



Count on it.

Parts Catalog

Reelmaster® 3100-D

Traction Unit

Model No. 03170—Serial No. 403300001 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.

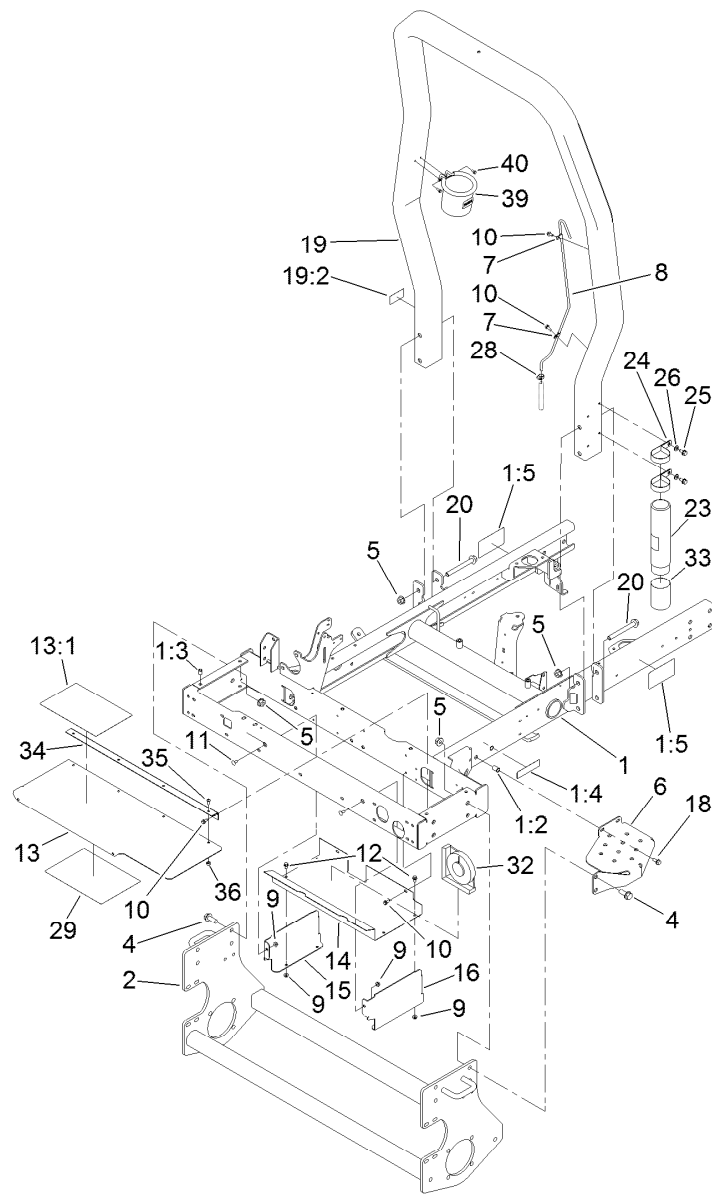
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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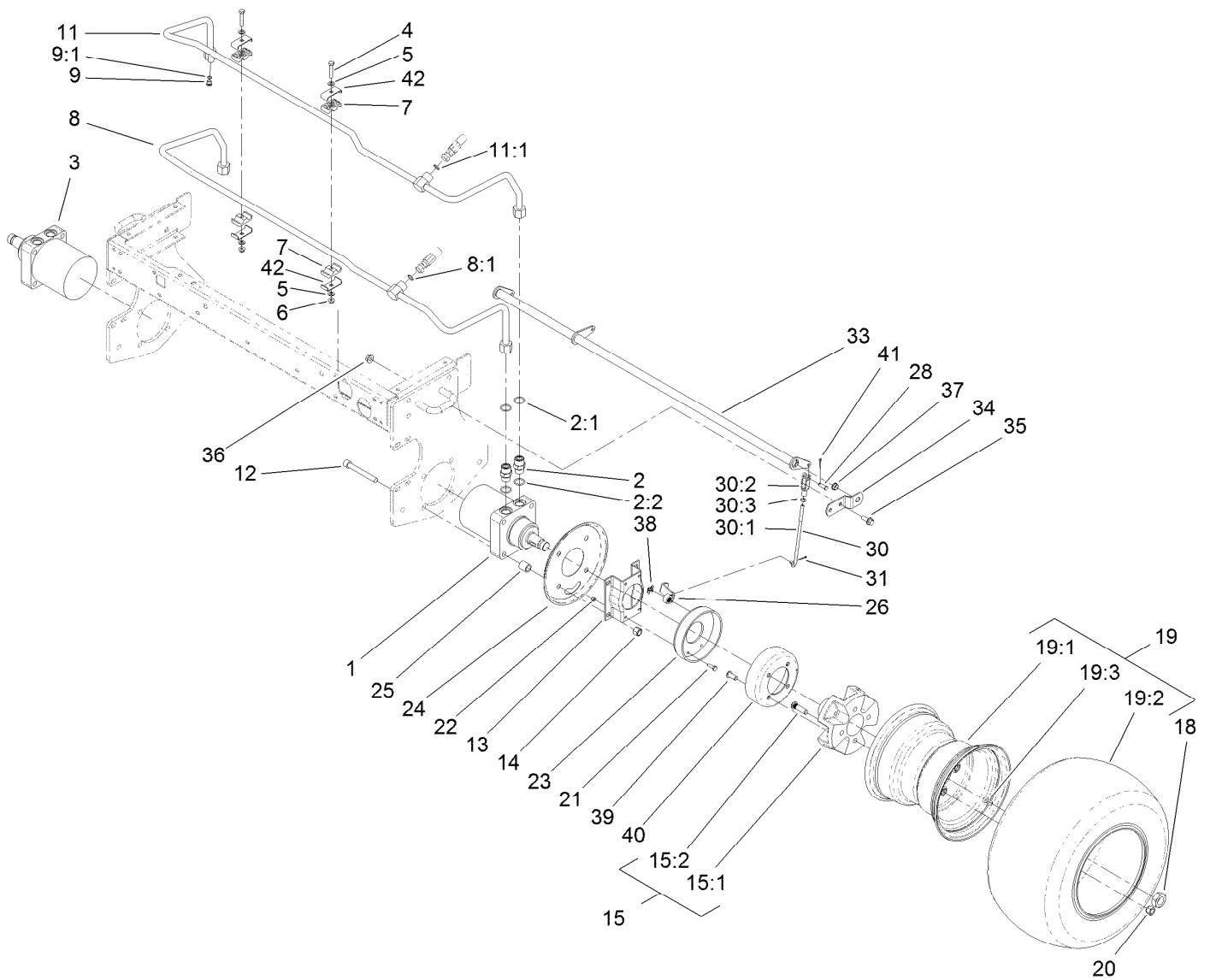
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Frame and Platform Assembly

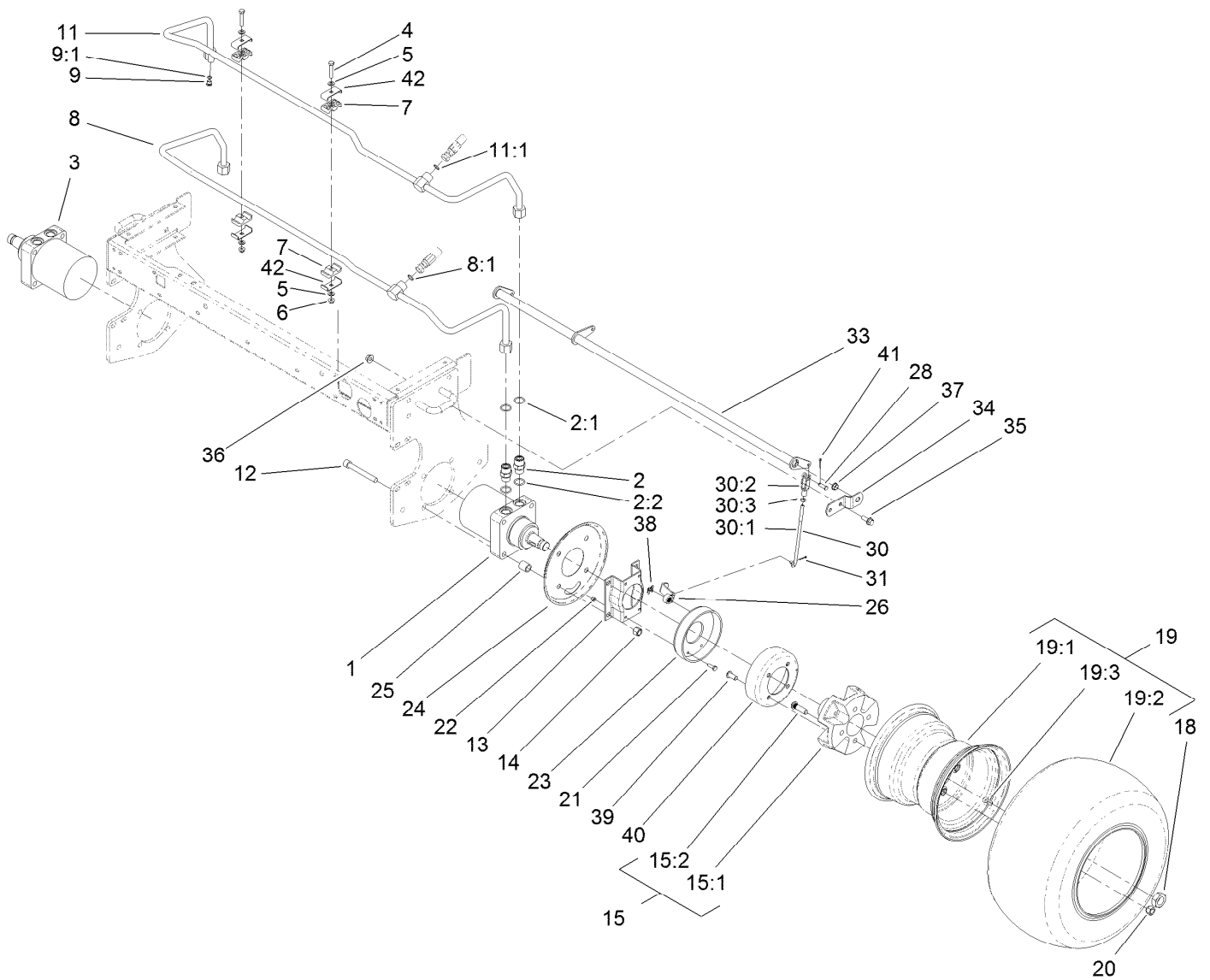
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	121-3639	1	Frame	16	99-3432-03	1	End-Toolbox, LH
1:2	32148-8	2	Nut-Clinch	18	3234-5	2	Screw-HHF
1:3	32148-6	2	Nut-Clinch	19	127-8493	1	ROPS ASM
1:4	133-8062	1	Decal-Arrestor, Spark	19:2	127-8596	1	Decal-ROPS
1:5	117-3270	2	Decal-Danger	20	117-3176	4	Screw-HHF
2	95-8568-03	1	Frame-Lower	23	104-7050	1	Tube-Manual
4	3234-38	8	Screw-HHF	24	2412-133	2	Clamp-R
5	32128-49	12	Nut-HHF	25	32144-70	2	Screw-HWHTF
6	99-3375-03	1	Step	26	3256-23	2	Washer-Plain
7	2412-72	2	Clip-Closed, Insulated	28	2412-108	1	Clamp-Worm
8	95-8615	1	Tube-Breather	29	121-3607	1	Decal-Service
9	32128-33	6	Nut-HF	32	99-3503	1	Indicator-Angle
10	32144-10	10	Screw-HWH	33	104-7048	1	Cap-Housing
11	3229-11	2	Screw-CARR	34	119-2034	1	Hinge-Toolbox
12	3234-13	4	Screw-HHF	35	119-6906	4	Screw-HSBH
13	119-2029	1	Toolbox Cover ASM	36	3296-42	4	Nut-Lock, NI
13:1	121-3623	1	Decal-Danger	39	117-2378	1	Holder-Bag
14	99-3430-03	1	Bottom-Toolbox	40	32144-1	2	Screw-Tapitite
15	99-3431-03	1	End-Toolbox, RH				



Front Wheel and Brake Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	110-8785	1	HYD Motor ASM (CCW)	15		2	Wheel Hub/Stud ASM ●
2	340-7	4	Fitting-Straight	15:1	104-0462	1	Hub-Wheel, Spacer
2:1	237-65	1	O-Ring	15:2	10-6830	4	Stud-Type, Drive
2:2	237-80	1	O-Ring	18	26-3790	2	Nut-Lock
3	110-8786	1	HYD Motor ASM (CW)	19		2	Tire And Rim ASM ●
4	322-9	2	Screw-HH	19:1	121-3548	1	Rim
5	3256-23	4	Washer-Plain	19:2	117-5125	1	Tire
6	3296-29	2	Nut-Lock, NI	19:3	232-27	1	Stem-Valve
7	56-7971	4	Clamp-Tube	20	242-50	8	Nut-Lug
8	95-8783	1	Tube ASM	21	321-5	8	Screw-HH
8:1	237-65	1	O-Ring	22	3296-42	8	Nut-Lock, NI
9	353-990	1	Plug ASM	23	104-7705	2	Brake ASM
9:1	237-78	1	O-Ring	24	104-0485-03	2	Shield-Wheel
11	95-8784	1	Tube ASM	25	119-8238	8	Spacer-Deck Pulley
11:1	237-65	1	O-Ring	26	114-2726	2	Lever-Brake
12	3274-99	8	Screw-HSH	28	283-1	2	Pin-Clevis
13	84-2000-03	2	Bracket-Brake	30	115-6672	2	Brake Lever ASM
14	3296-23	8	Nut-Lock, NI	30:1	104-4627	1	Rod-Adjusting

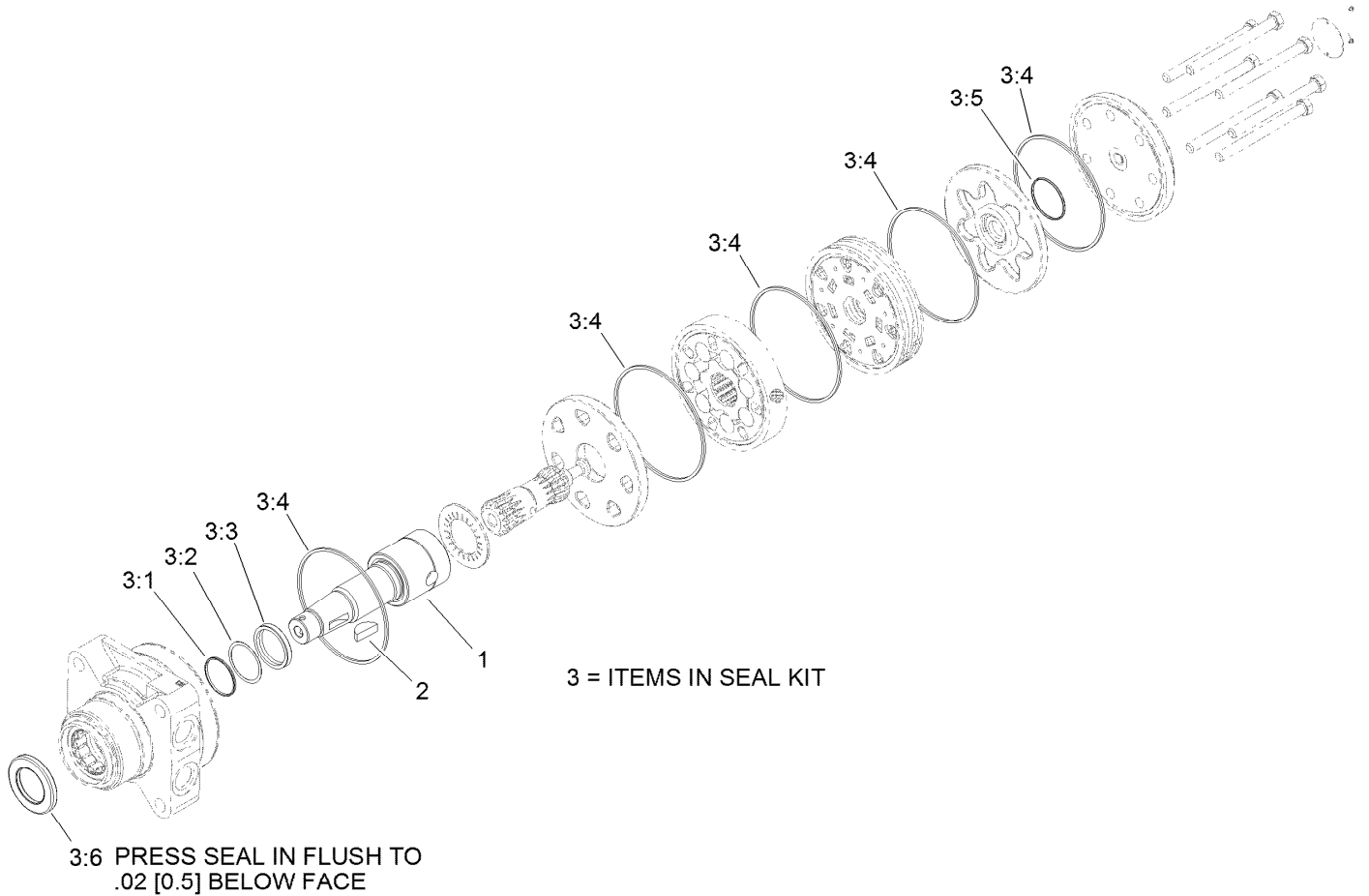
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Front Wheel and Brake Assembly (continued)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
30:2	1-303105	1	Yoke-Adjustable	37	256-156	2	Bushing-Flange
30:3	3220-2	1	Nut-Jam	38	104-7706	2	E-Ring, Bowed
31	3272-6	2	Pin-Cotter	39	3274-105	8	Screw-HSBH
33	104-4625-03	1	Shaft-Pivot, Brake	40	104-4809	2	Drum-Brake
34	95-8683	2	Bracket-Pivot, Brake	41	3272-10	2	Pin-Cotter
35	3234-11	4	Screw-HHF	42	119-1419	4	Plate-Clamp
36	32128-43	4	Nut-Flange				

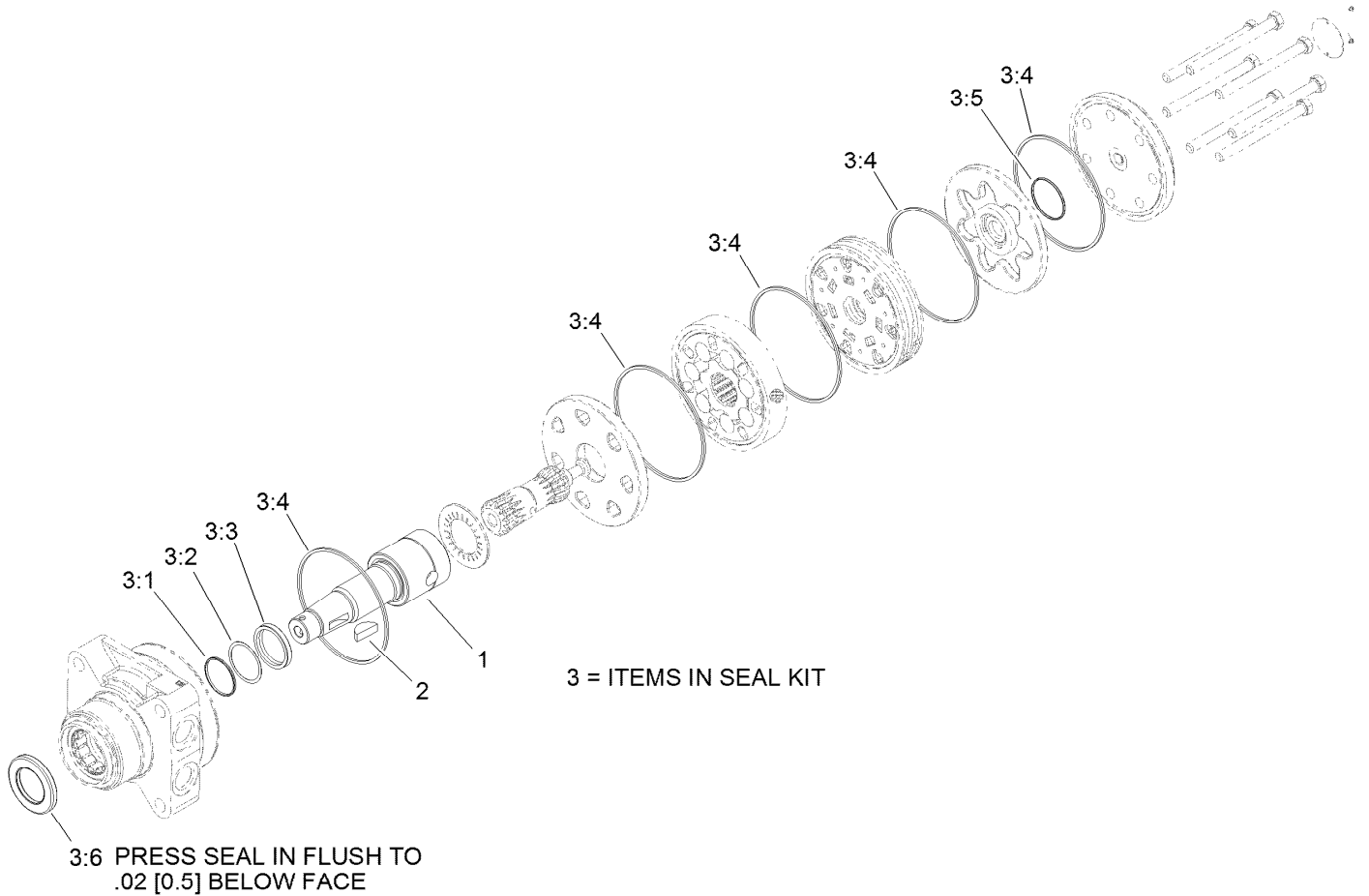
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Hydraulic Motor Assembly No. 110-8786

Ref.	Part Number	Qty.	Description
1	3257-42	1	Key-Woodruff
2	99-3090	1	Shaft-Coupling
3	100-6131	1	Seal Kit
3:1		1	Ring-Back Up ●
3:2		1	Washer-Back Up ●
3:3		1	Seal-Shaft ●
3:4		5	Seal-Ring ●
3:5		1	Seal-Commutator ●
3:6		1	Seal-Dirt And Water ●

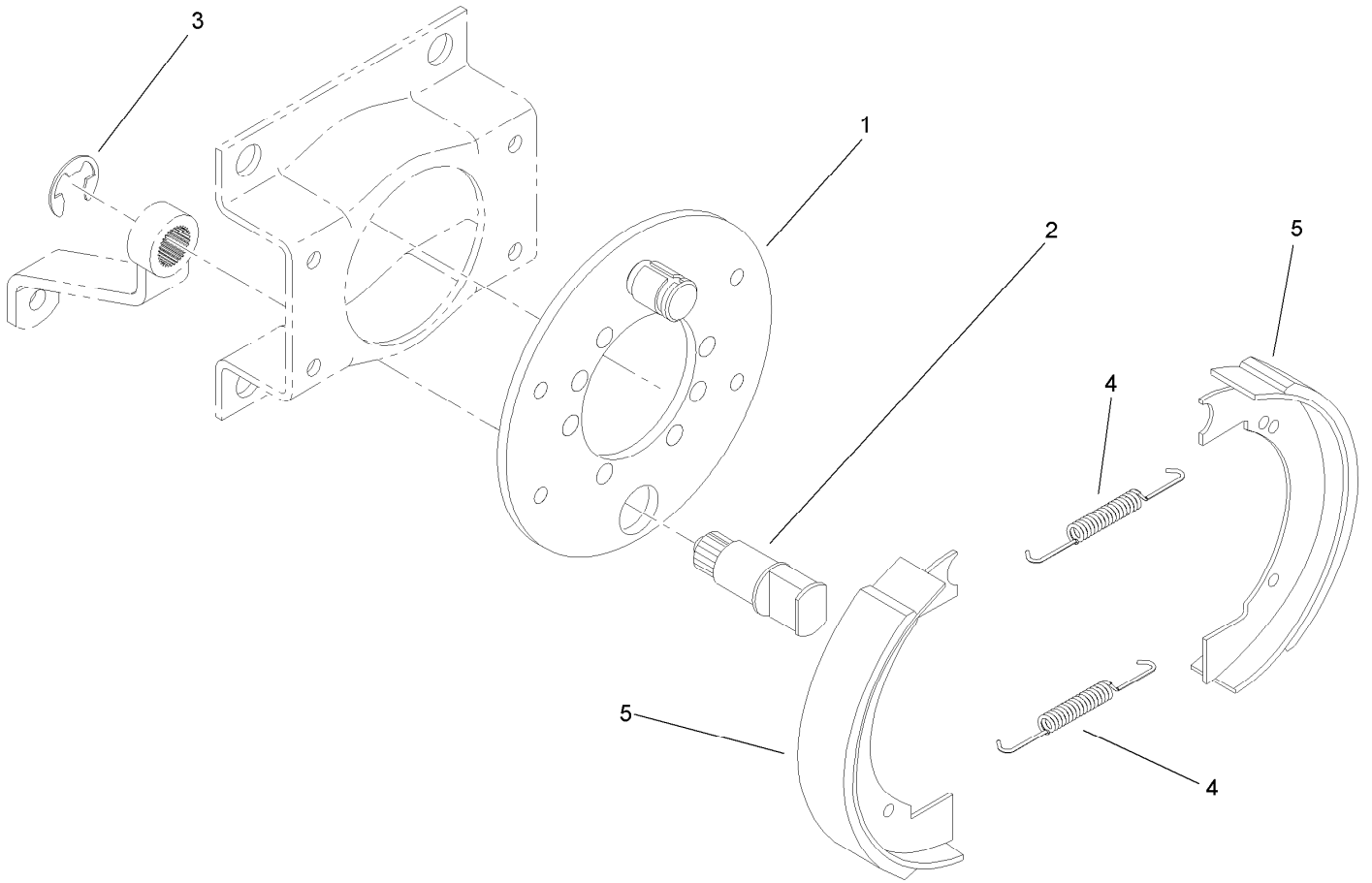
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Hydraulic Motor Assembly No. 110-8785

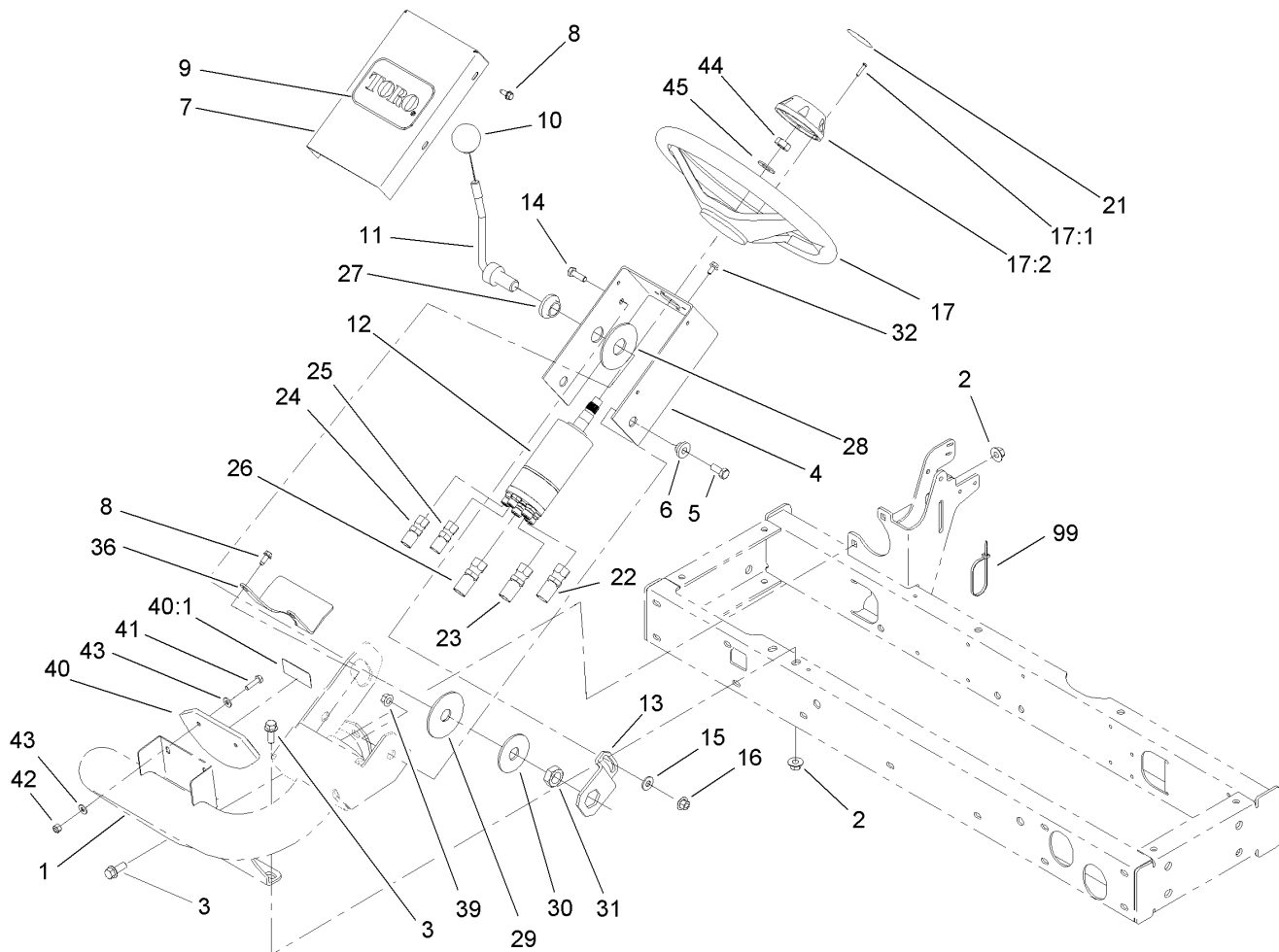
Ref.	Part Number	Qty.	Description
1	3257-42	1	Key-Woodruff
2	99-3090	1	Shaft-Coupling
3	100-6131	1	Seal Kit
3:1		1	Ring-Back Up ●
3:2		1	Washer-Back Up ●
3:3		1	Seal-Shaft ●
3:4		5	Seal-Ring ●
3:5		1	Seal-Commutator ●
3:6		1	Seal-Dirt And Water ●

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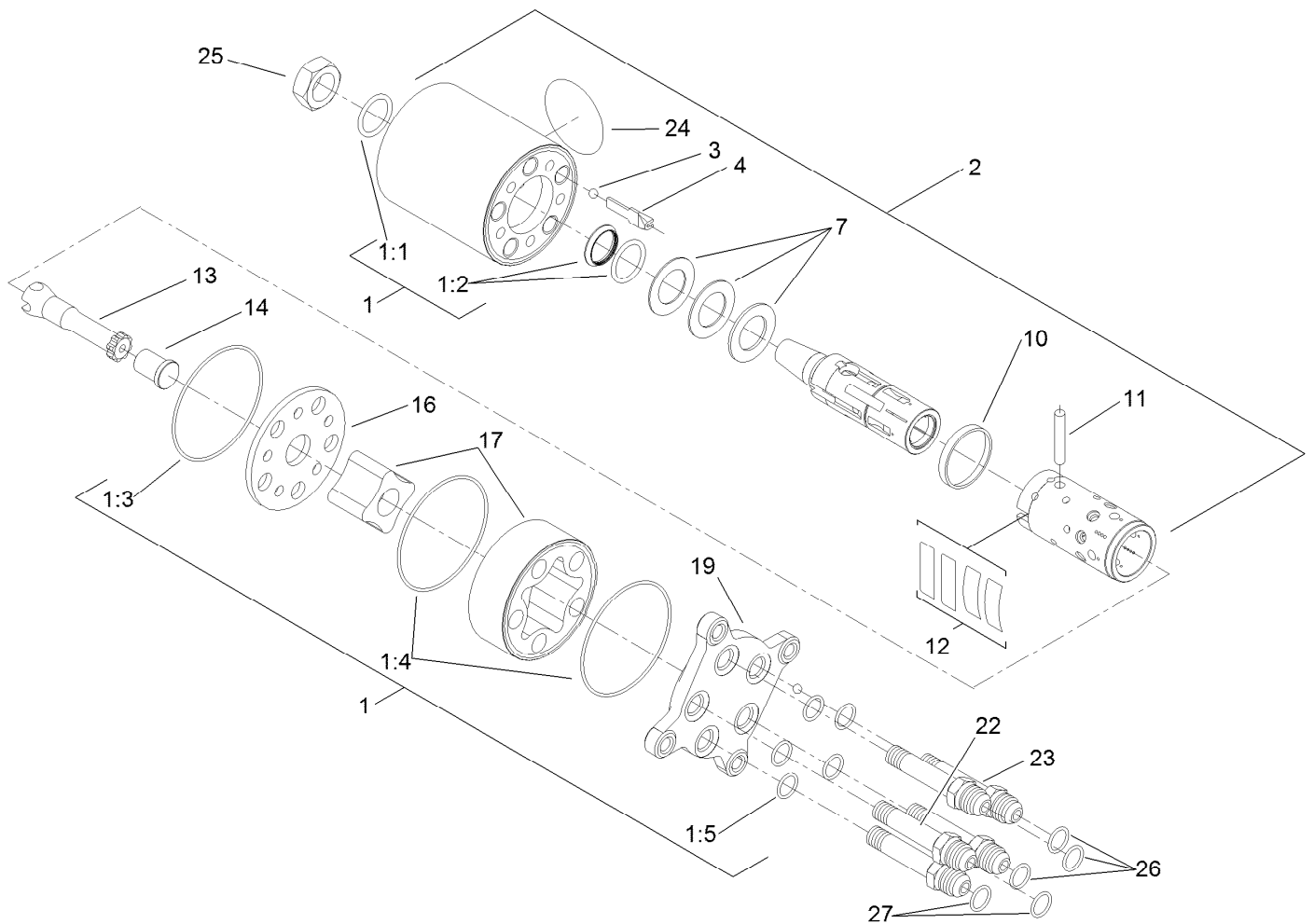
Brake Assembly No. 104-7705

