal

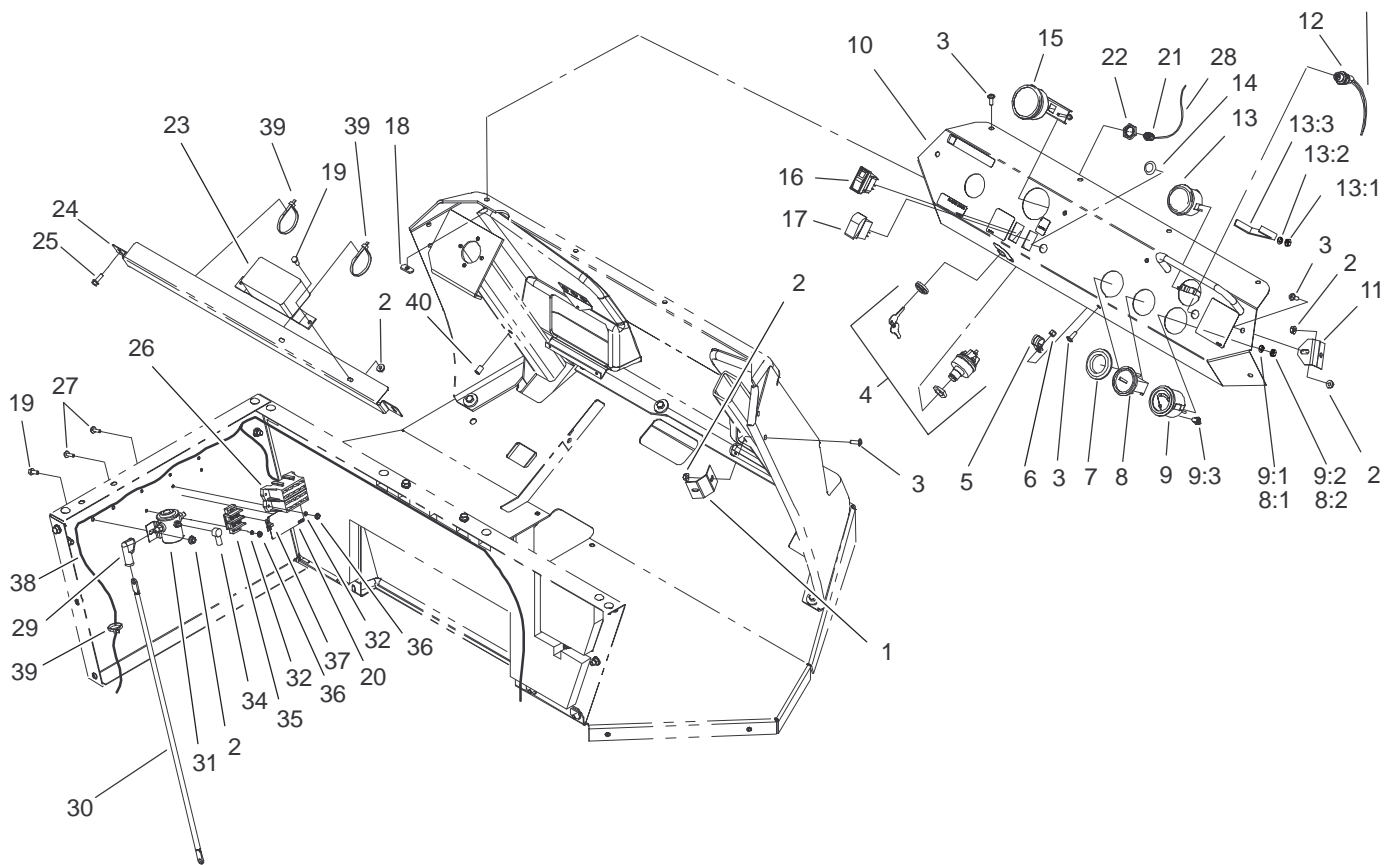


Sheet No.:A6

Tank Lid Assembly No. 94-7088

Ref. No.	Part No.	Qty.	Description
1	94-7205	1	Arm-Swivel
2	94-7213	1	Pin-Pivot
3	94-7206	1	O-Ring
4	94-7207	1	Lid
5	94-7208	1	Gasket
6	94-7211	1	Ring
7	94-7209	1	Plunger
8	94-7210	1	Body
9	94-7212	1	Nut
10	94-7214	1	Cap

Ref. No.	Part No.	Qty.	Description



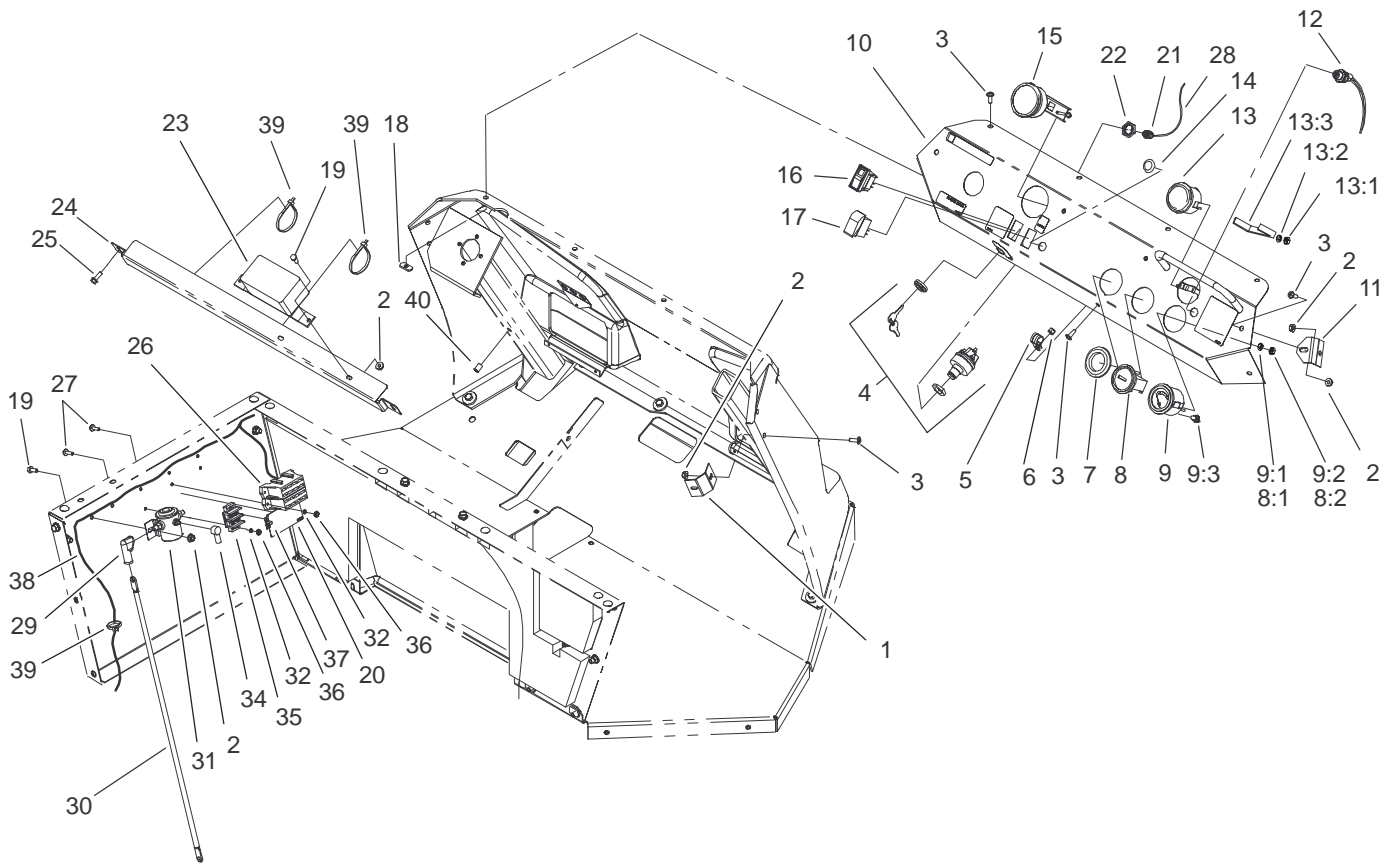
Sheet No.:10

Dash and Instrument Assembly

Ref. No.	Part No.	Qty.	Description
1	94-7140-03	2	Clip-Dash, Lower
2	32128-33	12	Nut-HF
3	92-3911	13	Screw-HSBH
4	42607	1	Switch ASM W/Keys
5	2412-134	1	R-Clamp
6	3296-42	1	Nut-Lock, NI
7	40764	1	Grommet
8	66-2950	1	Gauge-Hourmeter
8:1	3255-20	2	Washer-Lock
8:2	3217-25	2	Nut-Hex
9	105-2540	1	Gauge-Temp, Gas
9:1	3254-1	3	Washer-Lock, Int
9:2	3217-27	3	Nut-Hex
9:3	105-9265	1	Bulb And Lamp ASM
10	104-9105	1	Dash Panel ASM
11	94-7139-03	2	Clip-Dash, Upper
12	42609	1	Light-Low Oil
13	98-2160	1	Voltmeter
13:1	3217-27	1	Nut-Hex
13:2	3255-25	1	Washer-Lock
13:3	78-0080	1	Clamp-Mounting
14	94-7290	1	Plug-Hole
15	104-9115	1	Gauge-Pressure
16	104-9007	1	Switch-Rocker
17	100-8469	1	Switch-Rocker
18	904156	4	Weldnut

Ref. No.	Part No.	Qty.	Description
19	321-3	4	Screw-HH
20	106-4992	1	Decal-Fuse Block
21	100-8665	1	Reducer-Pressure Gauge
22	100-8666	1	Nut-Reducer
23	104-9104	1	Module-Valve, Pwm
24	104-9146-03	1	Plate-Shield, Head Light
25	3234-4	2	Screw-HHF
26	106-4983	1	Harness-Wire, Vehicle
27	32105-13	6	Screw-SHH
28	100-8667	1	Coupler-Reducer
29	92-0034	2	Boot-Terminal
30	94-7092	1	Cable
31	94-7079	1	Solenoid-Accessory
32	3253-17	6	Washer-Lock/Sp
34	41187	1	Boot-Terminal
35	42862	1	Block-Terminal, Ground
36	3217-26	6	Nut-Hex
37	42863	1	Strip-Jumper
38	104-9172	1	Harness-Wire, Spray System
38:6	106-4985	1	Tube-Pressure

* Not illustrated

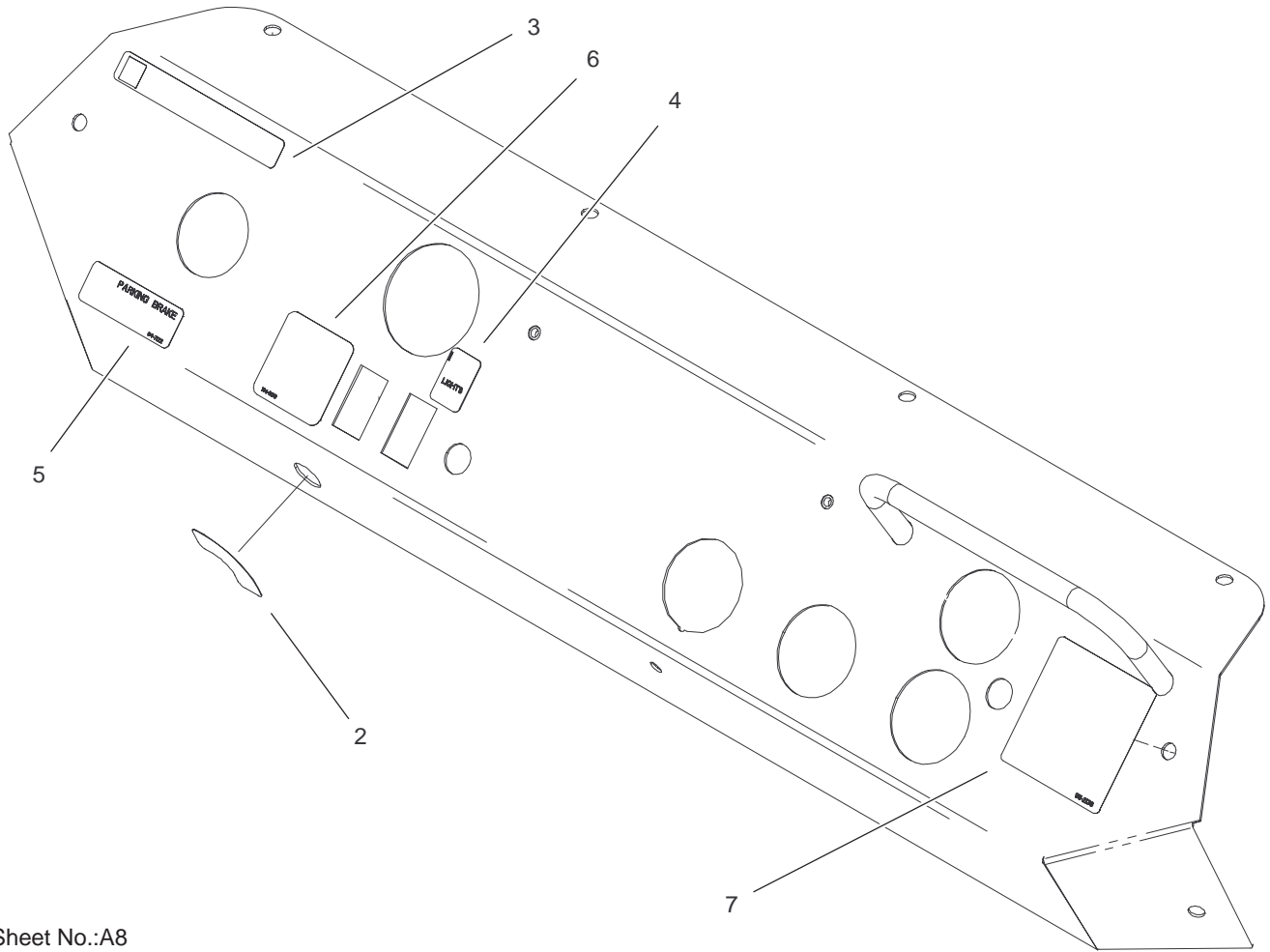


Sheet No.:10

Dash and Instrument Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
39	3290-379	24	Tie-Cable
40	32148-6	2	Insert-Nut

Ref. No.	Part No.	Qty.	Description



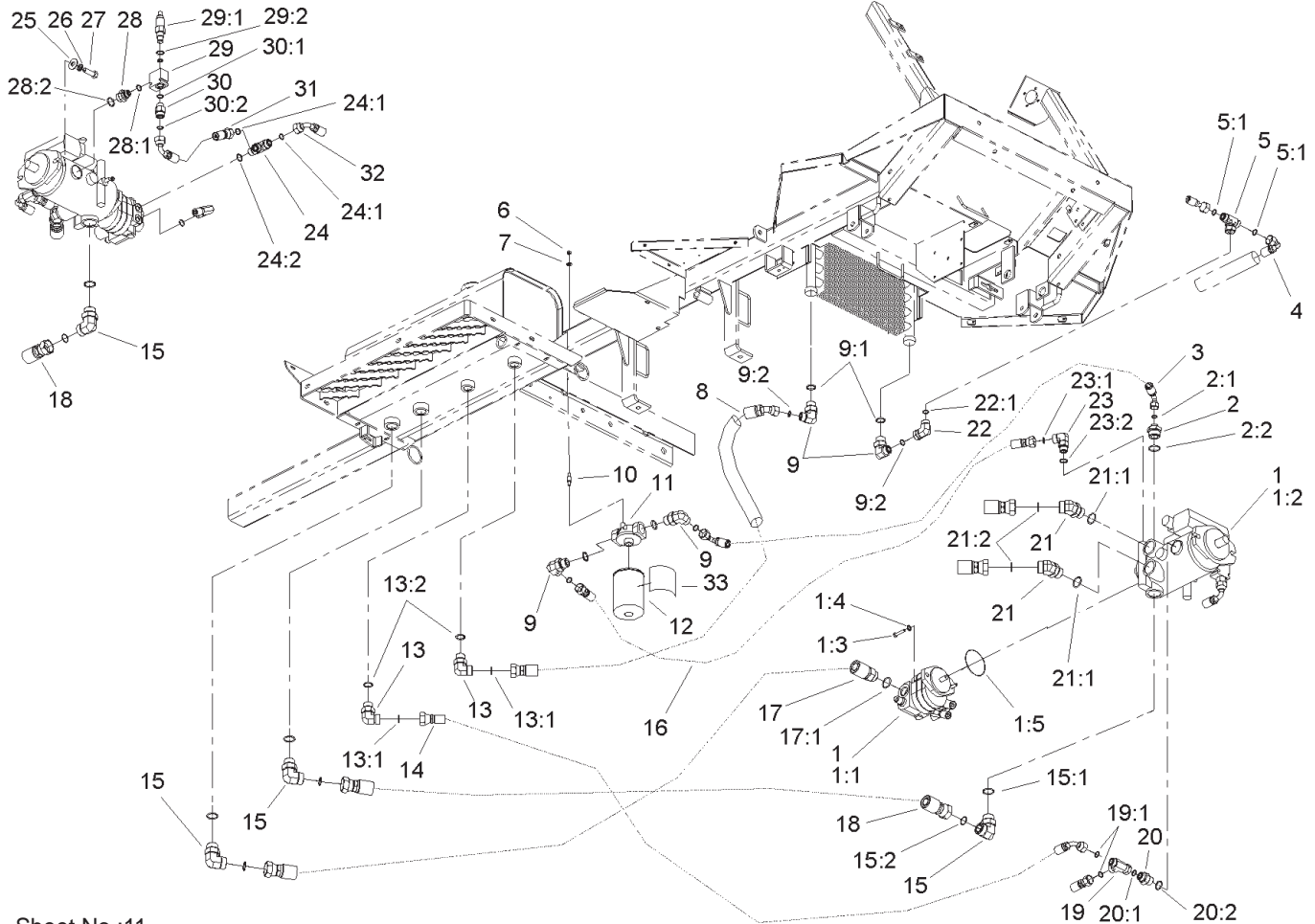
Sheet No.:A8

Dash Panel Assembly No. 104-9105

Ref. No.	Part No.	Qty.	Description
2	41176	1	Decal-Ignition, Switch
3	65-3090	1	Decal-Instruction
4	94-7171	1	Decal-Headlight
5	94-7172	1	Decal-Instruction, Parking Brake
6	104-9129	1	Decal-Traction Pedal
7	95-2136	1	Decal

