



Count on it.

Parts Catalog

Groundsmaster® 3505-D

Model No. 30826—Serial No. 260000001 and Up

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 illustration and in parts 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.

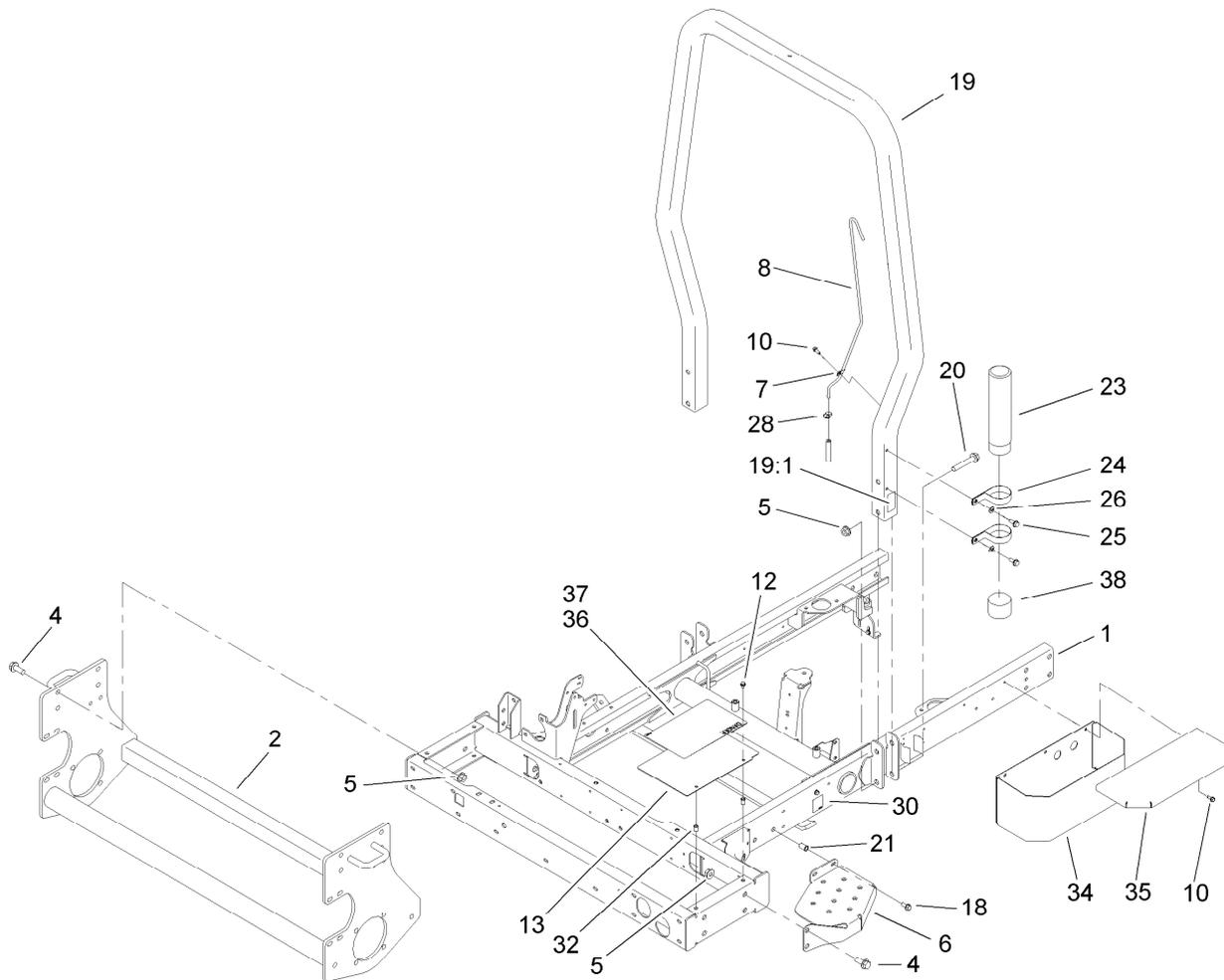
List of Abbreviations

AR: as required	HOC: height-of-cut	RRB: rear roller brush
ASM: assembly	HSBH: hex socket button head	SFH: slotted fillister head
BBC: blade brake control	HSFH: hex socket flat head	SHH: slotted hex head
BHTF: button head thread forming	HSH: hex socket head	SHWH: slotted hex washer head
CARR: carriage	HWH: hex washer head	SPH: slotted pan head
CCW: counter clockwise	HWTF: hex washer head thread forming	SQH: square head
CW: clockwise	HYD: hydraulic	SRH: slotted round head
DEG: degrees	LH: left hand	STD: standard
DPA: Dual Point Adjustment	LP: Liquid Propane	TAP: self tapping
ECM: electronic control module	NI: nylon insert	TTH: torx truss head
EXT: external	NPTF: national pipe thread fine	
FH: flat head	PFH: phillips flat head	
GA: gauge	PPH: phillips pan head	
HD: heavy-duty	PPHTF: phillips pan head thread forming	
HF: hex flange	PRH: phillips round head	
HH: hex head	PTH: phillips truss head	
HHF: hex head flange	PTO: power-take-off	
HHFTF: hex head flange thread forming	RH: right hand	
HJ: hex jam	ROPS: roll-over protection system	
HLH: hex lag head		

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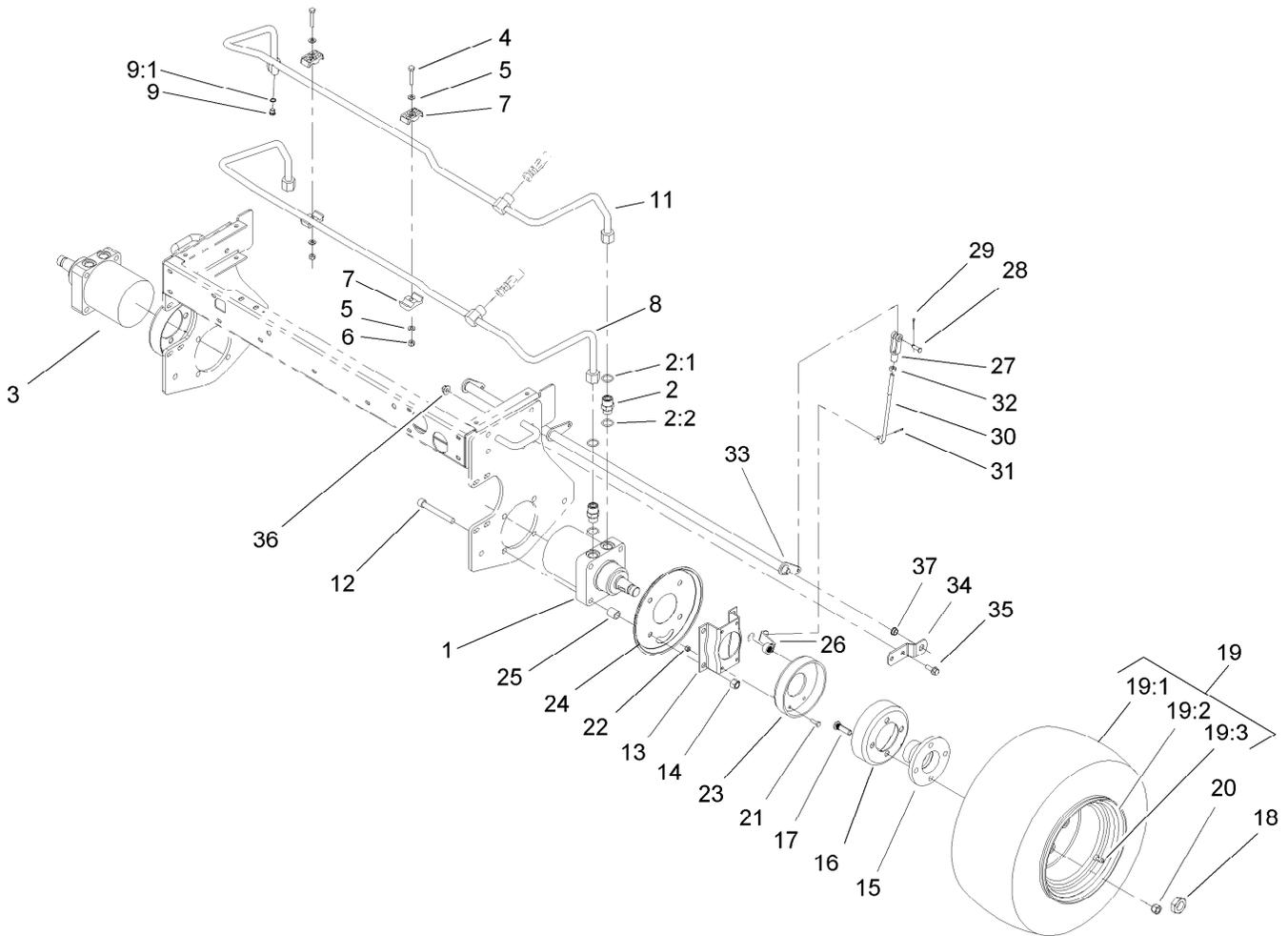
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Frame Assembly

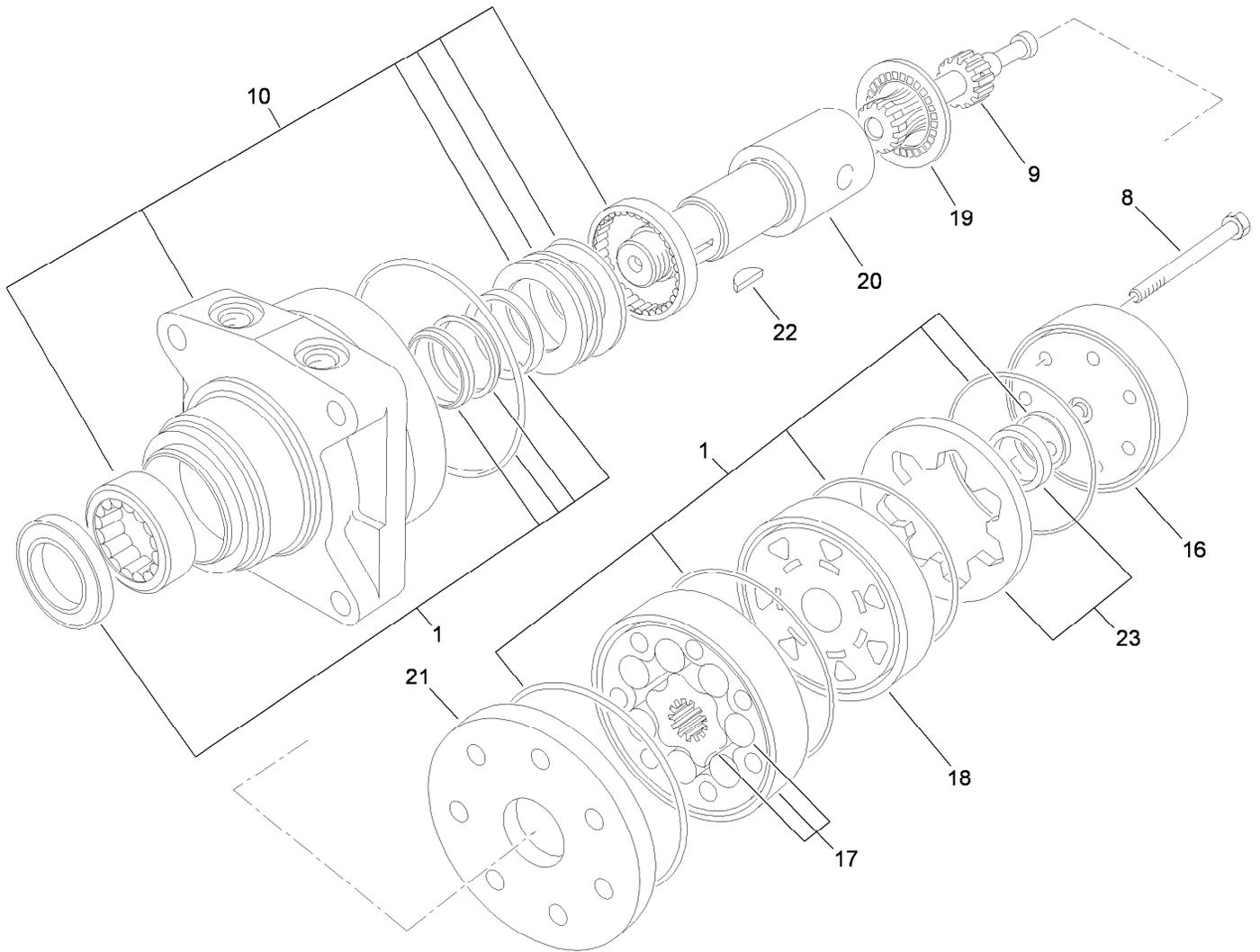
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	99-3610-03	1	Frame ASM	21	32148-8	2	Insert-Threaded
2	95-8568-03	1	Frame-Lower	23	104-7050	1	Tube-Manual
4	3234-38	8	Screw-HHF	24	2412-133	2	R-Clamp
5	32128-49	12	Nut-HHF	25	32144-70	2	Screw-HWHTF
6	99-3375-03	1	Step	26	3256-23	2	Washer-Flat
7	2412-72	3	Clip-Closed, Insulated	28	2412-108	1	Clamp-Worm
8	95-8615	1	Tube-Breather	30	1	Decal-Noise	
10	32144-10	6	Screw-HWH	32	32148-6	2	Insert-Nut
12	3234-4	2	Screw-HHF	34	104-4634-03	1	Toolbox ASM
13	104-0468-01	1	Cover-Frame	35	104-4633-03	1	Toolbox Cover ASM
18	3234-5	2	Screw-HHF	36	108-9015	1	Decal-Danger
19	107-7833	1	ROPS ASM	37	104-5181	1	Decal-Danger, Ce
19:1	107-7831	1	Decal-ROPS	38	104-7048	1	Cap-Housing
20	3234-40	4	Screw-HF				



Front Wheel and Brake Assembly

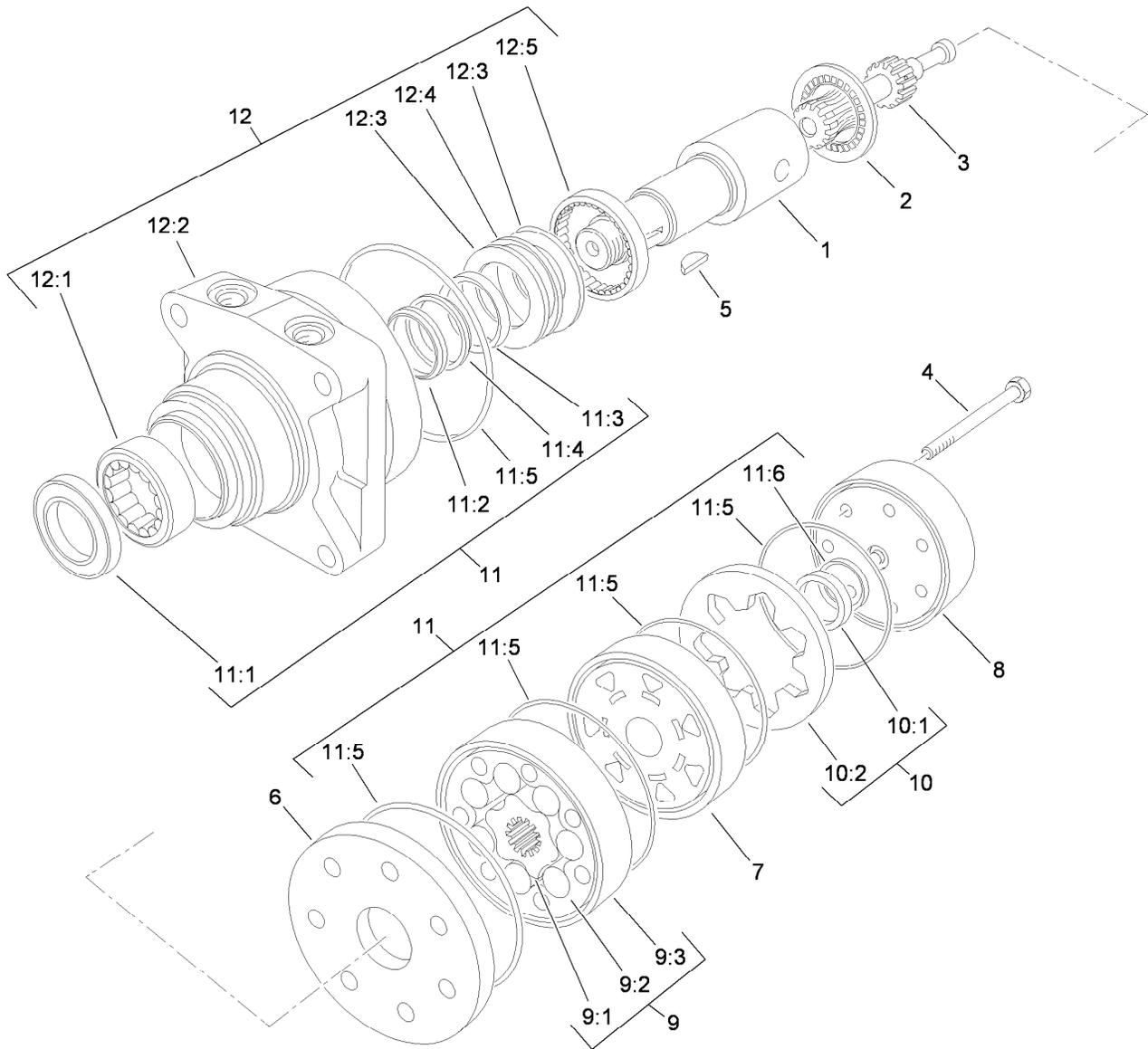
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	75-9990	1	HYD Motor ASM	19:1	95-8656	1	Tire-4-Ply Turf-Trac
2	340-7	4	Adapter	19:2	99-3474	1	Rim-Wheel
2:1	237-65	1	O-Ring	19:3	232-27	1	Stem-Valve
2:2	237-80	1	O-Ring	20	242-50	8	Nut-Lug
3	95-8693	1	HYD Motor ASM	21	321-5	8	Screw-HH
4	322-9	2	Screw-HH	22	3296-42	8	Nut-Lock, NI
5	3256-23	4	Washer-Flat	23	104-7705	2	Brake ASM
6	3296-29	2	Nut-Lock, NI	24	104-0485-03	2	Shield-Wheel
7	56-7971	4	Clamp-Tube	25	92-1715	8	Spacer
8	95-8783	1	Tube ASM	26	93-6850	2	Lever-Brake
9	353-990	1	Plug	27	282-2	2	Yoke
9:1	237-78	1	O-Ring	28	283-1	2	Pin-Clevis
11	95-8784	1	Tube ASM	29	3272-10	2	Pin-Cotter
12	3274-99	8	Screw-HSH	30	104-4627	2	Rod-Adjusting
13	84-2000-03	2	Bracket-Brake	31	3272-6	2	Pin-Cotter
14	3296-23	8	Nut-Lock, NI	32	3220-2	2	Nut-Jam
15	93-6838	2	Hub-Wheel	33	104-4625-03	1	Brake Pivot Shaft ASM
16	10-6850	2	Drum-Brake	34	95-8683	2	Bracket-Pivot, Brake
17	85-6540	8	Stud-Drive	35	3234-11	4	Screw-HHF
18	26-3790	2	Nut-Lock	36	32128-43	4	Nut-Flange
19		2	Tire And Wheel ASM ●	37	256-156	2	Bushing-Flange

● Not serviced separately



Hydraulic Motor Assembly No. 75-9990

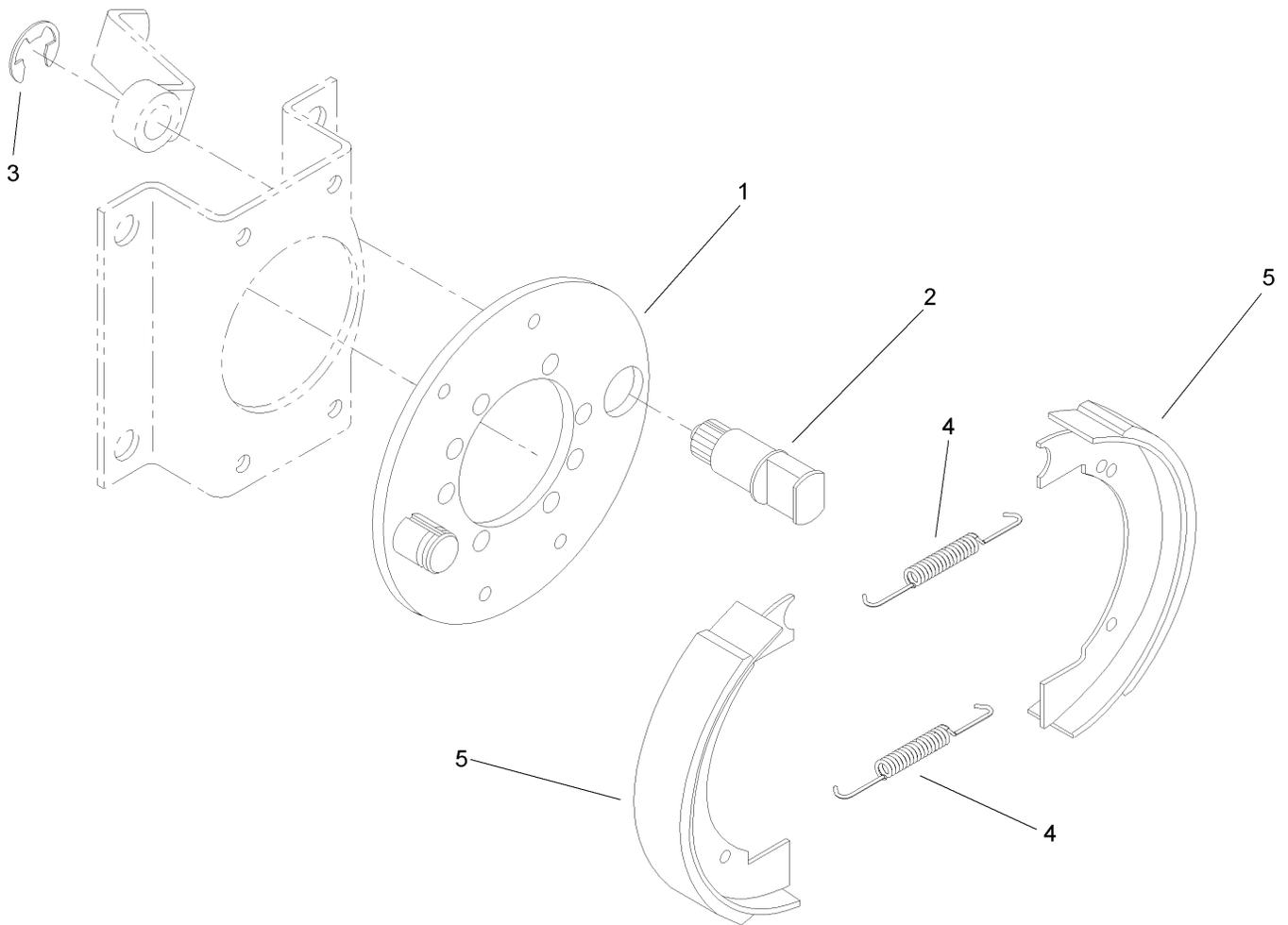
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	76-0800	1	Seal Kit
8	76-1010	7	Screw
9	76-0960	1	Link-Drive
10	76-0810	1	Housing ASM
16	76-0940	1	End Cover ASM
17	76-0970	1	Rotor Set
18	76-0840	1	Manifold
19	76-0850	1	Bearing-Thrust
20	76-0860	1	Shaft-Coupling
21	76-0870	1	Plate-Wear
22	3257-42	1	Key-Woodruff
23	76-0880	1	Commutator ASM



Hydraulic Motor Assembly No. 95-8693

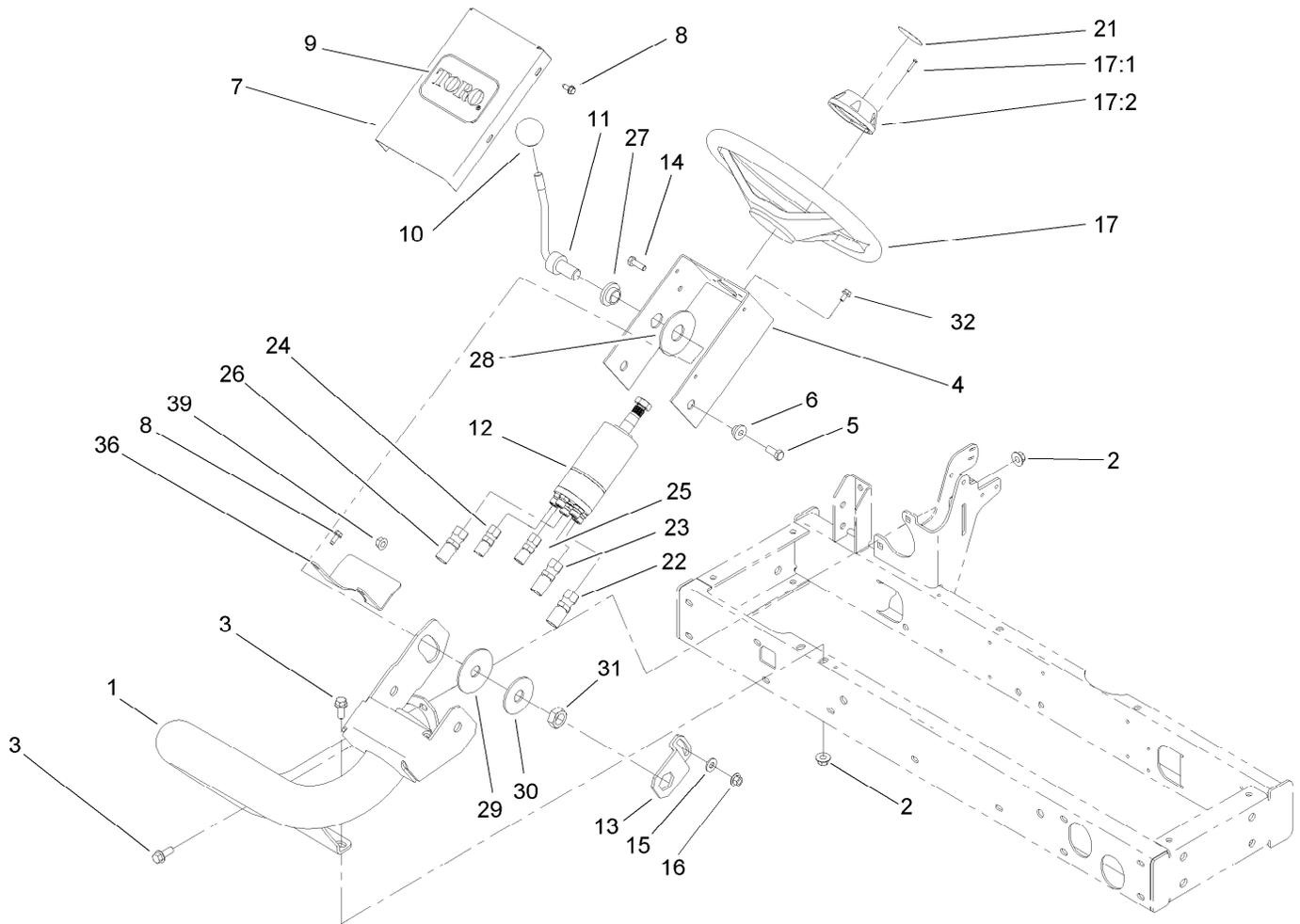
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	76-0860	1	Shaft-Coupling	10:2		1	Ring-Commutator ●
2	76-0850	1	Bearing-Thrust	11	76-0800	1	Seal Kit
3	76-0960	1	Link-Drive	11:1		1	Seal-Dirt And Water ●
4	76-1010	7	Screw	11:2		1	Backup-Ring ●
5	3257-42	1	Key-Woodruff	11:3		1	Seal-Shaft ●
6	76-0870	1	Plate-Wear	11:4		1	Washer-Back Up ●
7	99-3535	1	Manifold	11:5		5	Seal-Square, Ring (Inner) ●
8	76-0940	1	End Cover ASM	11:6		1	Seal-Commutator ●
9	76-0970	1	Rotor Set	12	76-0810	1	Housing ASM
9:1		1	Rotor ●	12:1		1	Bearing ●
9:2		7	Vane ●	12:2		1	Housing ●
9:3		1	Stator ●	12:3		2	Washer-Thrust ●
10	76-0880	1	Commutator ASM	12:4		1	Bearing-Thrust ●
10:1		1	Commutator ●	12:5		1	Bearing ●

● Not serviced separately



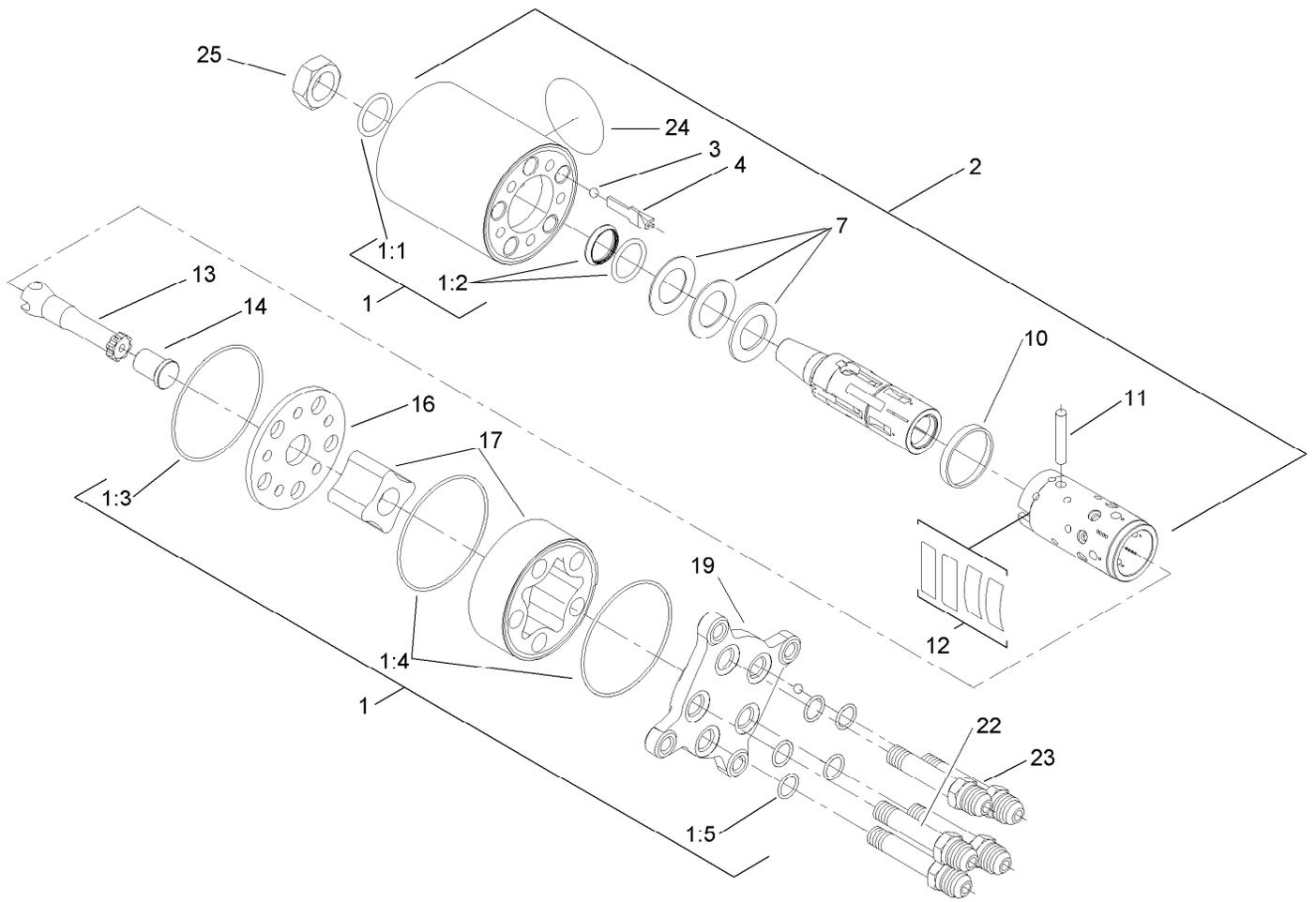
Brake Assembly No. 104-7705

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	70-9870	1	Plate-Backing
2	104-7707	1	Shaft-Cam, Brake
3	104-7706	1	E-Ring, Bowed
4	70-9880	2	Spring-Return
5	70-9840	2	Shoe-Brake



Steering Column Assembly

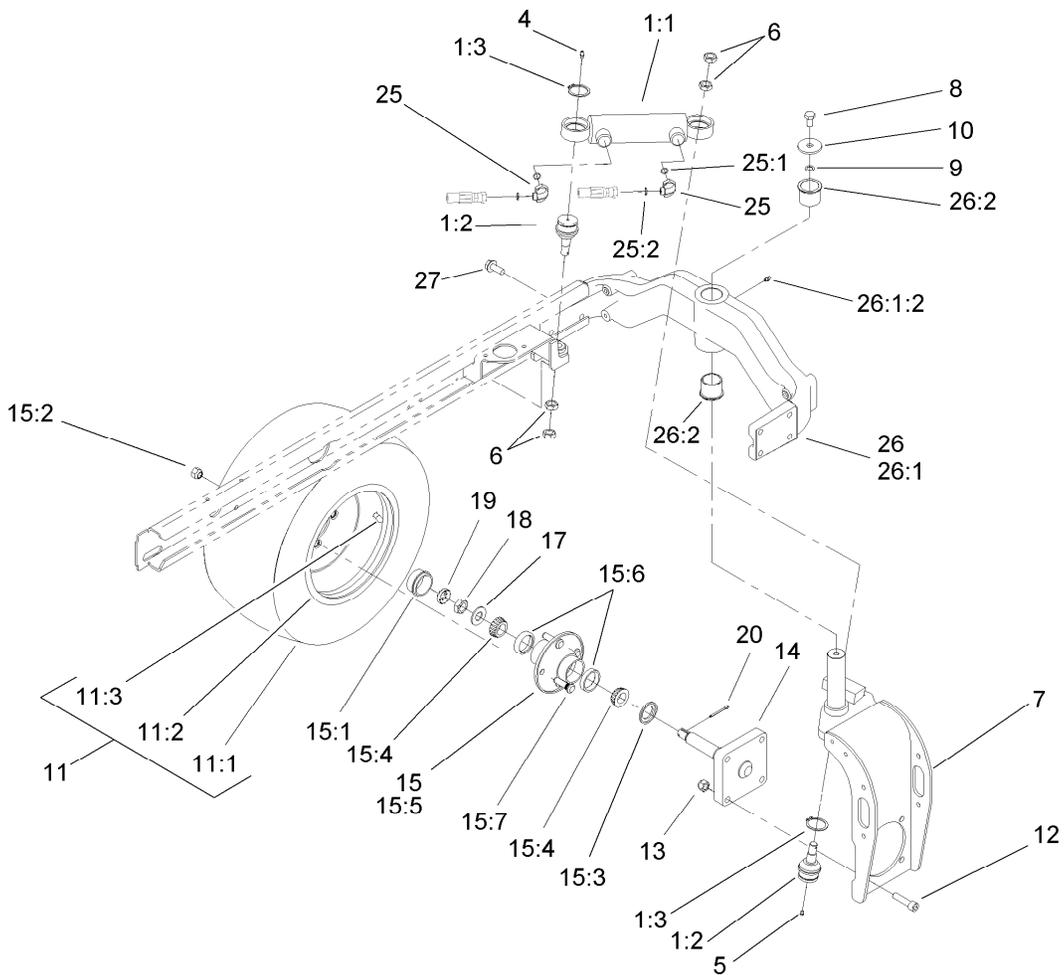
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	108-9003-01	1	Arm-Steering	17:1	32144-21	1	Screw
2	32128-43	4	Nut-Flange	17:2	68-5140	1	Cap-Wheel, Steering
3	3234-11	4	Screw-HHF	21	68-5370	1	Decal
4	104-5185-01	1	Bracket-Valve, Steering	22	95-8842	1	Hose ASM
5	323-5	2	Screw-HH	23	95-8843	1	Hose ASM
6	93-5988	2	Hub-Pivot	24	100-4892	1	Hose ASM
7	95-8794-01	1	Cover-Valve, Steering	25	100-4893	1	Hose ASM
8	32144-10	5	Screw-HWH	26	95-8846	1	Hose ASM
9	67-1300	1	Decal	27	99-3502	1	Boss
10	233-48	1	Knob	28	31-0390	1	Disc-Friction
11	95-8798-03	1	Lever-Steering	29	82-9010	1	Disc-Friction
12	104-5180	1	Steering Valve ASM	30	80-2930	1	Washer-Flat
13	80-2880	1	Bracket-Tilt	31	3218-7	1	Nut-Jam
14	322-5	1	Screw-HH	32	33103-012	4	Screw-HHF
15	3256-3	1	Washer-Flat	36	99-3405-01	1	Shield-Steering
16	32128-44	1	Nut	39	32128-21	2	Nut-HF
17	75-0560	1	Wheel-Steering				