<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

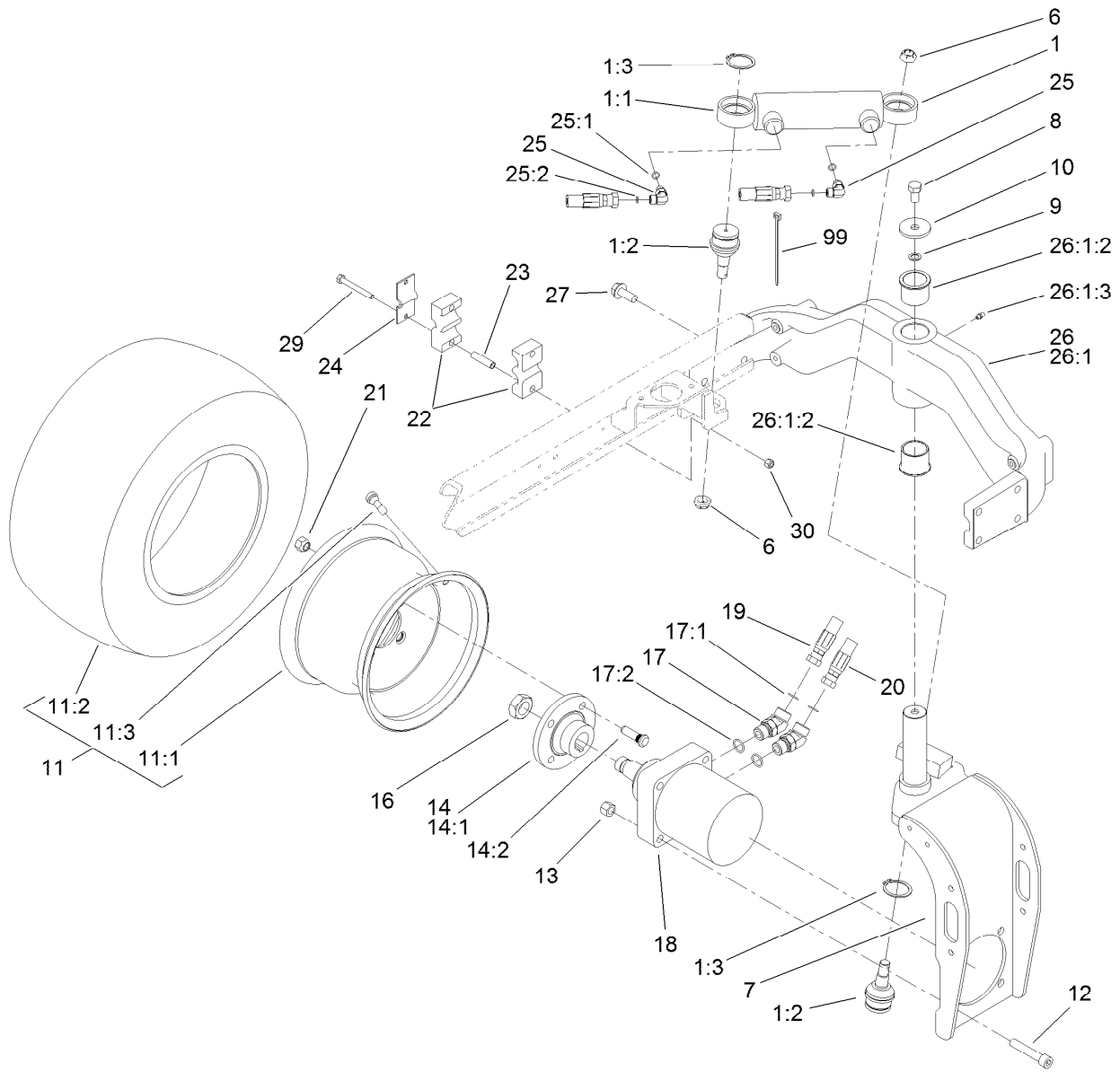
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	105-8536-01	1	Arm-Steering	23	95-8843	1	Hose-HYD
2	32128-43	4	Nut-Flange	24	95-8844	1	Hose ASM
3	3234-11	4	Screw-HHF	25	95-8845	1	Hose ASM
4	104-5185-01	1	Bracket-Valve, Steering	26	95-8846	1	Hose-HYD
5	323-5	2	Screw-HH	27	99-3502	1	Boss
6	93-5988	2	Hub-Pivot	28	31-0390	1	Disc-Friction
7	95-8794-01	1	Cover-Valve, Steering	29	82-9010	1	Disc-Friction
8	32144-10	5	Screw-HWH	30	80-2930	1	Washer-Flat
9	67-1300	1	Decal	31	3218-7	1	Nut-Jam
10	233-48	1	Knob	32	33103-012	4	Screw-HHF
11	95-8798-03	1	Lever-Steering	36	99-3405-01	1	Shield-Steering
12	121-7856	1	Steering Valve ASM	39	32128-21	2	Nut-HF Lock
13	80-2880	1	Bracket-Tilt	40	100-4929	1	Slope Indicator ASM
14	322-5	1	Screw-HH	40:1	121-3598	1	Decal-Danger, 17 Degree
15	3256-3	1	Washer-Flat	40:1	121-3628	1	Decal-Angle
16	32128-44	1	Nut	41	321-7	2	Screw-HH
17	75-0560	1	Steering Wheel ASM	42	3296-42	2	Nut-Lock, NI
17:1	32144-21	1	Screw	43	3256-22	4	Washer-Flat
17:2	68-5140	1	Cap-Wheel, Steering	44	3296-33	1	Nut-Lock, NI
21	68-5370	1	Decal	45	3256-27	1	Washer-Flat
22	95-8842	1	Hose-HYD	99	3290-378	2	Tie-Cable



Steering Valve Assembly No. 121-7856

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	106-6716	1	Seal Kit	12		1	Springs ●
1:1		1	Ring-Seal, Dust ●	13		1	Shaft ●
1:2		1	Seal-Shaft ●	14		1	Spacer ●
1:3		1	O-Ring ●	16		1	Plate-Distributor ●
1:4		2	O-Ring ●	17		1	Gearwheel Set ●
1:5		5	O-Ring ●	19		1	Cover-End ●
2		1	Housing ●	22		1	Screw-Special ●
3		1	Ball ●	23		4	Screw-Special ●
4		1	Stop-Ball ●	24		1	Plate-Name ●
7		1	Bearing ASM ●	25	3296-33	1	Nut-Lock, NI
10		1	Ring ●	26	237-22	3	O-Ring
11		1	Pin-Cross ●	27	237-21	2	O-Ring

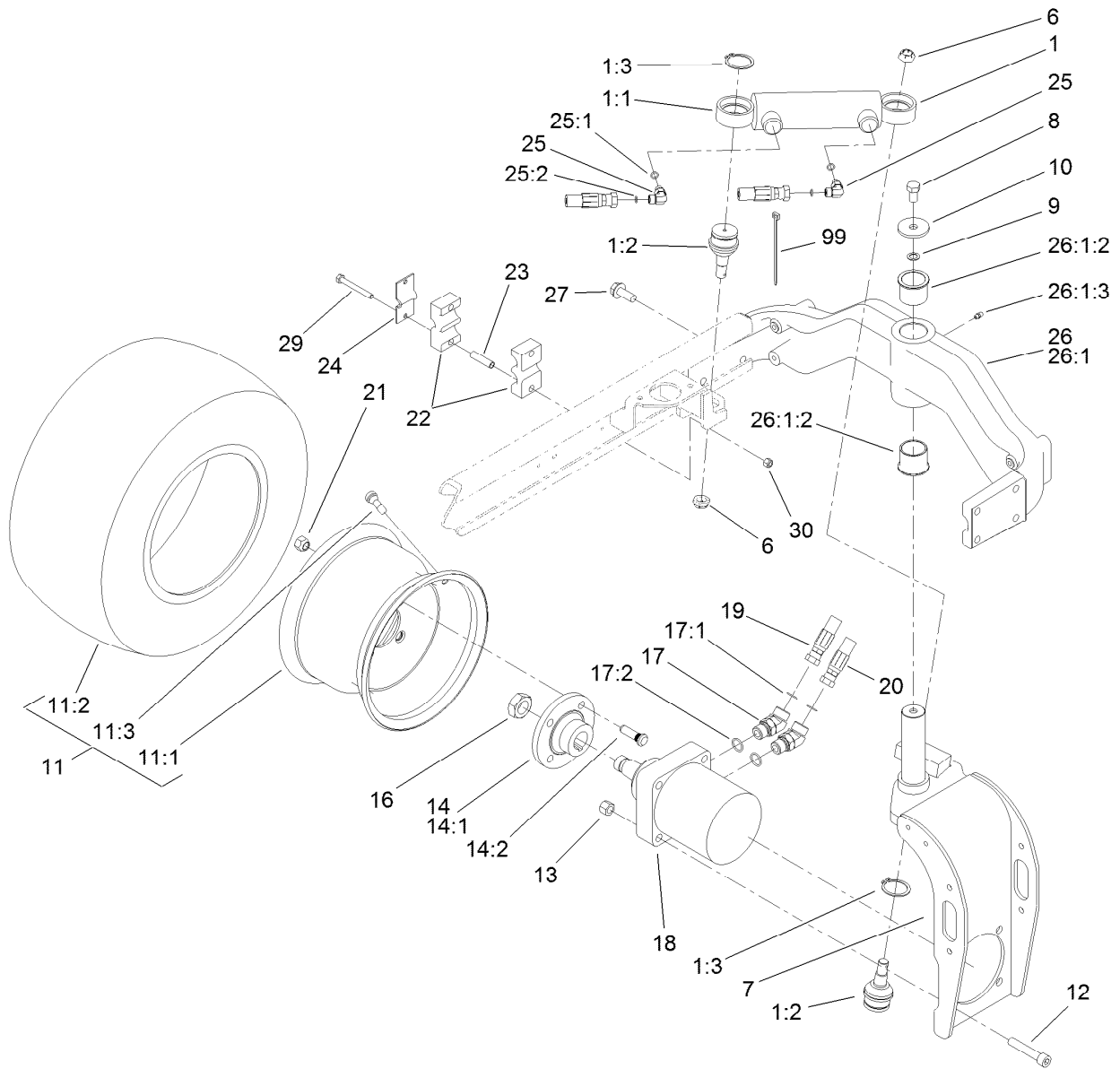
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Rear Fork and Tire Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1		1	Steering Cylinder ASM ●	16	26-3790	1	Nut-Lock
1:1	94-8141	1	HYD Cylinder ASM	17	340-14	2	Fitting-HYD, 45 DEG
1:2	121-3605	2	Ball Joint	17:1	237-65	1	O-Ring
1:3	32151-104	2	Ring-Retaining, External	17:2	237-80	1	O-Ring
6	121-3611	2	Nut-Hex, Flextop	18	95-8694	1	HYD Motor ASM
7	95-8905-01	1	Fork-Rear	19	105-1221	1	Hose ASM
8	325-3	1	Screw-HH	20	105-1222	1	Hose ASM
9	3255-2	1	Washer-Lock, EXT	21	242-50	4	Nut-Lug
10	75-7730	1	Washer-Thrust	22	82-8170	2	Clamp
11		1	Wheel And Tire ASM ●	23	93-7960	2	Spacer
11:1	117-5129	1	Rim	24	93-7961	1	Clamp-Drain, Case
11:2	115-1572	1	Tire	25	340-132	2	Fitting-Elbow, 90 DEG
11:3	232-27	1	Stem-Valve	25:1	237-78	1	O-Ring
12	3274-93	4	Screw-HSH	25:2	237-21	1	O-Ring
13	3296-23	4	Nut-Lock, NI	26	107-7828-03	1	Casting-Rear
14		1	Wheel Hub/Stud ASM ●	26:1		1	Rear Casting ASM ●
14:1	10-6870-03	1	Hub-Wheel	26:1:2	95-8805	2	Bushing
14:2	10-6830	4	Stud-Type, Drive	26:1:3	302-5	1	Fitting-Grease

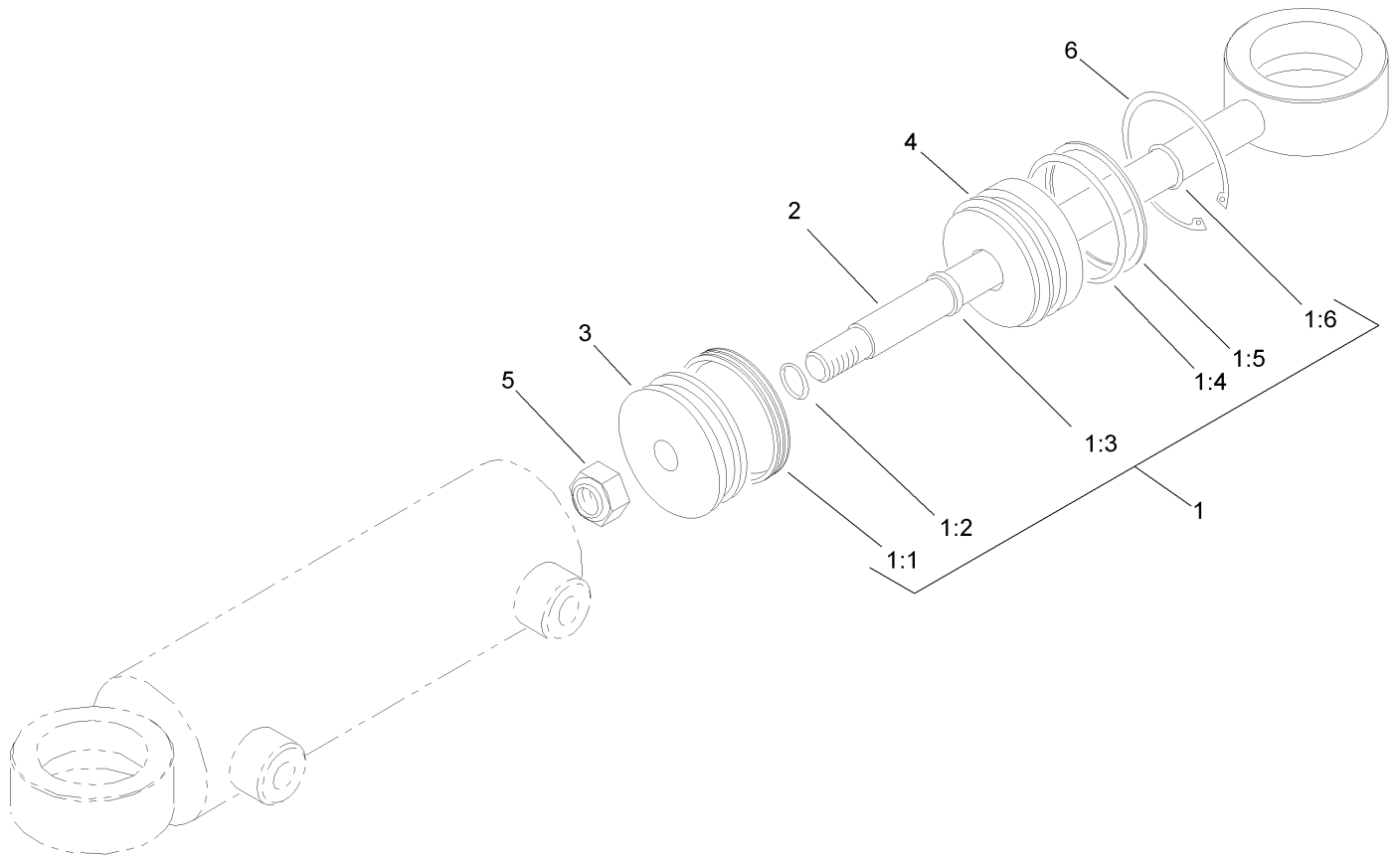
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Rear Fork and Tire Assembly (continued)

<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>
27	3234-38	8	Screw-HHF	30	3296-29	2	Nut-Lock, NI
29	322-13	2	Screw-HH	99	3290-378	5	Tie-Cable

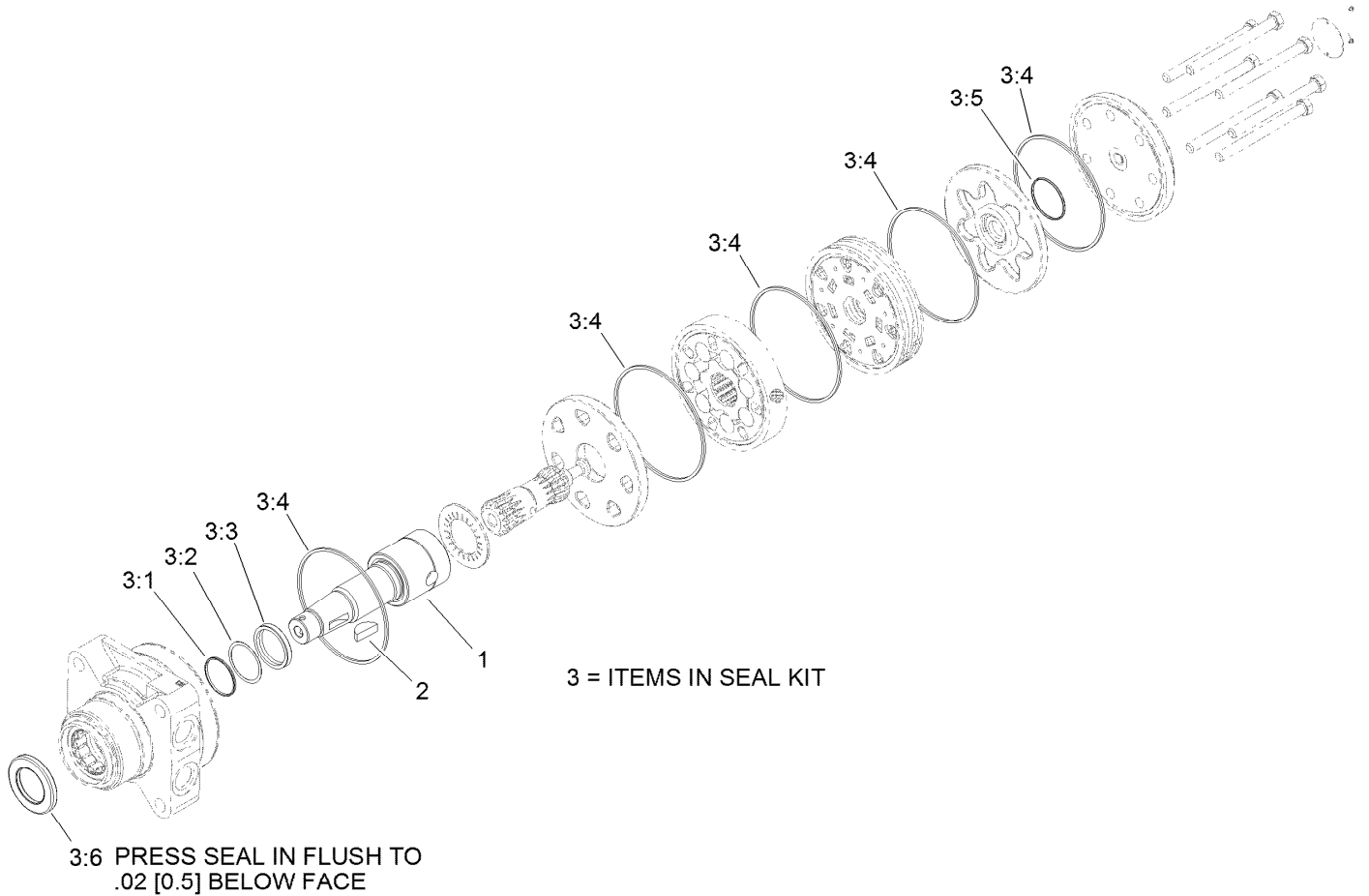
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Hydraulic Cylinder Assembly No. 94-8141

<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	O-Ring ●
1:3		1	Seal-Rod ●
1:4		1	O-Ring ●
1:5		1	Ring-Backup ●
1:6		1	O-Ring ●
2		1	Rod ●
3		1	Piston ●
4		1	Gland ●
5		1	Nut-Lock ●
6		1	Ring-Retaining ●

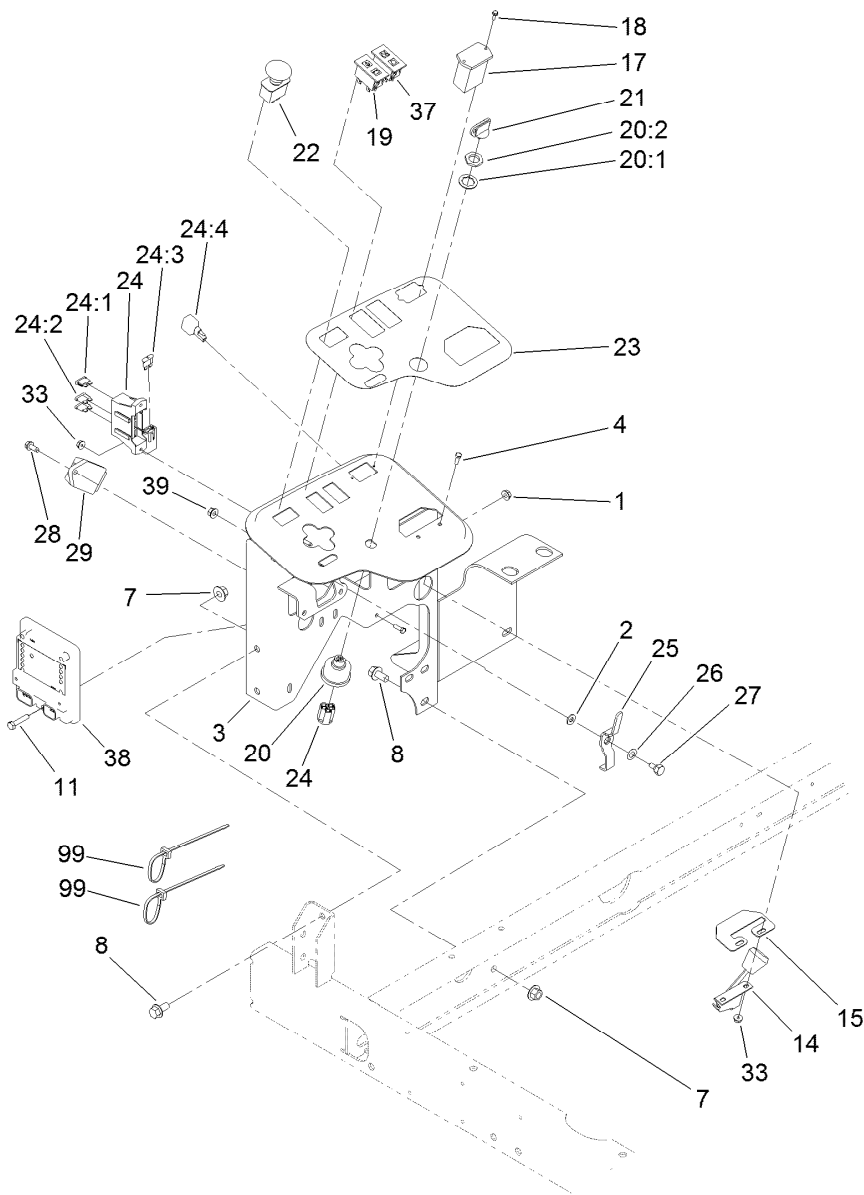
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Hydraulic Motor Assembly No. 95-8694

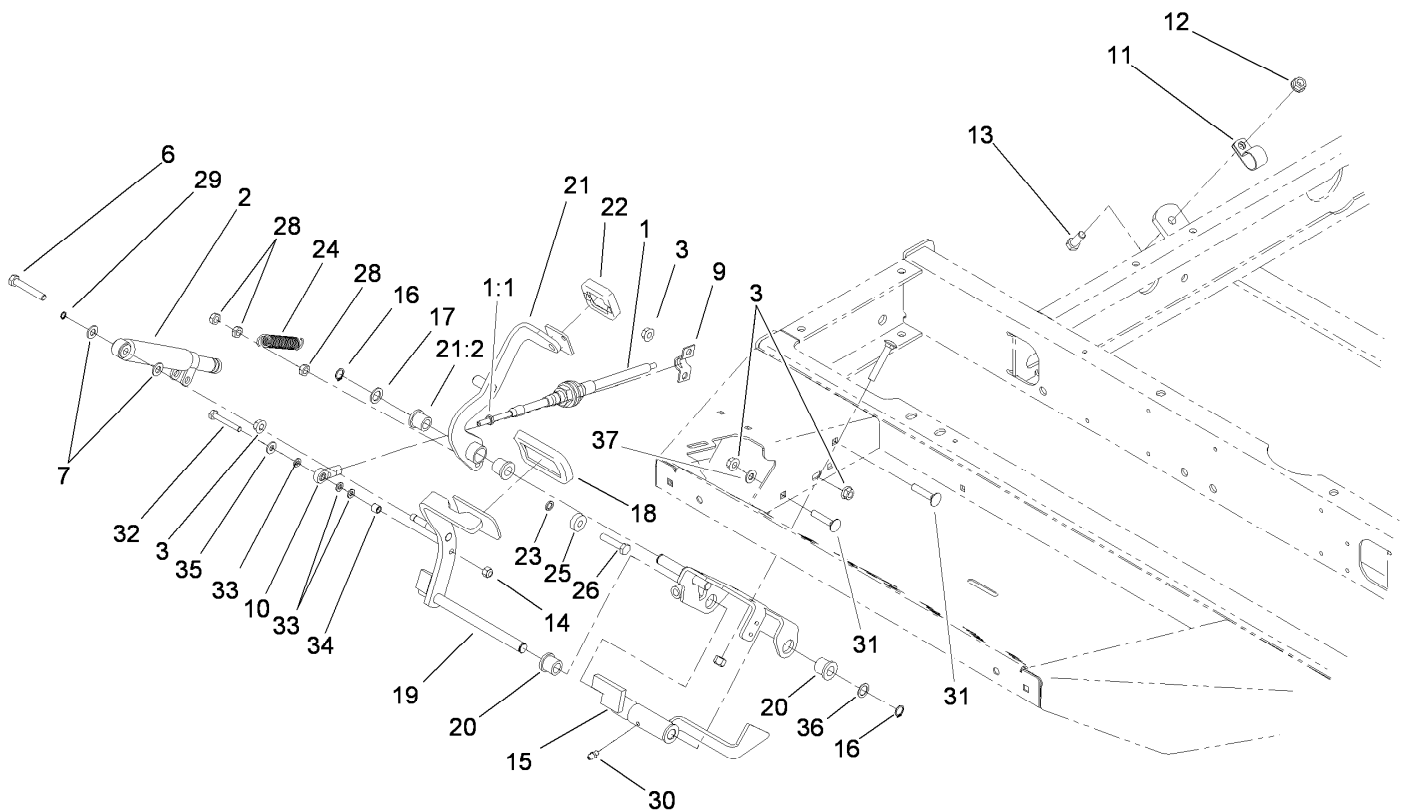
Ref.	Part Number	Qty.	Description
1	99-3090	1	Shaft-Coupling
2	3257-42	1	Key-Woodruff
3	100-6131	1	Seal Kit
3:1		1	Ring-Back Up ●
3:2		1	Washer-Back Up ●
3:3		1	Seal-Shaft ●
3:4		5	Seal-Ring ●
3:5		1	Seal-Commutator ●
3:6		1	Seal-Dirt And Water ●

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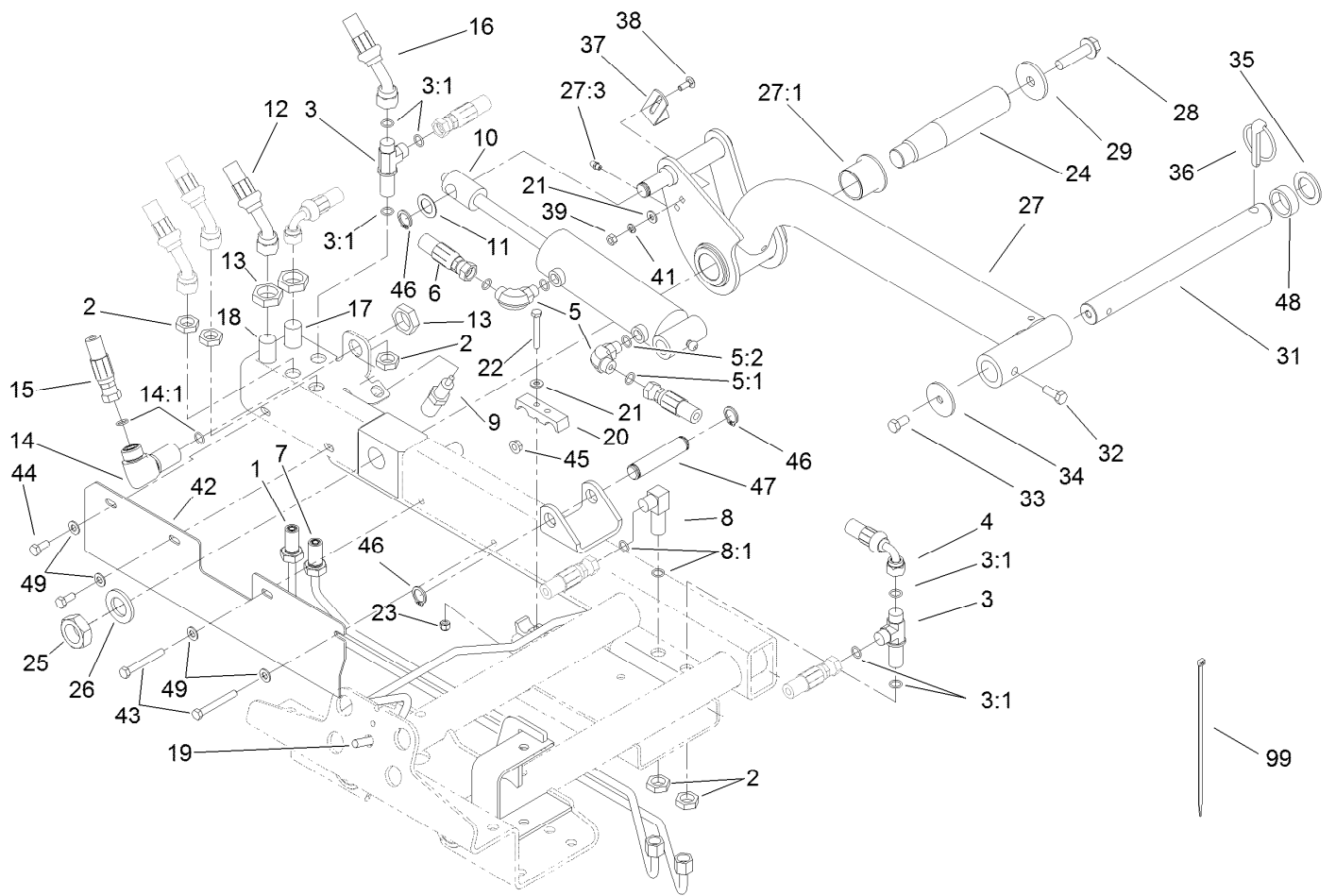
Control Panel Assembly

<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	32128-33	3	Nut-HF	23	121-3619	1	Decal-Console
2	3256-22	1	Washer-Flat	24	122-0258	1	Harness-Wire
3	115-3496-03	1	Panel-Control	24:1	218-578	1	Fuse-Blade, 10 Amp
4	3290-134	4	Screw	24:2	109355	1	Fuse-Blade, 15 Amp
7	32128-43	5	Nut-Flange	24:3	94-6710	1	Fuse-2 Amp
8	3234-1	5	Screw-HHF	24:4	100-4918	1	Diode
11	321-8	3	Screw-HH	25	99-3401	1	Lever-Lock
14	138-1224	1	Cable-Throttle	26	3290-477	1	Washer-Curved
15	104-0421	1	Plate-Stop, Throttle	27	63-3410	1	Screw-Shoulder
17	75-6820	1	Hourmeter	28	32144-10	1	Screw-HWH
18	32144-18	2	Screw-HWH	29	98-7611	1	Controller-Glow
19	100-8070	1	Lamp-Warning	33	3290-148	4	Nut-HF
20	104-2541	1	Ignition Switch ASM	37	100-8071	1	Lamp-Warning
20:1	218-461	1	Nut-HH	38	106-9277	1	Module-Control, Standard
20:2	3254-5	1	Washer-Lock	39	32128-32	1	Nut-HHF
21	63-8360	1	Key-Ignition	99	3290-378	3	Tie-Cable
22	93-9999	1	Switch-PTO	99	3290-379	4	Tie-Cable



