



Reelmaster[®] 2000–D

Traction Unit

Model No. 03428—220000001 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.

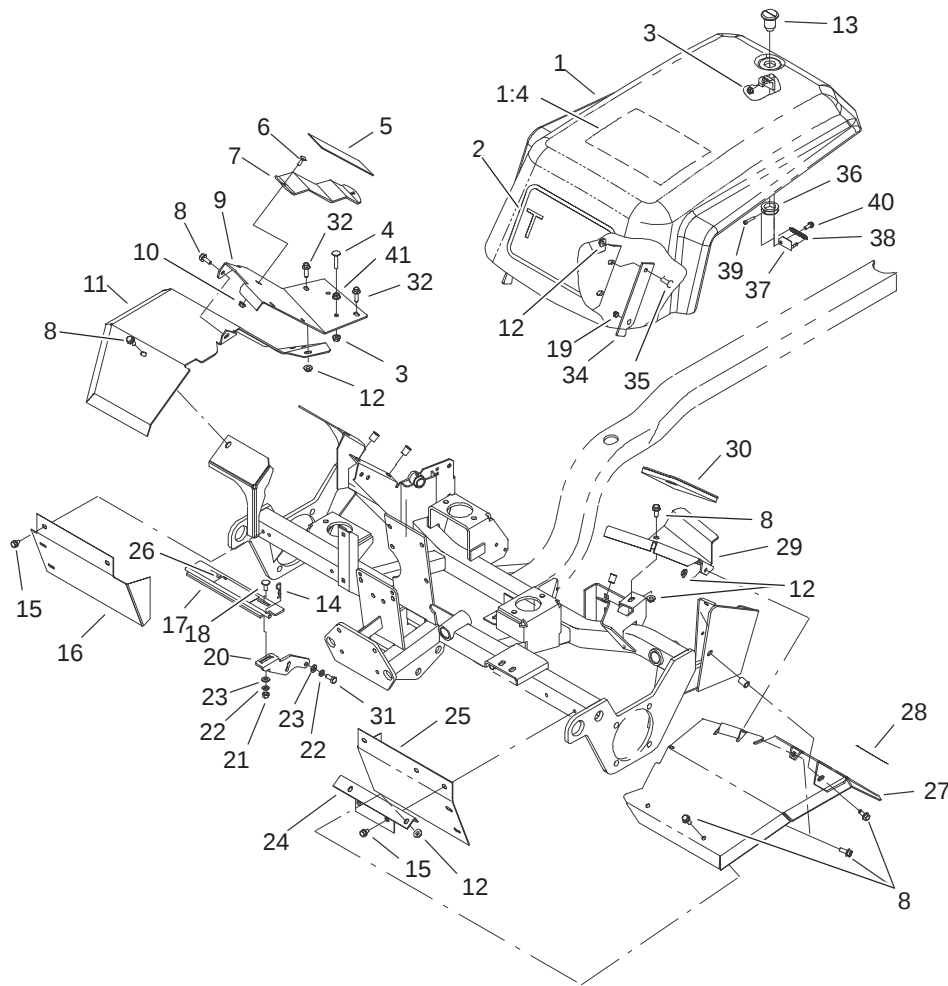
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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

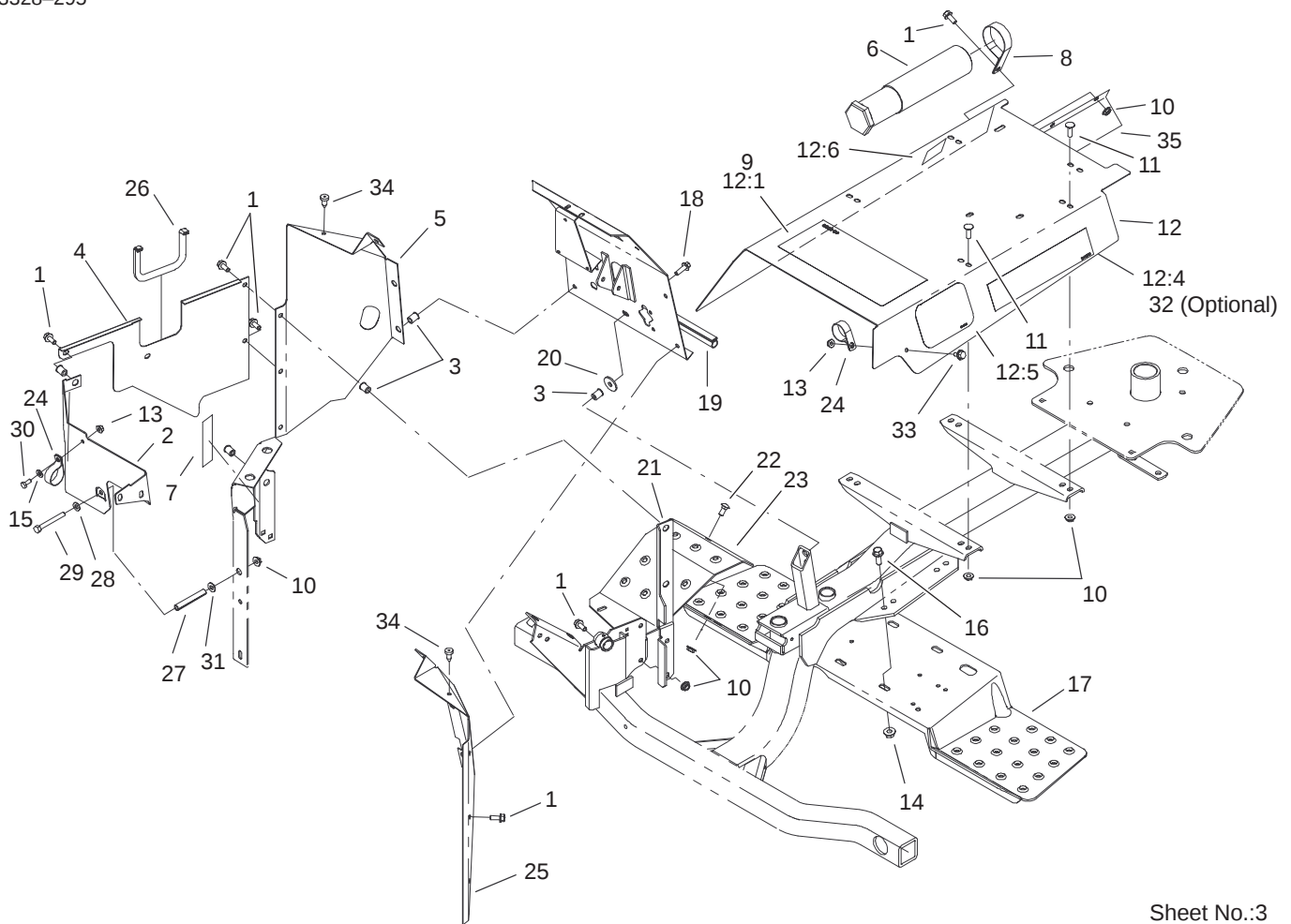
Abbreviation	Meaning	Abbreviation	Meaning
AR	as required	HYD	hydraulic
ASM	assembly	INC	incorporated
CARR	carriage	LH	left hand
DEG	degrees	NI	nylon insert
FH	flat head	PPH	Phillips pan head
GA	gauge	PTH	Phillips truss head
HF	hex flange	PTO	power take off
HH	hex head	RH	right hand
HHF	hex head flange	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.:2

Hood Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	104-3987	1	Hood ASM	25	83-9800-01	1	Grass Shield-Front, LH
1:4	104-3990	1	Decal	26	94-5056	1	Decal-Instructions
2	66-1210	1	Decal-Logo, Toro	27	93-6776-01	1	Fender-LH
3	32128-20	2	Nut-HF	28	93-7267	1	Decal-Brake
4	3230-27	1	Screw-CARR	29	83-9710-03	1	Footrest-Pedal, Tract
5	76-2260	1	Pad-Footrest	30	83-9840	1	Pad-Foot
6	3229-1	2	Screw-CARR	31	322-3	4	Screw-HH
7	76-2200-03	1	Footrest-Pedal, Tract	32	3234-17	4	Screw-HHF
8	3234-5	10	Screw	34	104-3968-03	2	Bracket-Hood
9	93-6779-03	1	Footrest-RH	35	3234-17	4	Screw-HHF
10	32128-33	3	Nut-HF	36	104-4078	1	Collar-Latch
11	93-6778-01	1	Fender-RH	37	104-4079	1	Bracket-Spring
12	32128-44	16	Nut	38	104-4080	1	Spring-Extension
13	104-4074	1	Stud-Latch	39	32105-12	1	Screw
14	3290-467	1	Pin-Hair	40	3234-33	1	Screw-HHF
15	32104-82	5	Screw-HHF	41	3218-2	1	Nut-Jam
16	104-4062-01	1	Shield-Front, RH				
17	93-6780-03	1	Hinge				
18	3230-2	2	Screw-CARR				
19	256-320	2	Bushing-Nylon				
20	93-6742-03	2	Bracket-Hood, Pivot				
21	3217-6	2	Nut-Hex				
22	3253-4	6	Washer-Lock				
23	3256-23	6	Washer-Flat				
24	83-8510-01	1	Bracket-Fender, Left				

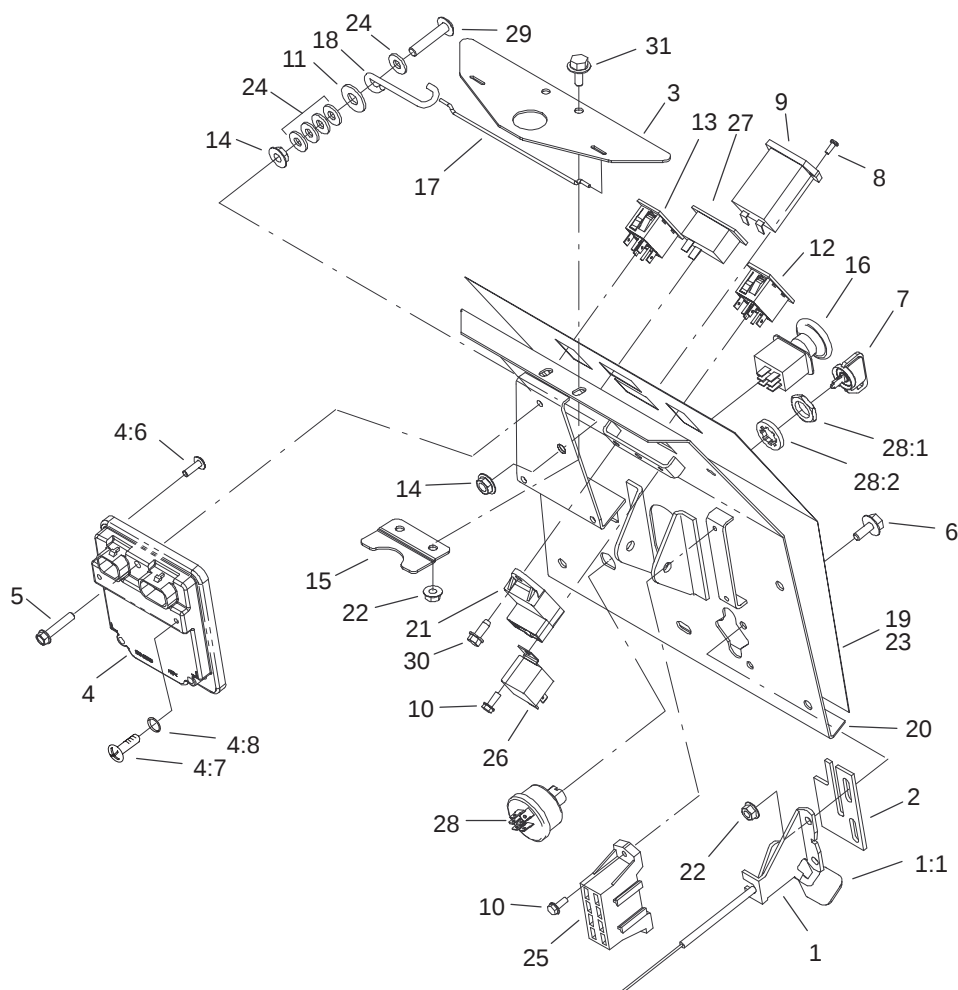


Sheet No.:3

Skirt and Body Panel Assembly

Ref. No.	Part No.	Qty.	Description
1	3234-5	16	Screw
2	104-3865-03	1	Panel-Front, RH
3	32148-7	8	Insert-Nut
4	104-4063-03	1	Front Panel ASM
5	104-3932-03	1	Panel-Rear, Right
6	74-0720	1	Tube-Manual
7	93-7273	1	Decal-Danger
8	2412-133	2	R-Clamp
9	93-7271	1	Decal-Warning
10	32128-44	13	Nut
11	3230-2	4	Screw-CARR
12	104-3916	1	Skirt ASM
12:1	83-9550	1	Decal-Warning
12:4	104-3988	2	Decal
12:5	104-3989	2	Decal-Logo, Toro
12:6	105-4674	1	Decal-Noise, Ce
13	32128-33	2	Nut-HF
14	32128-43	4	Nut-Flange
15	3256-22	1	Washer-Flat
16	3234-11	4	Screw-HHF
17	93-6868-03	1	Step-Foot
18	3234-17	1	Screw-HHF
19	76-6471	1	Strip-Seal, Firewall
20	62-7170	1	Spacer-Rubber
21	104-4009-03	1	Angle-Right
22	3230-1	1	Screw-CARR

Ref. No.	Part No.	Qty.	Description
23	93-6938-03	1	Shield-Footrest
24	2412-74	2	R-Clamp
25	93-6732-03	1	Panel-Rear, Left
26	104-4060	1	Trim
27	93-6908	1	Spacer-Split
28	3256-23	1	Washer-Flat
29	322-23	1	Screw-HH
30	321-3	1	Screw-HH
31	87-8640	1	Washer-Flat
32	104-4014	1	Decal-Sport, Reelmaster
33	3234-21	1	Screw-Cap
34	237-37	2	Grommet
35	104-4086-01	1	Shield-Muffler



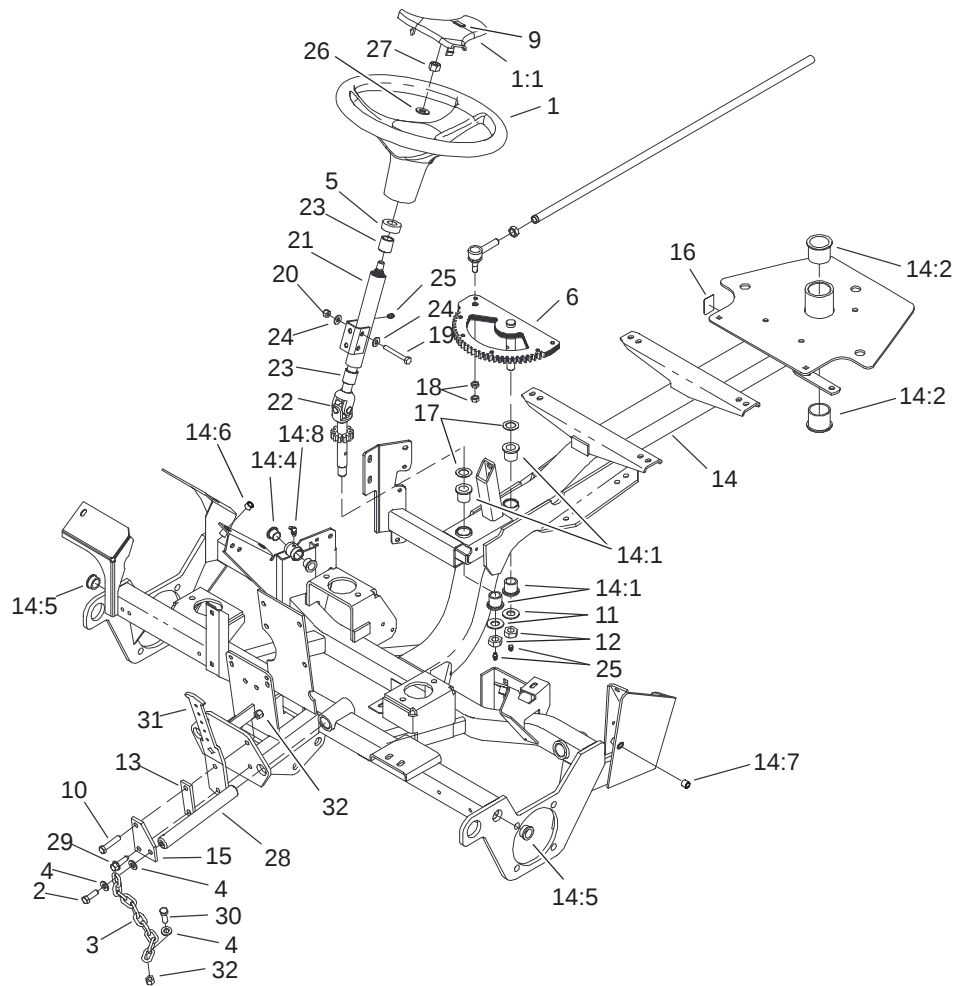
Sheet No.:4

Instrument Panel Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	104-3967	1	Cable-Control, Throttle	21	99-9666	1	Module
1:1	66-0120	1	Knob	22	32128-33	4	Nut-HF
2	93-6743	1	Stop-Throttle	23	104-3994	1	Decal-Instrument Panel, Ce
3	104-4075-03	1	Plate-Latch	24	3256-2	5	Washer-Flat
4	105-8505	1	Control Module ASM	25	104-3910	1	Harness-Wire
☆4:6		7	Screw-PPH	*25:1	218-578	1	Fuse-10 Amp
☆4:7		2	Screw-PPH	*25:2	109355	1	Fuse-15 Amp
☆4:8		2	O-Ring	*25:3	104-4022	1	Resistor-75 Ohm
5	32144-110	3	Screw-HWH	26	99-7435	1	Relay-Power
6	3234-4	2	Screw-HHF	27	104-4071	1	Light-Indicator, Amber
7	63-8360	2	Key-Ignition	28	104-2541	1	Switch-Key
8	32144-18	2	Screw-HH	28:1	218-461	1	Nut-HH
9	75-6820	1	Hourmeter	28:2	3254-5	1	Washer-Lock, Internal
10	32144-1	3	Screw-Taptite	29	322-41	1	Screw-HH
11	3256-4	1	Washer-Flat	30	32144-10	1	Screw-HWH
12	100-8070	1	Lamp-Warning	31	3234-13	2	Screw-HHF
13	100-8071	1	Lamp-Warning				
14	32128-44	2	Nut				
15	104-4076-03	1	Plate-Spring, Keeper				
16	93-9998	1	Switch-PTO				
17	104-4077	1	Wire-Form				
18	94-5973	1	Hook				
19	104-3991	1	Decal-Panel, Instrument				
20	104-3864-03	1	Panel-Instrument				

☆ Not serviced separately

* Not illustrated

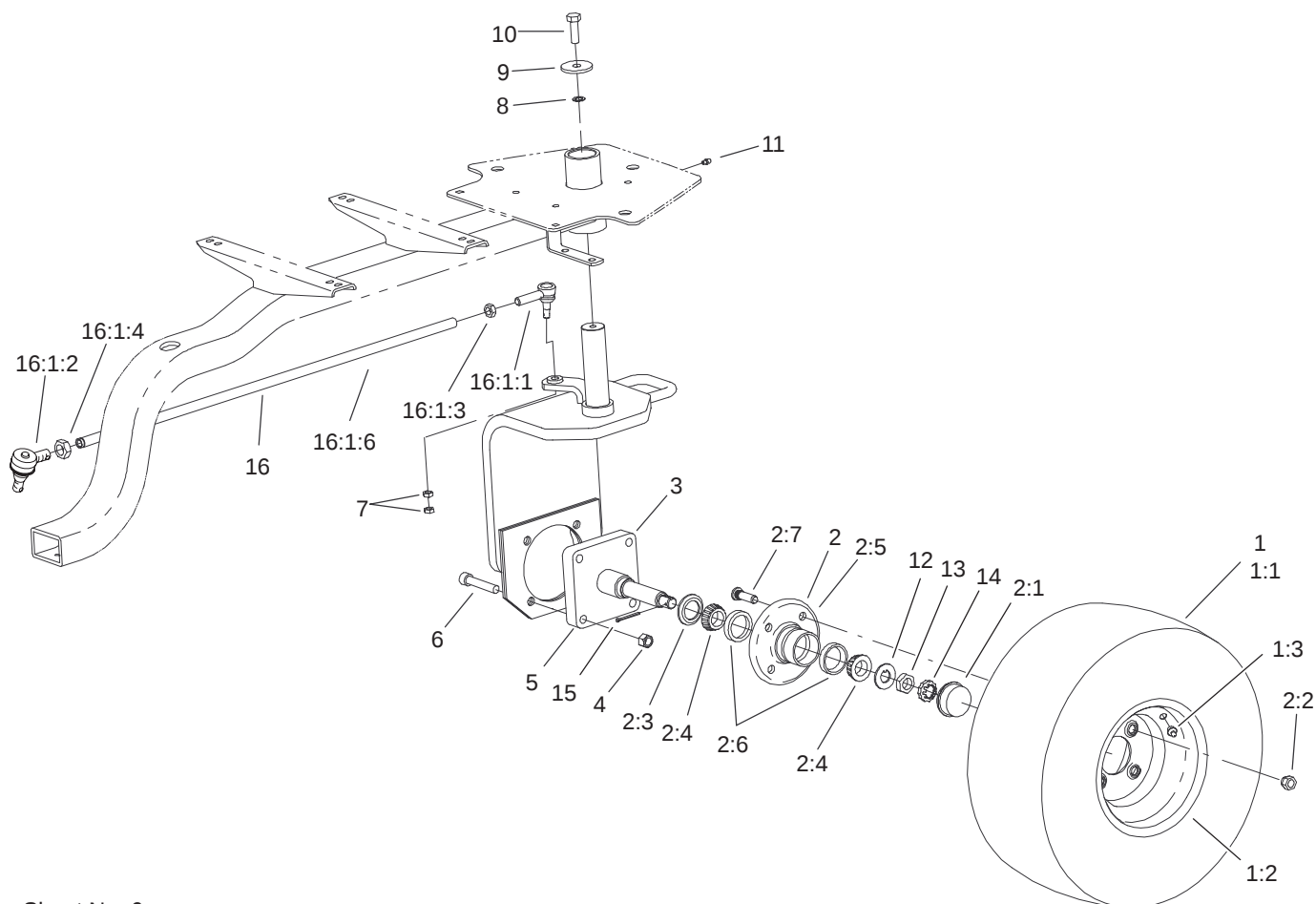


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Steering Assembly

Ref. No.	Part No.	Qty.	Description
1	98-1471	1	Wheel-Steering
1:1	98-1468	1	Cover-Wheel, Steering
2	323-18	2	Screw-HH
3	93-6738	2	Chain
4	3256-24	6	Washer-Flat
5	21-9260	1	Cover-Dust
6	93-6768-03	1	Gear-Sector
9	98-1459	1	Decal-Toro
10	323-9	2	Screw-HH
11	3256-27	2	Washer-Flat
12	3296-33	2	Nut-Lock, NI
13	98-3445	2	Spacer
14	104-3913	1	Frame ASM
14:1	92-3162	4	Bushing
14:2	256-245	2	Bushing-Flange
14:4	75-2160	2	Bushing
14:5	256-247	2	Bushing-Flange
14:6	32148-7	4	Insert-Nut
14:7	32148-8	1	Insert-Threaded
14:8	302-60	1	Fitting-Grease
15	98-3446	2	Plate-Reinforcement
16	93-7252	1	Decal-International
17	3-6498	6	Washer-Thrust
18	3220-3	2	Nut-Jam
19	322-12	1	Screw-HH

Ref. No.	Part No.	Qty.	Description
20	3296-29	1	Nut-Lock, NI
21	93-6769-03	1	Column-Steering
22	94-5969	1	Shaft And Gear-Steering
23	256-27	2	Bushing
24	87-8640	2	Washer-Flat
25	302-5	3	Fitting-Grease
26	3256-26	1	Washer-Flat
27	3296-25	1	Nut-Lock, NI
28	92-1812	2	Shaft-Pivot, Lift
29	32144-109	2	Screw
30	323-7	2	Screw-HH
31	92-1818-01	2	Arm-Spring, Tension
32	3296-39	4	Nut-Lock, NI