Steering Valve Assembly No. 104-5180

Ref.	Part Number	Qty.	Description
1	106-6716	1	Seal Kit
1:1		1	Ring-Seal, Dust ●
1:2		1	Seal-Shaft ●
1:3		1	Seal-Dust ●
1:4		2	Seal-Dust ●
1:5		5	Seal-Dust ●
2		1	Housing ●
3		1	Ball ●
4		1	Stop-Ball ●
7		1	Bearing ASM ●
10		1	Ring ●
11		1	Pin-Cross ●
12		1	Springs ●
13		1	Shaft ●
14		1	Spacer ●
16		1	Plate-Distributor ●
17		1	Gearwheel Set ●
19		1	Cover-End ●
22		1	Screw-Special ●
23		4	Screw-Special ●
24		1	Plate-Name ●
25	3220-6	1	Nut-Jam

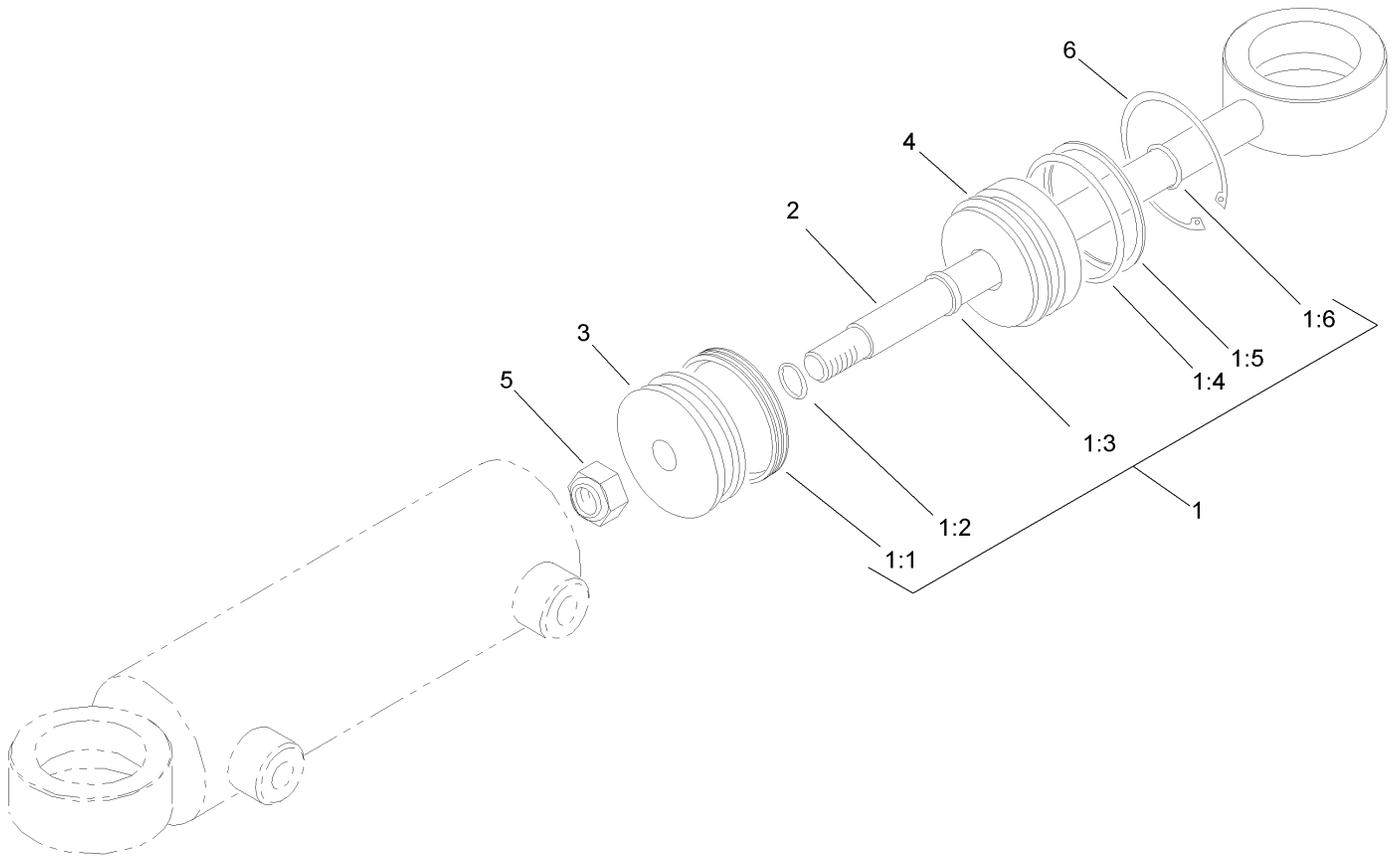
● Not serviced separately



Rear Fork and Tire Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1		1	Steering Cylinder / Balljoint ASM ●	15:1	241-119	1	Cap-Dust
1:1	94-8141	1	HYD Cylinder ASM	15:2	242-50	4	Nut-Lug
1:2	106-6774	2	Joint-Ball	15:3	253-129	1	Seal
1:3	32151-104	2	Ring-Retaining, External	15:4	254-94	2	Bearing-Cone, Tapered
4	302-5	1	Fitting-Grease	15:5	80-6580	1	Hub
5	302-59	1	Plug-Threaded	15:6	254-72	2	Bearing-Cup, Tapered
6	3220-6	4	Nut-Jam	15:7	10-6830	4	Stud-Type, Drive
7	95-8905-01	1	Fork-Rear	17	93-0309	1	Washer-Tab
8	325-3	1	Screw-HH	18	3220-7	1	Nut-Jam
9	3255-2	1	Washer-Lock / EXT	19	93-0307	1	Nut-Lock, Retainer
10	75-7730	1	Washer-Thrust	20	3272-13	1	Pin-Cotter
11		1	Tire And Wheel ASM ●	25	340-132	2	Fitting-HYD, 90 DEG
11:1	95-8656	1	Tire-4-Ply Turf-Trac	25:1	237-78	1	O-Ring
11:2	95-8657	1	Rim-Wheel	25:2	237-21	1	O-Ring
11:3	232-27	1	Stem-Valve	26	107-7828	1	Rear Casting ASM
12	3274-5	4	Screw-HSH	26:1		1	Casting-Rear
13	3296-23	4	Nut-Lock, NI	26:1:2	302-5	1	Fitting-Grease
14	104-3966-03	1	2 Wheel Drive Hub ASM	26:2	95-8805	2	Bushing
15	80-6570	1	Hub ASM	27	3234-38	8	Screw-HHF

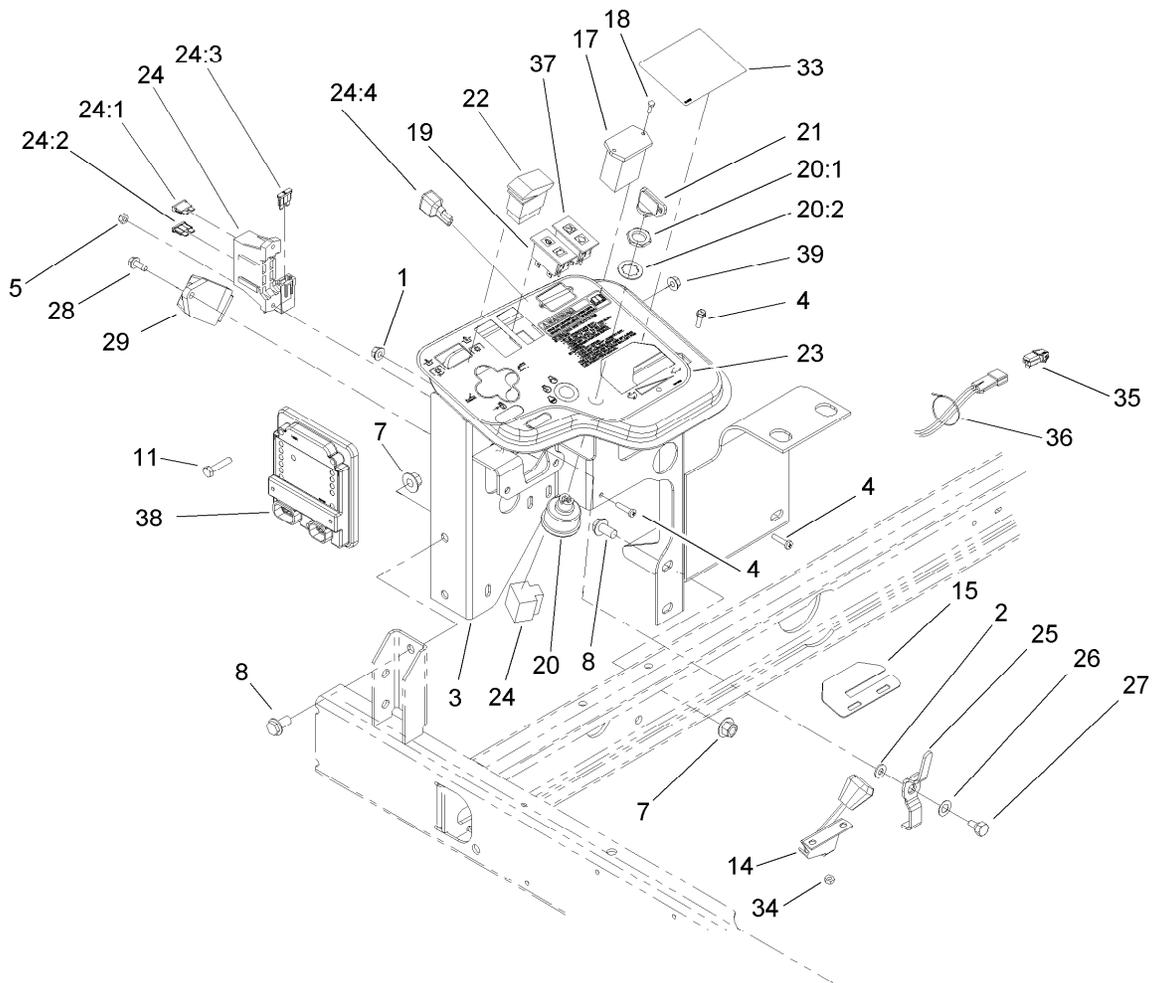
● Not serviced separately



Hydraulic Cylinder Assembly No. 94-8141

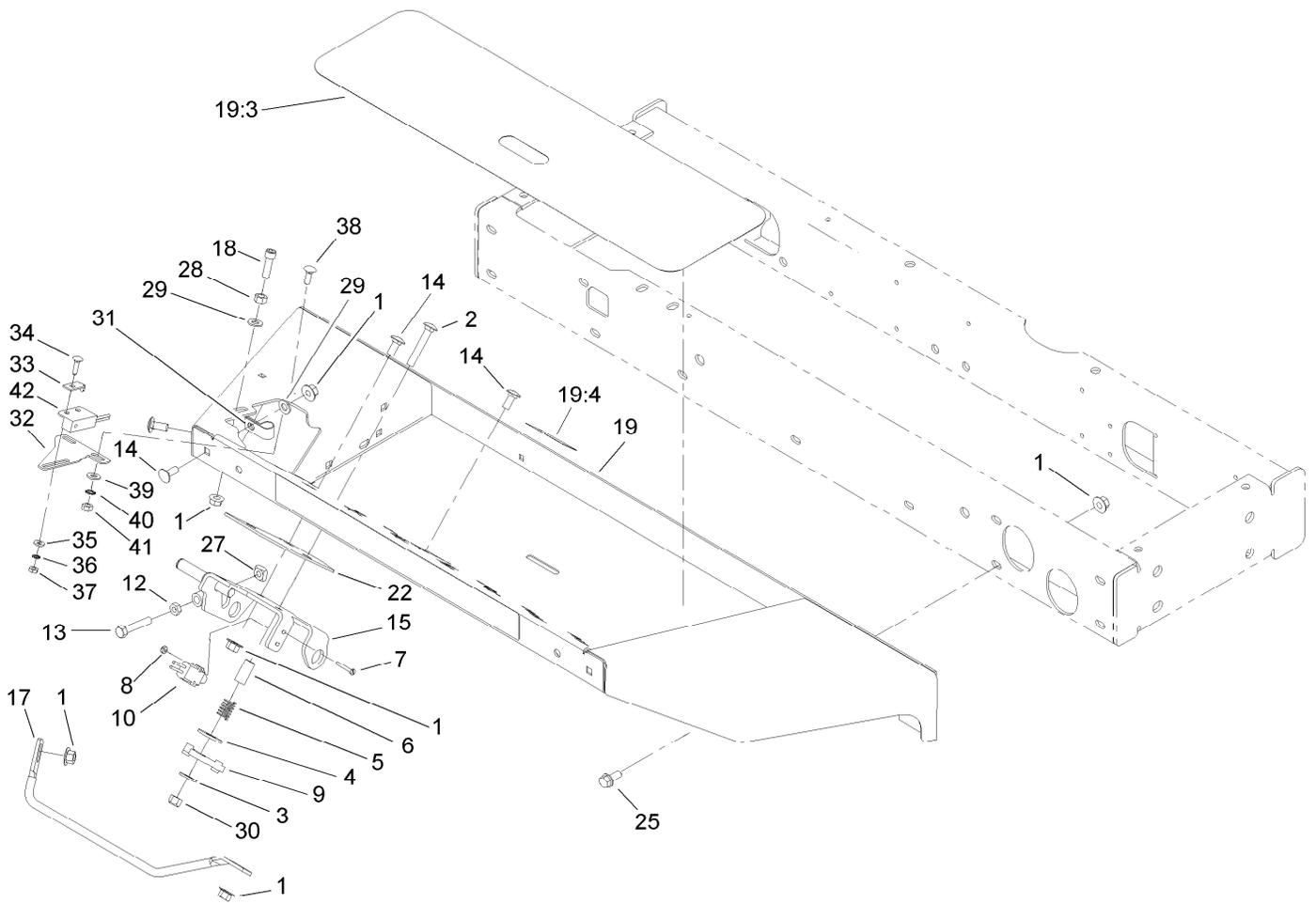
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	86-5390	1	Seal Kit
1:1		1	Uniring ●
1:2		1	Seal-Dust ●
1:3		1	Seal-Rod ●
1:4		1	Seal-Dust ●
1:5		1	Ring-Backup ●
1:6		1	Seal-Dust ●
2		1	Rod ●
3		1	Piston ●
4		1	Gland ●
5		1	Nut-Lock ●
6		1	Ring-Retaining ●

● Not serviced separately



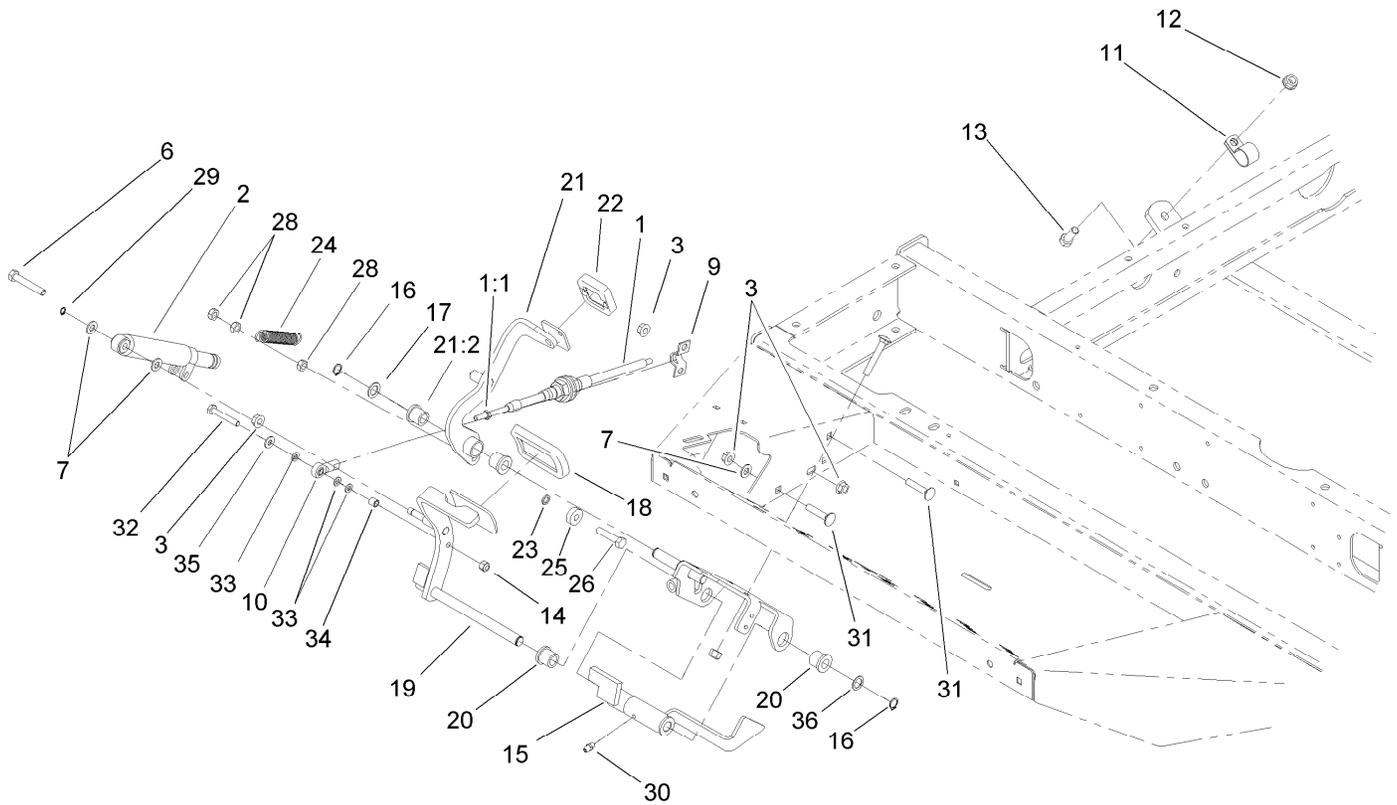
Control Panel Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	32128-32	1	Nut-HHF	23	108-9006	1	Decal-Console
2	3256-22	1	Washer-Flat	24	104-5165	1	Harness-Wire
3	104-5190-03	1	Panel-Control	24:1	109355	1	Fuse-Blade, 15 Amp
4	32105-13	4	Screw-HWH	24:2	218-578	2	Fuse-Blade, 10 Amp
5	3296-2	2	Nut-Lock, NI	24:3	94-6710	1	Fuse-2 Amp
7	32128-43	5	Nut-Flange	24:4	100-4918	1	Diode
8	3234-1	5	Screw-HHF	25	99-3401-03	1	Lever-Valve, Lock
11	321-8	3	Screw-HH	26	3290-477	1	Washer-Curved
14	110-8750	1	Cable-Throttle	27	63-3410	1	Screw-Shoulder
15	104-0421	1	Plate-Stop, Throttle	28	32144-10	1	Screw-HWH
17	75-6820	1	Hourmeter	29	98-7611	1	Controller-Glow
18	32144-18	2	Screw-HH	33	99-3558	1	Decal-Console, Ce
19	100-8070	1	Lamp-Warning	34	3290-148	2	Nut-HF
20	104-2541	1	Switch ASM	35	104-4875	1	Harness-Wire, Jumper
20:1	218-461	1	Nut-HH	36	3290-379	1	Tie-Cable
20:2	3254-5	1	Washer-Tooth, Internal	37	100-8071	1	Lamp-Warning
21	63-8360	2	Key-Ignition	38	106-9277	1	Module-Control, Standard
22	95-8999	1	Switch	39	32128-33	3	Nut-HF



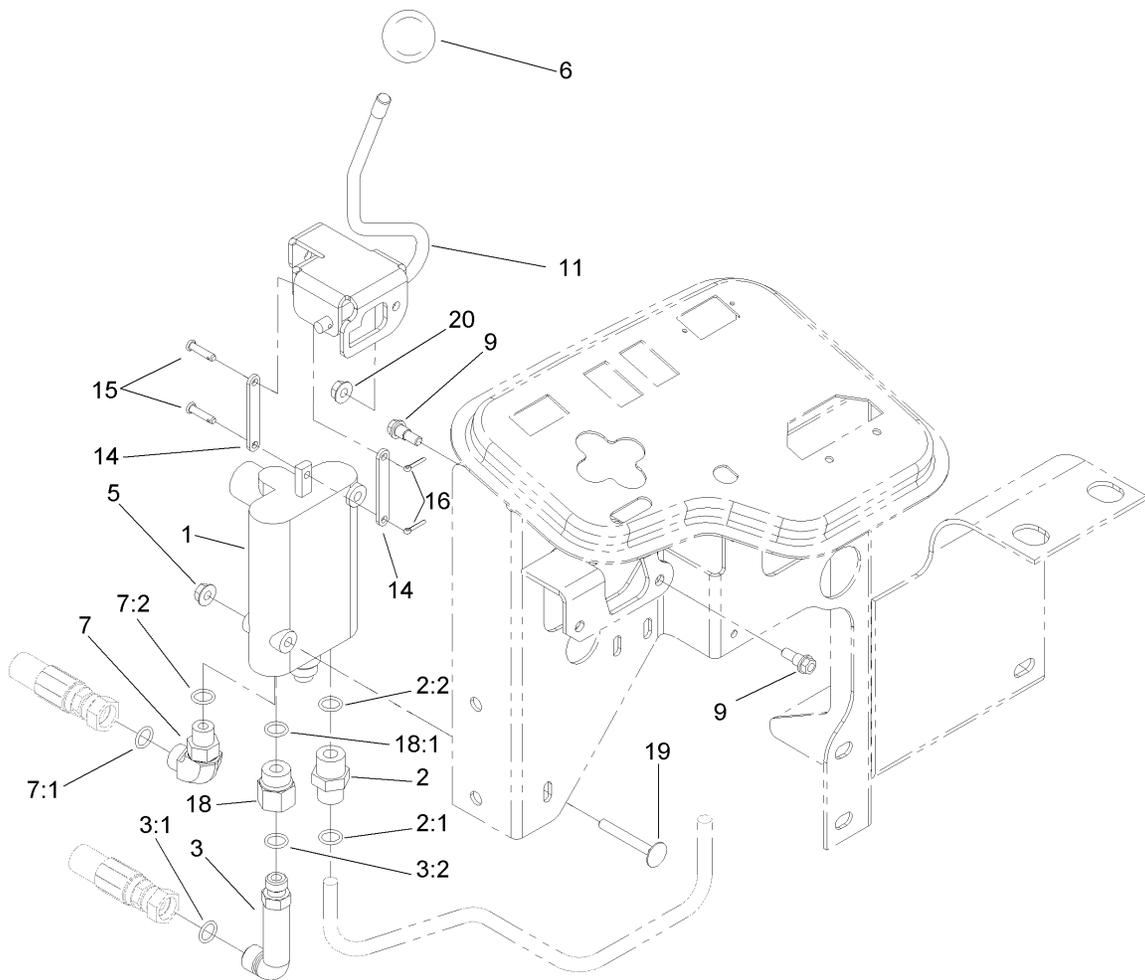
Front Platform Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	32128-20	18	Nut-HF	22	106-2661-01	1	Plate-Support
2	3230-6	1	Screw-CARR	25	3234-5	10	Screw-HHF
3	3256-3	1	Washer-Flat	27	99-3565	1	Nut-Square
4	3256-40	1	Washer-Flat	28	3217-6	1	Nut-Hex
5	65-9940	1	Spring	29	3256-23	2	Washer-Flat
6	95-8866	1	Tube-Arm, Rocker	30	3296-29	1	Nut-Lock, NI
7	32105-9	2	Screw	31	2412-103	1	Clamp
8	3296-9	2	Nut-Lock	32	100-4871	1	Bracket-Switch, Neutral
9	99-3593	1	Arm-Rocker	33	100-4872	1	Plate-Switch, Neutral
10	95-8900	1	Switch	34	3229-20	1	Screw-CARR
12	3218-2	1	Nut-Jam	35	3256-14	1	Washer-Flat
13	322-41	1	Screw-HH	36	3255-17	1	Washer-Lock, EXT
14	3230-23	7	Screw-CARR	37	3296-2	1	Nut-Lock, NI
15	95-8869-03	1	Bracket-Pedal, Traction	38	3229-1	2	Screw-CARR
17	95-8893	1	Bar-Deflector	39	3256-22	2	Washer-Flat
18	3274-22	1	Screw-HSH	40	3255-7	2	Washer-Lock/EXT
19	106-4154	1	Floorplate ASM	41	3217-5	2	Nut-Hex
19:3	99-3478	1	Tread-Foot	42	100-1270	1	Switch-Proximity
19:4	99-3444	1	Decal-Mow / Transport				



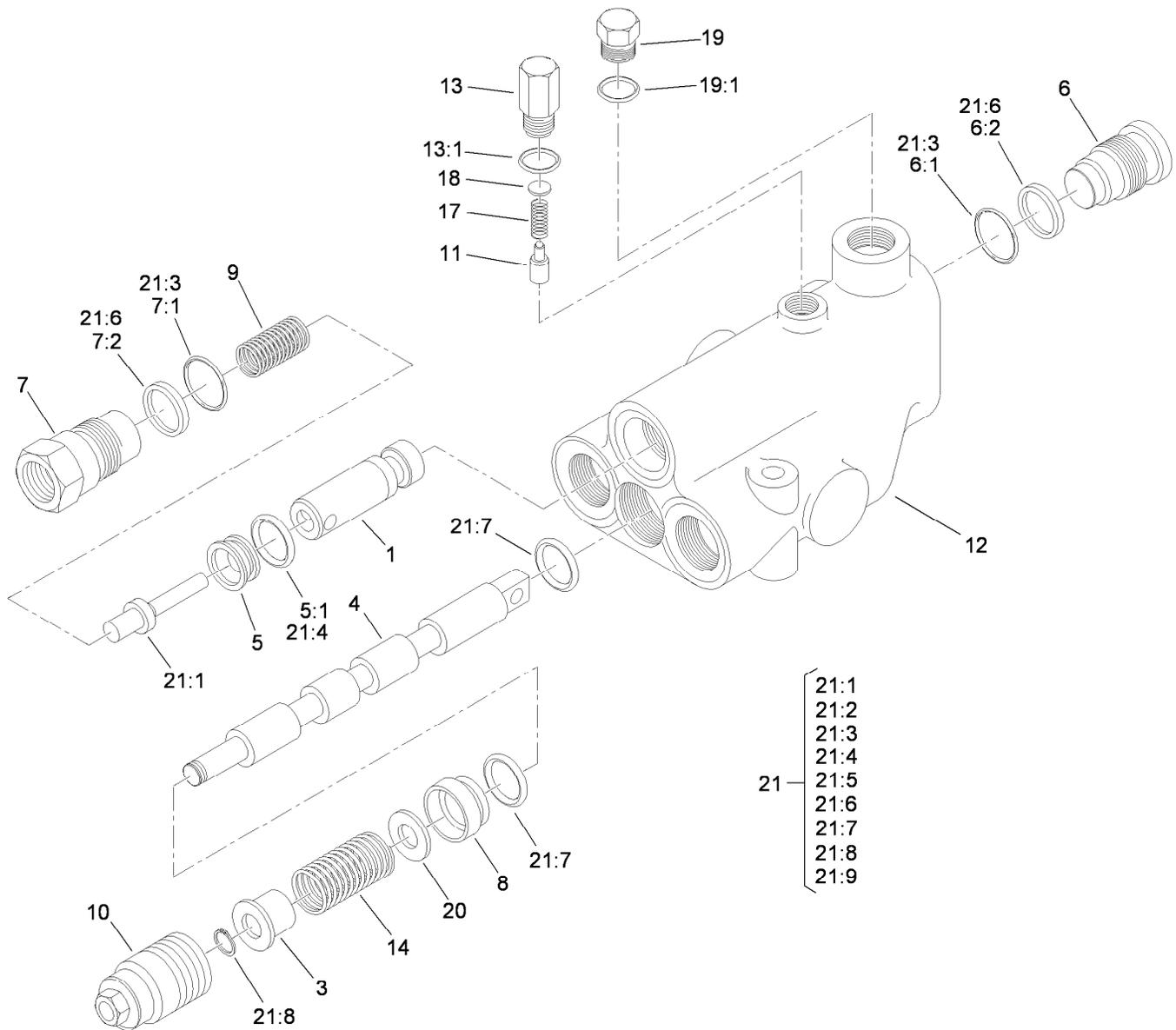
Traction Pedal Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-4815	1	Cable-Control, Traction	20	256-243	2	Bearing-Flange
1:1	3220-1	2	Nut-Jam	21	99-3379	1	Pedal-Reverse
2	76-8870	1	Lever Damper ASM	21:2	256-243	2	Bearing-Flange
3	32128-20	5	Nut-HF	22	74-9110	1	Pad-Pedal, Reverse
6	322-10	1	Screw-HH	23	75-5470	1	Spacer-Bearing
7	3256-23	3	Washer-Flat	24	99-3476	1	Spring-Extension
9	93-2092	1	Clamp-Cable	25	251-259	1	Bearing-Ball
10	2411-41	1	Rod End-Ball Joint	26	322-7	1	Screw-HH
11	2412-41	1	Clamp	28	3296-47	3	Nut-Lock, NI
12	3290-357	1	Nut-HHF, Whiz	29	32151-3	1	Ring-Grip
13	323-6	1	Screw-HH	30	302-5	1	Fitting-Grease
14	3296-42	1	Nut-Lock, NI	31	3230-27	1	Screw-CARR
15	95-8861	1	Slide	32	321-10	1	Screw-HH
16	32151-84	2	Ring-Shaft, EXT	33	33093-00	3	Washer-Flat
17	41-8440	1	Washer	34	99-3545	1	Spacer
18	74-9100	1	Pad-Pedal, Forward	35	3256-22	1	Washer-Flat
19	104-4852-03	1	Traction Pedal ASM	36	73-0040	4	Washer-Thrust



Control Valve Assembly

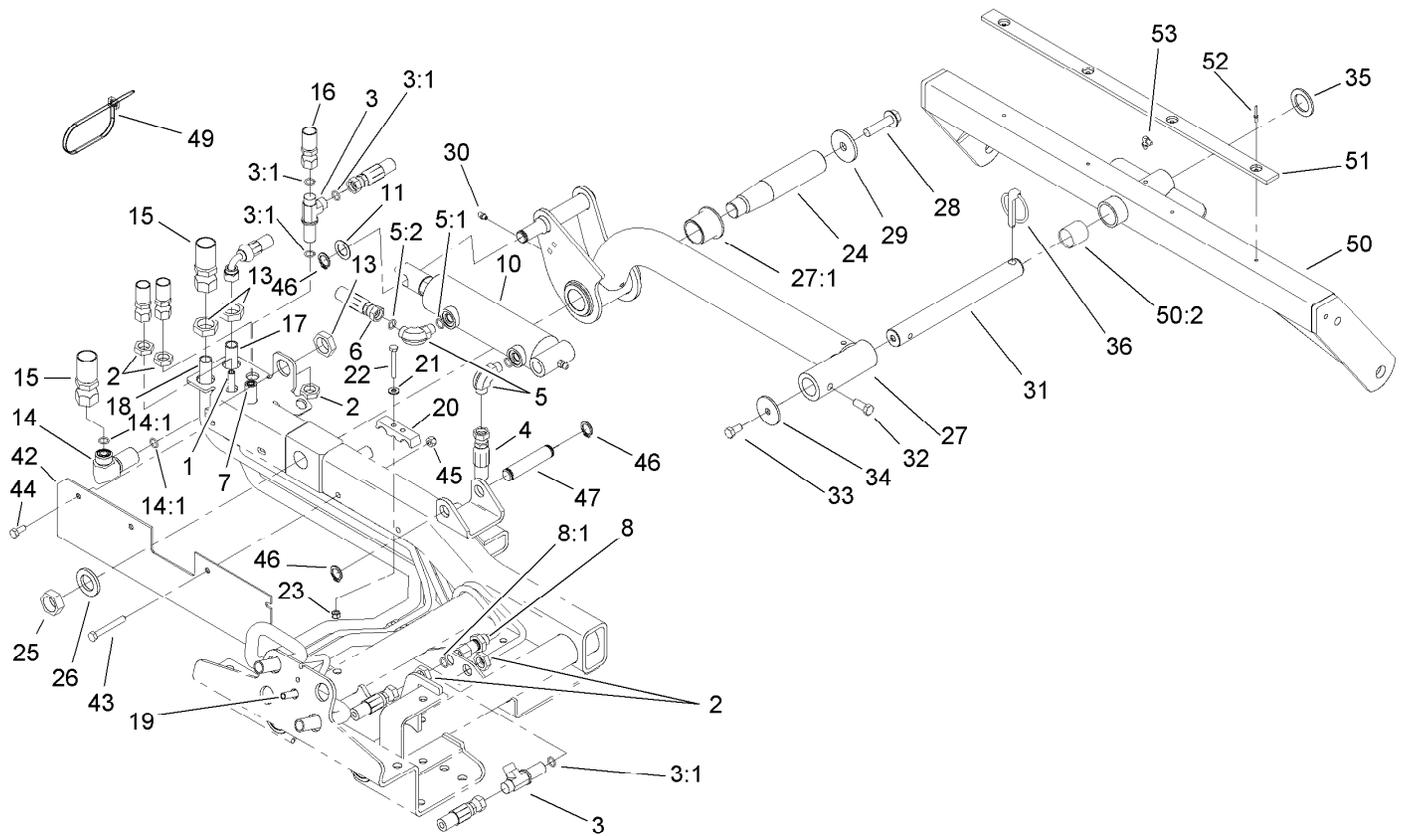
Ref.	Part Number	Qty.	Description
1	95-8689	1	Single Spool Control Valve ASM
2	340-3	1	Adapter
2:1	237-22	1	O-Ring
2:2	237-79	1	O-Ring
3	69-4320	1	Fitting-HYD, 90 DEG
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring
5	32128-33	2	Nut-HF
6	233-42	1	Knob
7	340-77	1	Fitting-HYD, 90 DEG
7:1	237-22	1	O-Ring
7:2	237-42	1	O-Ring
9	42-3560	2	Bolt-Shoulder
11	95-8692	1	Lever ASM
14	95-8634	2	Link
15	58-3830	2	Pin-Clevis
16	3272-5	2	Pin-Cotter
18	353-397	1	Reducer-Adapter
18:1	237-79	1	O-Ring
19	3230-33	2	Screw-CARR
20	32128-32	2	Nut-HHF