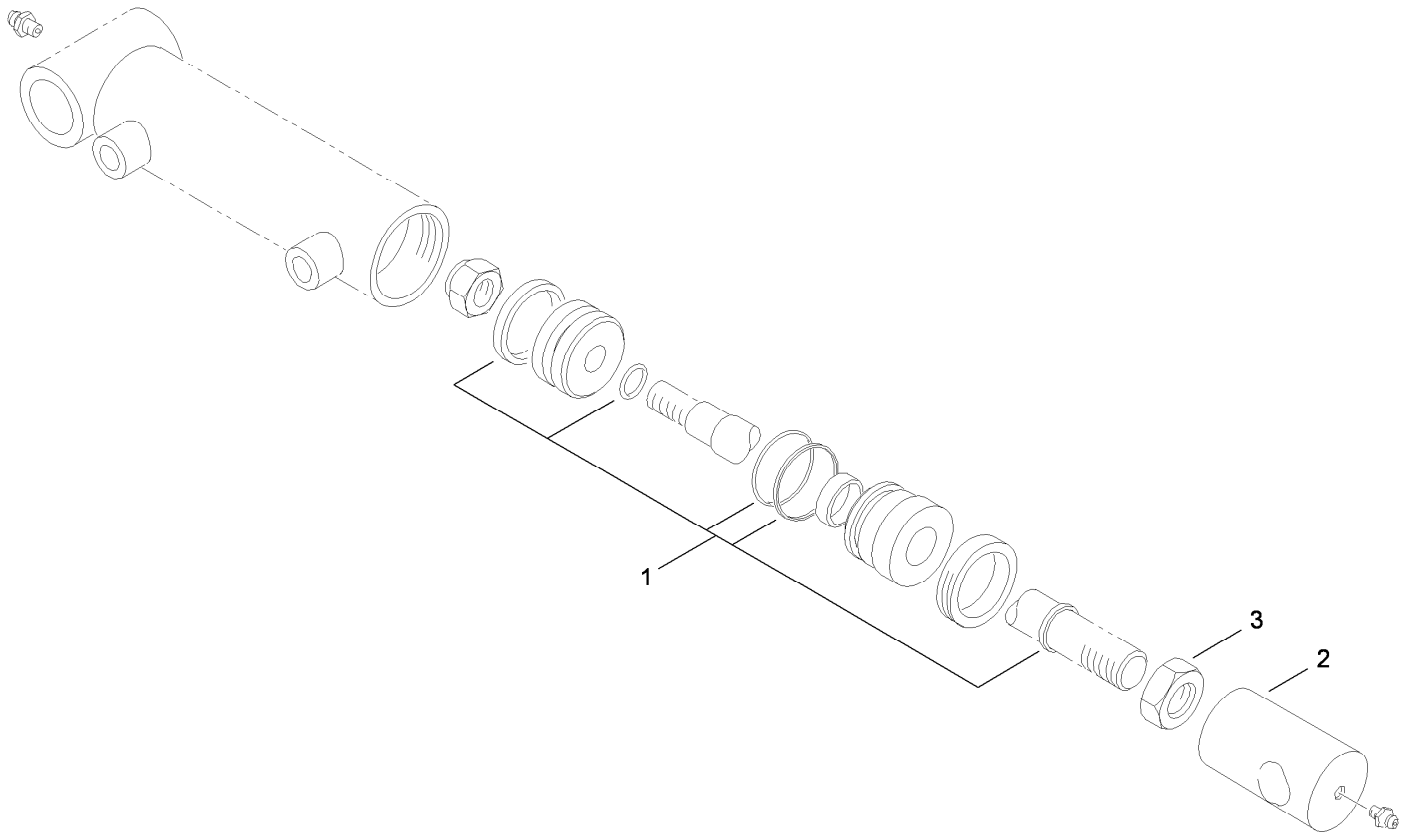
Traction Pedal Assembly

<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	21	99-3379	1	Pedal-Reverse ASM
1:1	3220-1	2	Nut-Jam	21:2	256-243	2	Bearing-Flange
2	76-8870	1	Damper-Lever	22	74-9110	1	Pad-Pedal, Reverse
3	32128-20	5	Nut-HF	23	75-5470	1	Spacer-Bearing
6	322-10	1	Screw-HH	24	99-3476	1	Spring-Extension
7	3256-23	2	Washer-Plain	25	251-259	1	Bearing-Ball
9	93-2092	1	Clamp-Cable	26	322-7	1	Screw-HH
10	2411-41	1	Rod End-Ball Joint	28	3296-47	3	Nut-Lock,NI
11	2412-41	1	Clamp-R	29	32151-3	1	Ring-Grip
12	3290-357	1	Nut-HHF, Whiz	30	302-5	1	Fitting-Grease
13	323-6	1	Screw-HH	31	3230-27	1	Screw-CARR
14	3296-42	1	Nut-Lock, NI	32	321-10	1	Screw-HH
15	95-8861	1	Slide	33	33093-00	3	Washer-Flat
16	32151-84	2	Ring-Shaft, EXT	34	99-3545	1	Spacer
17	41-8440	1	Washer	35	3256-22	1	Washer-Flat
18	74-9100	1	Pad-Pedal, Forward	36	73-0040	4	Washer-Thrust
19	104-4852-03	1	Pedal-Traction	37	3256-24	1	Washer-Flat
20	256-243	2	Bearing-Flange				



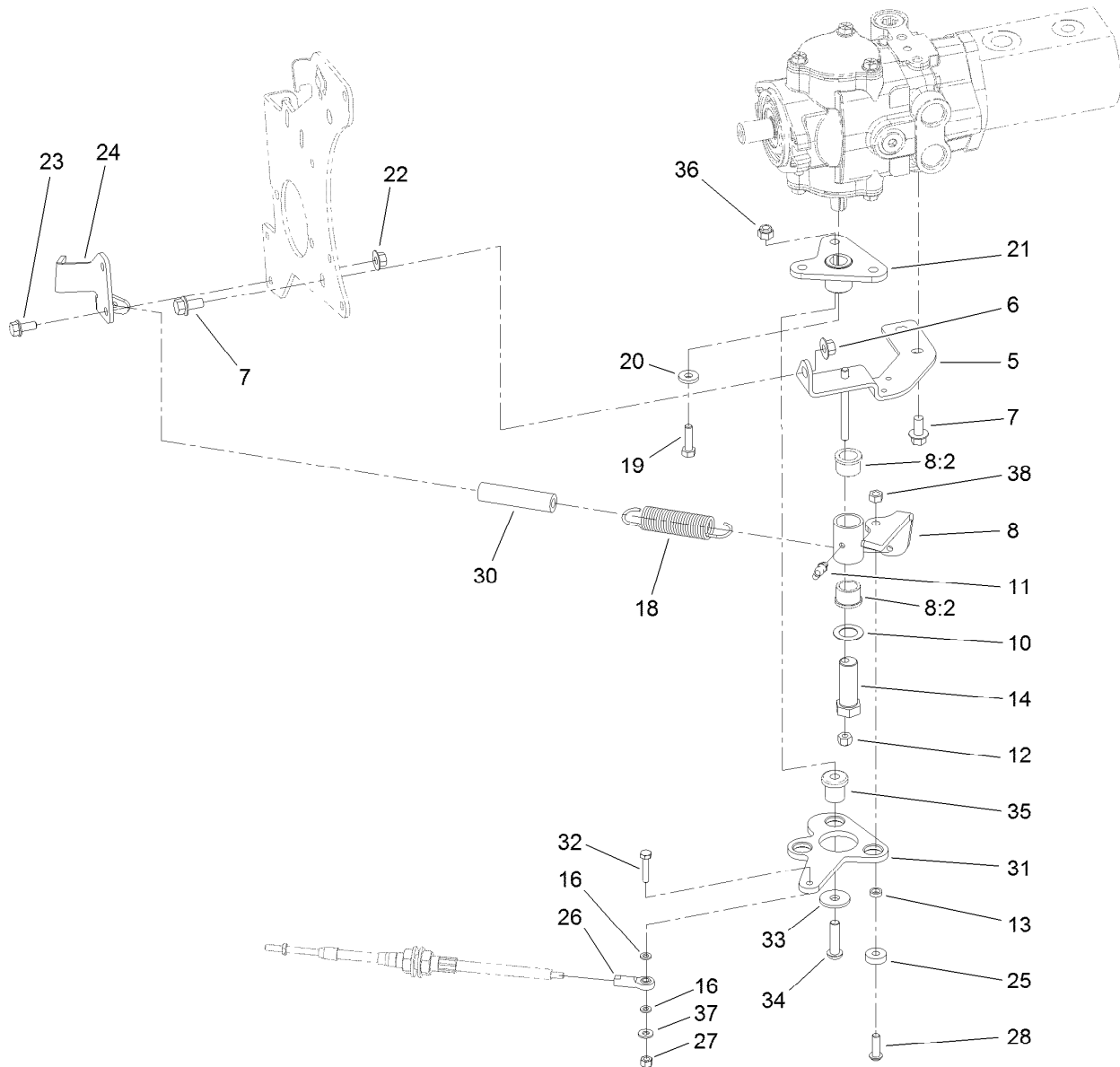
Rear Lift Arm Assembly (continued)

<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>
37	95-8613	1	Bracket-Switch	45	32128-20	4	Nut-HF
38	3229-1	2	Screw-CARR	46	32120-93	3	Ring-Retaining
39	3217-5	2	Nut-Hex	47	95-8575	1	Pin-Clevis
41	3253-3	2	Washer-Lock	48	63-0070	1	Spacer
42	121-3616-03	1	Guard	49	3256-23	4	Washer-Plain
43	322-12	2	Screw-HH	99	3290-379	1	Tie-Cable
44	322-3	2	Screw-HH				



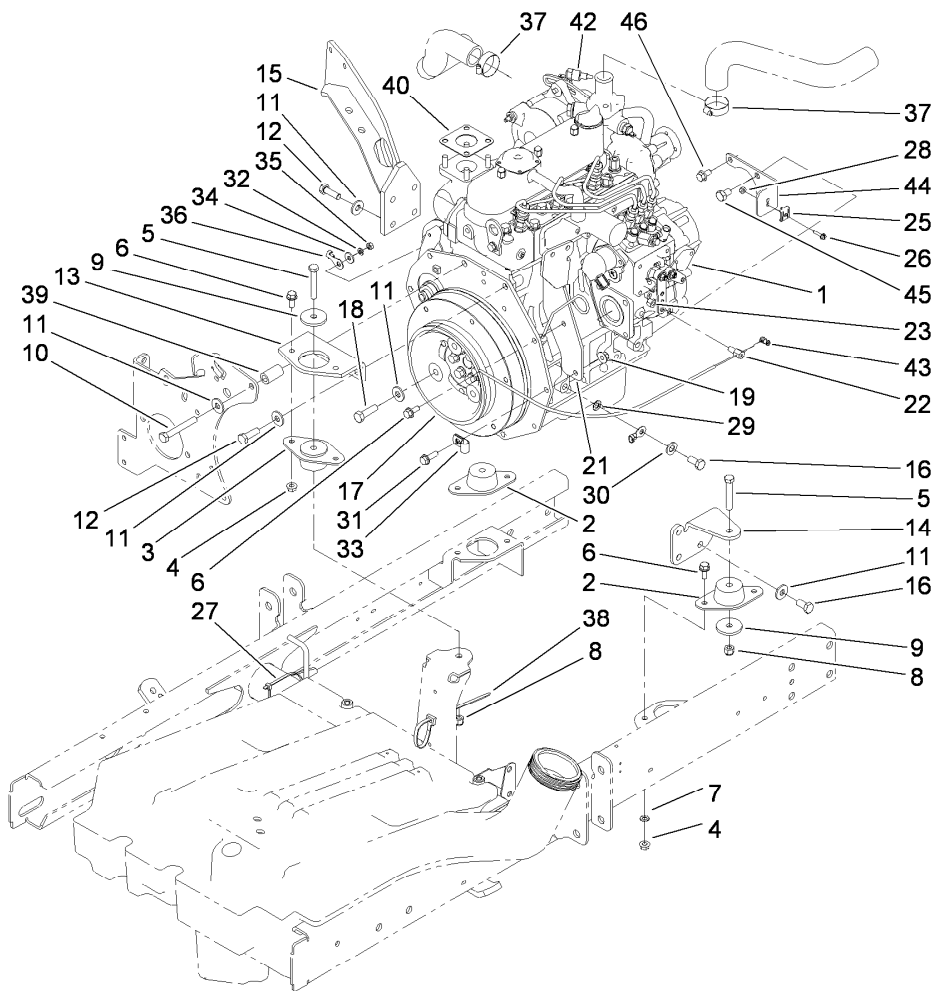
Hydraulic Cylinder Assembly No. 112-9916

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	115-3410	1	Seal Kit
2	108-9035	1	Clevis
3	3220-7	1	Nut-Jam



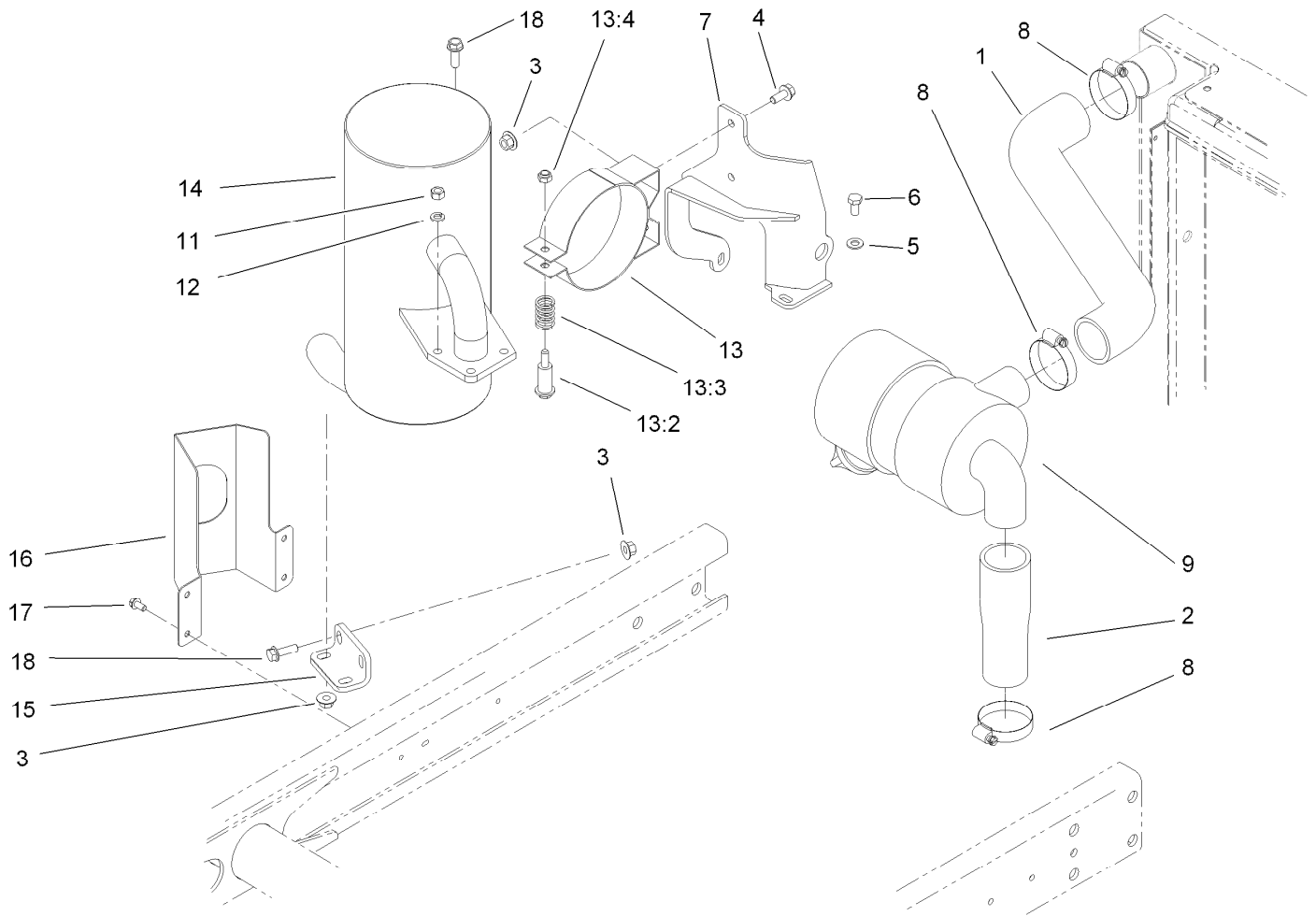
Neutral Arm Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
5	95-8960-03	1	Bracket-Neutral	23	3234-5	2	Screw-HHF
6	32128-43	1	Nut-Flange	24	104-0464-03	1	Bracket-Support, Cable
7	3234-1	3	Screw-HHF	25	251-259	1	Bearing-Ball
8	104-0422	1	Neutral Arm ASM	26	2411-41	1	Rod End-Ball Joint
8:2	256-113	2	Bushing-Flange	27	3296-42	1	Nut-Lock, NI
10	3-6498	1	Washer-Thrust	28	3274-104	1	Screw-HSBH
11	302-60	1	Fitting-Grease	30	99-3556	1	Hose
12	3296-29	1	Nut-Lock, NI	31	99-3594-03	1	Lever-Pump
13	100-4817	1	Spacer	32	321-8	1	Screw-HH
14	76-8640	1	Stud-Traction	33	2844	3	Washer
16	33093-00	2	Washer-Flat	34	95-3857	3	Screw-HSBH
18	94-1369	1	Spring-Extension	35	63-9750	3	Mount
19	3210-6	1	Screw-HH	36	3296-39	3	Nut-Lock, NI
20	88-7200	1	Washer-Flat	37	3256-22	1	Washer-Flat
21	120-5566	1	Hub	38	32153-3	1	Nut-Hex, Side Deform
22	32128-44	2	Nut				



Engine Assembly

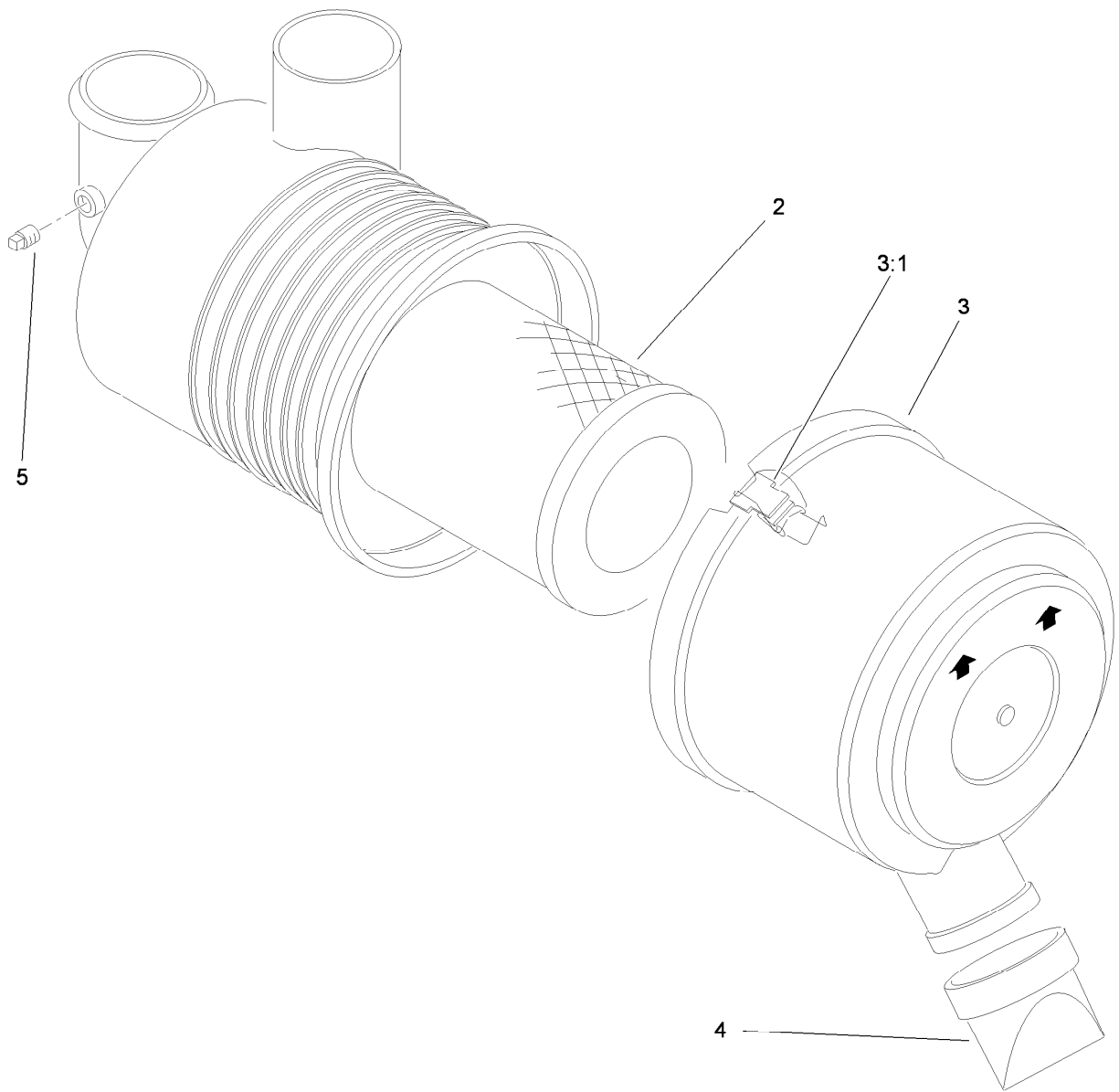
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	132-5235	1	Engine-Kubota, D1105	25	81-1690	1	Clamp-Cable
2	121-9076	2	Mount-Engine	26	32105-13	1	Screw-HWH
3	93-5265	1	Mount-Engine	27	3290-379	2	Tie-Cable
4	32128-20	6	Nut-HF	28	3296-2	1	Nut-Lock, NI
5	323-11	3	Screw-HH	29	3255-9	1	Washer-Lock
6	3234-5	7	Screw-HHF	30	3256-25	1	Washer-Flat
7	3255-8	1	Washer-Lock	31	3234-17	1	Screw-HHF
8	3296-39	3	Nut-Lock, NI	32	3256-78	1	Washer-Flat
9	80-8560	3	Washer-Hardened	33	2412-10	1	Clamp-R
10	42-9370	1	Screw-HH	34	43-5930	1	Washer-Lock, Spring
11	80-6990	12	Washer-Hardened	35	48-7890	1	Nut-Hex
12	95-8812	5	Screw-HH	36	99-3441	1	Harness-Wire, Fusible Link
13	95-8926-03	1	Mount-Engine, Front	37	2412-34	2	Clamp-Hose
14	95-8937-03	1	Mount-Engine, LH	38	3290-378	1	Tie-Cable
15	100-4838-03	1	Mount-Engine	39	95-8736	1	Spacer
16	63-7790	4	Screw-Cap	40	98-9611	1	Gasket
17	99-3412-03	1	Pulley	42	99-3582	1	Thermoswitch
18	56-2140	3	Screw-HH	43	112-9919	1	Stop-Cable, Throttle
19	32128-44	2	Nut	44	110-9009-03	1	Bracket-Cable, Throttle
21	115-3487-03	1	Bracket-Mount, Fuel Filter	45	70-8470	1	Screw-HH
22	98-9311	1	Swivel-Throttle	46	33104-016	1	Screw-HHF
23	3296-20	1	Nut-Lock, NI				



Air Cleaner and Muffler Assembly

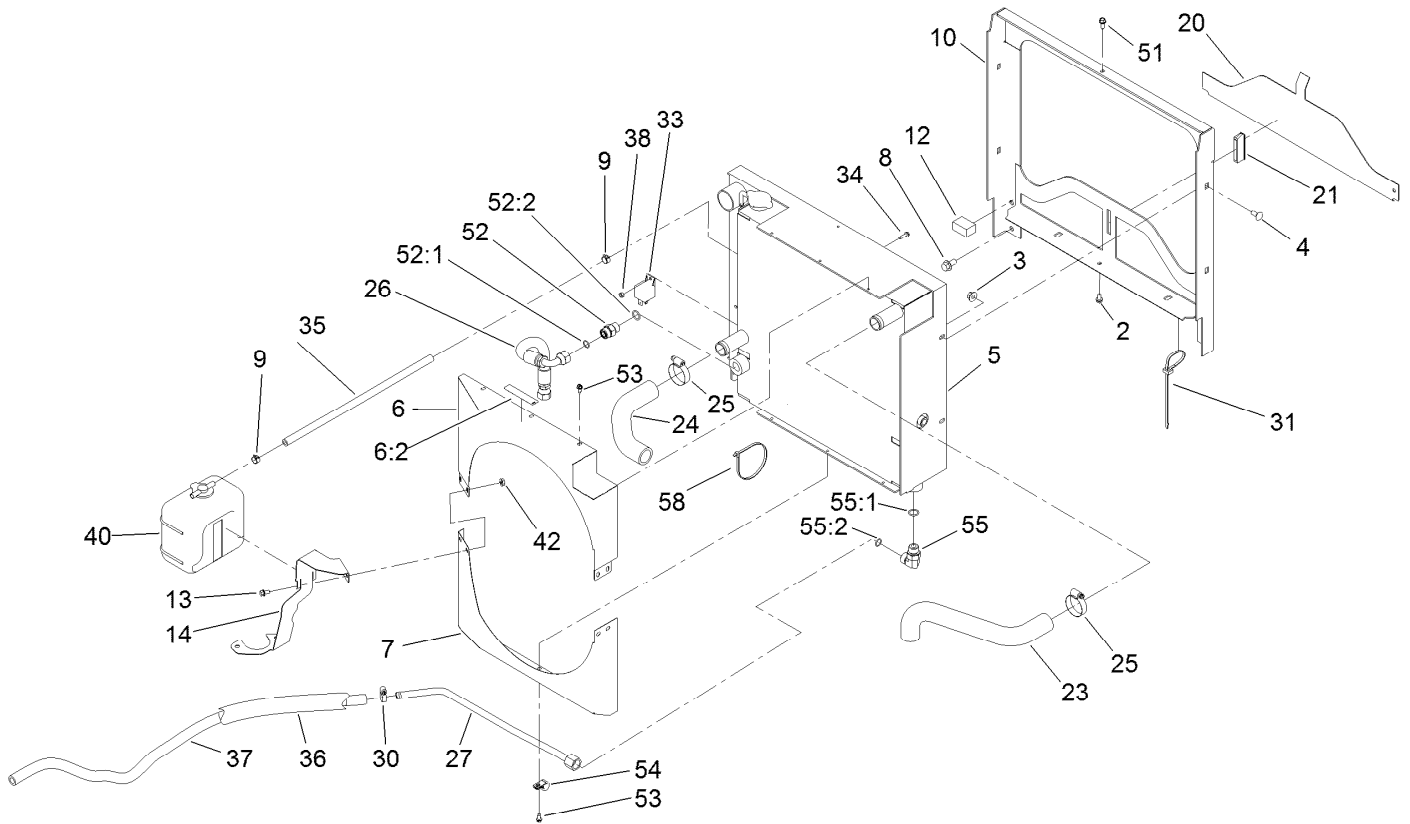
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	95-8946	1	Hose-Upper, Air Inlet
2	95-8947	1	Hose-Air Inlet, Lower
3	32128-44	6	Nut
4	3234-5	3	Screw-HHF
5	3256-23	2	Washer-Plain
6	33114-016	2	Screw-HH
7	99-3355-03	1	Bracket-Filter, Air
8	2412-92	4	Clamp-Hose
9	93-2190	1	Air Cleaner ASM
11	33014-00	4	Nut-Hex
12	3253-4	4	Washer-Lock

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
13	93-2191	1	Air Cleaner Mounting Band ASM
13:2	94-3653	1	Bolt
13:3	94-3654	1	Spring
13:4	48-9510	1	Nut
14	104-4834	1	Muffler
15	95-8943-03	1	Bracket-Muffler
16	99-3425-03	1	Guard-Exhaust
17	32144-4	4	Screw-HWH
18	3234-17	3	Screw-HHF



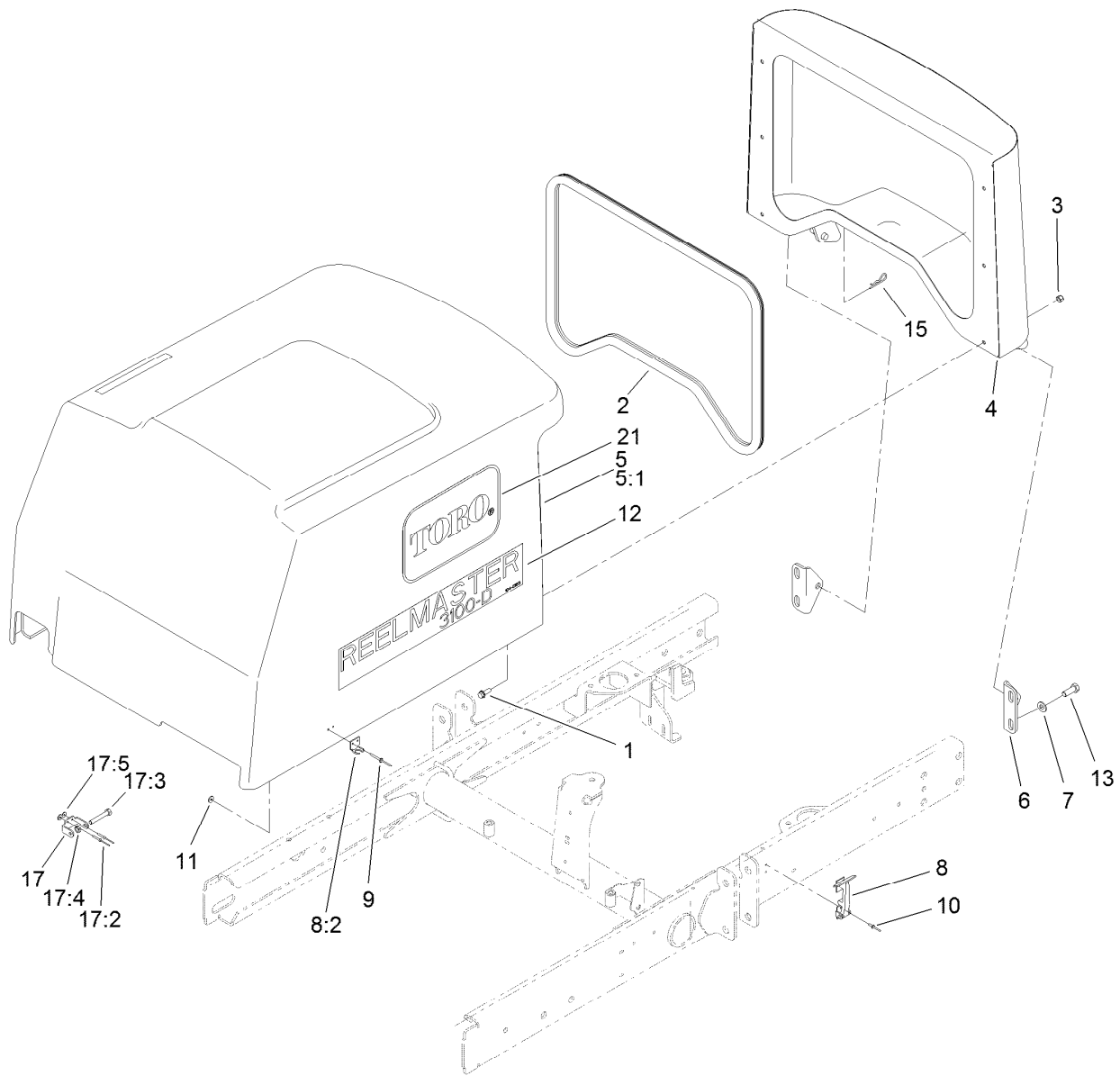
Air Cleaner Assembly No. 93-2190

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	108-3811	1	Filter-Air
3	94-3652	1	Cover ASM
3:1	1-643283	2	Latch-Cleaner, Air
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe