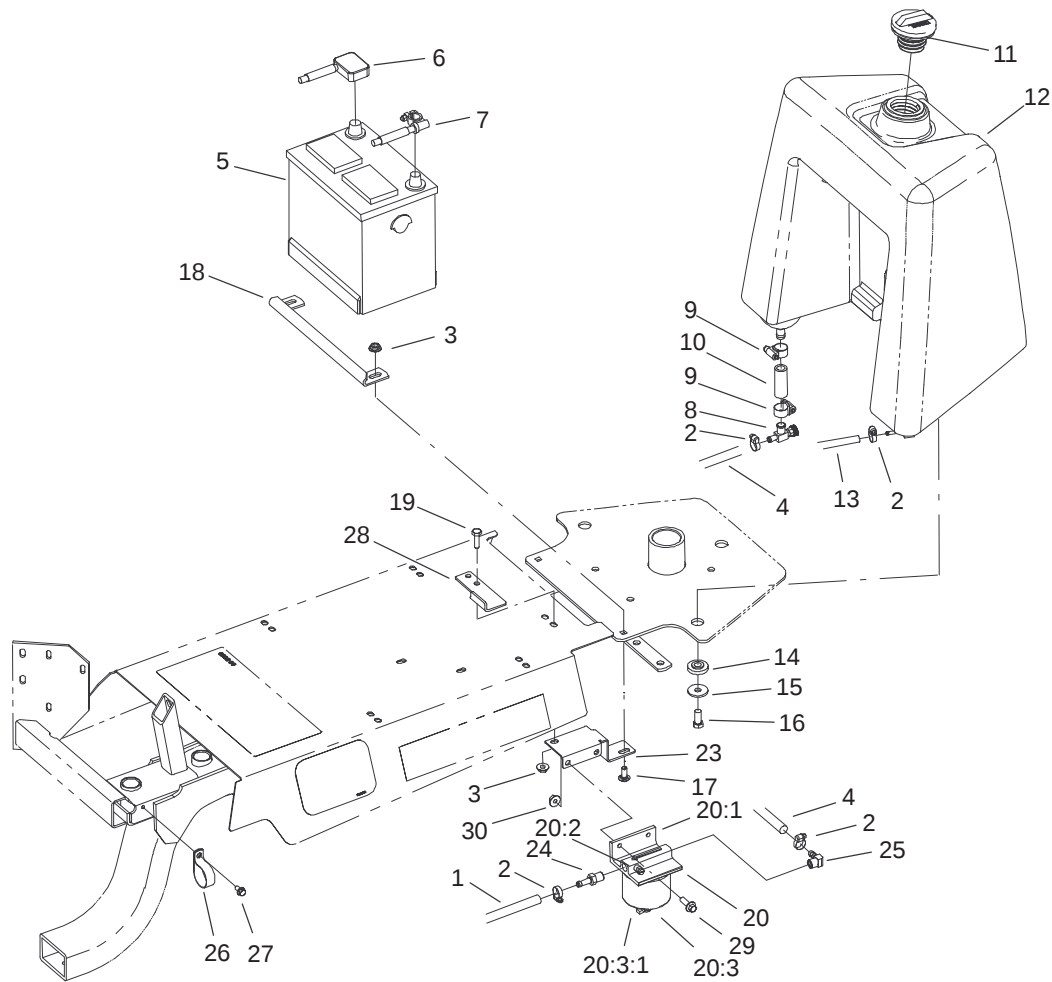
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Castor Fork Assembly

Ref. No.	Part No.	Qty.	Description
☆1		1	Tire & Wheel ASM
1:1	94-5028	1	Tire
1:2	93-6881	1	Rim ASM
1:3	232-27	1	Stem-Valve
2		1	Hub ASM
2:1	241-119	1	Cap-Dust
2:2	242-50	4	Nut-Lug
2:3	253-129	1	Seal
2:4	254-94	2	Bearing-Cone, Taper
2:5	80-6580	1	Hub
2:6	254-72	2	Bearing-Cup, Tapered
2:7	10-6830	4	Stud-Type, Drive
3	104-3966-03	1	2wd Hub ASM
4	3296-23	4	Nut-Lock, NI
5	93-6782-01	1	Fork-Wheel, Rear
6	3274-93	4	Screw-HSH
7	3220-3	2	Nut-Jam
8	3255-2	1	Washer-Lock/Ext
9	75-7730	1	Washer-Thrust
10	325-6	1	Screw-HH
11	302-5	1	Fitting-Grease
12	93-0309	1	Washer-Tab
13	3220-7	1	Nut-Jam
14	93-0307	1	Nut-Lock, Retainer
15	3272-13	1	Pin-Cotter
☆16		1	Steering Tube ASM

Ref. No.	Part No.	Qty.	Description
16:1:1	21-0141	1	RH Ball Joint ASM
16:1:2	21-0151	1	LH Ball Joint ASM
16:1:3	3220-12	1	Nut-HJ, LH Thread
16:1:4	3220-5	1	Nut-Jam
16:1:6	61-2070-03	1	Tube-Steering

☆ Not serviced separately

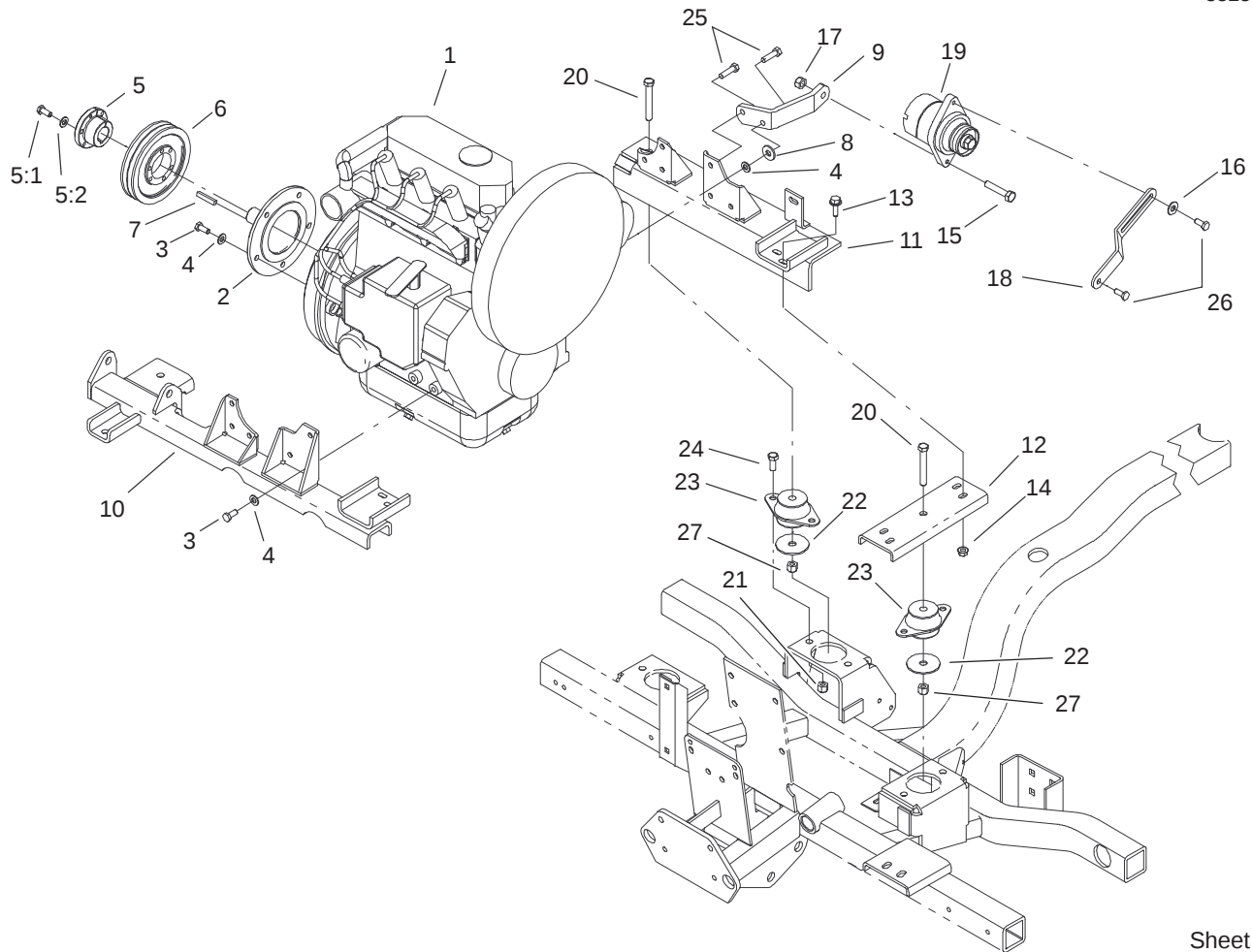


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Fuel Tank and Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	93-5483	1	Hose-Fuel
2	2412-108	4	Clamp-Worm
3	32128-44	4	Nut
4	27-5370	1	Hose-Fuel
5	104-9979	1	Battery (Dry)
6	104-4061	1	Cable-Battery, Pos
7	94-5980	1	Cable-Battery, Neg
8	56-2520	1	Fitting-Shut Off, Fuel
9	2412-36	2	Clamp-Hose
10	56-2230	1	Hose-Fuel
11	93-3102	1	Cap-Fuel
12	83-8720	1	Tank-Fuel
13	104-4070	1	Hose-Fuel
14	240-11	3	Grommet-Mount, Tank
15	63-8410	3	Washer
16	323-5	3	Screw-HH
17	3230-1	2	Screw-CARR
18	83-9240	1	Bracket-Battery
19	322-5	2	Screw-HH
20	63-7650	1	Separator-Filter/Water
20:1	63-8280	1	Head ASM
20:2	63-8290	1	Vent-Air
20:3	63-8300	1	Element-Spin-On
20:3:1	63-8310	1	Valve-Drain
23	104-3947-01	1	Bracket-Filter, Fuel

Ref. No.	Part No.	Qty.	Description
24	353-783	1	Fitting
25	353-781	1	Fitting
26	2412-74	1	R-Clamp
27	32144-4	1	Screw-HWH
28	104-4028-01	1	Bracket-Stop
29	3234-4	2	Screw-HHF
30	32128-33	2	Nut-HF

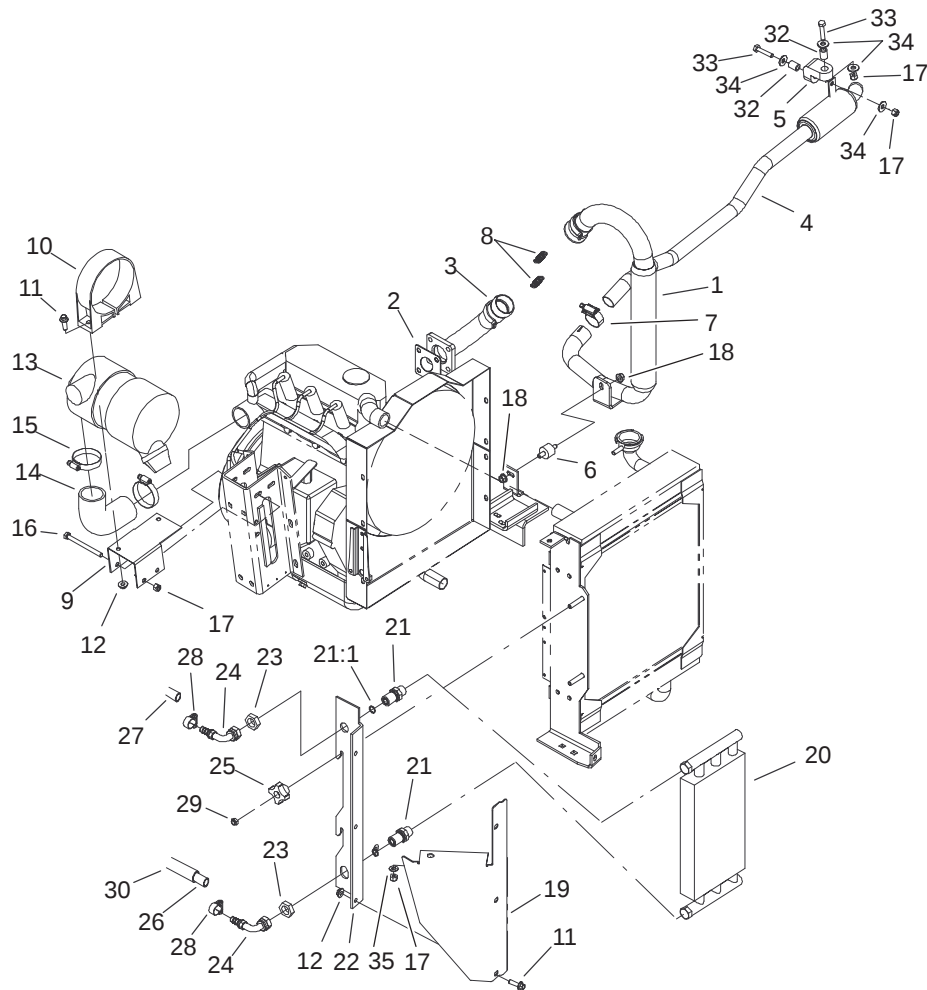


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Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	104-3855	1	Engine-B/S, Diahatsu
2	104-3860-03	1	Shaft-Stub, Flywheel
3	33114-020	16	Screw-HH
4	3256-23	17	Washer-Flat
5	61-3340	1	Bushing
5:1	100-4208	3	Screw-HH
5:2	100-4209	3	Washer-Lock/Sp
6	100-4207	1	Sheave
7	67-7490	1	Key
8	80-6990	1	Washer-Hardened
9	93-2445	1	Bracket-Alternator, Upper
10	104-3869-03	1	Frame-Engine, Front
11	104-3868-03	1	Frame-Engine, Rear
12	104-3870-03	1	Channel-Engine
13	3234-29	4	Screw-HHF
14	32128-20	4	Nut-HF
15	33115-050	1	Screw-HH
16	3256-3	1	Washer-Flat
17	33025-00	1	Nut-Lock
18	93-2446	1	Bracket-Alternator, Lower
19	99-9209	1	Alternator
20	324-11	3	Screw-HH
21	3296-39	6	Nut-Lock, NI
22	87-5100	3	Washer-Snubbing

Ref. No.	Part No.	Qty.	Description
23	53-9681	3	Mount-Engine
24	323-5	6	Screw-HH
25	33114-030	2	Screw-HH
26	33114-020	2	Screw-HH
27	3296-48	3	Nut-Lock NI

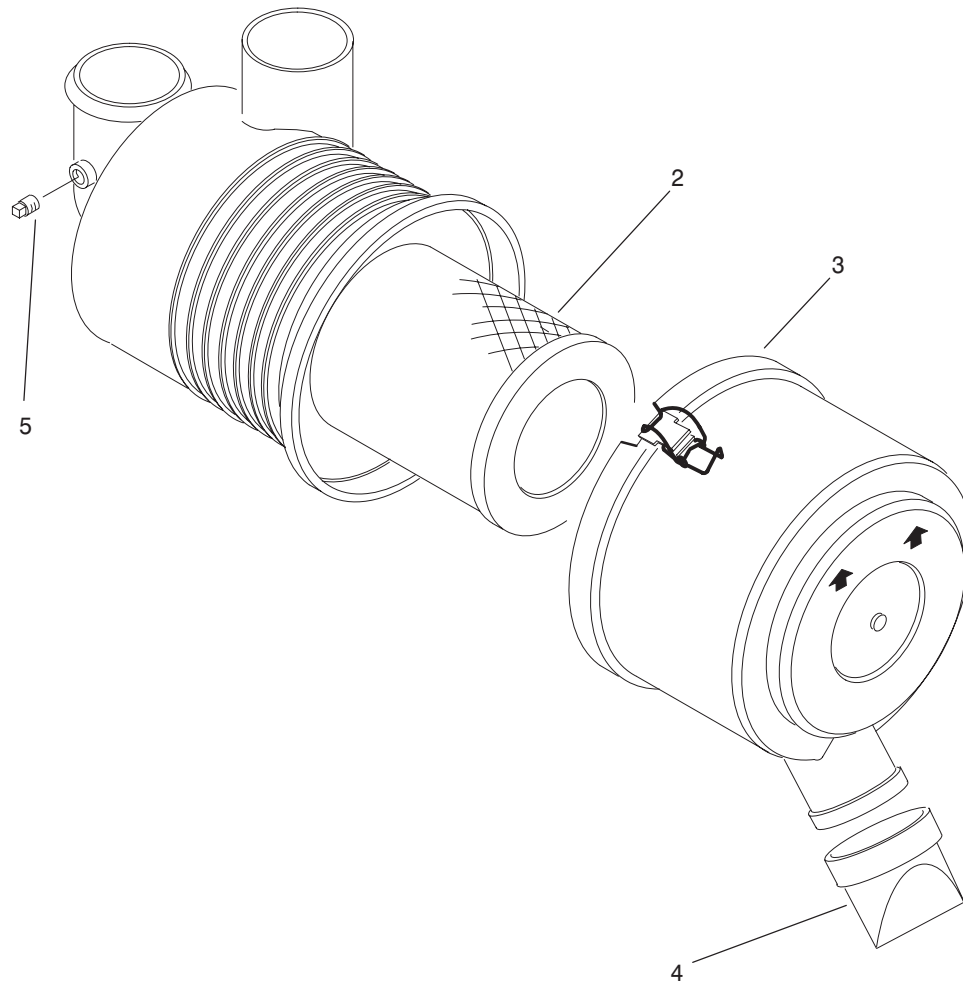


Sheet No.:9

Muffler, Air Cleaner and Oil Cooler Assembly

Ref. No.	Part No.	Qty.	Description
1	104-4034	1	Muffler
2	99-9179	1	Gasket-Exhaust
3	104-4035	1	Header-Muffler
4	104-4036	1	Tailpipe
5	95-5622	1	Hanger-Rubber
6	104-4038	1	Isolator-Rubber
7	104-4090	1	Clamp-Muffler
8	104-6478	2	Spring-Coupler, Exhaust
9	104-3884-03	1	Bracket-Cleaner, Air
10	95-5806	1	Bracket-Mounting
11	3234-17	5	Screw-HHF
12	32128-44	5	Nut
13	93-2190	1	Air Cleaner ASM
14	104-3908	1	Hose-Intake, Air
15	2412-92	2	Clamp-Hose
16	322-23	2	Screw-HH
17	3296-29	5	Nut-Lock, NI
18	33004-00	2	Nut-HF
19	83-8210-03	1	Panel-Front, Left
20	93-6932	1	Cooler-Oil
21	83-7970	2	Connector
21:1	237-30	1	O-Ring
22	88-6730-03	1	Bracket-Screen, Front
23	340-127	2	Nut-Bulkhead
24	93-6803	2	Fitting-90°

Ref. No.	Part No.	Qty.	Description
25	93-7159	2	Handle-Knob
26	104-4004	1	Hose
27	93-6805	1	Hose
28	2412-36	2	Clamp-Hose
29	32153-3	2	Nut-Lock
30	93-6933	1	Sleeve-Protective
32	93-5023	2	Spacer
33	322-7	2	Screw-HH
34	3256-3	4	Washer-Flat
35	3256-23	1	Washer-Flat

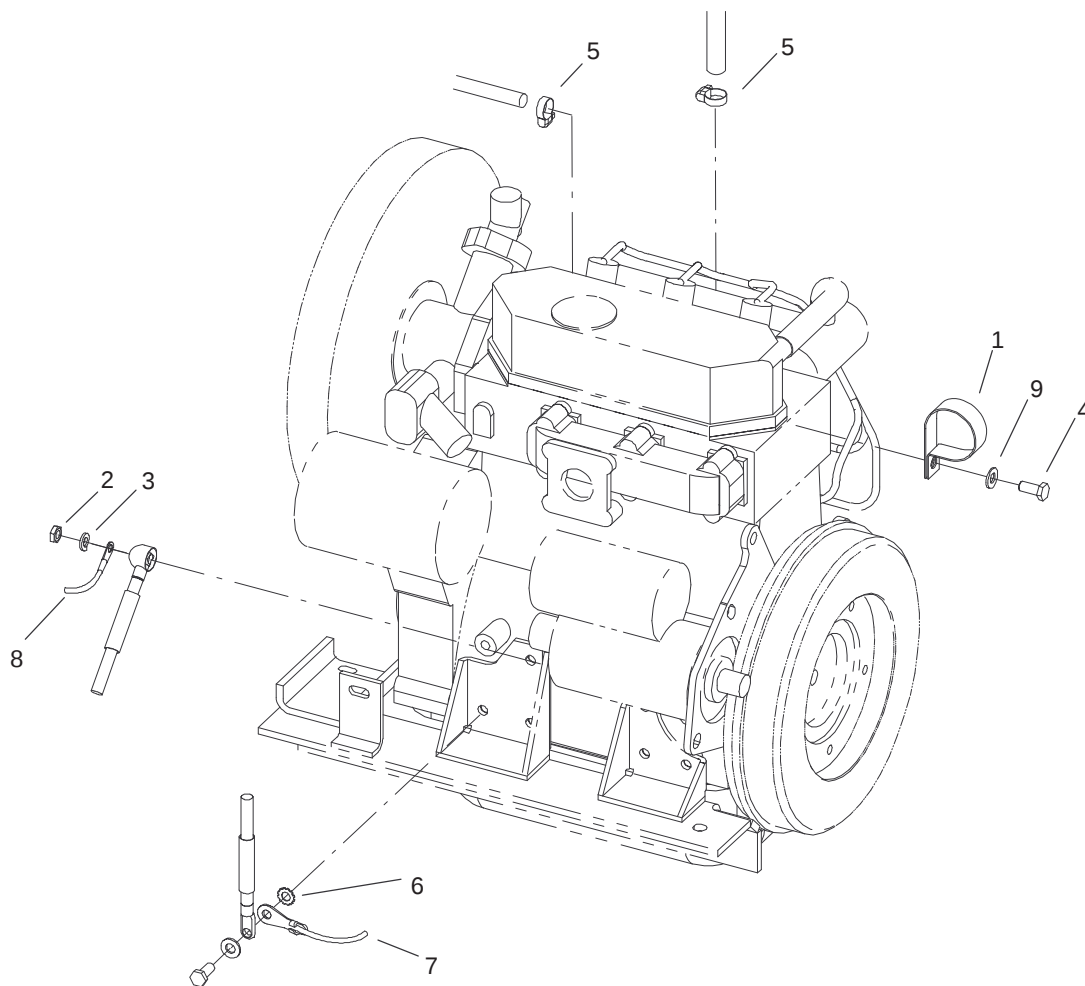


Sheet No.:A2
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Air Cleaner Assembly No. 93-2190

Ref. No.	Part No.	Qty.	Description
2	93-2195	1	Filter
3	94-3652	1	Cover ASM
4	94-1414	1	Valve-Vacuator
5	285-17	1	Plug-Pipe

Ref. No.	Part No.	Qty.	Description



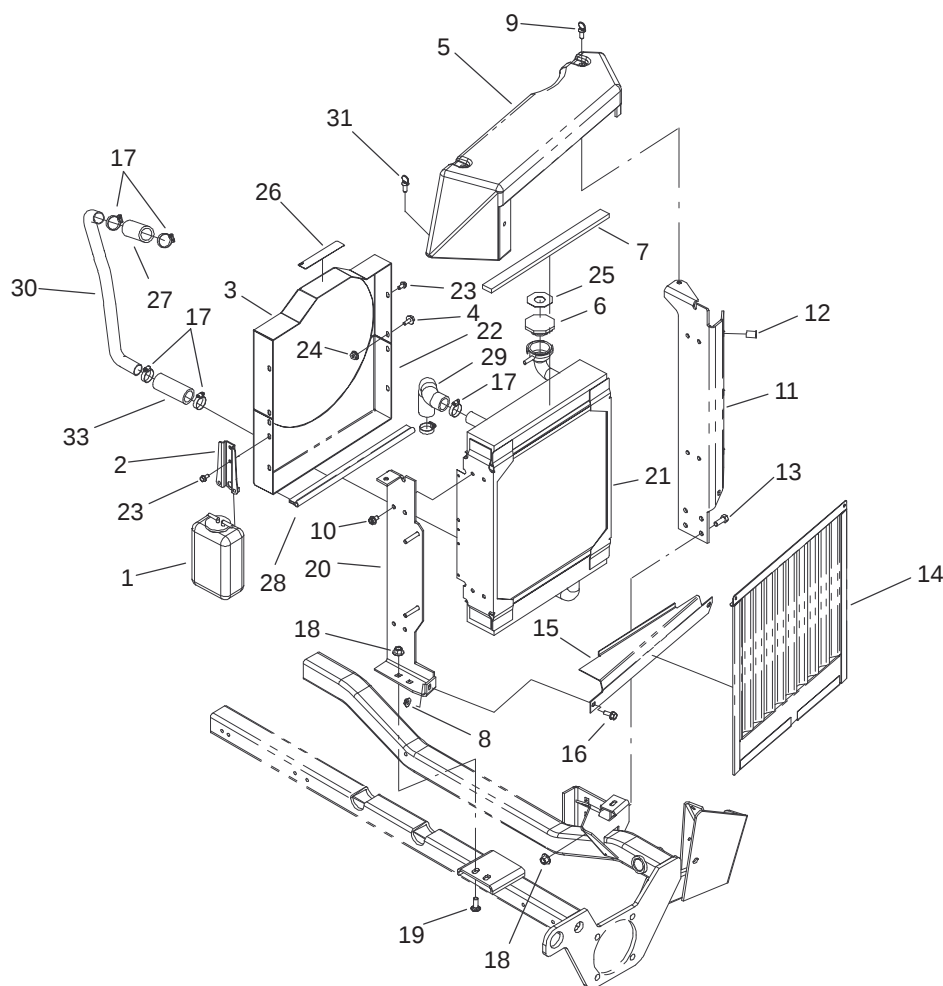
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Engine Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	2412-96	2	Clamp-R
2	57-6390	1	Nut-Jam
3	42-9850	1	Washer-Lock, Spring
4	33114-016	2	Screw-HH
5	2412-108	2	Clamp-Worm
6	3255-8	1	Washer-Lock
7	104-3986	1	Harness-Wire, Engine
*7:1	100-4918	1	Diode
8	99-3441	1	Harness-Wire, Fusible Link
9	3256-23	2	Washer-Flat