Single Spool Control Valve Assembly No. 95-8689

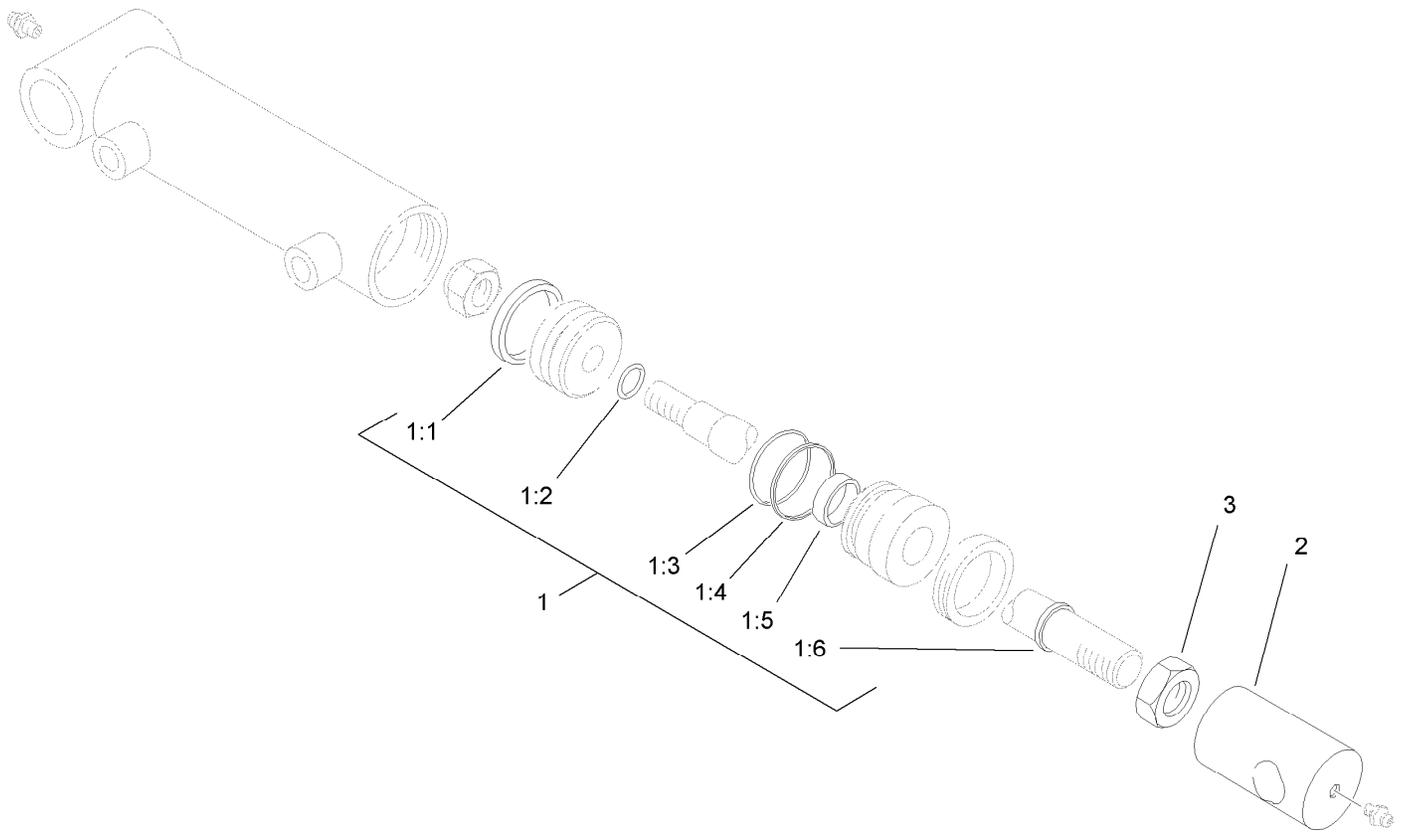
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	99-3586	1	Plunger	13:1	60-6410	1	O-Ring
3	58-6310	1	Spacer	14	99-3531	1	Spring
4		1	Spool ●	17	99-3587	1	Spring
5	58-6330	1	Seat	18	60-6450	1	Disc
5:1	58-6340	1	O-Ring	19	353-989	1	Plug-Hex, Hollow
6	58-6350	1	Plug	20	65-2770	1	Washer
6:1	60-5720	1	O-Ring	21	99-3589	1	Seal Kit
6:2	58-6370	1	Washer	21:1	58-6290	2	Poppet
7	69-1800	1	Plug ASM	21:2	58-6320	1	Wiper
7:1	60-5720	1	O-Ring	21:3	60-5720	2	O-Ring
7:2	58-6370	1	Washer	21:4	58-6340	2	O-Ring
8	58-6400	1	Bushing	21:5	93-6314	1	O-Ring
9	69-1810	1	Spring	21:6	58-6370	2	Washer
10	58-6420	1	Cap	21:7	58-6450	2	O-Ring
11	99-3585	1	Detent-Plunger	21:8	58-6460	1	Ring-Retaining
12		1	Body ●	21:9		1	O-Ring ●
13	99-3588	1	Plug ASM				

● Not serviced separately



Rear Lift Arm Assembly

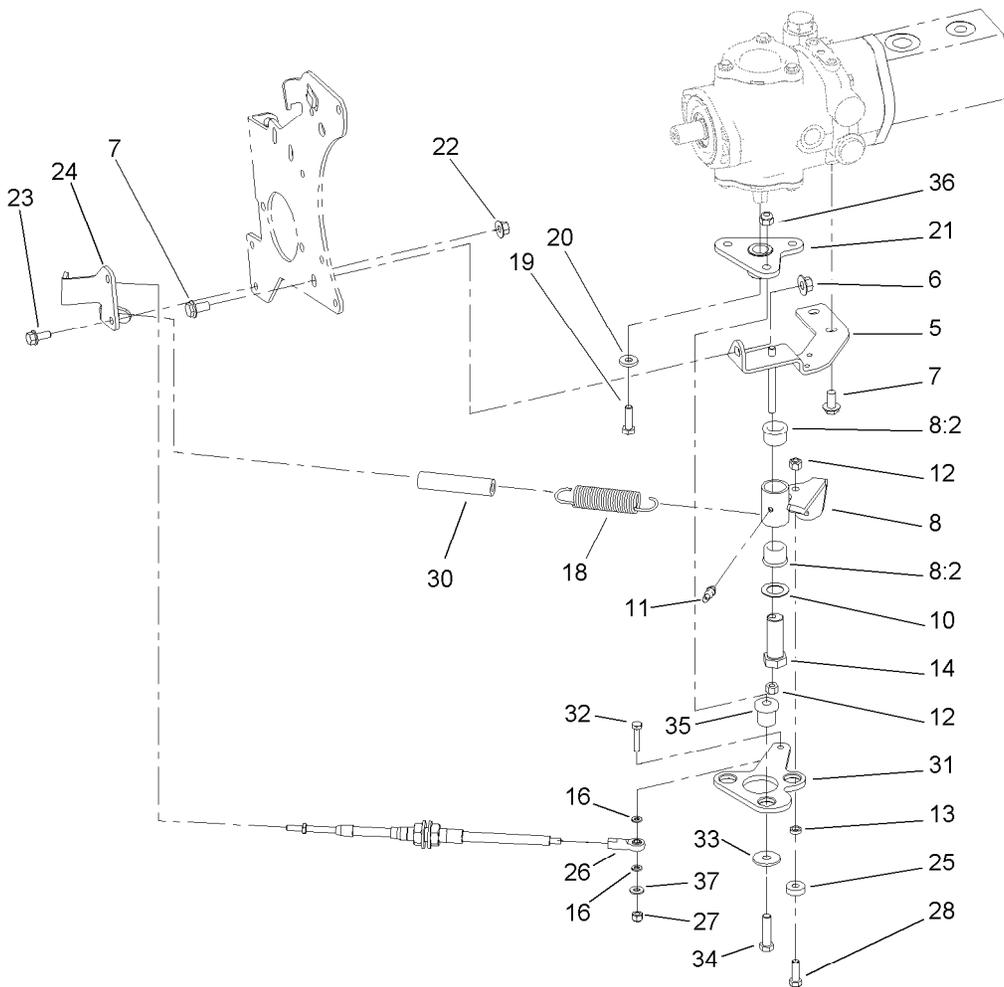
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	104-0402	1	Tube ASM	24	95-8990	1	Shaft-Pivot, Rear
2	340-70	5	Nut-Lock	25	3220-9	1	Nut-Jam
3	340-68	2	Fitting-Tee, Bulkhead	26	86-1480	1	Washer
3:1	237-22	3	O-Ring	27	100-4938	1	Rear Lift Arm ASM
4	104-0407	1	Hose ASM	27:1	69-6470	2	Bushing-Castor
5	340-77	2	Fitting-HYD, 90 DEG	28	3234-27	1	Screw-HHF
5:1	237-22	1	O-Ring	29	75-7730	1	Washer-Thrust
5:2	237-42	1	O-Ring	30	302-5	1	Fitting-Grease
6	99-3579	1	Hose ASM	31	100-4944	1	Shaft-Pivot, Cutting Unit
7	104-0403	1	Tube ASM	32	323-6	1	Screw-HH
8	340-71	1	Fitting-Straight, Bulkhead	33	323-4	1	Screw-HH
8:1	237-22	2	O-Ring	34	63-7400	1	Washer-Rebound
10	108-9033	1	HYD Cylinder ASM	35	3-6781	1	Washer-Thrust
11	3-6498	1	Washer-Thrust	36	283-71	1	Pin-Lynch
13	340-74	3	Nut-Lock, Bulkhead	42	104-0453-03	1	Guard
14	340-72	1	Fitting-Bulkhead, 90 DEG	43	322-12	2	Screw-HH
14:1	237-65	2	O-Ring	44	322-3	2	Screw-HH
15	108-9004	2	Hose ASM	45	32128-20	4	Nut-HF
16	94-6383	1	Hose ASM	46	32120-93	3	Ring-Retaining
17	104-0401	1	Tube ASM	47	95-8575	1	Pin
18	104-0400	1	Tube ASM	49	3334-945	2	Tie-Cable
19	104-0404	1	Tube ASM	50	104-4229	1	Rear Carrier Frame ASM
20	99-3641	2	Clamp-Tube	50:2	108-4000	2	Bushing
21	3256-22	4	Washer-Flat	51	95-8936	1	Strip-Wear
22	321-11	2	Screw-HH	52	3269-18	4	Rivet-Pop
23	3296-42	2	Nut-Lock, NI	53	302-60	1	Fitting-Grease



Hydraulic Cylinder Assembly No. 108-9033

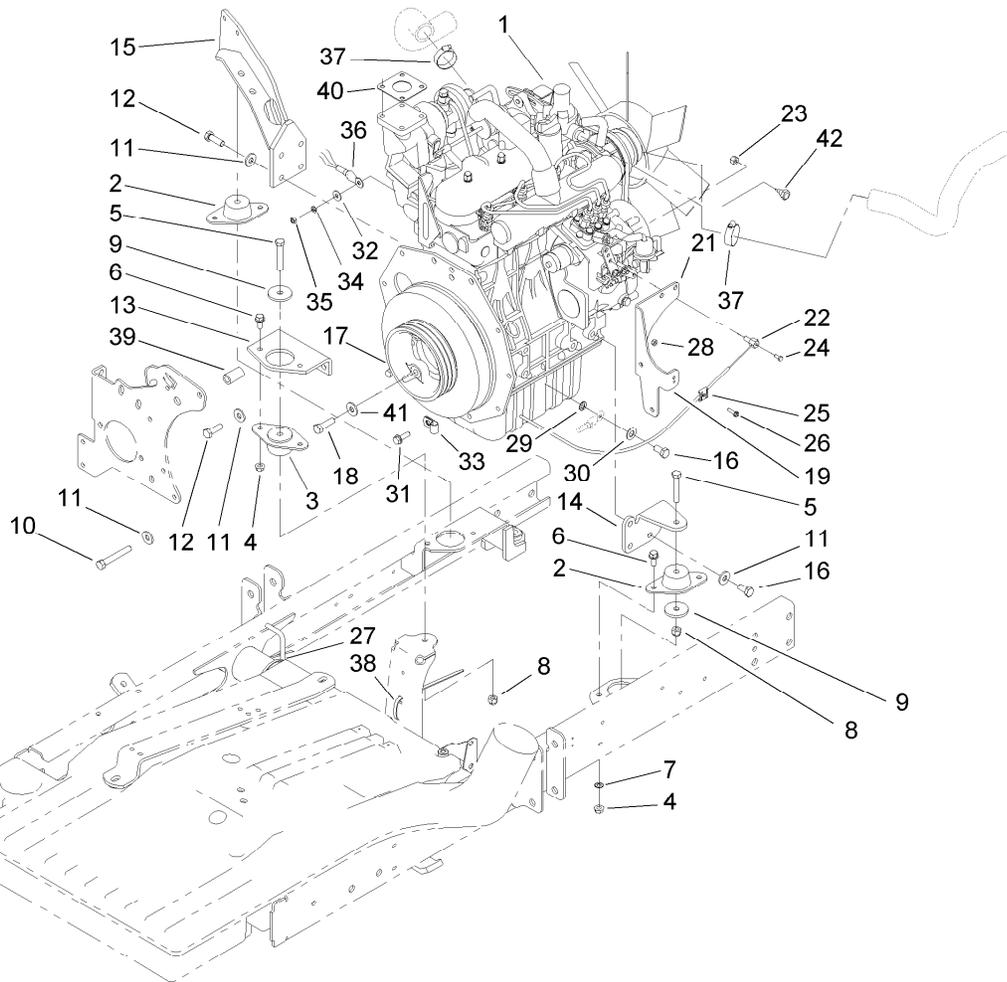
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	99-8163	1	Seal Kit
1:1		1	Uniring ●
1:2		1	Seal-Dust ●
1:3		1	Seal-Dust ●
1:4		1	Washer-Back-Up ●
1:5		1	Seal-Dust ●
1:6		1	Seal-Rod ●
2	108-9035	1	Clevis
3	3220-7	1	Nut-Jam

● Not serviced separately



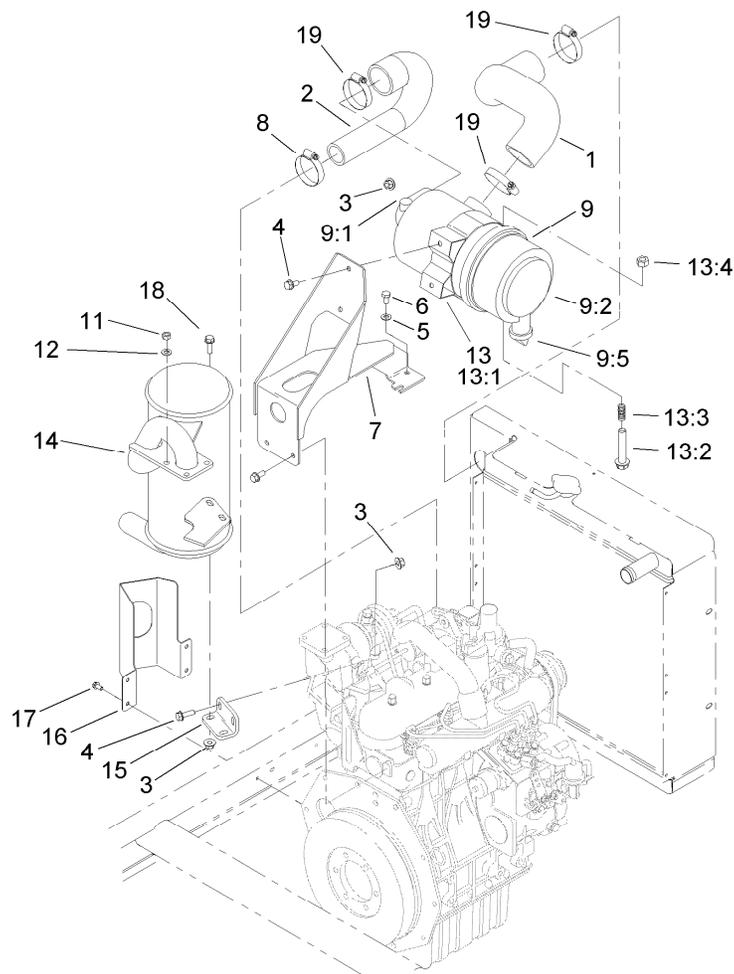
Neutral Arm Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	95-8960-03	1	Bracket-Neutral	22	32128-44	2	Nut
6	32128-43	1	Nut-Flange	23	3234-5	2	Screw-HHF
7	3234-1	3	Screw-HHF	24	104-0464-03	1	Bracket-Support, Cable
8	104-0422	1	Neutral Arm ASM	25	251-259	1	Bearing-Ball
8:2	256-113	2	Bushing-Flange	26	2411-41	1	Rod End-Ball Joint
10	3-6498	1	Washer-Thrust	27	3296-42	1	Nut-Lock, NI
11	302-60	1	Fitting-Grease	28	3274-104	1	Screw-HSBH
12	3296-29	2	Nut-Lock, NI	30	99-3556	1	Hose
13	100-4817	1	Spacer-Bearing	31	99-3594-03	1	Lever-Pump
14	76-8640	1	Stud-Traction	32	321-8	1	Screw-HH
16	33093-00	2	Washer-Flat	33	2844	3	Washer
18	94-1369	1	Spring-Extension	34	95-3857	3	Screw-HSBH
19	3210-6	1	Screw-HH	35	63-9750	3	Mount
20	88-7200	1	Washer-Flat	36	3296-39	3	Nut-Lock, NI
21	99-3598-03	1	Hub ASM	37	3256-22	1	Washer-Flat



Engine Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	107-7822	1	Engine-Diesel	23	3296-20	1	Nut-Lock, NI
2	83-1030	2	Mount-Engine	24	25-8640	1	Screw-HH
3	93-5265	1	Mount-Engine	25	81-1690	1	Clamp-Cable
4	32128-20	6	Nut-HF	26	32105-13	1	Screw-HWH
5	323-11	3	Screw-HH	27	3290-379	2	Tie-Cable
6	3234-5	6	Screw-HHF	28	3296-2	1	Nut-Lock, NI
7	3255-8	1	Washer-Lock	29	3255-9	1	Washer-Lock
8	3296-39	3	Nut-Lock, NI	30	3256-25	1	Washer-Flat
9	80-8560	3	Washer-Hardened	31	3234-17	2	Screw-HHF
10	42-9370	1	Screw-HH	32	3256-78	1	Washer-Flat
11	80-6990	9	Washer-Hardened	33	2412-10	1	R-Clamp
12	95-8812	5	Screw-HH	34	43-5930	1	Washer-Lock, Spring
13	99-3618-03	1	Mount-Engine, Front	35	48-7890	1	Nut-Hex
14	95-8937-03	1	Mount-Engine, LH	36	99-3441	1	Harness-Wire, Fusible Link
15	100-4838-03	1	Mount-Engine	37	2412-34	2	Clamp-Hose
16	63-7790	4	Screw-Cap	38	3290-378	14	Tie-Cable
17	99-3626-03	1	Pulley	39	95-8736	1	Spacer
18	56-2140	3	Screw-HH	40	98-9611	1	Gasket
19	32128-44	2	Nut	41	3256-24	3	Washer-Flat
21	100-4867-03	1	Support-Throttle, Filter	42	106-7772	1	Thermoswitch
22	98-9311	1	Swivel-Throttle				

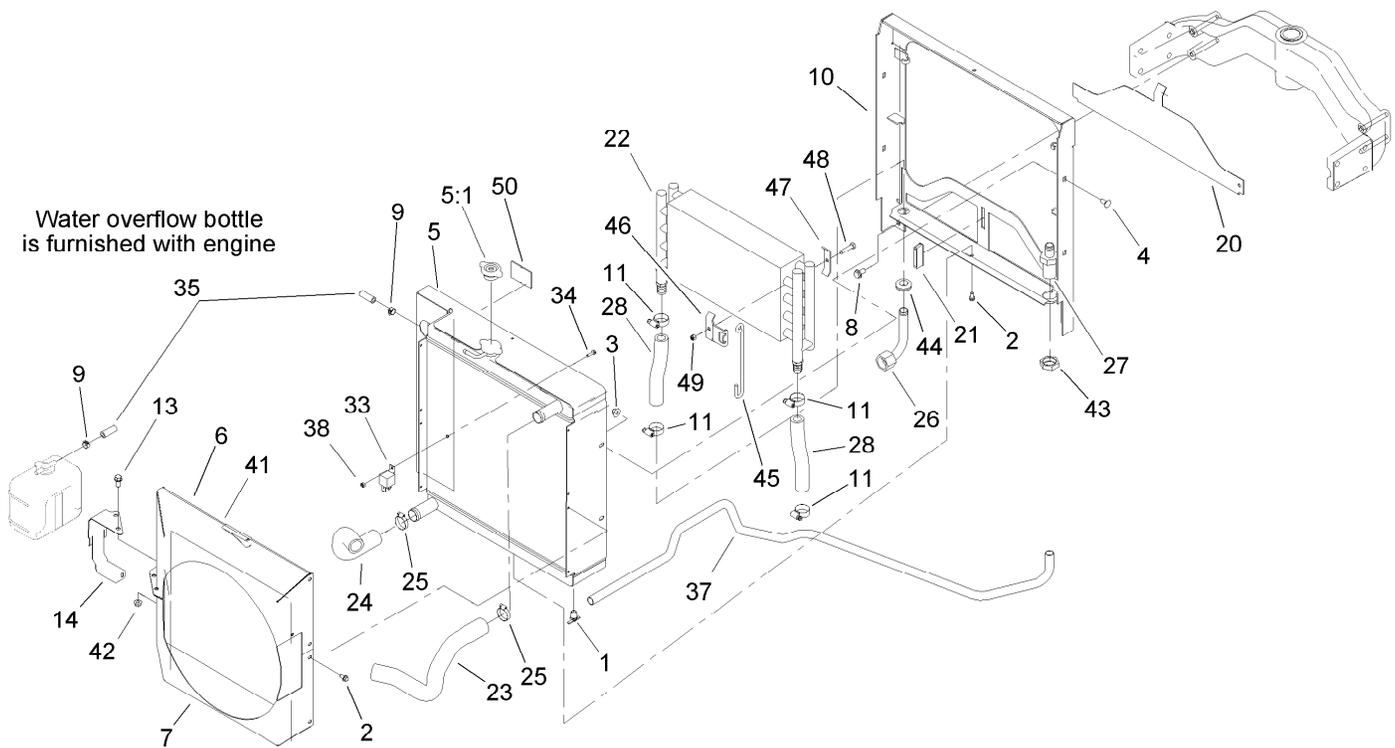


Air Cleaner and Muffler Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	104-0420	1	Hose-Air Intake, Upper	11	33014-00	4	Nut-Hex
2	99-3643	1	Hose-Air Intake, Lower	12	3253-4	4	Washer-Lock
3	32128-44	6	Nut	13	100-4825	1	Band-Mounting, Air Cleaner
4	3234-5	3	Screw-HHF	13:1		1	Clamp ASM ■
5	3256-23	4	Washer-Flat	13:2	94-3653	1	Bolt
6	33114-016	4	Screw-HH	13:3	94-3654	1	Spring
7	99-3648-03	1	Air Filter Mount ASM	13:4	48-9510	1	Nut
8	2412-92	1	Clamp-Hose	14	100-4810	1	Muffler
9	100-4824	1	Air Cleaner ASM	15	95-8943-03	1	Bracket-Muffler
9:1	285-17	1	Plug-Pipe	16	99-3425-03	1	Guard-Exhaust
9:2	104-0497	1	Cover ASM	17	32144-4	4	Screw-HWH
9:5	104-0498	1	Valve-Vacuator	18	3234-17	3	Screw-HHF
9:6	108-3810	1	Filter-Air ●	19	2412-130	3	Clamp-Hose
9:7	104-4897	1	Gasket ●				

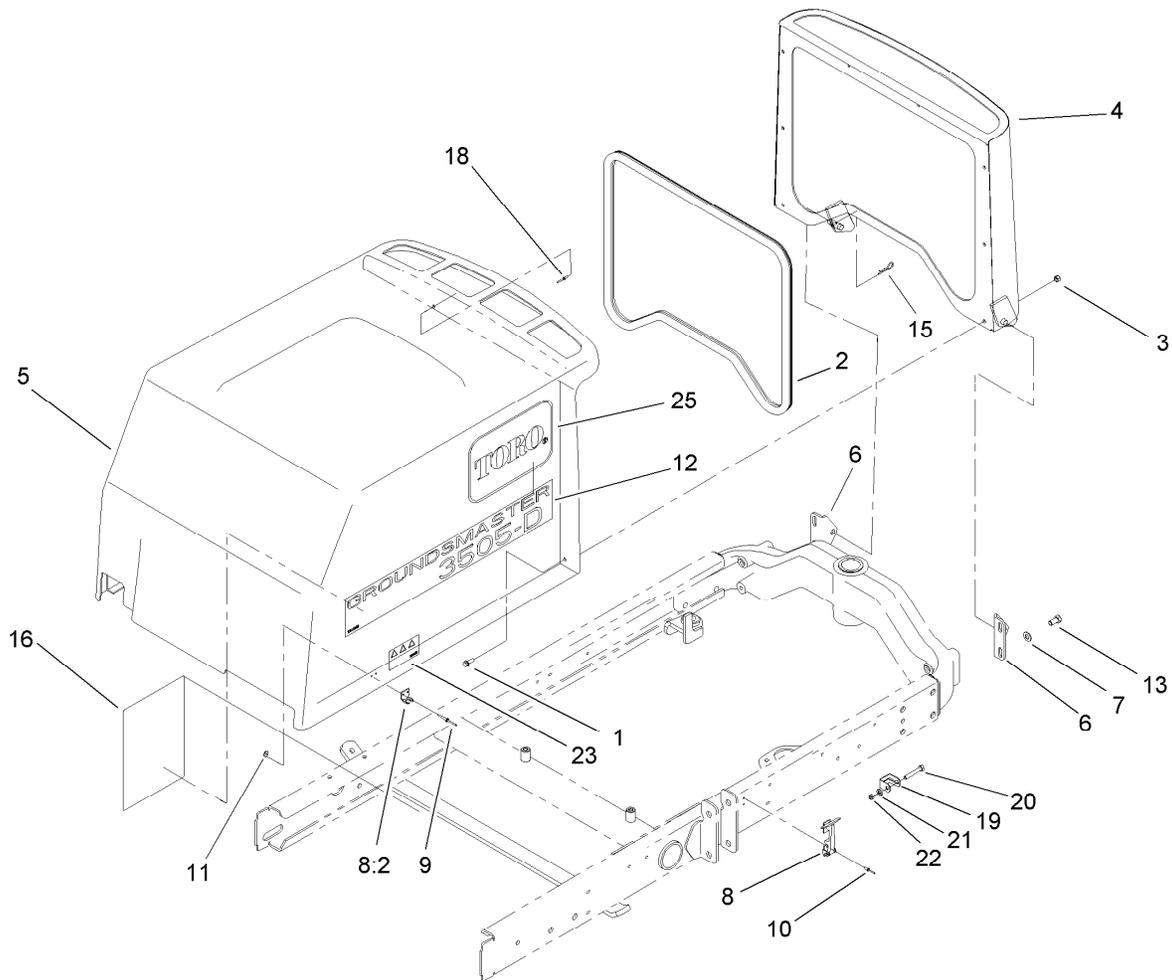
● Not illustrated

■ Not serviced separately



Radiator Assembly

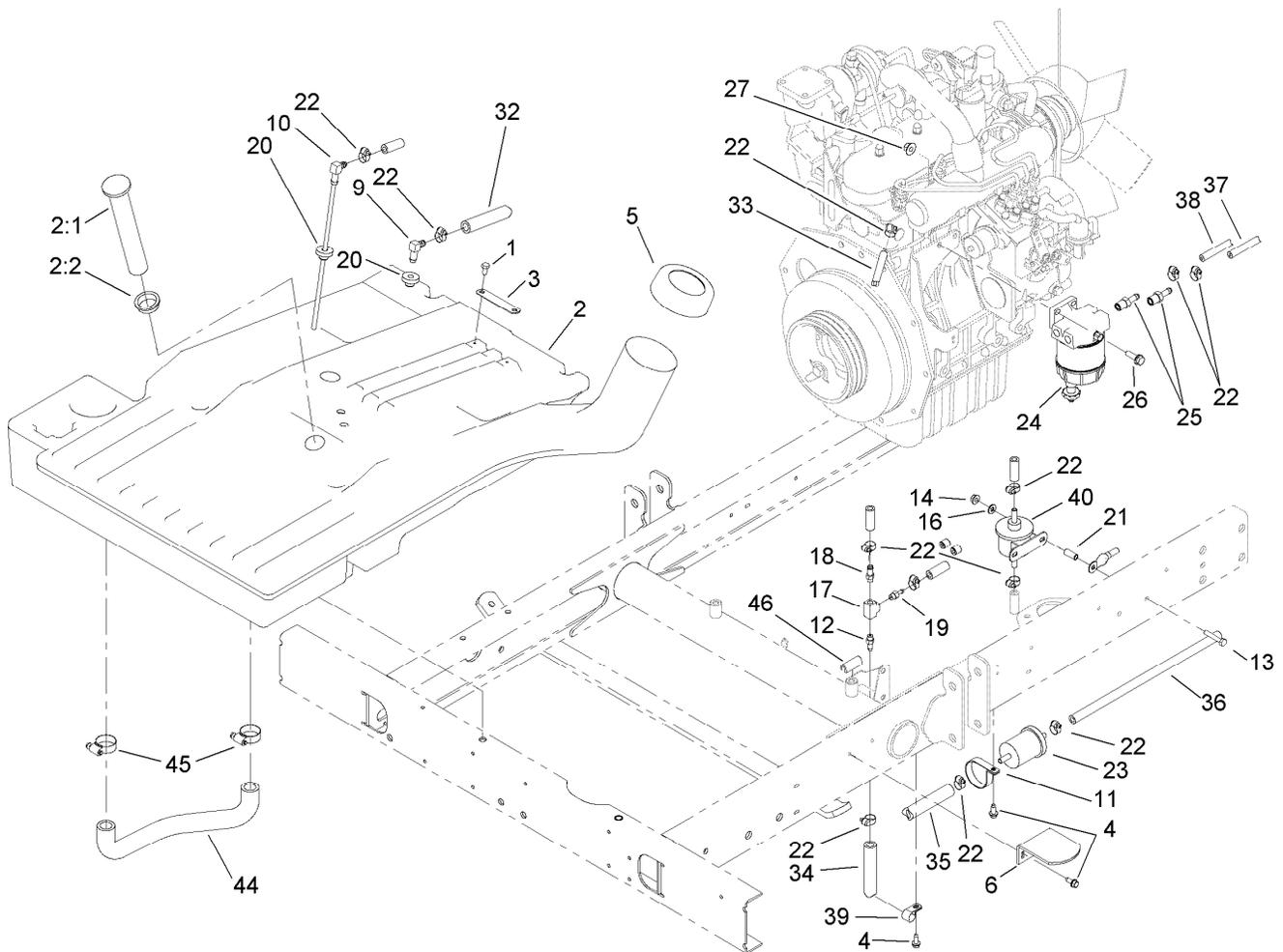
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	304-46	1	Draincock	25	2412-34	2	Clamp-Hose
2	32104-116	11	Screw	26	99-3644	1	Filter Head Tube ASM
3	32128-44	4	Nut	27	100-4925	1	Fitting-Bulkhead
4	3230-1	4	Bolt-CARR	28	99-3646	2	Hose-Cooler, Oil
5	99-3637	1	Radiator	33	99-7435	1	Relay-Power
5:1	93-5957	1	Cap-Radiator	34	32105-13	1	Screw-HWH
6	100-4885-03	1	Shroud-Fan, Top	35	63-9640	1	Hose
7	100-4898-03	1	Shroud-Fan, Bottom	37	100-4924	1	Tube ASM
8	3234-1	4	Screw-HHF	38	32128-17	1	Nut-Lock, Flange
9	92-2379	2	Clamp-Hose	41	93-6681	1	Decal-Warning, Fan
10	104-4855-03	1	Radiator Frame ASM	42	32128-20	2	Nut-HF
11	2412-129	4	Clamp-Hose	43	340-126	1	Nut-Bulkhead
13	3234-5	2	Screw-HHF	44	100-4866	1	Grommet
14	100-4899-03	1	Bracket-Reservoir	45	100-4858	2	Form-Wire
20	95-8702-03	1	Shield-Radiator, Lower	46	100-4859	2	Bracket-Cooler, Keeper
21	99-3497	1	Magnet	47	100-4860	2	Bracket-Clamp
22	100-4869	1	Cooler-Oil	48	322-17	2	Screw-HH
23	104-0454	1	Hose-Radiator, Upper	49	3296-47	2	Nut-Lock, NI
24	100-4809	1	Hose-Radiator, Lower	50	104-9459	2	Seal-Foam