Radiator 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>
2	32104-116	6	Screw-HWHTF	30	2412-36	1	Clamp-Hose
3	32128-44	4	Nut	31	3290-378	2	Tie-Cable
4	3230-1	4	Bolt-CARR	33	99-7435	1	Relay
5	120-3392	1	Radiator/Oil Cooler	34	32105-13	1	Screw-HWH
6	121-3584	1	Shroud-Fan, Top	35	110-4105	1	Hose-Fuel
6:2	93-6681	1	Decal-Warning, Fan	36	56-7985	1	Sleeve-Protective
7	121-6254-03	1	Shroud-Fan, Bottom	37	93-6804	1	Hose
8	3234-1	4	Screw-HHF	38	3296-2	1	Nut-Lock, NI
9	92-2379	2	Clamp-Hose	40	104-9318	1	Bottle-Overflow
10	100-4903-03	1	Frame-Radiator	42	32128-33	4	Nut-HF
12	95-8962	2	Seal-Foam, Radiator	51	119-2038	1	Screw-HWH
13	3234-13	4	Screw-HHF	52	340-4	1	Fitting-Straight
14	121-3604-03	1	Bracket-Mounting, Reservoir	52:1	237-30	1	O-Ring
20	95-8702-03	1	Shield-Radiator, Lower	52:2	237-79	1	O-Ring
21	99-3497	1	Magnet	53	32104-95	6	Screw-HWH
23	121-3571	1	Hose-Radiator, Upper	54	2412-73	2	Clamp-R
24	119-6748	1	Hose-Radiator, Lower	55	340-98	1	Fitting-Elbow, 90 DEG
25	2412-34	2	Clamp-Hose	55:1	237-79	1	O-Ring
26	104-2806	1	Hose-HYD	55:2	237-30	1	O-Ring
27	121-3572	1	Tube-HYD	58	3290-379	1	Tie-Cable

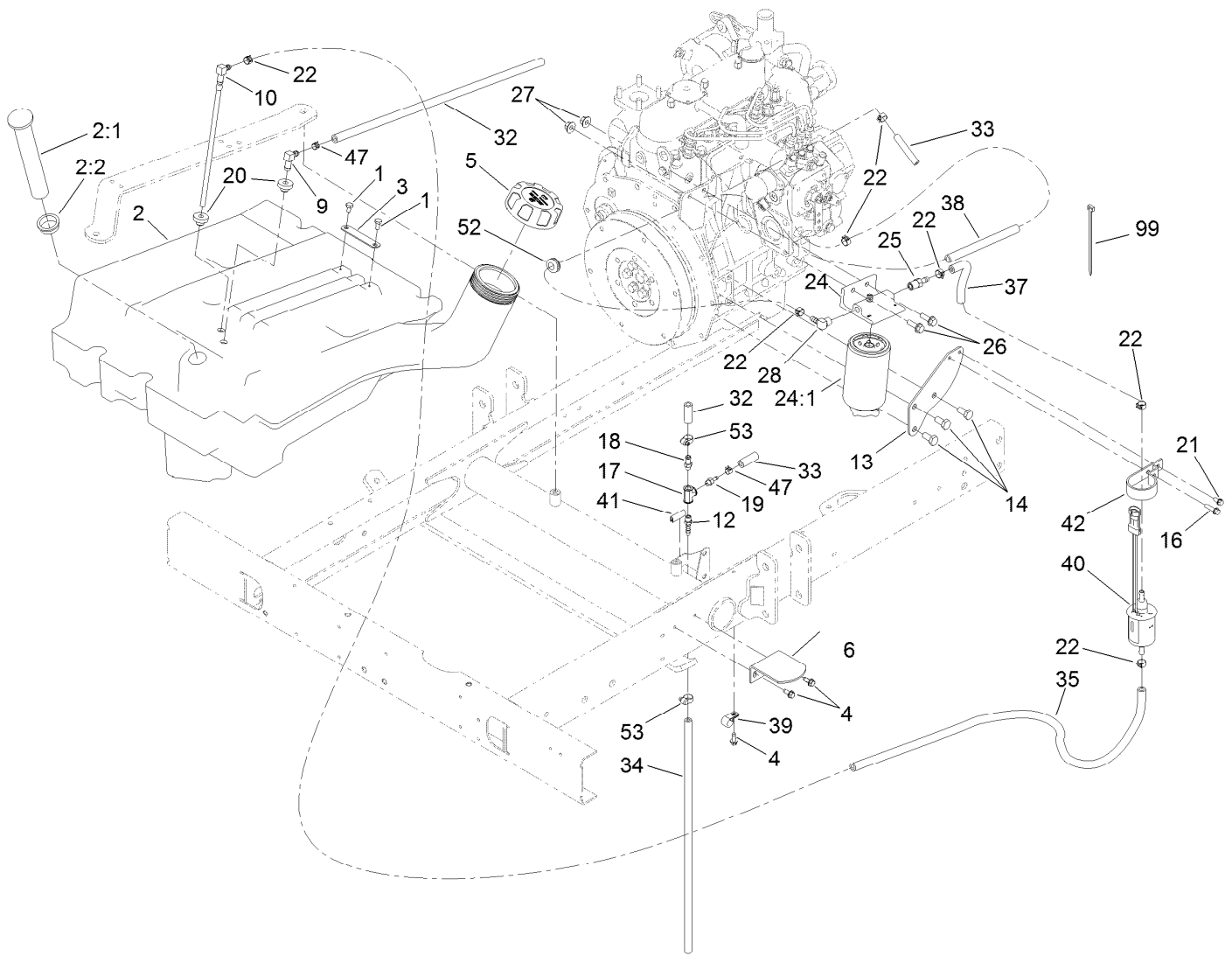


Hood Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	3234-4	6	Screw-HHF	10	3290-55	4	Rivet-Pop
2	95-8809	1	Trim-Seal	11	3269-10	4	Washer-Back
3	3296-42	6	Nut-Lock, NI	12	104-5153	2	Decal-Hood
4	95-8724-03	1	Screen-Hood	13	323-6	4	Screw-HH
5	121-3633	1	Hood ASM	15	3290-467	1	Pin-Hair
5:1		1	Hood ■	17	119-2004	1	CE Latch Kit
5:1:1	106-8114	1	Heat Tape Repair Kit ●	17:2	107-0333	2	Rivet-Pop
6	95-8728	2	Bracket-Pivot, Hood	17:3	322-10	1	Screw-HH
7	3256-24	4	Washer-Flat	17:4	3296-47	1	Nut-Lock,NI
8	59-9740	2	Flex Draw Latch ASM	17:5	3269-10	2	Washer-Back
8:2	249-40	1	Keeper	21	66-6140	2	Decal
9	107-0333	4	Rivet-Pop				

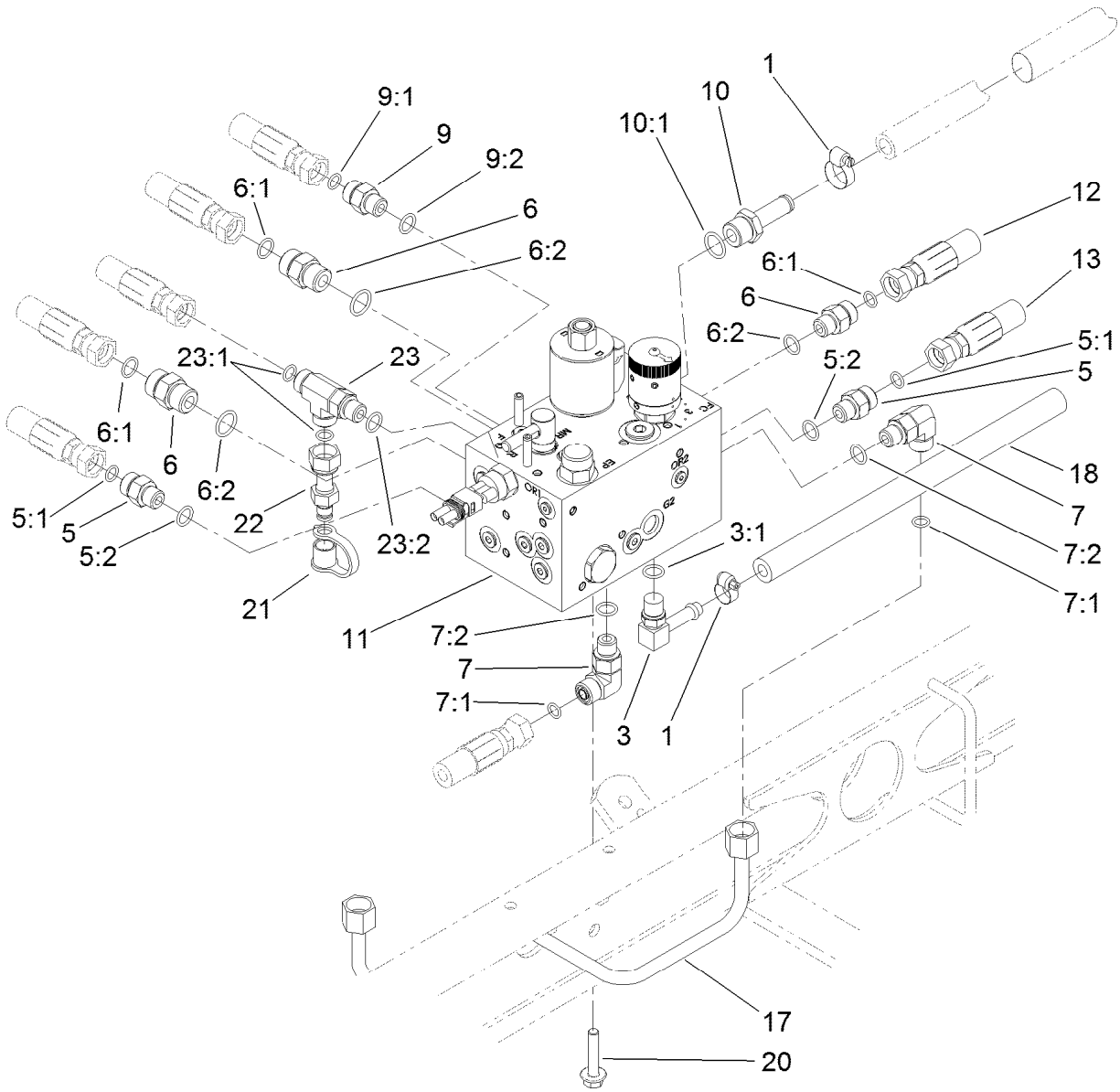
● Not illustrated

■ Not serviced separately



Fuel System Assembly

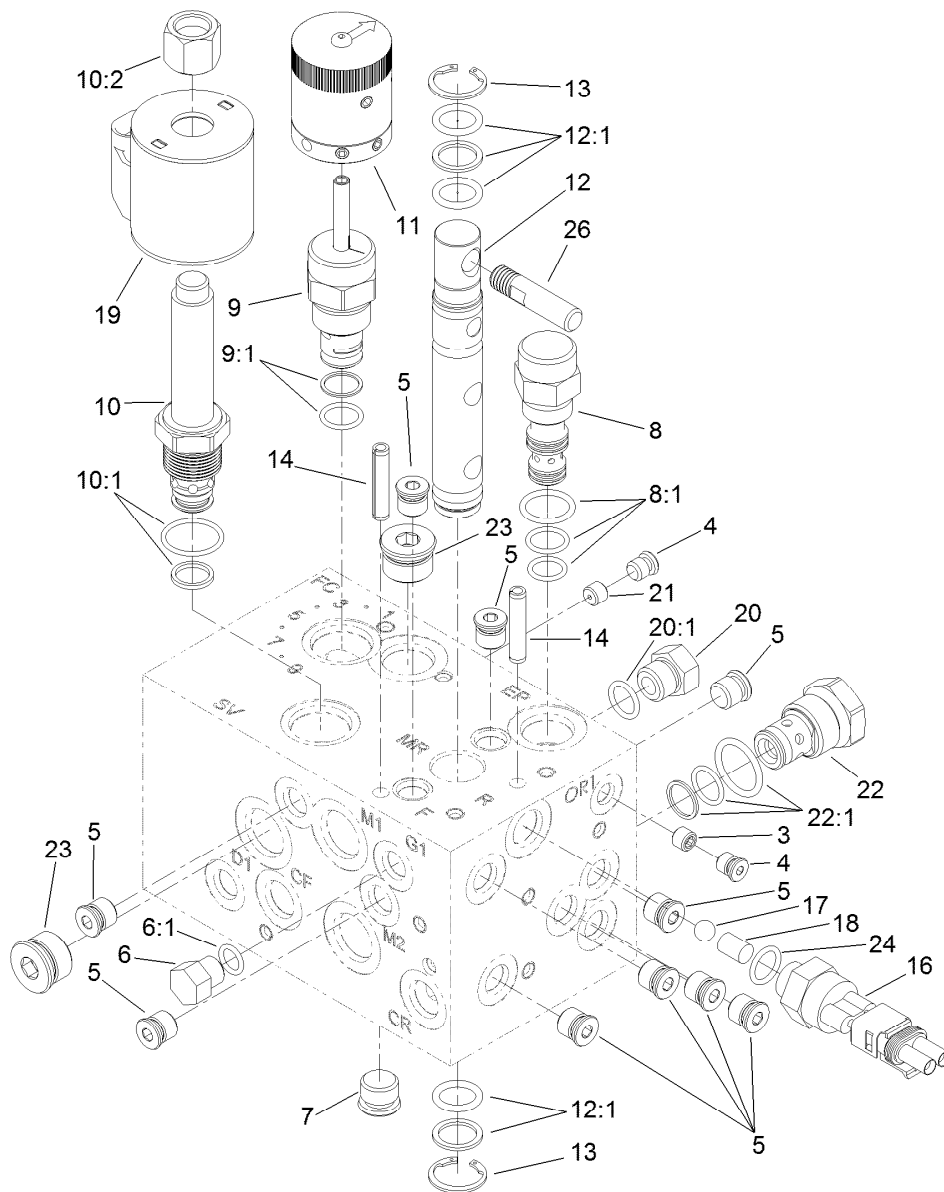
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	321-2	2	Screw-HH	24	110-9044	1	Separator-Filter
2	95-8620	1	Tank-Fuel	24:1	110-9049	1	Filter-Spin On, Fuel/Water
2:1	95-8971	1	Gauge-Fuel	25	353-783	1	Fitting-STR
2:2	95-8972	1	Grommet	26	3234-17	2	Screw-HHF
3	95-8881	1	Strap-Line, Fuel	27	32128-44	2	Nut
4	32144-10	3	Screw-HWH	28	353-781	1	Fitting-HYD, 90
5	114-5064	1	Cap-Diesel	32	110-6187	1	Hose-Fuel
6	95-8968-03	1	Support-Tank, Fuel	33	110-8751	1	Hose-Fuel
9	46-6550	1	Fitting-Elbow, 90 DEG	34	110-5701	1	Hose-Fuel
10	110-9689	1	Pipe-Stand	35	121-7914	1	Hose-Fuel
12	304-73	1	Fitting-Straight	37	117-4026	1	Hose-Fuel
13	120-2182-03	1	Plate-Mount, Fuel Pump	38	121-7852	1	Hose-Fuel
14	63-7790	3	Screw-Cap	39	2412-73	1	Clamp-R
16	32144-86	1	Screw-HWHTF	40	110-8806	1	Pump-Fuel
17	354-20	1	Fitting-Tee	41	110-8754	1	Trim
18	354-21	1	Fitting-Barbed	42	110-8817	1	Bracket-Pump, Fuel
19	354-22	1	Fitting-Barbed	47	2412-80	2	Clamp-Hose
20	46-6560	2	Bushing	52	1-543296	1	Grommet
21	32144-4	1	Screw-HWH	53	2412-108	2	Clamp-Worm
22	92-2379	7	Clamp-Hose	99	3290-379	2	Tie-Cable



Manifold Block Assembly

Ref.	Part Number	Qty.	Description
1	2412-36	2	Clamp-Hose
3	100-4887	1	Fitting-Elbow, 90
3:1	237-42	1	O-Ring
5	340-2	2	Fitting-Straight
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	340-4	3	Fitting-Straight
6:1	237-30	1	O-Ring
6:2	237-79	1	O-Ring
7	340-77	2	Fitting-Elbow, 90 DEG
7:1	237-22	1	O-Ring
7:2	237-42	1	O-Ring
9	340-92	1	Fitting-Straight
9:1	237-78	1	O-Ring

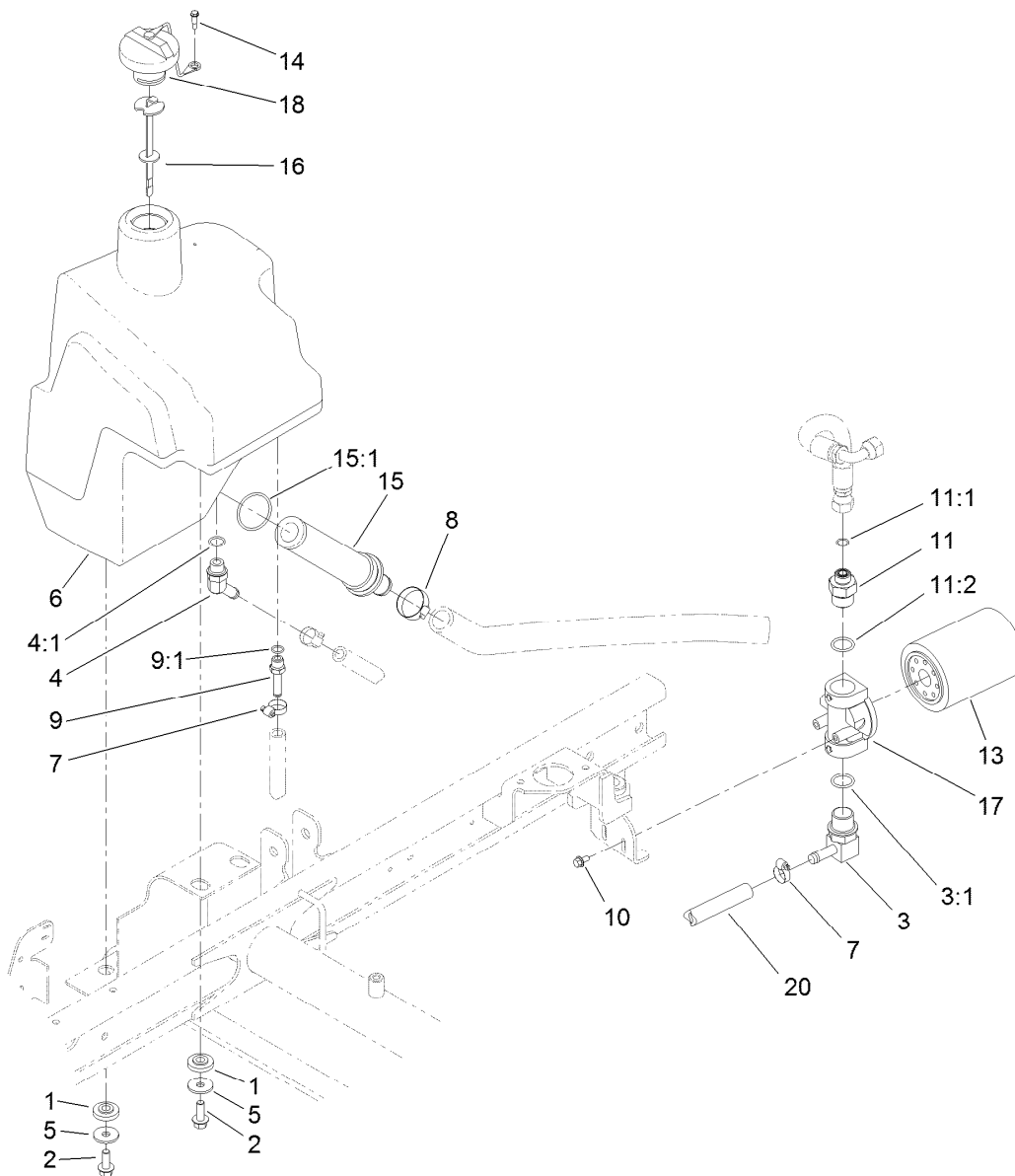
Ref.	Part Number	Qty.	Description
9:2	237-21	1	O-Ring
10	354-121	1	Fitting-STR
10:1	237-79	1	O-Ring
11	108-9037	1	Manifold ASM
12	95-8829	1	Hose ASM
13	106-4197	1	Hose ASM
17	99-3551	1	Tube-HYD
18	80-7342	1	Hose-HYD
20	104-8300	2	Nut-HF, NI
21	354-79	1	Cap-Dust
22	86-5480	1	Nipple-Test
23	340-86	1	Fitting-Tee
23:1	237-22	2	O-Ring
23:2	237-42	1	O-Ring



Hydraulic Manifold Assembly No. 108-9037

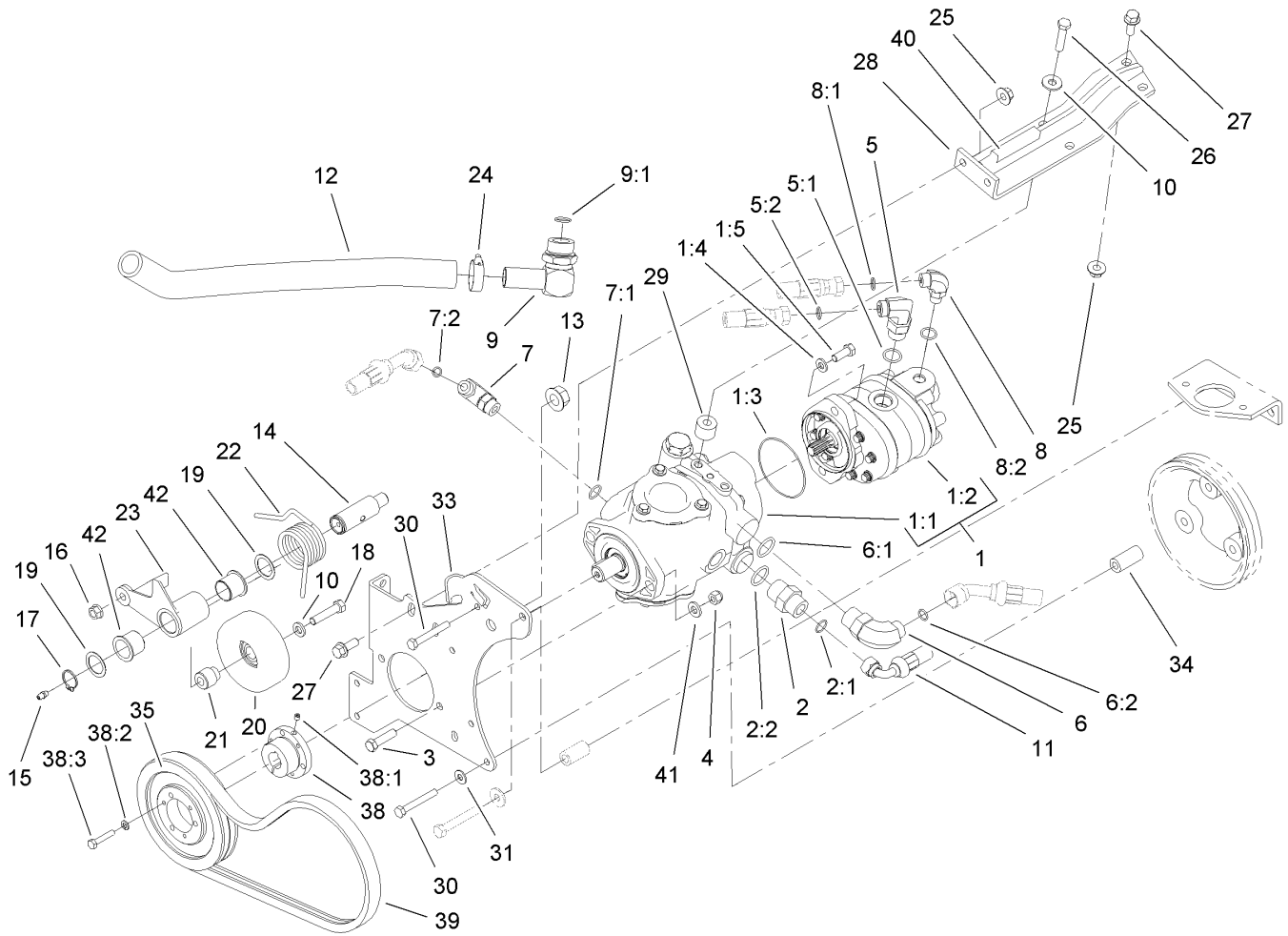
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
3	110-8771	1	Orifice-.020	12:1	117-0109	1	Seal Kit
4	106-1024	2	Plug-Leak, Zero	13	112-6532	2	Ring-Retaining
5	106-1025	10	Plug-HYD	14	112-6531	2	Pin-Spring
6	353-512	1	Plug	16	72-4310	1	Switch-Ball
6:1	237-78	1	O-Ring	17	110-8762	1	Ball-Chrome
7	106-1026	1	Plug-HYD	18	110-8761	1	Pin-Dowel
8	110-8770	1	Logic Element	19	110-6344	1	Coil-12V, DC
8:1	110-8773	1	Seal Kit	20	353-508	1	Plug-HH
9	110-8769	1	Valve-Control, Manual Flow	20:1	237-42	1	O-Ring
9:1	110-2633	1	Seal Kit	21	110-8760	1	Orifice-.073
10	110-8768	1	Valve-Relief, Solenoid (3000 PSI)	22	110-8759	1	Valve-Check
10:1	110-6316	1	Seal Kit	22:1	110-8772	1	Seal Kit ●
10:2	130-8180	1	Nut-Coil (9/16-24 Unef-2B)	23	106-1027	2	Plug
11	110-8767	1	Rotary Handle ASM	24	110-8757	1	O-Ring
12	117-0108	1	Spool-Rotary	26	110-8758	1	Handle-Spool

● Not illustrated



Hydraulic Tank 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	240-11	4	Bushing-Flange	10	3234-13	2	Screw-HHF
2	3234-11	4	Screw-HHF	11	100-4240	1	Fitting-STR
3	95-8814	1	Fitting-90	11:1	237-30	1	O-Ring
3:1	237-81	1	O-Ring	11:2	237-81	1	O-Ring
4	354-126	1	Fitting-Elbow, 45	13	54-0110	1	Filter-Oil, Transmission
4:1	237-79	1	O-Ring	14	57-5420	1	Screw-Shoulder
5	63-8410	4	Washer	15	104-7546	1	Tank Strainer ASM
6	104-4840	1	Tank-HYD	15:1	340-136	1	O-Ring
7	2412-36	3	Clamp-Hose	16	119-6968	1	Dipstick-Oil
8	2412-34	1	Clamp-Hose	17	92-5821	1	Head-Filter
9	353-979	1	Fitting-STR	18	93-7160	1	Cap-Oil, HYD
9:1	237-42	1	O-Ring	20	99-3501	1	Hose

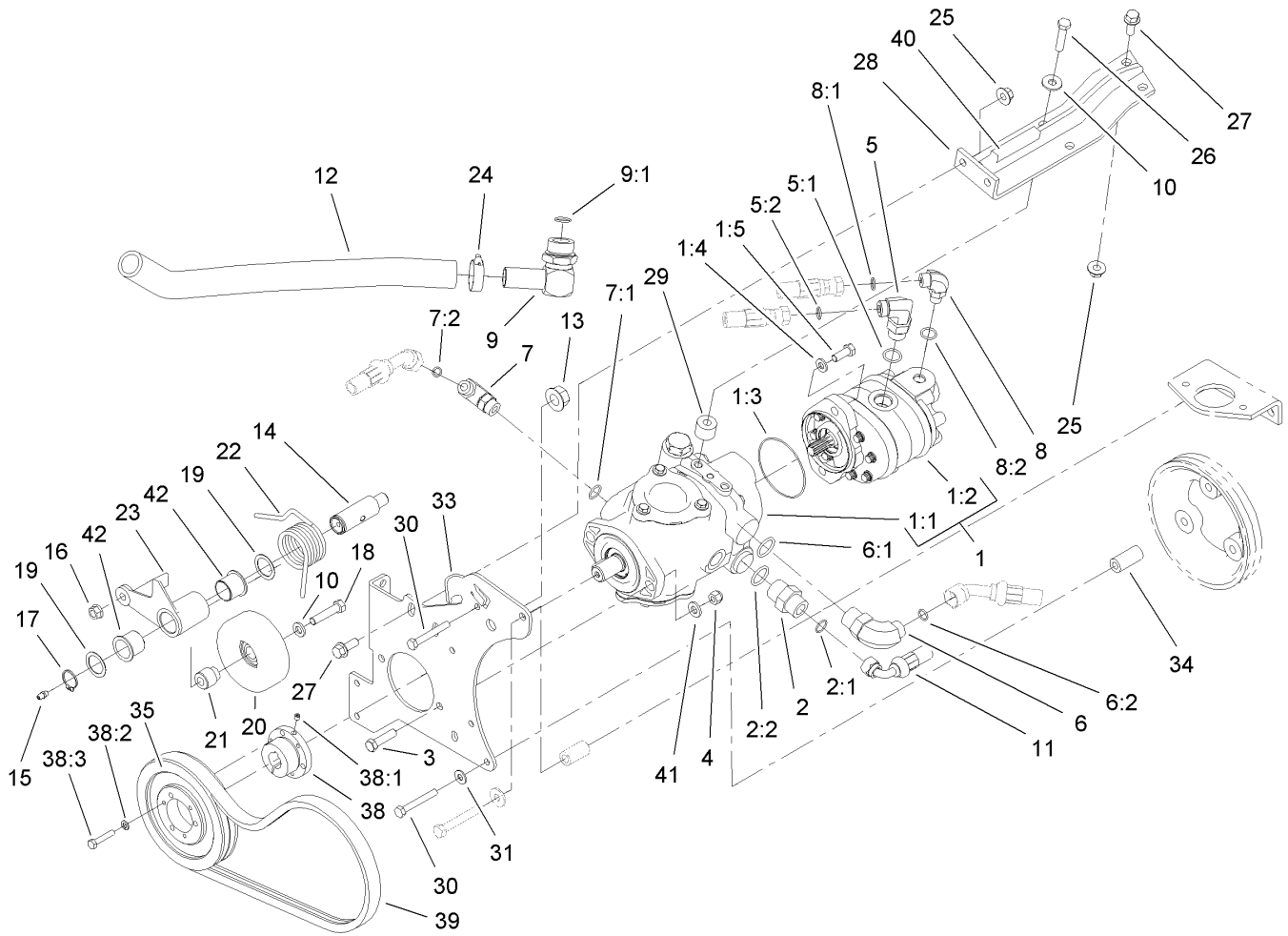


Hydrostat Assembly

Ref.	Part Number	Qty.	Description
1		1	Tandem Pump ASM ●
1:1	104-4890	1	Piston Pump ASM
1:2	95-8601	1	Gear Pump ASM
1:3	60-3520	1	O-Ring
1:4	3256-24	2	Washer-Flat
1:5	3274-1	2	Screw-HSH
2	340-8	1	Fitting-Straight
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	340-105	1	Fitting-Elbow, 90 DEG
5:1	237-80	1	O-Ring
5:2	237-30	1	O-Ring
6	340-139	1	Fitting-Elbow 90
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-Elbow, 90 DEG
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	56-9530	1	Fitting-HYD, 90 DEG
9:1	237-117	1	O-Ring

Ref.	Part Number	Qty.	Description
10	80-6990	3	Washer-Hardened
11	105-1214	1	Hose-HYD
12	104-4845	1	Hose-Suction
13	32128-54	1	Nut-HF
14	99-3529	1	Shaft-Pivot, Idler
15	302-5	1	Fitting-Grease
16	32128-21	1	Nut-HF Lock
17	32151-36	1	Ring-Retaining
18	323-10	1	Screw-HH
19	74-1810	2	Washer
20	95-8802	1	Pulley-Idler
21	95-8806	1	Spacer
22	95-8917	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
33	95-8933-03	1	Plate-Mount, Pump
34	95-8941	4	Spacer-Mount, Pump
35	93-6841	1	Pulley