Ref. No.	Part No.	Qty.	Description

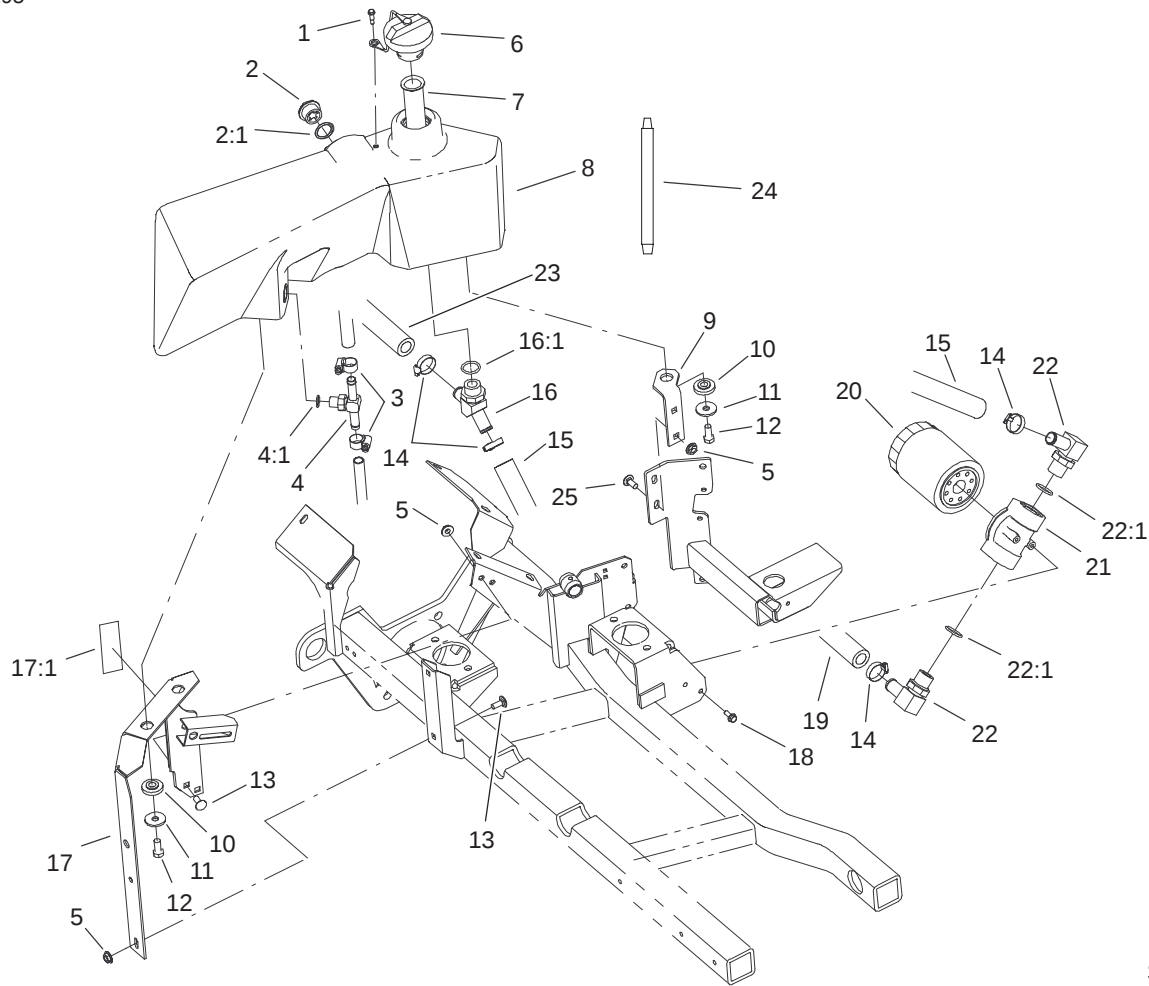
* Not illustrated



Sheet No.:11

Radiator Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	104-3930	1	Tank-Radiator, Surge	23	32104-116	7	Screw
2	104-3931	1	Mounting-Tank, Surge	24	32128-33	2	Nut-HF
3	104-3944-03	1	Shroud-Radiator, Top	25	93-7840	1	Decal-Cap, Radiator
4	3234-4	2	Screw-HHF	26	93-7272	1	Decal-Warning
5	83-8040	1	Cover-Left	27	104-3912	1	Hose-Radiator
6	66-3240	1	Cap-Radiator	28	104-4029	2	Seal-Bulb
7	83-9030	1	Foam-Top	29	104-3911	1	Hose-Radiator, Top
8	32128-44	3	Nut	30	104-3914-03	1	Tube-Radiator
9	104-4000	2	Screw-Thumb	31	3234-17	1	Screw-HHF
10	3234-28	8	Screw-HHF	33	104-4068	1	Hose-Radiator
11	104-4006-03	1	Rear Radiator Bracket ASM				
12	32148-8	3	Insert-Threaded				
13	323-6	4	Screw-HH				
14	83-8150-03	1	Screen ASM				
15	83-8070-03	1	Shield-Radiator, Bottom				
16	3234-5	2	Screw				
17	2412-34	6	Clamp-Hose				
18	32128-43	6	Nut-Flange				
19	3231-22	2	Screw-CARR				
20	104-4008-03	1	Front Radiator Bracket ASM				
21	104-3861	1	Radiator ASM				
22	104-3945-03	1	Shroud-Radiator, Bottom				

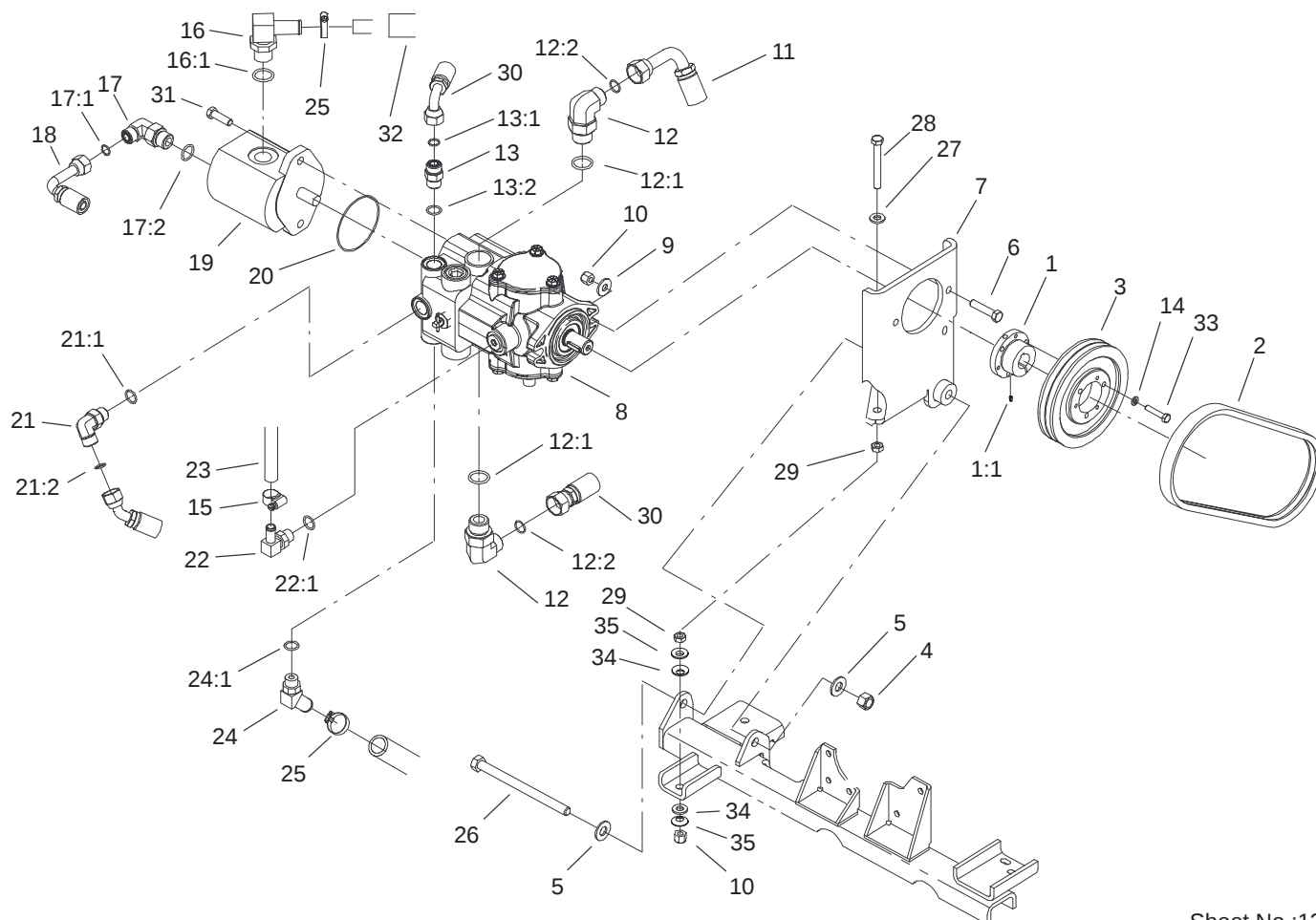


Sheet No.:12

Hydraulic Tank and Filter Assembly

Ref. No.	Part No.	Qty.	Description
1	57-5420	1	Screw-Shoulder
2	69-1170	1	Glass-Sight
2:1	237-81	1	O-Ring
3	2412-36	2	Clamp-Hose
4	104-3963	1	Fitting-Tee
4:1	237-65	1	O-Ring
5	32128-44	6	Nut
6	93-7160	1	Cap-Oil, HYD
7	61-2790	1	Filter-Screen
8	93-6811	1	Tank-HYD
9	83-9920	1	Bracket-Tank, HYD
10	240-11	3	Grommet-Mount, Tank
11	63-8410	3	Washer
12	323-5	3	Screw-HH
13	3230-23	4	Screw-CARR
14	2412-34	4	Clamp-Hose
15	104-4089	1	Hose-Suction
16	93-6794	1	Fitting-45°
16:1	237-81	1	O-Ring
17	104-3980	1	U-Bracket ASM
17:1	67-5360	1	Decal-Danger
18	3234-33	2	Screw-HHF
19	104-4011	1	Hose-Suction
20	54-0110	1	Filter-Oil, Transmission

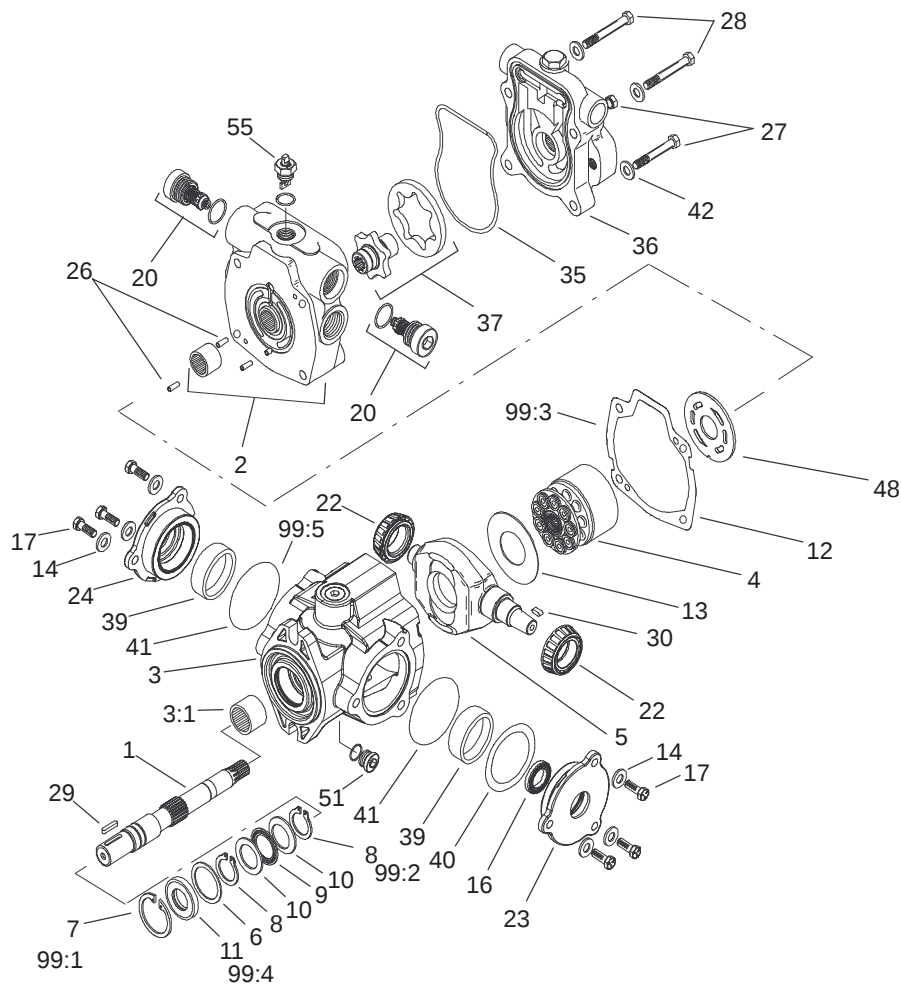
Ref. No.	Part No.	Qty.	Description
21	68-8990	1	Filter Head ASM
22	353-987	2	Fitting-HYD, 90°
22:1	237-81	1	O-Ring
23	93-6857	1	Hose-Suction
24	88-9220	1	Plug-Reservoir
25	3234-5	2	Screw



Sheet No.:13

Hydraulic Pump Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	93-6842	1	Bushing-Lock, Taper	19	99-6131	1	Pump-Drive, Reel
1:1	3245-36	1	Screw-HSH	20	353-949	1	O-Ring
2	93-6840	1	V-Belt	21	340-98	1	Fitting-HYD, 90°
3	93-6841	1	Pulley	21:1	237-79	1	O-Ring
4	3296-23	1	Nut-Lock, NI	21:2	237-30	1	O-Ring
5	87-7270	2	Washer-Thrust	22	93-6795	1	Fitting-90°
6	323-9	2	Screw-HH	22:1	237-79	1	O-Ring
7	104-3898-03	1	Pump Support ASM	23	104-4059	1	Hose-Return
8	104-3874	1	Pump-Piston, HYD	24	93-6848	1	Fitting-HYD
9	80-6990	2	Washer-Hardened	24:1	237-79	1	O-Ring
10	3296-39	3	Nut-Lock, NI	25	2412-34	2	Clamp-Hose
11	104-3999	1	Hose ASM	26	325-33	1	Screw-HH
12	340-139	2	Fitting-HYD, 90°	27	100-4852	1	Washer-Hardened
12:1	237-81	1	O-Ring	28	323-49	1	Bolt-TAP
12:2	237-65	1	O-Ring	29	3217-7	2	Nut-Hex
13	340-4	1	Adapter	30	104-3998	1	Hose ASM
13:1	237-30	1	O-Ring	31	323-7	2	Screw-HH
13:2	237-79	1	O-Ring	32	94-3688	1	Sleeve-Protective
14	3253-3	3	Washer-Lock	33	321-13	3	Screw-HH
15	2412-36	1	Clamp-Hose	34	104-4067	2	Washer
16	353-987	1	Fitting-HYD, 90°	35	104-4066	2	Washer
16:1	237-81	1	O-Ring				
17	340-105	1	Fitting-90°				
17:1	237-80	1	O-Ring				
17:2	237-30	1	O-Ring				
18	104-4003	1	Hose ASM				

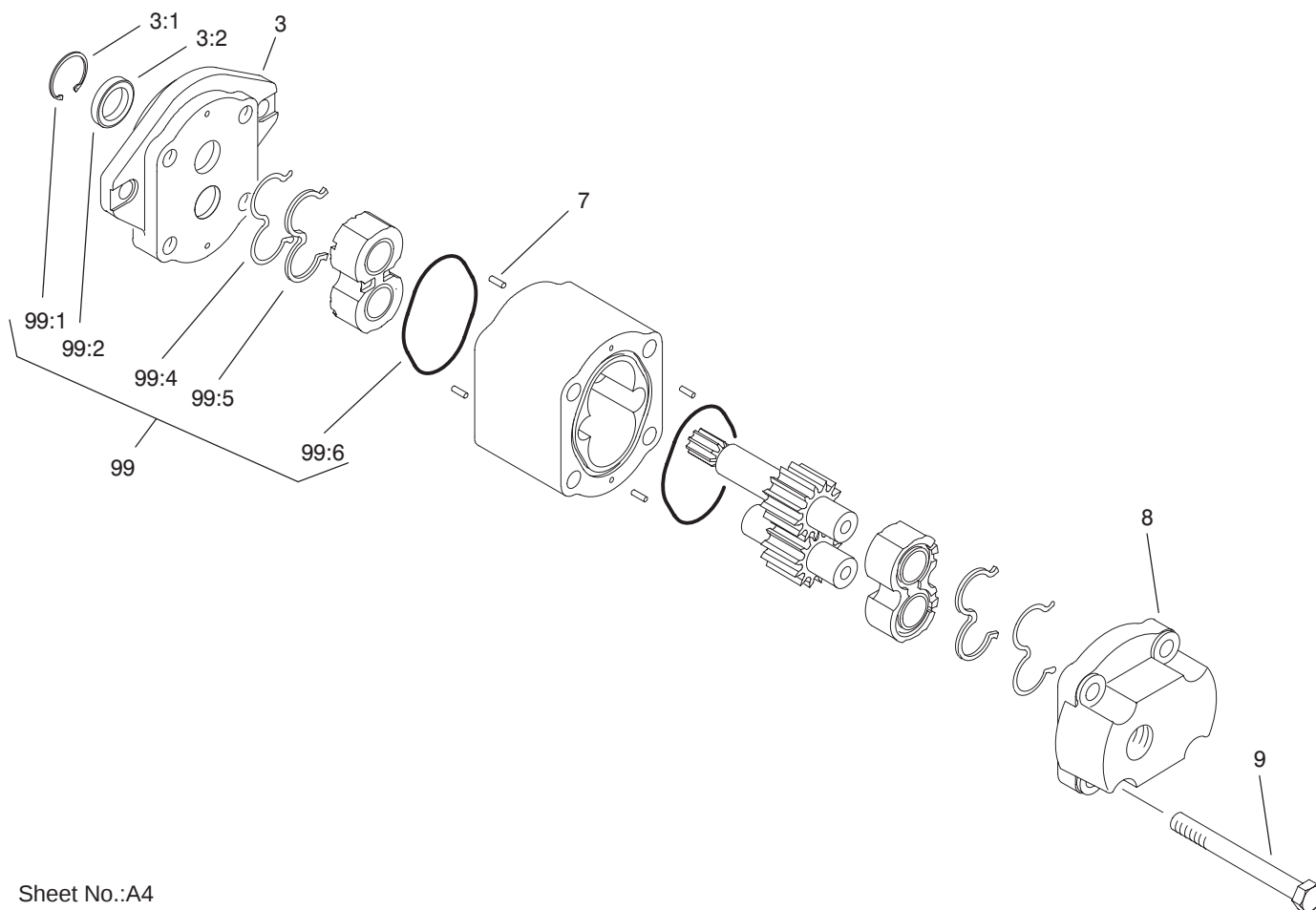


Sheet No.:A3

Hydraulic Piston Pump Assembly No. 104–3874

Ref. No.	Part No.	Qty.	Description
1	94–3642	1	Shaft–Drive
2	104–4047	1	Endcover
3	100–3176	1	Housing ASM
3:1	94–6363	1	Bearing
4	76–6070	1	Rotating Kit
5	100–3175	1	Camplate
6	33–3720	1	Washer
7	93–6390	1	Ring–Snap
8	32151–29	2	Ring–Retaining
9	252–66	1	Bearing–Thrust
10	252–71	2	Washer–Thrust
11	104–4861	1	Seal–Shaft
12	33–4930	1	Gasket–Housing
13	98–4635	1	Insert–Plate, Cam
14	105–9762	6	Washer
16	76–6190	1	Seal–Shaft
17	98–4640	6	Screw–Cap
20	105–3812	2	Valve–Check
22	98–4639	2	Bearing–Cone
23	98–4645	1	Plate–Cover
24	98–4644	1	Plate–Cover
26	76–6150	2	Pin–Dowel
27	104–4042	2	Screw–Cap
28	104–4043	2	Screw–Cap
29	94–3645	1	Key
30	94–3646	1	Key

Ref. No.	Part No.	Qty.	Description
35	104–4044	1	O–Ring
36	104–4045	1	Charge Pump Adapter ASM
37	94–3648	1	Gerotor & Coupler ASM
39	104–4046	2	Bearing–Cup
40	100–3182	2	Shim Kit
41	100–3179	2	O–Ring
42	104–4048	4	Washer
48	104–4049	1	Plate–Valve
51	74–9280	1	Plug ASM
55	105–3811	1	Valve–Bypass
99	104–4868	1	Seal Repair Kit
99:1	32151–13	1	Ring–Retaining
99:2	32151–29	1	Ring–Retaining
99:3	33–4930	1	Gasket–Housing
99:4	104–4861	1	Seal–Shaft
99:5	100–3179	1	O–Ring



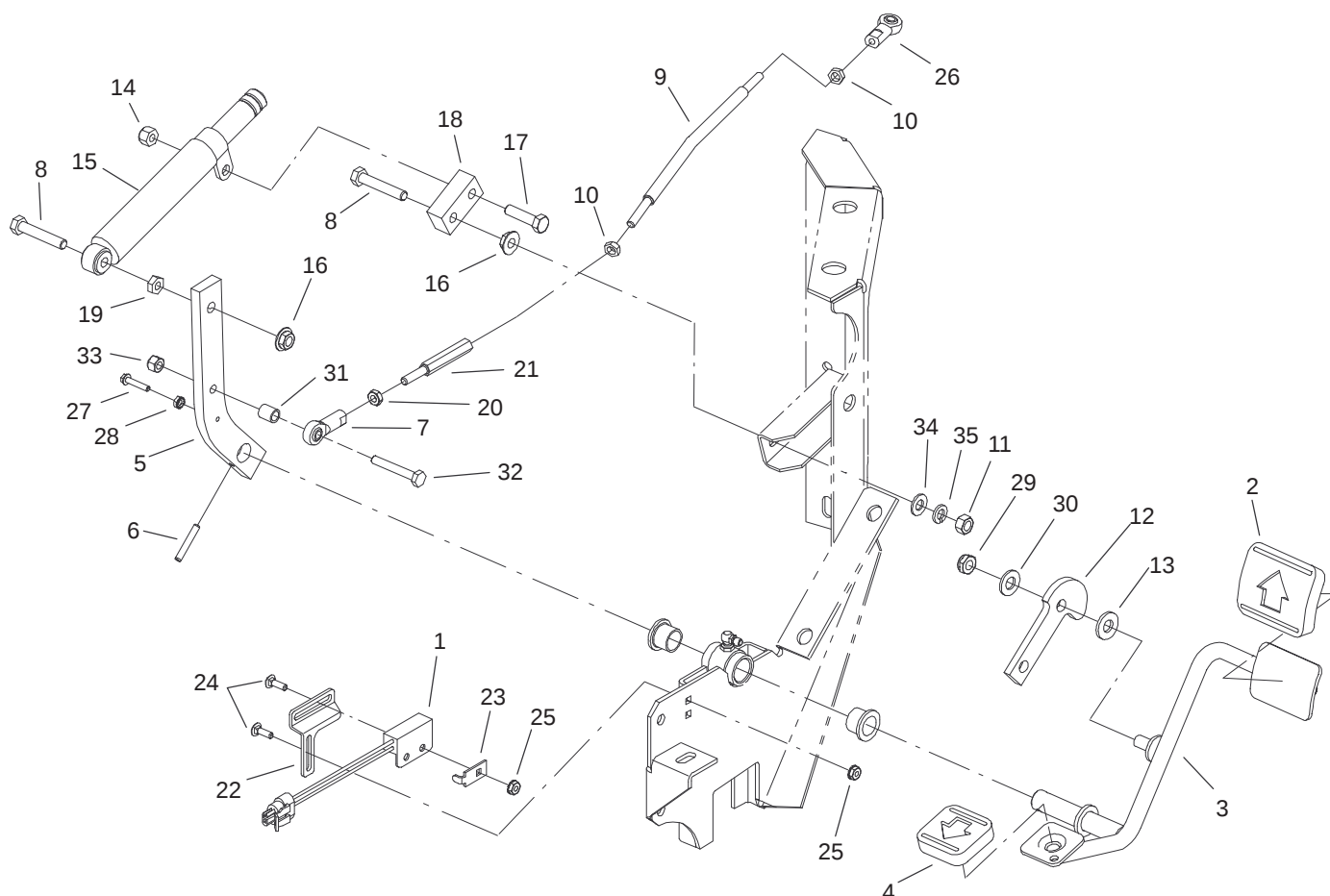
Sheet No.:A4
T-3713

Reel Drive Pump Assembly No. 99-6131

Ref. No.	Part No.	Qty.	Description
3	94-3624	1	Flange Kit
☆3:1		1	Ring-Retaining
☆3:2		2	Seal-Shaft
7	94-3625	4	Pin-Dowel
8	94-3626	1	Cover-End
9	94-3639	4	Screw-HH
99	99-6132	1	Seal Kit
☆99:1		1	Ring-Retaining
☆99:2		2	Seal-Shaft
☆99:4		2	Seal-E
☆99:5		2	Ring-Backup
☆99:6		2	O-Ring