Hood Assembly

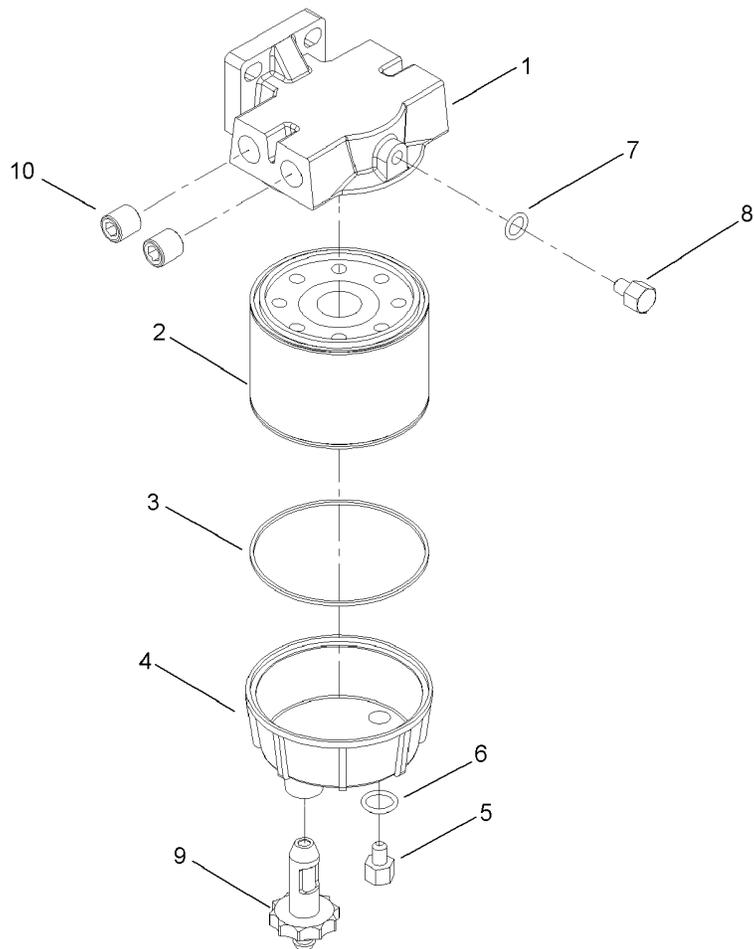
Ref.	Part Number	Qty.	Description
1	3234-4	6	Screw-HHF
2	100-4932	1	Trim-Seal
3	3296-42	6	Nut-Lock, NI
4	104-4853-03	1	Hood Screen ASM
5	100-4855	1	Hood
5:5	106-8115	1	Heat Tape Repair Kit ●
6	95-8728	2	Bracket-Pivot, Hood
7	3256-24	8	Washer-Flat
8	59-9740	2	Flex Draw Latch ASM
8:2	249-40	1	Keeper
9	98-7310	4	Rivet
10	3290-55	4	Rivet-Pop
11	3269-10	4	Washer-Back
12	108-9007	2	Decal-Hood
13	323-6	4	Screw-HH
15	3290-467	1	Pin-Hair
16	107-7800	1	Decal-Service
18	3269-21	2	Rivet-Pop
19	99-3568	1	Bracket-Lock, Ce
20	321-9	1	Screw-HH
21	3256-22	1	Washer-Flat
22	3296-42	1	Nut-Lock, NI
23	106-6754	1	Decal-Danger
25	66-6140	2	Decal

● Not illustrated



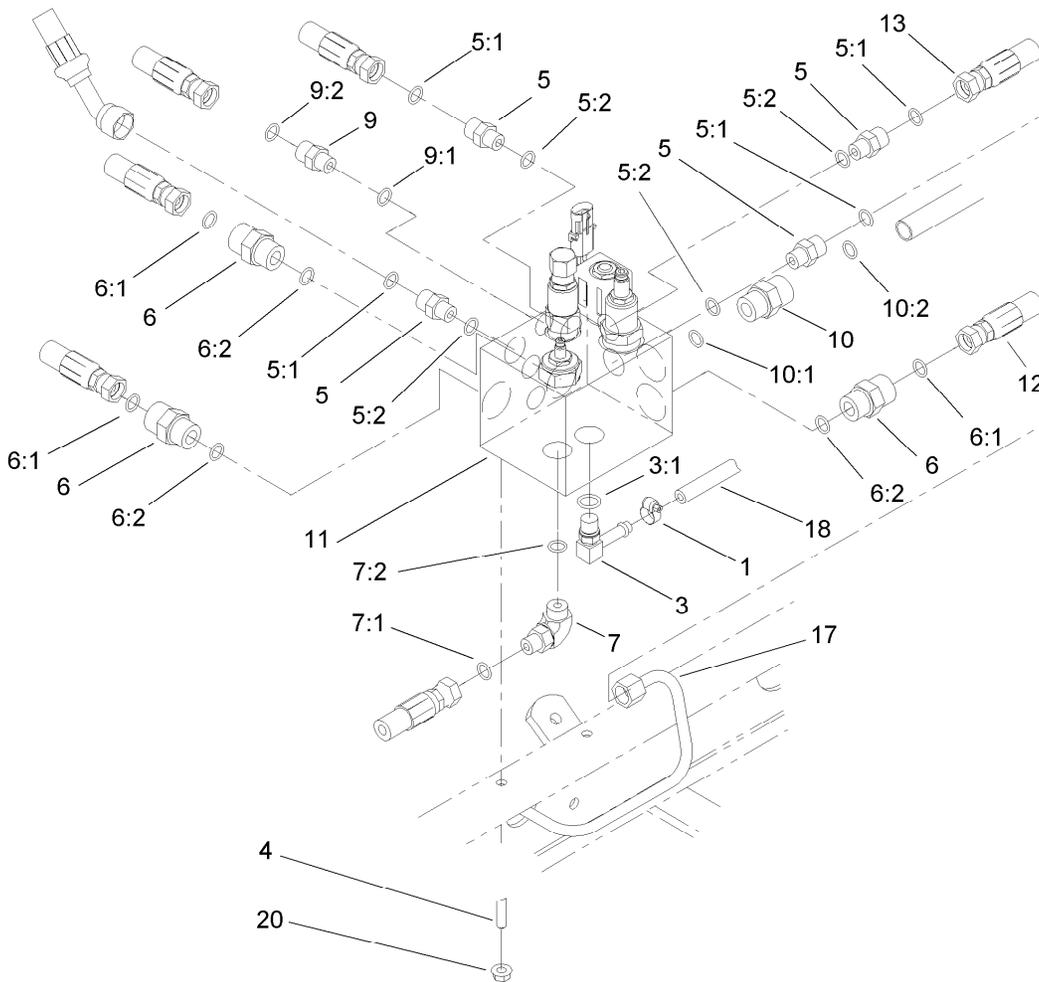
Fuel Tank Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	321-2	2	Screw-HH	21	87-4710	2	Spacer-Brake, Parking
2	105-7865	1	Tank-Fuel	22	2412-108	13	Clamp-Worm
2:1	95-8971	1	Gauge-Fuel	23	98-7612	1	Filter-Fuel
2:2	95-8972	1	Grommet	24	98-9305	1	Water / Fuel Filter ASM
3	95-8881	1	Strap-Line, Fuel	25	353-783	2	Fitting-Straight
4	32144-10	4	Screw-HWH	26	3234-17	2	Screw-HHF
5	95-4193	1	Diesel Fuel Cap ASM	27	32128-44	2	Nut
6	95-8968-03	1	Support-Tank, Fuel	32	110-6187	1	Hose-Fuel
9	46-6550	1	Fitting-Elbow, 90 DEG	33	110-8751	1	Hose-Fuel
10	66-8121	1	Standpipe	34	110-5701	1	Hose-Fuel
11	2412-148	1	Clamp-R	35	110-6186	1	Hose-Fuel
12	304-73	1	Connector-Hose	36	110-4110	1	Hose-Fuel
13	321-9	2	Screw-HH	37	110-8752	1	Hose-Fuel
14	32128-33	2	Nut-HF	38	104-4857	1	Hose-Fuel
16	3256-22	2	Washer-Flat	39	2412-73	1	Clamp-R
17	354-20	1	Fitting-Tee	40	107-0122	1	Pump-Fuel, Electric
18	354-21	1	Fitting-Barb	44	105-4094	1	Hose-Formed
19	354-22	1	Fitting-Barb	45	2412-129	2	Clamp-Hose
20	46-6560	2	Bushing	46	110-8754	1	Trim



Water and Fuel Filter Assembly No. 98-9305

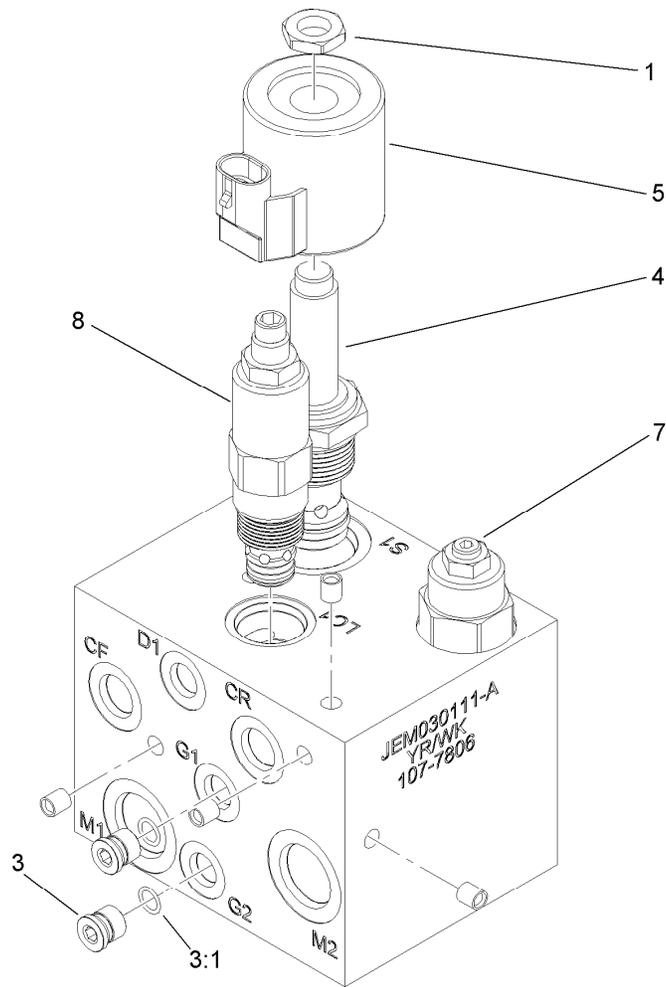
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-9772	1	Head-Filter
2	98-9764	1	Element
3	98-9774	1	O-Ring
4	98-9775	1	Base-Filter
5	98-9773	1	Plug-Base, Filter
6	237-42	1	O-Ring
7	237-78	1	O-Ring
8	98-9776	1	Plug-Head, Filter
9	98-9777	1	Drain Valve ASM
10	285-22	2	Plug-Pipe



Manifold Block Installation Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	2412-36	1	Clamp-Hose
3	100-4887	1	Fitting-Barbed, 90 DEG
3:1	237-42	1	O-Ring
4	104-0430	2	Stud
5	340-2	4	Fitting-HYD, Straight
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	340-7	3	Adapter
6:1	237-65	1	O-Ring
6:2	237-80	1	O-Ring
7	340-77	1	Fitting-HYD, 90 DEG
7:1	237-22	1	O-Ring
7:2	237-42	1	O-Ring

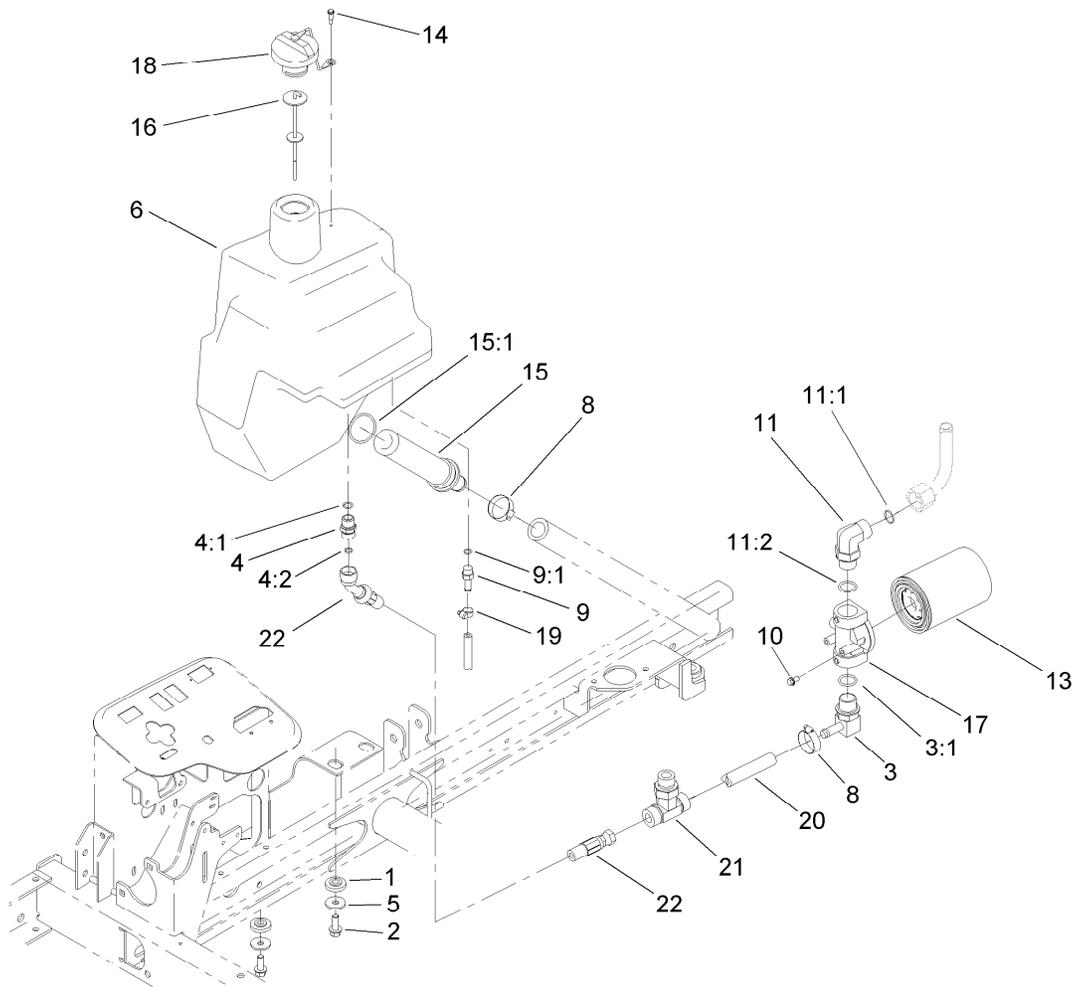
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
9	340-88	1	Adapter
9:1	237-22	1	O-Ring
9:2	237-78	1	O-Ring
10	340-66	1	Fitting-HYD
10:1	237-80	1	O-Ring
10:2	237-58	1	O-Ring
11	107-7806	1	Manifold Block ASM
12	104-0488	1	Hose ASM
13	92-7595	1	Hose ASM
17	108-9005	1	Tube ASM
18	80-7342	1	Hose ASM
20	32128-20	2	Nut-HF



Manifold Block Assembly No. 107-7806

Ref.	Part Number	Qty.	Description
1	107-7812	1	Nut-Solenoid
2	107-7815	1	Seal Kit ●
3	353-512	2	Plug
3:1	237-78	1	O-Ring
4	107-7809	1	Cartridge ASM
5	107-7811	1	Solenoid
6	107-7813	1	Seal Kit ●
7	107-7810	1	Valve-Braking
8	107-7808	1	Cartridge-Logic
9	107-7814	1	Seal Kit ●

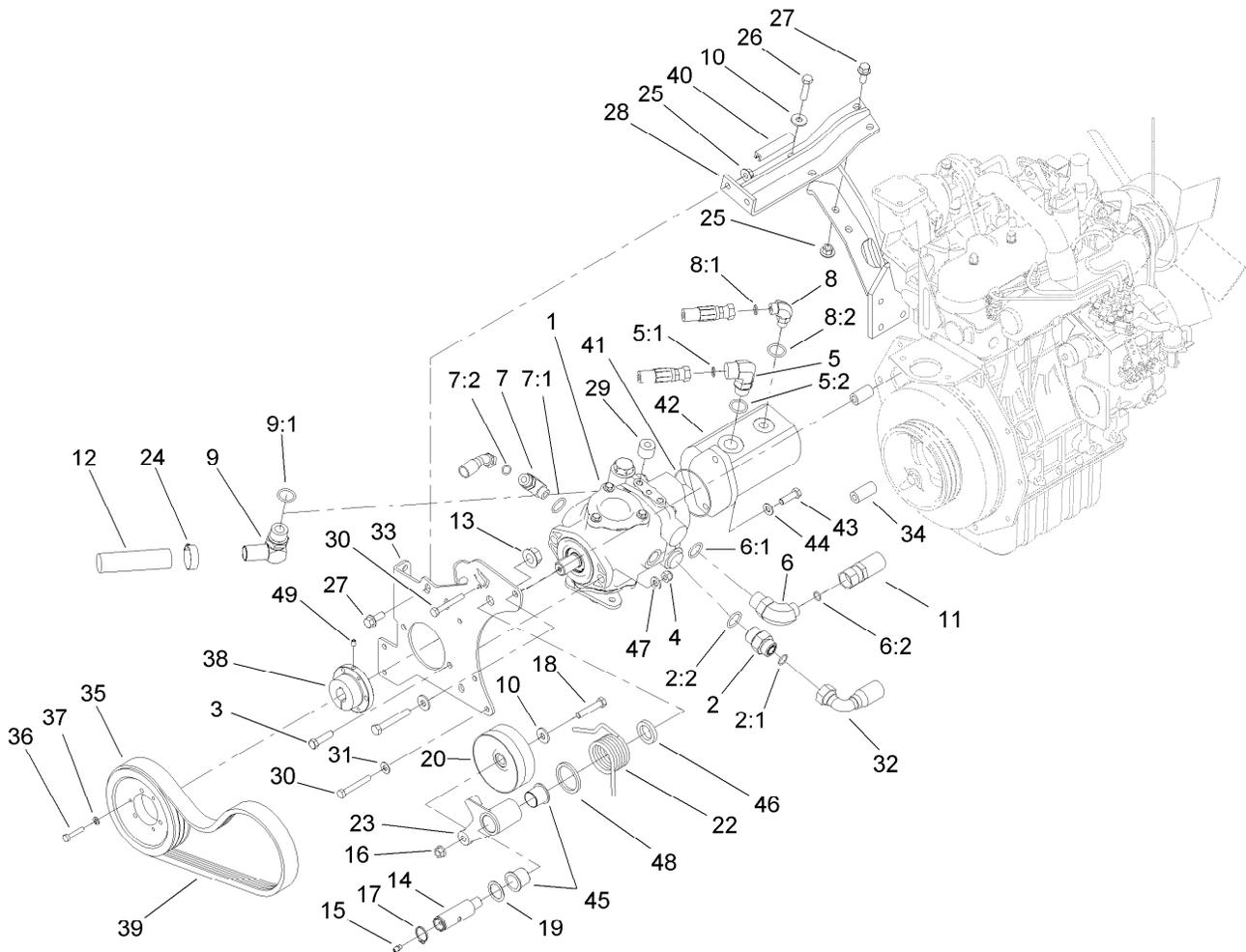
● Not illustrated



Hydraulic Tank Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	240-11	4	Bushing-Flange
2	3234-11	4	Screw-HHF
3	353-987	1	Fitting-HYD, 90
3:1	237-81	1	O-Ring
4	100-4890	1	Fitting-Check
4:1	237-79	1	O-Ring
4:2	237-30	1	O-Ring
5	63-8410	4	Washer
6	104-4840	1	Tank-HYD
8	2412-34	2	Clamp-Hose
9	353-979	1	Fitting-Straight
9:1	237-42	1	O-Ring
10	3234-13	2	Screw-HHF
11	340-142	1	Fitting-HYD, 90 DEG

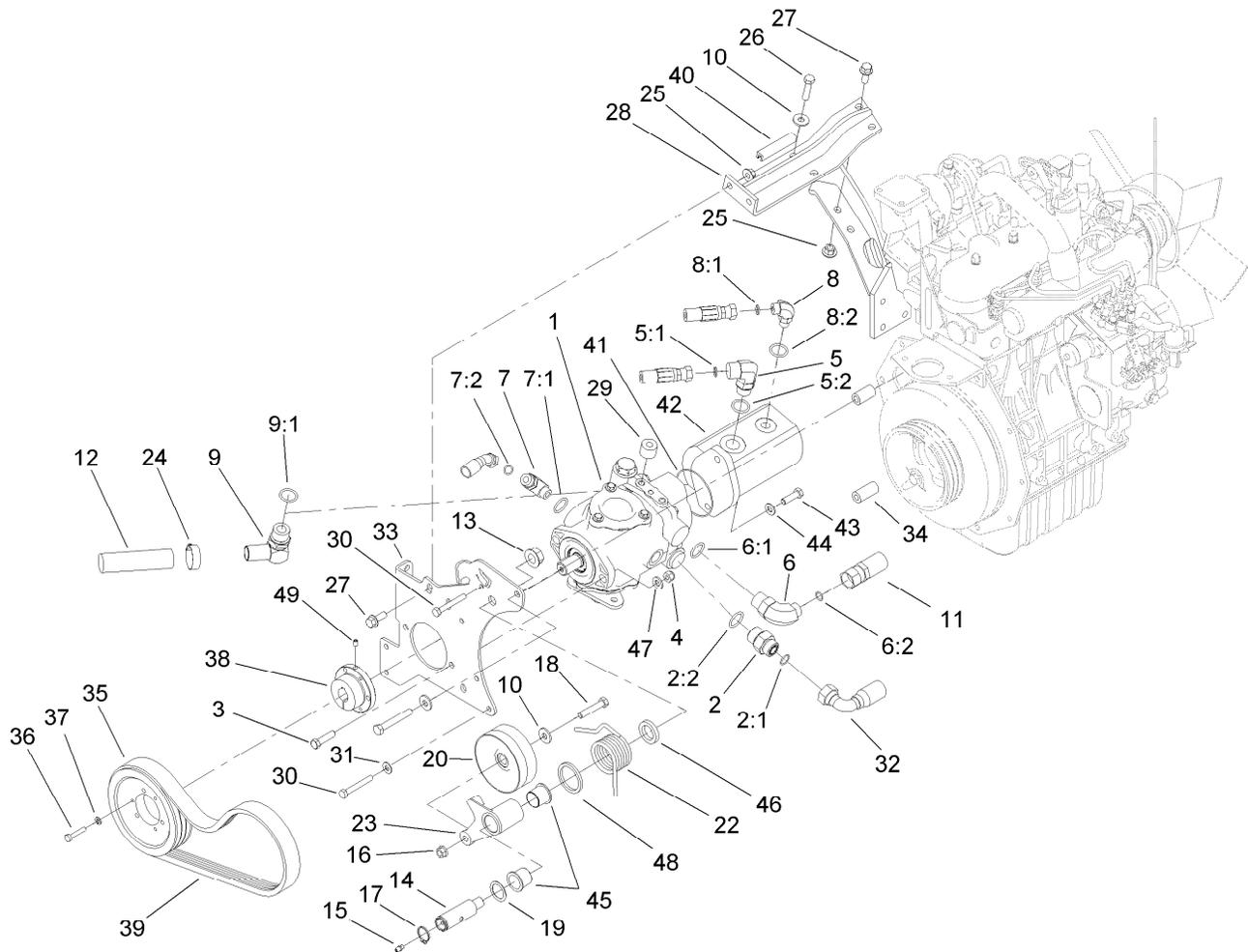
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
11:1	237-58	1	O-Ring
11:2	237-81	1	O-Ring
13	86-3010	1	Filter-Oil
14	57-5420	1	Screw-Shoulder
15	104-7546	1	Strainer-Tank
15:1	340-136	1	O-Ring
16	75-3710	1	Dipstick
17	92-5821	1	Filter Head ASM
18	93-7160	1	Cap-Oil, HYD
19	2412-36	1	Clamp-Hose
20	104-0486	1	Hose ASM
21	104-4836	1	Fitting-Tee
22	104-0487	1	Hose ASM



Hydrostat Assembly

Ref.	Part Number	Qty.	Description
1	104-4890	1	Piston Pump ASM
2	340-8	1	Adapter
2:1	237-65	1	O-Ring
2:2	237-81	1	O-Ring
3	323-8	2	Screw-HH
4	3296-39	2	Nut-Lock, NI
5	340-17	1	Fitting-HYD, 90 DEG
5:1	237-65	1	O-Ring
5:2	237-80	1	O-Ring
6	340-139	1	Fitting-HYD, 90 DEG
6:1	237-81	1	O-Ring
6:2	237-65	1	O-Ring
7	340-18	1	Fitting-HYD, 90 DEG
7:1	237-79	1	O-Ring
7:2	237-22	1	O-Ring
8	340-77	1	Fitting-HYD, 90 DEG
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	95-3502	1	Fitting-Elbow
9:1	237-81	1	O-Ring
10	80-6990	3	Washer-Hardened
11	108-9008	1	Hose ASM
12	104-5486	1	Hose
13	32128-54	1	Nut-HF
14	99-3624	1	Shaft-Pivot, Idler
15	302-5	1	Fitting-Grease
16	32128-21	1	Nut-HF

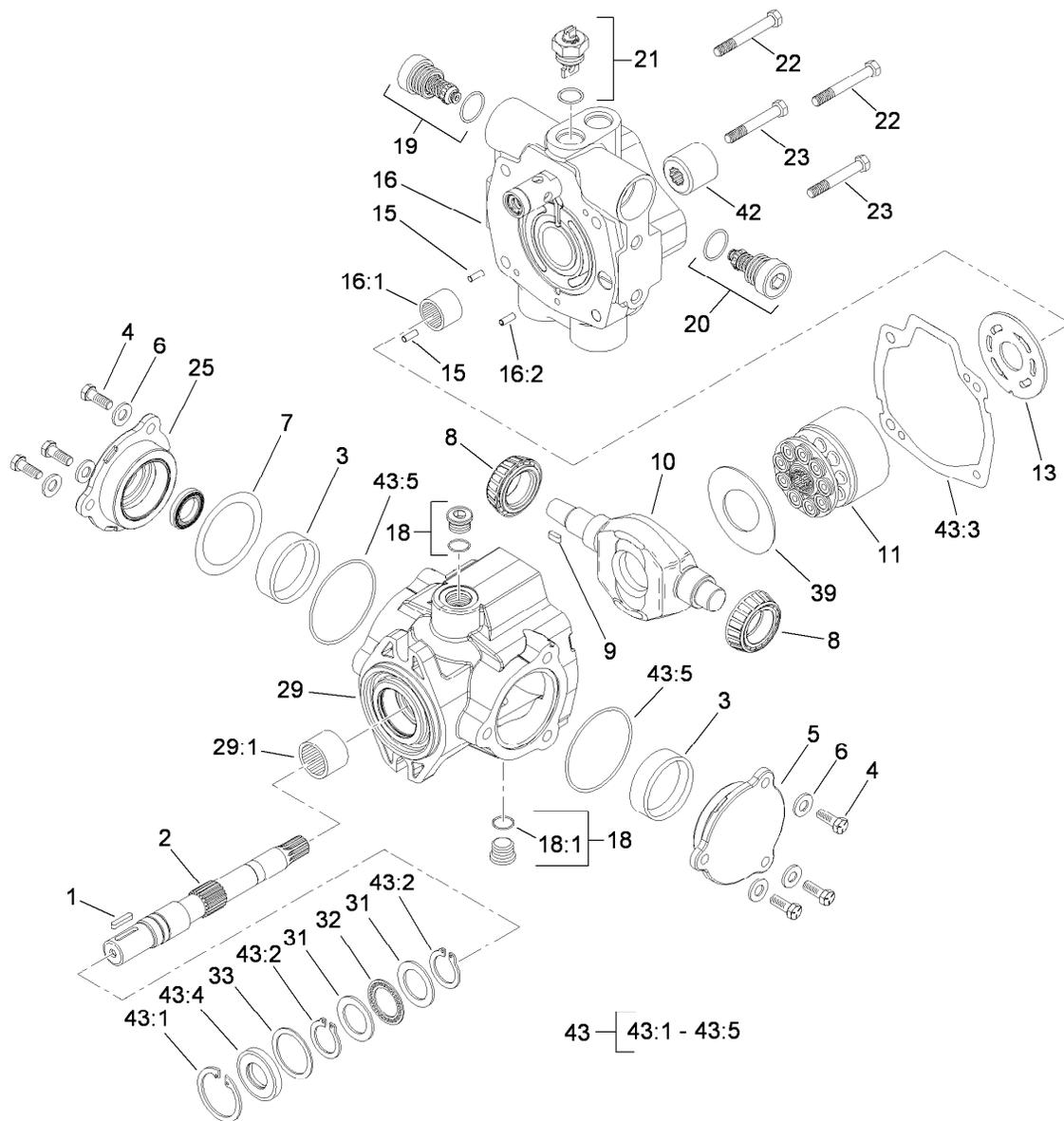
Ref.	Part Number	Qty.	Description
17	32151-36	1	Ring-Retaining
18	323-10	1	Screw-HH
19	74-1810	1	Washer
20	107-7834	1	Pulley-Idler
22	100-4844	1	Spring-Torsion
23	99-3623-03	1	Arm-Idler
24	2412-34	1	Clamp-Hose
25	32128-43	4	Nut-Flange
26	323-19	2	Screw-HH
27	3234-11	4	Screw-HHF
28	99-3436-03	1	Support-Pump
29	99-3440	2	Spacer
30	33114-060	4	Screw-HH
31	87-8640	3	Washer-Flat
32	105-1214	1	Hose ASM
33	95-8933-03	1	Plate-Mount, Pump
34	95-8941	4	Spacer-Mount, Pump
35	99-3620	1	Pulley-3V, Pump
36	321-13	3	Screw-HH
37	3253-3	3	Washer-Lock
38	100-4813	1	Bushing-Lock, Taper
39	99-3619	1	Belt-3V
40	70-2041	1	Trim
41	353-949	1	O-Ring
42	100-1646	1	Gear Pump ASM
43	323-7	2	Screw-HH
44	3256-24	2	Washer-Flat
45	99-3631	2	Bushing-Flange



Hydrostat Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
46	99-3625	1	Spacer-Arm, Idler
47	100-4852	2	Washer-Hardened

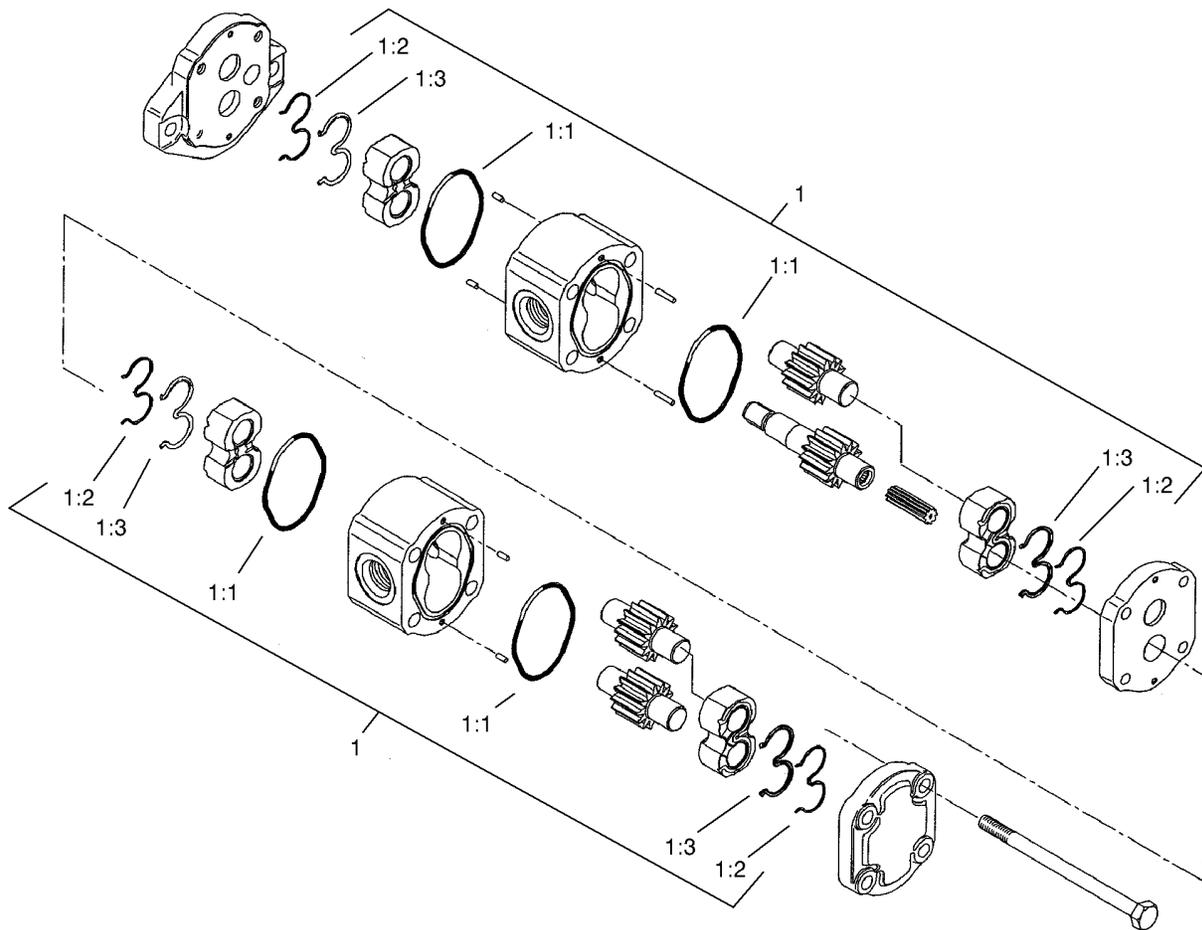
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
48	72-4170	1	Washer
49	3245-41	1	Screw-HSH



Piston Pump Assembly No. 104-4890

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	94-3645	1	Key	20	105-3812	1	Valve-Check
2	94-6359	1	Shaft-Drive	21	105-3811	1	Valve-Bypass
3	104-4046	2	Bearing-Cup	22	76-6170	2	Capscrew
4	98-4640	6	Screw-Cap	23	76-6160	2	Capscrew
5	98-4644	1	Plate-Cover	25	98-4645	1	Plate-Cover
6	105-9762	6	Washer	29	100-3176	1	Housing ASM
7	100-3182	2	Shim Kit	29:1	94-6363	1	Bearing
8	98-4639	2	Bearing-Cone	31	252-71	2	Washer-Thrust
9	94-3646	1	Key	32	252-66	1	Bearing-Thrust
10	104-4888	1	Swashplate	33	33-3720	1	Washer
11	76-6070	1	Rotating Kit	39	98-4635	1	Insert-Plate, Cam
13	104-0429	1	Plate-Valve	42	74-9040	1	Coupler
15	76-6150	2	Pin-Dowel	43	104-4868	1	Seal Repair Kit
16	105-3813	1	Endcover Sub ASM	43:1	32151-13	1	Ring-Retaining
16:1	94-6368	1	Bearing	43:2	32151-29	1	Ring-Retaining
16:2		1	Pin-Roll ●	43:3	33-4930	1	Gasket-Housing
18	74-9280	2	Plug ASM	43:4	104-4861	1	Seal-Shaft
18:1		1	O-Ring ●	43:5	100-3179	1	O-Ring
19	104-4889	1	Relief Valve ASM				