Ref. No.	Part No.	Qty.	Description

3329-937A

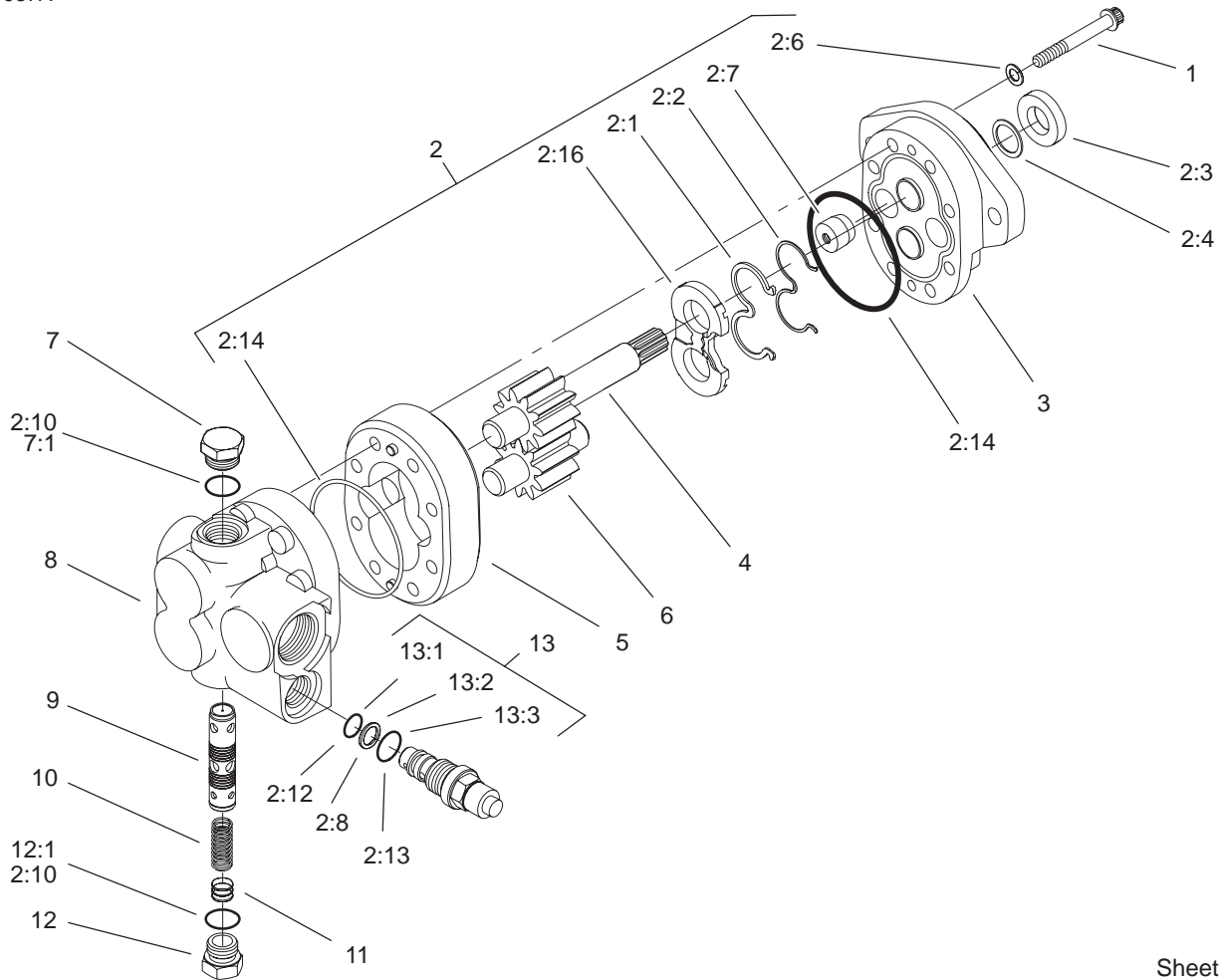


Sheet No.:11

Hydraulic Pump Assembly

Ref. No.	Part No.	Qty.	Description
1	93-6490	1	Pump ASM
1:1	93-6492	1	Gear Pump ASM
1:2	93-6491	1	Piston Pump ASM
1:3	323-7	2	Screw-HH
1:4	60-3540	2	Washer
1:5	60-3520	1	O-Ring
2	104-9178	1	Fitting-Straight
2:1	237-30	1	O-Ring
2:2	237-146	1	O-Ring
3	104-9191	1	Hose ASM
4	104-9184	1	Hose ASM
5	340-167	1	Fitting-HYD, Tee
5:1	237-65	2	O-Ring
6	3217-5	2	Nut-Hex
7	3256-22	2	Washer-Flat
8	104-9189	1	Hose ASM
9	340-139	4	Fitting-HYD, 90°
9:1	237-81	1	O-Ring
9:2	237-65	1	O-Ring
10	94-7188	2	Mount-Isolation, Filter
11	92-5821	1	Filter Head ASM
12	86-3010	2	Filter-Oil
13	340-142	2	Fitting-HYD, 90°
13:1	237-58	1	O-Ring
13:2	237-81	1	O-Ring
14	104-9199	1	Hose ASM

Ref. No.	Part No.	Qty.	Description
15	340-129	3	Fitting-HYD, 90°
15:1	237-146	1	O-Ring
15:2	340-65	1	O-Ring
16	104-9192	1	Hose ASM
17	104-9194	1	Hose ASM
17:1	237-146	1	O-Ring
18	104-9190	1	Hose ASM
19	340-147	1	Fitting-HYD, Tee
19:1	237-65	2	O-Ring
20	340-8	1	Adapter
20:1	237-65	1	O-Ring
20:2	237-81	1	O-Ring
21	104-3509	2	Fitting-HYD, 45°
21:1	237-146	1	O-Ring
21:2	340-65	1	O-Ring
22	340-160	1	Fitting-HYD, 90°
22:1	237-65	1	O-Ring
23	340-17	1	Fitting-HYD, 90°
23:1	237-65	1	O-Ring
23:2	237-80	1	O-Ring
24	340-22	1	Adapter
24:1	237-65	2	O-Ring
24:2	237-80	1	O-Ring
25	3256-6	2	Washer-Flat
26	3253-7	2	Washer-Lock
27	325-6	2	Screw-HH



T-3963
Sheet No.:A9

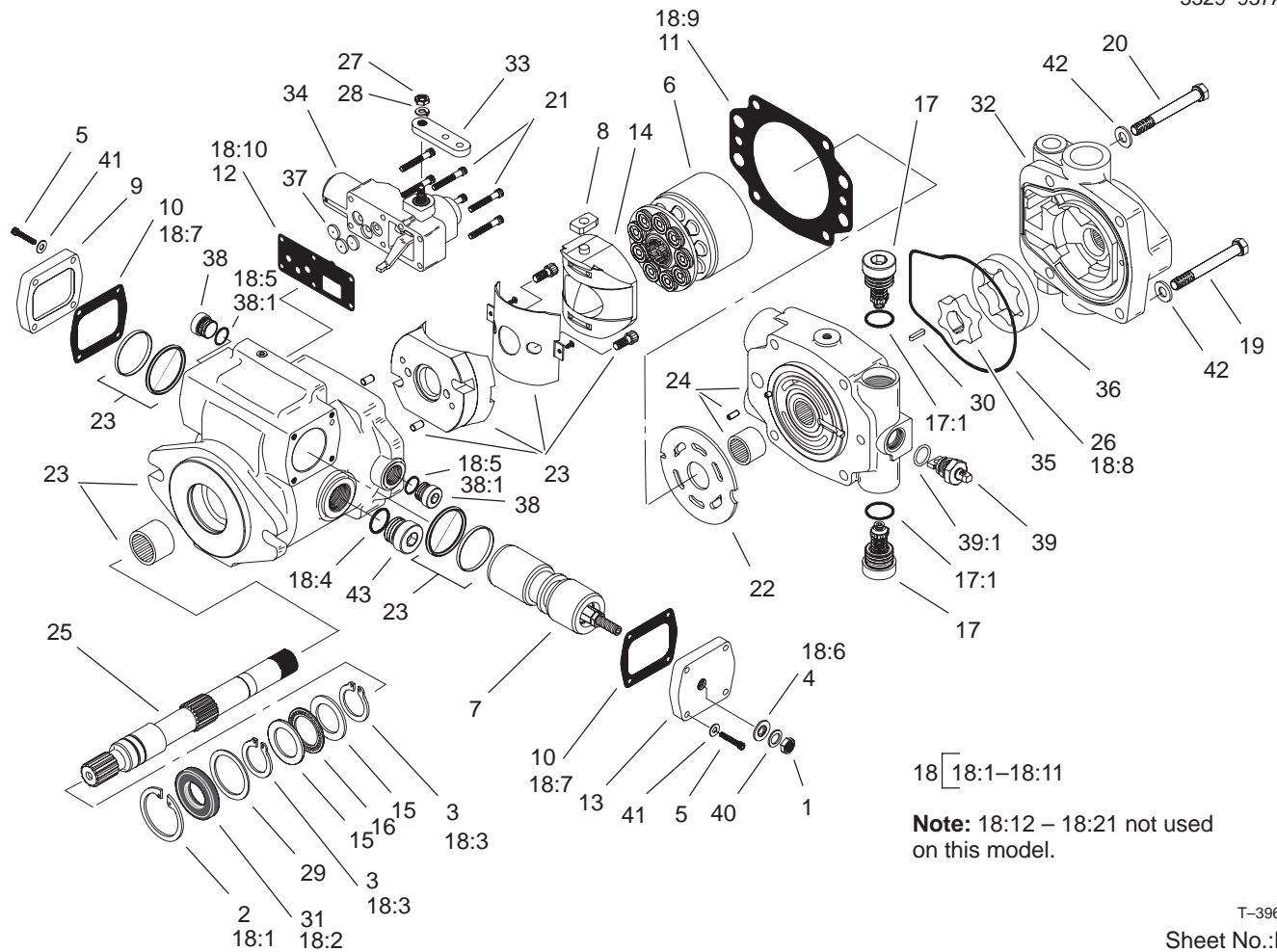
Gear Pump Assembly No. 93-6492

Ref. No.	Part No.	Qty.	Description
1	74-9370	8	Capscrew
2	99-8594	1	Seal Kit
2:1	95-4367	1	Gasket
2:2	95-4369	1	Seal
2:3	49-2640	1	Seal-Shaft
2:4	60-5890	1	Washer
2:6	94-8160	4	Washer
2:7	94-3011	1	Plug
2:8	92-9256	1	Washer-Backup
*☆2:9		1	O-Ring
2:10	60-5720	2	O-Ring
*☆2:11		1	O-Ring
2:12	92-9255	1	O-Ring
2:13	92-9254	1	O-Ring
2:14	56-6710	2	O-Ring
2:16	95-4368	1	Plate-Wear
3	95-4362	1	Plate-Front
☆4		1	Gear-Drive
☆5		1	Body
☆6		1	Gear-Idler
7	60-5860	1	Plug
7:1	60-5720	1	O-Ring
8	93-6377	1	Backplate ASM
9	93-6420	1	Spool
10	88-3770	1	Spring
11	60-5730	1	Disc

Ref. No.	Part No.	Qty.	Description
12	60-5710	1	Plug
12:1	60-5720	1	O-Ring
13	74-9000	1	Relief Valve ASM
13:1	92-9255	1	O-Ring
13:2	92-9256	1	Washer-Backup
13:3	92-9254	1	O-Ring

☆ Not serviced separately

* Not illustrated



18 18:1-18:11

Note: 18:12 – 18:21 not used on this model.

T-3964

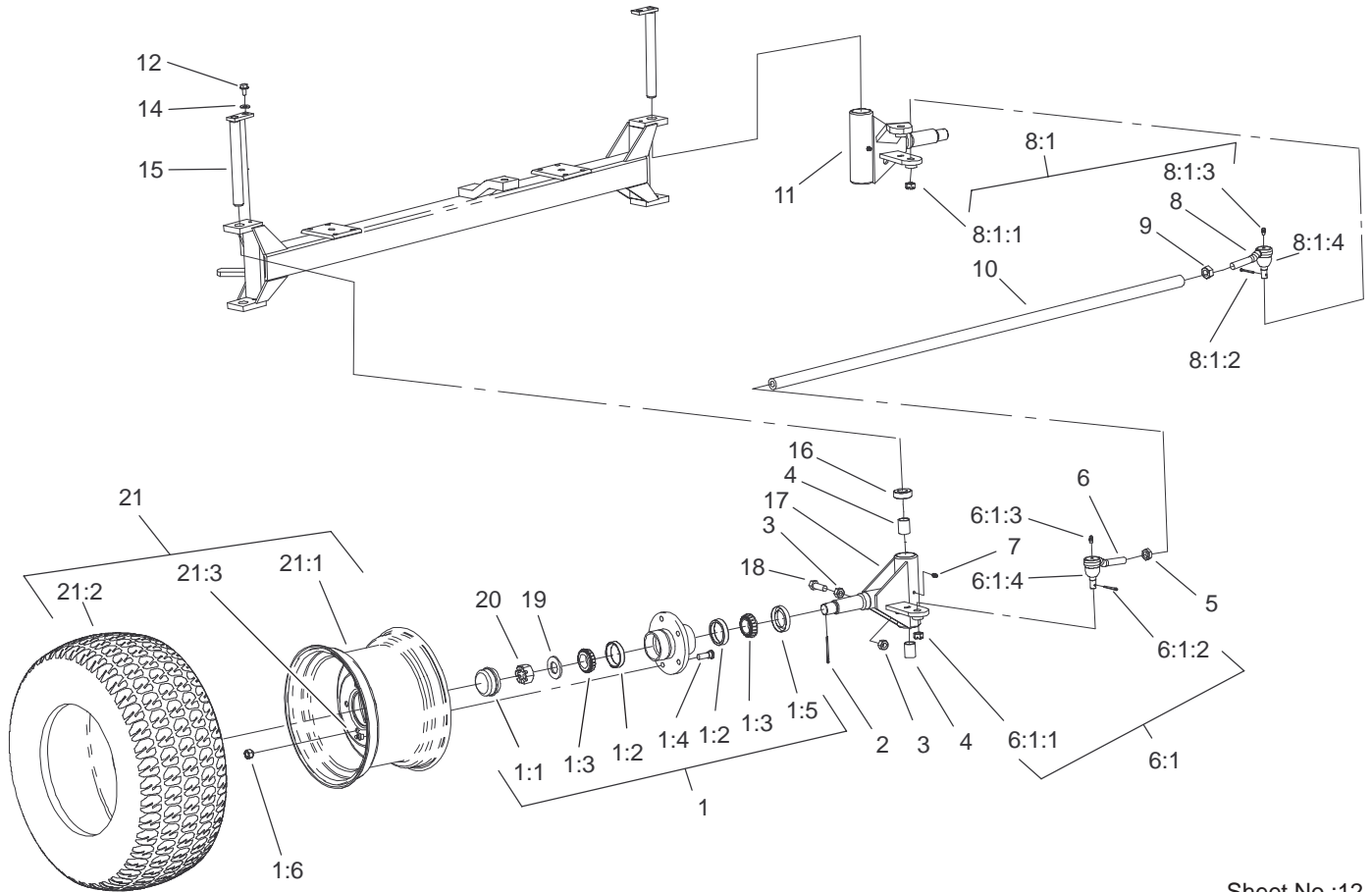
Sheet No.:B1

Piston Pump Assembly No. 93-6491

Ref. No.	Part No.	Qty.	Description
1	3220-3	1	Nut-Jam
5	93-6337	8	Screw
6	93-6322	1	Rotating Kit
7	105-2856	1	Servo Piston ASM
8	94-3032	1	Follower-Piston
9	94-3033	1	Plate-Cover
13	105-9853	1	Plate-Cover
14	94-3026	1	Camplate ASM
15	76-6950	2	Race-Thrust
16	76-6960	1	Bearing-Thrust
17	105-2858	2	Valve-Relief
☆17:1		1	O-Ring
18	107-1561	1	Seal Kit
18:1	60-6260	1	Ring
18:2	105-3331	1	Seal-Shaft
18:3	76-7000	2	Ring-Retaining
☆18:4		2	O-Ring
18:5	93-6314	2	O Ring
18:6	94-3027	1	Washer-Seal
18:7	93-6339	2	Gasket
18:8	93-6376	1	O Ring
18:9	105-2900	1	Gasket-Housing
18:10	105-2901	1	Gasket-Housing, Control
☆18:11		2	Seal ASM
18:12	74-9380	1	O-Ring

Ref. No.	Part No.	Qty.	Description
19	323-15	2	Screw-HH
20	323-16	2	Screw-HH
21	93-6324	6	Screw
22	93-6370	1	Plate-Valve
☆23		1	Housing
24	105-2904	1	Backplate
25	93-6344	1	Driveshaft
27	3217-5	1	Nut-Hex
28	3253-3	1	Washer-Lock
29	94-3007	1	Washer
30	93-6375	1	Key
32	95-2110	1	Adaptor ASM
33	105-2862	1	Arm-Control
34	93-6306	1	Control ASM
35	93-6365	1	Geroter-Inner
36	93-6364	1	Geroter-Outer
37	94-3041	3	Orifice-Control
38	74-9280	2	Plug ASM
☆38:1		1	O-Ring
39	105-2913	1	Valve-Bypass
☆39:1		1	O-Ring
40	94-3030	1	Washer
41	93-6336	8	Washer
42	3256-24	4	Washer-Flat
☆43		1	Plug ASM