Ref. No.	Part No.	Qty.	Description

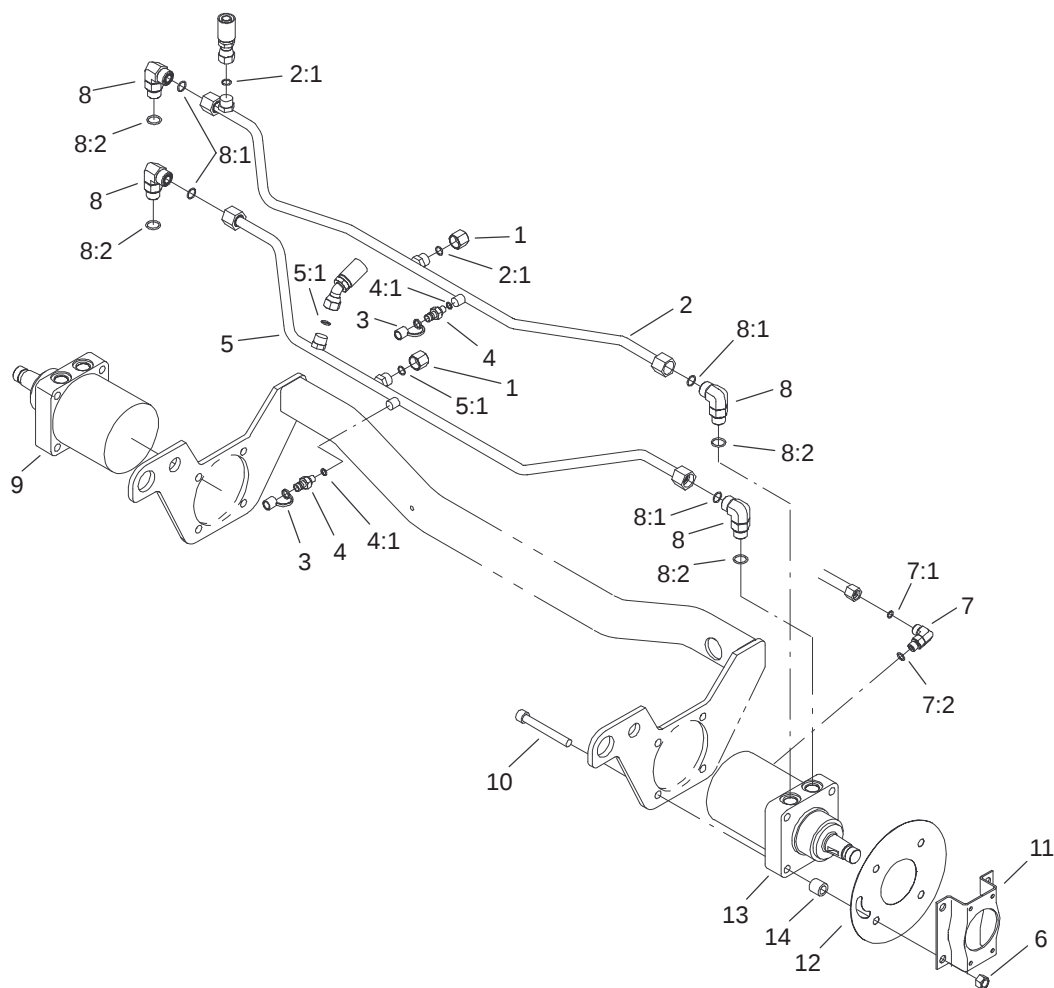
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Sheet No.:15

Traction Control Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	105-0023	1	Switch-Proximity	27	32105-29	1	Screw-SHWH
2	74-9100	1	Pad-Pedal, Forward	28	32149-9	1	Nut
3	104-3938-03	1	Traction Pedal ASM	29	3296-59	1	Nut-Lock, NI
4	74-9110	1	Pad-Pedal, Reverse	30	3256-24	1	Washer-Flat
5	104-3939	1	Arm-Traction	31	93-6859	1	Spacer
6	32121-6	1	Pin-Roll	32	321-10	1	Screw-HH
7	104-4013	1	Joint-Ball, LH	33	3296-42	1	Nut-Lock, NI
8	322-9	2	Screw-HH	34	3256-23	1	Washer-Flat
9	104-3977	1	Rod-Control, Pump	35	3253-4	1	Washer-Lock
10	3220-1	2	Nut-Jam				
11	3217-6	1	Nut-Hex				
12	74-6110	1	Stop-Traction				
13	66-2920	1	Washer-Friction				
14	3296-29	1	Nut-Lock, NI				
15	76-8870	1	Lever Damper ASM				
16	32128-44	2	Nut				
17	322-6	1	Screw-HH				
18	76-9760	1	Damper-Pivot				
19	3218-2	1	Nut-Jam				
20	104-3941	1	Nut-Jam				
21	104-3978	1	Nut-Rod				
22	104-3979	1	Bracket-Switch				
23	100-4872	1	Plate-Switch, Neutral				
24	3229-34	3	Bolt-CARR				
25	32149-7	3	Nut-Keps				
26	2411-41	1	Joint-Ball, Superior				

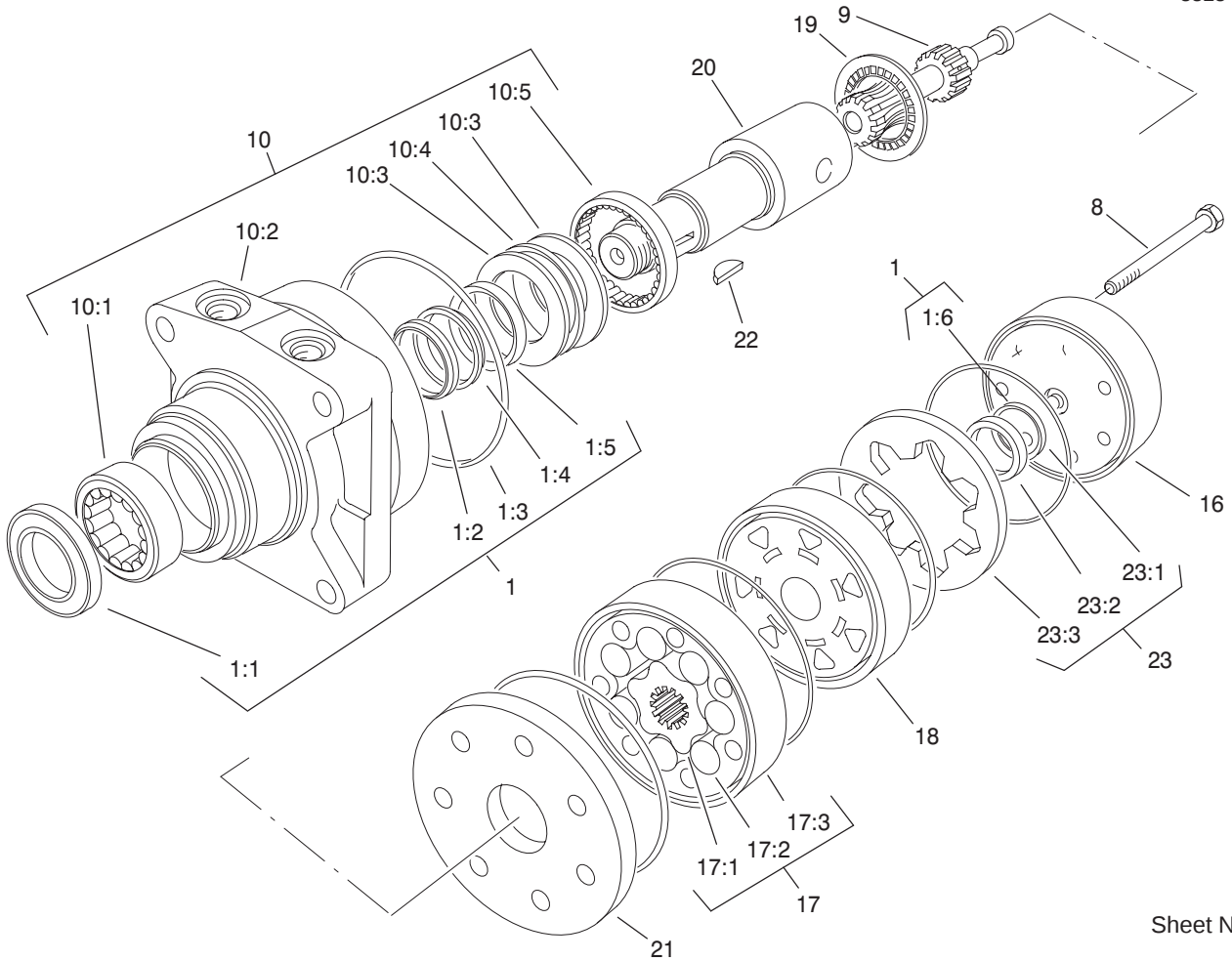


Sheet No.:16

Hydraulic Motor Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	340-152	2	Cap-HYD
2	104-3984	1	Front Tube ASM
2:1	237-30	2	O-Ring
3	354-79	2	Cap-Dust, Yellow
4	354-77	2	Fitting-Quick
4:1	237-78	1	O-Ring
5	104-3983	1	Rear Tube ASM
5:1	237-30	2	O-Ring
6	3296-23	8	Nut-Lock, NI
7	340-77	1	Fitting-HYD, 90°
7:1	237-22	1	O-Ring
7:2	237-42	1	O-Ring
8	340-17	4	Fitting-HYD, 90°
8:1	237-65	1	O-Ring
8:2	237-80	1	O-Ring
9	75-9990	1	HYD Motor ASM
10	3274-99	8	Screw-HSH
11	84-2000-03	2	Bracket-Brake
12	93-6905-03	2	Shield-Wheel
13	93-6888	1	Motor-Wheel
14	94-5135	8	Spacer

Ref. No.	Part No.	Qty.	Description



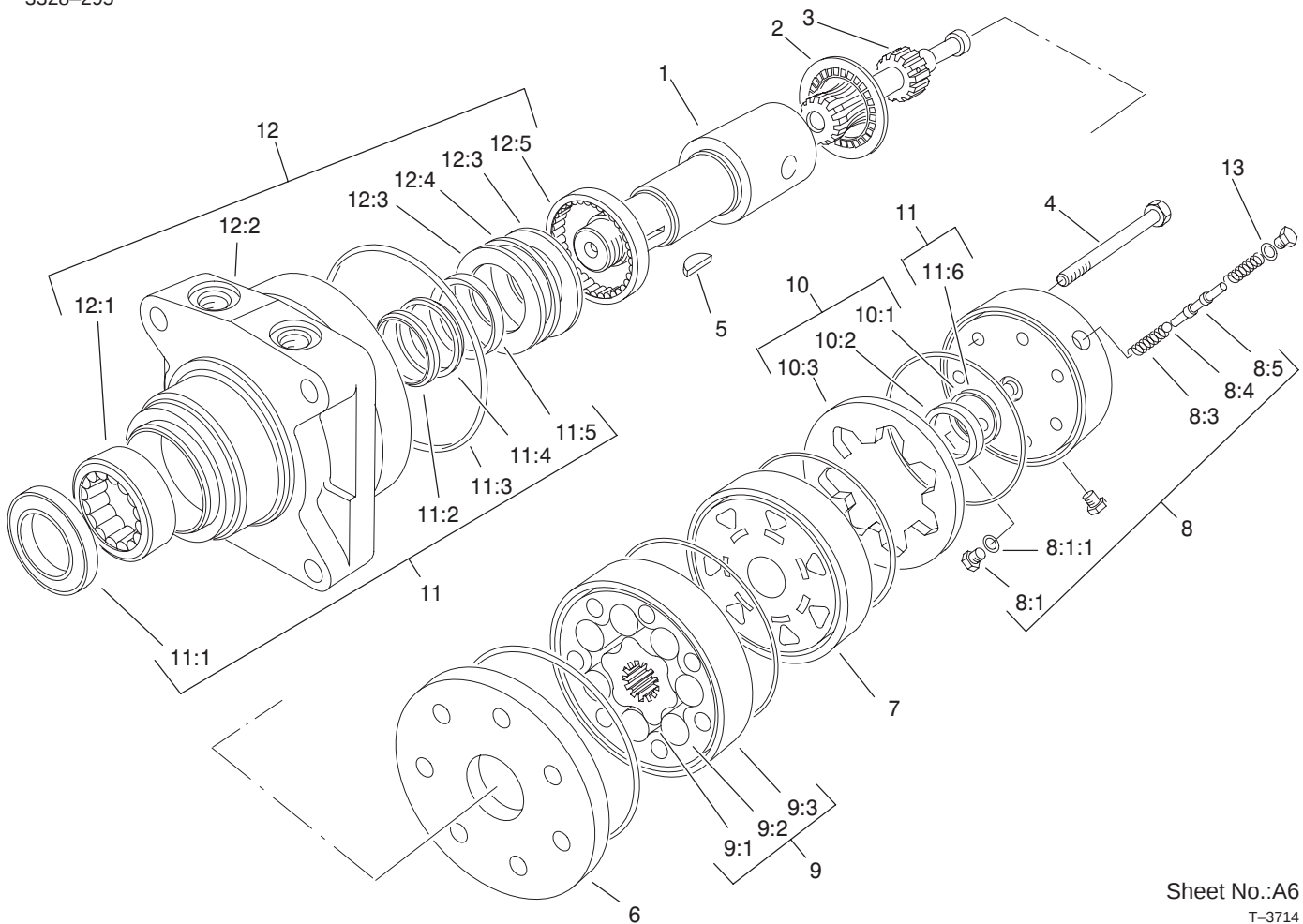
Sheet No.:A5
T-3824

Hydraulic Motor Assembly No. 75-9990

Ref. No.	Part No.	Qty.	Description
1	76-0800	1	Seal Kit
☆1:1		1	Seal-Dirt & Water
☆1:2		1	Washer-Back-Up
☆1:3		5	Ring-Seal
☆1:4		1	Washer-Back-Up
☆1:5		1	Seal-Inner
☆1:6		1	Seal-Commutator
8	76-1010	7	Screw
9	76-0960	1	Link-Drive
10	76-0810	1	Housing ASM
☆10:1		1	Bearing
☆10:2		1	Housing
☆10:3		2	Washer-Thrust
☆10:4		1	Bearing-Thrust
☆10:5		1	Bearing
16	76-0940	1	End Cover ASM
17	76-0970	1	Set-Rotor
☆17:1		1	Rotor
☆17:2		7	Vane
☆17:3		1	Stator
18	76-0840	1	Manifold
19	76-0850	1	Bearing-Thrust
20	76-0860	1	Shaft-Coupling
21	76-0870	1	Plate-Wear
22	3257-42	1	Key-Woodruff
23	76-0880	1	Commutator ASM

Ref. No.	Part No.	Qty.	Description
☆23:1		1	Seal-Commutator
☆23:2		1	Commutator
☆23:3		1	Ring-Commutator

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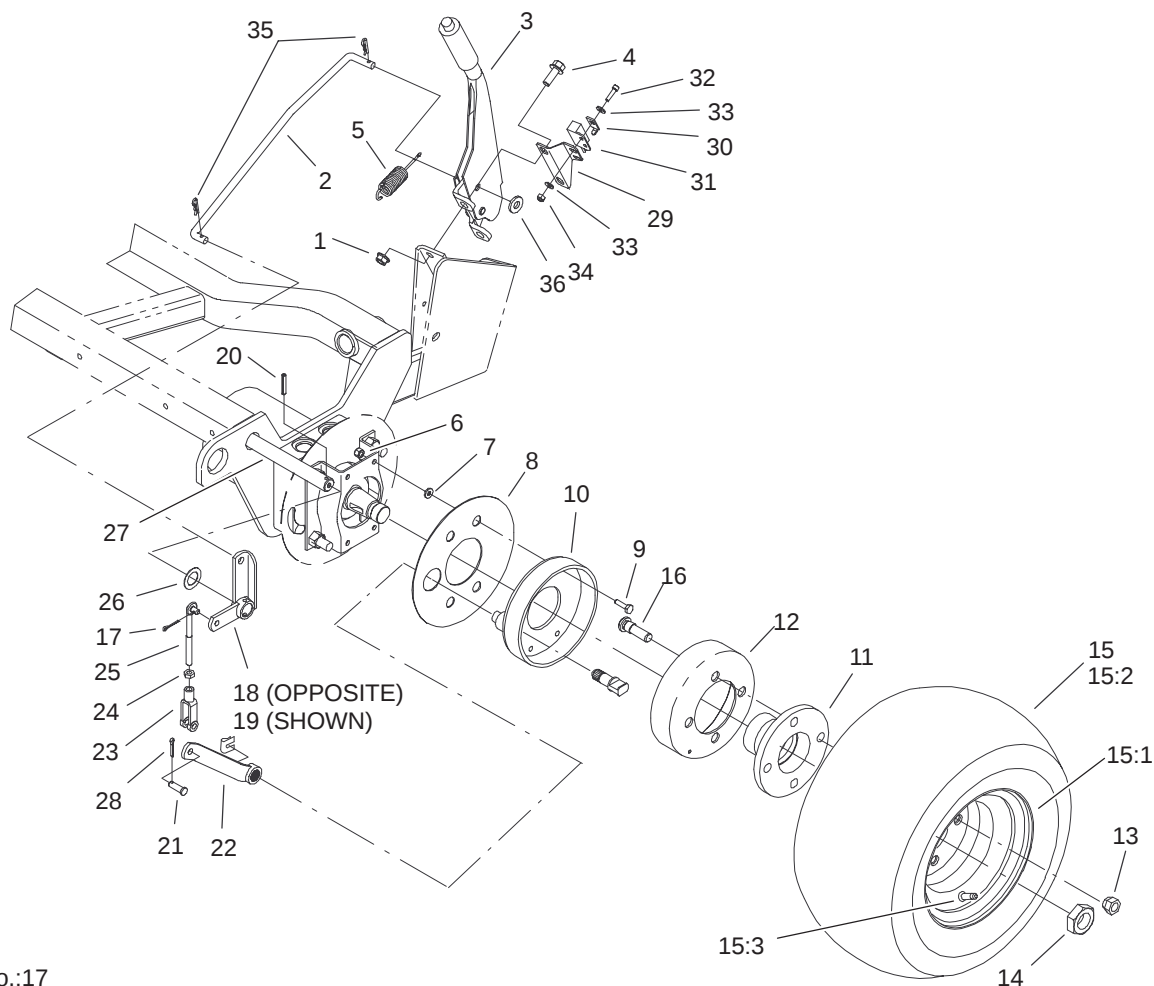
T-3714

Wheel Motor Assembly No. 93-6888

Ref. No.	Part No.	Qty.	Description
1	76-0860	1	Shaft-Coupling
2	76-0850	1	Bearing-Thrust
3	76-0960	1	Link-Drive
4	94-3662	7	Screw-Cap, HH
5	3257-42	1	Key-Woodruff
6	76-0870	2	Plate-Wear
7	76-0840	1	Manifold
8	76-0890	1	End Cover ASM
8:1	353-990	2	Plug
8:1:1	237-78	1	O-Ring
☆8:3		2	Spring
☆8:4		1	Ball
☆8:5		1	Valve-Shuttle
9	76-0970	1	Set-Rotor
☆9:1		1	Rotor
☆9:2		7	Vane
☆9:3		1	Stator
10	76-0880	1	Commutator ASM
☆10:1		1	Seal-Commutator
☆10:2		1	Commutator
☆10:3		1	Ring-Commutator
11	76-0800	1	Seal Kit
☆11:1		1	Seal-Dirt & Water
☆11:2		1	Washer-Back-Up
☆11:3		5	Ring-Seal
☆11:4		1	Washer-Back-Up

Ref. No.	Part No.	Qty.	Description
☆11:5		1	Seal-Inner
☆11:6		1	Seal-Commutator
12	76-0810	1	Housing ASM
☆12:1		1	Bearing
☆12:2		1	Housing
☆12:3		2	Washer-Thrust
☆12:4		1	Bearing-Thrust
☆12:5		1	Bearing
13	237-78	2	O-Ring

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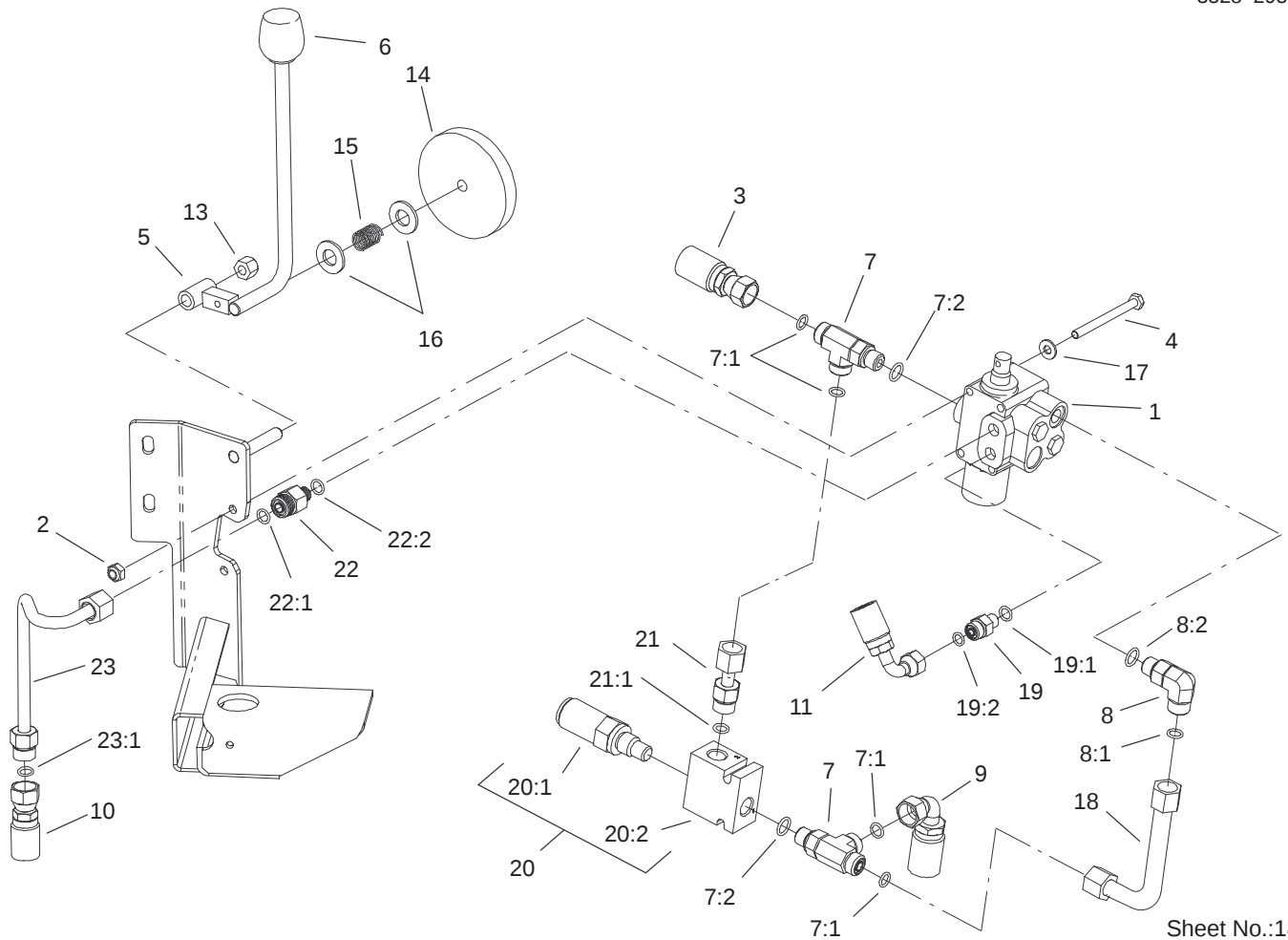


Sheet No.:17

Front Wheel and Brake Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3290-357	2	Nut-HHF	24	3220-2	2	Nut
2	104-3907	1	Rod-Brake	25	84-1990	2	Rod-Adjusting
3	104-3903	1	Lever-Brake, Parking	26	3-6498	2	Washer-Thrust
4	3234-11	2	Screw-HHF	27	83-9330	1	Shaft-Brake
5	104-4010	1	Spring-Extension	28	3272-10	2	Pin-Cotter
6	3296-42	8	Nut-Lock	29	104-4052-03	1	Bracket-Switch, Brake
7	3256-16	8	Washer-Flat	30	100-4872	1	Plate-Switch, Neutral
8	83-9340	2	Shield-Brake, Grass	31	100-1270	1	Switch-Proximity
9	321-5	8	Screw-HH	32	3274-14	1	Screw-HSH
10	104-7705	2	Brake ASM	33	3256-14	2	Washer-Flat
11	93-6838-03	2	Hub-Wheel	34	3296-2	1	Nut-Lock
12	10-6850	2	Drum-Brake	35	3290-307	2	Pin-Hair
13	242-50	8	Nut-Lug	36	3256-24	1	Washer-Flat
14	26-3790	2	Nut-Lock				
★15		2	Front Tire/Wheel ASM				
15:1	93-6881	1	Rim ASM				
15:2	99-4506	1	Tire-Mate, Turf				
15:3	232-27	1	Stem-Valve				
16	85-6540	8	Stud-Drive				
17	3272-6	2	Pin-Cotter				
18	83-9310	1	RH Brake Lever ASM				
19	104-3928	1	LH Brake Lever ASM				
20	32121-6	2	Pin-Roll				
21	283-1	2	Pin-Yoke				
22	93-6850	2	Lever-Brake				
23	282-2	2	Yoke				

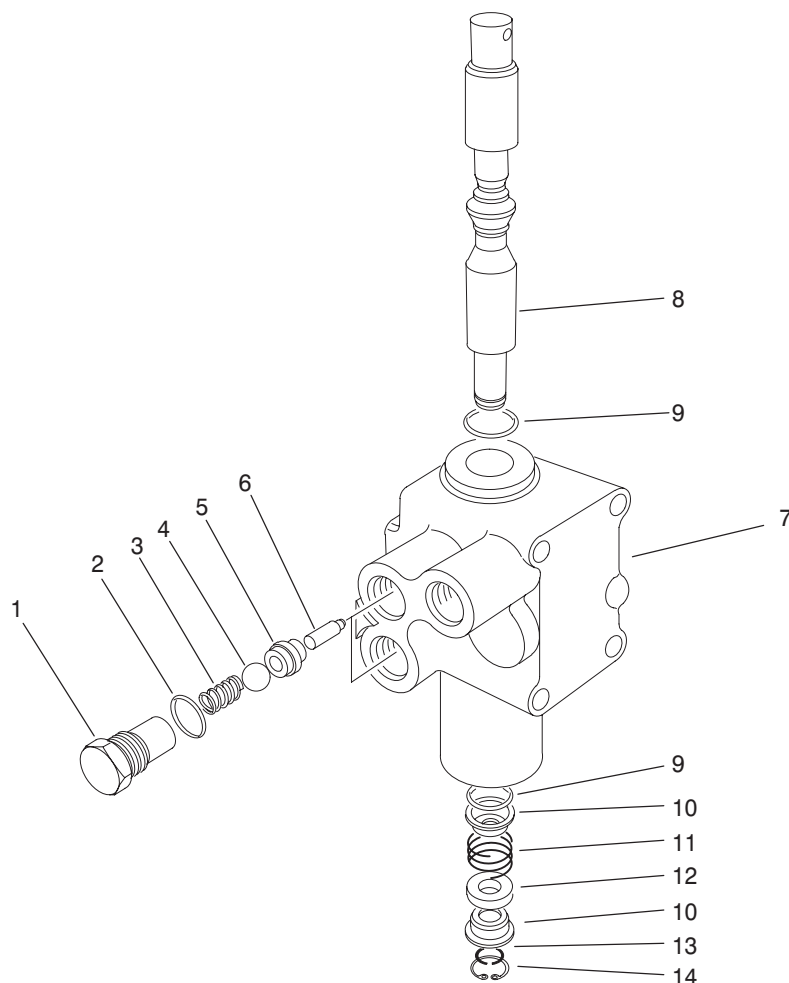
★ Not serviced separately



Hydraulic Valve Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	43-1950	1	Valve-Control, HYD
2	3296-16	2	Nut-Lock, NI
3	104-4081	1	Hose ASM
4	321-23	2	Screw-HH
5	85-5160-03	1	Lever-Valve
6	233-37	1	Knob
7	340-86	2	Fitting-Tee, HYD
7:1	237-22	2	O-Ring
7:2	237-42	1	O-Ring
8	340-77	1	Fitting-HYD, 90°
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	104-4082	1	Hose ASM
10	104-4001	1	Hose ASM
11	104-4083	1	Hose ASM
13	3296-39	1	Nut-Lock, NI
14	94-5119	1	Sponge
15	65-9940	1	Spring
16	3256-26	2	Washer-Flat
17	3256-22	2	Washer-Flat
18	93-6922	1	HYD Tube ASM
19	340-92	1	Fitting-HYD, Straight
19:1	237-78	1	O-Ring
19:2	237-21	1	O-Ring
20	93-6921	1	Valve-Relief
20:1	94-3607	1	Cartridge-Valve, Relief