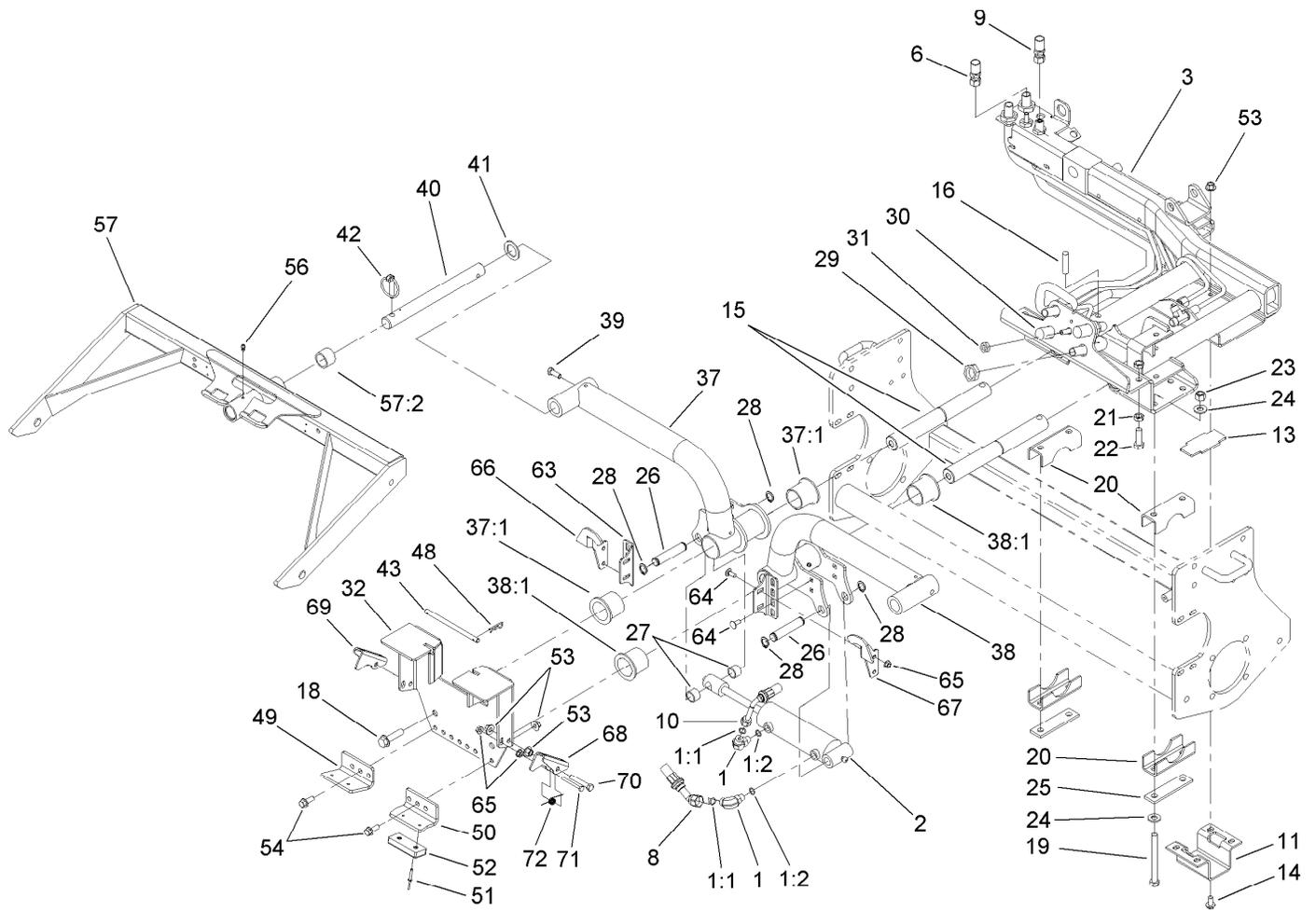
● Not serviced separately



Gear Pump Assembly No. 100-1646

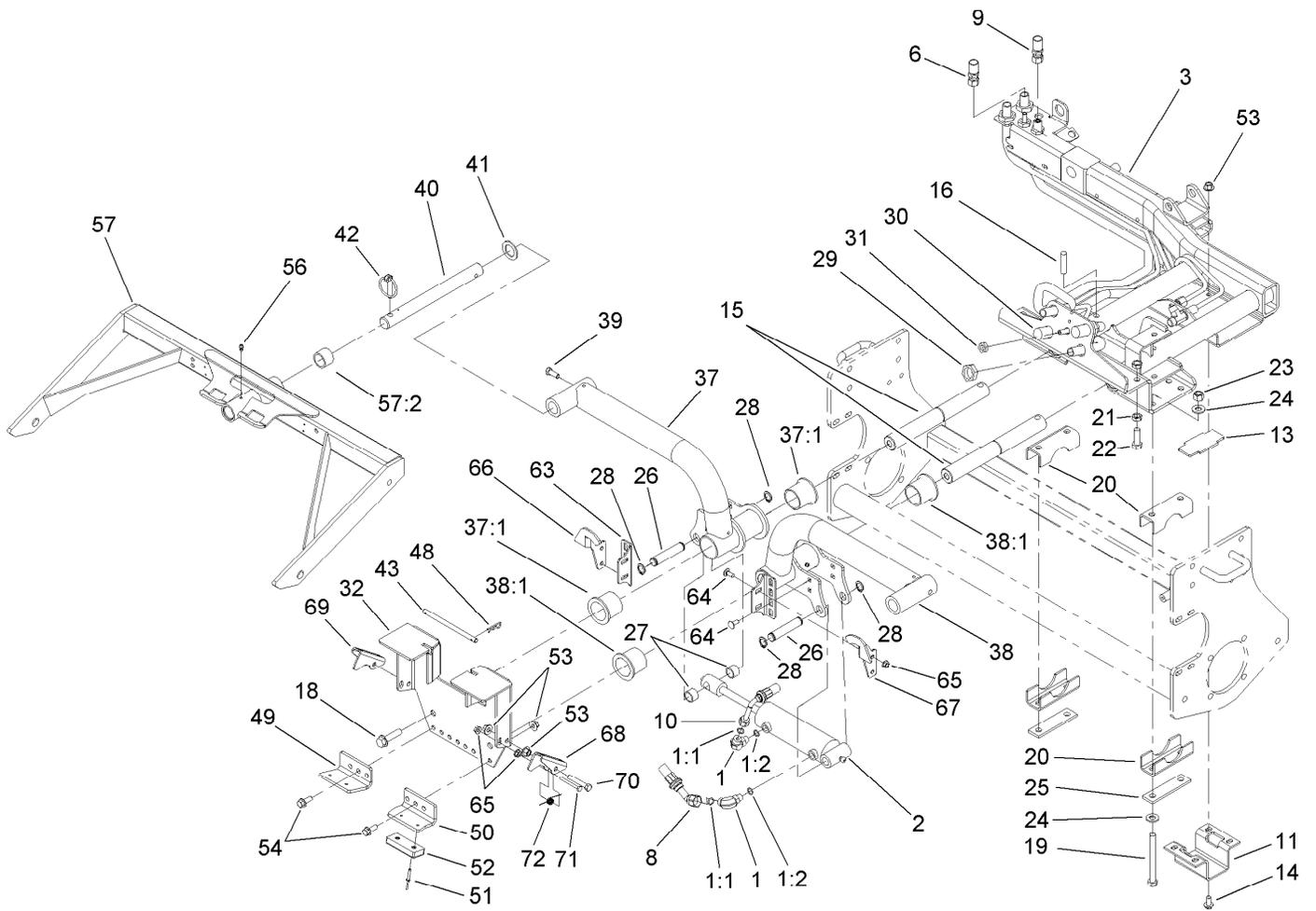
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-4226	1	Seal Kit
1:1		4	Seal-Dust ●
1:2		4	E-Seal ●
1:3		4	Seal-Backup ●

● Not serviced separately



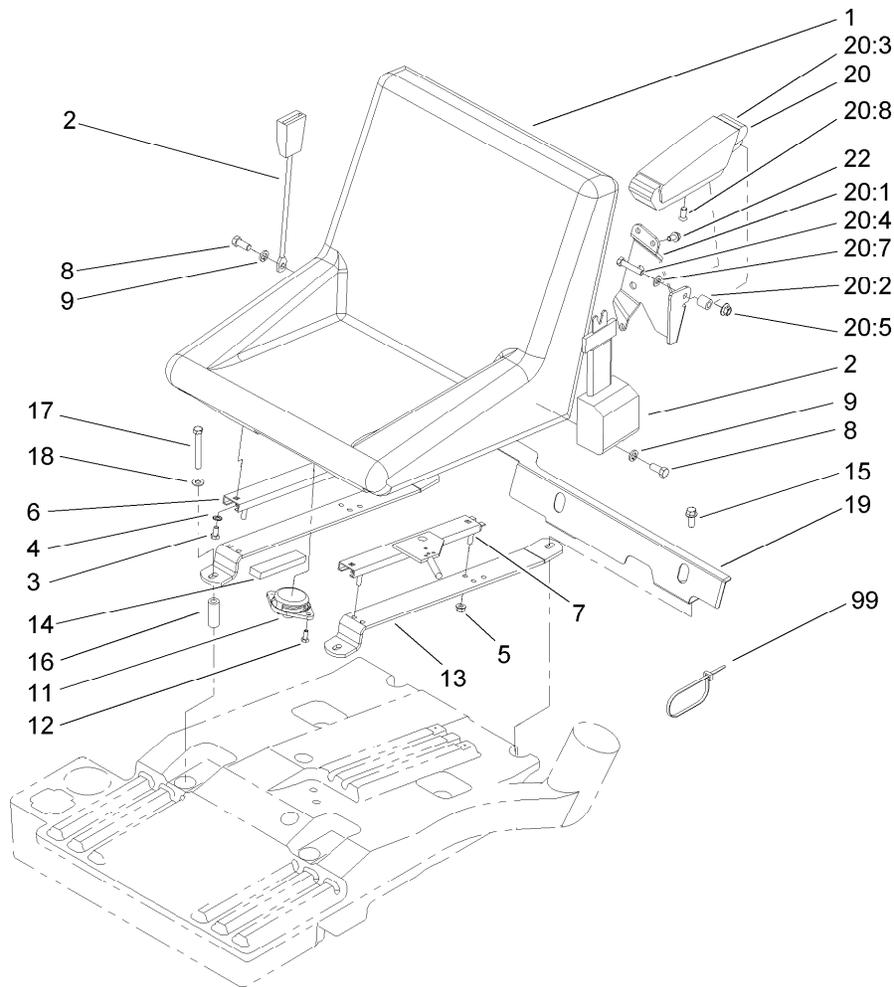
Carrier Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	340-77	2	Fitting-HYD, 90 DEG	32	104-4820-03	1	Bracket-Stop, Carrier
1:1	237-22	1	O-Ring	37	95-8553	1	RH Short Lift Arm ASM
1:2	237-42	1	O-Ring	37:1	69-6470	2	Bushing-Castor
2	108-9033	1	HYD Cylinder ASM	38	95-8554	1	LH Short Lift Arm ASM
3	100-4939-03	1	Sidewinder Carrier ASM	38:1	69-6470	2	Bushing-Castor
6	99-3575	1	Hose ASM	39	323-6	2	Screw-HH
8	104-0405	1	Hose ASM	40	95-8979	2	Shaft
9	108-9013	1	Hose ASM	41	3-6781	2	Washer-Thrust
10	104-0406	1	Hose ASM	42	283-71	2	Pin-Lynch
11	95-8904-03	1	Bracket-Clamp	43	104-0472	1	Rod
13	95-8538	1	Slide-Plastic	48	3290-467	2	Pin-Hair
14	3234-1	4	Screw-HHF	49	104-4639-03	1	Stop-Deck, LH
15	95-8531	2	Shaft-Pivot, Liftarm	50	104-4640-03	1	Stop-Deck, RH
16	32121-122	2	Pin-Roll	51	3269-11	4	Rivet-Pop
18	3234-27	2	Screw-HHF	52	86-5350	2	Bumper-Rubber
19	325-19	4	Screw-HH	53	32128-43	12	Nut-Flange
20	95-8884	4	Clamp	54	3234-11	4	Screw-HHF
21	3218-5	4	Nut-Jam	56	302-5	2	Fitting-Grease
22	325-6	2	Screw-HH	57	106-4198	2	Front Carrier Frame ASM
23	3296-23	4	Nut-Lock, NI	57:2	108-4000	2	Bushing
24	87-7270	8	Washer-Thrust	63	104-4828-03	2	Bracket-Actuator
25	99-3373	2	Bar-Support, Slide	64	3230-23	8	Screw-CARR
26	95-8575	2	Pin	65	32128-44	12	Nut
27	75-9590	2	Spacer-Cylinder	66	104-4826-03	1	Actuator-RH
28	32120-93	4	Ring-Retaining	67	104-4827-03	1	Actuator-LH
29	340-74	4	Nut-Lock, Bulkhead	68	104-4819-03	1	Bracket-Pivot, LH
30	99-3640	1	Tube ASM	69	104-4825-03	1	Bracket-Pivot, RH
31	340-78	1	Nut-Lock, Bulkhead	70	323-11	2	Screw-HH



Carrier Assembly (continued)

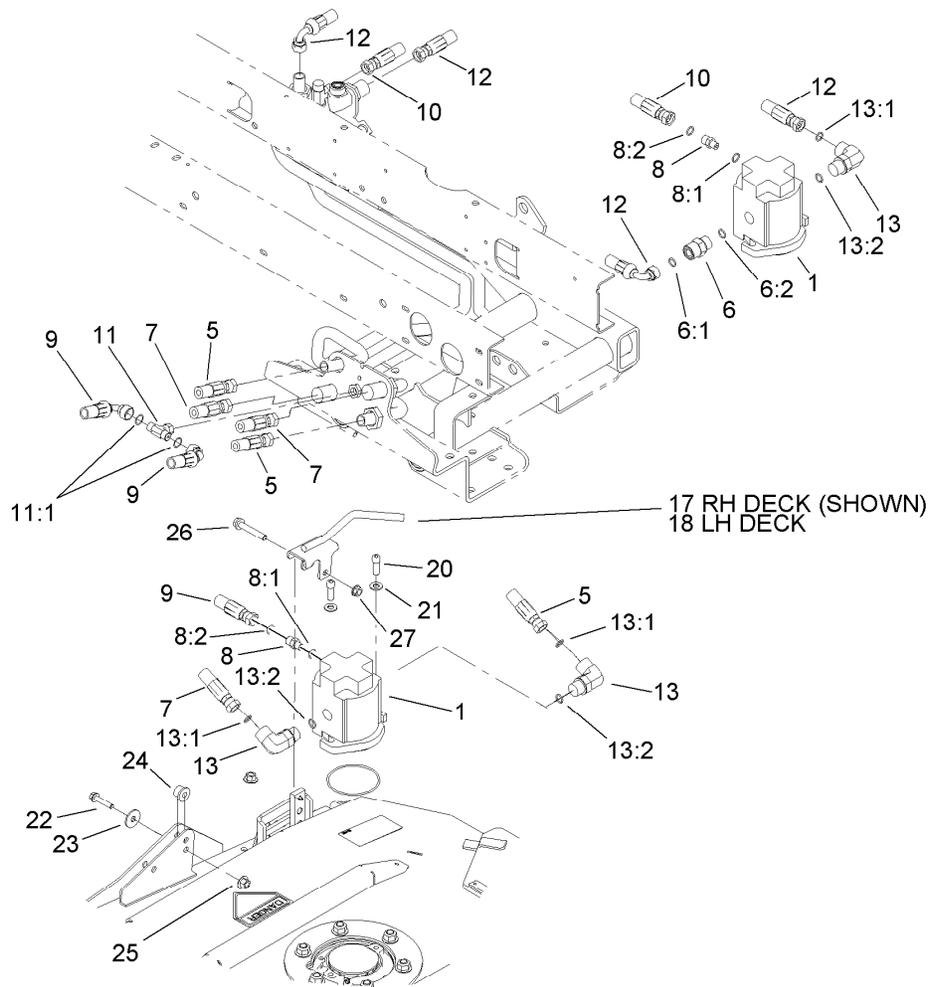
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
71	322-11	2	Screw-HH
72	104-4821	2	Spring-Torsion



Seat Mounting Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-4620	1	Seat	20	92-7307	1	LH Armrest ASM
2	100-4928	1	Belt-Seat	20:1	69-0760	1	Bracket-Arm, LH
3	322-2	4	Screw-HH	20:2	92-7301	1	Spacer
4	3255-8	4	Washer-Lock	20:3	69-1180	1	Armrest
5	32128-25	4	Nut-HF	20:4	323-9	1	Screw-HH
6	92-8990	1	Adjuster-Slave	20:5	32128-19	1	Nut-HF
7	92-8991	1	Adjuster ASM (W/Latch)	20:7	3256-24	1	Washer-Flat
8	3212-4	2	Screw-HH	20:8	92-7318	1	Screw
9	3253-6	2	Washer-Lock	21	92-7306	1	RH Armrest ASM ●
11	92-6282	1	Switch-Seat	21:1	69-0770	1	Bracket-Arm, RH ●
12	32144-10	2	Screw-HWH	21:2	92-7301	1	Spacer ●
13	104-0467-03	2	Strap-Support, Seat	21:3	69-1180	1	Armrest ●
14	95-8896	2	Foam	21:4	323-9	1	Screw-HH ●
15	3234-11	2	Screw-HHF	21:5	32128-19	1	Nut-HF ●
16	104-0466	2	Spacer-Tube	21:7	3256-24	1	Washer-Flat ●
17	323-14	2	Screw-HH	21:8	92-7318	1	Screw ●
18	3256-24	2	Washer-Flat	22	3234-14	6	Screw-HHF
19	104-4833-03	1	Shield-Heat	99	3290-378	1	Tie-Cable

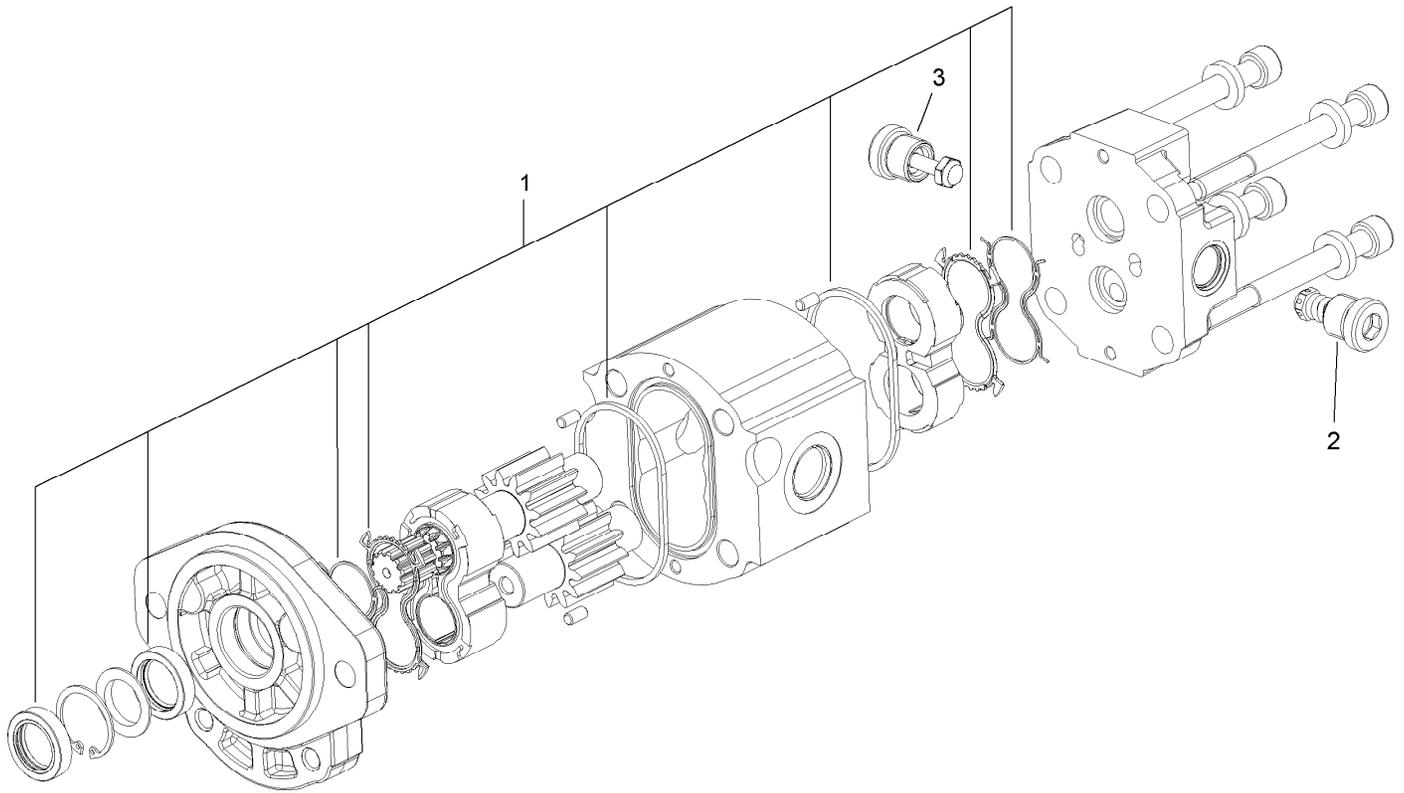
● Not illustrated



Rotary Motor Assembly

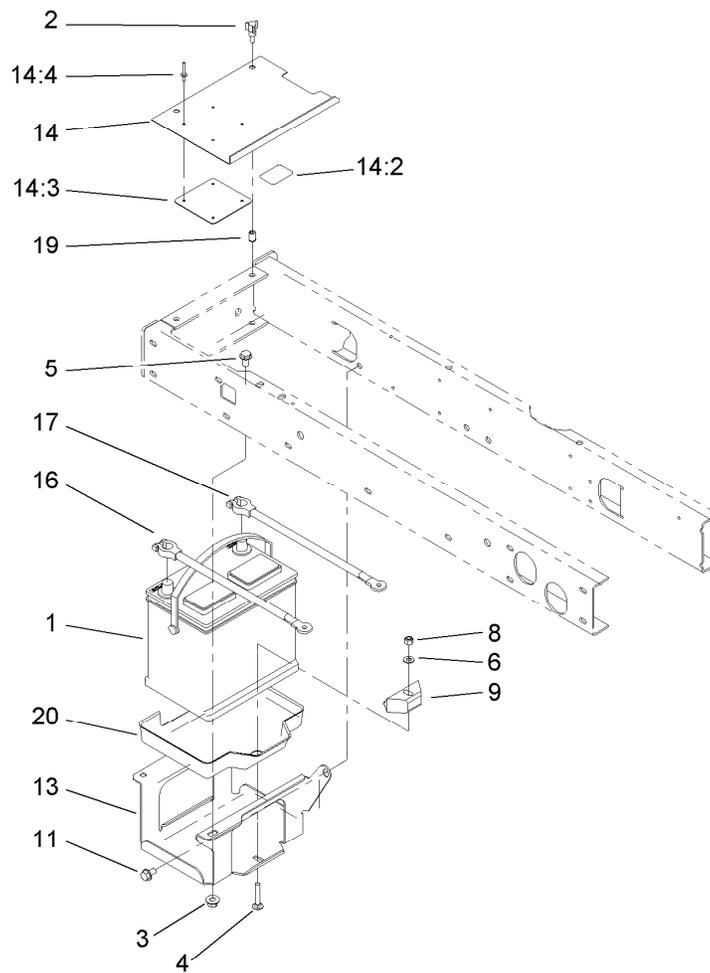
Ref.	Part Number	Qty.	Description
1	105-9872	3	HYD Motor ASM
5	105-1216	2	Hose ASM
6	340-7	1	Adapter
6:1	237-65	1	O-Ring
6:2	237-80	1	O-Ring
7	105-1215	2	Hose ASM
8	340-92	3	Fitting-HYD, Straight
8:1	237-78	1	O-Ring
8:2	237-21	1	O-Ring
9	104-1080	2	Hose ASM
10	100-4876	1	Hose ASM
11	99-3477	1	Fitting-Tee
11:1	237-42	2	O-Ring
12	100-4880	2	Hose ASM

Ref.	Part Number	Qty.	Description
13	340-17	5	Fitting-HYD, 90 DEG
13:1	237-65	1	O-Ring
13:2	237-80	1	O-Ring
17	108-9028-03	2	RH Foot Guard ASM
18	108-9029-03	2	LH Foot Guard ASM
20	3274-7	6	Screw-HSH
21	3256-24	6	Washer-Flat
22	3234-18	6	Screw-HHF
23	93-8806	6	Washer-Hardened
24	95-8803	6	Bushing-Flange
25	32128-43	6	Nut-Flange
26	100-2592	4	Screw-HHF
27	3290-357	4	Nut-HHF, Whiz



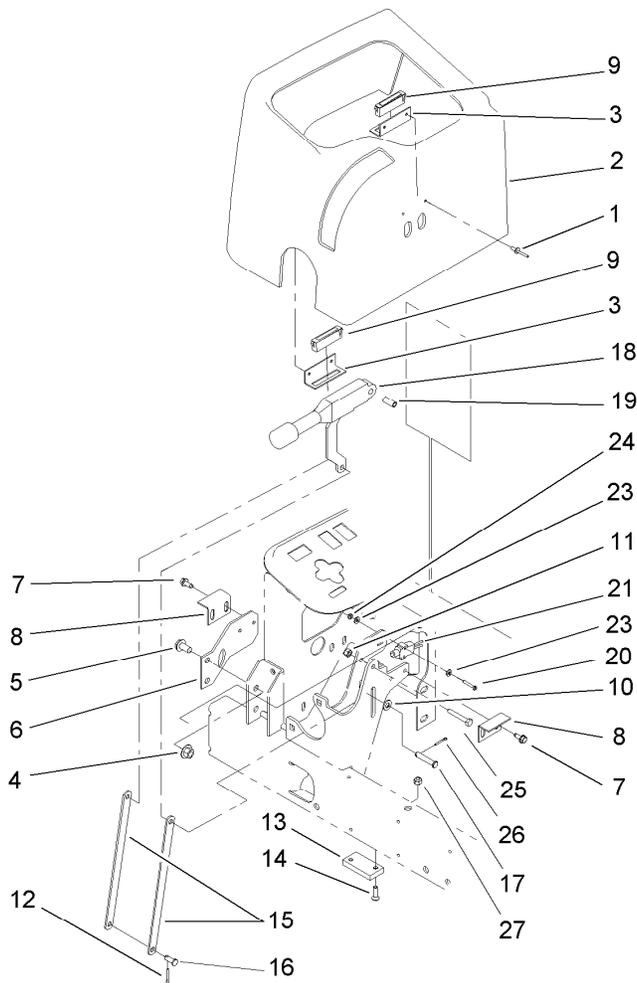
Hydraulic Motor Assembly No. 105-9872

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	107-7819	1	Seal Kit
2	107-7820	1	Valve-Relief
3	107-7821	1	Valve-Anticavitation



Battery Assembly

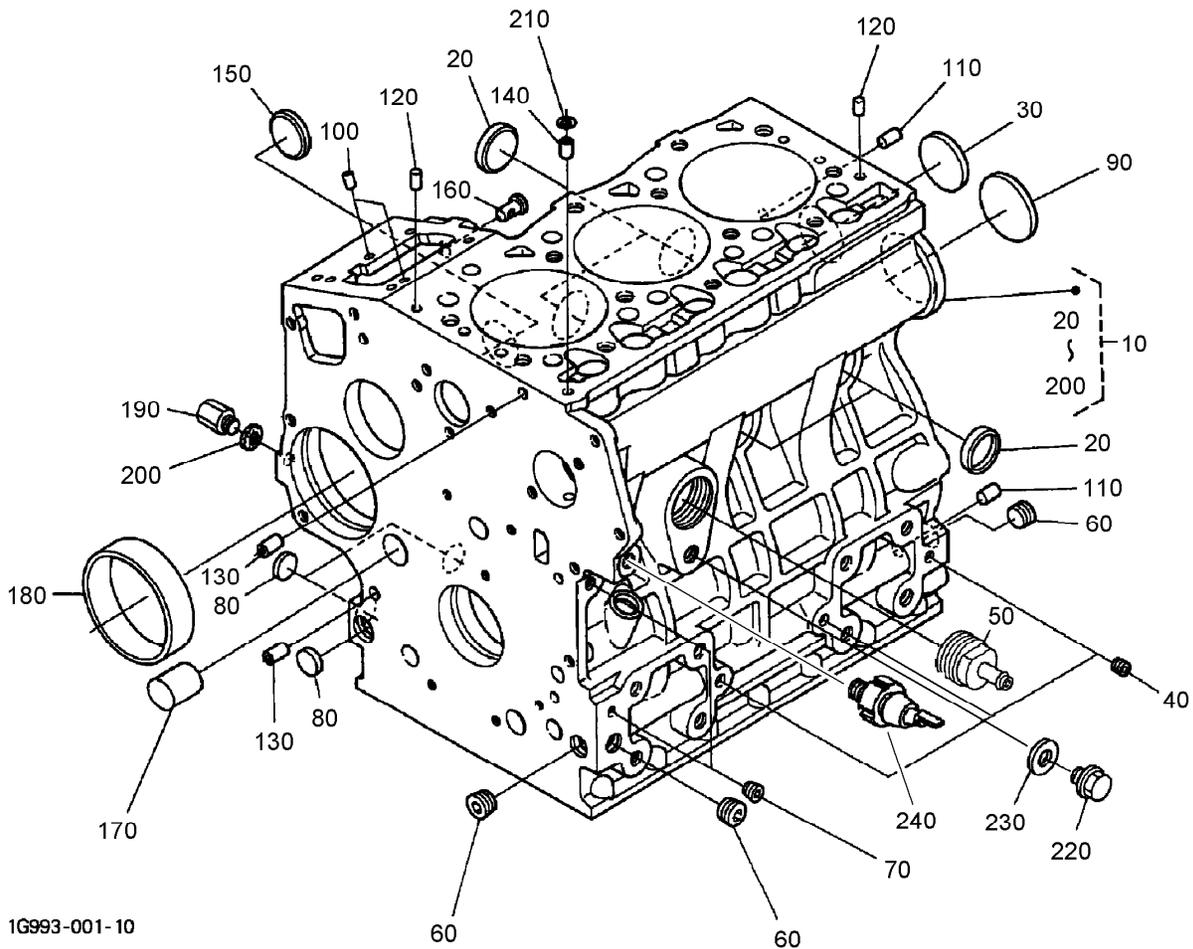
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-9979	1	Battery
2	233-70	2	Knob-Star, Three
3	32128-43	3	Nut-Flange
4	3230-6	1	Screw-CARR
5	3234-1	3	Screw-HHF
6	3256-23	1	Washer-Flat
8	3296-29	1	Nut-Lock, NI
9	66-2490	1	Nut-Lock, NI
11	32144-15	1	Screw-HHFTF
13	95-8796-03	1	Support-Battery
14	99-3602	1	Battery Cover ASM
14:2	93-7276	1	Decal-Danger
14:3	87-7620	1	Shield-Terminal, Battery
14:4	3269-27	4	Rivet-Snap
16	95-8853	1	Cable-Battery, Positive
17	95-8854	1	Cable-Battery, Negative
19	32148-6	2	Insert-Nut
20	99-3513	1	Tray-Battery



Parking Brake Assembly

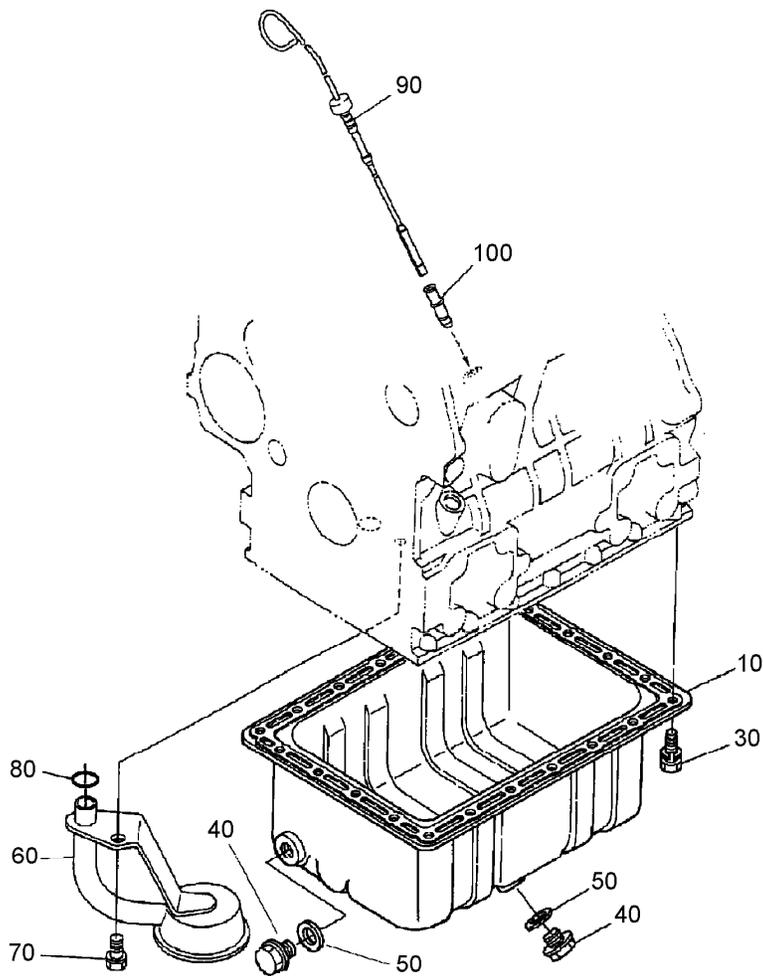
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3269-5	4	Rivet-Pop
2	95-8707	1	Cover-Dash
3	95-8763	2	Bracket-Hold Down, Cover
4	32128-43	2	Nut-Flange
5	3234-1	2	Screw-HHF
6	95-8764-03	1	Support-Magnet
7	32144-10	4	Screw-HWH
8	95-8765	2	Bracket-Strike, Magnet
9	58-4250	2	Catch-Magnetic
10	3256-23	1	Washer-Flat
11	3296-42	1	Nut-Lock, NI
12	3272-10	1	Pin-Cotter
13	95-8684	1	Pad-Bumper

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
14	3289-4	2	Screw-FH
15	104-4628-03	2	Link-Brake, Parking
16	283-62	1	Pin-Clevis
17	94-3829	1	Pin-Clevis
18	104-4817	1	Lever-Brake
19	87-4710	1	Spacer-Brake, Parking
20	32105-9	2	Screw
21	95-8900	1	Switch
23	3256-21	4	Washer-Flat
24	3296-9	2	Nut-Lock
25	321-10	1	Screw-HH
26	3272-6	1	Pin-Cotter
27	32128-32	2	Nut-HHF