☆ Not serviced separately



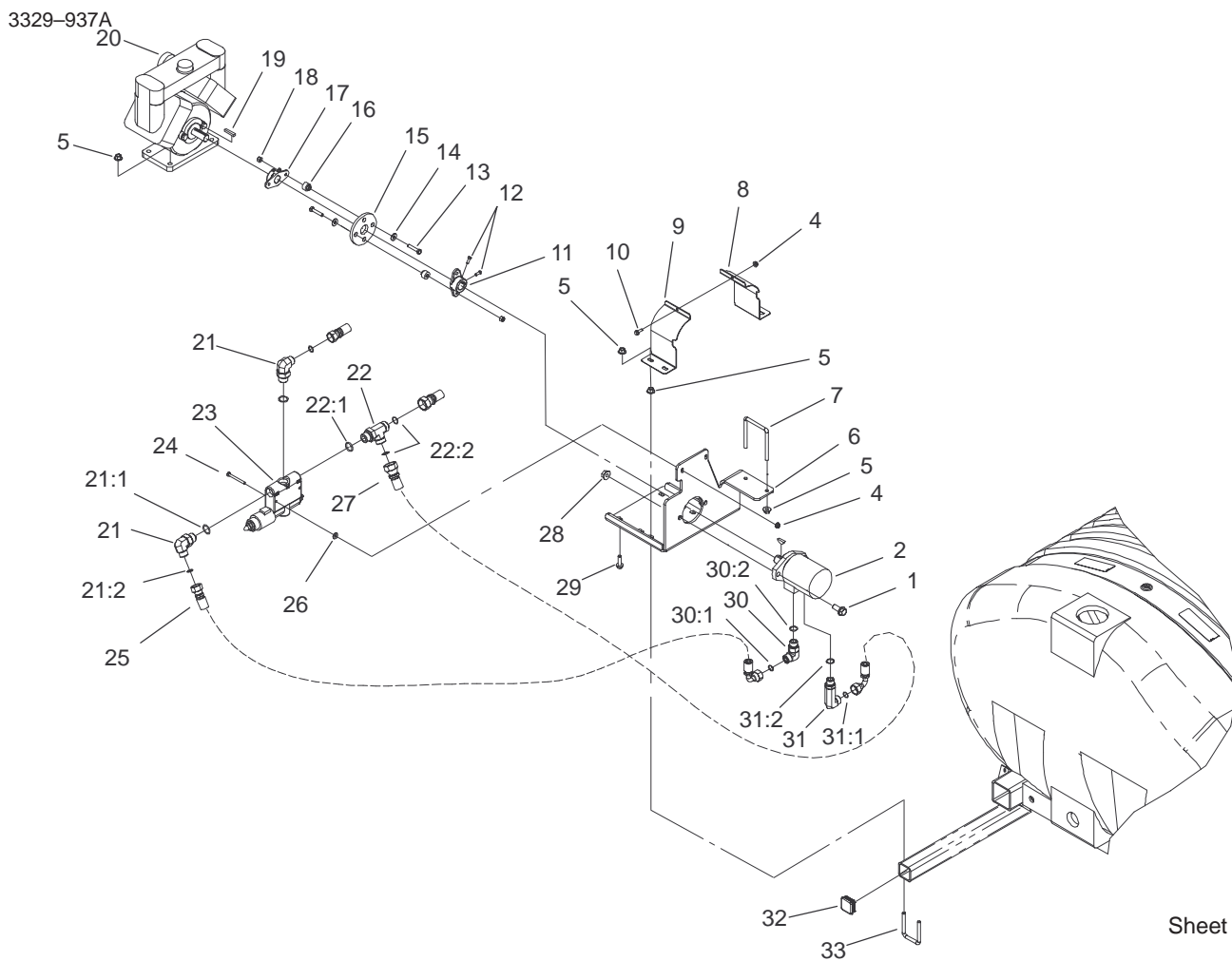
Sheet No.:12

Front Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	94-7148	2	Hub ASM
1:1	94-7282	1	Cap-Dust
1:2	254-61	2	Bearing-Cup
1:3	94-7283	2	Bearing-Cone
1:4	95-9383	5	Stud
1:5	94-7285	2	Seal
1:6	242-35	5	Nut-Wheel
2	3272-15	2	Pin-Cotter
3	3217-9	4	Nut-Hex
4	93-6586	4	Bushing
5	3220-11	1	Nut-Jam
6	87-1480	1	RH Tie Rod End ASM
6:1	87-5340	1	Tie Rod Seal Kit
6:1:1	32136-3	1	Nut
6:1:2	3272-12	1	Pin-Cotter
6:1:3	302-5	1	Fitting-Grease
☆6:1:4		1	Seal
7	302-5	2	Fitting-Grease
8	87-1470	1	LH Tie Rod End ASM
8:1	87-5340	1	Tie Rod Seal Kit
8:1:1	32136-3	1	Nut
8:1:2	3272-12	1	Pin-Cotter
8:1:3	302-5	1	Fitting-Grease
☆8:1:4		1	Seal
9	3218-21	1	Nut-Jam
10	93-6588	1	Rod-Steering

Ref. No.	Part No.	Qty.	Description
11	93-6577-03	1	LH Spindle ASM
12	32144-14	2	Screw-HWH
14	3256-3	2	Washer-Flat
15	93-6584	2	King Pin ASM
16	93-6587	2	Bearing
17	93-6582-03	1	RH Spindle ASM
18	325-6	2	Screw-HH
19	3256-62	2	Washer-Flat
20	32136-11	2	Nut-Hex, Slot
21	42329	2	Tire And Wheel ASM
21:1	41169	1	Wheel
21:2	87-3290	1	Tire
21:3	232-27	1	Stem-Valve

☆ Not serviced separately

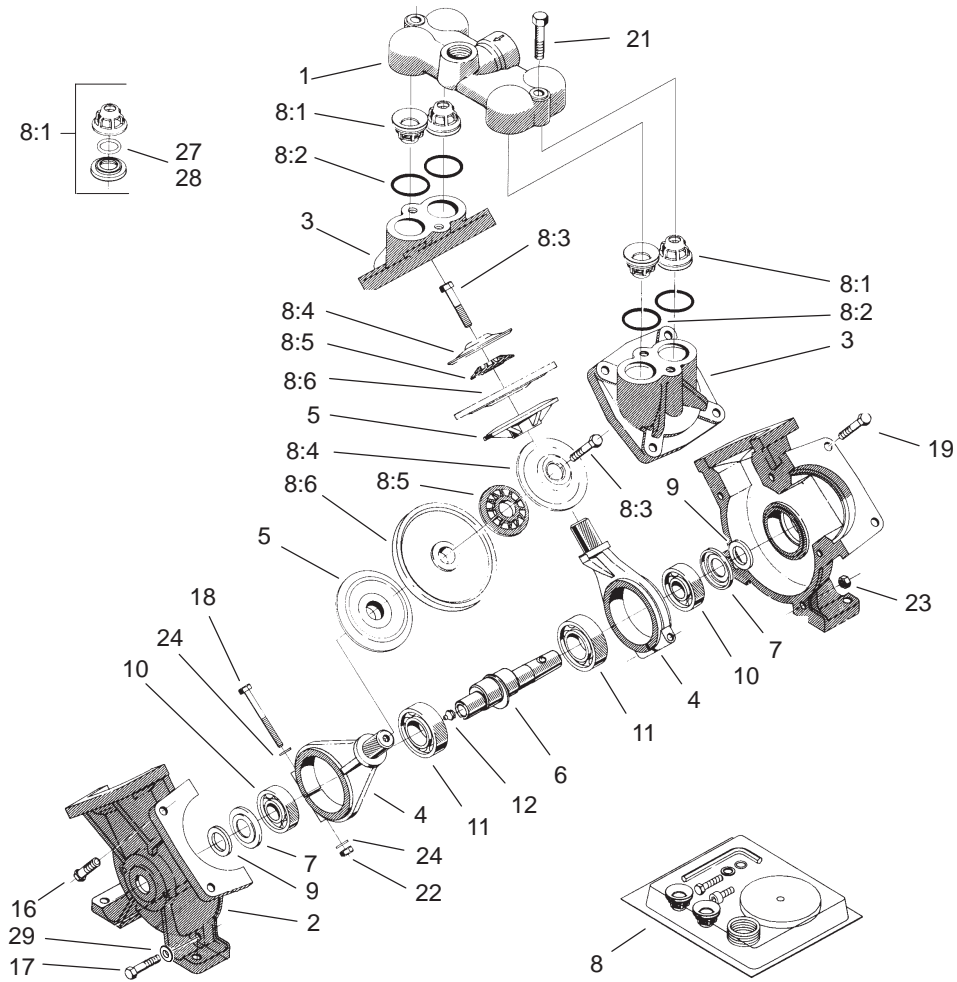


Sheet No.:13

Pump Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	3234-32	2	Screw-HHF
2	104-9099	1	Pump-Spray, Motor
4	32128-33	3	Nut-HF
5	32128-43	14	Nut-Flange
6	106-1219-03	1	Pump Bracket ASM
7	100-7067	1	U-Bolt
8	104-9080-03	1	Plate-Guard, Front
9	104-9081-03	1	Plate-Guard, Rear
10	3234-4	1	Screw-HHF
11	27-1960	1	Hub-Engine
12	3241-5	4	Screw-Set
13	322-8	4	Screw-HH
14	3256-3	4	Washer-Flat
15	100-8471	1	Coupling-Rubber
16	27-6590	4	Spacer-Coupling, Rubber
17	93-2589	1	Hub-Pump
18	3296-29	4	Nut-Lock, NI
19	67-7490	1	Key-Square
20	106-5121	1	Pump
21	340-139	2	Fitting-HYD, 90°
21:1	237-81	1	O-Ring
21:2	237-65	1	O-Ring
22	340-148	1	Fitting-Tee
22:1	237-81	1	O-Ring
22:2	237-58	2	O-Ring

Ref. No.	Part No.	Qty.	Description
23	104-9110	1	Valve-Pwm
24	321-15	2	Screw-HH
25	104-9181	1	Hose ASM
26	3256-2	2	Washer-Flat
27	104-9179	1	Hose ASM
28	32128-49	2	Nut-HHF
29	3234-24	4	Screw-HHF
30	340-17	1	Fitting-HYD, 90°
30:1	237-65	1	O-Ring
30:2	237-80	1	O-Ring
31	104-9074	1	Fitting-Elbow, 90°
31:1	237-65	1	O-Ring
31:2	237-80	1	O-Ring
32	95-9495	1	Cap
33	104-9082	2	"u" Bolt

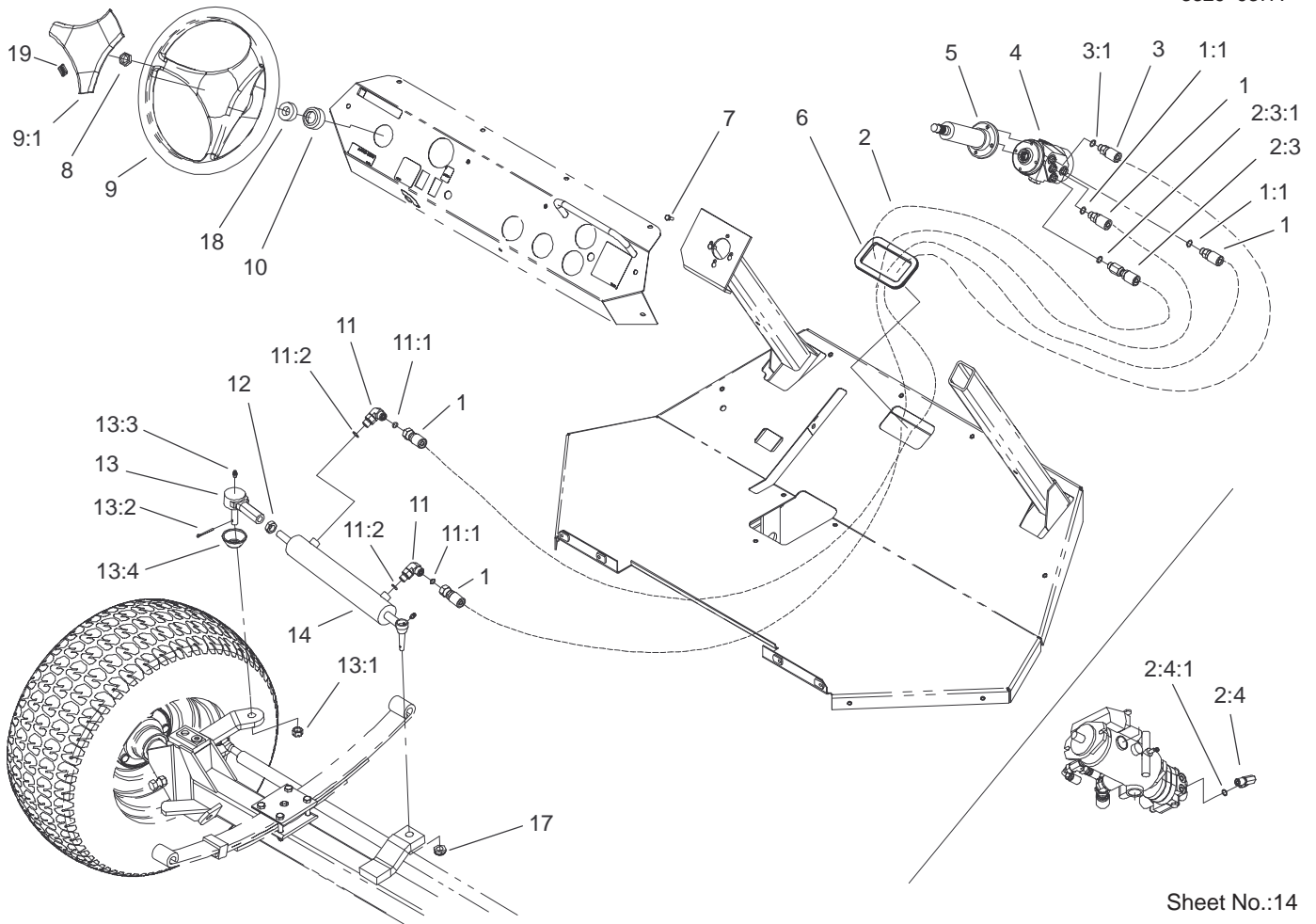


T-3951
Sheet No.:B4

Pump Assembly No. 106-5121

Ref. No.	Part No.	Qty.	Description
1	106-5139	1	Cover-Valve
2	106-5140	2	Housing-Pump
3	106-5141	2	Cover-Diaphragm
4	106-5142	2	Rod-Connecting
5	100-8314	2	Disc-Back, Diaphragm
6	104-9052	1	Crankshaft-Keyed
7	100-8325	2	Plate-Dust
8	106-5150	1	Repair Kit
8:1	100-8307	4	Valve
8:2	100-6652	4	Gasket
8:3	106-5147	2	Bolt
8:4	100-8311	2	Washer
8:5	100-8312	2	Washer-Nylon
8:6	100-8313	2	Diaphragm
9	99-0868	2	Felt-Seal
10	100-8327	2	Bearing-Ball
11	100-8329	2	Bearing-Ball
12	99-0873	1	Fitting-Grease
16	106-5143	3	Bolt
17	106-5144	2	Bolt
18	106-5145	2	Bolt
19	106-5146	8	Bolt
21	106-5148	2	Bolt
22	100-8326	2	Nut-Hex
23	106-5149	5	Nut
24	100-8316	4	Washer-Lock

Ref. No.	Part No.	Qty.	Description
27	100-8336	4	O-Ring
28	106-5138	4	O-Ring
29	106-5137	2	Washer

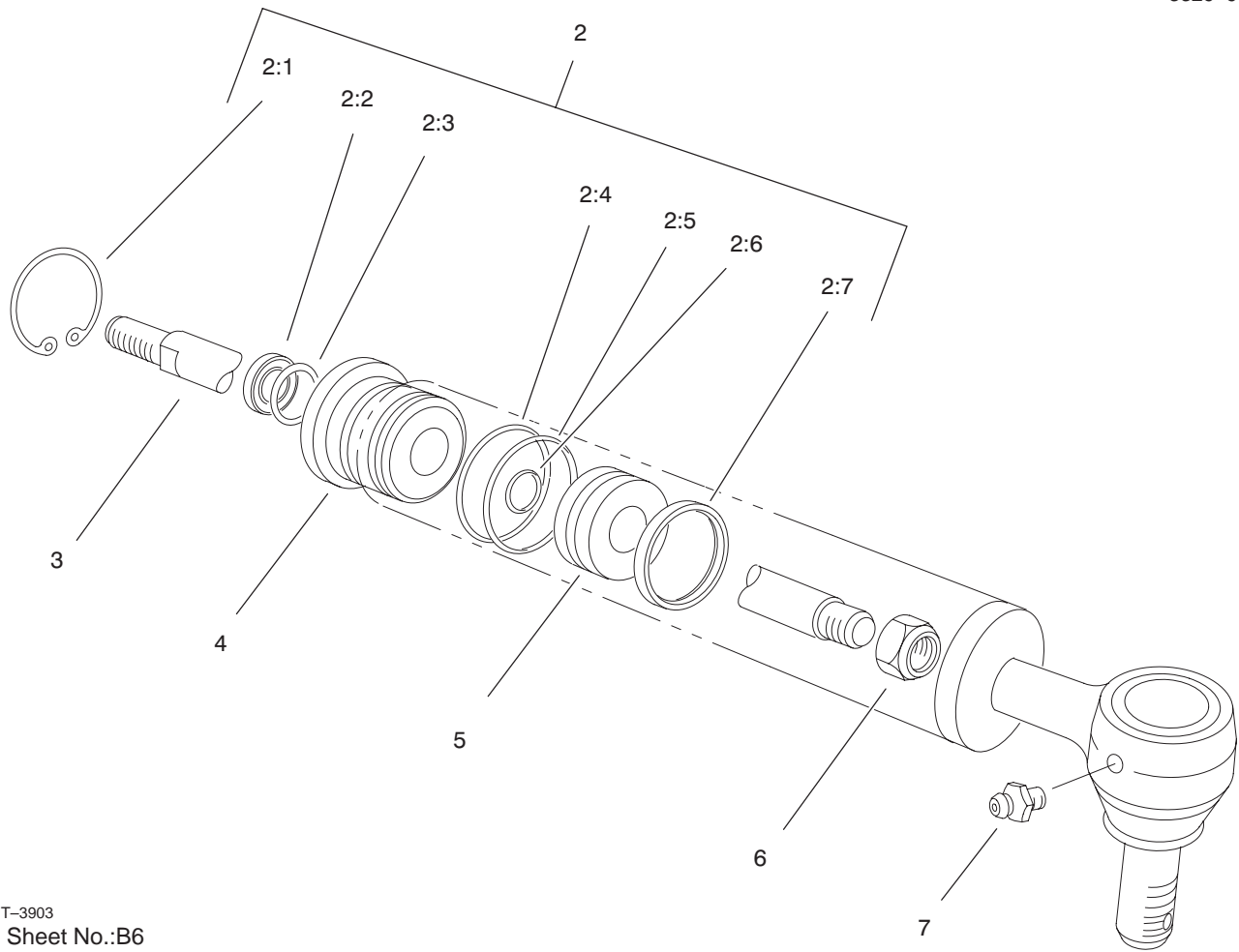


Sheet No.:14

Steering Assembly

Ref. No.	Part No.	Qty.	Description
1	104-9188	2	Hose ASM
1:1	237-42	1	O-Ring
2	104-9185	1	Hose ASM
2:3	106-4916	1	Fitting-Hose, Straight
2:3:1	237-42	1	O-Ring
2:4	106-4917	1	Fitting-HYD, 90 Male
2:4:1	237-79	1	O-Ring
3	104-9186	1	Hose ASM
3:1	237-42	1	O-Ring
4	92-3502	1	Steering Control ASM
5	94-8792	1	Column-Steering
6	95-2193	1	Trim
7	33113-016	4	Screw-HH
8	92-3513	1	Nut
9	98-1471	1	Wheel-Steering
9:1	98-1468	1	Cover-Wheel, Steering
10	93-5439	1	Seal-Steering
11	340-77	2	Fitting-HYD, 90°
11:1	237-22	1	O-Ring
11:2	237-42	1	O-Ring
12	3220-11	1	Nut-Jam
13	93-6509	1	Tie Rod End ASM
13:1	32136-3	1	Nut
13:2	3272-12	1	Pin-Cotter
13:3	302-5	1	Fitting-Grease