Ref. No.	Part No.	Qty.	Description
20:2	94-3608	1	Body-Valve, Relief
21	93-6923	1	HYD Tube ASM
21:1	237-42	1	O-Ring
22	340-88	1	Adapter
22:1	237-22	1	O-Ring
22:2	237-78	1	O-Ring
23	104-4085	1	HYD Tube ASM
23:1	237-22	1	O-Ring



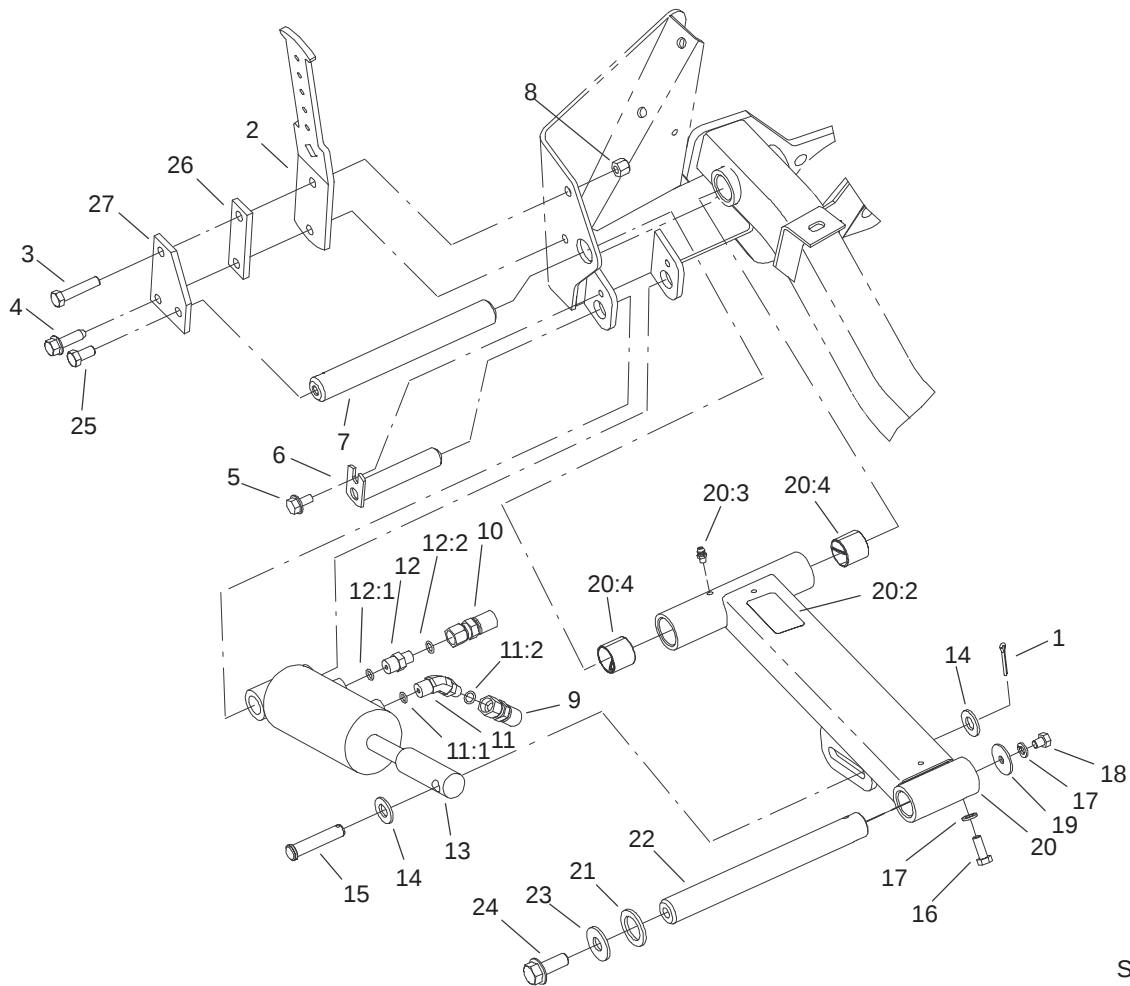
Sheet No.:A8
T-3720

Hydraulic Control Valve No. 43-1950

Ref. No.	Part No.	Qty.	Description
1	22-8330	2	Plug
2	237-42	2	O-Ring
3	22-8340	2	Spring
4	22-8350	2	Ball
5	22-8370	2	Seat-Valve
6	22-8360	2	Pin
☆7		1	Body
8	22-8420	1	Spool
9	22-8500	2	O-Ring
10	22-8380	2	Retainer
11	22-8410	1	Spring
12	23-3030	1	Spacer
13	22-8480	1	Ring-Snap
14	22-8490	1	Ring-Snap

Ref. No.	Part No.	Qty.	Description

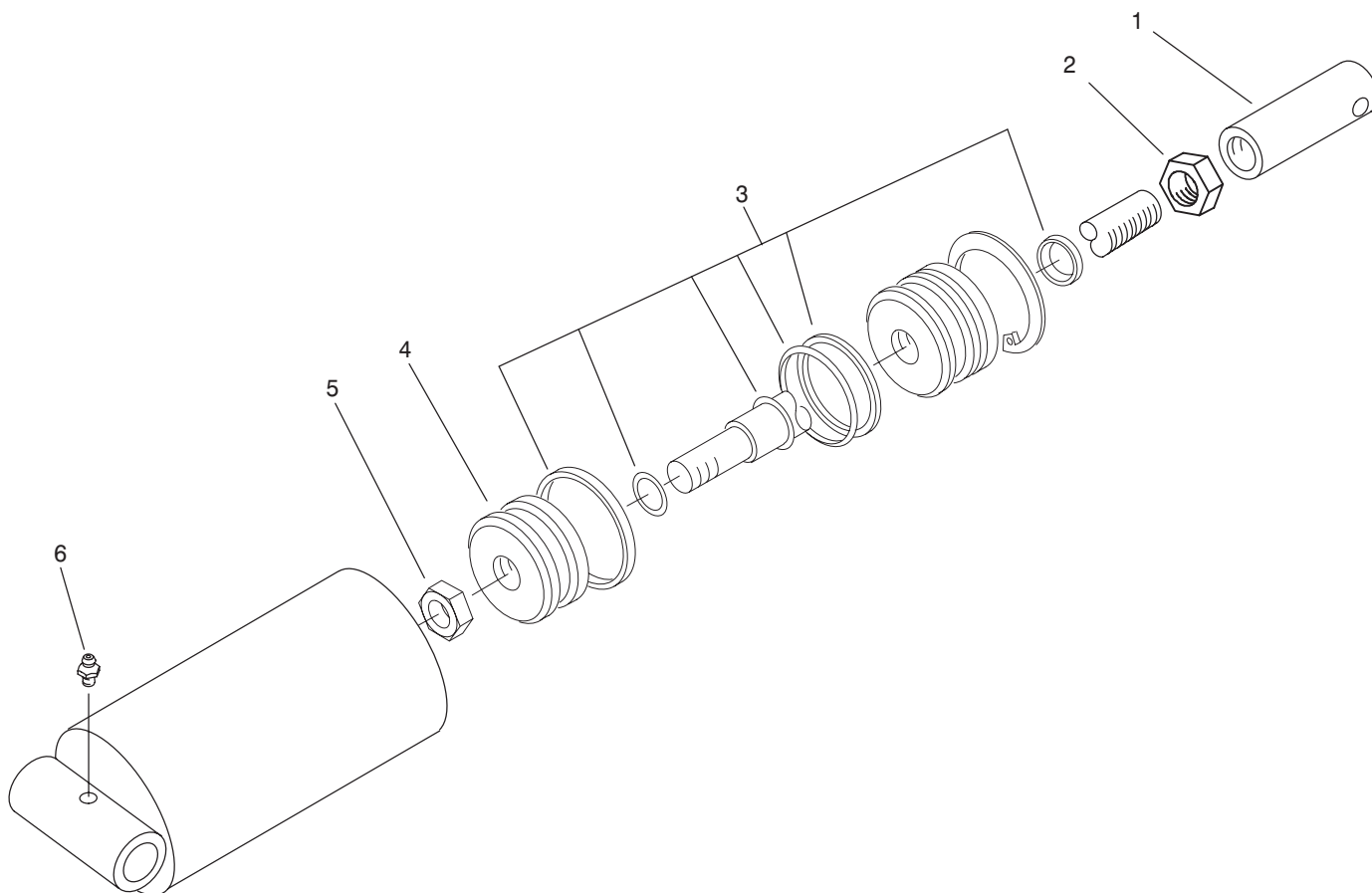
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Sheet No.:19

Rear Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3272-11	1	Pin-Cotter	20:4	3-0348	2	Bushing
2	92-1818-01	1	Arm-Spring, Tension	21	256-115	1	Washer-Thrust
3	323-9	1	Screw-HH	22	99-2338	1	Shaft-Pivot
4	32144-109	1	Screw	23	3256-6	1	Washer-Flat
5	32144-14	1	Screw-HWH	24	3234-32	1	Screw-HHF
6	93-6893	1	Pin-Pivot, Ram	25	323-4	1	Screw-HH
7	92-1812	1	Shaft-Pivot, Lift	26	98-3445	1	Spacer
8	3296-39	1	Nut-Lock, NI	27	98-3446	1	Plate-Reinforcement
9	104-4002	1	Hose ASM				
10	94-5008	1	Hose ASM				
11	340-103	1	Fitting-HYD, 45°				
11:1	237-78	1	O-Ring				
11:2	237-21	1	O-Ring				
12	340-92	1	Fitting-HYD, Straight				
12:1	237-78	1	O-Ring				
12:2	237-21	1	O-Ring				
13	93-6869	1	HYD Cylinder ASM				
14	3256-26	2	Washer-Flat				
15	93-6926	1	Pin-Clevis				
16	322-4	1	Screw-HH				
17	3253-4	2	Washer-Lock				
18	322-26	1	Screw-HH				
19	3256-57	1	Washer-Flat				
20	94-3635	1	Center Lift Arm ASM				
20:2	93-6696	1	Decal-Spring, Loaded				
20:3	302-5	1	Fitting-Grease				



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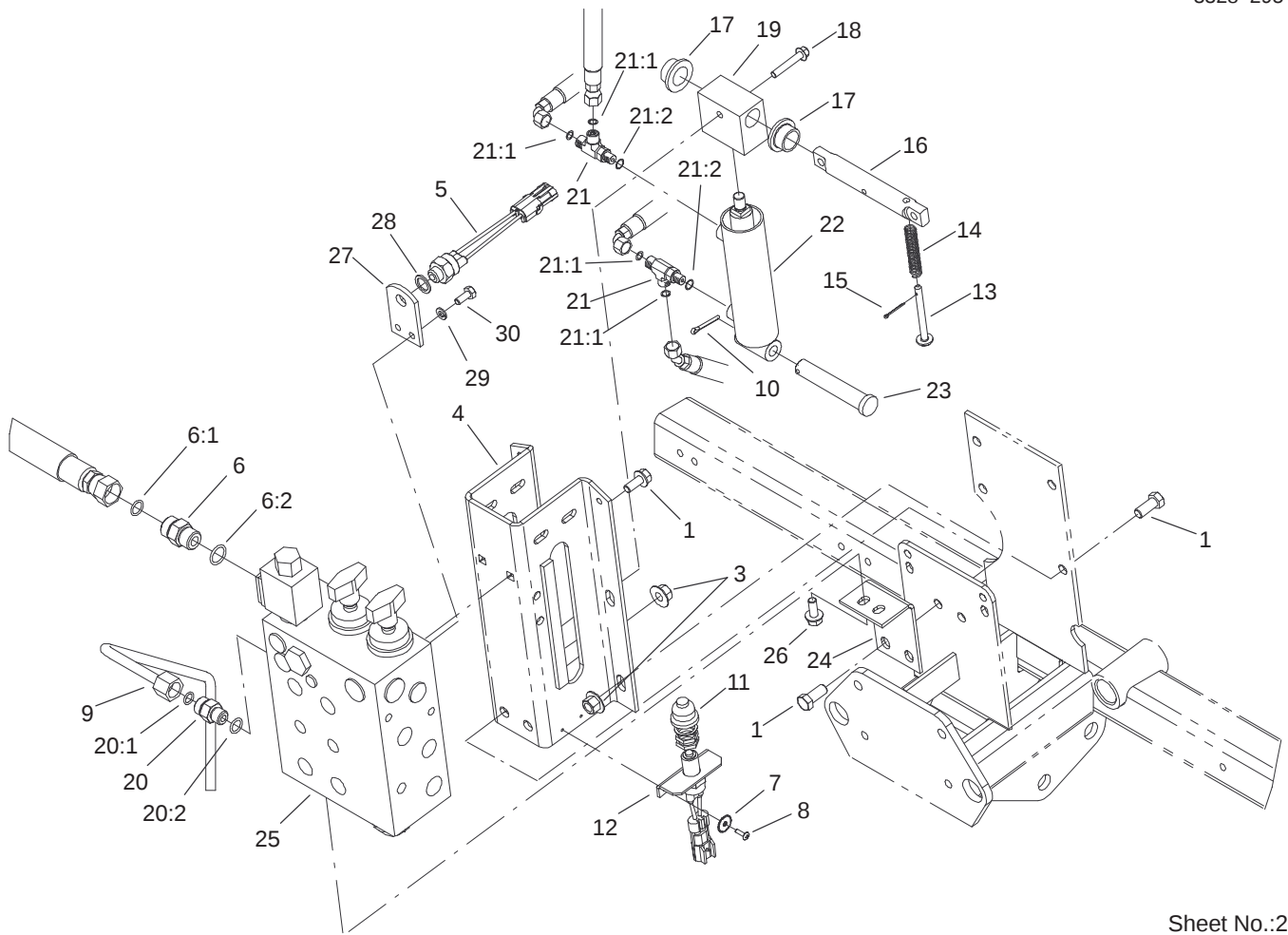
T-3715

Hydraulic Cylinder Assembly No. 93-6869

Ref. No.	Part No.	Qty.	Description
1	94-3617	1	Clevis-Cylinder
2	32152-10	1	Locknut
3	94-3619	1	Seal Kit
☆4		1	Piston
☆5		1	Nut-Lock
6	302-58	1	Fitting-Grease

Ref. No.	Part No.	Qty.	Description

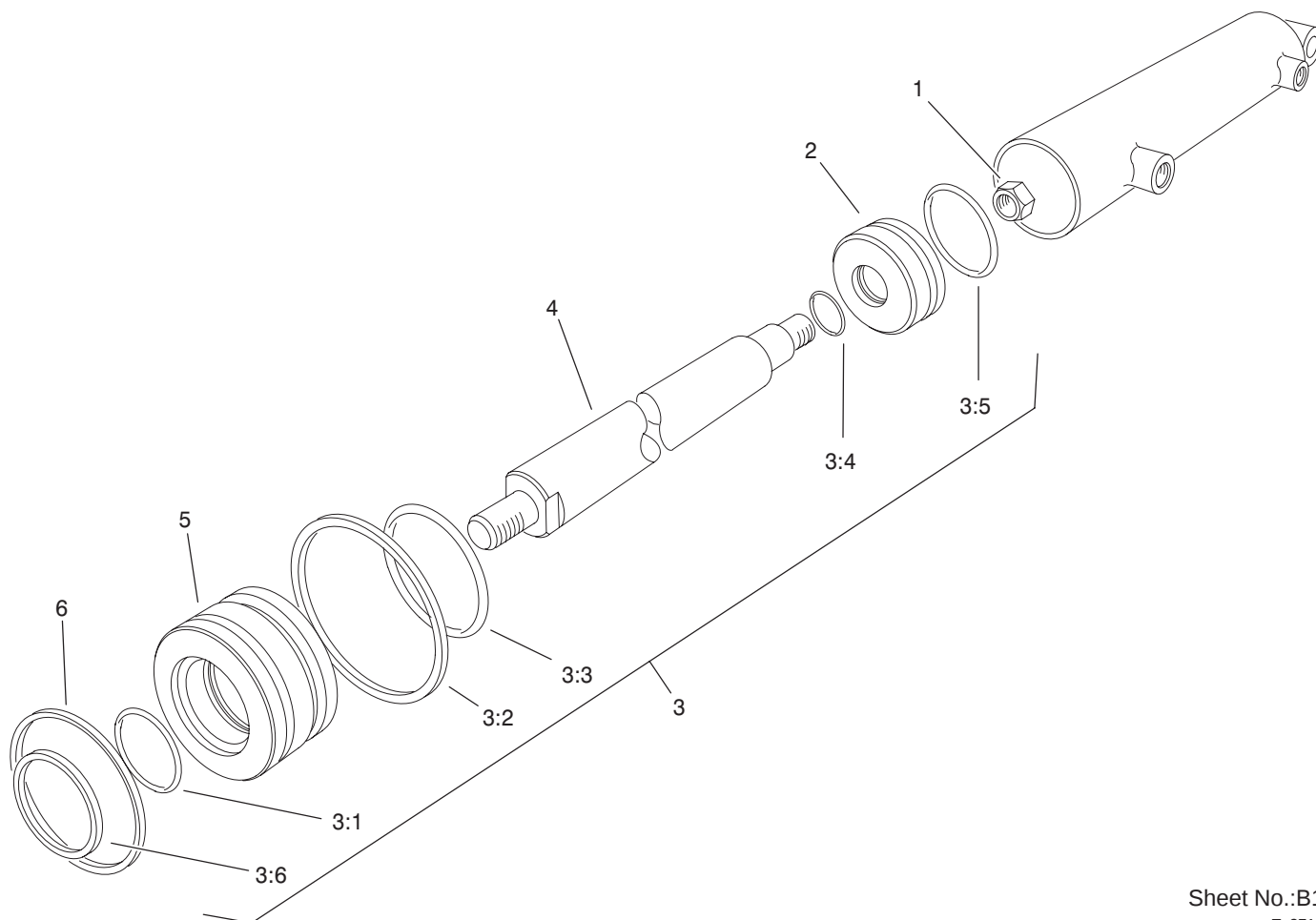
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Sheet No.:20

Rear Lift Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3234-25	6	Bolt-HF	21:2	237-42	1	O-Ring
3	32128-43	6	Nut-Flange	22	94-5031	1	Cylinder-Lift, HYD
4	104-3946-03	1	Cylinder Support ASM	23	283-78	1	Pin-Clevis
5	72-4320	1	Switch	24	93-6733-03	1	Bracket-Mount, Valve
6	340-4	1	Adapter	25	104-3995	1	Manifold Block ASM
6:1	237-30	1	O-Ring	26	3234-5	3	Screw
6:2	237-79	1	O-Ring	27	98-8199	1	Bracket-Switch
7	3254-9	2	Washer-Lock/Int	28	3256-76	1	Washer-Flat
8	3249-3	2	Screw	29	3253-3	2	Washer-Lock
9	104-4050	1	HYD Tube ASM	30	329-3	2	Screw-HH
10	3272-11	1	Pin-Cotter				
11	94-3429	1	Switch-Ball				
12	94-3424	1	Bracket-Mount, Switch				
13	94-5010	1	Pin-Actuator, Switch				
14	94-5011	1	Spring-Compression				
15	3272-4	1	Pin-Cotter				
16	72-4190	1	Pin-Guide, Cylinder				
17	84-8440	2	Bushing				
18	321-43	1	Capscrew				
19	61-2450	1	Hub-Lift				
20	340-2	1	Fitting-HYD, Straight				
20:1	237-22	1	O-Ring				
20:2	237-42	1	O-Ring				
21	340-86	2	Fitting-Tee, HYD				
21:1	237-22	2	O-Ring				



Sheet No.:B1

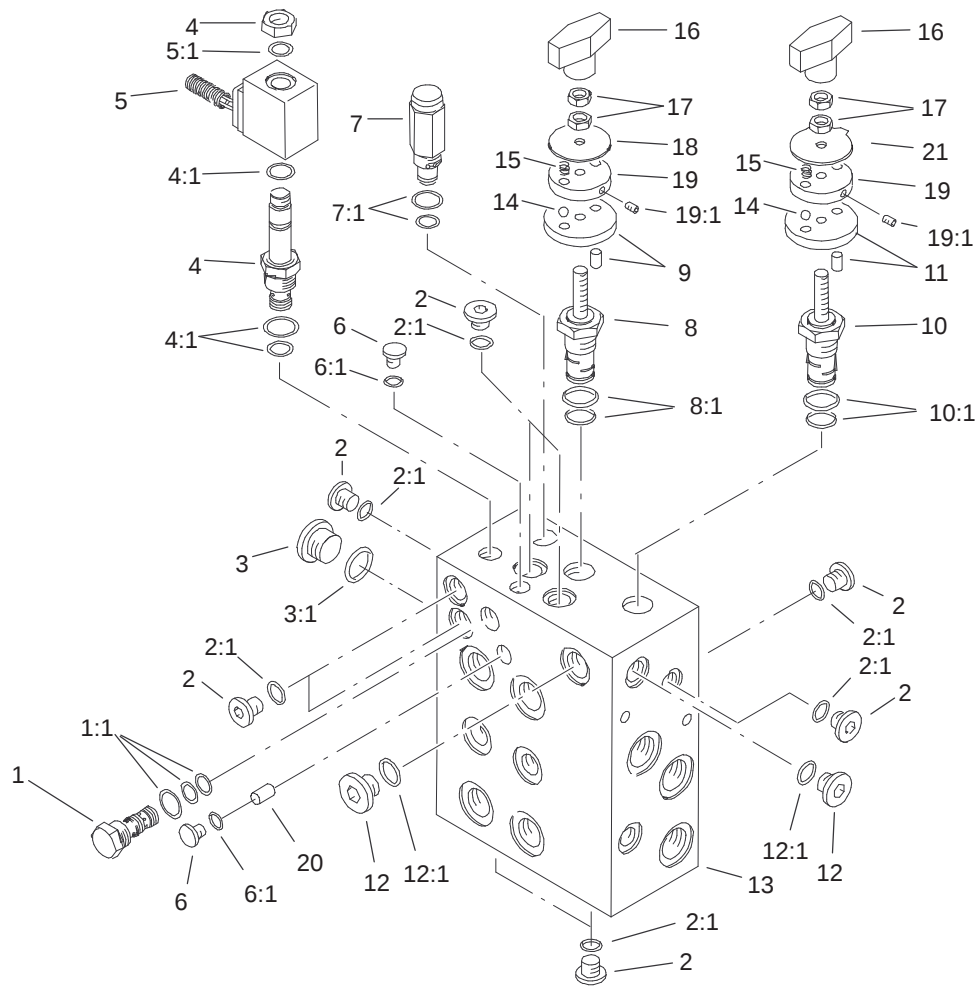
T-3716

Hydraulic Lift Cylinder Assembly No. 94-5031

Ref. No.	Part No.	Qty.	Description
☆1	94-3614	1	Nut-Lock
☆2		1	Piston
3		1	Seal Kit
☆3:1		1	O-Ring
☆3:2		1	Washer-Backup
☆3:3		1	O-Ring
☆3:4		1	O-Ring
☆3:5		1	Uniring
☆3:6		1	Seal-Dust
☆4		1	Shaft
☆5	94-3612	1	Head
6		1	Ring-Retaining