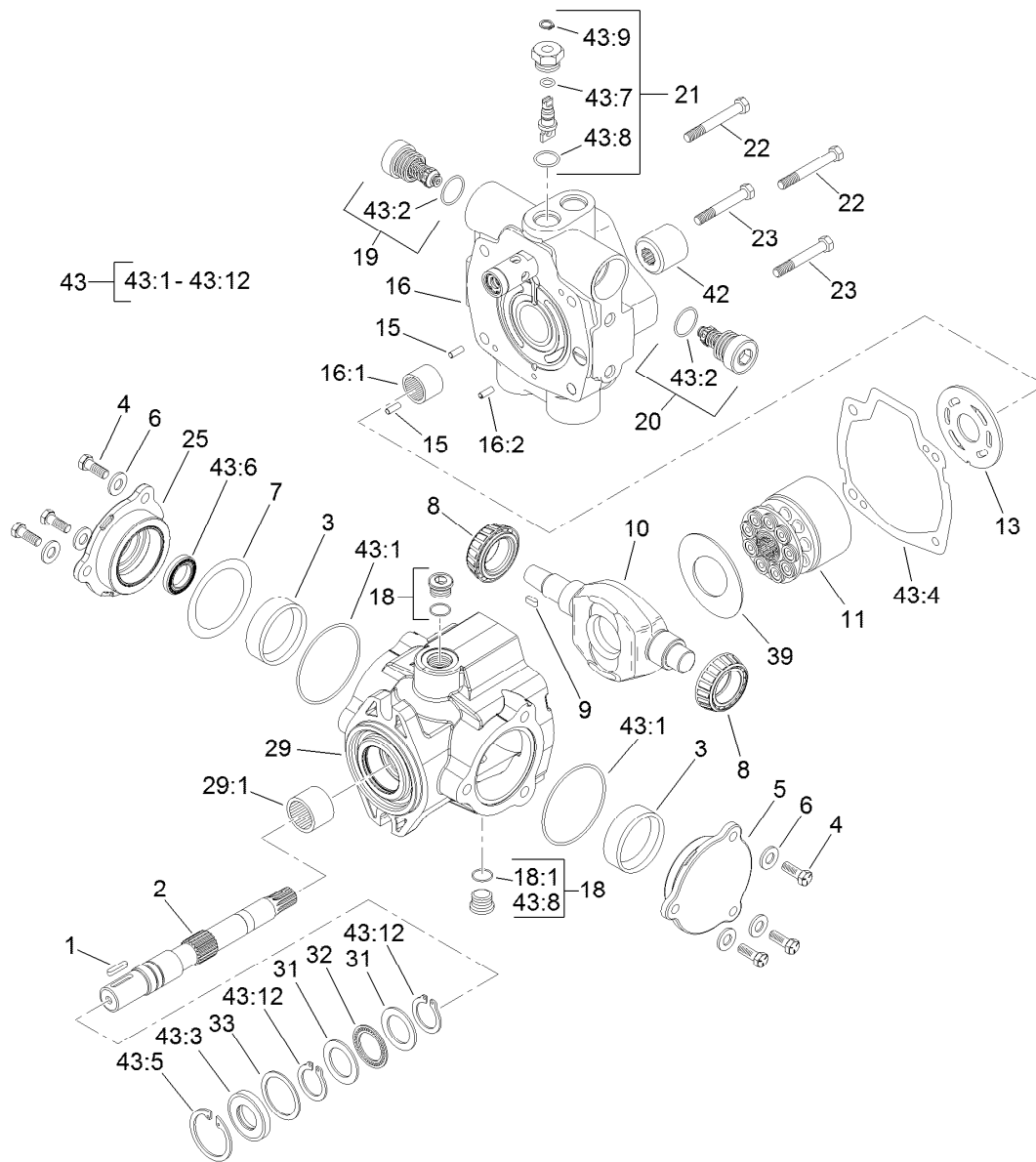
● Not serviced separately



Hydrostat Assembly (continued)

<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>
38	93-6842	1	Bushing-Lock, Taper	39	95-8730	1	V-Belt
38:1	3245-36	1	Screw-Set, HSH	40	70-2041	1	Trim
38:2	321-13	3	Screw-HH	41	100-4852	2	Washer-Hardened
38:3	3253-2	3	Washer-Lock	42	126-1963	2	Bushing-Pivot

● Not serviced separately

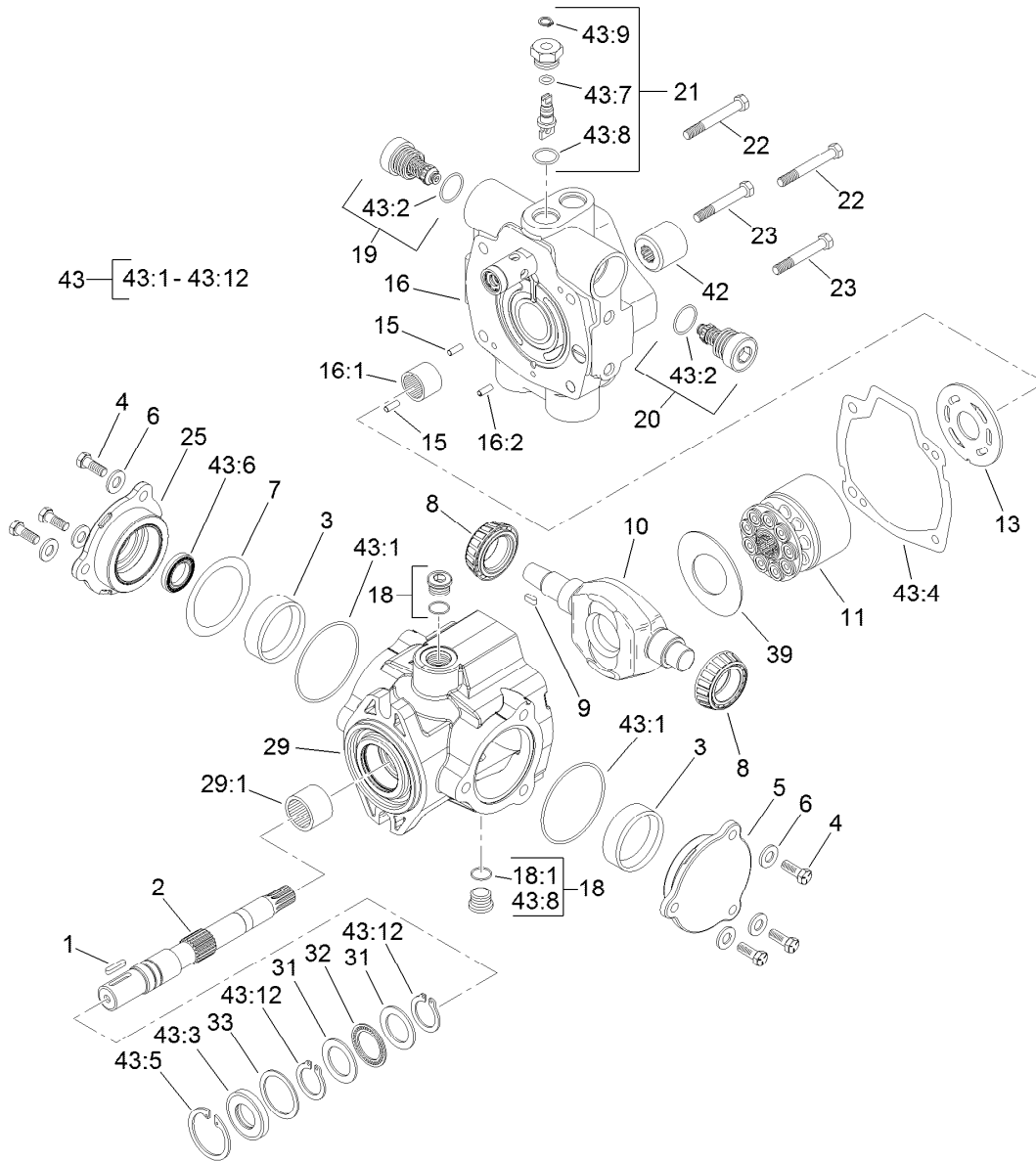


Hydraulic Pump Assembly No. 104-4890

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	94-3645	1	Key	19	104-4889	1	Relief Valve ASM
2	94-6359	1	Shaft-Drive	20	105-3812	1	Valve-Check
3	104-4046	2	Bearing-Cup	21	105-3811	1	Valve-Bypass
4	98-4640	6	Screw-Cap	22	76-6170	2	Capscrew
5	98-4644	1	Plate-Cover	23	76-6160	2	Capscrew
6	105-9762	6	Washer	25	98-4645	1	Plate-Cover
7	100-3182	2	Shim Kit	29	100-3176	1	Housing ASM
8	98-4639	2	Bearing-Cone	29:1	94-6363	1	Bearing
9	94-3646	1	Key	31	252-71	2	Washer-Thrust
10	104-4888	1	Swashplate	32	252-66	1	Bearing-Thrust
11	76-6070	1	Rotating Kit	33	33-3720	1	Washer
13	104-0429	1	Plate-Valve	39	98-4635	1	Insert-Plate, Cam
15	76-6150	2	Pin-Dowel	42	74-9040	1	Coupler
16	105-3813	1	Endcover Sub ASM	43	120-5754	1	Seal Kit
16:1	94-6368	1	Bearing	43:1		2	O-Ring ■
16:2		1	Pin-Roll ■	43:2		2	O-Ring ■
18	74-9280	2	Plug ASM	43:3		1	Seal-Shaft ■
18:1		1	O-Ring ■	43:4		1	Gasket ■

● Not illustrated

■ Not serviced separately



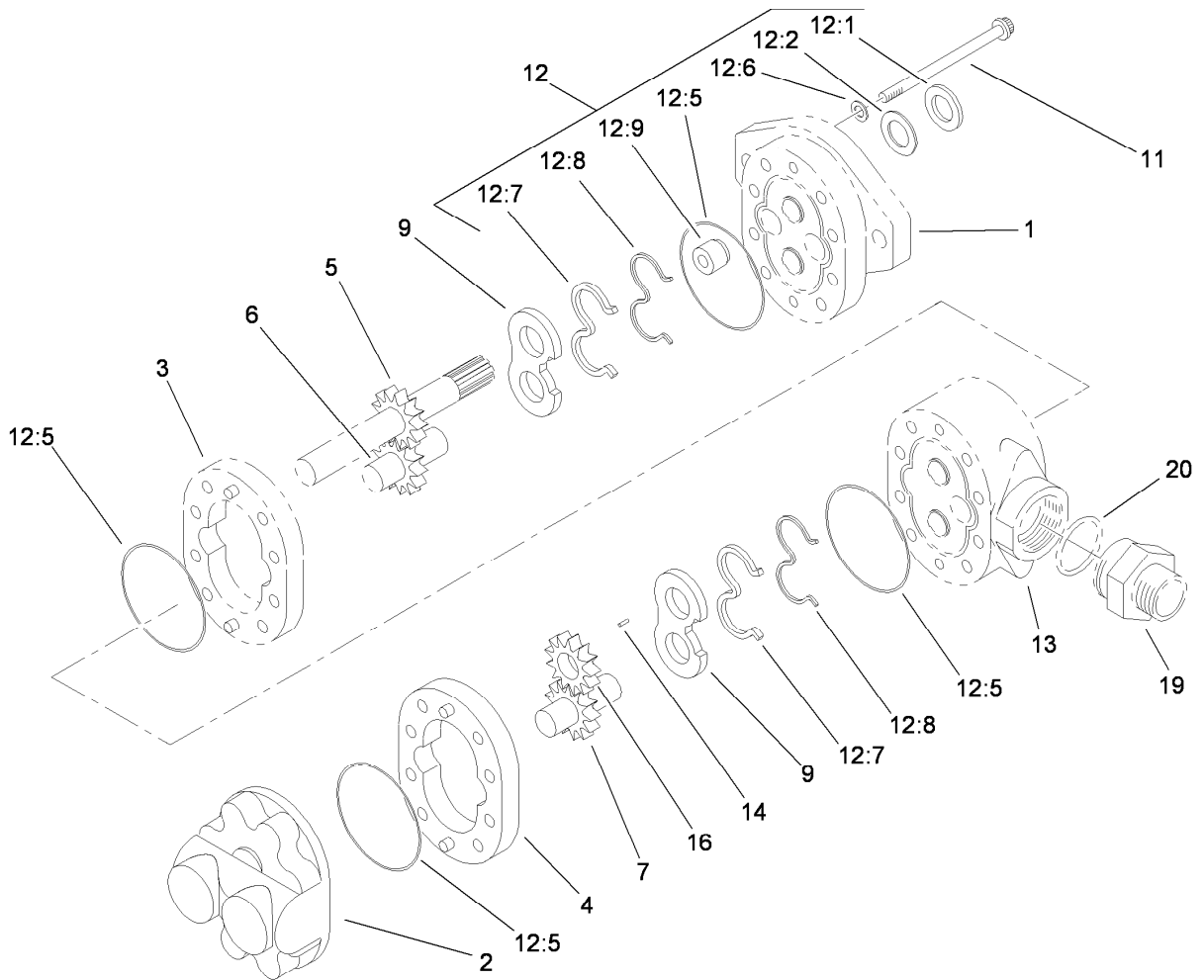
Hydraulic Pump Assembly No. 104-4890 (continued)

Ref.	Part Number	Qty.	Description
43:5		1	Ring-Retaining ■
43:6		1	Seal-Shaft ■
43:7		1	O-Ring ■
43:8		5	O-Ring ■
43:9		1	Ring-Retaining ■

Ref.	Part Number	Qty.	Description
43:10		1	O-Ring ●■
43:11		1	O Ring-Molded ●■
43:12		2	Ring-Retaining ■
43:13		1	O-Ring ■●

● Not illustrated

■ Not serviced separately

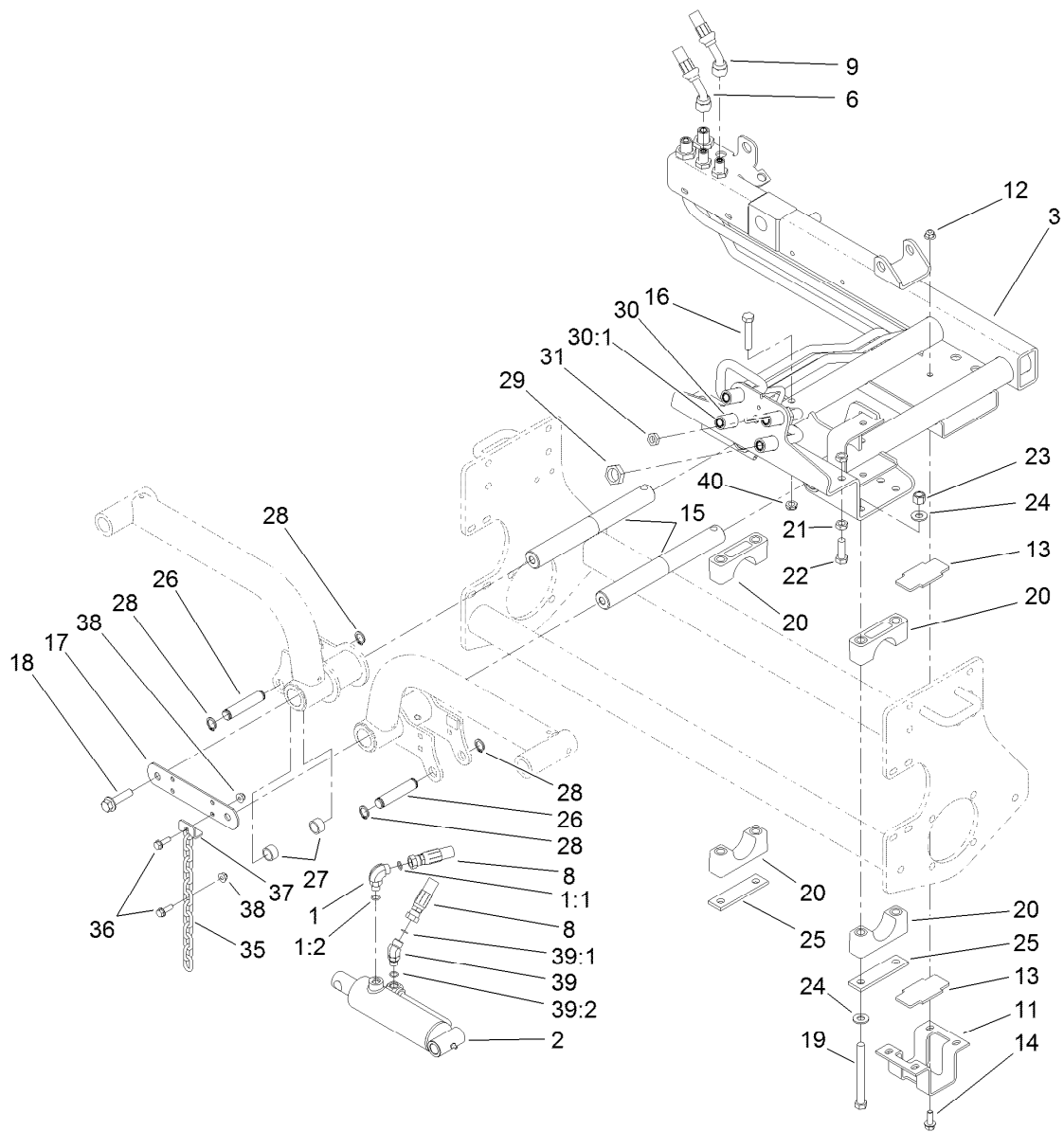


Gear Pump Assembly No. 95-8601

Ref.	Part Number	Qty.	Description
1		1	Plate-Front ■
2		1	Plate-Back ■
3		1	Body ■
4	95-4364	1	Body
5		1	Gear-Drive ■
6		1	Gear-Idler ■
7	95-4366	1	Gear-Idler
9	95-4368	2	Plate-Wear
11	94-8158	8	Screw-Cap
12	94-8161	1	Seal Repair Kit ●
12		4	O-Ring ■
12:1	49-2640	1	Seal-Shaft
12:2	60-5890	1	Washer
12:5		4	O-Ring ■
12:6	120-7576	4	Washer-Sealing
12:7	95-4369	2	Seal-Pressure
12:8	95-4368	2	Plate-Wear
12:9	94-3011	1	Plug
13		1	Plate-Adapter ■
14		1	Key ■
16	95-4373	1	Gear-Fit, Slip
19	49-2640	1	Seal-Shaft
20	60-5890	1	Washer

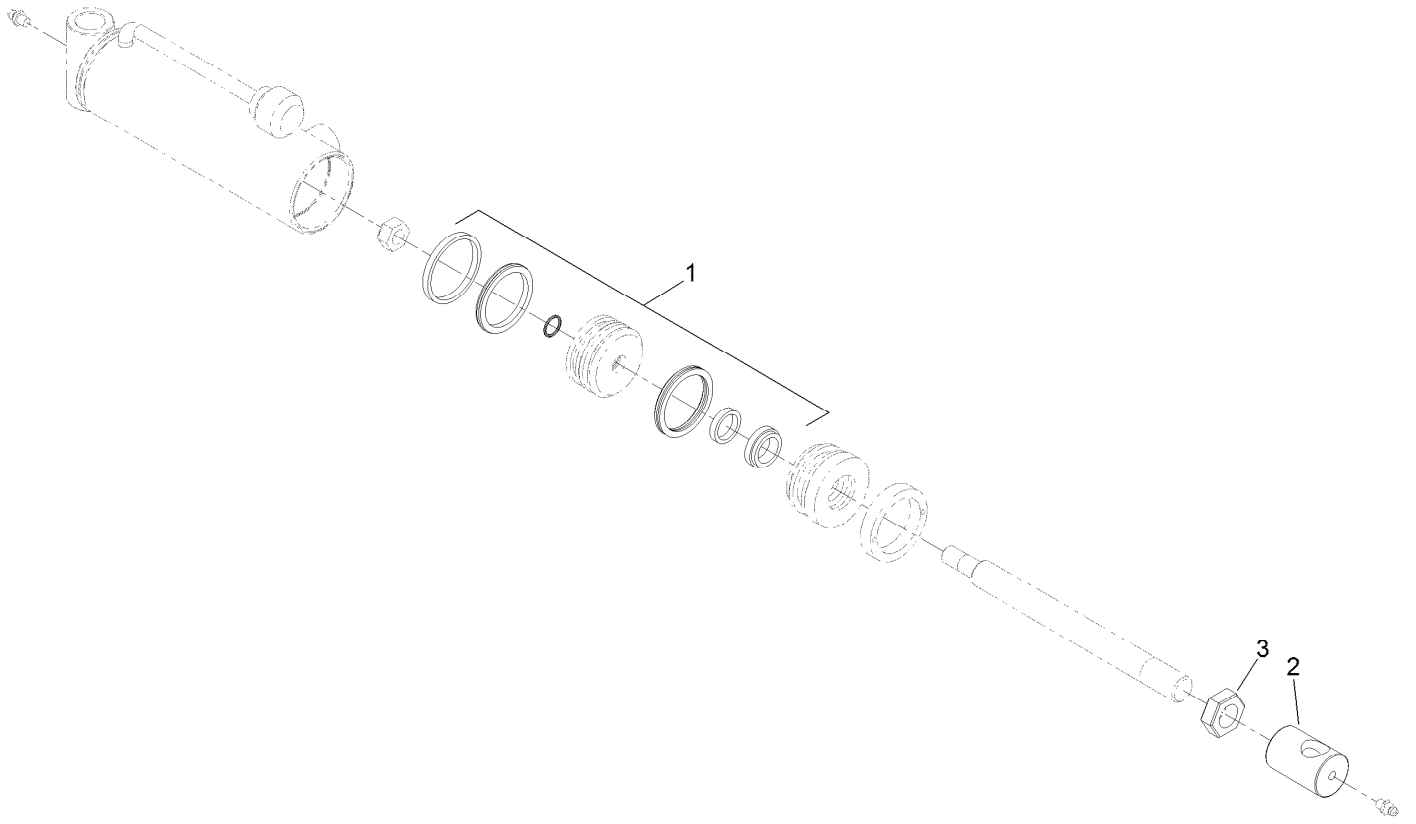
● Not illustrated

■ Not serviced separately



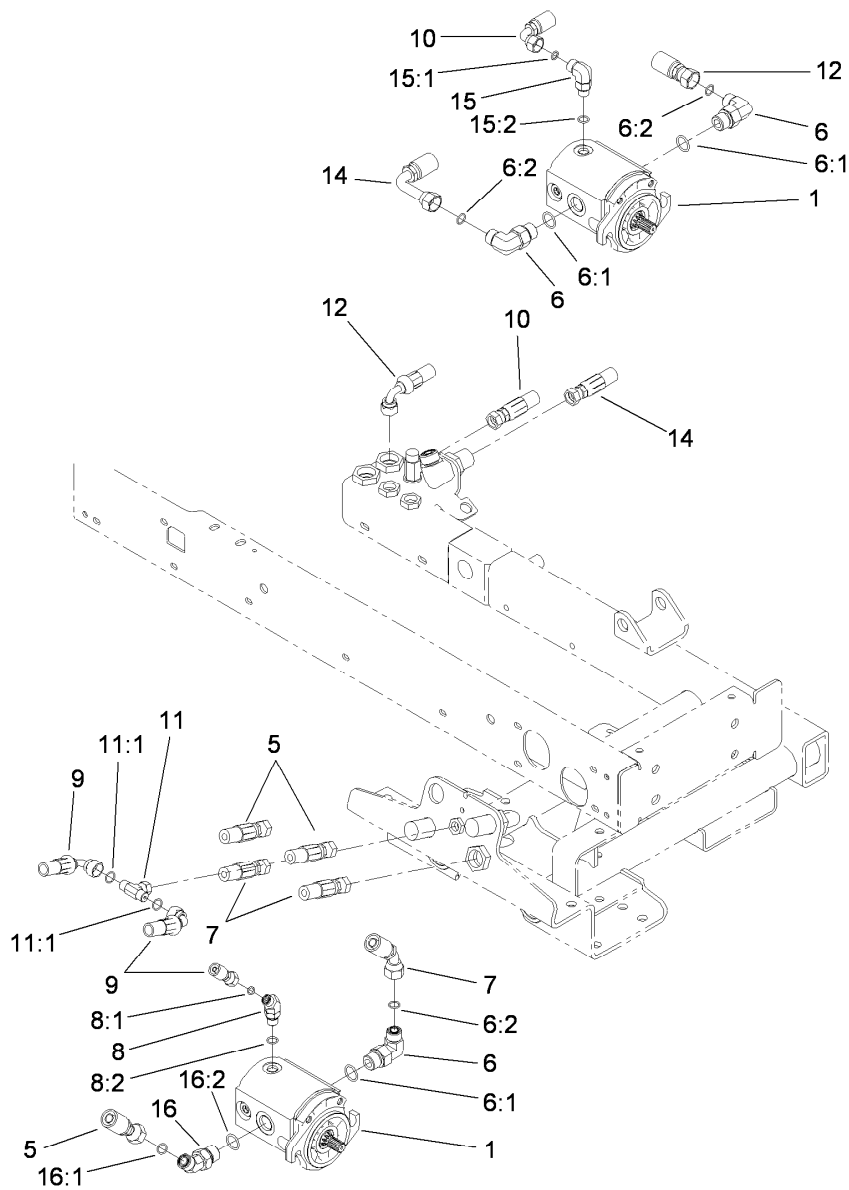
Carrier Assembly

<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	340-77	1	Fitting-Elbow, 90 DEG	22	325-7	2	Screw-HH
1:1	237-22	1	O-Ring	23	3296-23	4	Nut-Lock, NI
1:2	237-42	1	O-Ring	24	87-7270	8	Washer-Thrust
2	117-5109	1	HYD Cylinder ASM	25	99-3373	2	Bar-Support, Slide
3	100-4930-03	1	Carrier ASM	26	95-8575	2	Pin-Clevis
6	99-3575	1	Hose-HYD	27	75-9590	2	Spacer-Cylinder
8	117-5147	2	Hose-HYD	28	32120-93	4	Ring-Retaining
9	99-3579	1	Hose-HYD	29	340-74	4	Nut-Lock, Bulkhead
11	95-8904-03	1	Bracket-Clamp	30	99-3640	1	Tube ASM
12	32128-43	4	Nut-Flange	30:1	237-65	2	O-Ring
13	95-8538	1	Slide-Plastic	31	340-78	1	Nut-Lock
14	3234-11	4	Screw-HHF	35	98-7981	2	Chain-Link, Straight
15	95-8531	2	Shaft-Pivot, Liftarm	36	3234-17	4	Screw-HHF
16	325-10	2	Screw-HH	37	99-3550	2	Clip-Link
17	95-8532-03	1	Link-Shaft, Pivot	38	104-8300	4	Nut-HF, NI
18	3234-27	2	Screw-HHF	39	340-87	1	Fitting-Elbow, 45 DEG
19	325-19	4	Screw-HH	39:1	237-22	1	O-Ring
20	95-8884	4	Clamp	39:2	237-42	1	O-Ring
21	3218-5	4	Nut-Jam	40	3296-45	2	Nut-Hex



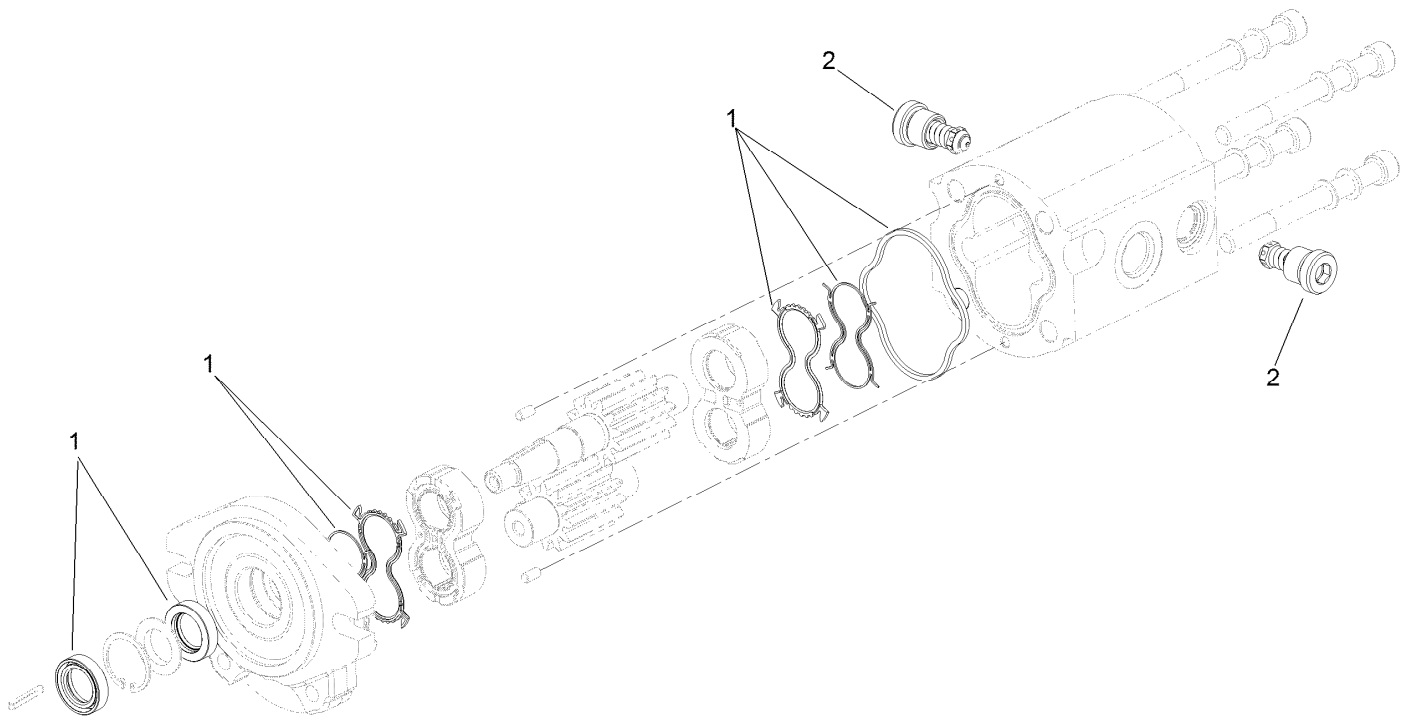
Hydraulic Cylinder Assembly No. 117-5109

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	115-3410	1	Seal Kit
2	108-9035	1	Clevis
3	3220-7	1	Nut-Jam



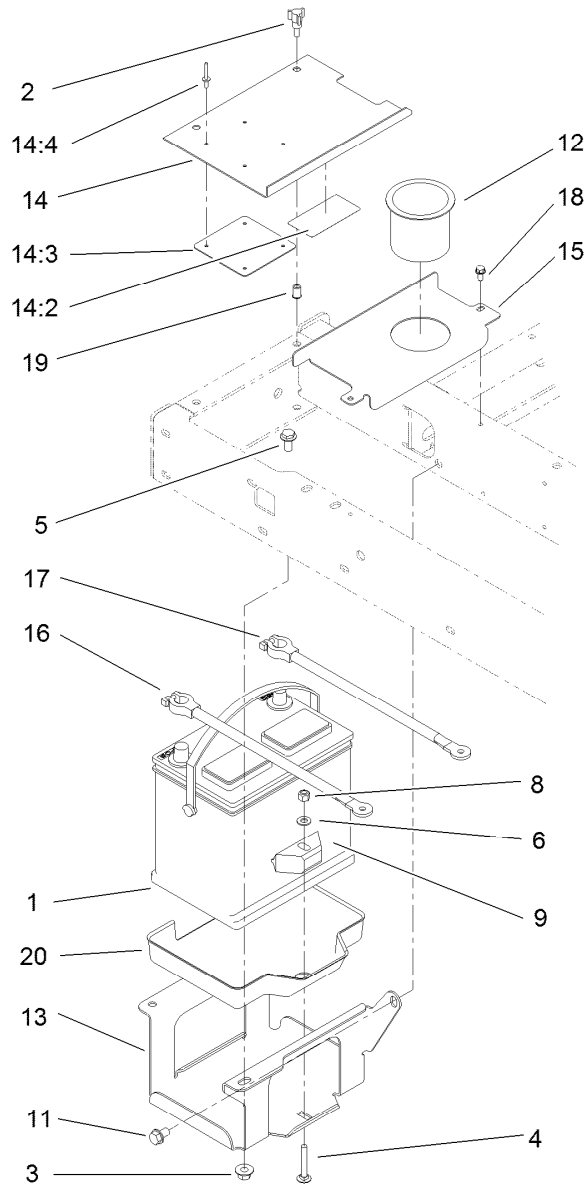
Reel Motor Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	115-8250	3	Gear Motor ASM	11	99-3477	1	Fitting-Tee
5	117-5142	2	Hose-HYD	11:1	237-42	2	O-Ring
6	340-105	4	Fitting-Elbow, 90 DEG	12	117-5146	1	Hose-HYD
6:1	237-80	1	O-Ring	14	117-5145	1	Hose-HYD
6:2	237-30	1	O-Ring	15	340-77	1	Fitting-Elbow, 90 DEG
7	117-5143	2	Hose-HYD	15:1	237-22	1	O-Ring
8	340-137	2	Fitting	15:2	237-42	1	O-Ring
8:1	237-21	1	O-Ring	16	340-89	2	Fitting-HYD, 45 DEG
8:2	237-42	1	O-Ring	16:1	237-30	1	O-Ring
9	117-5144	2	Hose-HYD	16:2	237-80	1	O-Ring
10	114-5500	1	Hose-HYD				