Ref. No.	Part No.	Qty.	Description
13:4	106-4901	1	Seal-Rod End
14	93-6510	1	Cylinder
17	3296-57	1	Nut-Lock, NI
18	21-9260	1	Cover-Dust
19	98-1459	1	Decal



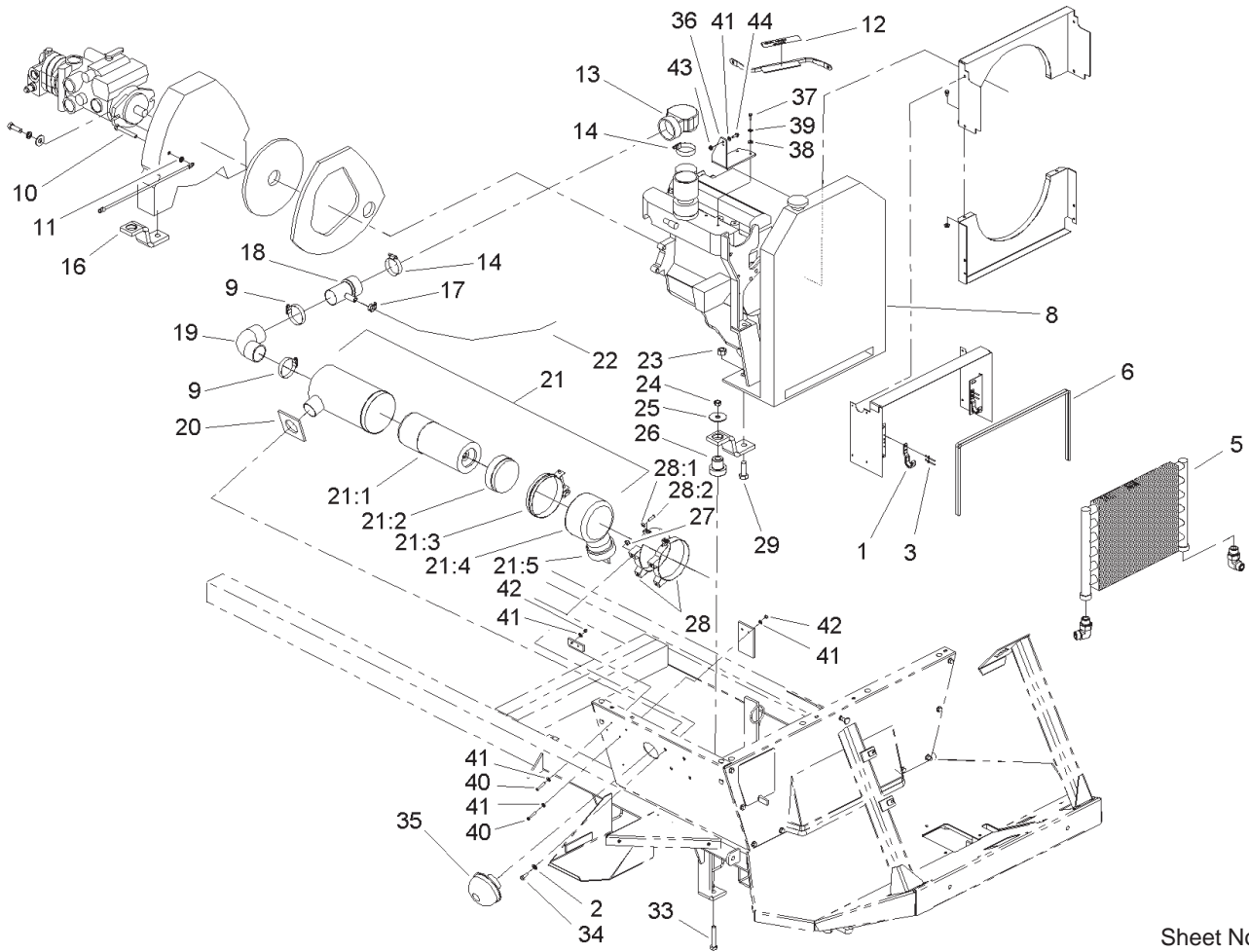
T-3903
Sheet No.:B6

Hydraulic Cylinder Assembly No. 93-6510

Ref. No.	Part No.	Qty.	Description
2	92-3992	1	Repair Kit
☆2:1		1	Ring-Retaining
☆2:2		1	Seal-Dust
☆2:3		1	Seal-Rod
☆2:4		1	Ring-Backup
☆2:5		1	O-Ring
☆2:6		1	O-Ring
☆2:7		1	Uniring
☆3		1	Shaft
☆4		1	Head
☆5		1	Piston
☆6		1	Nut
7	302-5	1	Fitting-Grease

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



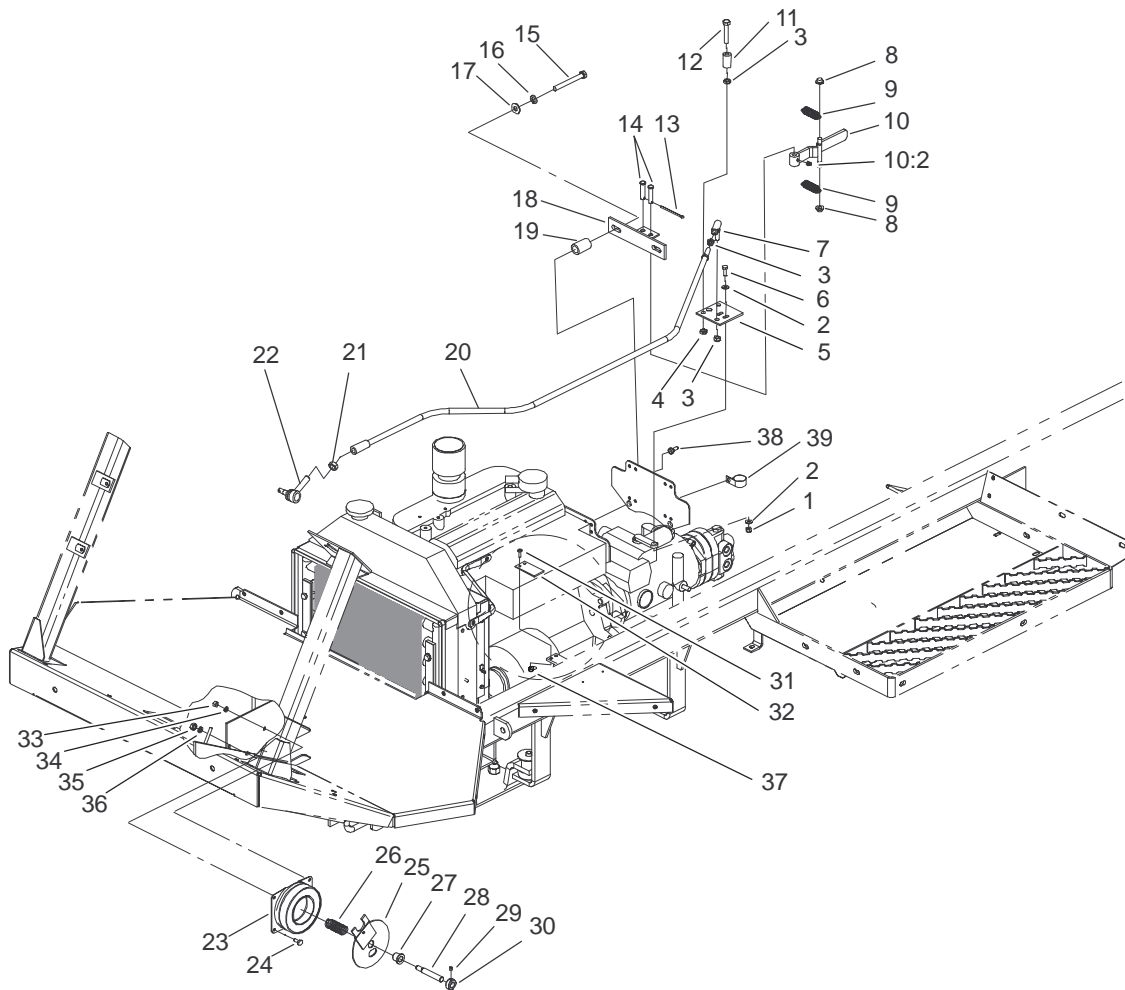
Sheet No.:15

Engine, Oil Cooler and Air Cleaner Assembly

Ref. No.	Part No.	Qty.	Description
1	75-0930	2	Hook-Mount, Cooler
2	3256-23	4	Washer-Flat
3	3269-15	4	Rivet
5	94-7007	1	Oil Cooler ASM
6	42656	1	Trim-Shroud
☆8		1	Engine-Ford, 1.3 Liter (Vsg-4131-6007-Z)
9	2412-130	2	Clamp-Hose
10	33115-080	1	Screw-HH
11	3255-9	1	Washer-Lock, Ext
12	54-0890	1	Decal-Rotating
13	42621	1	Elbow-Carb, Inlet Reducer
14	2412-125	2	Clamp-Hose
16	94-7010-03	4	Bracket-Engine Mount
17	2412-119	2	Clamp-Worm
18	95-2169-03	1	Tube ASM
19	41908	1	Elbow-Hose
20	94-7280	1	Seal-Foam, Air Cleaner
21	41904	1	Air Cleaner ASM
21:1	106-4904	1	Element-Air Cleaner
21:2	27-7140	1	Skirt-Baffle
21:3	27-7130	1	Clamp ASM
21:4	106-4907	1	Cup-Air Cleaner
21:5	71-3570	1	Valve-Vacuator

Ref. No.	Part No.	Qty.	Description
22	95-2171	1	Hose
23	32153-15	4	Locknut
24	32153-5	4	Nut-Lock
25	41985	4	Special-Washer
26	41782	4	Mount-Motor
27	3217-6	4	Nut-Hex
28	27-7170	2	Mounting Band ASM
28:1	32107-11	2	Nut-Square
28:2	3258-19	2	Screw
29	327-5	4	Screw-HH
33	325-12	4	Screw-HH
34	322-3	4	Screw-HH
35	27-7180	1	Cap ASM
36	42653-03	1	Bracket-Throttle Cable
37	33113-016	2	Screw-HH
38	3256-22	2	Washer-Flat
39	3253-3	2	Washer-Lock
40	3290-360	5	Screw-HH
41	3256-14	11	Washer-Flat
42	3296-2	5	Nut-Lock
43	3290-148	3	Nut-HF
44	32105-13	1	Screw-SHH

☆ Not serviced separately

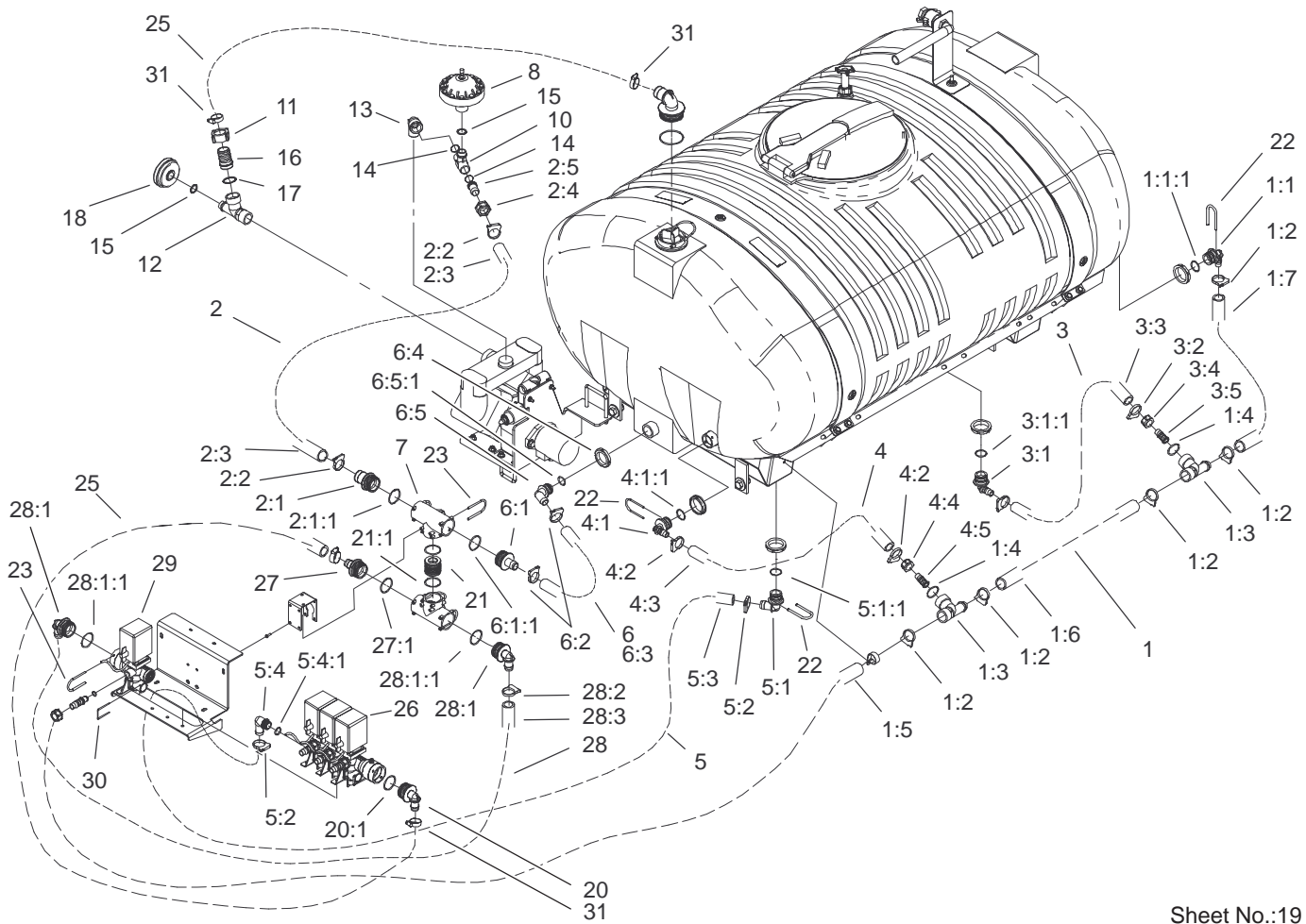


Sheet No.:16

Drive Linkage Assembly

Ref. No.	Part No.	Qty.	Description
1	32146-17	2	Nut-Lock
2	3256-22	4	Washer-Flat
3	3220-3	5	Nut-Jam
4	32153-11	1	Nut-Lock
5	92-0454-03	1	Plate-Control
6	321-5	2	Screw-HH
7	94-7572	1	End-RH Tie Rod
8	92-0465	4	Cap-Spring Retainer
9	92-0417	2	Spring-Ext
10	92-0460	2	Arm ASM
10:2	302-5	1	Fitting-Grease
11	92-0455	2	Bearing
12	3211-9	2	Screw-HH
13	3272-53	1	Pin-Cotter
14	283-15	2	Pin-Clevis
15	33115-090	2	Screw-HH
16	3253-6	2	Washer-Lock
17	3256-4	2	Washer-Flat
18	92-0457-03	1	Mounting Bracket ASM
19	92-0466	2	Tube-Spacer
20	94-7005-03	1	Control Linkage ASM
21	3220-5	1	Nut-Jam
22	21-0141	1	RH Ball Joint ASM
23	42-1720	1	Field Core Coil ASM
24	321-3	4	Screw-HH
25	43-6110-03	1	Plate-Clutch

Ref. No.	Part No.	Qty.	Description
26	43-6200	1	Spring-Compression
27	256-273	1	Bushing-Flange
28	69-9170	1	Shaft-Cruise
29	3245-32	1	Screw-HS
30	43-6320	1	Collar
31	3290-500	2	Screw-PPH
32	92-0453	1	Guide-Bearing
33	3217-5	4	Nut-Hex
34	3253-3	4	Washer-Lock
35	3217-7	1	Nut-Hex
36	3253-5	1	Washer-Lock
37	3290-148	2	Nut-HF
38	42618	11	Cap
39	2412-104	1	R-Clamp