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

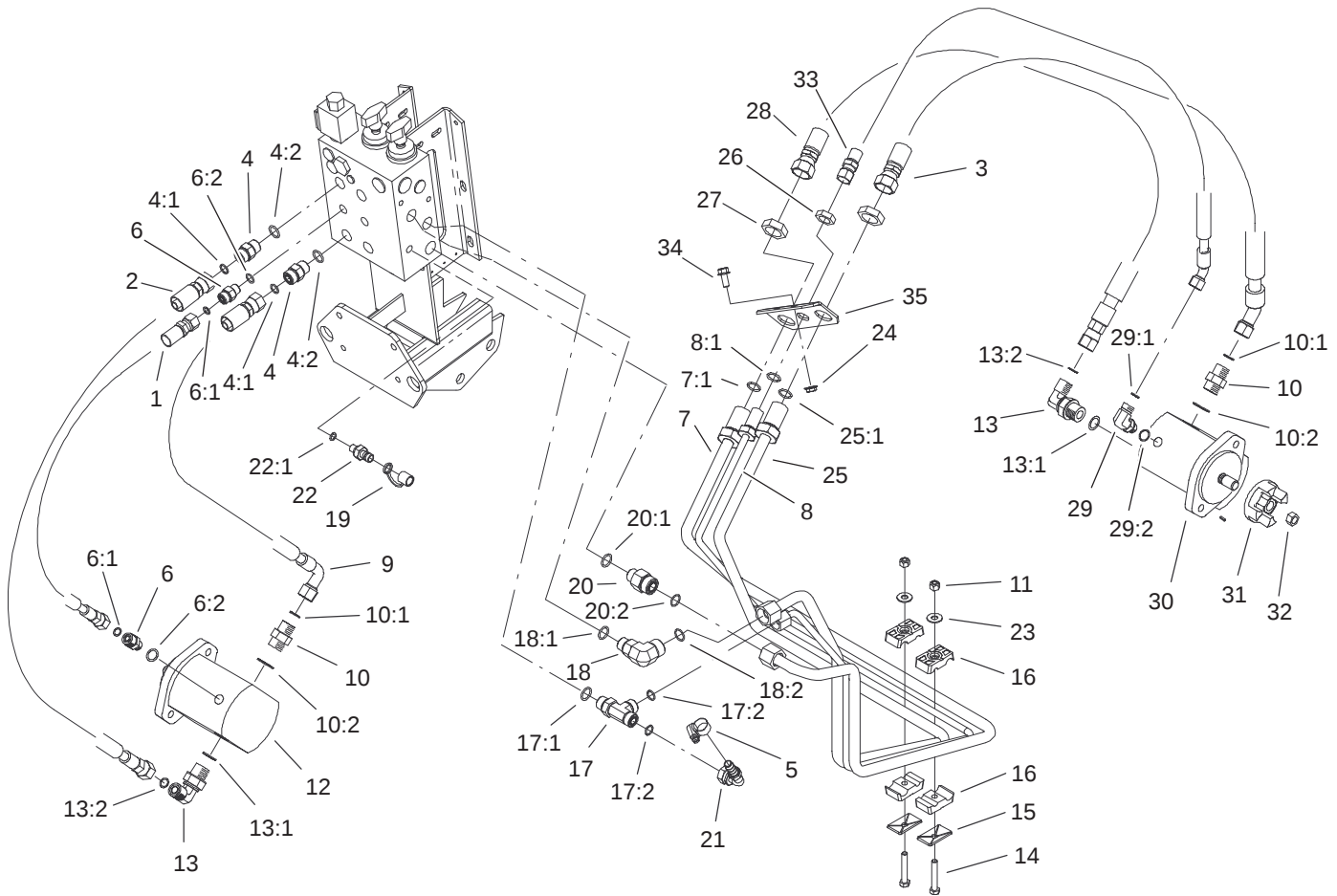


Sheet No.:B2

Manifold Block Assembly No. 104-3995

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	95-5634	1	Cartridge-Logic, Spool	17	3218-1	4	Nut-Jam
1:1	95-5641	1	Seal Kit	18	94-5026	1	Plate-Indicator
2	353-990	8	Plug	19	94-5023	2	Plate-Detent
2:1	237-78	1	O-Ring	19:1	3245-36	1	Screw-HSH
3	353-988	1	Plug-Hex, Hollow	20	75-2070	1	Plug-Orifice
3:1	237-79	1	O-Ring	21	99-3543	1	Plate-Indicator
4	93-7494	1	Cartridge				
4:1	75-2080	1	Seal Kit				
5	83-2010	1	Coil-Valve				
5:1	94-5438	2	Seal-Solenoid				
6	353-991	2	Plug-Hex, Hollow				
6:1	237-156	1	O-Ring				
7	94-3655	1	Valve-Relief				
7:1	75-2080	1	Seal Kit				
8	94-3659	1	Control-Flow, Rotary				
8:1	75-2080	1	Seal Kit				
9	94-5025	1	Plate-Locating				
10	94-3657	1	Spool ASM				
10:1	94-3661	1	4-Way Seal Kit				
11	94-5021	1	Plate-Locating				
12	353-989	3	Plug-Hex, Hollow				
12:1	237-42	1	O-Ring				
★13		1	Body-Manifold				
14	255-13	4	Ball-Steel, Stainless				
15	94-5027	4	Spring				
16	94-5020	2	Knob ASM				

★ Not serviced separately

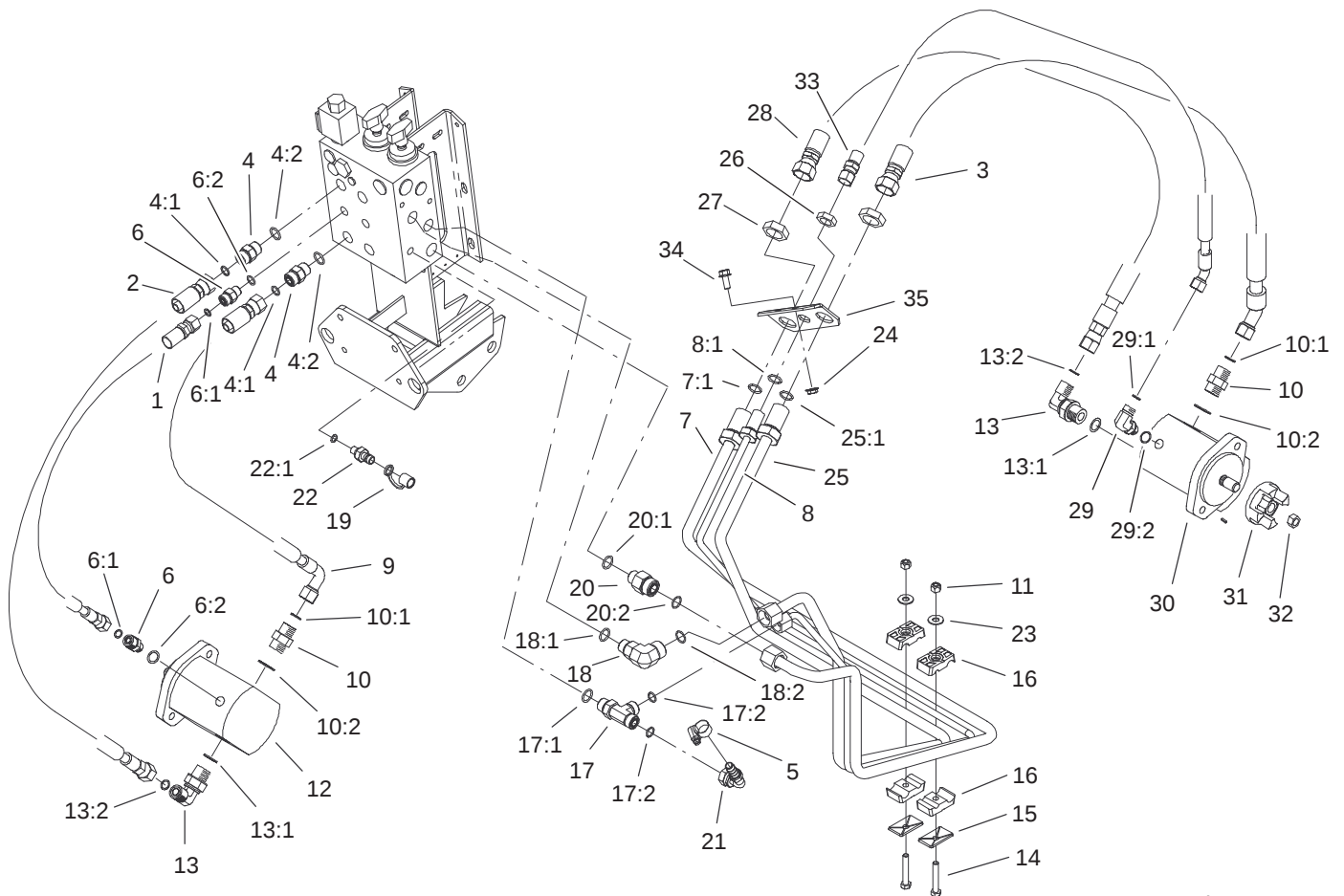


Sheet No.:21

Reel Motor Assembly

Ref. No.	Part No.	Qty.	Description
1	94-5986	2	Hose ASM
2	94-5987	2	Hose ASM
3	94-5129	1	Hose ASM
4	340-4	4	Adapter
4:1	237-30	1	O-Ring
4:2	237-79	1	O-Ring
5	2412-36	1	Clamp-Hose
6	340-2	4	Fitting-HYD, Straight
6:1	237-22	1	O-Ring
6:2	237-42	1	O-Ring
7	104-3950	1	Tube ASM
7:1	237-65	1	O-Ring
8	104-3951	1	Tube ASM
8:1	237-30	1	O-Ring
9	94-5985	2	Hose ASM
10	340-6	3	Fitting-HYD, Straight
10:1	237-30	1	O-Ring
10:2	237-80	1	O-Ring
11	3296-29	2	Nut-Lock, NI
12	93-6972	2	Motor-Gear
13	340-105	3	Fitting-90°
13:1	237-80	1	O-Ring
13:2	237-30	1	O-Ring
14	322-10	2	Screw-HH
15	69-9760	2	Coverplate
16	56-7970	4	Clamp-Tube

Ref. No.	Part No.	Qty.	Description
17	340-109	1	Fitting-HYD, Tee
17:1	237-79	1	O-Ring
17:2	237-30	2	O-Ring
18	340-153	1	Fitting-HYD
18:1	237-79	1	O-Ring
18:2	237-151	1	O-Ring
19	354-79	1	Cap-Dust, Yellow
20	340-155	1	Fitting-HYD
20:1	237-79	1	O-Ring
20:2	237-151	1	O-Ring
21	93-6803	1	Fitting-90°
22	354-77	1	Fitting-Quick
22:1	237-78	1	O-Ring
23	3256-3	2	Washer-Flat
24	32128-44	2	Nut
25	104-3949	1	Tube ASM
25:1	237-65	1	O-Ring
26	340-70	1	Nut-Lock
27	340-74	2	Locknut-Bulkhead
28	93-6790	1	Hose-HYD
29	340-77	1	Fitting-HYD, 90°
29:1	237-22	1	O-Ring
29:2	237-42	1	O-Ring
30	93-6975	1	Motor-Gear
31	93-8823	3	Coupler-Motor, Reel
32	32128-48	3	Nut-HHF

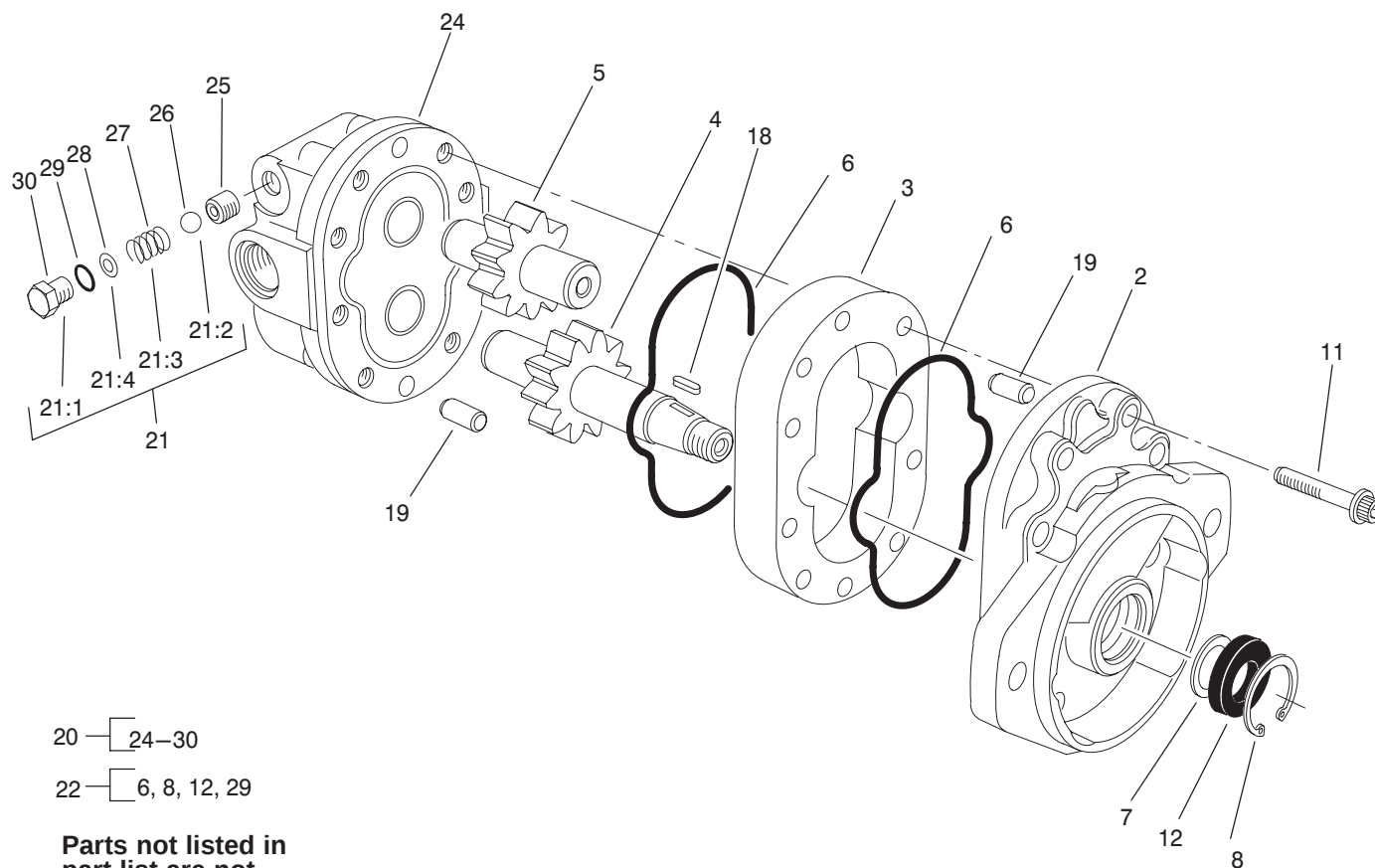


Sheet No.:21

Reel Motor Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
33	93-6789	1	Hose-HYD
34	3234-5	2	Screw
35	93-6796-01	1	Bracket-Bulkhead

Ref. No.	Part No.	Qty.	Description



Sheet No.:B3

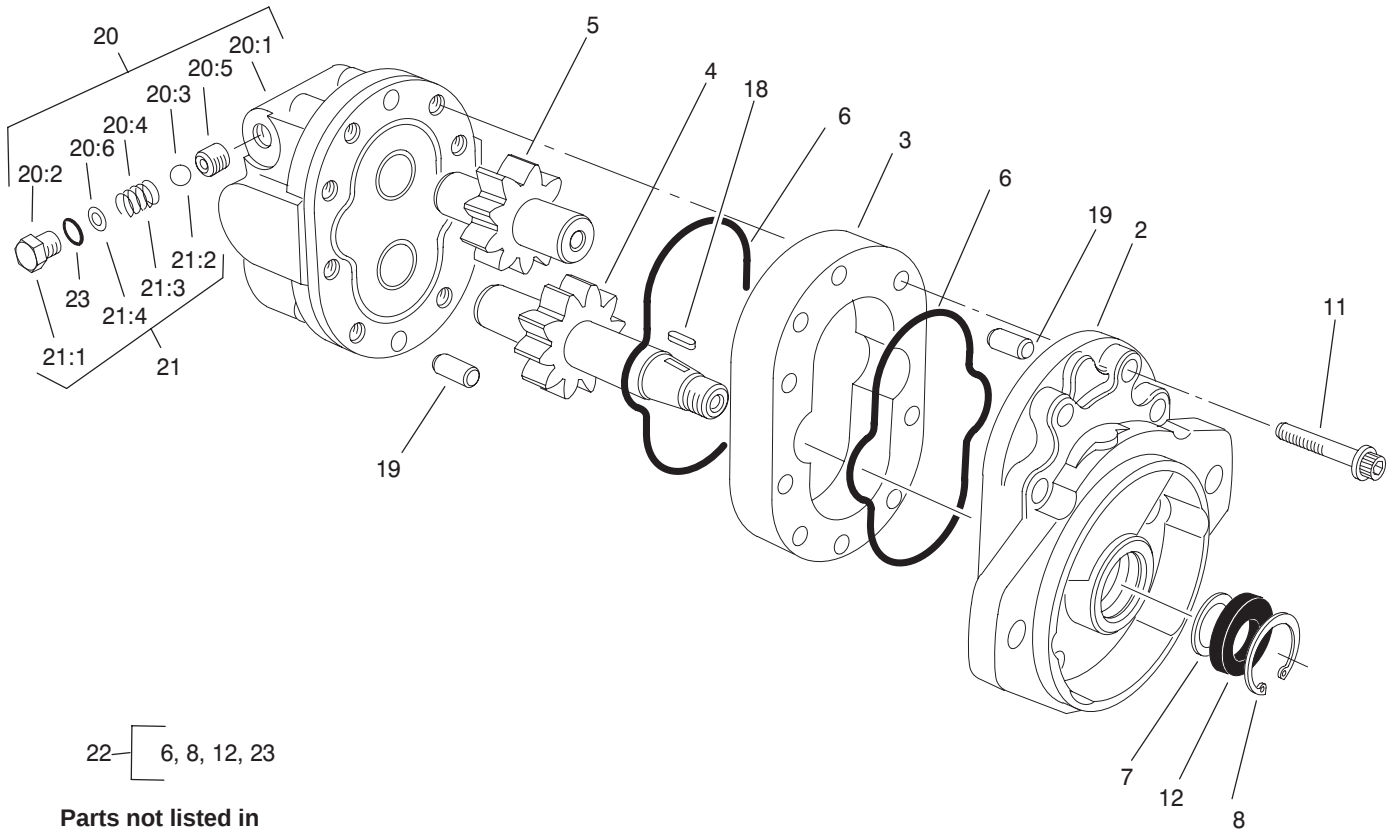
T-3718

Gear Motor Assembly No. 93-6972

Ref. No.	Part No.	Qty.	Description
2	66-5730	1	Front Plate ASM
3	94-3603	1	Motor Body ASM
4	94-3602	1	Drive Gear ASM
5	94-3601	1	Idler Gear ASM
6	59-8420	2	Ring
7	60-5890	1	Washer
8	59-8320	1	Ring-Retaining
11	94-3600	8	Capscrew
12	66-5710	1	Seal-Shaft
18	94-3606	1	Key
19	42-2010	2	Pin-Dowel
20	94-3604	1	Backplate ASM
21	92-9260	1	Relief Valve Kit
☆21:1		2	Plug
☆21:2		2	Ball
☆21:3		2	Spring
☆21:4		2	Shim
22	93-1413	1	Seal Kit

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately



Parts not listed in
partlist are not
serviced separately.

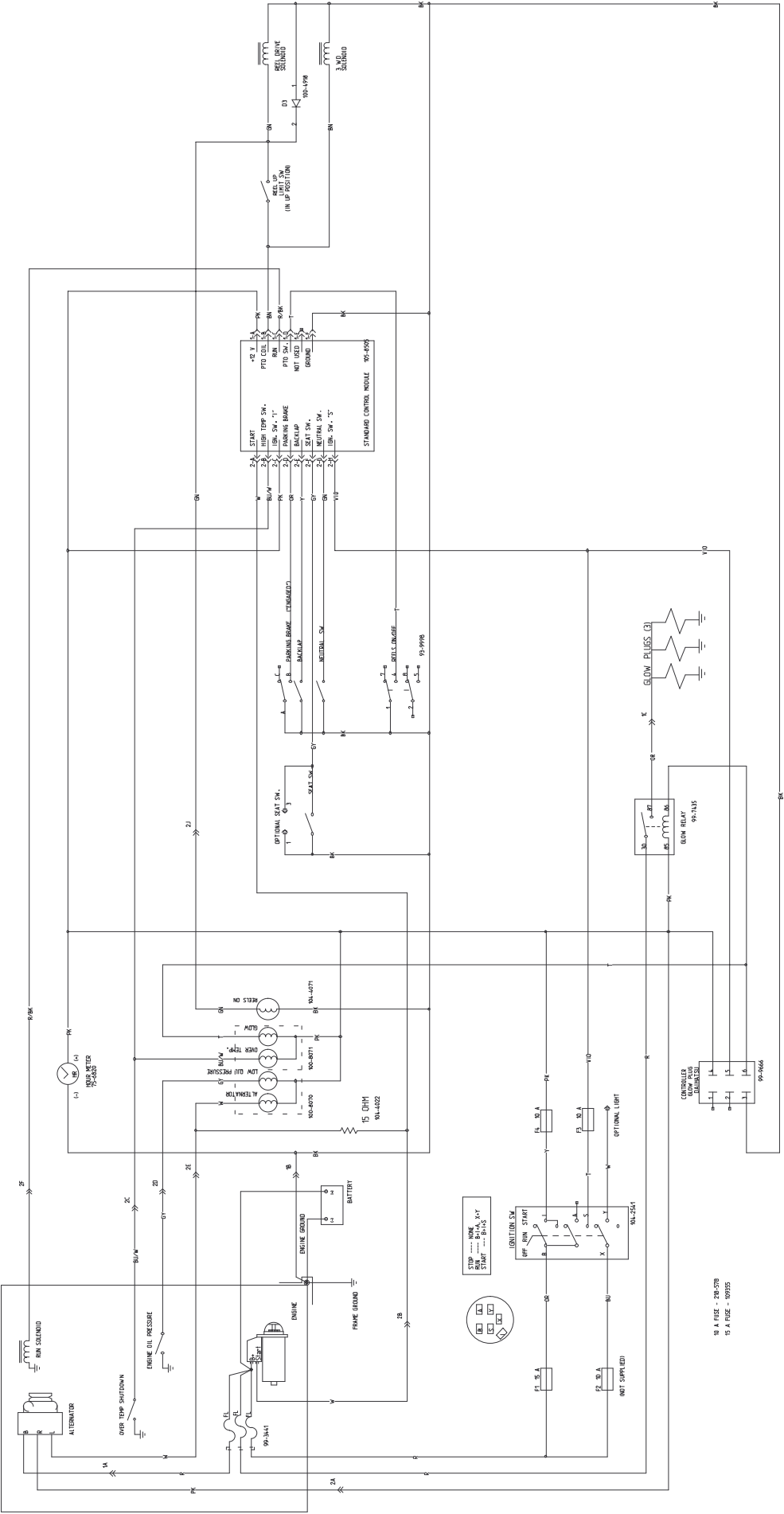
Sheet No.:B4
T-3569

Gear Motor Assembly No. 93-6975

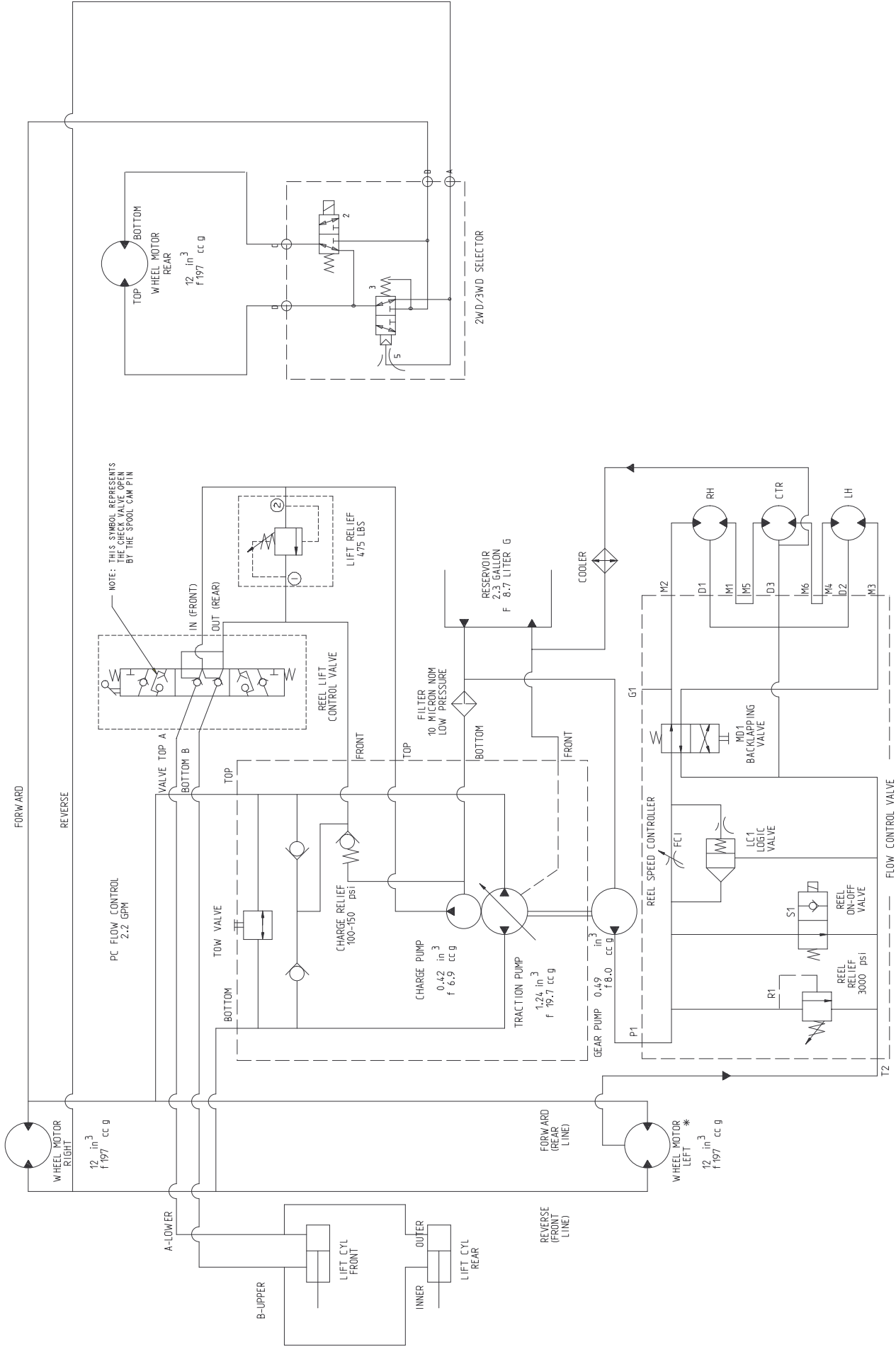
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
2	66-5730	1	Front Plate ASM				
3	94-3603	1	Motor Body ASM				
4	94-3602	1	Drive Gear ASM				
5	94-3601	1	Idler Gear ASM				
6	59-8420	2	Ring				
7	60-5890	1	Washer				
8	59-8320	1	Ring-Retaining				
11	94-3600	8	Capscrew				
12	66-5710	1	Seal-Shaft				
18	94-3606	1	Key				
19	42-2010	2	Pin-Dowel				
20	94-3605	1	Backplate ASM				
☆20:1		1	Backplate				
☆20:2		2	Plug				
☆20:3		2	Ball				
☆20:4		2	Spring				
☆20:5		2	Seat				
☆20:6		2	Shim				
21	92-9260	1	Relief Valve Kit				
☆21:1		2	Plug				
☆21:2		2	Ball				
☆21:3		2	Spring				
☆21:4		2	Shim				
22	93-1413	1	Seal Kit				