Gear Motor Assembly No. 115-8250

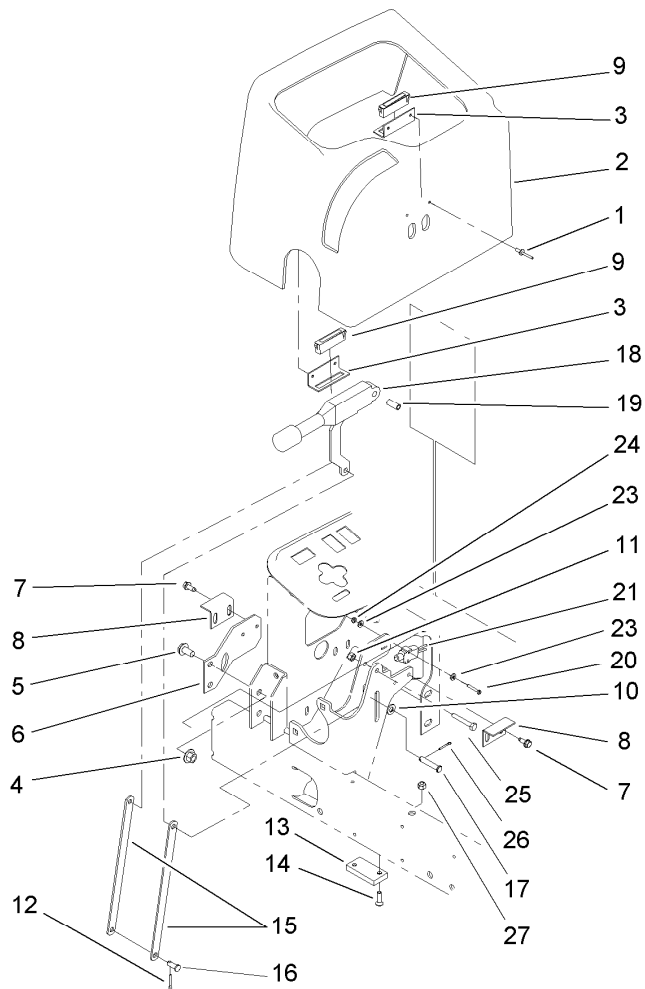
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	125-1682	1	Motor Seal Kit
2	117-5107	2	Valve-Check



Battery Assembly

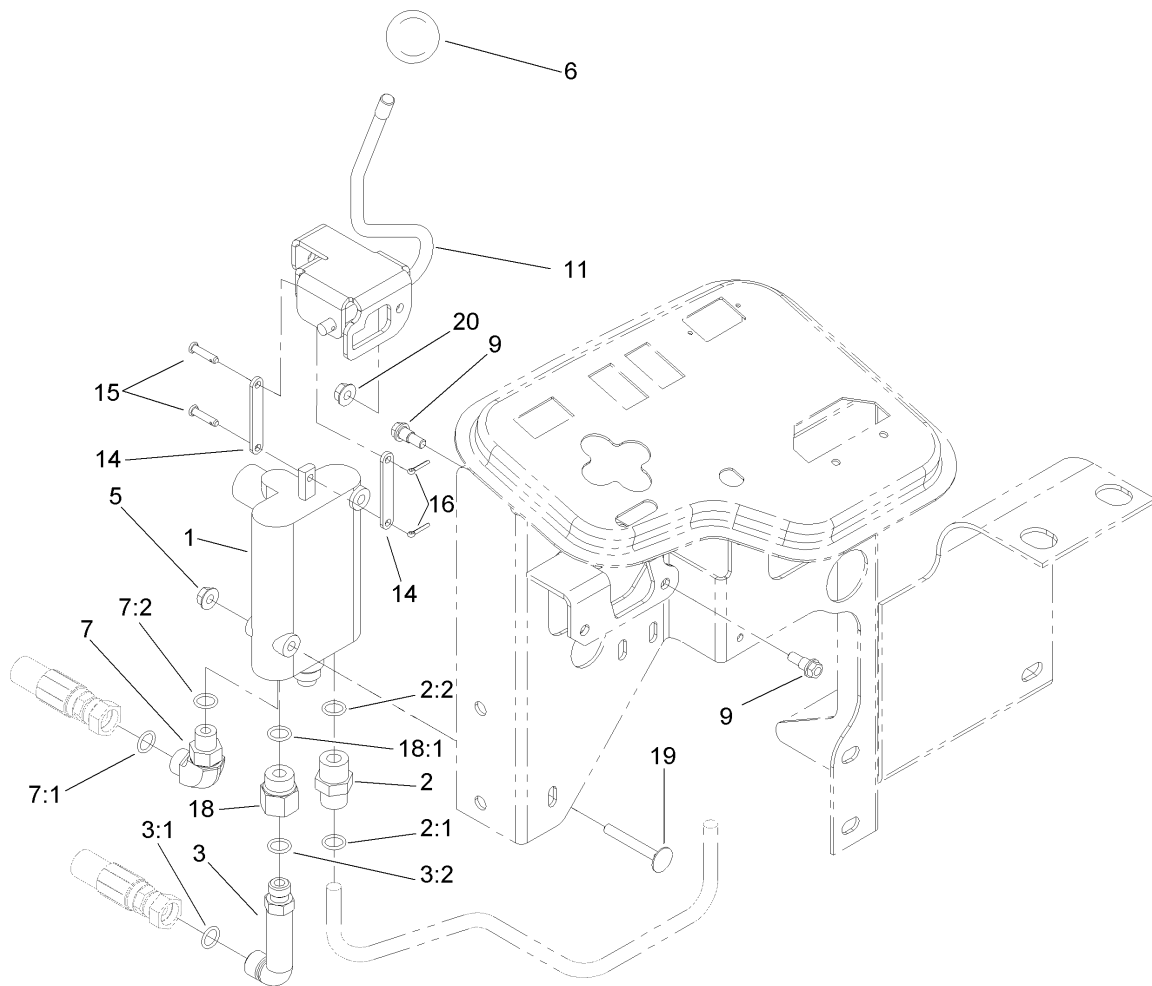
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	104-0496	1	Battery (Group 55, Wet)	14		1	Battery Cover ASM ●
2	233-70	2	Knob-Star, Three	14:2	93-7276	1	Decal-Danger
3	32128-43	3	Nut-Flange	14:3	87-7620	1	Shield-Terminal, Battery
4	3230-6	1	Bolt-CARR	14:4	3269-27	4	Rivet-Snap
5	3234-1	3	Screw-HHF	15	95-8817-01	1	Cover-Battery, Inner
6	3256-23	1	Washer-Plain	16	95-8853	1	Cable-Battery, Positive
8	3296-29	1	Nut-Lock, NI	17	95-8854	1	Cable-Battery, Negative
9	66-2490	1	Retainer-Battery	18	32144-4	2	Screw-HWH
11	32144-15	1	Screw-HHFTF	19	32148-6	2	Nut-Clinch
12	94-1410	1	Holder-Can, Beverage	20	99-3513	1	Tray-Battery
13	95-8796-03	1	Support-Battery				

● Not serviced separately



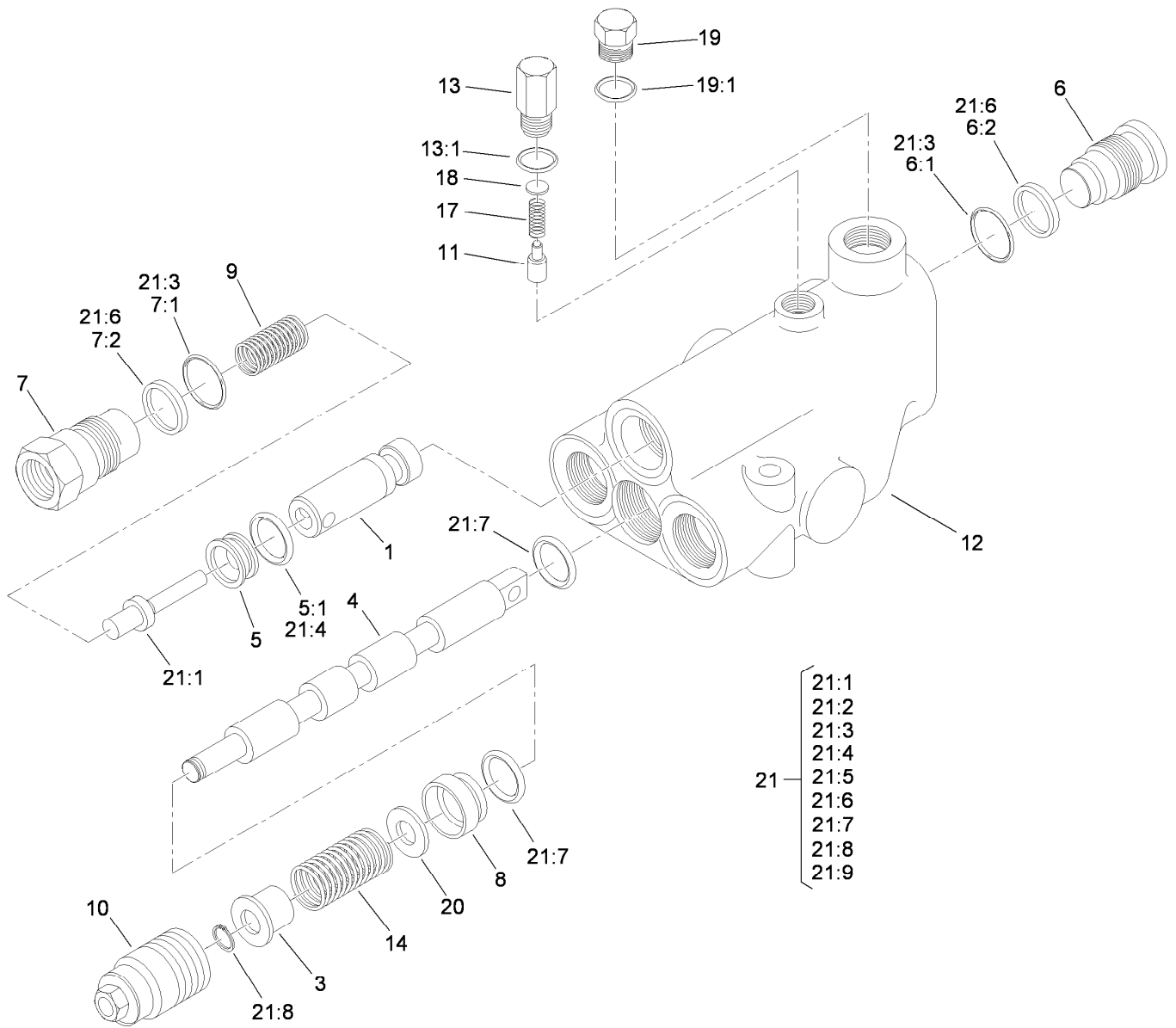
Parking Brake Assembly

<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	3269-5	4	Rivet-Pop	14	3289-4	2	Screw-FH
2	95-8707	1	Cover-Dash	15	104-4628	2	Link-Brake, Parking
3	95-8763	2	Bracket-Hold Down, Cover	16	283-62	1	Pin-Clevis
4	32128-43	2	Nut-Flange	17	94-3829	1	Pin-Clevis
5	3234-1	2	Screw-HHF	18	104-4817	1	Lever-Brake
6	95-8764-03	1	Support-Magnet	19	87-4710	1	Spacer-Brake, Parking
7	32144-10	4	Screw-HWH	20	32105-9	2	Screw
8	95-8765	2	Bracket-Strike, Magnet	21	95-8900	1	Switch
9	58-4250	2	Catch-Magnetic	23	3256-21	4	Washer-Flat
10	3256-23	3	Washer-Plain	24	3296-9	2	Nut-Hex
11	3296-42	1	Nut-Lock, NI	25	321-10	1	Screw-HH
12	3272-10	1	Pin-Cotter	26	3272-6	1	Pin-Cotter
13	95-8684	1	Pad-Bumper	27	104-7201	2	Nut-HF, NI



Control Valve Assembly

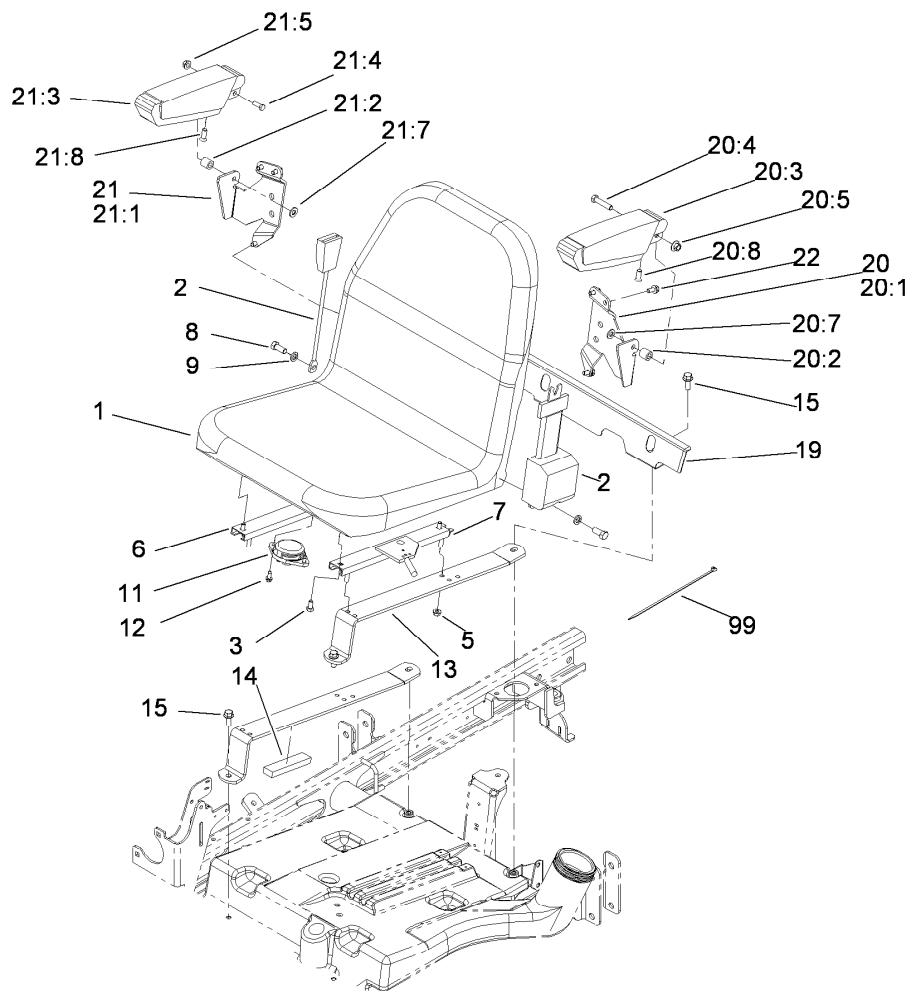
Ref.	Part Number	Qty.	Description
1	95-8689	1	Single Spool Control Valve ASM
2	340-3	1	Fitting-Straight
2:1	237-22	1	O-Ring
2:2	237-79	1	O-Ring
3	69-4320	1	Fitting-HYD, 90 DEG
3:1	237-22	1	O-Ring
3:2	237-42	1	O-Ring
5	32128-33	2	Nut-HF
6	233-42	1	Knob
7	340-77	1	Fitting-Elbow, 90 DEG
7:1	237-22	1	O-Ring
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	283-16	2	Pin-Clevis
16	3272-1	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

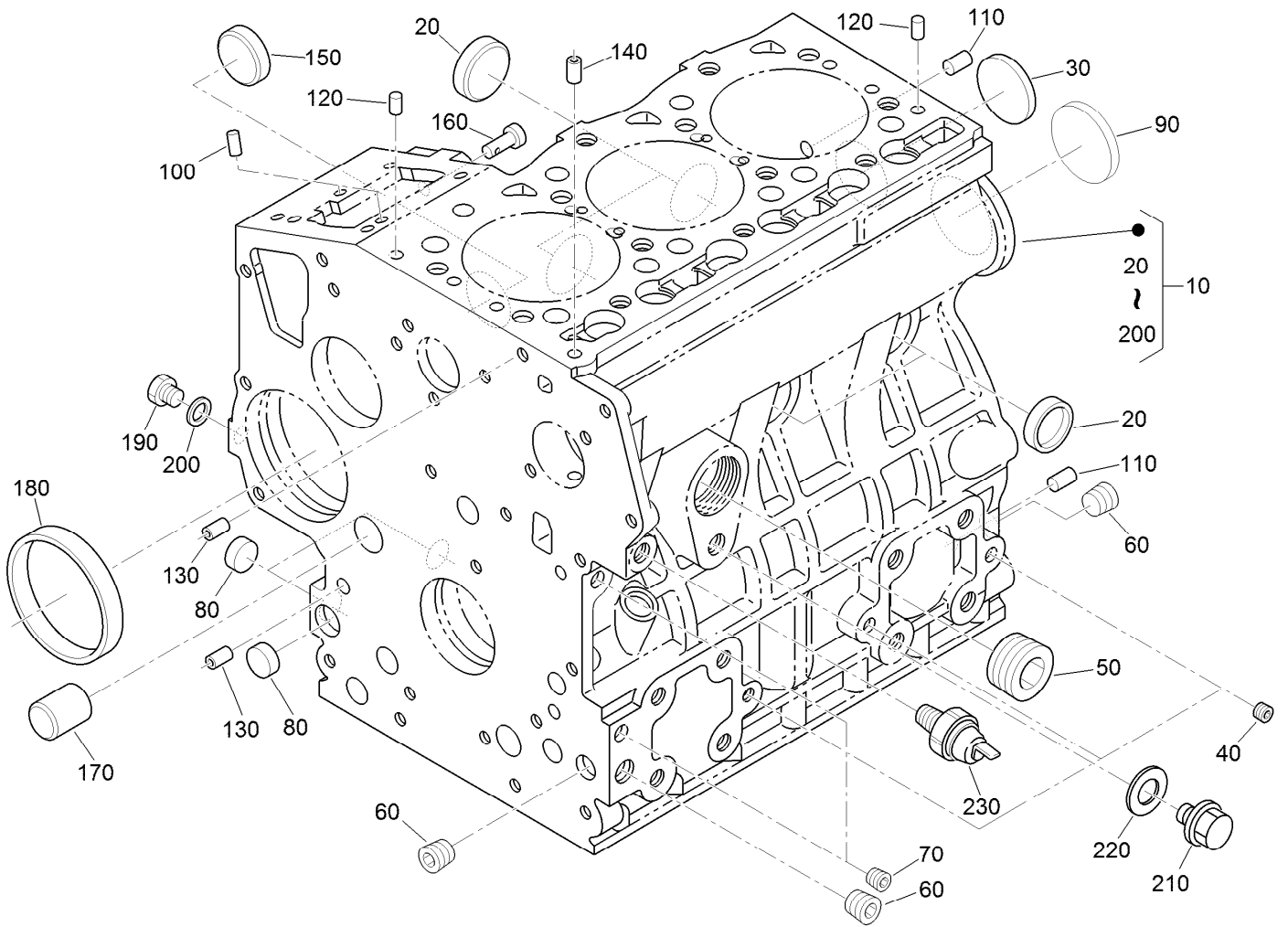
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	99-3586	1	Plunger	13:1	60-6410	1	O-Ring
3	58-6310	1	Spacer	14	99-3531	1	Spring
4		1	Spool ●	17	99-3587	1	Spring
5	58-6330	1	Seat	18	60-6450	1	Disc
5:1	58-6340	1	O-Ring	19	353-989	1	Plug-Hex, Hollow
6	58-6350	1	Plug	20	65-2770	1	Washer
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



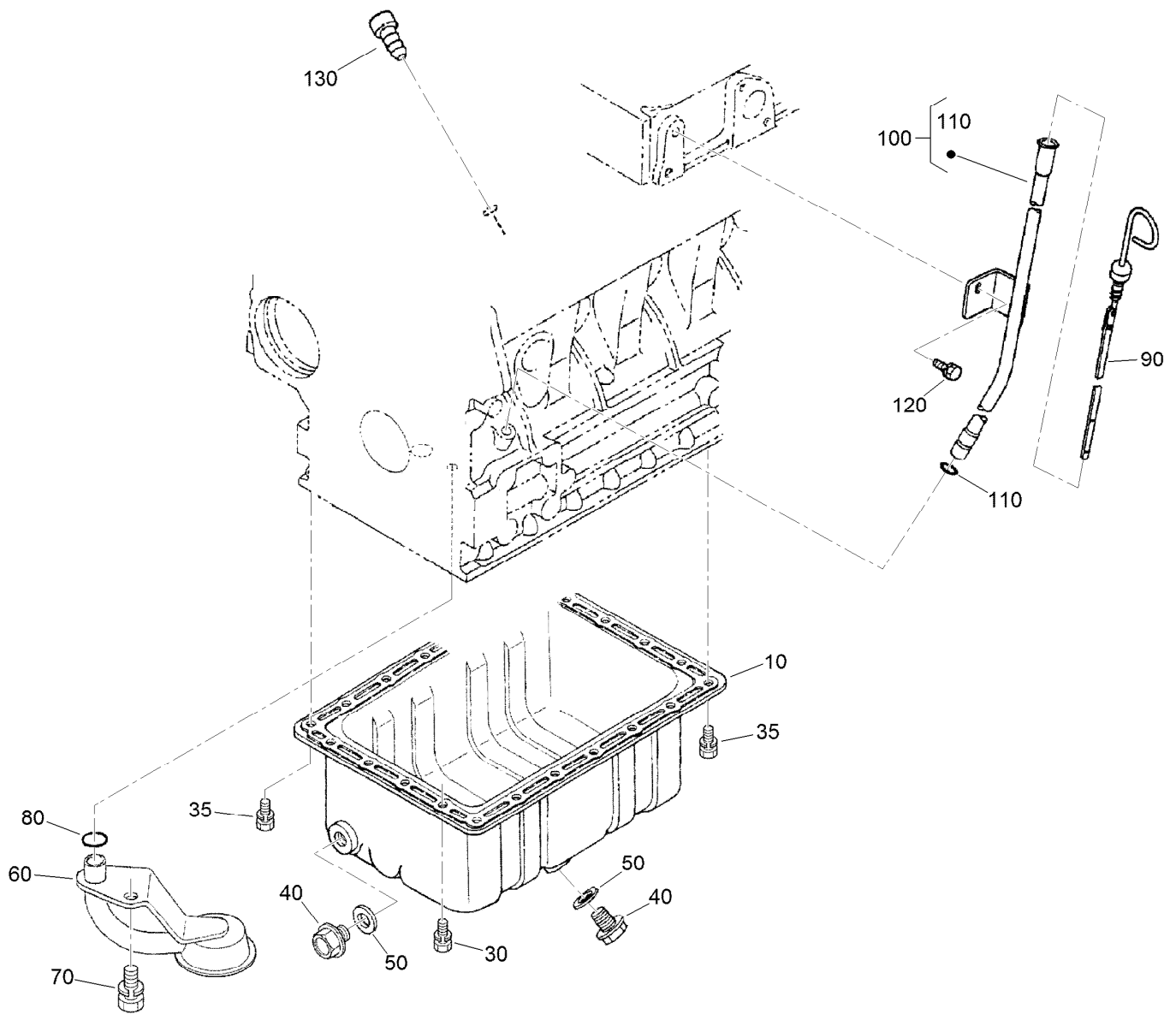
Seat Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	104-4620	1	Seat	20:2	92-7301	1	Spacer
2	100-4928	1	Belt-Seat	20:3	69-1180	1	Armrest
3	3234-14	4	Screw-HHF	20:4	323-9	1	Screw-HH
5	104-8300	4	Nut-HF, NI	20:5	32128-19	1	Nut-HF Lock, Large Flg
6	92-8990	1	Adjuster-Seat, Non-Locking	20:7	3256-24	1	Washer-Flat
7	92-8991	1	Adjuster (W/Latch)	20:8	92-7318	1	Screw
8	3212-4	2	Screw-HH	21	92-7306	1	RH Armrest ASM
9	3253-6	2	Washer-Lock	21:1	69-0770	1	Bracket-Arm, RH
11	92-6282	1	Switch-Seat	21:2	92-7301	1	Spacer
12	32144-10	2	Screw-HWH	21:3	69-1180	1	Armrest
13	104-4847-03	2	Strap-Support, Seat	21:4	323-9	1	Screw-HH
14	95-8896	2	Foam	21:5	32128-19	1	Nut-HF Lock, Large Flg
15	3234-11	4	Screw-HHF	21:7	3256-24	1	Washer-Flat
19	104-4833-03	1	Shield-Heat	21:8	92-7318	1	Screw
20	92-7307	1	LH Armrest ASM	22	3234-14	6	Screw-HHF
20:1	69-0760	1	Bracket-Arm, LH	99	3290-378	1	Tie-Cable



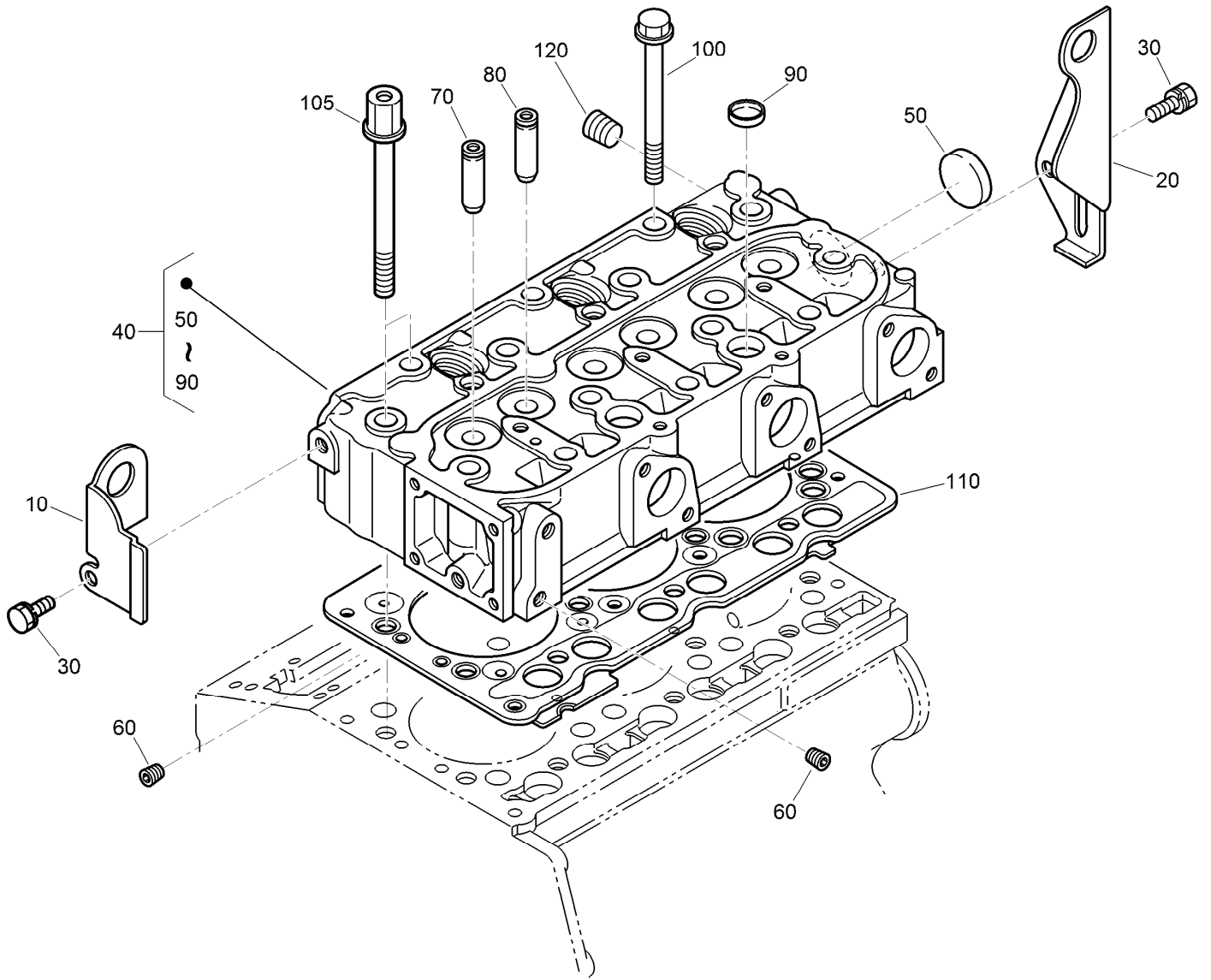
Crankcase Assembly

<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>
10	115-3443	1	Crankcase ASM	130	98-9387	2	Pin-Pipe
20	98-9398	4	Cap-Sealing	140	98-9539	1	Pin-Pipe
30	98-7539	1	Cap-Sealing	150	98-9599	1	Plug
40	98-9687	3	Plug	160	98-9630	1	Pin-Spring, Start
50	105-3779	1	Plug	170	98-9675	1	Plug
60	98-9597	3	Plug	180	98-9656	1	Bushing-Governor, Gear
70	98-7487	2	Plug	190	120-2559	1	Plug
80	98-9379	3	Plug-Expansion	200	98-7428	1	Gasket
90	98-9668	1	Plug-Expansion	210	99-3447	1	Plug
100	98-9375	2	Pin-Straight	220	106-7056	1	Gasket
110	98-9377	2	Pin-Straight	230	98-9416	1	Switch-Oil
120	98-9376	2	Pin-Straight				



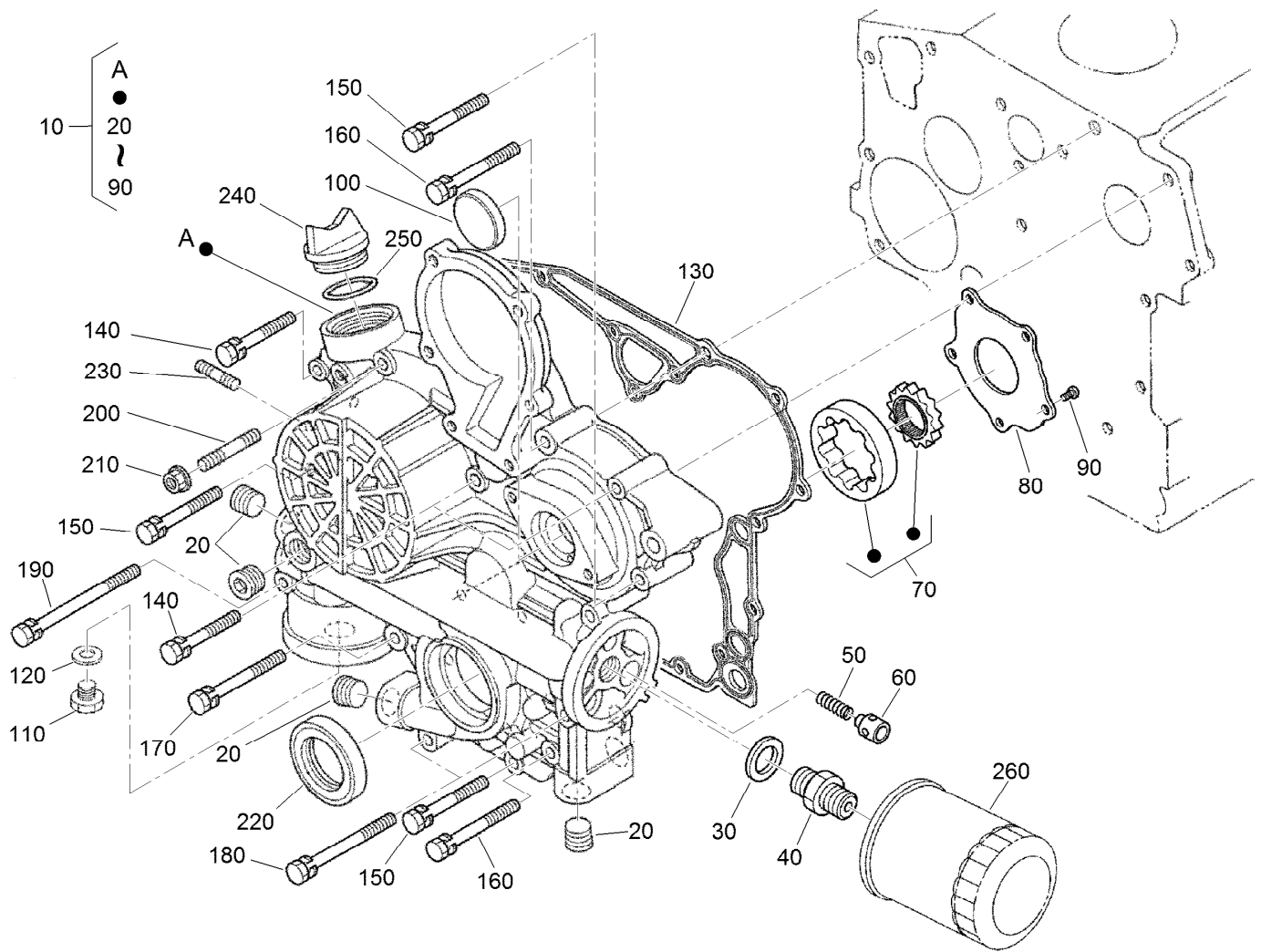
Oil Pan and Dipstick Assembly

Ref.	Part Number	Qty.	Description
10	98-9685	1	Pan-Oil
30	98-9351	20	Bolt
35	98-9351	2	Bolt
40	114-8151	1	Plug-Drain
50	98-7524	1	Gasket
60	108-1401	1	Base-Filter
70	98-7526	1	Bolt
80	105-3776	1	O-Ring
90	98-9670	1	Gauge-Oil
100	98-9672	1	Oil Gauge Guide ASM
110	98-9722	1	O-Ring
120	100-9195	1	Bolt
130	110-3720	1	Plug-Gauge, Oil