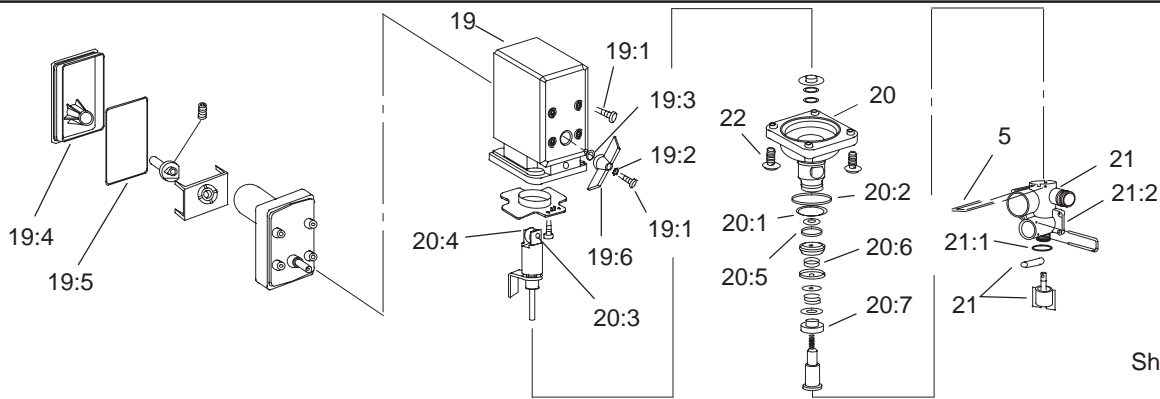
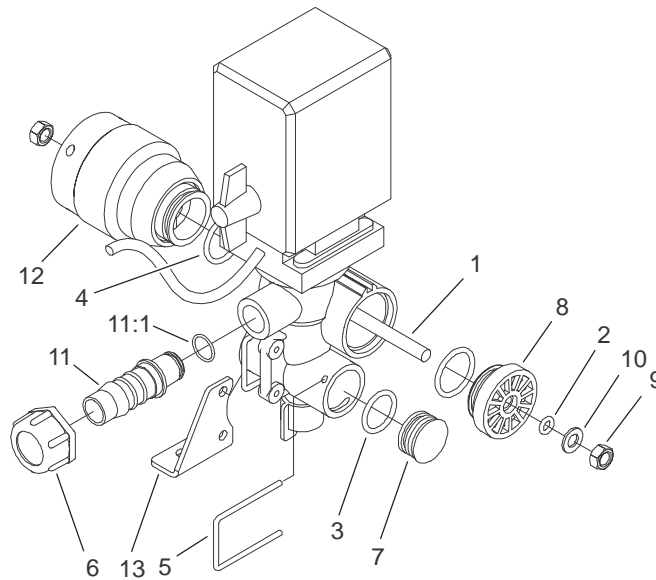
Sheet No.:19

External Sprayer Component Assembly

Ref. No.	Part No.	Qty.	Description
☆1		1	Agitation Hose ASM
1:1	106-4940	1	Hosebarb-90°
1:1:1	100-6712	1	O-Ring
1:2	99-0755	5	Clamp-Hose
1:3	100-6984	2	Tee
1:4	100-6712	2	O-Ring
1:5	106-4971	1	Hose
1:6	106-4972	1	Hose
1:7	106-4973	1	Hose
☆2		1	Supply Hose ASM
2:1	106-4932	1	Hosebarb-Straight
2:1:1	100-8637	1	O-Ring
2:2	99-0782	2	Clamp-Hose
2:3	106-4975	1	Hose
2:4	99-0769	1	Nut
2:5	99-0781	1	Hosebarb
☆3		1	Middle Agitation Hose ASM
3:1	106-4940	1	Hosebarb-90°
3:1:1	100-6712	1	O-Ring
3:2	99-0755	2	Clamp-Hose
3:3	104-8704	1	Hose
3:4	99-0850	1	Nut
3:5	100-6717	1	Hosebarb
☆4		1	Back Agitation Hose ASM

Ref. No.	Part No.	Qty.	Description
4:1	106-4940	1	Hosebarb-90°
4:1:1	100-6712	1	O-Ring
4:2	99-0755	2	Clamp-Hose
4:3	106-4974	1	Hose
4:4	99-0850	1	Nut
4:5	100-6717	1	Hosebarb
☆5		1	Bypass Hose ASM
5:1	106-4945	1	Elbow
5:1:1	100-6712	1	O-Ring
5:2	99-0782	2	Clamp-Hose
5:3	106-4976	1	Hose
5:4	106-4948	1	Hose Barb ASM
5:4:1	100-6882	1	O-Ring
☆6		1	Relief Hose ASM
6:1	106-4932	1	Hosebarb-Straight
6:1:1	100-8637	1	O-Ring
6:2	99-0782	2	Clamp-Hose
6:3	106-4978	1	Hose
6:4	100-8678	1	Nut
6:5	106-4949	1	Hosebarb-110°
6:5:1	100-6646	1	O-Ring
7	100-6704	2	Tee
8	100-6662	1	Damper-Pressure
10	100-8699	1	Tee
11	100-8678	1	Nut
12	100-8681	1	Tee

☆ Not serviced separately

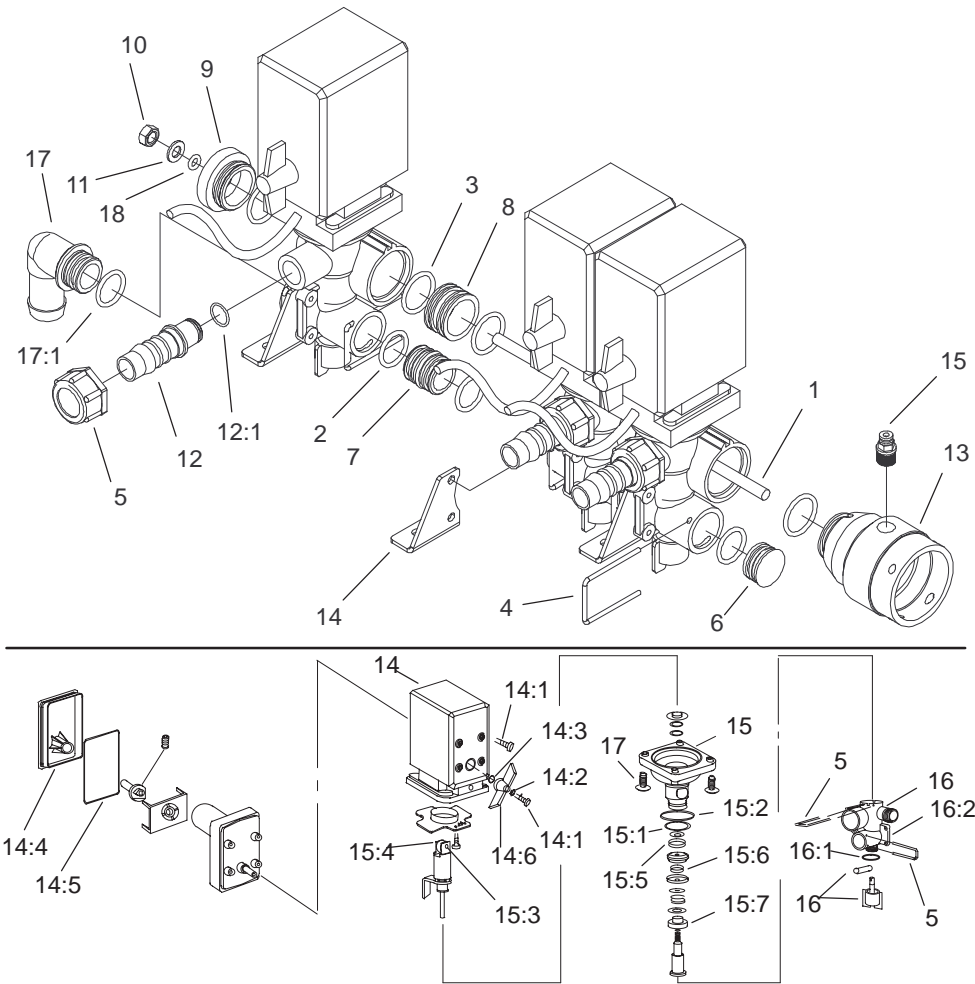


Sheet No.:B7

Valve Boom Assembly

Ref. No.	Part No.	Qty.	Description
1	106-1213	1	Rod-Spray Control
2	100-6882	4	O-Ring
3	100-6646	7	O-Ring
4	100-6885	6	Fork-Valve, Boom
5	99-0850	3	Nut
6	100-6891	1	Cap-End
7	100-6890	2	Joiner-Bypass, Boom
8	100-6896	2	Joiner-Valve, Boom
9	100-6915	1	Cover-End
10	100-6894	1	Nut
11	100-6634	1	Washer
12	106-5112	3	Hosebarb ASM
12:1	100-6645	1	O-Ring
13	106-1214	1	Connector-Control, Spray
14	100-6760	3	Bracket-Valve, Section
15	100-8674	1	Coupler-Tube
17	106-4948	1	Hose Barb ASM
17:1	100-6882	1	O-Ring
18	100-6887	1	O-Ring
19	100-6923	3	Boom Motor ASM
19:1	100-6876	3	Screw
19:2	100-6877	3	Washer-Lock
19:3	100-6880	3	O-Ring
19:4	100-6874	3	Cover-Valve, Boom

Ref. No.	Part No.	Qty.	Description
19:5	100-6912	3	Cover-Seal
19:6	100-6875	3	Handgrip-Valve, Boom
20	100-6889	3	Section- Spindle, Boom Valve
20:1	100-8653	1	O-Ring
20:2	100-6882	5	O-Ring
20:3	100-6911	1	Pin-Roller
20:4	100-6910	1	Bearing-Roller
20:5	100-6879	1	O-Ring
20:6	100-6878	1	O-Ring
20:7	100-6881	1	Cone-Stem, Boom Valve
21	100-6888	3	Manifold-Valve, Boom
21:1	100-6887	1	O-Ring
21:2	106-5151	1	Manifold-Lower
22	100-6917	12	Screw-Plastic

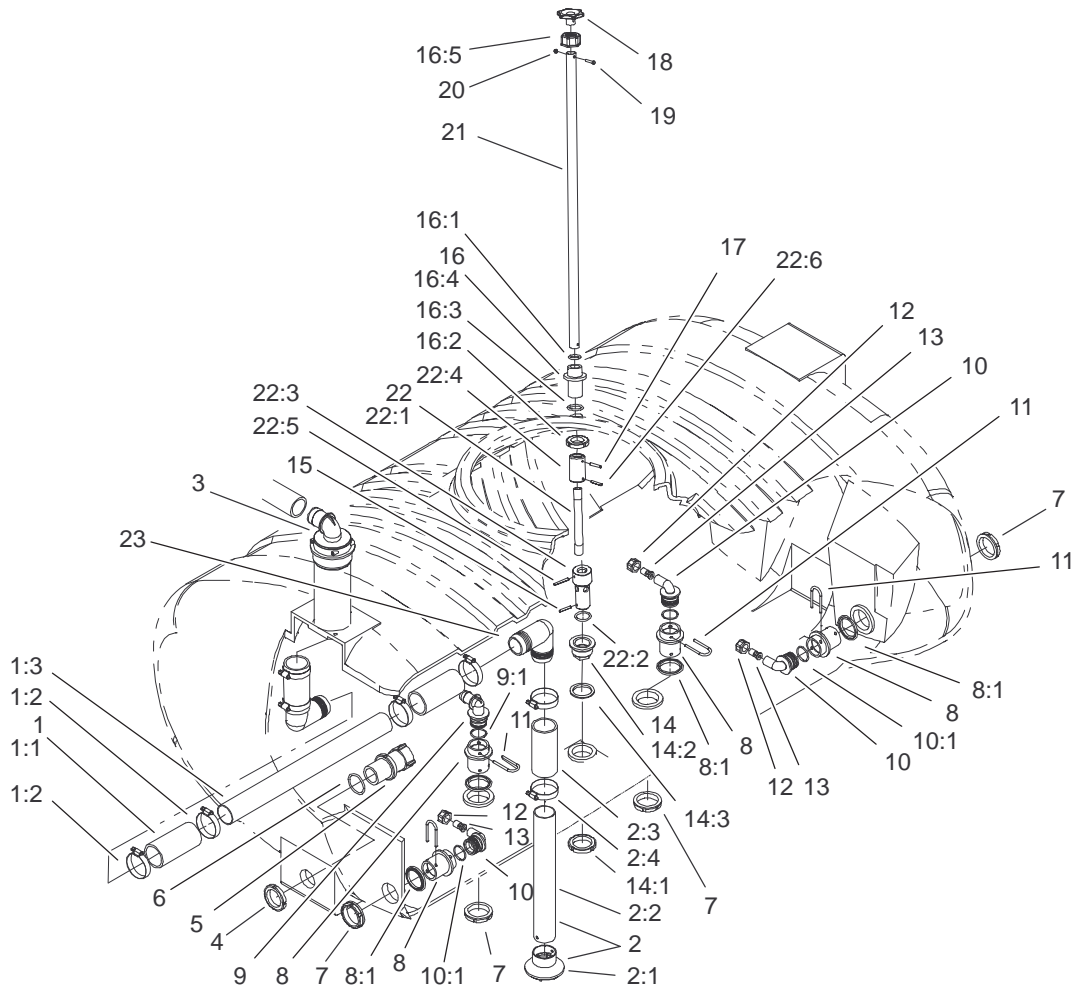


Sheet No.:B8

Valve Agitation Assembly

Ref. No.	Part No.	Qty.	Description
1	104-8907	1	Rod-Manifold
2	100-6887	1	O-Ring
3	100-6882	2	O-Ring
4	100-6646	2	O-Ring
5	100-6885	2	Fork-Valve, Boom
6	99-0850	1	Nut
7	100-6891	2	Cap-End
8	100-6915	1	Cover-End
9	100-6894	1	Nut
10	100-6634	1	Washer
11	106-5112	1	Hosebarb ASM
11:1	100-6645	1	O-Ring
12	106-1214	1	Connector-Control, Spray
13	100-6760	1	Bracket-Valve, Section
14	100-6923	1	Boom Motor ASM
14:1	100-6876	3	Screw
14:2	100-6877	3	Washer-Lock
14:3	100-6880	3	O-Ring
14:4	100-6874	3	Cover-Valve, Boom
14:5	100-6912	3	Cover-Seal
14:6	100-6875	3	Handgrip-Valve, Boom
15	100-6889	1	Section- Spindle, Boom Valve
15:1	100-8653	1	O-Ring

Ref. No.	Part No.	Qty.	Description
15:2	100-6882	5	O-Ring
15:3	100-6911	1	Pin-Roller
15:4	100-6910	1	Bearing-Roller
15:5	100-6879	1	O-Ring
15:6	100-6878	1	O-Ring
15:7	100-6881	1	Cone-Stem, Boom Valve
16	100-6888	1	Manifold-Valve, Boom
16:1	100-6887	1	O-Ring
16:2	106-5151	1	Manifold-Lower
17	100-6917	4	Screw-Plastic



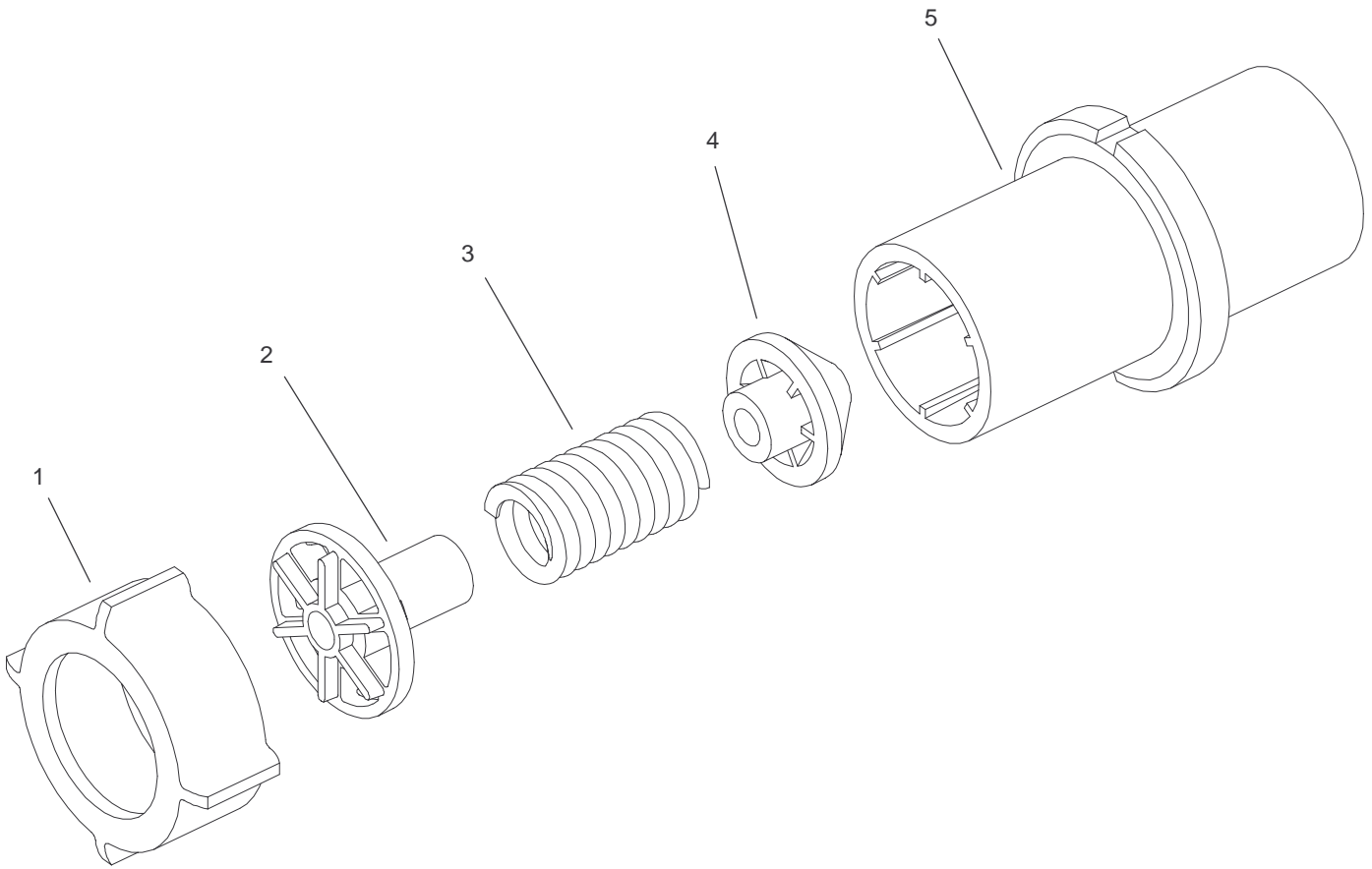
Sheet No.:20

Internal Sprayer Component Assembly

Ref. No.	Part No.	Qty.	Description
1	104-9150	1	Tube-Suction ASM, Middle
1:1	100-8649	2	Hose-Suction
1:2	26392	4	Clamp-Hose
1:3	106-1215	1	Tube-Suction
2	104-9151	1	Tube-Suction ASM, Lower
2:1	100-6714	1	Foot-Suction Tube
2:2	106-1216	1	Tube-Suction
2:3	100-8649	1	Hose-Suction
2:4	26392	2	Clamp-Hose
3	104-9154	1	Filter ASM
4	99-0761	1	Ringnut
5	100-6820	1	Valve-Safety, 225 Psi
6	100-6652	1	Gasket
7	100-6713	4	Nut-Bulkhead
8	106-4896	4	Fitting-Bulkhead
8:1	100-6710	1	Gasket-Bulkhead
9	106-4945	1	Elbow
9:1	100-6712	1	O-Ring
10	106-4944	3	Fitting-90°
10:1	100-6712	1	O-Ring
11	100-6708	4	Fork
12	99-0766	3	Nut
13	106-1218	3	Nozzle