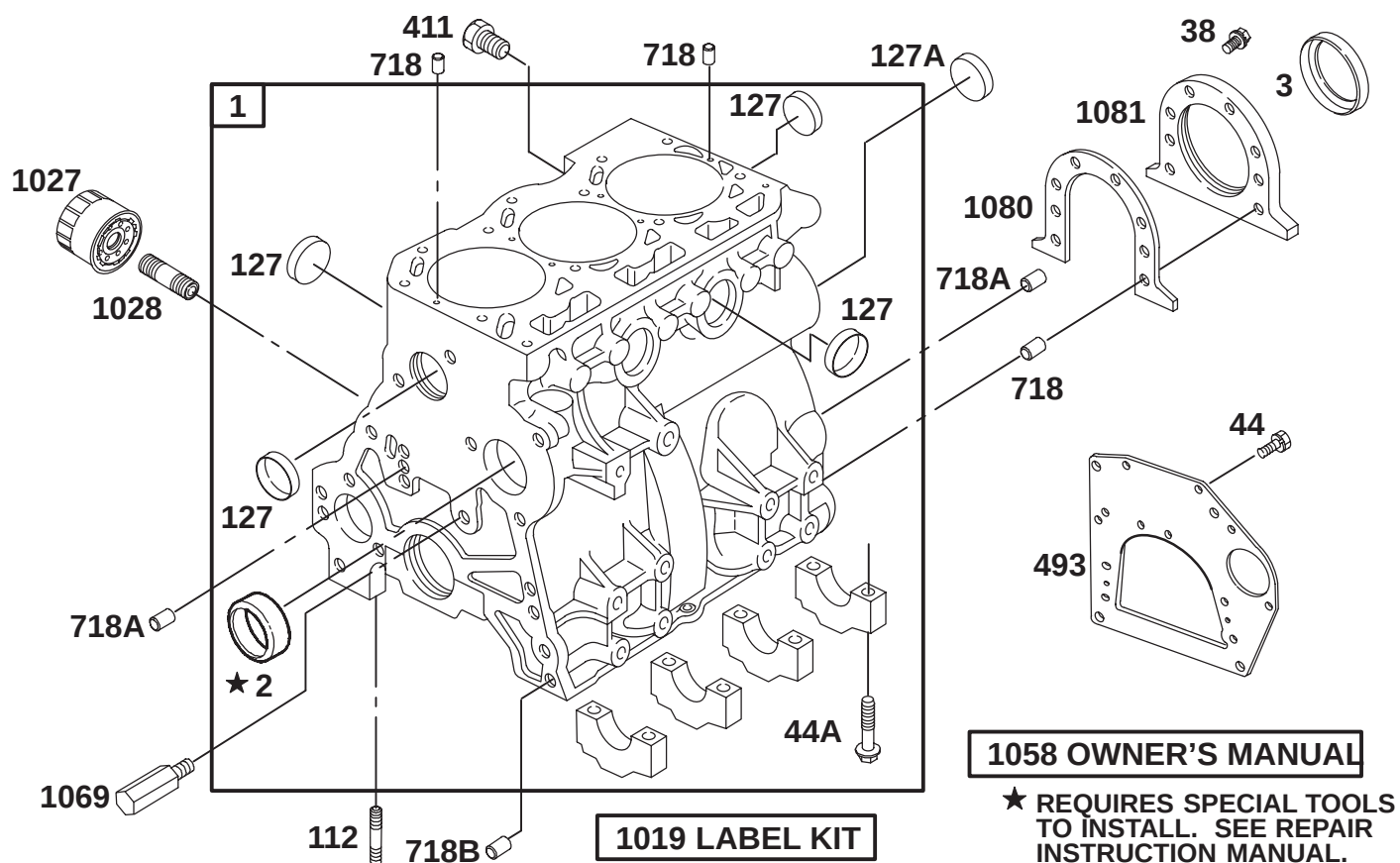
☆ Not serviced separately

Electrical Schematic



Hydraulic Schematic



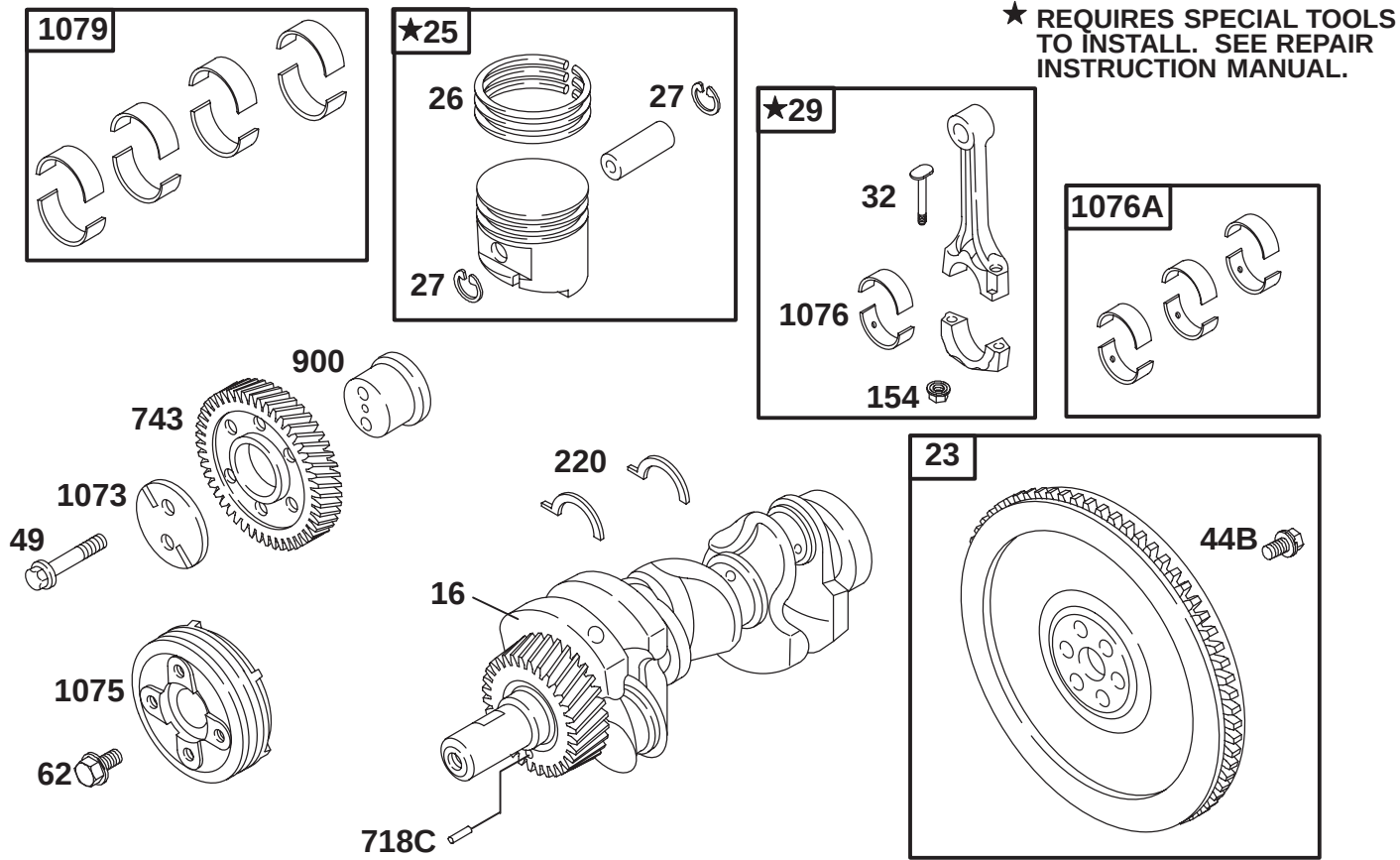


Sheet No.:3

Cylinder Assembly

Ref. No.	Part No.	Qty.	Description
01	100-6401	1	Cylinder ASM
02	99-9002	1	Bushing
03	99-9003	1	Seal-Oil
1019	99-9015	1	Label Kit
1027	99-9017	1	Filter-Oil
1028	99-9018	1	Adapter-Filter, Oil
1058	99-9602	1	Manual-Owner's
1069	99-9020	1	Nozzle-Oil
1080	99-9021	1	Gasket-Retainer
1081	99-9022	1	Retainer-Seal
112	99-9007	1	Stud-Metric
127	99-9008	7	Plug-Welch
127A	99-9010	1	Plug-Welch
38	99-9004	6	Screw-Hex
411	99-9601	1	Plug (Cylinder Block)
44	99-9005	3	Screw-Hex
44A	99-9006	8	Screw-Hex
493	99-9011	1	Bracket-Mounting
718	99-9012	4	Pin-Locating
718A	99-9013	3	Pin-Locating
718B	99-9014	2	Pin-Locating

Ref. No.	Part No.	Qty.	Description

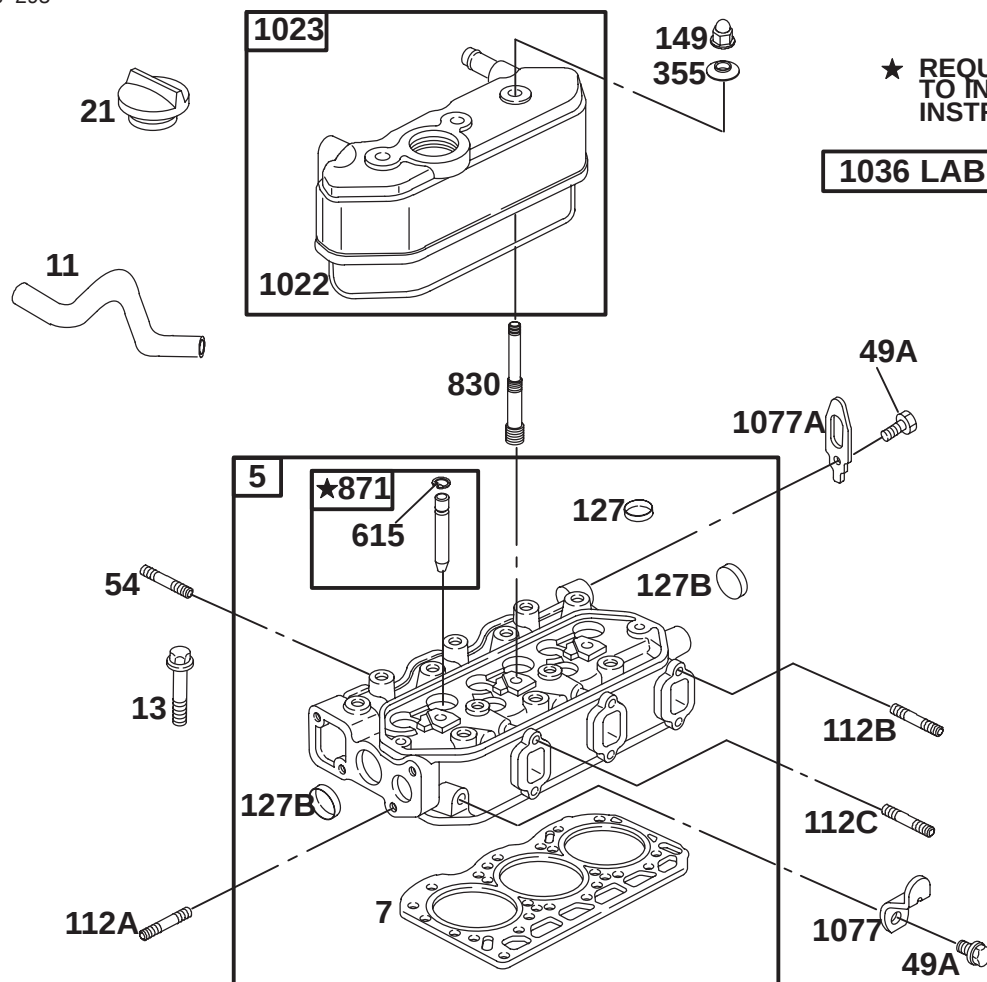


Sheet No.:4

Crankshaft Assembly

Ref. No.	Part No.	Qty.	Description
1073	99-9040	1	Plate-Gear, Idler
1075	99-9692	1	Pully-Crankshaft
1076	99-9042	1	Bearing-Rod
1076A	99-9044	3	Bearing Set-Rod, .010 Undersize
1076A	99-9043	3	Bearing Set-Rod
1079	99-9045	1	Bearing Set-Main
1079	99-9046	1	Bearing Set-Main, .010 Undersize
154	99-9034	6	Nut-Hex
16	99-9252	1	Crankshaft
220	99-9035	1	Washer-Thrust
220	99-9036	1	Washer-Thrust, .005in Oversize
23	99-9267	1	Flywheel
25	99-9268	3	Piston ASM
25	99-9605	3	Piston ASM
26	99-9269	3	Set-Ring
26	99-9606	3	Set-Ring
27	99-9607	6	Lock-Pin, Piston
29	99-9608	3	Rod-Connecting
32	99-9030	6	Screw-Rod, Connecting
44B	99-9031	6	Screw-Hex
49	99-9032	2	Screw-Hex
62	99-9033	1	Screw-Hex

Ref. No.	Part No.	Qty.	Description
718C	99-9037	1	Pin-Locating
743	99-9609	1	Gear-Drive
900	99-9039	1	Shaft-Gear

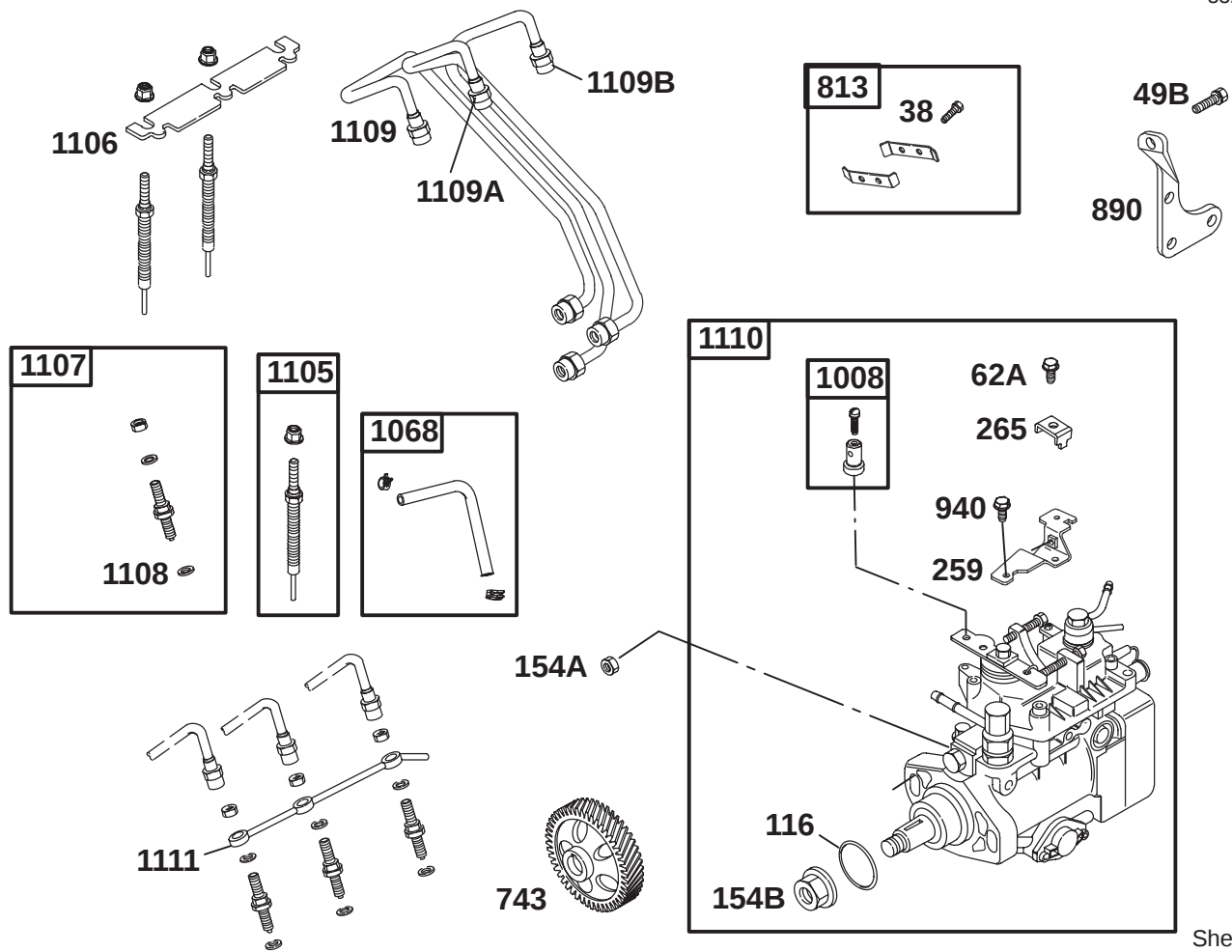


Sheet No.:5

Cylinder Head Assembly

Ref. No.	Part No.	Qty.	Description
05	99-9611	1	Head-Cylinder
07	99-9612	1	Gasket-Head, Cylinder
1022	99-9073	1	Gasket-Cover, Rocker
1023	100-6402	1	Cover-Rocker
1036	99-9615	1	Emission Label Kit
1077	99-9076	1	Bracket-Lifting
1077A	99-9077	1	Bracket-Lifting
11	104-7743	1	Tube-Breather
112A	99-9057	2	Stud-Metric
112B	99-9058	5	Stud-Metric
112C	99-9059	1	Stud-Metric
127	99-9008	2	Plug-Welch
127B	99-9060	2	Plug-Welch
13	99-9614	14	Screw-Metric
149	99-9061	3	Nut-Hex, Metric
21	99-9052	1	Cap-Fill, Oil
355	99-9063	3	Washer-Seal
49A	99-9054	2	Screw-Hex, 8mm
54	99-9055	2	Stud-Metric
615	99-9067	6	Retainer
830	99-9101	3	Stud-Arm, Rocker
871	99-9070	6	Bushing-Guide

Ref. No.	Part No.	Qty.	Description

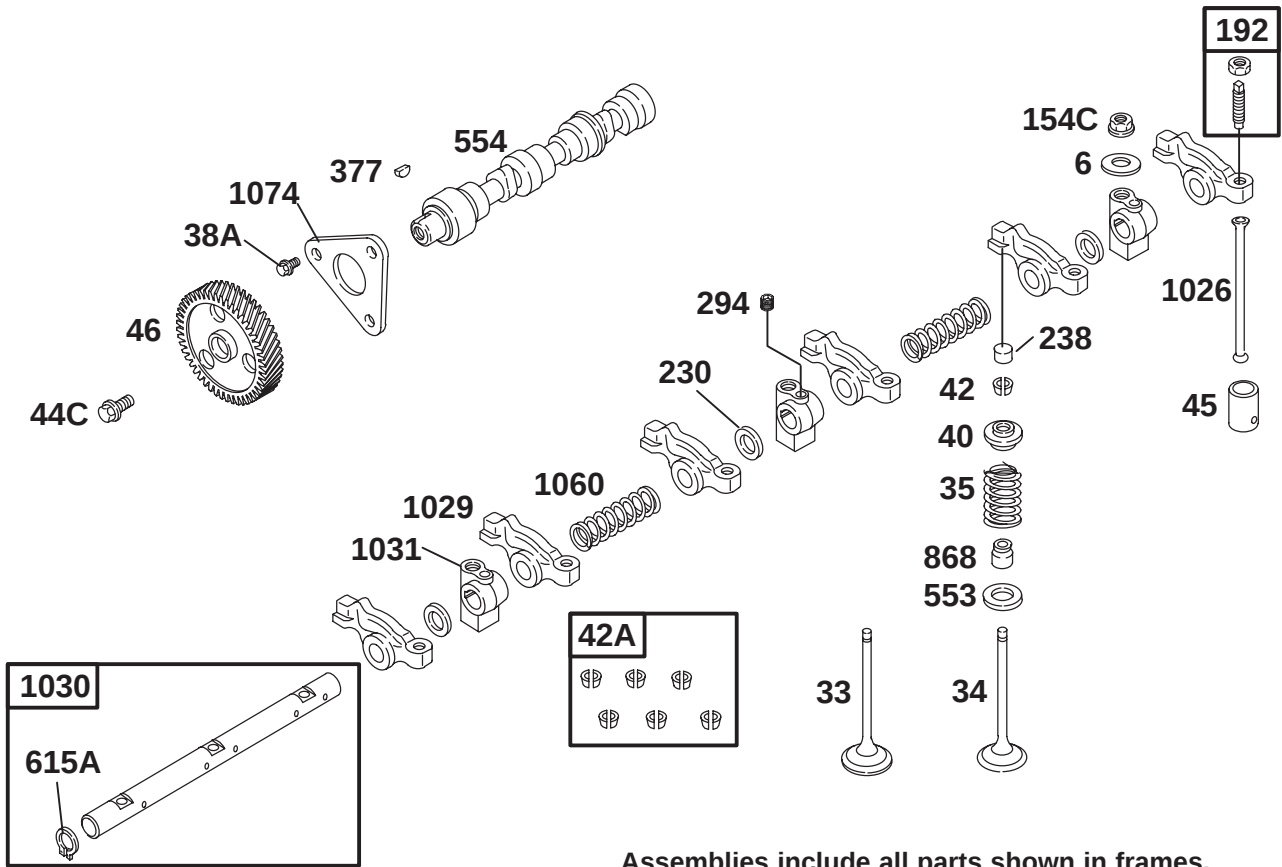


Sheet No.:6

Injection Assembly

Ref. No.	Part No.	Qty.	Description
1008	99-9628	1	Clamp-Swivel
1068	99-9629	1	Hose/Clamp ASM
1105	99-9630	3	Plug-Glow
1106	99-9631	1	Strap-Plug, Glow
1107	99-9632	3	Nozzle-Injector
1108	99-9633	3	Seat-Injector
1109	99-9690	1	Pipe-Injector, #1
1109A	99-9634	1	Pipe-Injector, #2
1109B	99-9635	1	Pipe-Injector, #3
1110	104-3970	1	Pump-Injection
1111	99-9637	1	Pipe-Return, Fuel
116	99-9618	1	O-Ring
154A	99-9619	2	Nut-Hex, Metric
154B	99-9620	1	Nut-Hex, Metric
259	99-9621	1	Bracket-Clamp, Casing
265	99-9622	1	Clamp-Casing
38	99-9004	2	Screw-Hex
49B	99-9616	4	Screw-Hex, 8mm
62A	100-6403	1	Screw-Metric
743	99-9624	1	Gear-Drive
813	99-9625	1	Clamp
890	99-9626	1	Bracket-Support
940	100-6410	2	Screw-Hex

Ref. No.	Part No.	Qty.	Description

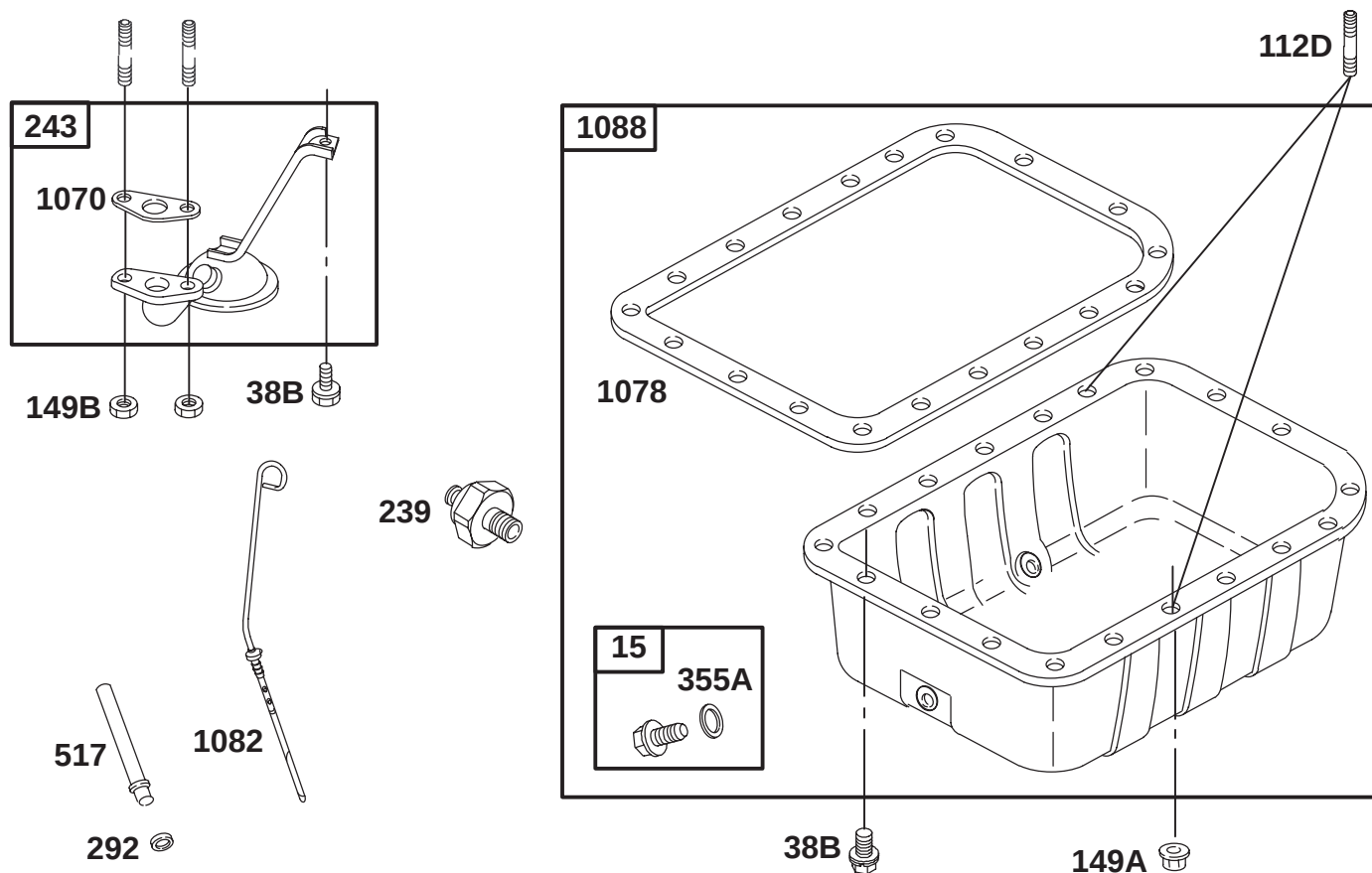


Assemblies include all parts shown in frames.