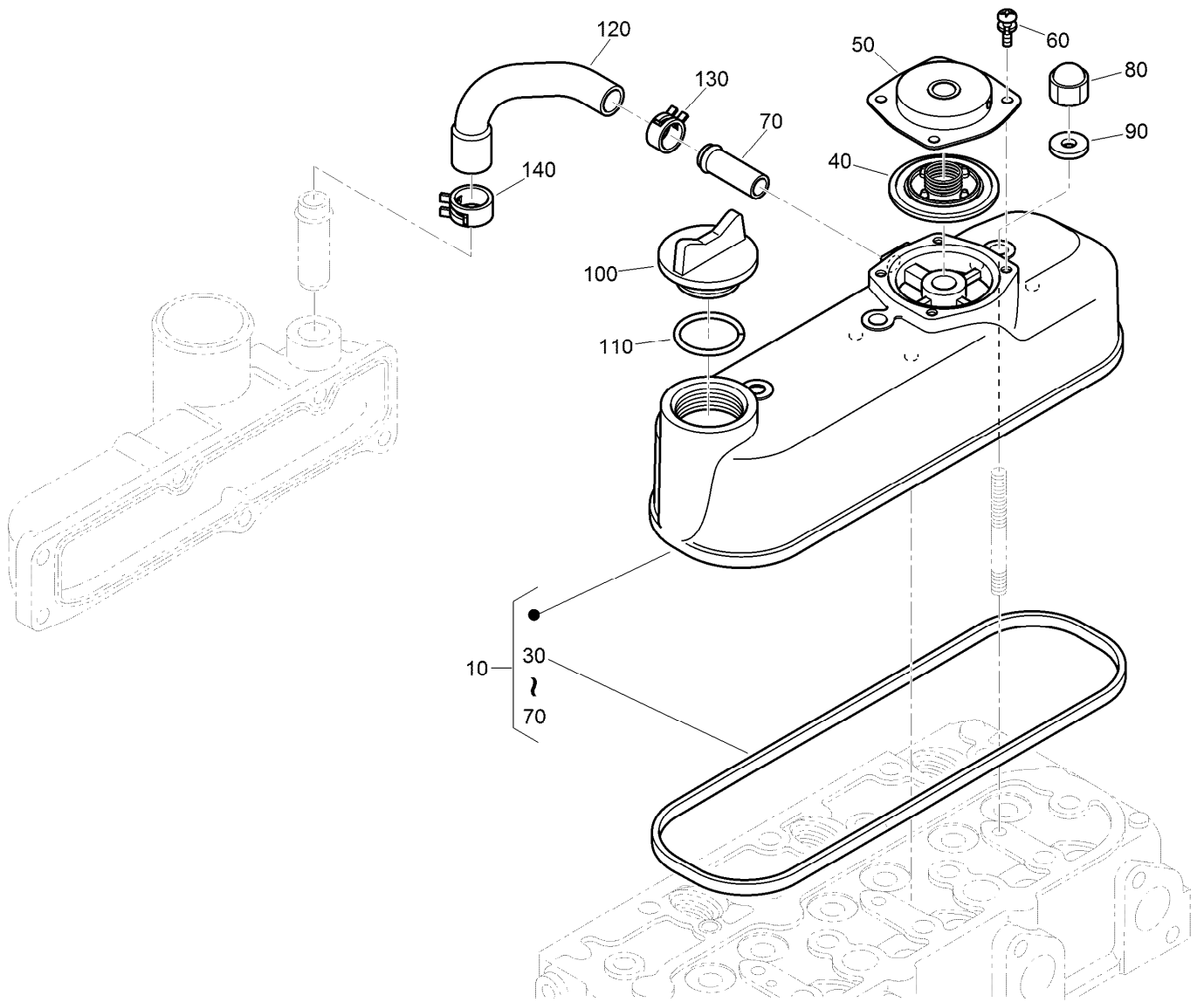
Cylinder Head Assembly

Ref.	Part Number	Qty.	Description
10	130-1231	1	Hook-Engine
20	98-9478	1	Hook-Engine
30	100-9195	2	Bolt
40	138-6997	1	Cylinder Head ASM
50	105-3705	1	Cap-Sealing
60	98-9687	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
105	98-9647	2	Bolt-Head, Cylinder
110	108-6573	1	Gasket-Head, Cylinder
120	98-9444	1	Plug



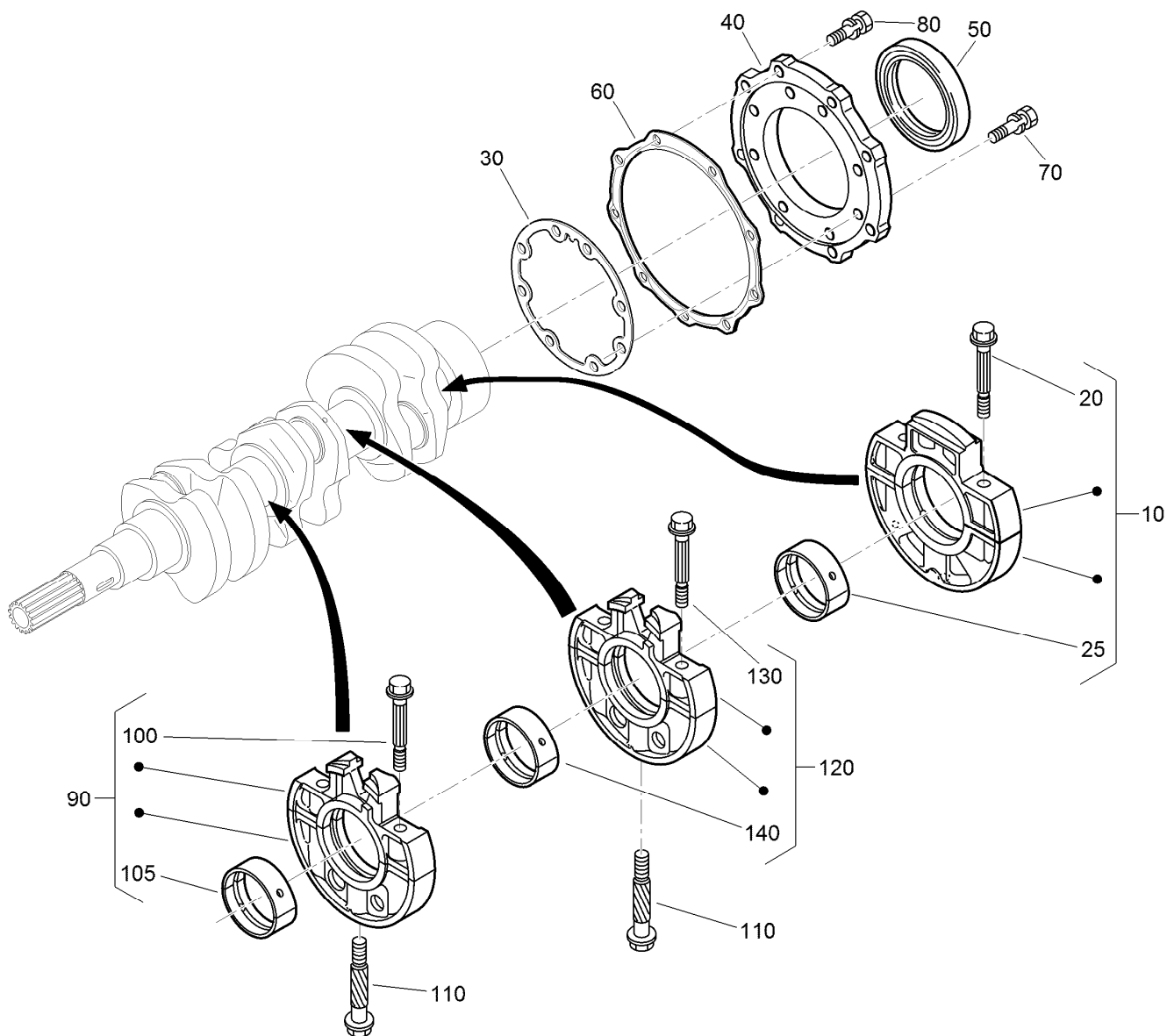
Gear Case and Oil Filter Cartridge Assembly

<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>
10	115-3442	1	Comp Gear Case	140	100-1765	3	Bolt
20	127-0425	5	Plug	150	125-9063	4	Bolt-Sems
30	98-7562	1	Washer-Plain	160	98-9356	2	Bolt
40	98-9388	1	Joint-Pipe	170	98-9437	1	Bolt
50	130-1511	1	Spring	180	99-3510	2	Bolt
60	130-1510	1	Valve-Relief	190	99-3511	1	Bolt
70	130-1508	1	Rotor ASM	200	105-3709	1	Stud
80	130-1509	1	Cover-Pump, Oil	210	100-2203	1	Nut-Flange
90	130-1164	5	Screw-Binding	220	119-8038	1	Seal-Oil
100	99-3515	1	Plug-Gearcase	230	105-3710	2	Stud
110	99-3450	1	Plug	240	107-9075	1	Plug-Filler, Oil
120	99-3451	1	Plug-Packing	250	99-3446	1	O-Ring
130	98-9633	1	Gasket-Case, Gear	260	127-0511	1	Filter-Oil



Cylinder Head Cover Assembly

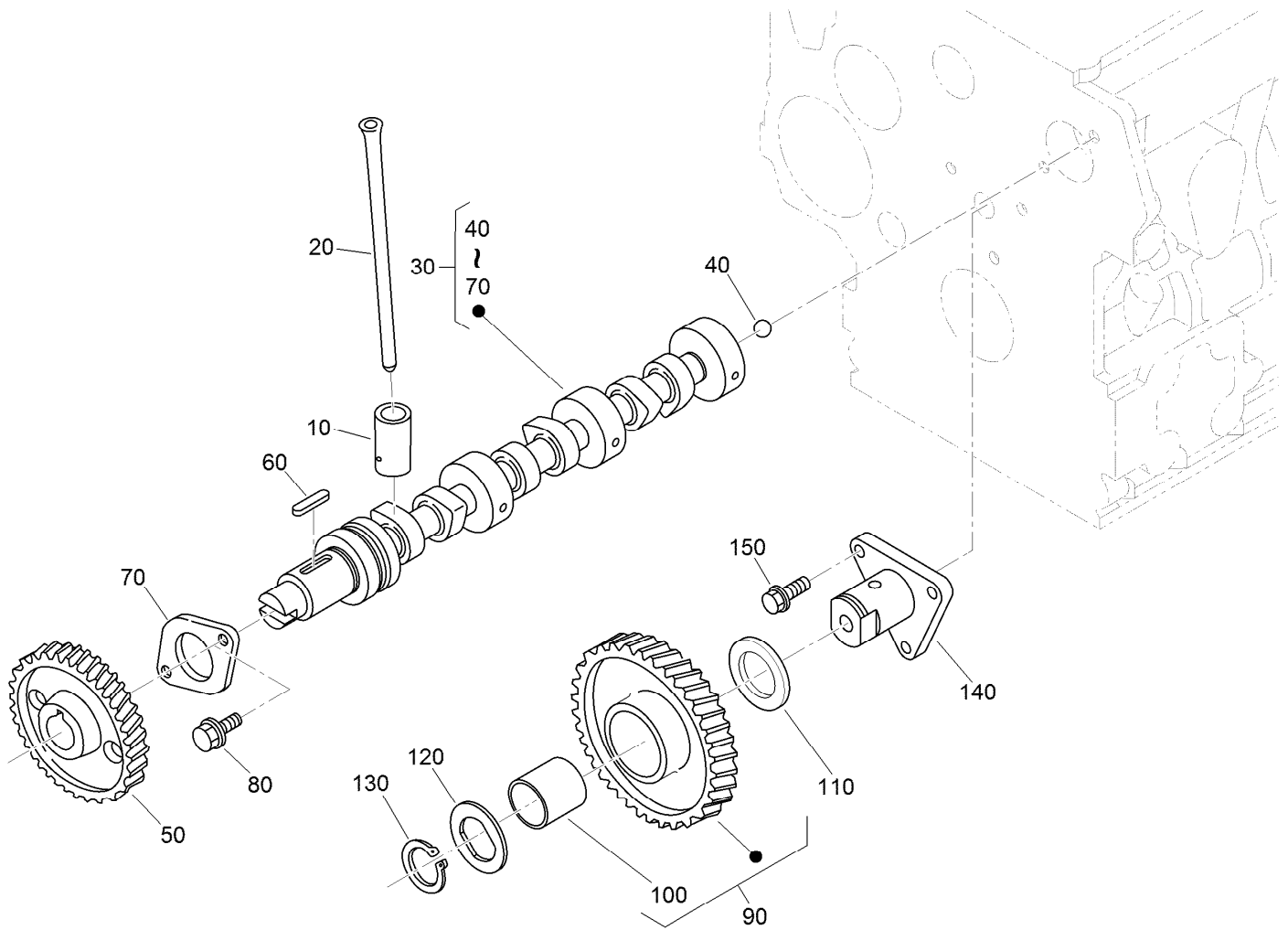
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	115-3446	1	Cylinder Head Cover ASM
30	98-9615	1	Gasket-Cover, Head
40	110-3715	1	Valve-Breather
50	110-3714	1	Cover-Breather
60	98-9364	4	Screw (With Washer)
70	98-7766	1	Pipe-Return, Water
80	98-9455	3	Nut-Cap
90	98-9454	3	Gasket
100	107-9075	1	Plug-Filler, Oil
110	99-3446	1	O-Ring
120	107-7836	1	Tube-Breather
130	108-2859	1	Clamp-Hose
140	108-2860	1	Clamp-Hose



Main Bearing Case Assembly

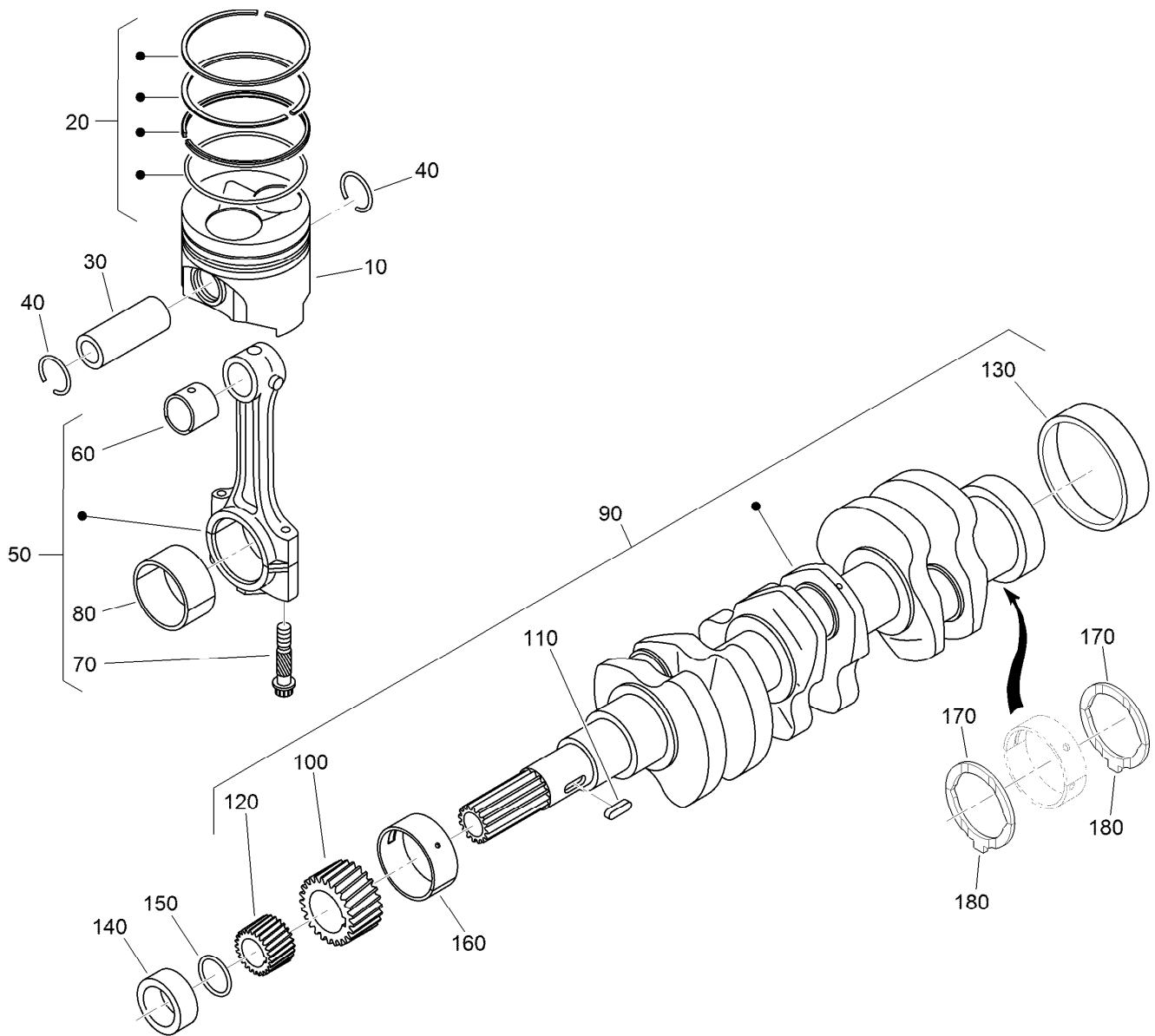
Ref.	Part Number	Qty.	Description
10	112-7026	1	Wheel Bearing Case ASM
20	98-9484	2	Bolt-Case, Bearing
25	115-4121	1	Metal-Crankshaft (STD)
25	112-7039	1	Metal-Crankshaft (0.2Mm)
25	112-7040	1	Metal-Crankshaft (-0.4Mm)
30	131-6554	1	Gasket-Case, Bearing
40	112-7046	1	Cover-Case, Bearing
50	112-0180	1	Seal-Oil
60	112-7037	1	Gasket-Cover, Case
70	127-0441	8	Bolt
80	127-0442	9	Bolt

Ref.	Part Number	Qty.	Description
90	115-4106	1	Main Bearing Case ASM
100	98-9484	2	Bolt-Case, Bearing
105	98-9524	1	Metal-Crankshaft (STD Set)
105	127-0433	1	Metal-Crankshaft (-0.2MM)
105	98-9531	1	Bearing-Main (0.4MM)
110	98-9485	2	Bolt-Case, Bearing
120	115-4107	1	Main Bearing Case ASM
130	98-9484	2	Bolt-Case, Bearing
140	98-9524	1	Metal-Crankshaft (STD Set)
140	127-0433	1	Metal-Crankshaft (-0.2MM)
140	98-9531	1	Bearing-Main (0.4MM)



Camshaft and Idle Gear Shaft Assembly

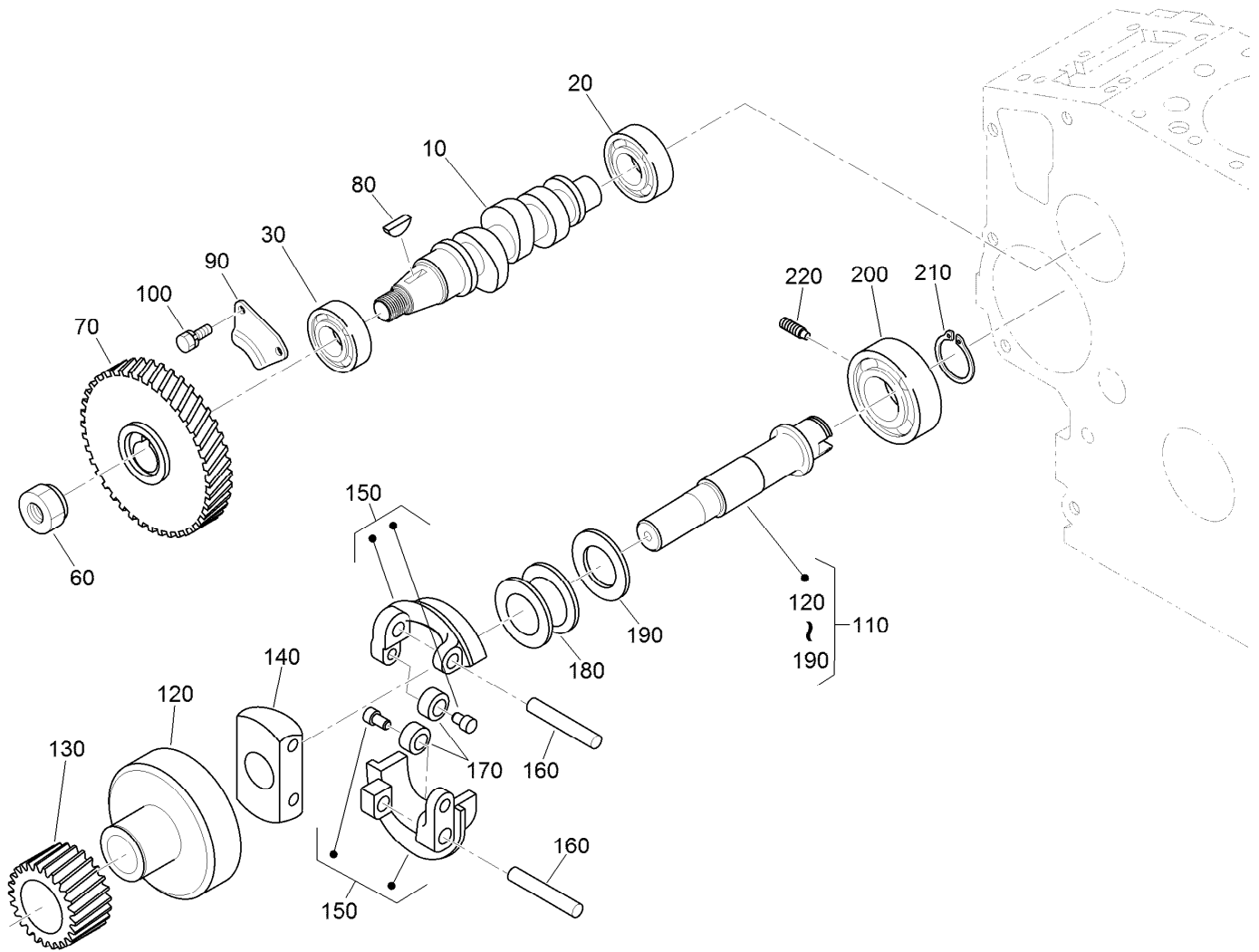
Ref.	Part Number	Qty.	Description
10	112-0185	6	Tappet
20	127-0421	6	Rod-Push
30	130-1505	1	Camshaft ASM
40	110-3729	1	Ball
50	98-9512	1	Gear-Cam
60	98-9378	1	Key-Feather
70	98-9510	1	Stopper-Camshaft
80	98-7692	2	Bolt
90	117-7584	1	Idler Gear ASM
100	117-7585	1	Bushing-Gear, Idle
110	98-9535	1	Collar-Gear, 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



Piston and Crankshaft Assembly

Ref.	Part Number	Qty.	Description
10	130-1546	3	Piston (STD)
10	130-1549	3	Piston (+0.50MM)
20	130-1506	3	Piston Ring ASM (STD)
20	130-1507	3	Piston Ring ASM (+0.50MM)
30	98-9513	3	Pin-Piston
40	98-9514	6	Circlip-Pin, Piston
50	117-7586	3	Connecting Rod ASM
60	115-3014	3	Bushing-Pin, Piston
70	98-9517	6	Bolt-Rod, Connecting
80	98-9553	3	Bearing-Rod (STD)
80	98-9519	3	Bearing-Rod (-0.2MM)
80	117-7588	3	Metal-Crankpin (-0.4MM)
90	130-1375	1	Crankshaft ASM
100	117-7561	1	Gear-Crankshaft

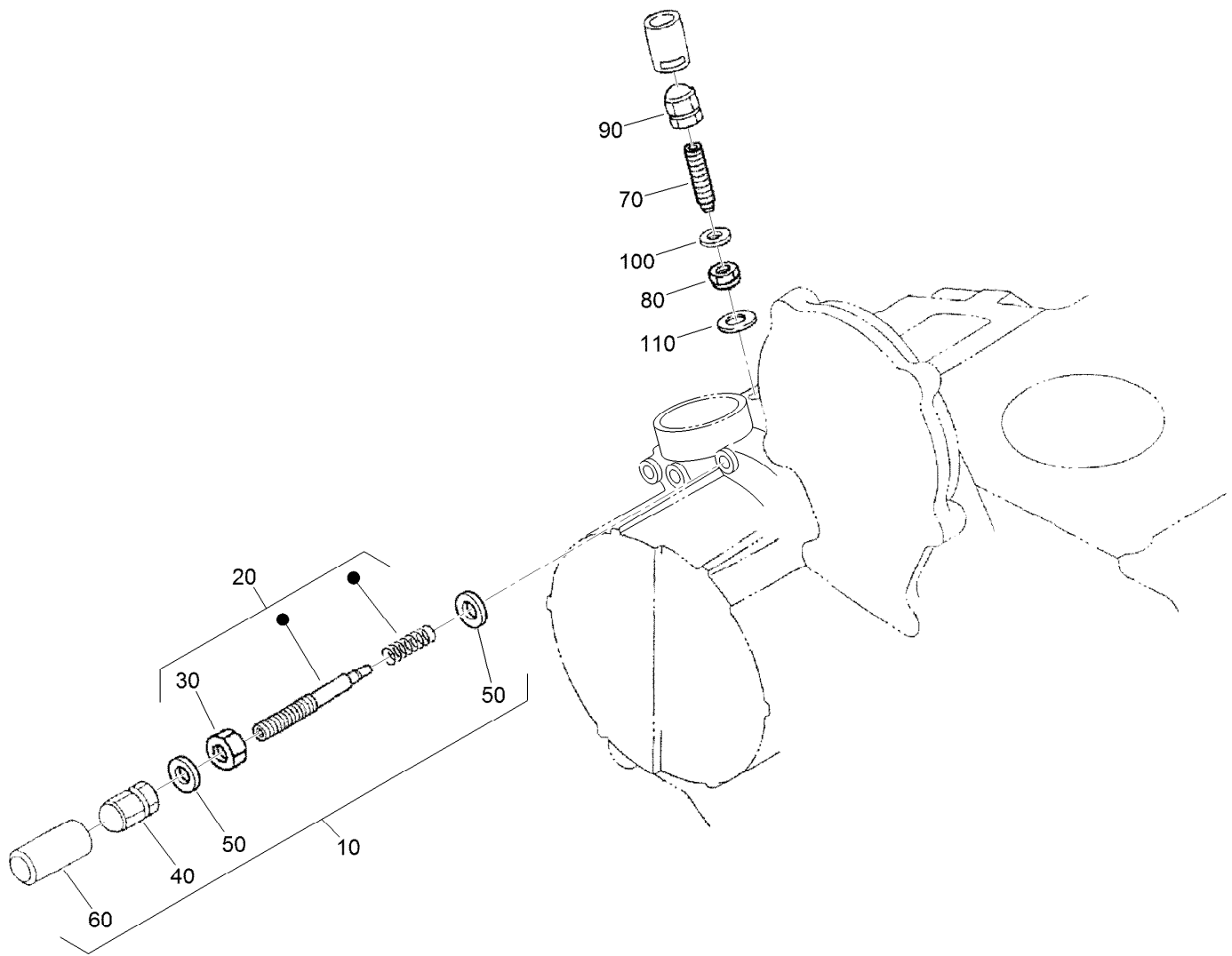
Ref.	Part Number	Qty.	Description
110	98-9666	1	Key
120	127-0445	1	Gear-Drive, Oil Pump
130	98-9522	1	Sleeve-Crankshaft
140	127-0444	1	Collar-Crankshaft
150	105-3783	1	O-Ring
160	112-7005	1	Bearing-Main (STD)
160	98-9528	1	Bearing-Main (-0.2MM)
160	127-0432	1	Metal-Crankshaft (-0.4MM)
170	98-9413	2	Bearing-Thrust (STD)
170	127-0416	2	Metal-Side (+0.2Mm)
170	127-0417	2	Metal-Side (+0.40Mm)
180	98-9688	2	Bearing-Thrust (STD)
180	127-0437	2	Metal-Side (+0.2MM)
180	127-0438	2	Metal-Side (+0.40MM)



Fuel Camshaft and Governor Shaft Assembly

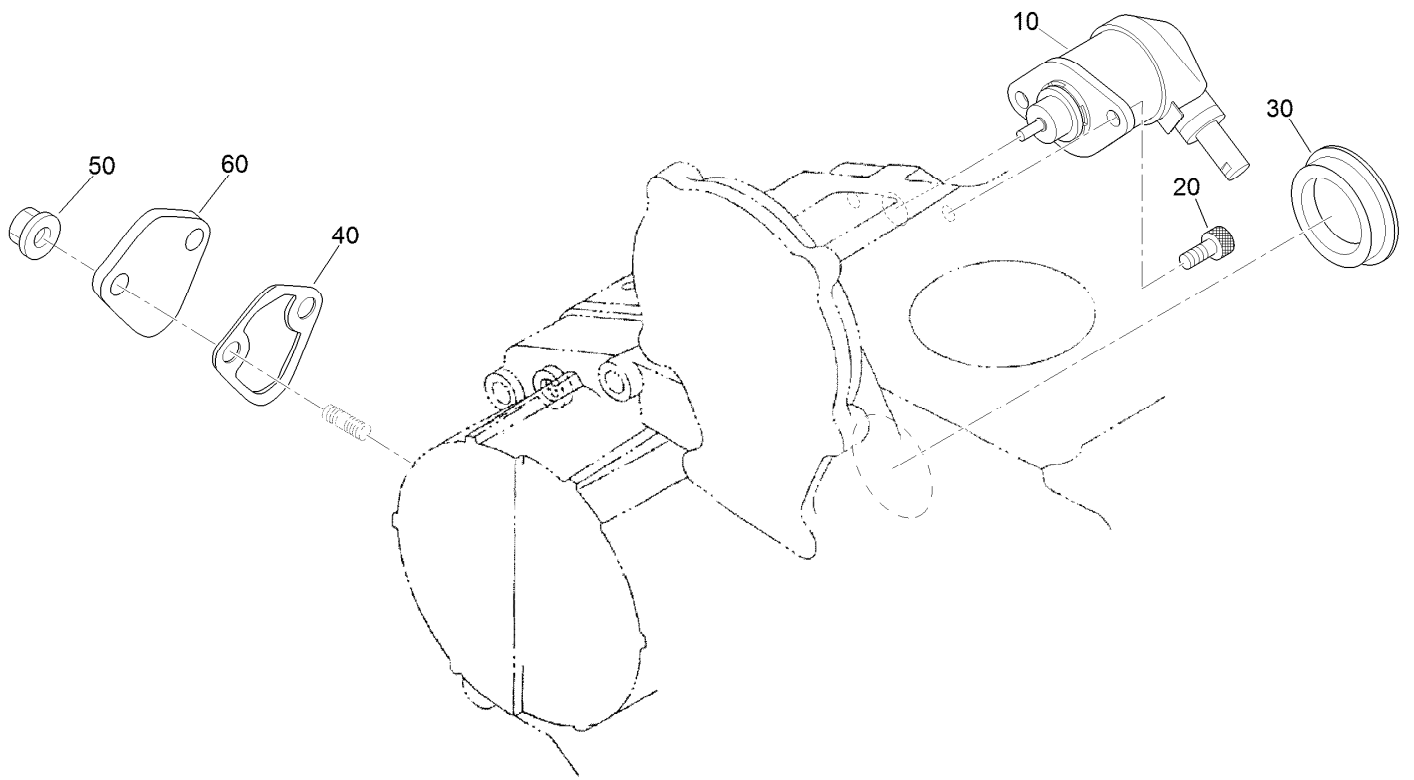
Ref.	Part Number	Qty.	Description
10	98-9459	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
60	130-1512	1	Nut
70	130-1378	1	Gear-Injection Pump
80	98-9595	1	Key-Woodruff
90	98-9511	1	Stopper-Fuel, Camshaft
100	98-7692	2	Bolt
110	98-9644	1	Governor Shaft ASM
120	98-9562	1	Holder-Gear, Governor

Ref.	Part Number	Qty.	Description
130	98-9673	1	Gear-Governor
140	98-9561	1	Holder-Weight, Governor
150	130-1240	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