Crankcase Assembly

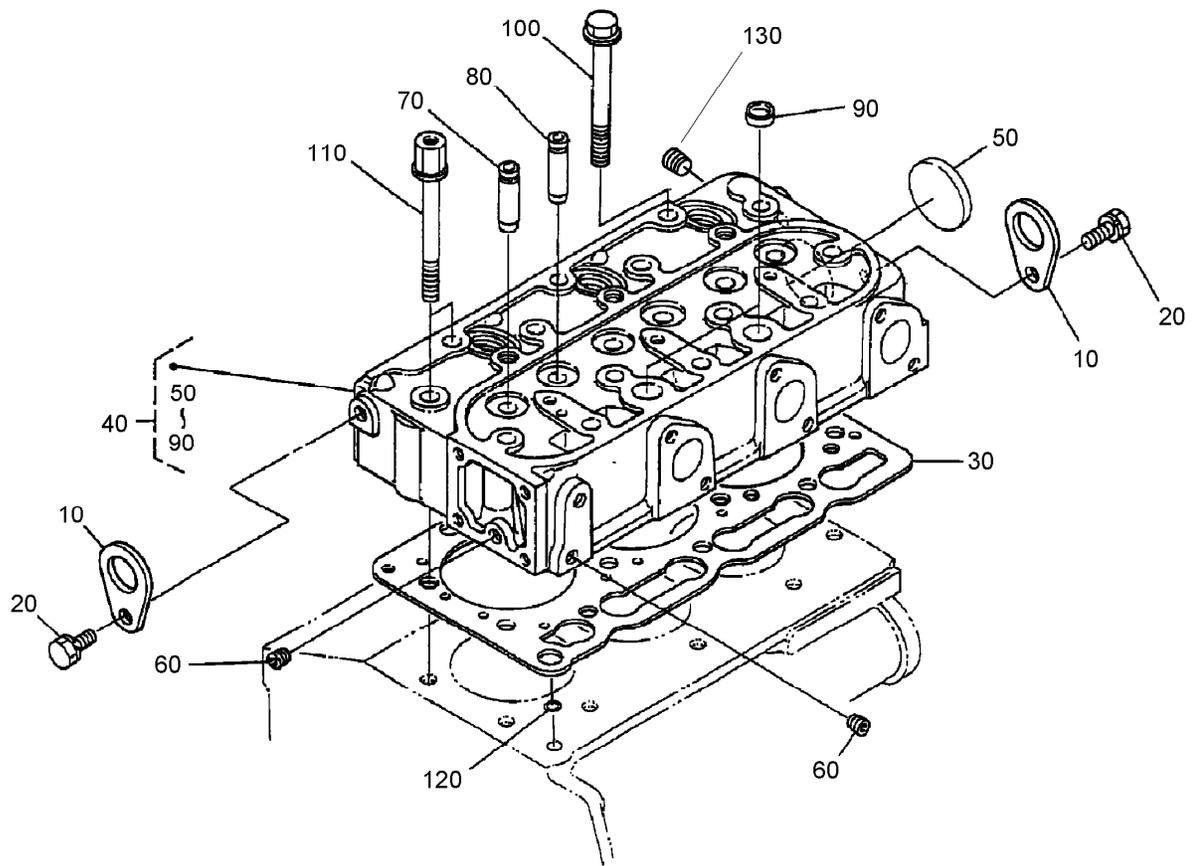
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	107-7824	1	Crankcase ASM
20	98-9398	4	Cap-Sealing
30	98-7539	1	Cap-Sealing
40	98-7540	3	Plug
50	99-8347	1	Joint-Pipe, Drain
60	98-9597	3	Plug
70	98-7487	2	Plug
80	98-7489	3	Plug
90	98-9668	1	Plug-Expansion
100	98-9375	2	Pin-Straight
110	98-9377	2	Pin-Straight
120	105-3795	2	Pin-Straight
130	98-9387	2	Pin-Pipe
140	98-9539	1	Pin-Pipe
150	98-9599	1	Plug
160	98-9630	1	Pin-Spring, Start
170	98-9675	1	Plug
180	98-9656	1	Bushing-Governor, Gear
190	98-7507	1	Plug
200	98-7428	1	Gasket
210	98-7509	1	O-Ring
220	99-3447	1	Plug
230	106-7056	1	Gasket
240	98-9416	1	Switch-Oil



Dipstick and Oil Pan Assembly

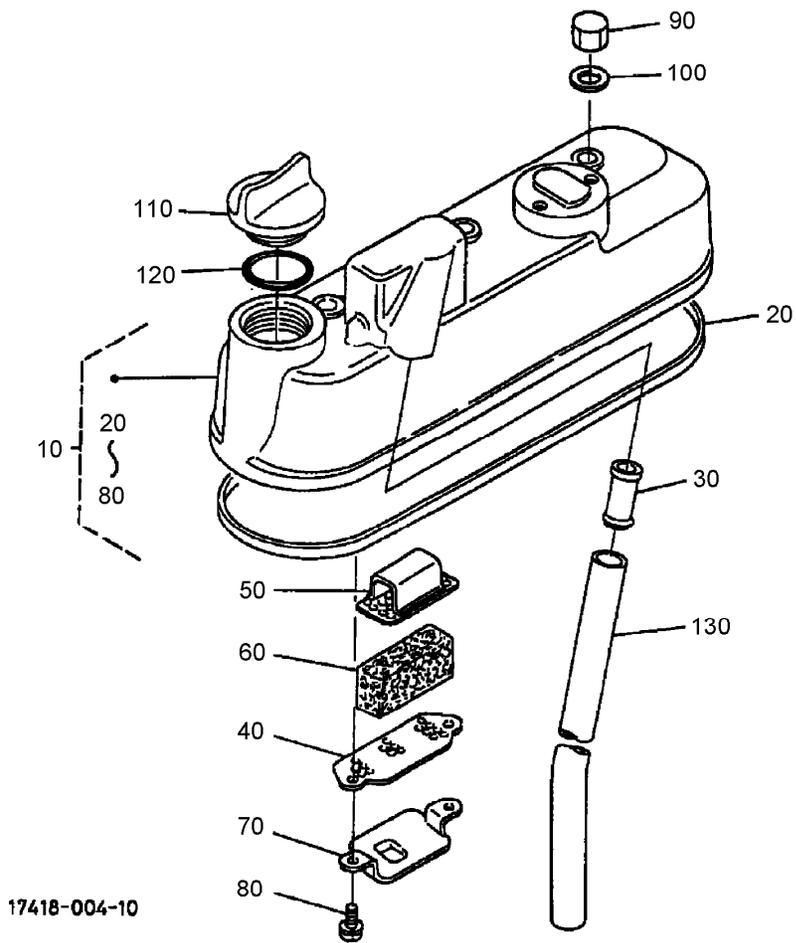
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9685	1	Pan-Oil
30	107-9065	22	Bolt
40	98-9386	2	Plug
50	98-7524	2	Gasket
60	108-1401	1	Base-Filter
70	98-7526	1	Bolt
80	105-3776	1	O-Ring
90	107-9076	1	Gauge-Oil
100	105-3713	1	Guide-Gauge, Oil

● Not illustrated



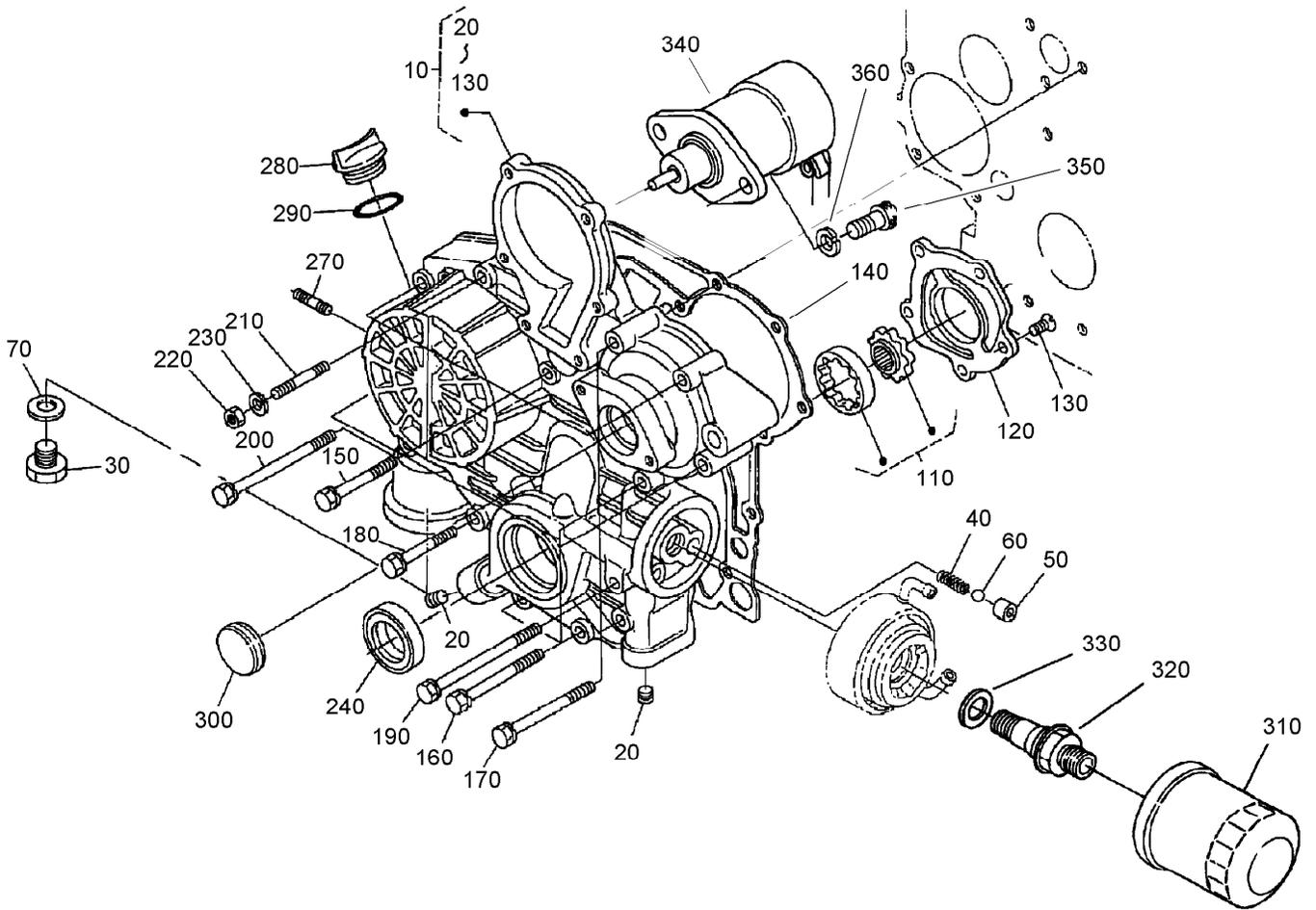
Cylinder Head Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-7531	2	Hook-Engine
20	100-9195	2	Bolt
30	105-3780	1	Gasket-Head, Cylinder
40	107-7823	1	Cylinder Head ASM
50	98-9395	1	Cap-Sealing
60	98-7540	2	Plug
70	107-9066	3	Guide-Valve, Inlet
80	107-9067	3	Guide-Valve, Exhaust
90	98-9389	2	Cap-Sealing
100	98-9479	12	Bolt-Head, Cylinder
110	98-9647	2	Bolt-Head, Cylinder
120	98-7509	1	O-Ring
130	98-9444	1	Plug



Head Cover Assembly

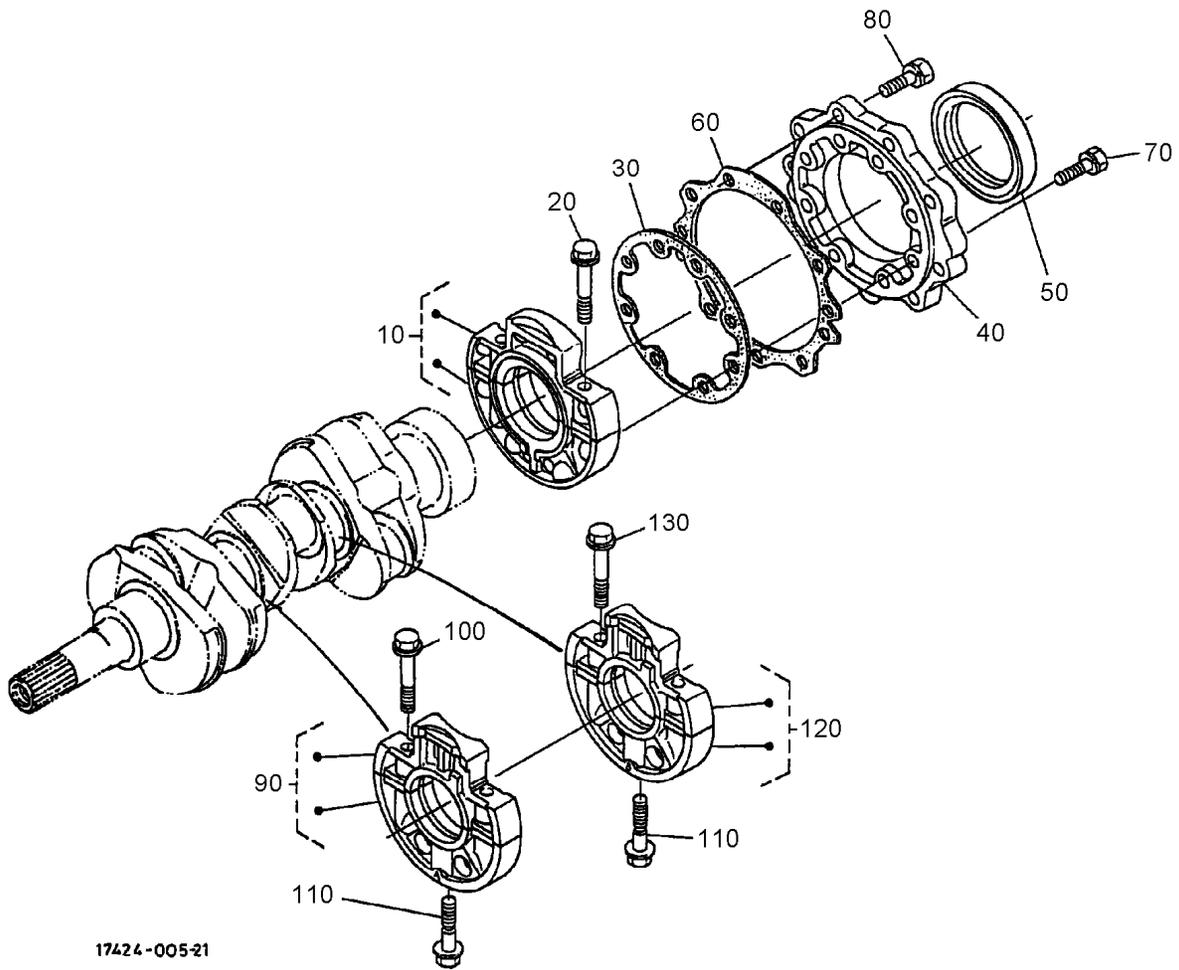
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9614	1	Cylinder Head Cover ASM
20	98-9615	1	Gasket-Cover, Head
30	98-9492	1	Joint-Pipe, Breather
40	98-9488	1	Plate-Element, Breather
50	98-9489	1	Plate-Element, Breather
60	98-9493	1	Element-Breather
70	98-9490	1	Shield-Oil, Breather
80	98-9364	2	Screw (With Washer)
90	98-9455	3	Nut-Cap
100	98-9454	3	Gasket
110	107-9075	1	Plug-Filler, Oil
120	99-3446	1	O-Ring
130	98-9491	1	Pipe-Breather



Gear Case, Oil Filter and Stop Solenoid Assembly

Ref.	Part Number	Qty.	Description
10	107-7825	1	Gear Case ASM
20	98-9598	5	Plug
30	99-3450	1	Plug
40	98-9544	1	Spring
50	98-9543	1	Seat-Valve
60	98-9380	1	Ball
70	99-3451	1	Plug-Packing
110	98-9540	1	Oil Pump Rotor ASM
120	105-3708	1	Cover-Pump, Oil
130	98-9592	5	Screw
140	98-9633	1	Gasket-Case, Gear
150	98-7496	3	Bolt
160	105-3797	4	Bolt
170	98-9356	2	Bolt
180	98-9437	1	Bolt
190	98-9586	2	Bolt

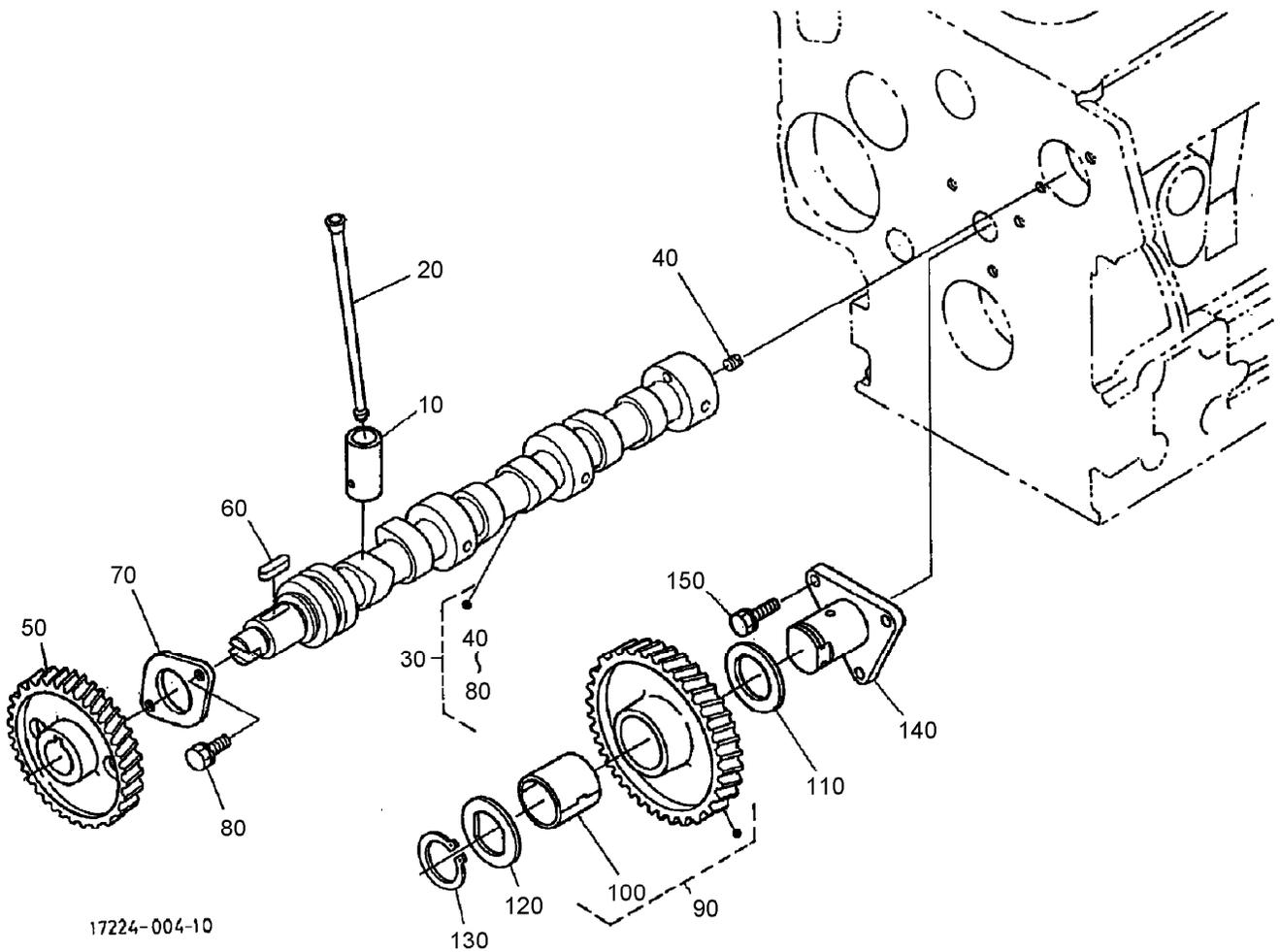
Ref.	Part Number	Qty.	Description
200	99-3511	1	Bolt
210	105-3709	1	Stud
220	98-7572	1	Nut
230	98-7699	1	Washer-Spring
240	98-9482	1	Seal-Oil
270	105-3710	2	Stud
280	107-9075	1	Plug-Filler, Oil
290	99-3446	1	O-Ring
300	98-9641	1	Cover-Case, Gear
310	99-8384	1	Filter-Oil
320	104-5159	1	Holder ASM
330	98-9727	1	Collar
340	104-5155	1	Solenoid-Stop
350	105-3799	2	Bolt-HSH
360	98-7699	2	Washer-Spring



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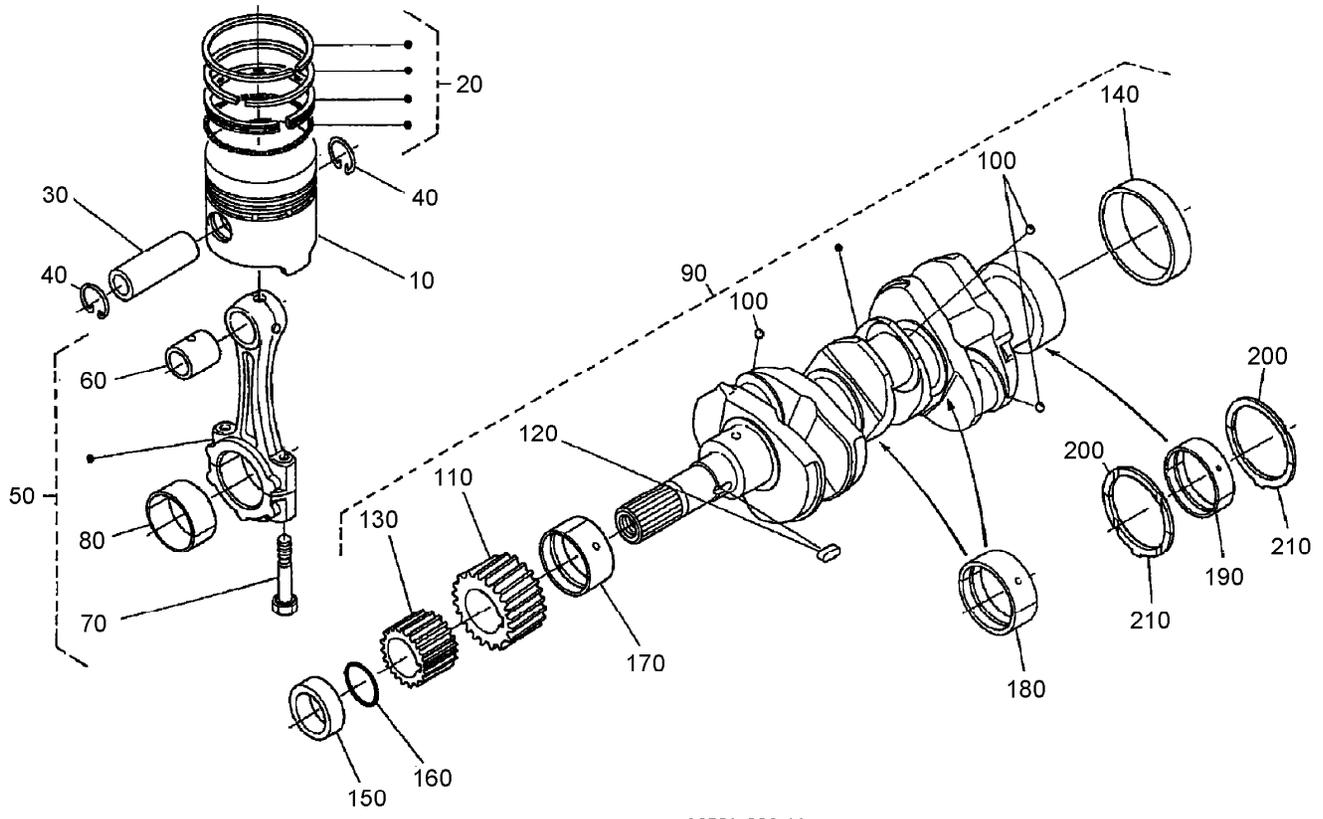
Main Bearing Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9480	1	Main Bearing Case ASM
20	98-9484	2	Bolt-Case, Bearing
30	98-9634	1	Gasket-Case, Bearing
40	98-9487	1	Cover-Case, Bearing
50	98-9483	1	Seal-Oil
60	98-9635	1	Gasket-Cover, Bearing Case
70	98-9352	8	Bolt
80	98-7568	9	Bolt
90	99-8361	1	Case-Bearing, Main
100	98-9484	2	Bolt-Case, Bearing
110	98-9485	2	Bolt-Case, Bearing
120	99-8360	1	Case-Bearing, Main
130	98-9484	2	Bolt-Case, Bearing



Camshaft and Idle Gear Shaft Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9616	6	Tappet
20	98-9509	6	Rod-Push
30	99-8362	1	Camshaft ASM
40	98-7449	1	Screw-Set
50	98-9512	1	Gear-Cam
60	98-9378	1	Key-Feather
70	98-9510	1	Stopper-Camshaft
80	98-7692	2	Bolt
90	98-9649	1	Idle Gear ASM
100	98-9650	1	Bushing-Gear, Idle
110	98-9535	1	Collar-Gear, Idle
120	98-9536	1	Collar-Gear, Idle
130	98-9534	1	Circlip-Gear, Idle
140	98-9533	1	Shaft-Gear, Idle
150	98-7692	3	Bolt



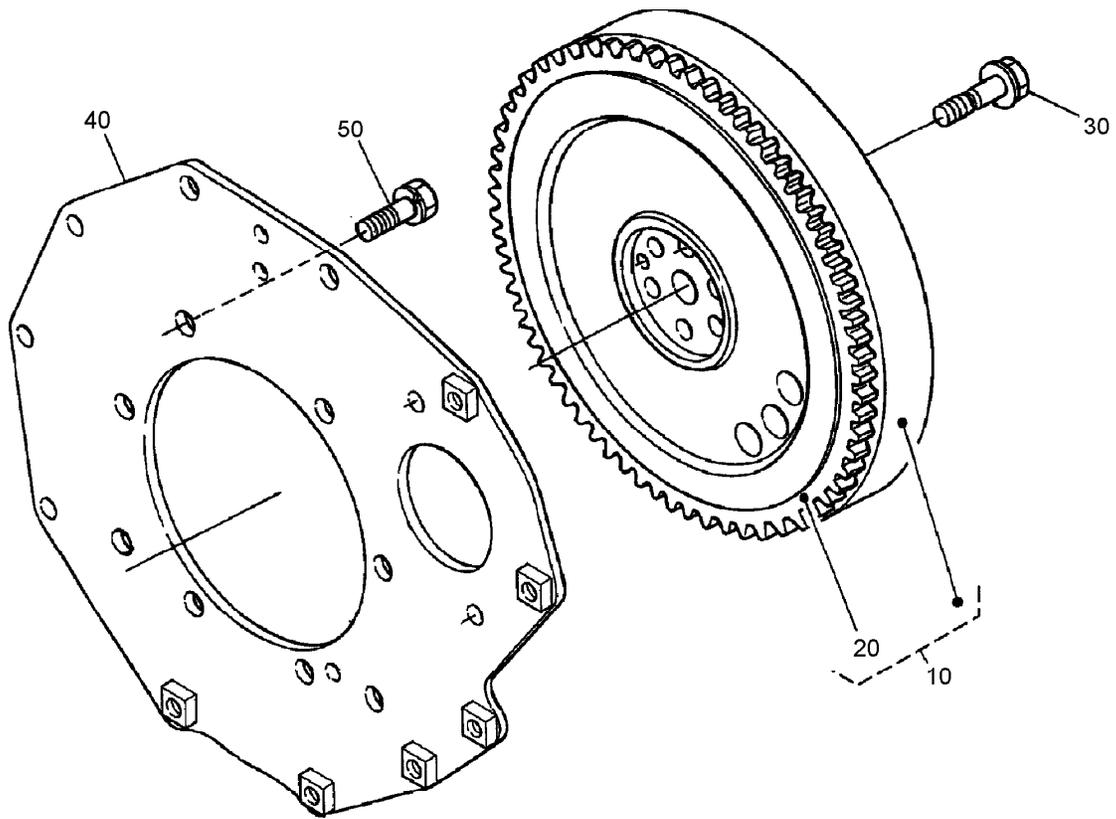
16221-009-10

Piston and Crankshaft Assembly

Ref.	Part Number	Qty.	Description
10	98-9550	3	Piston (STD)
10	108-1417	3	Piston (0.5Mm)
20	98-9551	3	Piston Ring ASM (STD)
20	108-1404	3	Piston Ring ASM (0.5Mm)
30	98-9513	3	Pin-Piston
40	98-9514	6	Circlip-Pin, Piston
50	98-9552	3	Connecting Rod ASM
60	98-9515	3	Bushing-Pin, Piston
70	98-9517	6	Bolt-Rod, Connecting
80	98-9553	3	Bearing-Rod (STD)
80	108-1405	3	Metal-Crankpin (-0.2Mm)
80	108-1406	3	Metal-Crankpin (-0.4Mm)
90	98-9642	1	Crankshaft ASM
100	98-7473	3	Ball
110	98-9532	1	Gear-Crankshaft
120	98-9666	1	Key
130	98-9542	1	Gear-Drive, Oil Pump
140	98-9522	1	Sleeve-Crankshaft

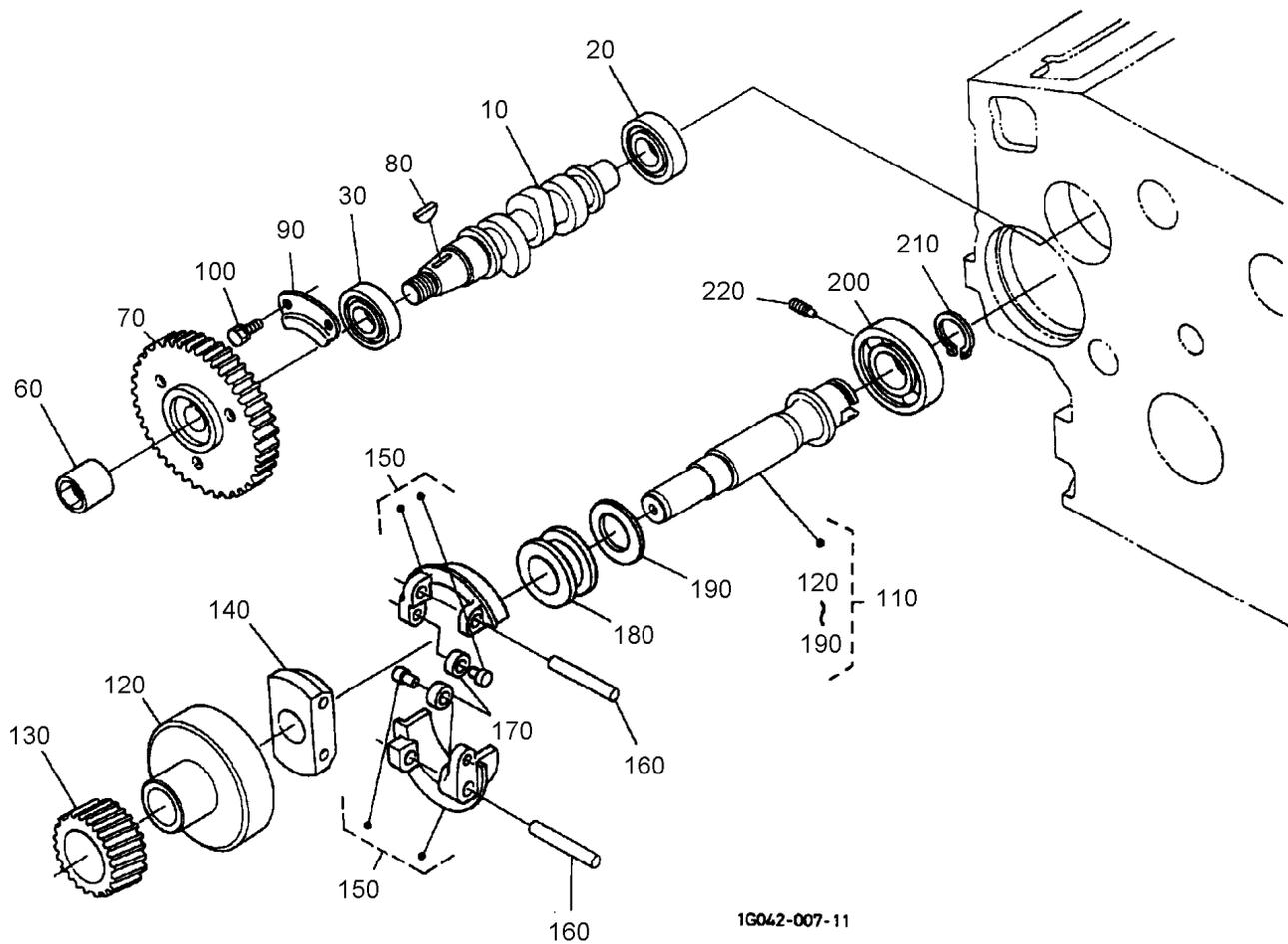
Ref.	Part Number	Qty.	Description
150	98-9521	1	Collar-Crankshaft
160	105-3783	1	O-Ring
170	98-9554	1	*obs* Bearing-Main (STD)
170	108-1407	1	Metal-Crankpin, -0.2Mm
170	108-1408	1	Metal-Crankpin, -0.4Mm
180	98-9555	2	Bearing-Main (STD)
180	108-1409	2	Metal-Crankpin, -0.2Mm
180	108-1410	2	Metal-Crankpin, -0.4Mm
190	98-9556	1	Bearing-Main (STD)
190	105-3719	1	Metal-Crankshaft (.2Mm)
190	105-3720	1	Metal-Crankshaft (.4Mm)
200	99-6864	2	Metal-Side (STD)
200	99-6865	2	Metal-Side, O/S (0.2Mm)
200	99-6866	2	Metal-Side, O/S (0.4Mm)
210	99-6867	2	Metal-Side (STD)
210	99-6868	2	Metal-Side, O/S (0.2Mm)
210	99-6869	2	Metal-Side, O/S (0.4Mm)

● Not serviced separately



Flywheel Assembly

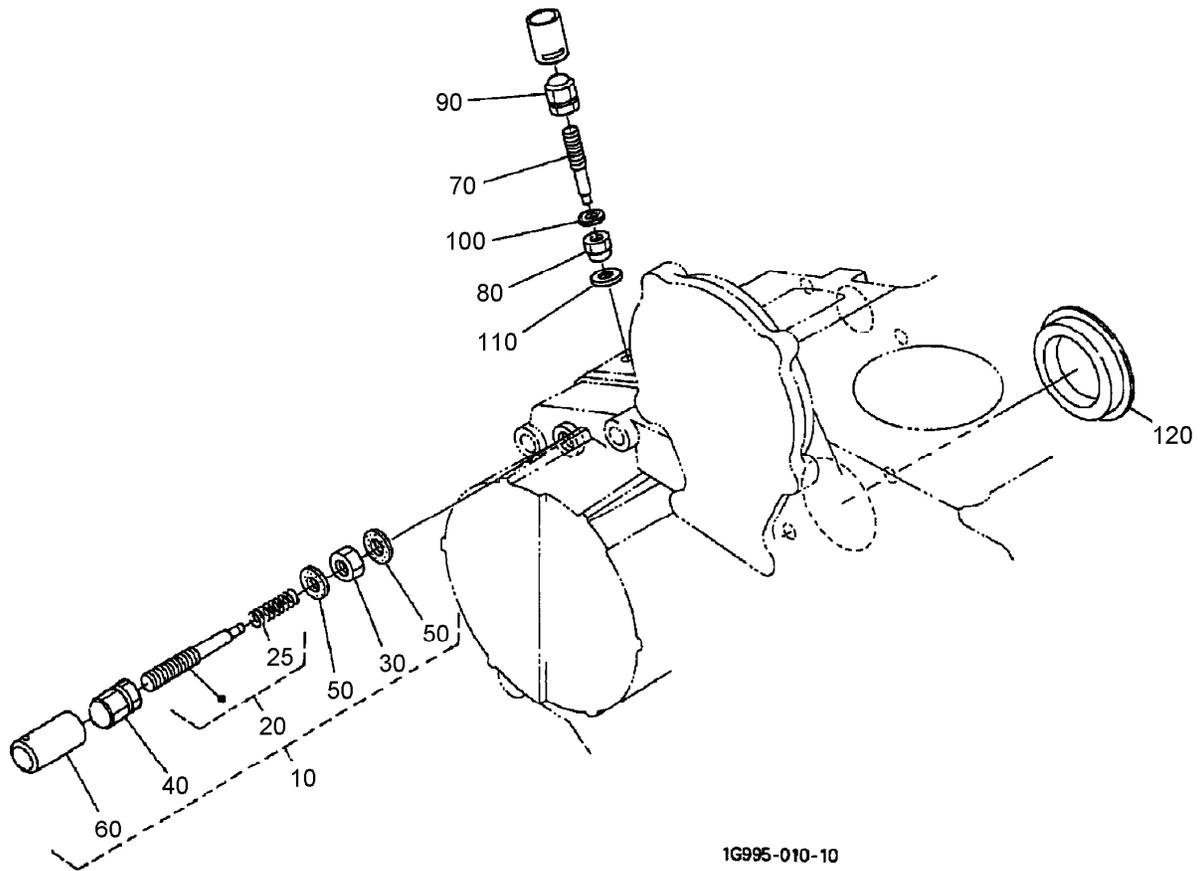
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	105-3784	1	Flywheel ASM
20	105-3722	1	Gear-Ring
30	98-9537	6	Bolt-Flywheel
40	98-9486	1	Plate-End, Rear
50	98-9392	8	Bolt