Ref. No.	Part No.	Qty.	Description
☆14		1	Lower Bulkhead ASM
14:1	99-0761	1	Ringnut
14:2	100-8664	1	Fitting-Bulkhead
14:3	100-8659	1	Gasket
15	100-8663	1	Pin
☆16		1	Upper Bulkhead Fitting ASM
16:1	100-6643	1	O-Ring
16:2	99-0758	1	Nut
16:3	100-6658	1	Gasket
16:4	106-1240	1	Bulkhead
16:5	106-1241	1	Nut-Special
17	100-8661	1	Pin-Expansion
18	106-4880	1	Handle-Drain
19	104-9046	1	Bolt
20	104-9047	1	Nut
21	106-1217	1	Tube-Drain
☆22		1	Drain Screw ASM
22:1	100-8658	1	Tube-Hi Flex
22:2	100-6658	1	Gasket
22:3	100-8662	1	Screw-Drain
22:4	100-8657	1	Connector-Tube, Hose
22:5	100-8660	1	Pin-Expansion
22:6	100-8661	1	Pin-Expansion
23	104-9095	2	Elbow

☆ Not serviced separately

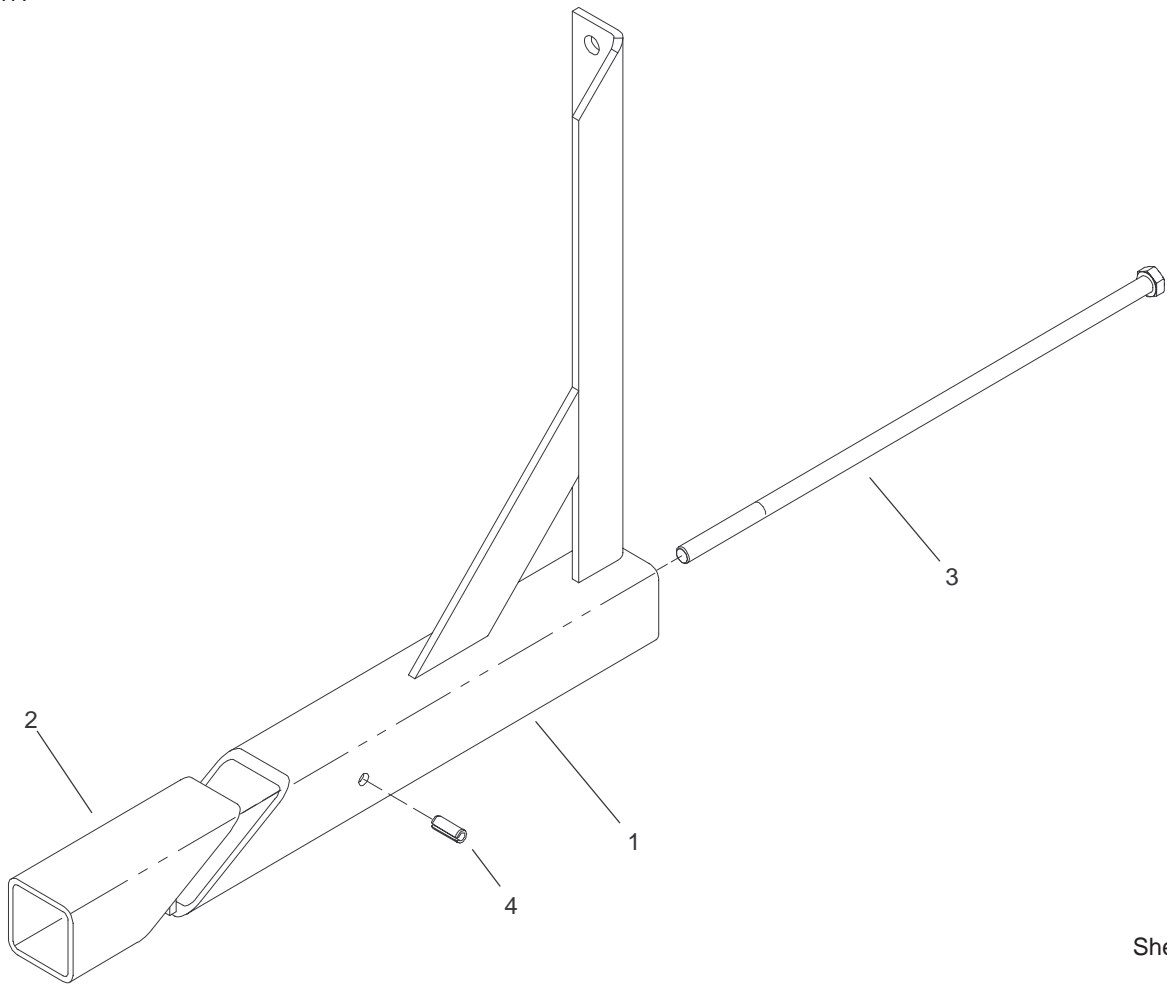


Sheet No.:C1

Safety Valve Assembly

Ref. No.	Part No.	Qty.	Description
1	100-8678	1	Nut
2	100-6724	1	Valve-Relief, Seat
3	100-6725	1	Spring-Relief Valve
4	100-6726	1	Cone-Relief Valve
5	100-6727	1	Housing-Relief Valve

Ref. No.	Part No.	Qty.	Description

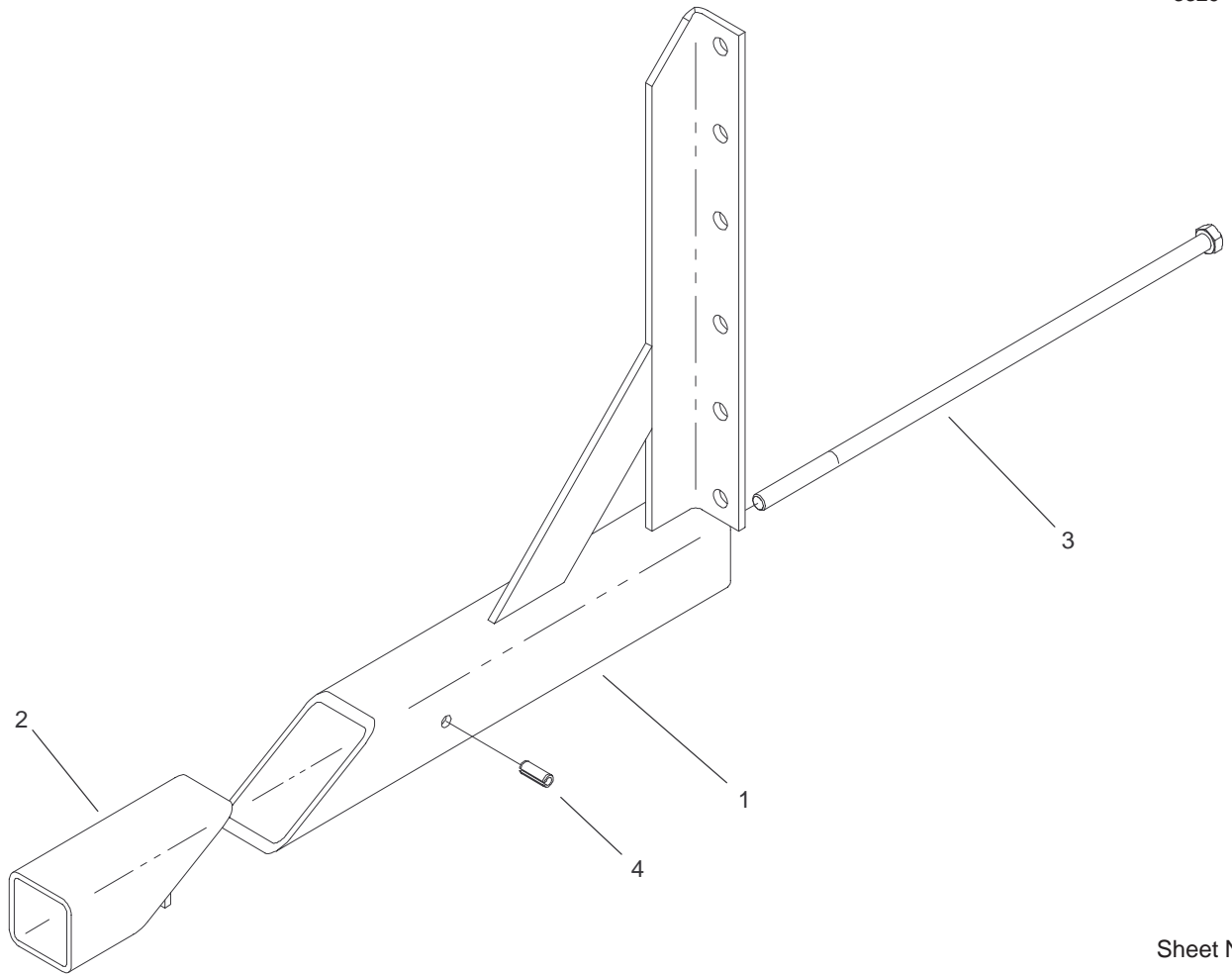


Sheet No.:C2

Right Hand Boom Mount Assembly No. 106-4960

Ref. No.	Part No.	Qty.	Description
1	42222-03	1	RH Boom Mount ASM
2	42223-03	1	Wedge Tube ASM
3	42199	1	Bolt
4	32121-41	1	Pin-Roll

Ref. No.	Part No.	Qty.	Description



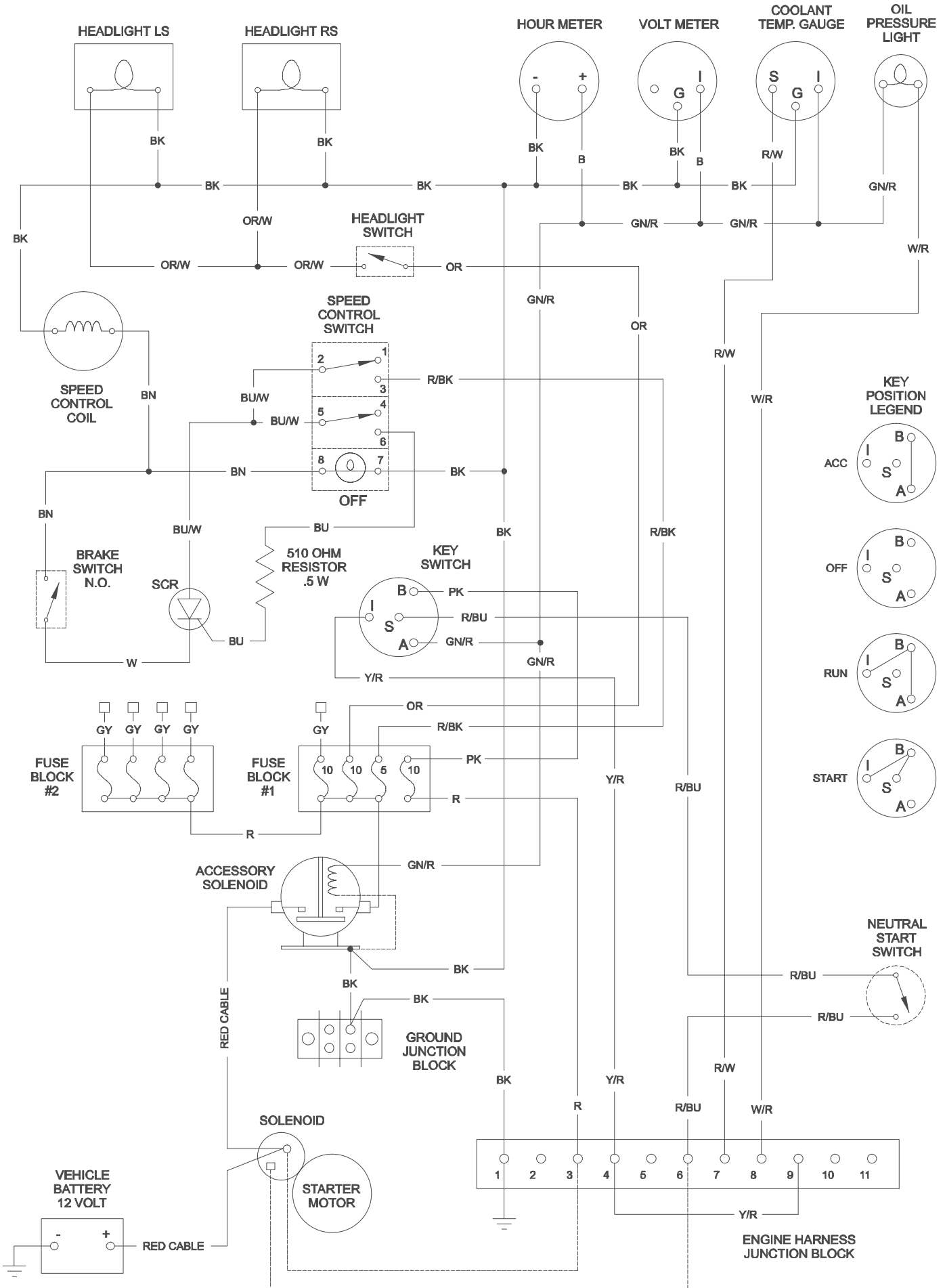
Sheet No.:C3

Left Hand Boom Mount Assembly No. 106-4961

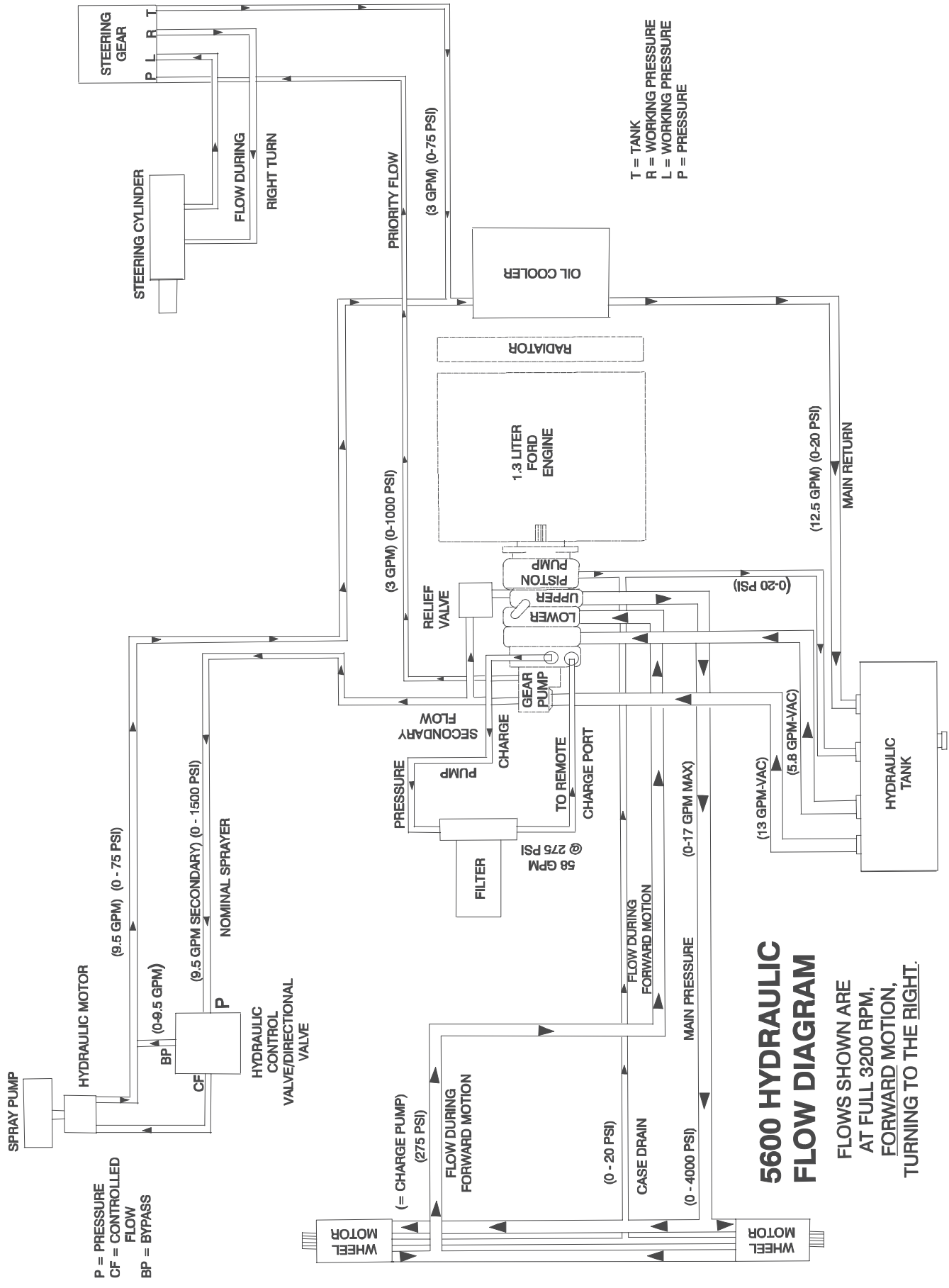
Ref. No.	Part No.	Qty.	Description
1	42217-03	1	LH Boom Mount ASM
2	42223-03	1	Wedge Tube ASM
3	42199	1	Bolt
4	32121-41	1	Pin-Roll