Sheet No.:7

Rocker Arm Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
06	99-9079	3	Washer-Flat	615A	99-9099	2	Retainer
1026	99-9103	6	Rod-Push	868	99-9643	6	Seal-Valve
1029	99-9104	1	Arm-Rocker				
1030	99-9106	1	Shaft-Arm, Rocker				
1031	99-9107	3	Support-Arm, Rocker				
1060	99-9108	2	Spring-Shaft, Rocker				
1074	99-9109	1	Retainer-Camshaft				
154C	99-9091	3	Nut-Hex, Metric				
192	99-9092	6	Adjuster-Arm, Rocker				
230	99-9093	3	Washer-Spacer				
238	99-9094	6	Cap-Valve				
294	99-9090	1	Screw-Metric				
33	99-9638	3	Valve-Exhaust				
34	99-9639	3	Valve-Intake				
35	99-9640	6	Spring-Valve				
377	99-9642	1	Key-Timing				
38A	99-9083	3	Screw-Hex, 6mm				
40	99-9084	6	Retainer-Valve				
42	99-9086	1	Keeper-Valve				
42A	99-9087	6	Keeper-Valve (Set Of Six)				
44C	99-9085	1	Screw-Metric				
45	99-9088	6	Tappet-Valve				
46	99-9641	1	Gear-Cam				
553	99-9096	6	Seat-Spring, Valve				
554	99-9097	1	Shaft-Cam				

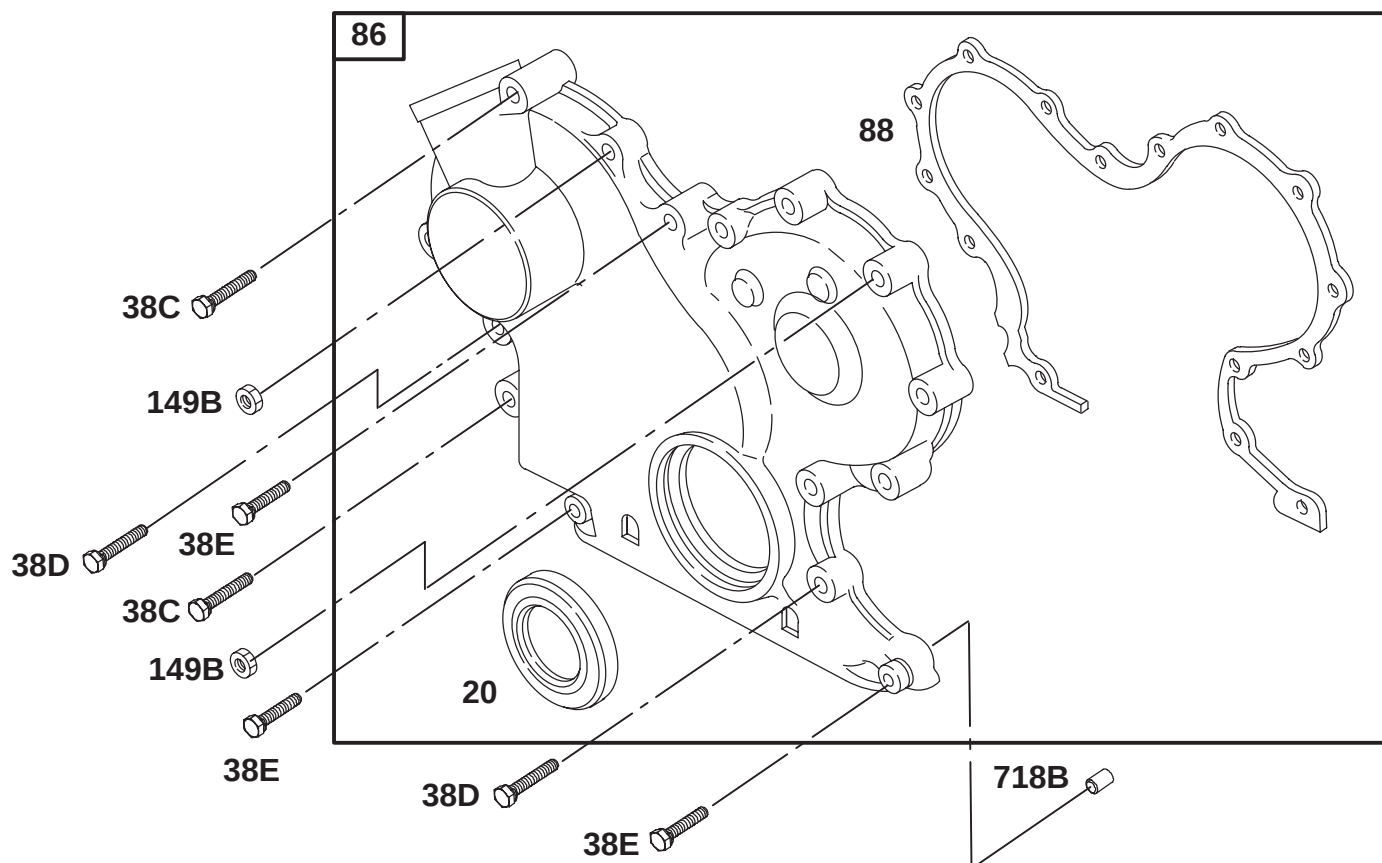


Sheet No.:8

Oil Pan Assembly

Ref. No.	Part No.	Qty.	Description
1070	99-9120	1	Gasket-Strainer, Oil
1078	99-9121	1	Gasket-Pan, Oil
1082	99-9272	1	Dipstick
1088	99-9649	1	Pan-Oil
112D	99-9112	2	Stud-Metric
149A	99-9113	2	Nut-Hex, Metric
149B	99-9114	2	Nut-Hex, Metric
15	99-9644	2	Plug-Drain, Oil
239	99-9115	1	Switch-Pressure, Oil
243	99-9116	1	Screen-Pump, Oil
292	99-9265	1	O-Ring (Dipstick)
355A	99-9645	1	Washer-Seal
38B	99-9111	18	Screw-Hex, 6mm
517	99-9271	1	Collar-Tube, Dipstick

Ref. No.	Part No.	Qty.	Description

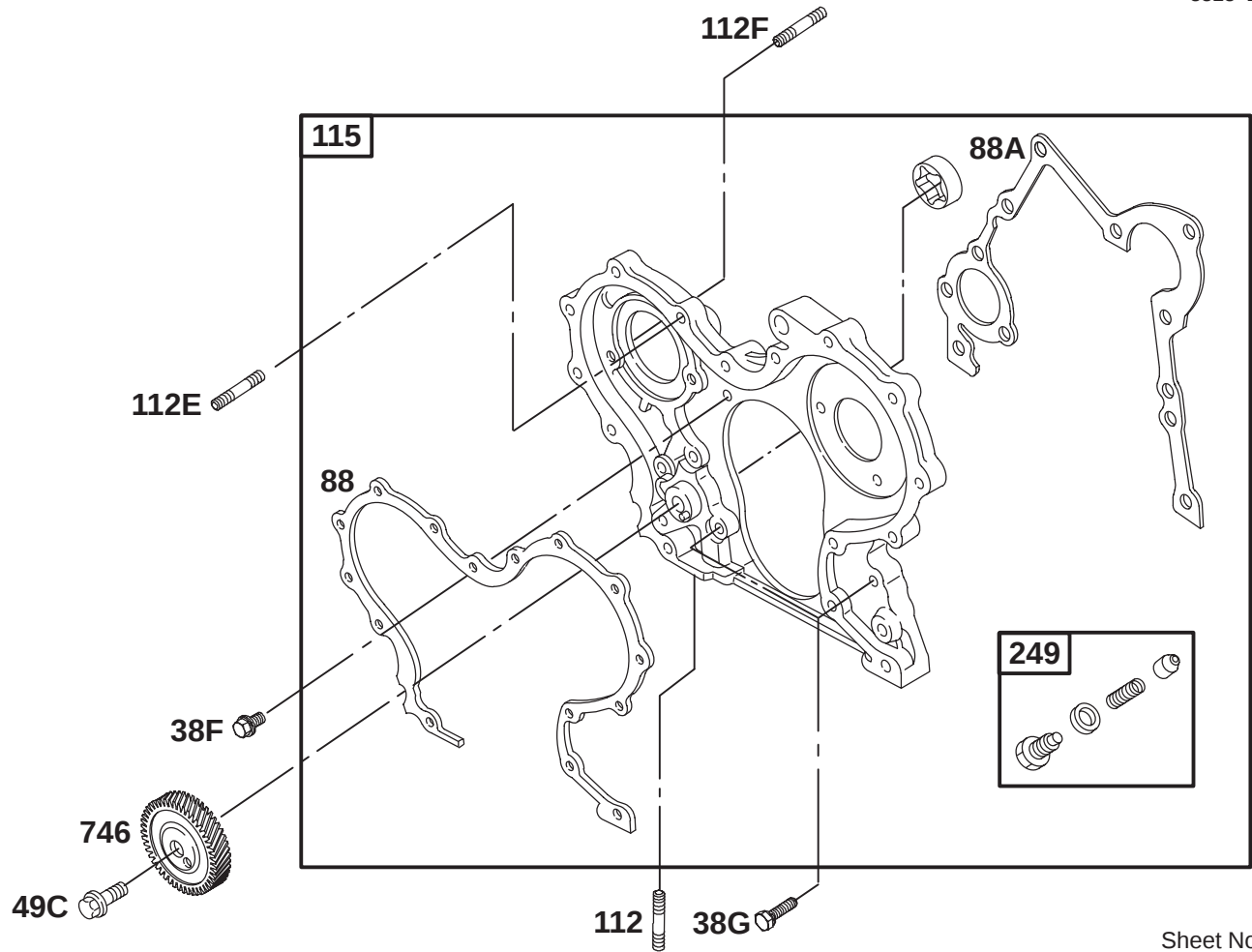


Sheet No.:9

Cover Assembly

Ref. No.	Part No.	Qty.	Description
149B	99-9114	2	Nut-Hex, Metric
20	99-9126	1	Seal-Oil
38C	99-9651	2	Screw-Hex, 6mm
38D	99-9128	9	Screw-Hex, 6mm
38E	99-9129	3	Screw-Hex, 6mm
718B	99-9014	1	Pin-Locating
86	99-9652	1	Gear Cover ASM
88	99-9653	1	Gasket-Cover, Gear

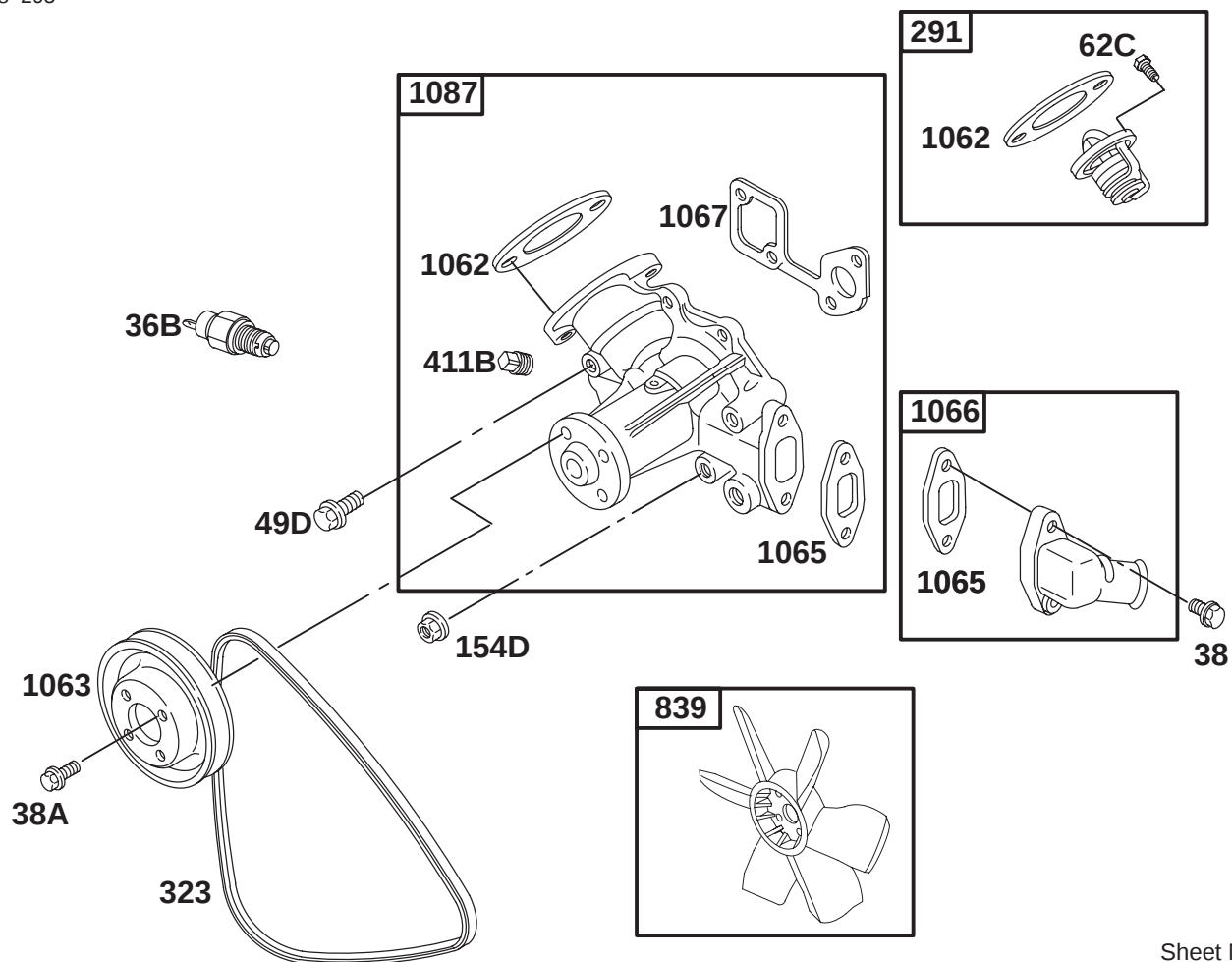
Ref. No.	Part No.	Qty.	Description



Sheet No.:10

Gear Housing Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
112	99-9007	1	Stud-Metric				
112E	99-9137	2	Stud-Metric				
112F	99-9654	2	Stud-Metric				
115	99-9655	1	Housing-Gear				
249	99-9142	1	Valve-Relief, Oil				
38F	99-9134	1	Screw-Hex, 6mm				
38G	99-9133	4	Screw-Hex, 6mm				
49C	99-9135	1	Screw-Hex, 8mm				
746	99-9656	1	Gear-Drive				
88	99-9653	1	Gasket-Cover, Gear				
88A	99-9136	1	Gasket-Cover, Gear				

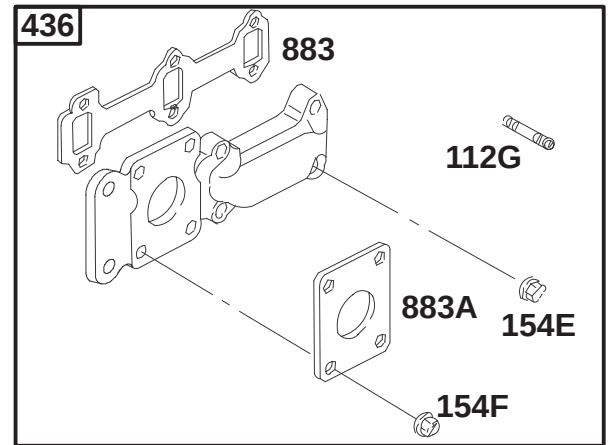
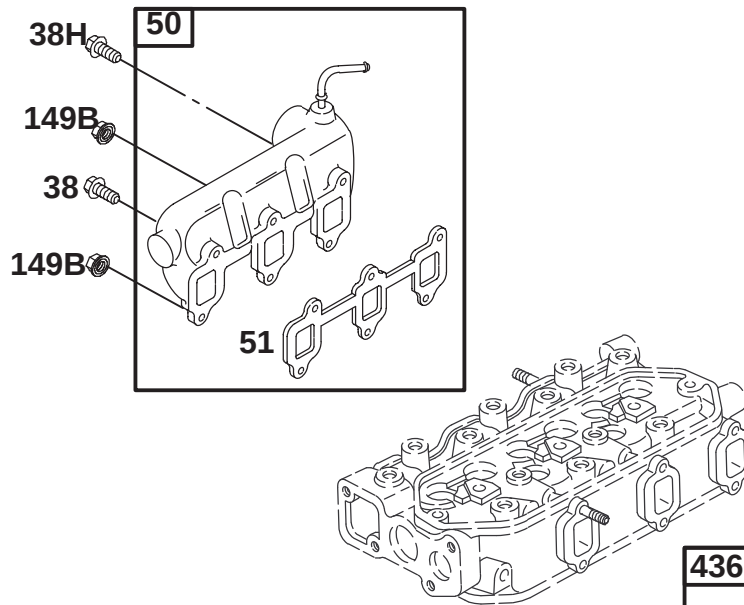


Sheet No.:11

Water Pump Assembly

Ref. No.	Part No.	Qty.	Description
1062	99-9163	1	Gasket-Outlet
1063	99-9164	1	Pulley-Pump
1065	99-9166	1	Gasket-Housing, Inlet
1066	99-9167	1	Housing-Inlet
1067	99-9168	1	Gasket-Pump, Water
1087	105-3832	1	Pump-Water
154D	99-9153	1	Nut-Hex, Metric
291	99-9155	1	Thermostat
323	99-8153	1	Belt-V
36B	99-9157	1	Switch-Temp., Water
38	99-9004	2	Screw-Hex
38A	99-9111	4	Screw-Hex, 6mm
411B	99-9159	1	Plug
49D	99-9151	2	Screw-Hex, 8mm
62C	99-9152	1	Screw-Metric
839	104-3969	1	Fan-Engine,320mm

Ref. No.	Part No.	Qty.	Description

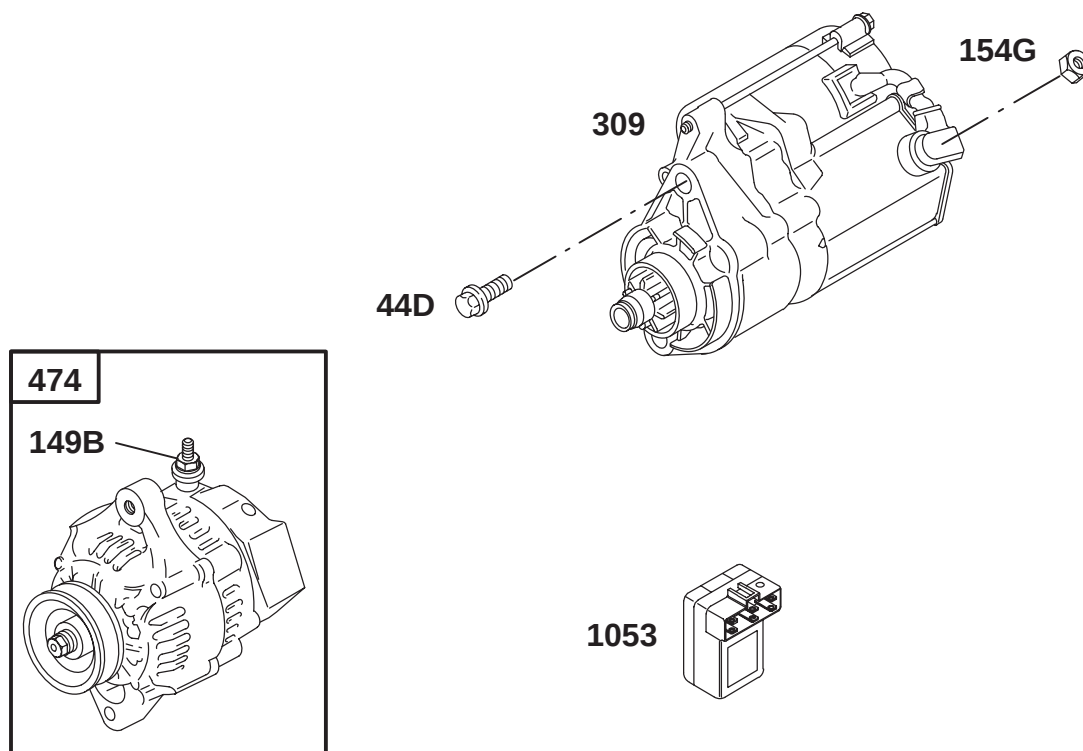


Sheet No.:12

Manifold Assembly

Ref. No.	Part No.	Qty.	Description
112G	100-6407	4	Stud-Manifold, Exhaust
149B	99-9114	2	Nut-Hex, Metric
154E	99-9175	6	Nut-Hex, Metric
154F	99-9176	4	Nut-Hex
38	99-9004	1	Screw-Hex
38H	99-9660	3	Screw-Hex, 6mm
436	99-9177	1	Manifold-Exhaust
50	99-9661	1	Manifold-Intake
51	99-9662	1	Gasket-Intake
883	99-9178	1	Gasket-Exhaust
883A	99-9179	1	Gasket-Exhaust

Ref. No.	Part No.	Qty.	Description

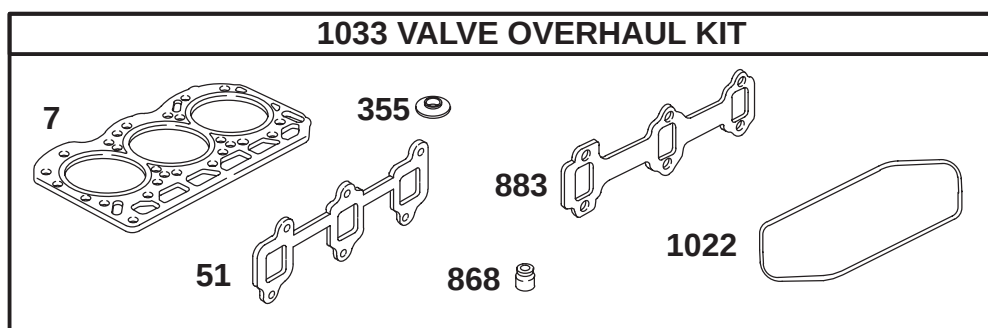


Sheet No.:13

Alternator Assembly

Ref. No.	Part No.	Qty.	Description
1053	99-9666	1	Module
149B	99-9114	1	Nut-Hex, Metric
154G	99-9206	1	Nut-Hex, Metric
309	104-7716	1	Motor-Starter
44D	99-9201	2	Screw-Hex, 10mm
474	99-9209	1	Alternator

Ref. No.	Part No.	Qty.	Description



Gasket and Valve Overhaul Kit

Ref. No.	Part No.	Qty.	Description
03	99-9003	1	Seal-Oil
07	99-9612	1	Gasket-Head, Cylinder
1022	99-9073	1	Gasket-Cover, Rocker
1033	99-9668	1	Valve Overhaul Kit
1062	99-9163	1	Gasket-Outlet
1065	99-9166	1	Gasket-Housing, Inlet
1067	99-9168	1	Gasket-Pump, Water
1070	99-9120	1	Gasket-Strainer, Oil
1078	99-9121	1	Gasket-Pan, Oil
1080	99-9021	1	Gasket-Retainer
20	99-9126	1	Seal-Oil
355	99-9063	1	Washer-Seal
355A	99-9645	1	Washer-Seal
358	99-9667	1	Gasket-Set
51	99-9662	1	Gasket-Intake
868	99-9643	6	Seal-Valve
88	99-9653	1	Gasket-Cover, Gear
883	99-9178	1	Gasket-Exhaust
883A	99-9179	1	Gasket-Exhaust
88A	99-9136	1	Gasket-Cover, Gear

Ref. No.	Part No.	Qty.	Description

Maintenance Record

[illegible]

Maintenance Record

[illegible]