1G042-007-11

Fuel Camshaft and Governor Shaft Assembly

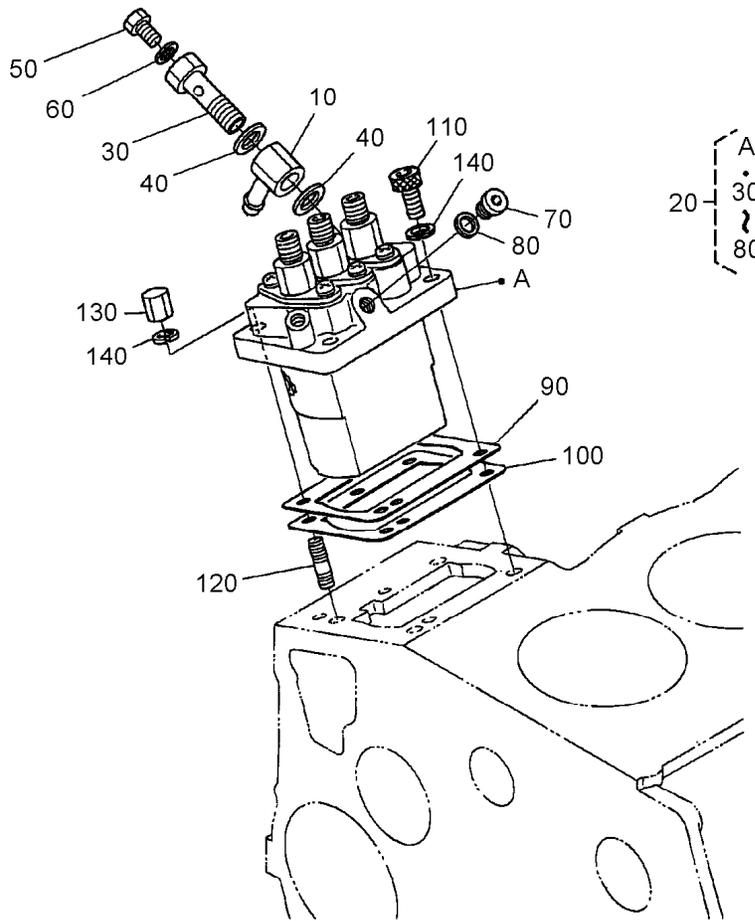
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9459	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
60	98-9590	1	Nut-Cap
70	98-9669	1	Gear-Pump, Injection
80	98-9595	1	Key-Woodruff
90	98-9511	1	Stopper-Fuel, Camshaft
100	98-7692	2	Bolt
110	98-9644	1	Governor Shaft ASM
120	98-9562	1	Holder-Gear, Governor
130	98-9673	1	Gear-Governor
140	98-9561	1	Holder-Weight, Governor
150	98-9559	2	Governor Weight ASM
160	98-9560	2	Shaft-Weight, Governor
170	98-9692	2	Roller
180	98-9563	1	Sleeve-Governor
190	98-9564	1	Washer-Thrust
200	107-9079	1	Bearing-Ball
210	98-9657	1	Circlip-Shaft, Governor
220	98-9565	1	Screw-Set



1G995-010-10

Idle Apparatus Assembly

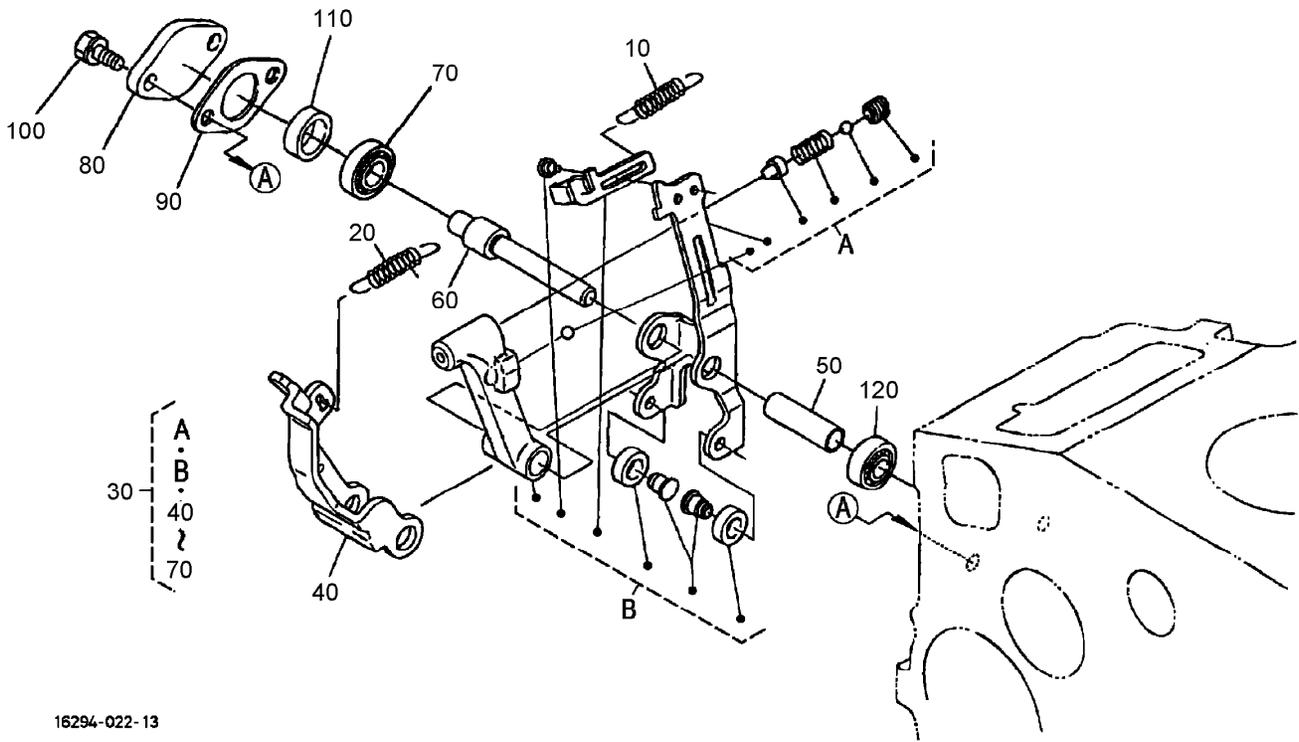
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	105-3726	1	Idle Apparatus ASM
20	104-4802	1	Adjusting Bolt ASM
25	107-9080	1	Spring
30	98-9439	1	Nut
40	99-8387	1	Nut-Cap
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	98-9557	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	99-8387	1	Nut-Cap
100	98-7654	1	Gasket
110	107-9081	1	Gasket
120	98-9640	1	Cover-Pump



1G682-016-10

Injection Pump Assembly

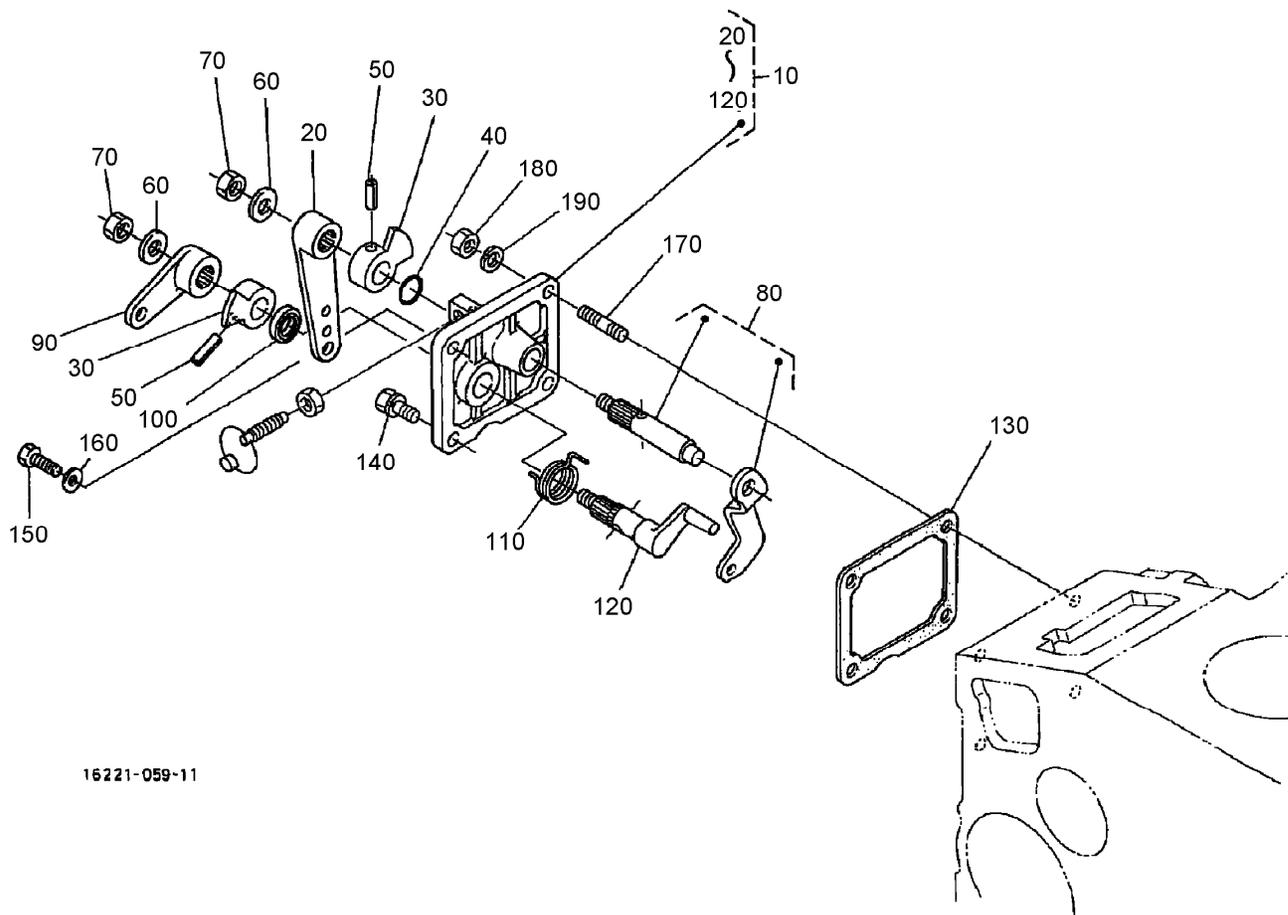
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9596	1	Joint-Eye
20	98-9643	1	Injection Pump ASM
30	98-9464	1	Bolt-Joint
40	98-9445	2	Gasket
50	98-9430	1	Screw
60	98-9446	1	Gasket
70	98-9466	1	Plug
80	98-9451	1	Gasket
90	98-9457	1	Shim-Injection (0.25Mm)
90	98-9456	1	Shim-Injection (0.20Mm)
100	98-9458	1	Shim-Injection (0.30Mm)
110	98-9361	2	Bolt-HSH
120	98-9438	2	Stud
130	98-9440	2	Nut-Cap
140	98-7699	4	Washer-Spring



16294-022-13

Governor Assembly

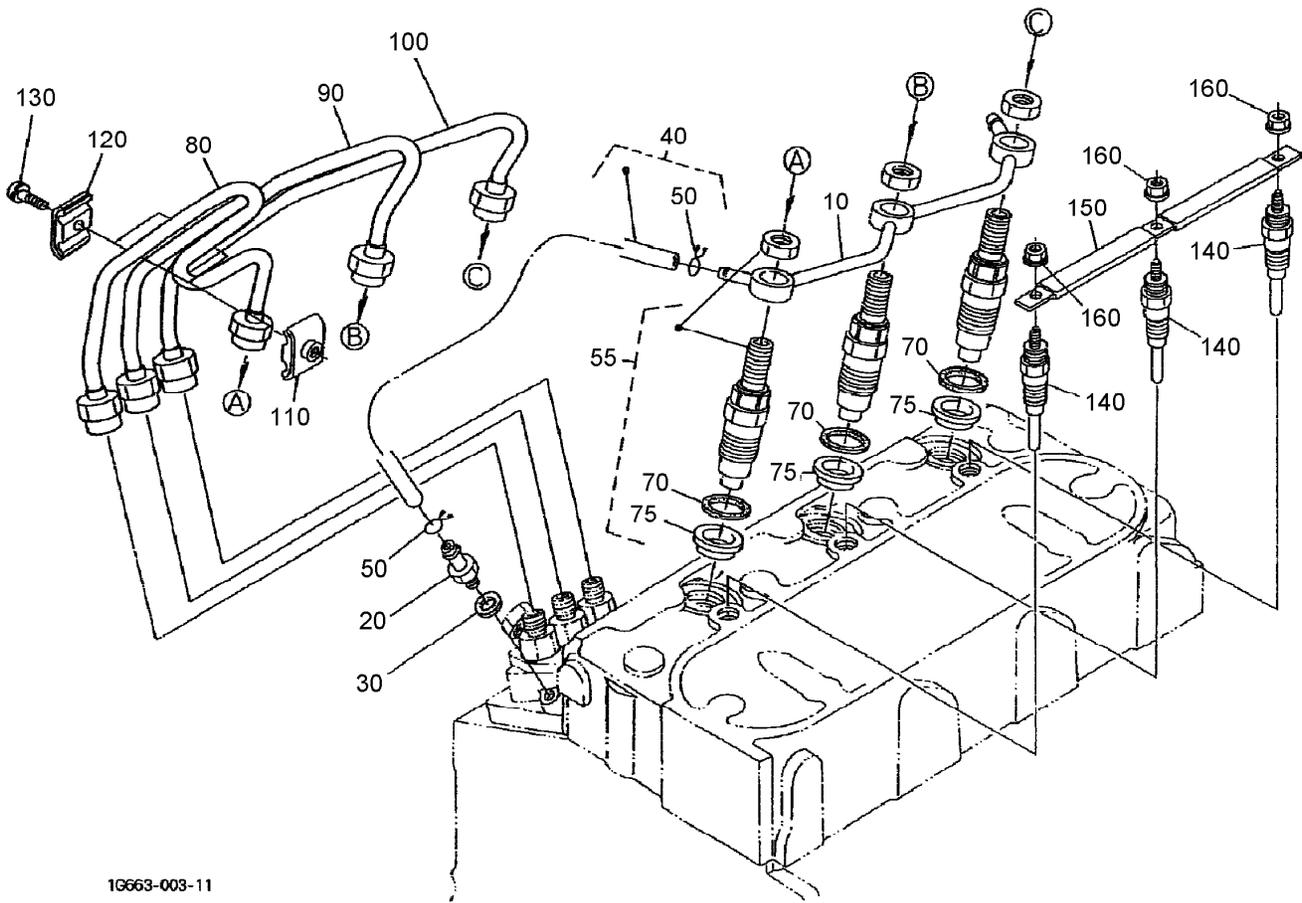
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	105-3786	1	Spring-Start
20	98-9681	1	Spring-Governor
30	107-9082	1	Fork Lever ASM
40	107-9084	1	Lever-Fork
50	107-9085	1	Shaft-Lever, Fork
60	107-9086	1	Shaft-Lever, Fork
70	98-9570	1	Bearing-Miniaturize
80	98-9569	1	Cover-Shaft, Fork Lever
90	98-9682	1	Gasket
100	98-9351	2	Bolt
110	98-9567	1	Collar
120	98-9571	1	Bearing-Miniaturize



16221-059-11

Speed Control Plate Assembly

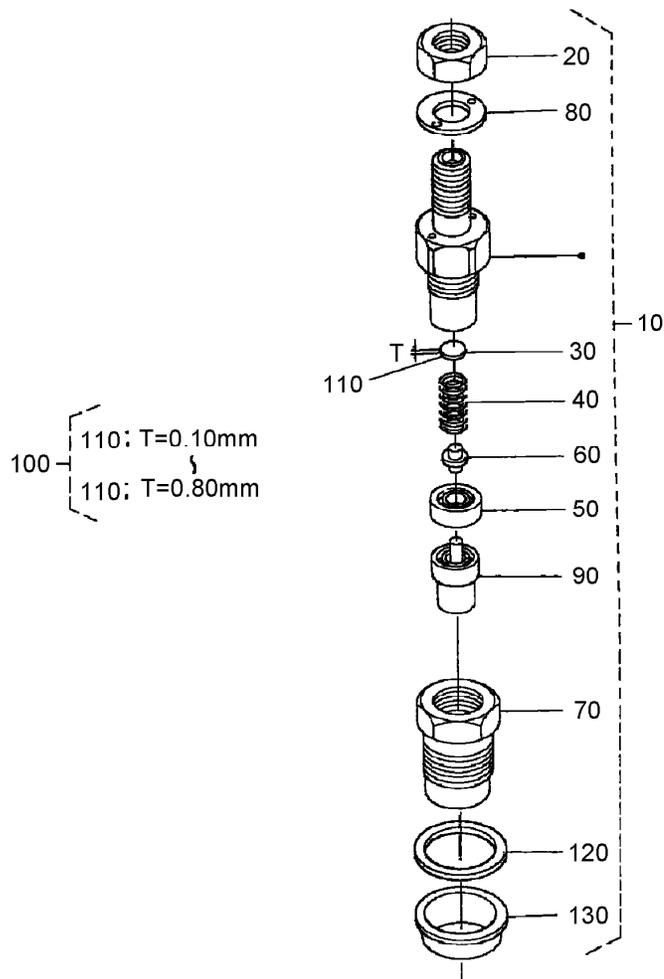
Ref.	Part Number	Qty.	Description
10	105-3735	1	Control Plate ASM
20	98-9662	1	Lever-Control, Speed
30	98-9572	2	Lever-Control, Speed
40	105-3788	1	O-Ring
50	98-7602	2	Pin-Spring
60	98-9594	2	Washer-Plain
70	98-9589	2	Nut
80	98-9658	1	Governor Lever ASM
90	98-9663	1	Lever-Stop, Engine
100	98-7601	1	Seal-Oil
110	98-9472	1	Spring-Return
120	98-9664	1	Shaft-Lever, Stop
130	98-9637	1	Gasket
140	98-7692	1	Bolt
150	99-8348	1	Bolt
160	98-7654	1	Gasket
170	105-3710	2	Stud
180	98-7572	2	Nut
190	98-7699	2	Washer-Spring



1G663-003-11

Nozzle Holder and Glow Plug Assembly

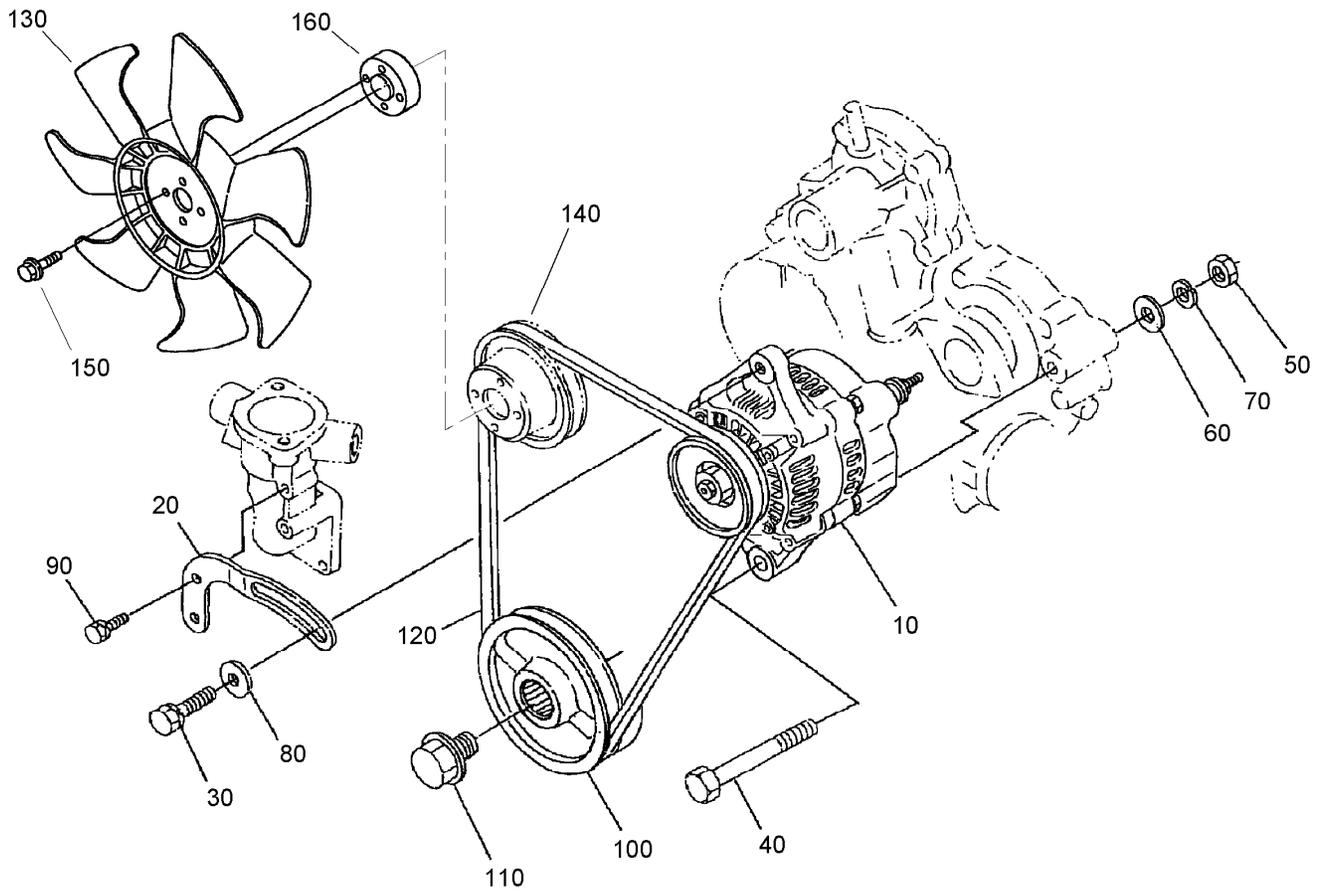
Ref.	Part Number	Qty.	Description
10	98-9621	1	Overflow Pipe ASM
20	98-9431	1	Screw-Bleeder, Air
30	98-7654	1	Gasket
40	98-9624	1	Overflow Pipe ASM
50	98-7672	2	Clip-Pipe
55	108-2866	3	Nozzle Holder Kit
70	98-7676	3	Gasket
75	98-7677	3	Seal-Heat
80	98-9622	1	Pipe-Injection
90	98-9654	1	Pipe-Injection
100	98-9655	1	Pipe-Injection
110	98-7682	2	Clamp-Pipe
120	98-7683	2	Clamp-Pipe
130	98-7684	2	Screw (W/Washer)
140	98-9623	3	Plug-Glow
150	98-9631	1	Cord-Plug, Glow
160	99-8377	3	Nut-Flange



1G347-015-10

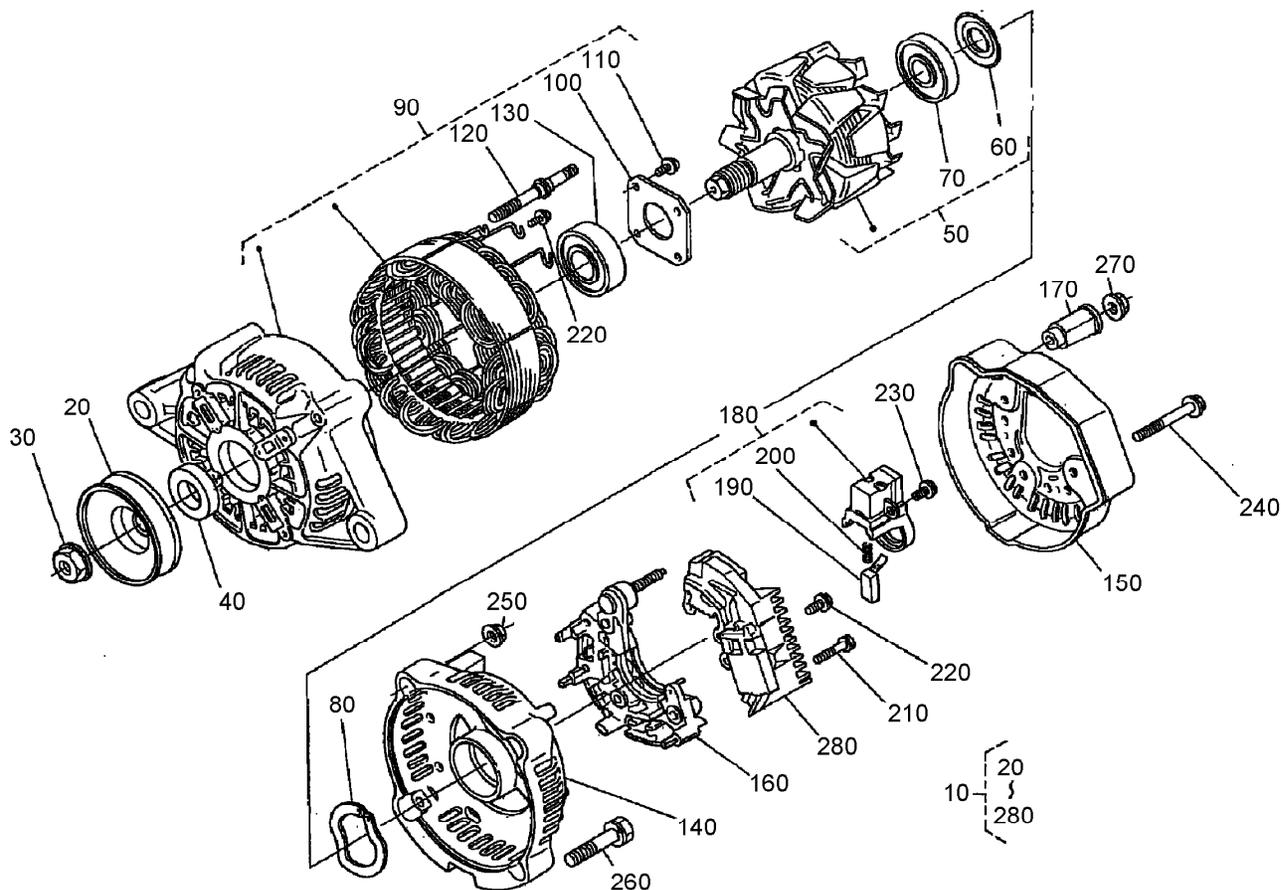
Nozzle Holder Assembly

Ref.	Part Number	Qty.	Description
10	108-2866	3	Nozzle Holder Kit
20	99-8301	3	Nut
30	99-8302	3	Washer-Adjusting
40	99-8303	3	Spring-Nozzle
50	99-8304	3	Spacer-Distance
60	99-8305	3	Rod-Push
70	99-8306	3	Nut-Nozzle
80	99-8307	3	Washer-Plain
90	107-7826	3	Piece-Nozzle
100	99-8309	3	Adjusting Washer ASM
110	99-8310	3	Washer-Adjust (0.10Mm)
110	99-8311	3	Washer-Adjust (0.20Mm)
110	99-8312	3	Washer-Adjust (0.30Mm)
110	99-8313	3	Washer-Adjust (0.40Mm)
110	99-8314	3	Washer-Adjust (0.50Mm)
110	99-8315	3	Washer-Adjust (0.52Mm)
110	99-8316	3	Washer-Adjust (0.54Mm)
110	99-8317	3	Washer-Adjust (0.56Mm)
110	99-8318	3	Washer-Adjust (0.58Mm)
110	99-8319	3	Washer-Adjust (0.80Mm)
120	98-7676	3	Gasket
130	98-7677	3	Seal-Heat



Alternator and Pulley Assembly

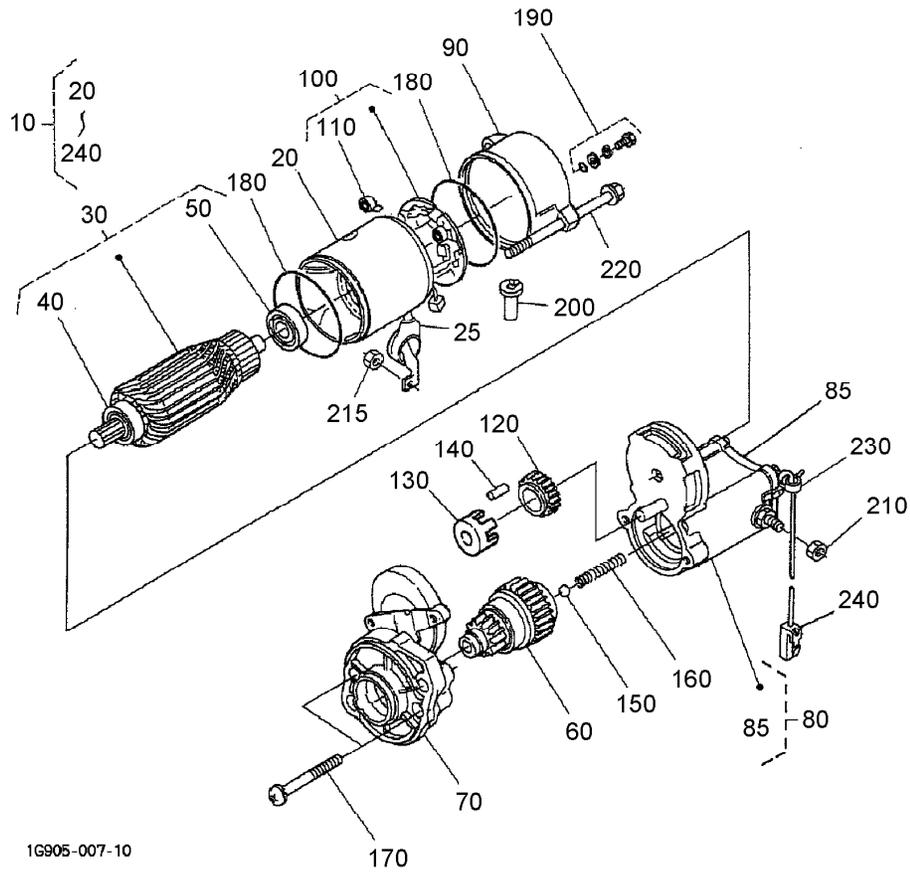
Ref.	Part Number	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9573	1	Stay-Dynamo
30	98-7697	1	Bolt
40	98-9360	1	Bolt
50	98-7737	1	Nut
60	98-9366	1	Washer-Plain
70	98-7738	1	Washer-Spring
80	100-9233	1	Washer-Plain
90	98-7692	1	Bolt
100	99-3456	1	Pulley-Drive, Fan
110	98-9585	1	Bolt
120	98-9676	1	V-Belt
130	104-4246	1	Fan-Engine
140	98-9584	1	Pulley-Fan
150	108-2873	4	Bolt-Flange
160	108-2872	1	Collar-Fan



Alternator (Component Part) Assembly

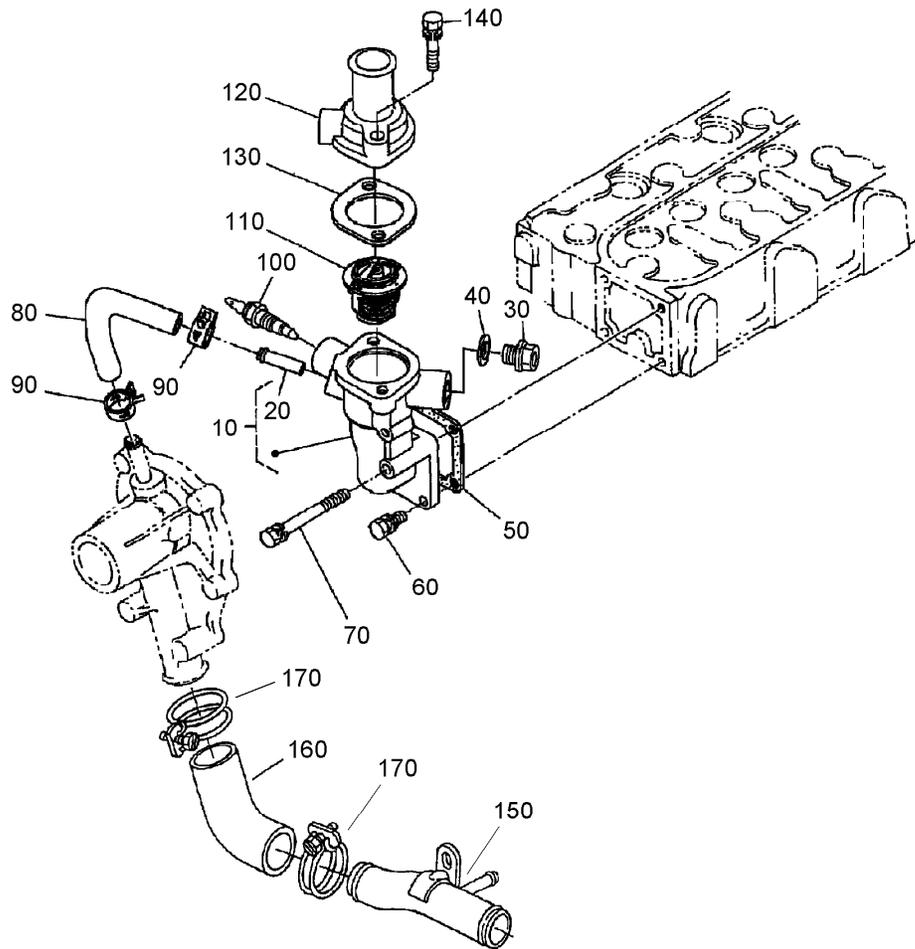
Ref.	Part Number	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	107-0137	1	Bearing-Ball
140	107-9087	1	Frame-End

Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	98-9476	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	107-0141	1	Brush Holder ASM
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	107-9088	1	Regulator ASM