Ref. No.	Part No.	Qty.	Description

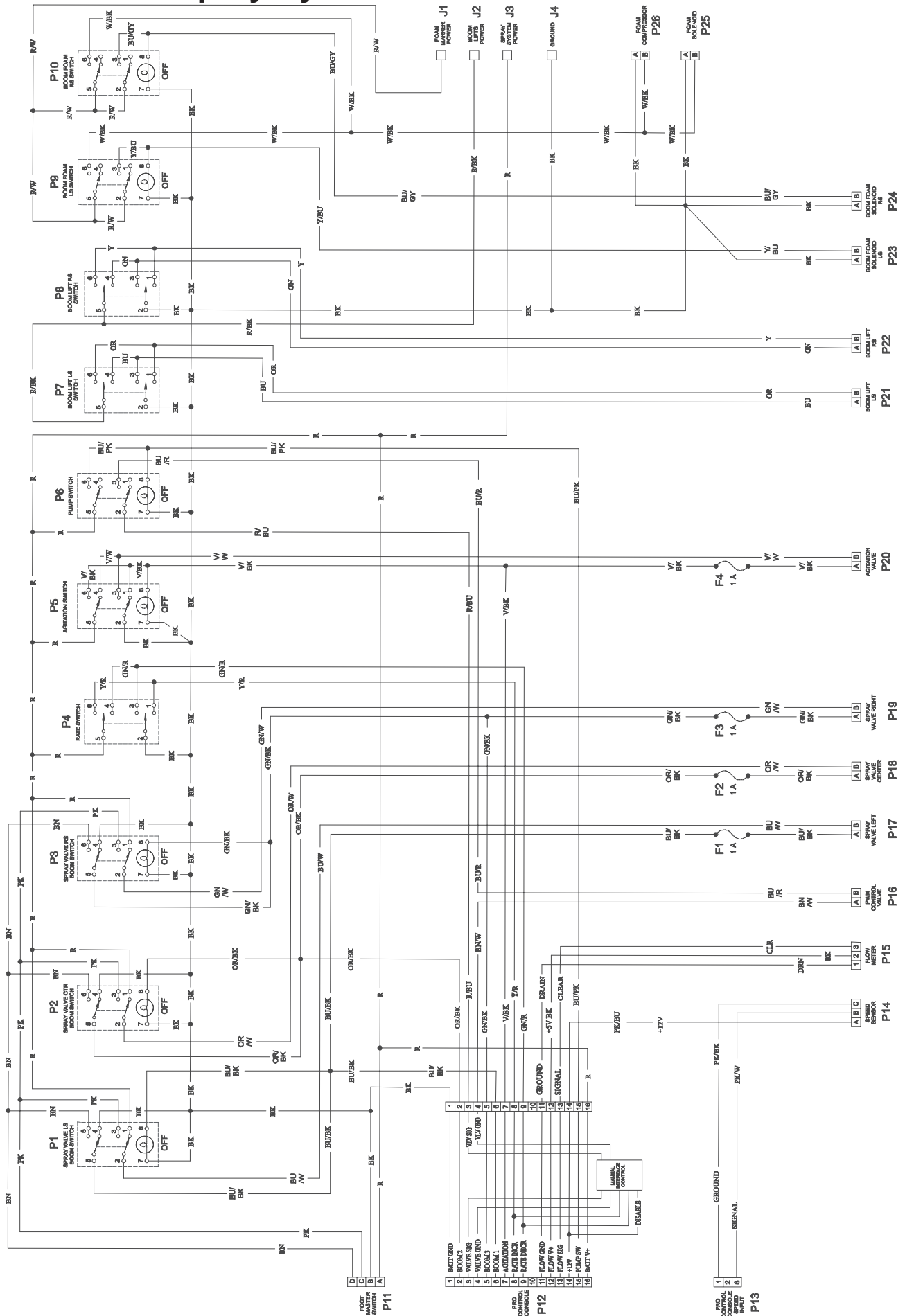
Vehicle Electrical Schematic



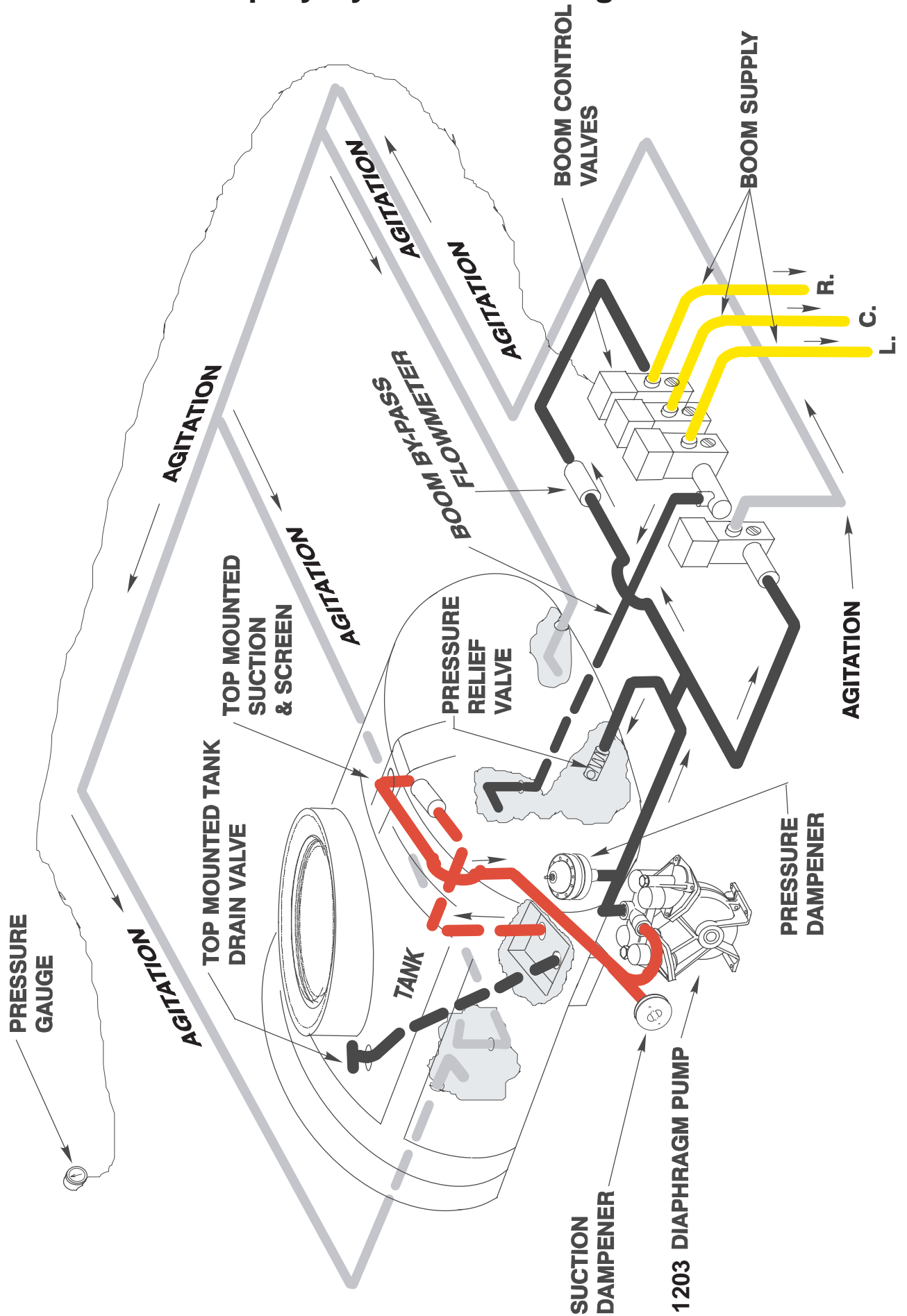
Vehicle Hydraulic Schematic

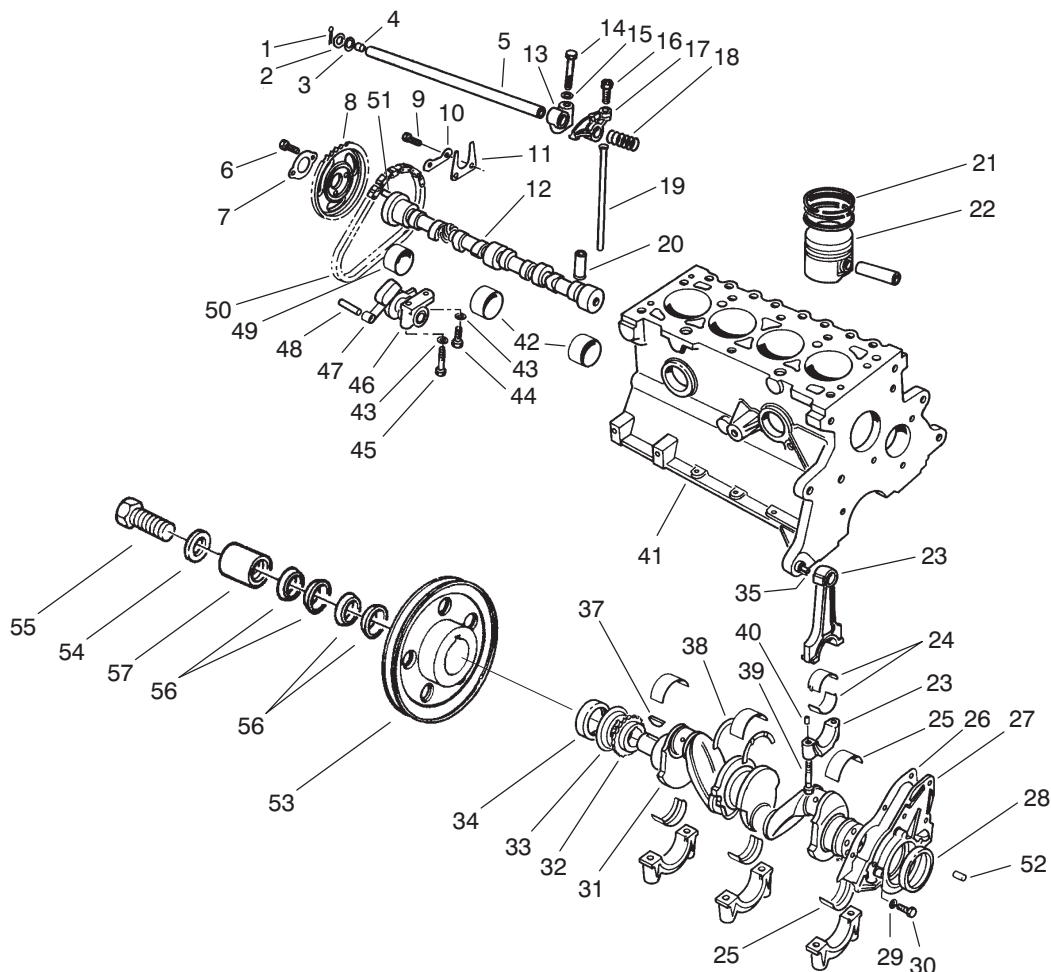


Spray System Electrical Schematic



Spray System Flow Diagram





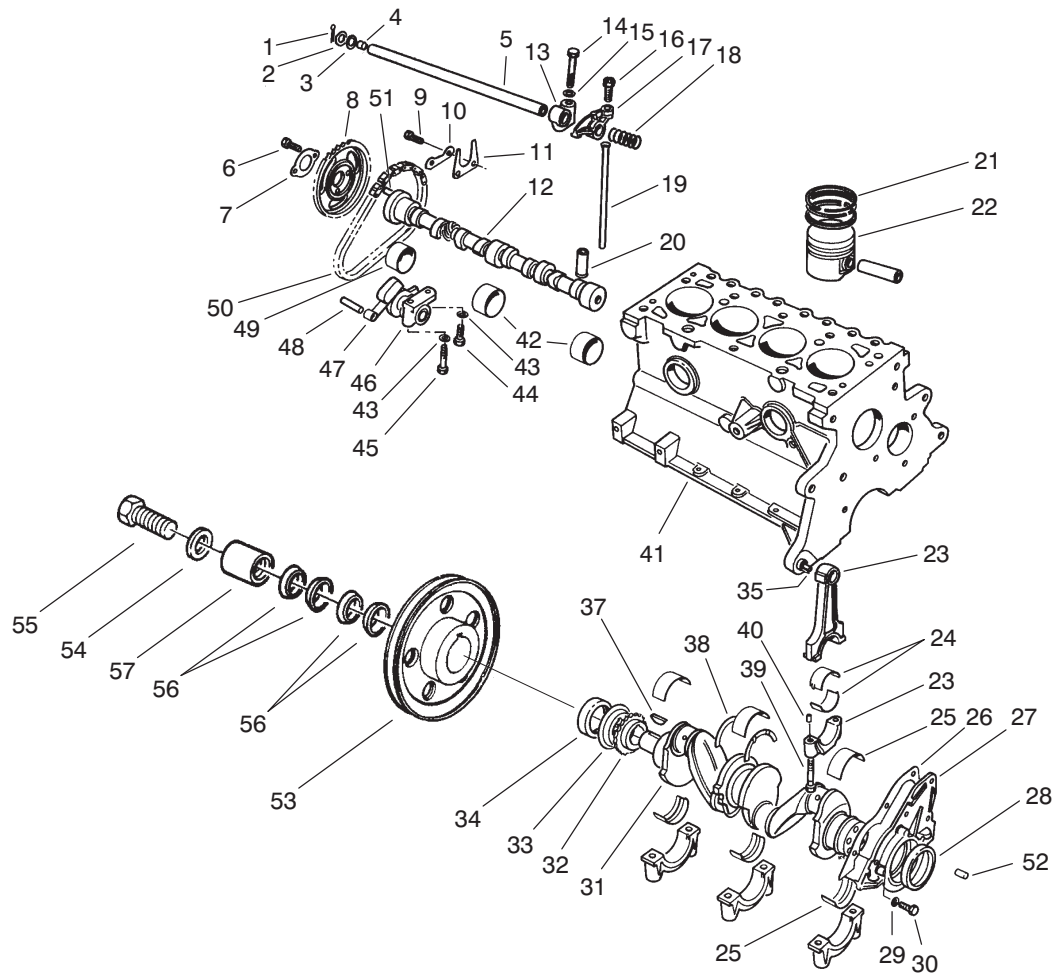
Crankshaft and Camshaft Assembly

Ref. No.	Part No.	Qty.	Description
1	72025-S7	2	Pin-Cotter
2	77BM-6598-AB	2	Washer-Spring
3	DORY-6590-A	2	Washer-Flat
4	357966-S	2	Plug-Shaft, Rocker Arm
5	89BM-6A557-AA	1	Rocker Arm Shaft ASM (Incl. Ref. #4)
6	E602351-S72	2	Bolt
7	DORY-6258-A	1	Retainer
8	77BM-6256-AA	1	Sprocket-Camshaft
9	N602166-S2	2	Bolt
10	DORY-6255-A	1	Retainer
11	DORY-6269-A	1	Plate-Thrust
12	89BM-6251-BA	1	Camshaft
13	77BM-6531-BB	4	Support-Shaft, Rocker
14	E800509-S72	4	Bolt-Support, Rocker
15	E630031-S101	4	Washer
16	DORY-6549-B	8	Screw
17	89BM-6529-AB	4	Arm-Valve Rocker, RH (Incl. Ref. #16)
*	89BM-6K528-AB	4	Arm-Valve Rocker, LH (Incl. Ref. #16)
18	DORY-6587-A	3	Spring-Locating
19	89BM-6565-AB	8	Rod-Push, Valve
20	89BM-6500-AA	8	Tappet-STD.

Ref. No.	Part No.	Qty.	Description
21	89BM-6148-DA	4	Set-Ring, STD.
*	89BM-6148-EA	A/R	Set-Ring, .020 OS.
*	89BM-6148-FA	A/R	Set-Ring, .040 OS.
22	89BM-6102-DA	4	STD Piston ASM (Incl. Ref. #21)
*	89BM-6102-EA	A/R	.020 OS. Piston ASM (Incl. Ref. #21)
*	89BM-6102-FA	A/R	.040 OS. Piston ASM (Incl. Ref. #21)
23	89BM-6200-AD	4	Connecting Rod ASM
24	89BM-6211-AA	8	Bearing-Rod, STD.
*	89BM-6211-BA	A/R	Bearing-Rod, .001 U.S.
*	89BM-6211-CA	A/R	Bearing-Rod, .010 U.S.
*	89BM-6211-DA	A/R	Bearing-Rod, .020 U.S.
*	89BM-6211-EA	A/R	Bearing-Rod, .030 U.S.
25	89BM-6333-AA	5	Bearing-Crank, Upper (STD. OD STD. ID)
*	89BM-6331-AA	5	Bearing-Crank, Lower (STD. OD STD. ID)

* Not Illustrated

Order all parts from your local Ford Power Products Dealer unless otherwise noted.