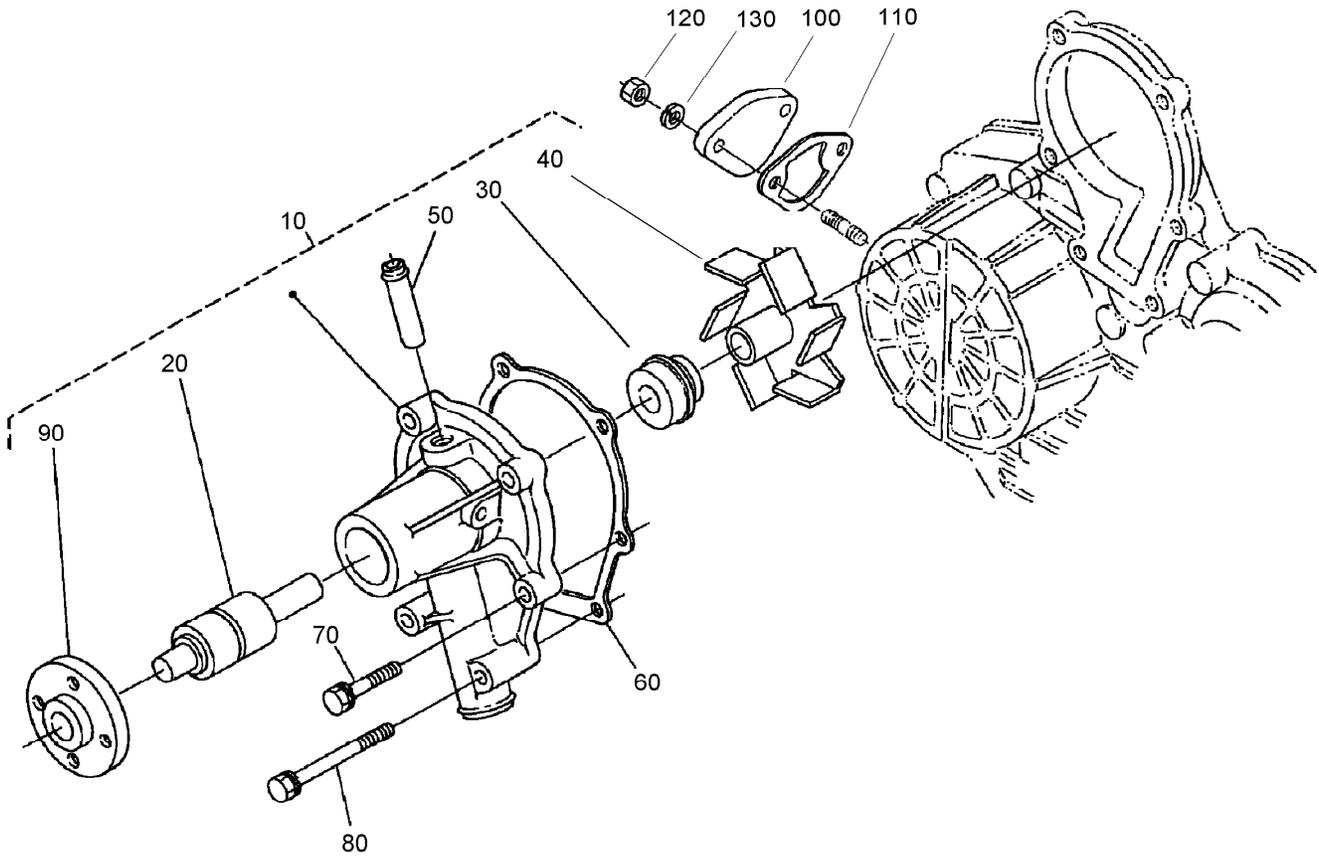
Starter (Component Part) Assembly No. 98-9705

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9705	1	Starter ASM	130	98-7752	1	Retainer
20	104-8608	1	Yoke ASM	140	98-7753	5	Roller
25	99-8375	1	Cover	150	98-7755	1	Ball
30	98-7742	1	Armature ASM	160	98-7754	1	Spring
40	98-7744	1	Bearing	170	98-7756	2	Bolt
50	98-7743	1	Bearing	180	98-7757	2	O-Ring
60	99-8373	1	Clutch-Running, Over	190	98-7758	2	Bolt ASM
70	99-8374	1	Frame-End, Drive	200	98-7759	1	Pipe-Drain
80	105-3746	1	Magnetic Switch ASM	210	99-8371	1	Nut-Hex
85	105-2886	1	Cover ASM	215	99-8376	1	Nut-Hex
90	98-7748	1	Frame-End	220	100-9240	2	Bolt
100	98-7749	1	Brush Holder ASM	230	98-9712	1	Band-Cover
110	98-7750	4	Spring-Brush	240	98-9711	1	Cord-Solenoid, Stop
120	98-7751	1	Gear				



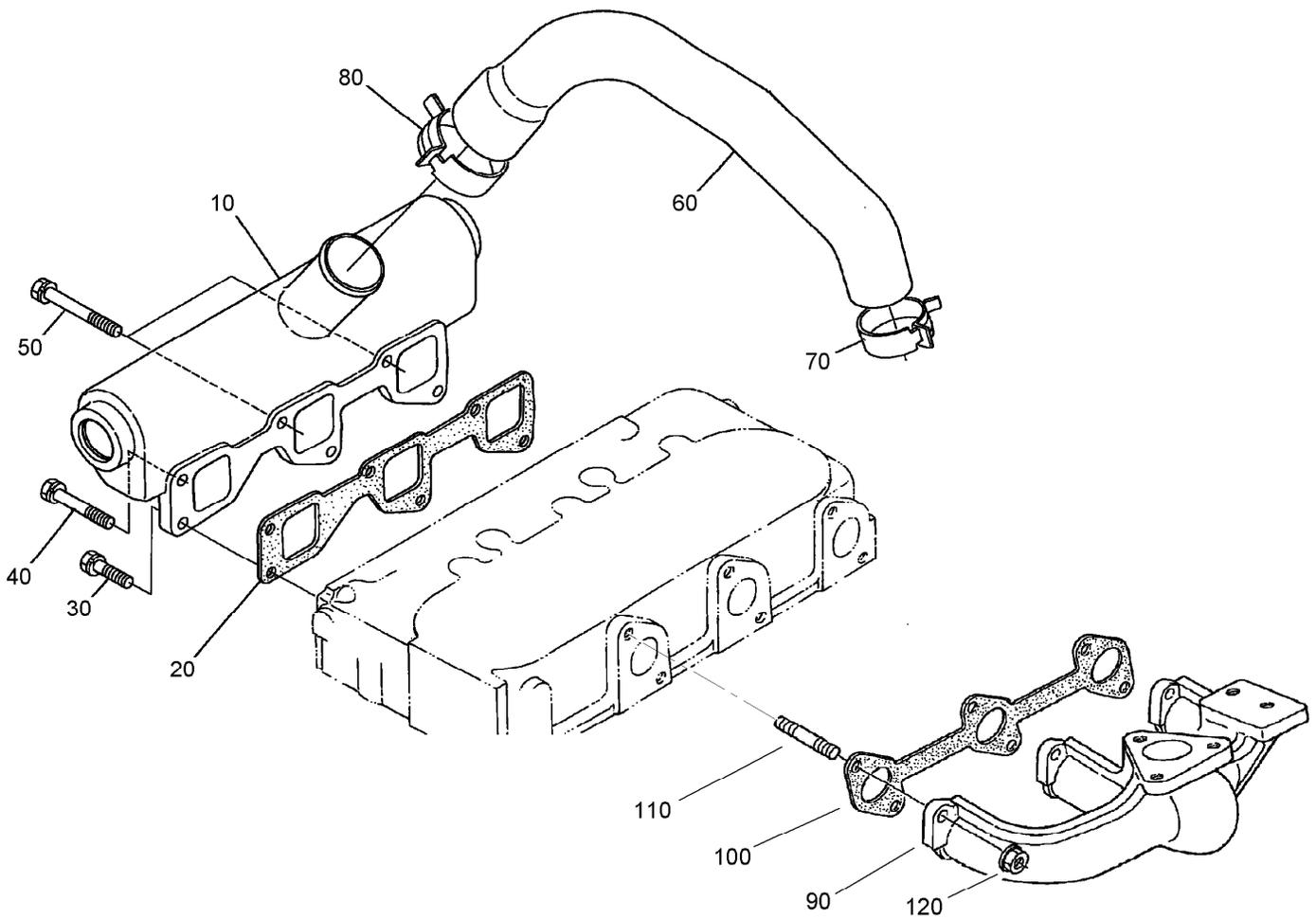
Water Flange and Thermostat Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9713	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
30	105-3747	1	Plug
40	99-3583	1	Gasket
50	98-9638	1	Gasket-Flange, Water
60	98-7692	3	Bolt
70	98-9356	1	Bolt
80	98-9578	1	Pipe-Return, Water
90	98-9579	2	Band-Pipe
100	98-9719	1	Thermoswitch
110	98-7778	1	Thermostat ASM
120	104-4804	1	Outlet-Water
130	105-3748	1	Gasket-Thermostat
140	98-7777	2	Bolt
150	99-8379	1	Pipe-Water
160	107-9091	1	Pipe-Water
170	98-9717	2	Clamp



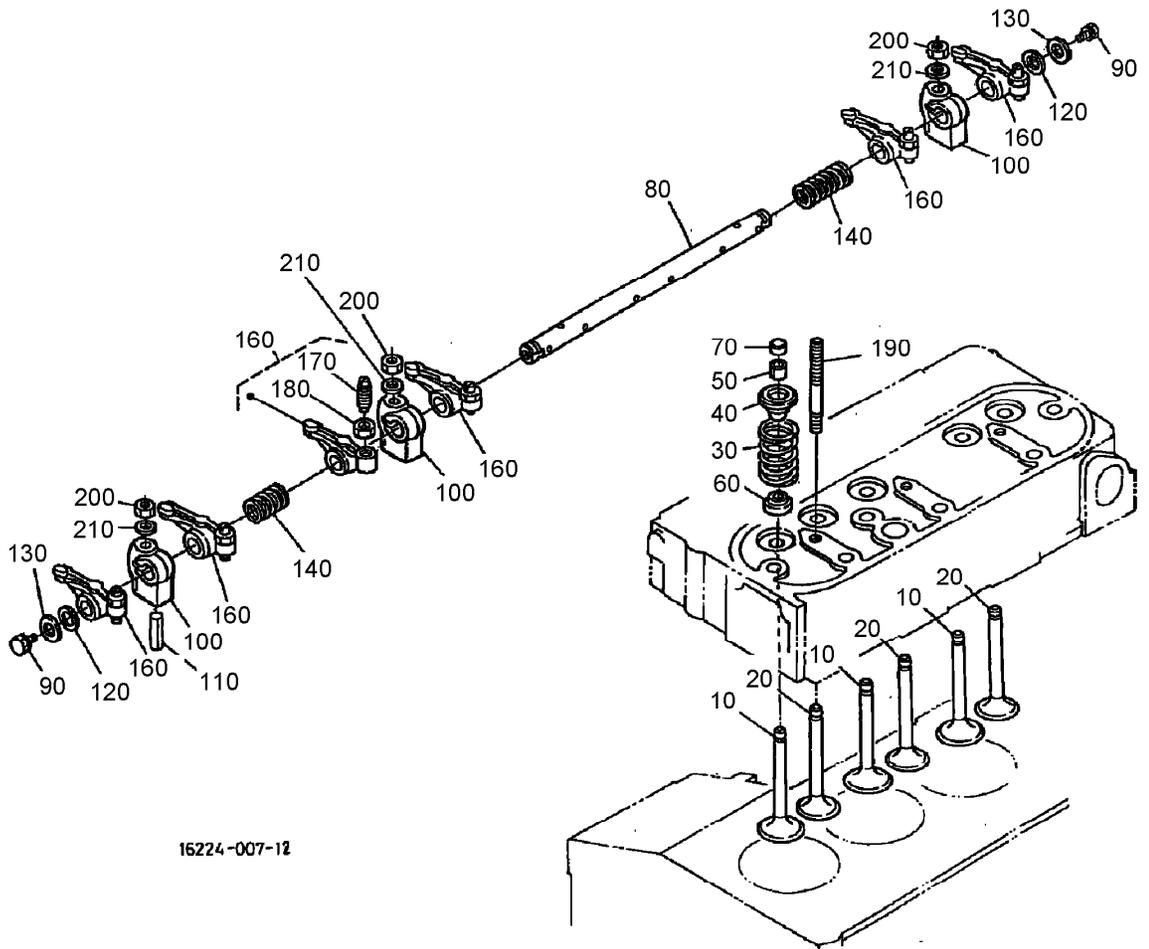
Water Pump Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	107-9089	1	Water Pump ASM
20	99-3517	1	Bearing-Pump, Water
30	105-3750	1	Mechanical Seal ASM
40	99-3519	1	Impeller-Pump, Water
50	98-9577	1	Pipe-Return, Water
60	99-3454	1	Gasket-Pump, Water
70	98-9353	4	Bolt
80	98-9357	2	Bolt
90	99-3516	1	Flange-Pump, Water
100	99-3514	1	Cover
110	98-9636	1	Gasket-Pump, Fuel
120	98-7572	2	Nut
130	98-7699	2	Washer-Spring



Inlet and Exhaust Manifold Assembly

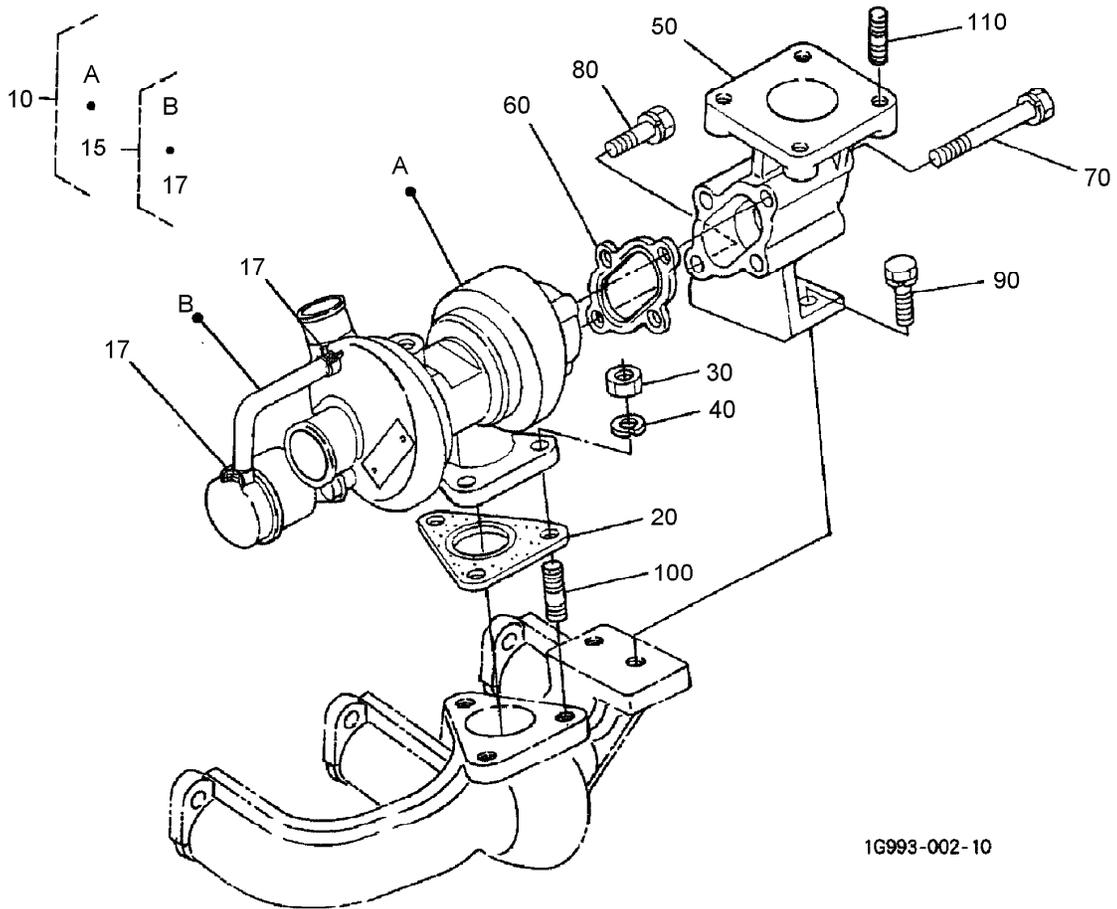
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	99-8321	1	Manifold-Inlet
20	99-8329	1	Gasket-Manifold, Intake
30	98-7568	3	Bolt
40	107-9073	1	Bolt
50	99-8320	2	Bolt
60	99-8323	1	Hose-Inlet
70	99-8324	1	Band-Pipe
80	99-8322	1	Band-Pipe
90	108-1411	1	Manifold-Exhaust
100	98-9610	1	Gasket
110	98-9588	6	Stud
120	98-9665	6	Nut



16224-007-12

Valve Rocker Arm Assembly

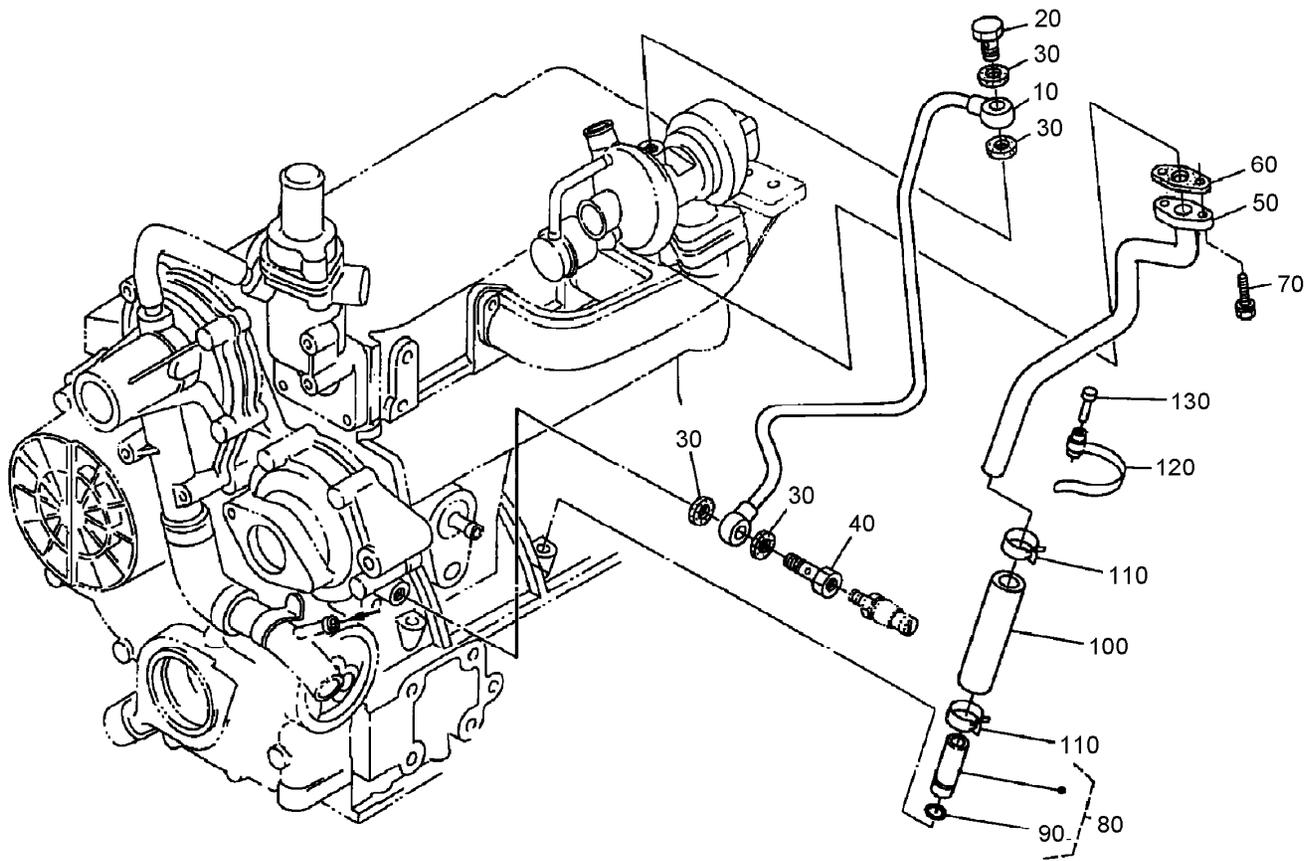
Ref.	Part Number	Qty.	Description
10	98-9494	3	Valve-Inlet
20	98-9625	3	Valve-Exhaust
30	98-9626	6	Spring-Valve
40	107-9092	6	Retainer-Spring
50	98-9390	6	Collet-Spring, Valve
60	99-8385	6	Seal-Stem, Valve
70	98-9497	6	Cap-Valve
80	105-3790	1	R-Arm Shaft ASM
90	100-9265	2	Bolt
100	98-9505	3	Bracket-Arm, Rocker
110	105-3758	1	Pin-Spring
120	98-9507	2	Washer-Shaft, R-Arm
130	100-1927	2	Washer-Plain
140	98-9504	2	Spring-Arm, Rocker
160	98-9501	6	Rocker Arm ASM
170	98-9502	6	Screw-Adjusting
180	98-9503	6	Nut
190	98-9506	3	Stud
200	98-9393	3	Nut
210	98-9385	3	Washer-Flat



1G993-002-10

Turbo Charger Assembly

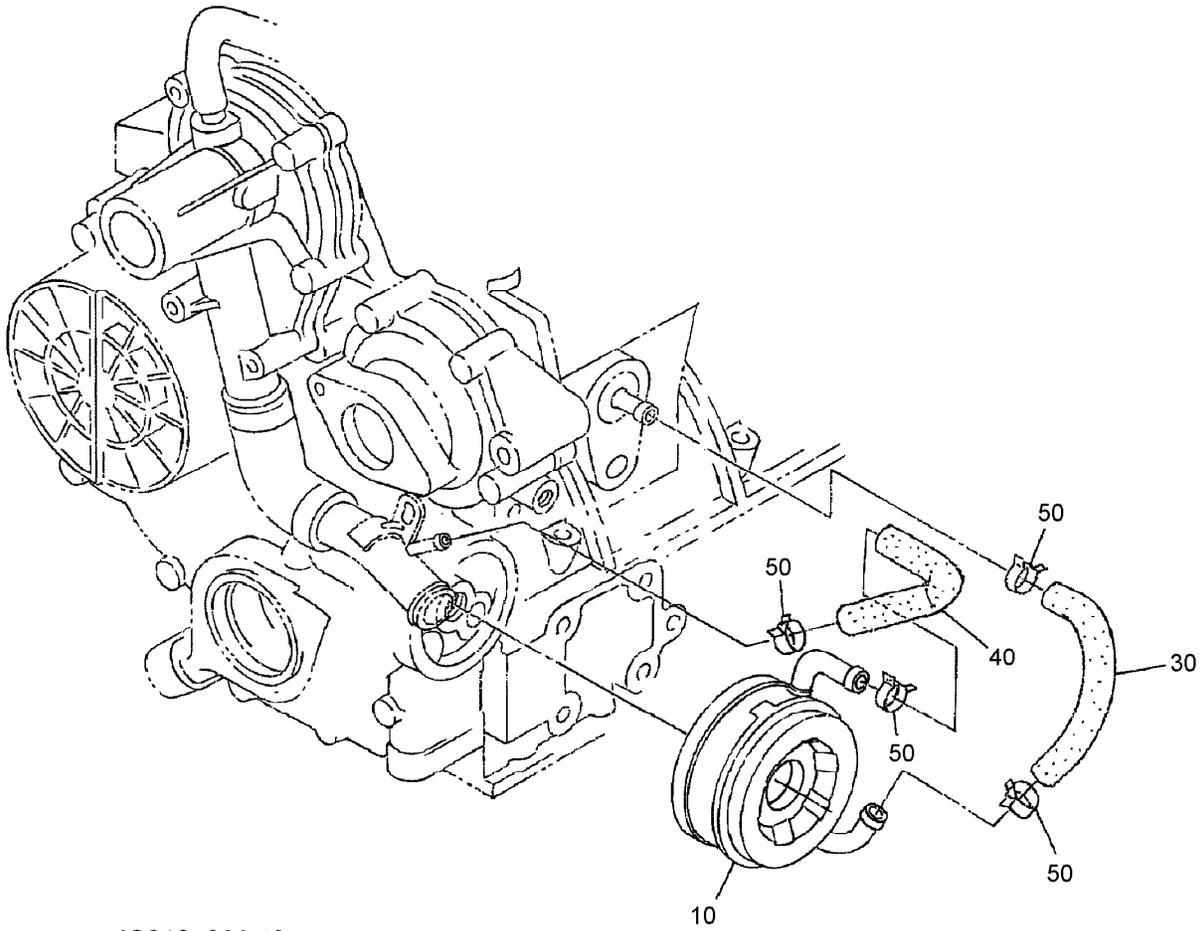
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	108-1412	1	Turbo Charger ASM
15	108-1413	1	Hose ASM
17	108-1414	2	Clamp-Hose
20	105-3767	1	Gasket
30	98-7534	3	Nut
40	98-7535	3	Washer-Spring
50	99-8335	1	Flange-Muffler
60	105-3768	1	Gasket
70	105-2894	3	Bolt
80	105-2895	1	Bolt
90	98-7610	2	Bolt
100	99-8341	3	Stud
110	98-7769	4	Stud



W535-016-10

Turbo Charger Oil Pipe Assembly

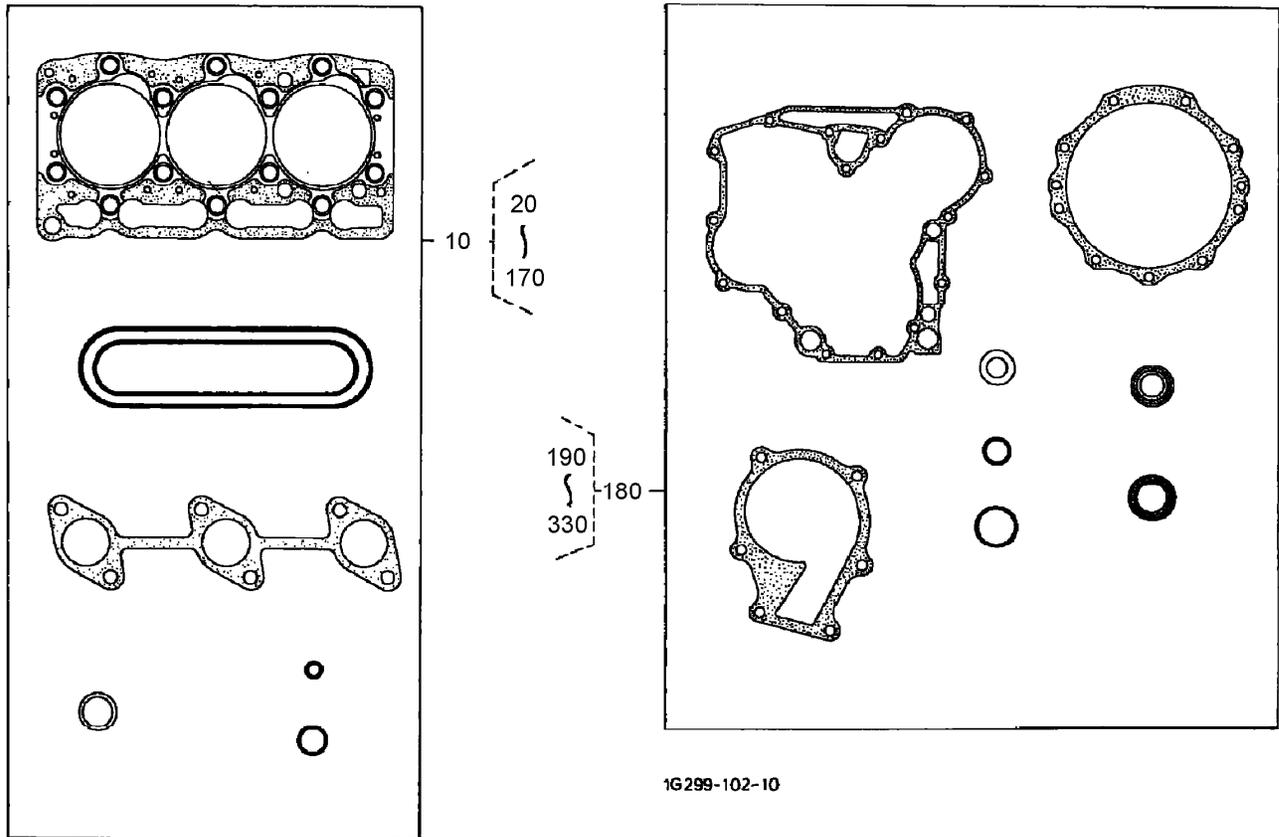
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	98-9419	1	Oil Pipe ASM
20	98-9418	1	Bolt-Joint, Eye
30	99-8346	4	Gasket
40	98-9417	1	Bolt-Joint, Eye
50	98-9461	1	Pipe Line ASM
60	98-9435	1	Gasket-Oil Return, Turbo
70	98-7605	2	Bolt
80	99-8383	1	Oil Pipe ASM
90	98-9374	1	O-Ring
100	98-9721	1	Pipe-Oil
110	98-9714	2	Clamp-Hose
120	98-9601	1	Clamp-Pipe
130	98-9591	1	Pin-Band



1G643-006-10

Oil Cooler Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	104-5158	1	Oil Cooler ASM
30	98-9724	1	Pipe-Cooler, Oil
40	98-9578	1	Pipe-Return, Water
50	98-9579	4	Band-Pipe



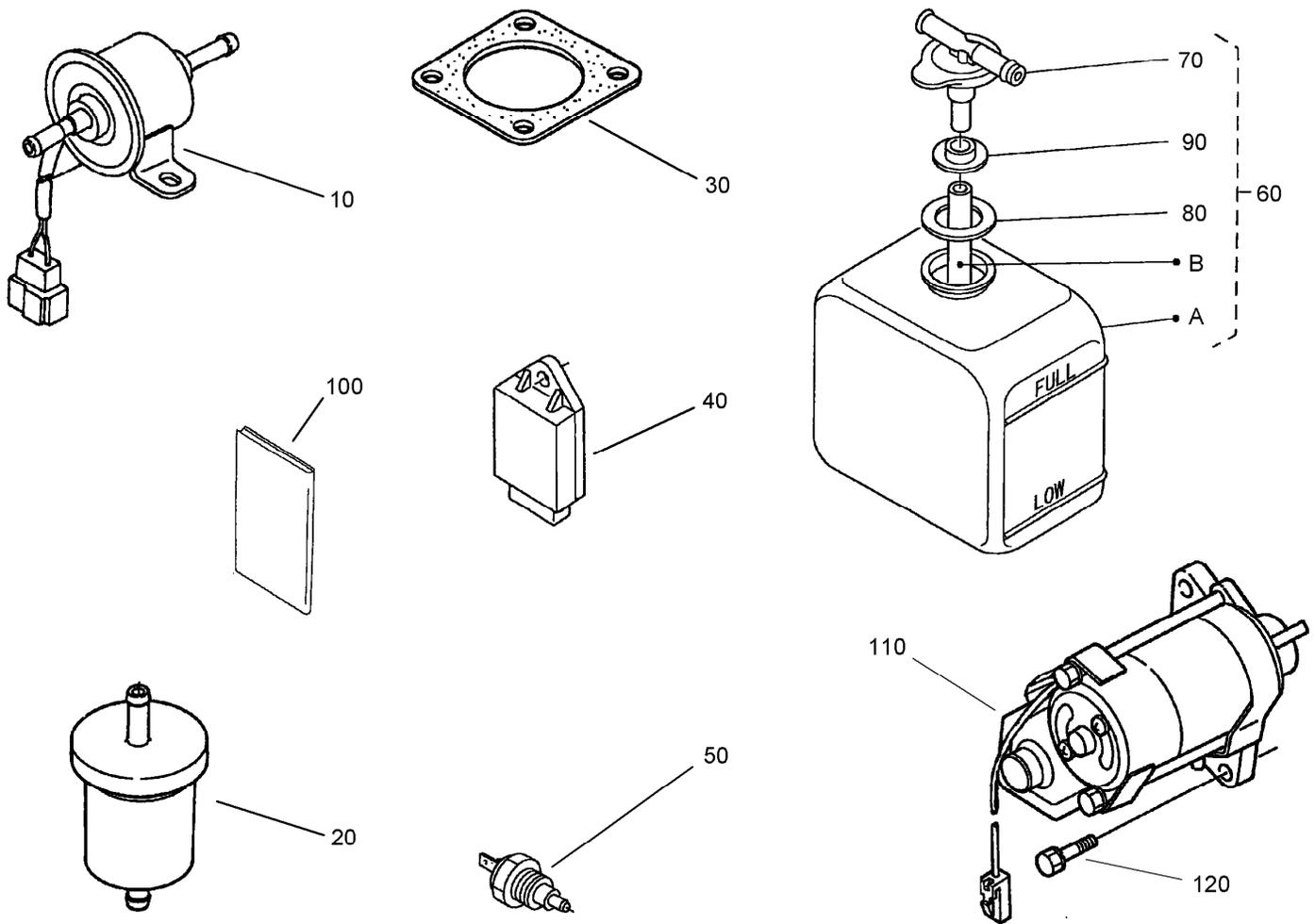
1G299-102-10

Gasket Kit Assembly

Ref.	Part Number	Qty.	Description
10	108-1415	1	Upper Gasket Kit
20	98-7538	1	Cap-Sealing ●
30	105-3780	1	Gasket-Head, Cylinder ●
40	99-8329	1	Gasket-Manifold, Intake ●
50	105-3767	1	Gasket ●
60	105-3768	1	Gasket ●
70	98-9610	1	Gasket ●
80	99-8385	6	Seal-Stem, Valve ●
90	98-9615	1	Gasket-Cover, Head ●
100	98-9454	3	Gasket ●
110	99-3446	1	O-Ring ●
120	99-8346	4	Gasket ●
130	98-9435	1	Gasket-Oil Return, Turbo ●
140	98-9374	1	O-Ring ●
150	98-9638	1	Gasket-Flange, Water ●
160	105-3748	1	Gasket-Thermostat ●
170	98-9611	1	Gasket ●

Ref.	Part Number	Qty.	Description
180	108-1416	1	Lower Gasket Kit
190	98-9632	1	Gasket-Pump, Water ●
200	98-9633	1	Gasket-Case, Gear ●
210	105-3781	2	O-Ring ●
220	105-3777	2	O-Ring ●
230	98-9634	1	Gasket-Case, Bearing ●
240	98-9635	1	Gasket-Cover, Bearing Case ●
250	105-3783	1	O-Ring ●
260	105-3776	1	O-Ring ●
270	98-9729	1	O-Ring ●
280	98-9636	1	Gasket-Pump, Fuel ●
290	98-9682	1	Gasket ●
300	105-3788	1	O-Ring ●
310	98-7601	1	Seal-Oil ●
320	98-9637	1	Gasket ●
330	98-9683	1	Gasket-Cover, Solenoid ●

● Not illustrated



Starter, Overflow Bottle and Other Miscellaneous Part Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	107-0122	1	Pump-Fuel, Electric
20	98-7612	1	Filter-Fuel
30	98-9611	1	Gasket
40	98-7611	1	Controller-Glow
50	106-7772	1	Thermoswitch
60	104-9318	1	Overflow Bottle ASM
70	105-3754	1	Cap
80	105-3755	1	Gasket
90	105-3756	1	Plate
100	107-7827	1	Manual-Operator, Kubota
110	98-9705	1	Starter ASM
120	98-7697	2	Bolt

Attachments and Accessories

For 30826 Groundsmaster 3505-D

Product Name	Model/Part
Blade-Lift, High	105-4089-03
Sail Angle Blade	105-9810-03
Atomic Blade	107-0235-03
Combo Blade	108-9026-03
27in Rotary Cutting Unit.....	30834
Leaf Mulching Kit	30836

Notes:



Count on it.