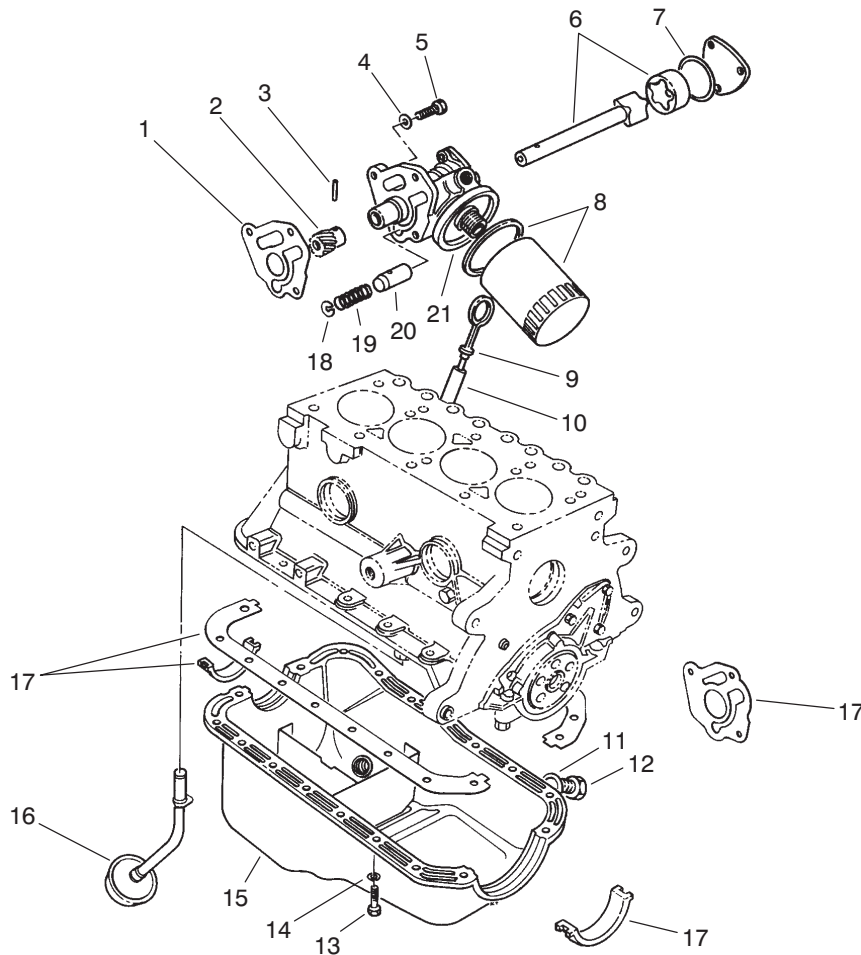


Crankshaft and Camshaft Assembly (Continued)

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
*25	89BM-6333-BA	A/R	Bearing-Crank, Upper (STD. OD .005 US. ID)	*	89BM-6333-HA	A/R	Bearing-Crank, Upper (.015 OS. OD .020 U.S. ID)
*	89BM-6331-BA	A/R	Bearing-Crank, Lower (STD. OD .005 US. ID)	*	89BM-6331-HA	A/R	Bearing-Crank, Lower (.015 OS. OD .020 US. ID)
*	89BM-6333-CA	A/R	Bearing-Crank, Upper (STD. OD .010 US. ID)	26	89BM-6344-BA	1	Gasket-Retainer, Rear
*	89BM-6333-DA	A/R	Bearing-Crank, Upper (015 OD STD. ID)	27	86BM-6K318-AA	1	Rear Retainer ASM
*	89BM-6331-DA	A/R	Bearing-Crank, Lower (015 OD STD. ID)	28	86HM-6701-A1A	1	Seal-Crankshaft, Rear
*	89BM-6333-EA	A/R	Bearing-Crank, Upper (STD. OD .020 US. ID)	29	E630173-S71M	4	Lockwasher
*	89BM-6331-EA	A/R	Bearing-Crank, Lower (STD. OD .020 US. ID)	30	E602187-S72	4	Bolt
*	89BM-6333-FA	A/R	Bearing-Crank, Upper (STD. OD .030 US. ID)	31	89BM-6303-DA	1	Crankshaft ASM
*	89BM-6331-FA	A/R	Bearing-Crank, Lower (STD. OD .030 US. ID)	32	DORY-6306-A	1	Sprocket
*	89BM-6333-GA	A/R	Bearing-Crank, Upper (.015 OS. OD .010 US. ID)	33	D8RZ-6310-A	1	Slinger-Oil
*	89BM-6331-GA	A/R	Bearing-Crank, Lower (.015 OS. OD .010 US. ID)	34	83BM-6700-A4A	1	Seal-Cover, Front
				35	E7RY6397-A	2	Dowel
				37	D0RY-6B6397-A	1	Key-Woodruff
				38	89BM-6A341-AA	2	Washer-Thrust Bearing, STD.
				*	89BM-6A341-BA	A/R	Washer-Thrust Bearing, .015 OS.
				39	89BM-6214-DB	8	Bolt-Rod, Connecting
				40	116336-ES100	8	Pin-Dowel, Rod
				41	89BM-6011-DA	1	Block-Cylinder

* Not Illustrated

Order all parts from your local Ford Power Products Dealer unless otherwise noted.



T-1003

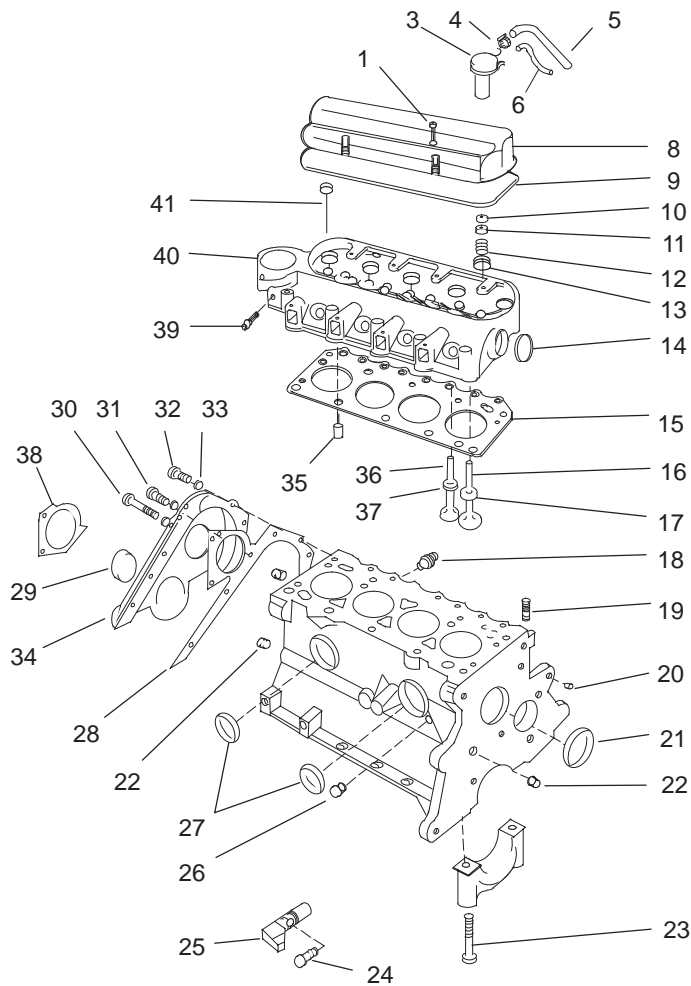
Oil Pump and Filter Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	96BM-6659-A1A	1	Gasket-Pump, Oil				
2	DORY-6652-A	1	Gear				
3	72432-S	1	Pin-Gear, Drive				
4	E630173-S71M	3	Lockwasher				
5	E800519-S72	3	Bolt				
6	DIFZ-6608-B	1	Rotor & Shaft				
7	116682-ES	1	Plate-Cover, Seal				
†8	95-3304	1	Filter-Oil				
9	92BM-6750-AA	1	Indicator-Level, Oil				
10	89BM-6784-AA	1	Tube-Indicator, Oil Level				
11	E9DZ-6734-B	1	Gasket-Drain Plug, Oil				
12	E9DZ-6730-B	1	Plug-Drain, Oil				
13	E602165-S72	18	Bolt				
14	34805-S8	18	Lockwasher				
15	86BM-6675-AA	1	Pan-Oil				
16	86BM-6617-AA	1	Oil Pickup Tube ASM				
17	A850X-6013-AA	1	Kit-Seal, Gasket				
18	DORY-6666-A	1	Plug				
19	DORY-6670-A	1	Spring				
20	DORY-6674-A	1	Plunger				
21	D8RZ-6600-A	1	Pump-Oil				

* Not Illustrated

† Obtain parts from your local Authorized Toro Dealer.

Order all parts from your local Ford Power Products Dealer unless otherwise noted.



T-1002

Cylinder Head and Valve Assembly

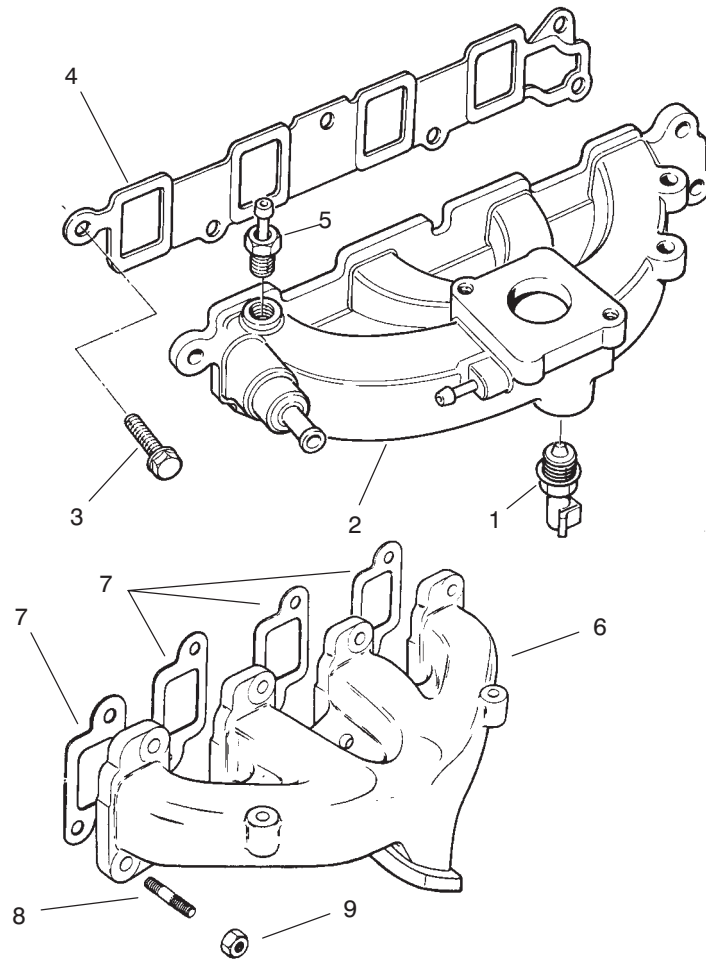
Ref. No.	Part No.	Qty.	Description
1	E800516-S72	4	Screw-Cover, Rocker
3	84BF-6K614-CA	1	Cap-Fill, Oil
4	096609	1	Clamp-Hose
†5	95-2171	1	Hose-PCV
†6	95-2172	1	Hose-Discharge, Crankcase
*	20-24-AGD	1	Bolt
*	22-12-AJD	1	Nut
*	23-10-GD	1	Washer-Lock
*	24-10-AD	1	Washer-Flat
8	95BM-6582-AB	1	Cover-Arm, Rocker
9	77BM-6584-CA	1	Gasket-Cover
10	88WM-6518-AA	16	Spring-Valve, Lock
11	89BM-6A536-AA	8	Retainer
12	89BM-6513-AA	8	Spring-Valve
13	88WM-6571-BB	8	Seal-Stem, Valve
14	DORY-6026-A	1	Plug
15	89BM-6051-C2B	1	Gasket-Head, Cylinder
16	89BM-6507-BA	4	Valve-Intake (Std.)
*	89BM-6507-BC	A/R	Valve-Intake (.040mm O.S.)
17	89BM-6056-A1G	4	Seat-Valve, Intake
18	E7RZ-9278-A	1	Switch-Pressure, Oil
19	D8RZ-6767-A	1	Adapter
20	E890100-S	1	Plug-Ball, Oil Gallery

Ref. No.	Part No.	Qty.	Description
21	D1FZ6266-A	1	Plug
22	F1ZZ-6026-A	3	Plug
23	D1FZ-6345-A	10	Bolt-Cap, Bearing
24	E802666-S72	1	Screw
25	89BF-6C315-AC	1	Transducer
26	353055-S7	1	Plug
27	DORY-6026-A	2	Plug
28	89BM-6020-AA	1	Gasket-Cover, Front
29	83BM-6700-A4A	1	Seal-Cover, Front
30	E800518-S72	1	Bolt
31	E600113-S72	3	Bolt
32	E800512-S72	4	Bolt
33	E832108-S71M	8	Lockwasher
34	89BM-6019-AC	1	Cover & Seal ASM (Incl. Ref. #29)
35	E840126S	2	Dowel
36	89BM-6505-EA	A/R	Valve-Exhaust (.040mm O.S.)
*	89BM-6505-CA	4	Valve-Exhaust (Std.)
37	89BM-6057-A2E	4	Insert-Seat, Exhaust
38	D8RZ-8507-A	1	Gasket-Pump, Water
39	DY881	1	Sender-Temperature
40	89BM-6049-DD	1	Cylinder Head ASM
41	89BM-6065-DA	10	Bolt-Head, Cylinder

* Not Illustrated

† Obtain parts from your local Authorized Toro Dealer.

Order all parts from your local Ford Power Products Dealer unless otherwise noted.



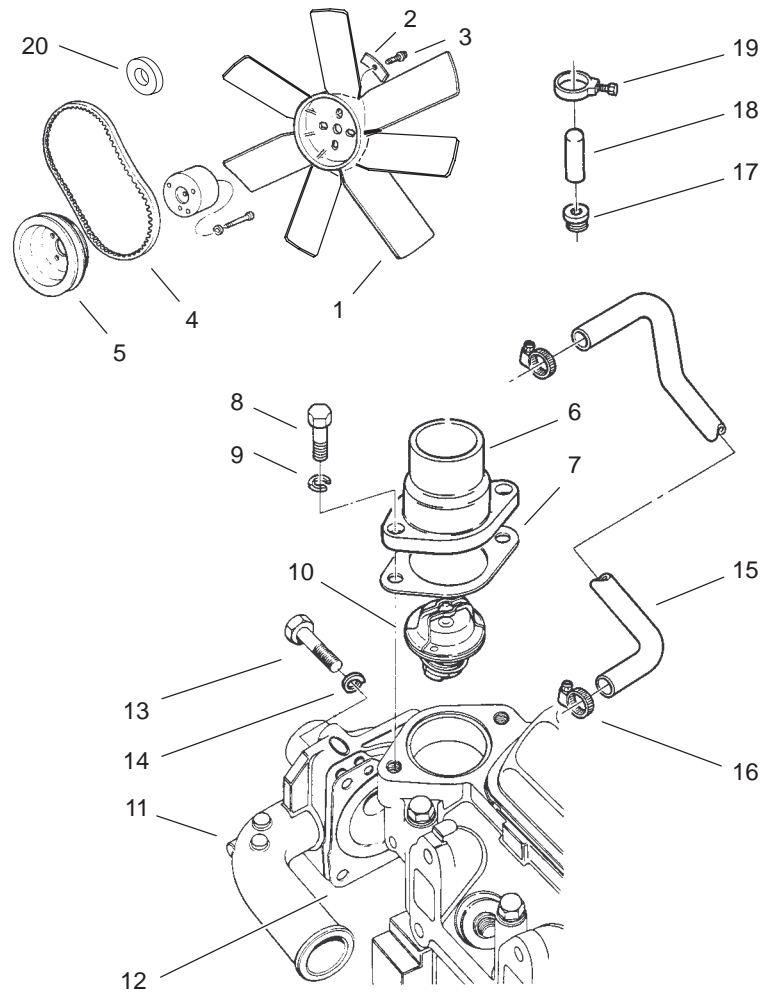
T-1176

Manifold Assembly

Ref. No.	Part No.	Qty.	Description
1	DY681	1	Sensor-Temperature, Water
2	89BF-9424-AD	1	Manifold-Intake
3	E800157-S72	6	Bolt
4	89BM-9441-AB	1	Gasket-Manifold, Intake
5	77BF-9K442-AA	1	Adapter-Vacuum
6	F5JL-9430-BA	1	Manifold-Exhaust
7	95BM-9448-AC	4	Gasket-Manifold, Exhaust
8	E805697-S76	8	Stud-M8 x 27.5
9	N620481-S2	8	Nut-M8 UBS
*†10	9990	1	Elbow
*†11	92-0016	1	Nipple
*	F5RZ-9H490-A		

Ref. No.	Part No.	Qty.	Description

* Not Illustrated † Obtain parts from your local Authorized Toro Dealer.
 Order all parts from your local Ford Power Products Dealer unless otherwise noted.



Fan, Water Pump and Thermostat Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
†1	104-2532	1	Fan-4 Blade, 14.5"				
2	E5JL-8N603-AA	1	Strap-Fan				
3	N605905-S2	1	Bolt				
4	E9JL-8620-A2A	1	Belt				
5	F1JL-8509-AC	1	Pulley-Water Pump, Two Groove				
6	D7JL-8594-AA	1	Connection-Outlet, Vertical Water				
7	84BF8255AA	1	Gasket-Outlet, Water				
8	E602187-S72	2	Bolt				
9	E630173-S71M	2	Washer				
10	D4PZ-8575-A	1	Thermostat				
11	92BX-8591-AA	1	Pump-Water				
12	89BM-8507-AA	1	Gasket-Pump, Water				
13	E600113-S72	3	Bolt				
14	E832108-S71M	3	Washer				
15	E9JL-8548-CA	1	Hose-Bypass				
16	E6TZ-9171-C	2	Clamp-Hose				
17	E6JL-8A574-AA	1	Plug-M22				
18	C9AZ-9C492-A	1	Cap-Nipple, Water Outlet				
19	C9AZ-8287-A	2	Clamp-Hose				
†20	104-4605	1	Spacer				

† Obtain parts from your local Authorized Toro Dealer.
Order all parts from your local Ford Power Products Dealer unless otherwise noted.