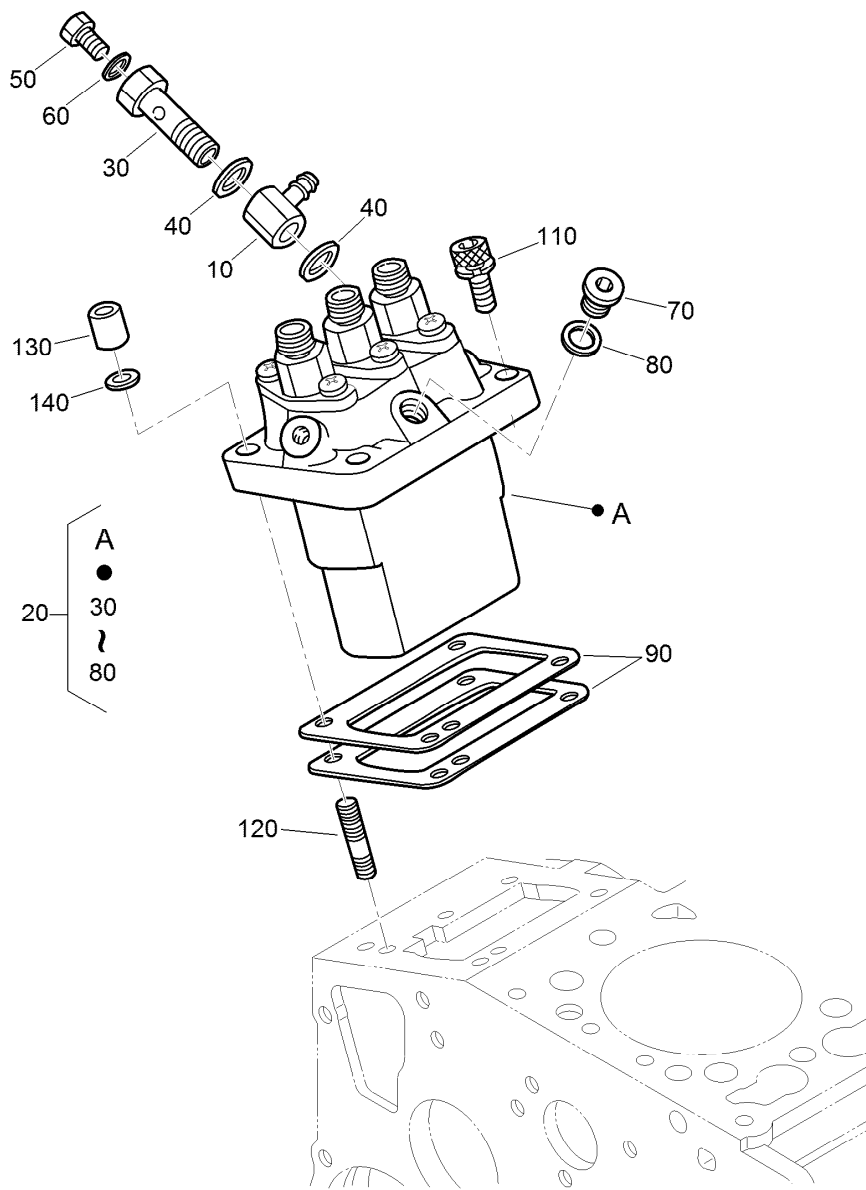
Idle Apparatus Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	107-7838	1	Apparatus-Idling
20	130-1253	1	Adjusting Bolt ASM
30	98-9439	1	Nut
40	112-0181	1	Nut
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	112-7015	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	112-0181	1	Nut
100	98-7654	1	Gasket
110	107-9081	1	Gasket



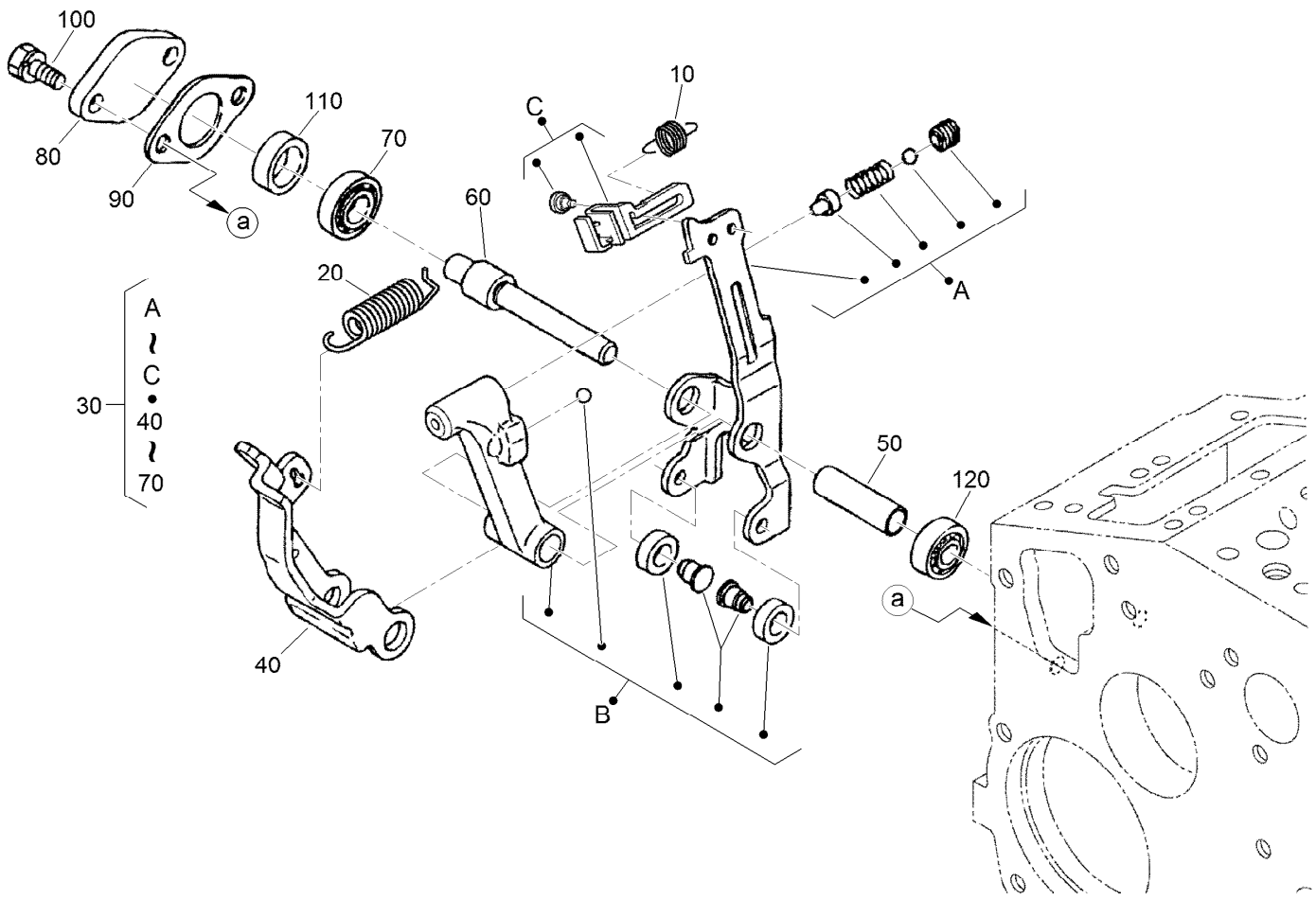
Stop Solenoid and Fuel Pump Cover Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	104-5155	1	Solenoid-Stop
20	130-1155	2	Screw-HSH
30	99-3514	1	Cover
40	117-7562	1	Gasket-Pump, Fuel
50	100-2203	2	Nut-Flange
60	112-7016	1	Cover-Pump



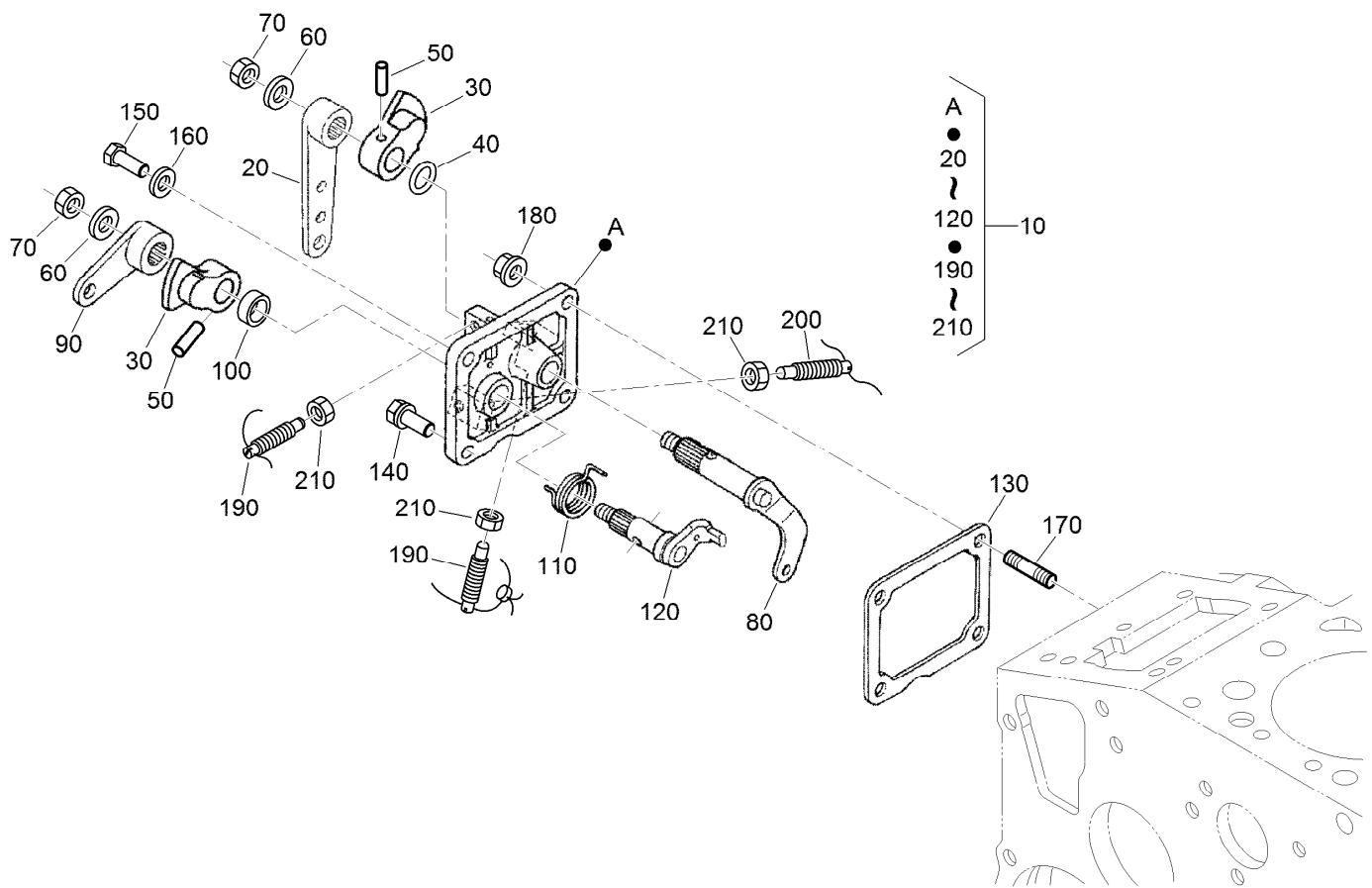
Injection Pump Assembly

<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>
10	98-9596	1	Joint-Eye	90	98-9457	1	Shim-Injection (0.25MM)
20	98-9643	1	Injection Pump ASM	90	98-9458	1	Shim-Injection (0.30MM)
30	98-9464	1	Bolt-Joint	90	115-3046	1	Shim-Injection (0.35MM)
40	98-9445	2	Gasket	90	115-3045	1	Shim-Injection (0.175MM)
50	98-9430	1	Screw	110	117-7564	2	Bolt-Hex Soc HD
60	98-9446	1	Gasket	120	98-9438	2	Stud
70	98-9466	1	Plug	130	98-9440	2	Nut-Cap
80	98-9451	1	Gasket	140	98-7699	2	Washer-Spring
90	98-9456	1	Shim-Injection (0.20MM)				



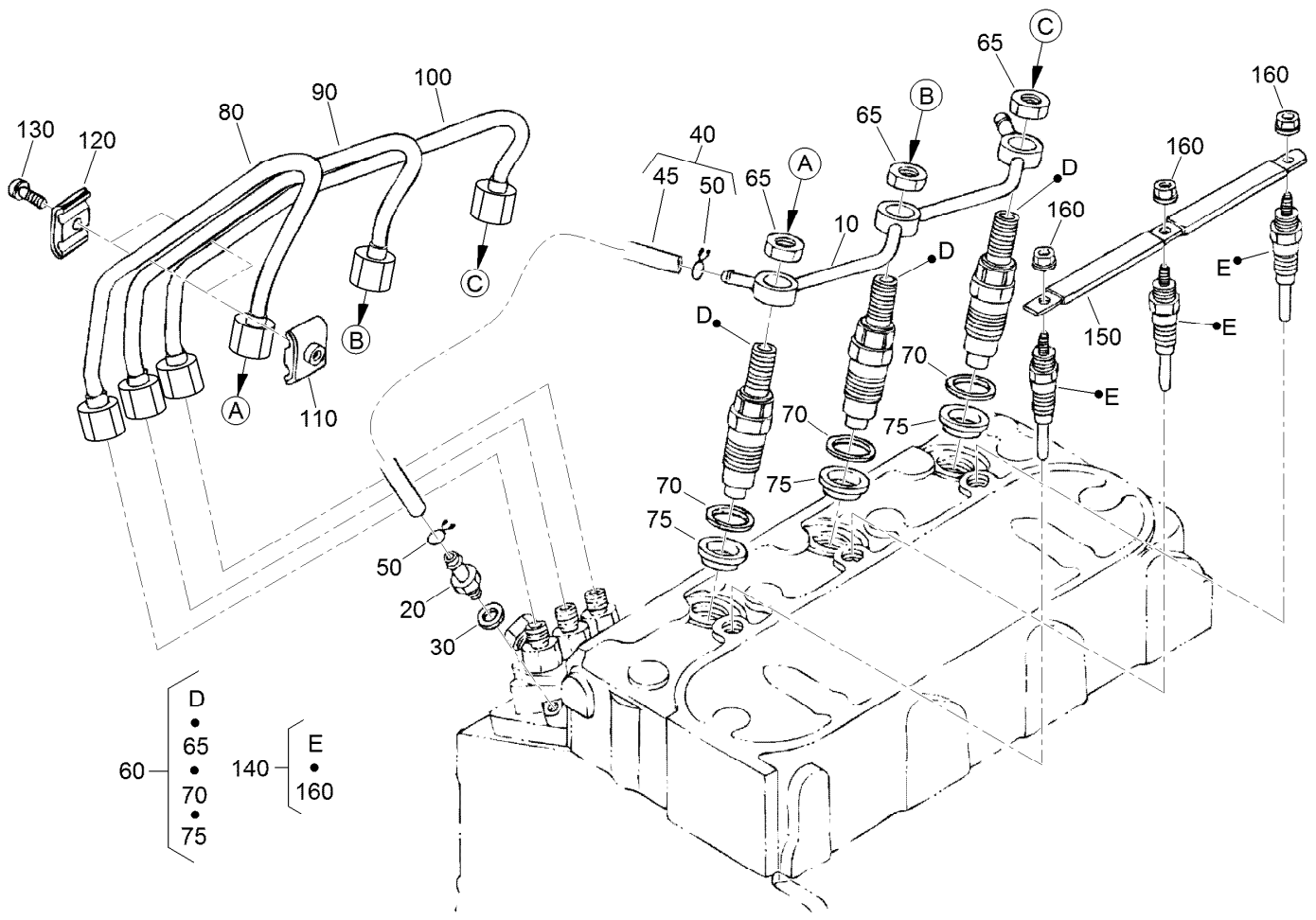
Governor Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	105-3786	1	Spring-Start
20	107-7839	1	Spring-Governor
30	107-7840	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	115-4122	1	Cover-Shaft, Fork Lever
90	98-9682	1	Gasket
100	98-9350	2	Bolt
110	98-9567	1	Collar
120	98-9571	1	Bearing-Miniaturize



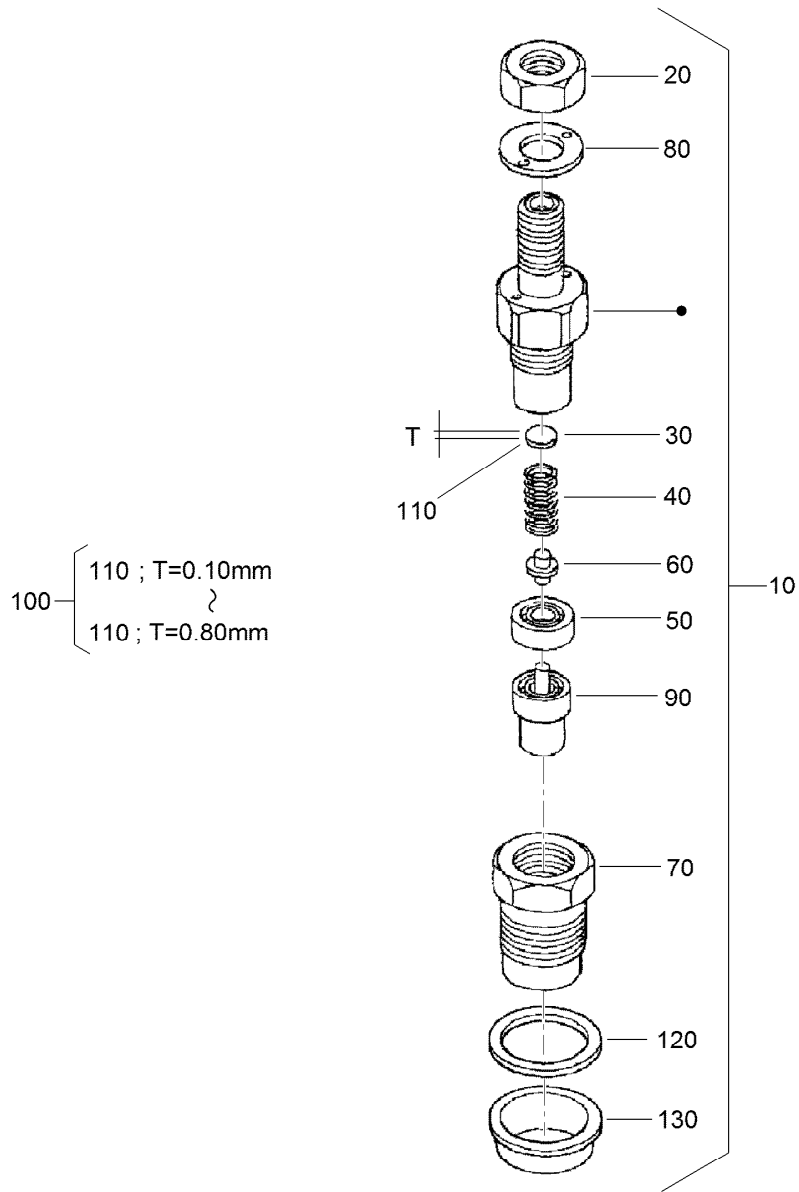
Speed Control Plate Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
10	105-3735	1	Control Plate ASM	120	98-9664	1	Shaft-Lever, Stop
20	98-9662	1	Lever-Control, Speed	130	98-9637	1	Gasket
30	98-9572	2	Lever-Control, Speed	140	98-7692	1	Bolt
40	105-3788	1	O-Ring	150	127-0401	1	Bolt-Hex
50	98-7602	2	Pin-Spring	160	98-7654	1	Gasket
60	98-9594	2	Washer-Plain	170	105-3710	2	Stud
70	98-9589	2	Nut	180	100-2203	2	Nut-Flange
80	98-9658	1	Governor Lever ASM	190	117-7565	2	Bolt-Adjusting
90	98-9663	1	Lever-Stop, Engine	200	117-7566	1	Bolt-Adjusting
100	98-7601	1	Seal-Oil	210	98-7572	3	Nut
110	98-9472	1	Spring-Return				



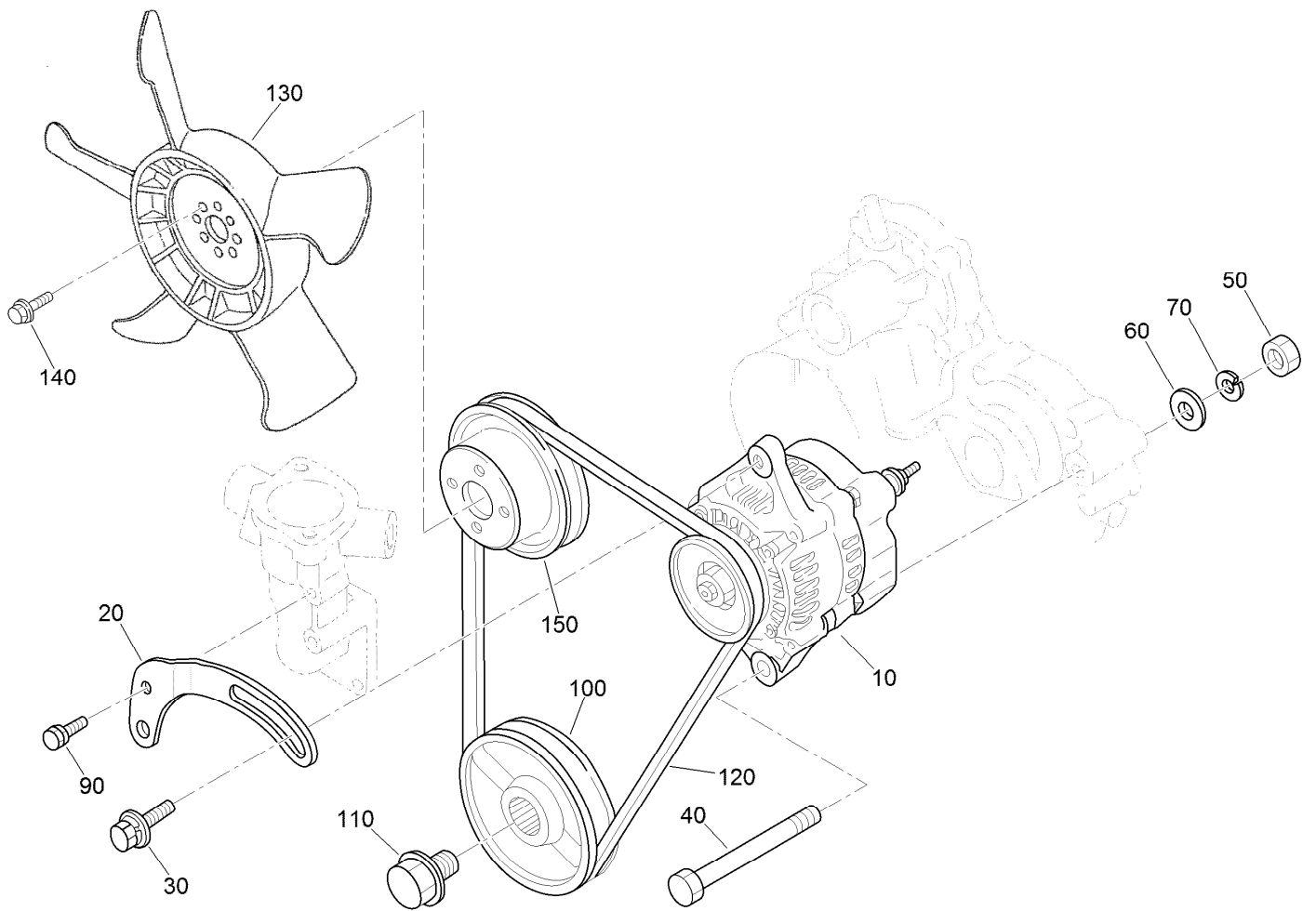
Nozzle Holder and Glow Plug Assembly

<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>
10	98-9620	1	Overflow Pipe ASM	80	98-9622	1	Pipe-Injection
20	98-9431	1	Screw-Bleeder, Air	90	98-9654	1	Pipe-Injection
30	98-7654	1	Gasket	100	98-9655	1	Pipe-Injection
40	98-9420	1	Overflow Pipe ASM	110	98-7682	2	Clamp-Pipe
45	112-0182	1	Pipe-Overflow	120	98-7683	2	Clamp-Pipe
50	98-7671	2	Clip-Pipe	130	98-7684	2	Screw (W/Washer)
60	115-3018	3	Nozzle Holder Kit	140	130-1411	3	Plug-Glow
65	121-2411	3	Nut	150	98-9631	1	Cord-Plug, Glow
70	98-7676	3	Gasket	160	99-8377	3	Nut-Flange
75	98-7677	3	Seal-Heat				



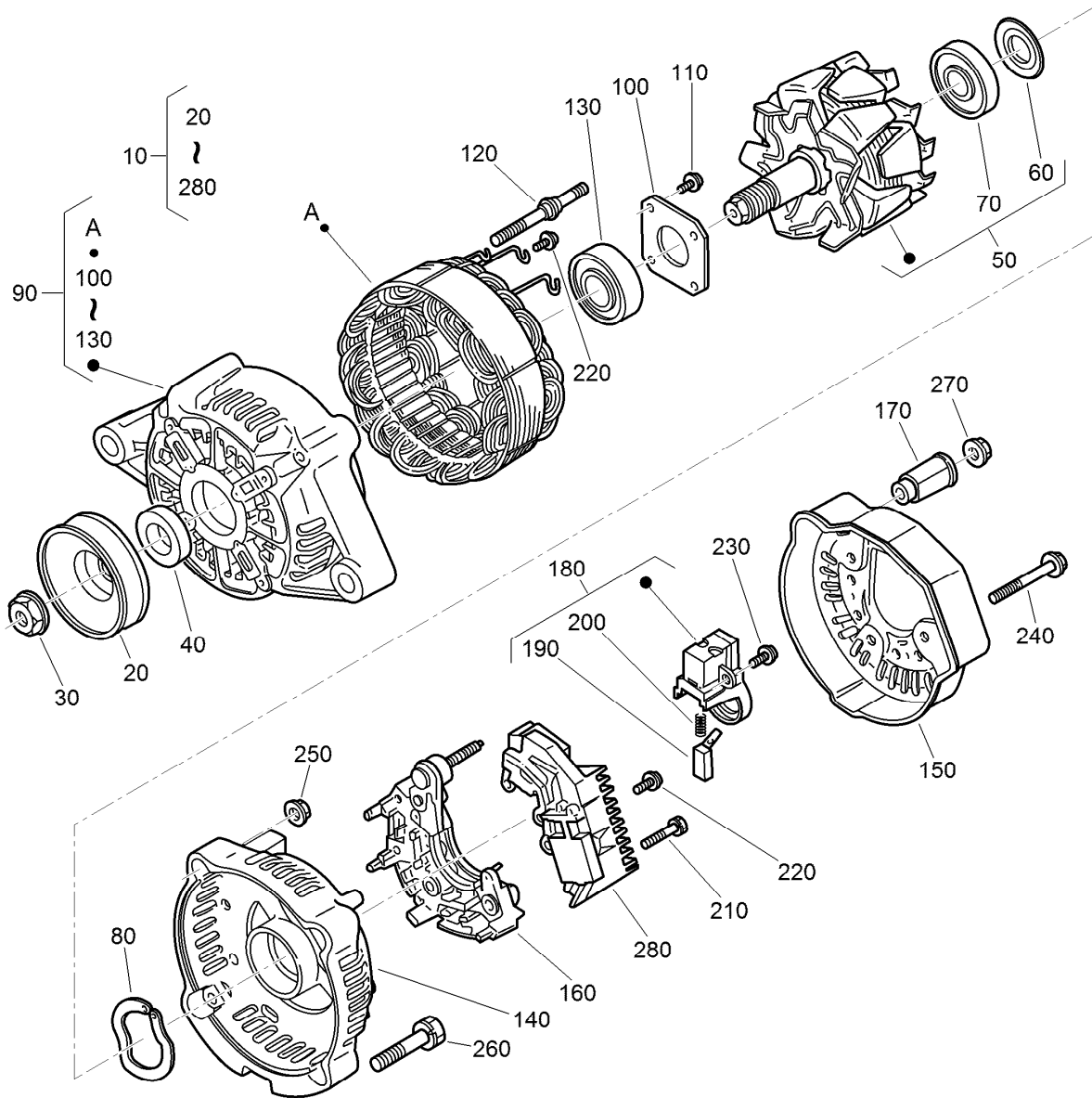
Nozzle Holder Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
10	115-3018	3	Nozzle Holder Kit	110	99-8311	3	Washer-Adjust (0.20MM)
20	121-2411	3	Nut	110	99-8312	3	Washer-Adjust (0.30MM)
30	99-8302	3	Washer-Adjusting	110	99-8313	3	Washer-Adjust (0.40MM)
40	99-8303	3	Spring-Nozzle	110	99-8314	3	Washer-Adjust (0.50MM)
50	99-8304	3	Spacer-Distance	110	99-8315	3	Washer-Adjust (0.52MM)
60	99-8305	3	Rod-Push	110	99-8316	3	Washer-Adjust (0.54MM)
70	99-8306	3	Nut-Nozzle	110	99-8317	3	Washer-Adjust (0.56MM)
80	99-8307	3	Washer-Plain	110	99-8318	3	Washer-Adjust (0.58MM)
90	115-3020	3	Piece-Nozzle	110	99-8319	3	Washer-Adjust (0.80MM)
100	99-8309	3	Adjusting Washer ASM	120	98-7676	3	Gasket
110	99-8310	3	Washer-Adjust (0.10MM)	130	98-7677	3	Seal-Heat



Alternator, Pulley and Fan Assembly

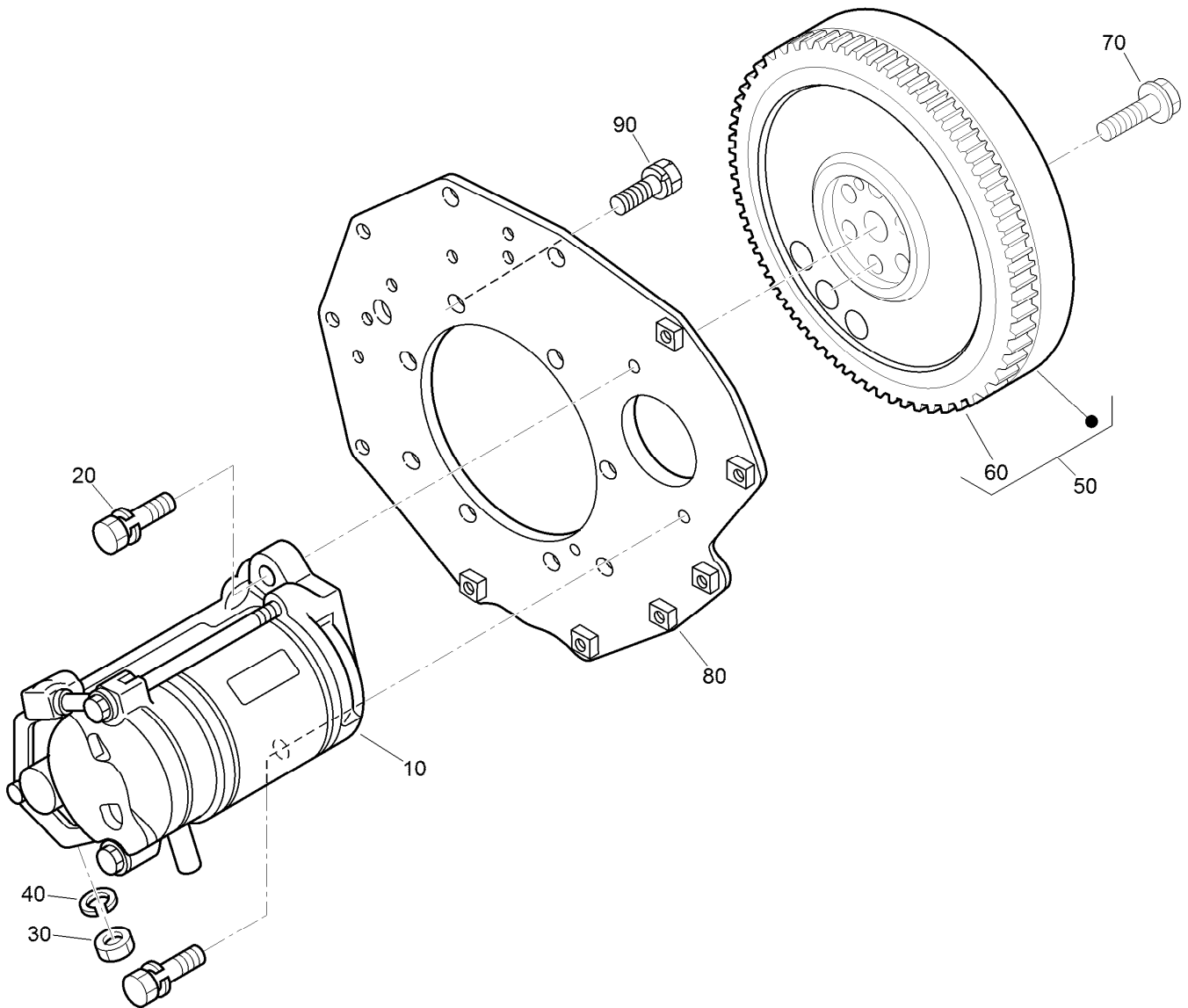
Ref.	Part Number	Qty.	Description
10	131-6557	1	Alternator ASM
20	112-7047	1	Stay-Dynamo
30	108-7088	1	Bolt
40	98-9360	1	Bolt
50	98-7737	1	Nut
60	98-9366	1	Washer-Plain
70	98-7738	1	Washer-Spring
90	98-7692	1	Bolt
100	99-3456	1	Pulley-Drive, Fan
110	98-9585	1	Bolt
120	130-1241	1	V Belt
130	99-3461	1	Fan
140	99-8363	4	Bolt-Flange
150	99-3453	1	Pulley-Fan



Alternator Components Assembly

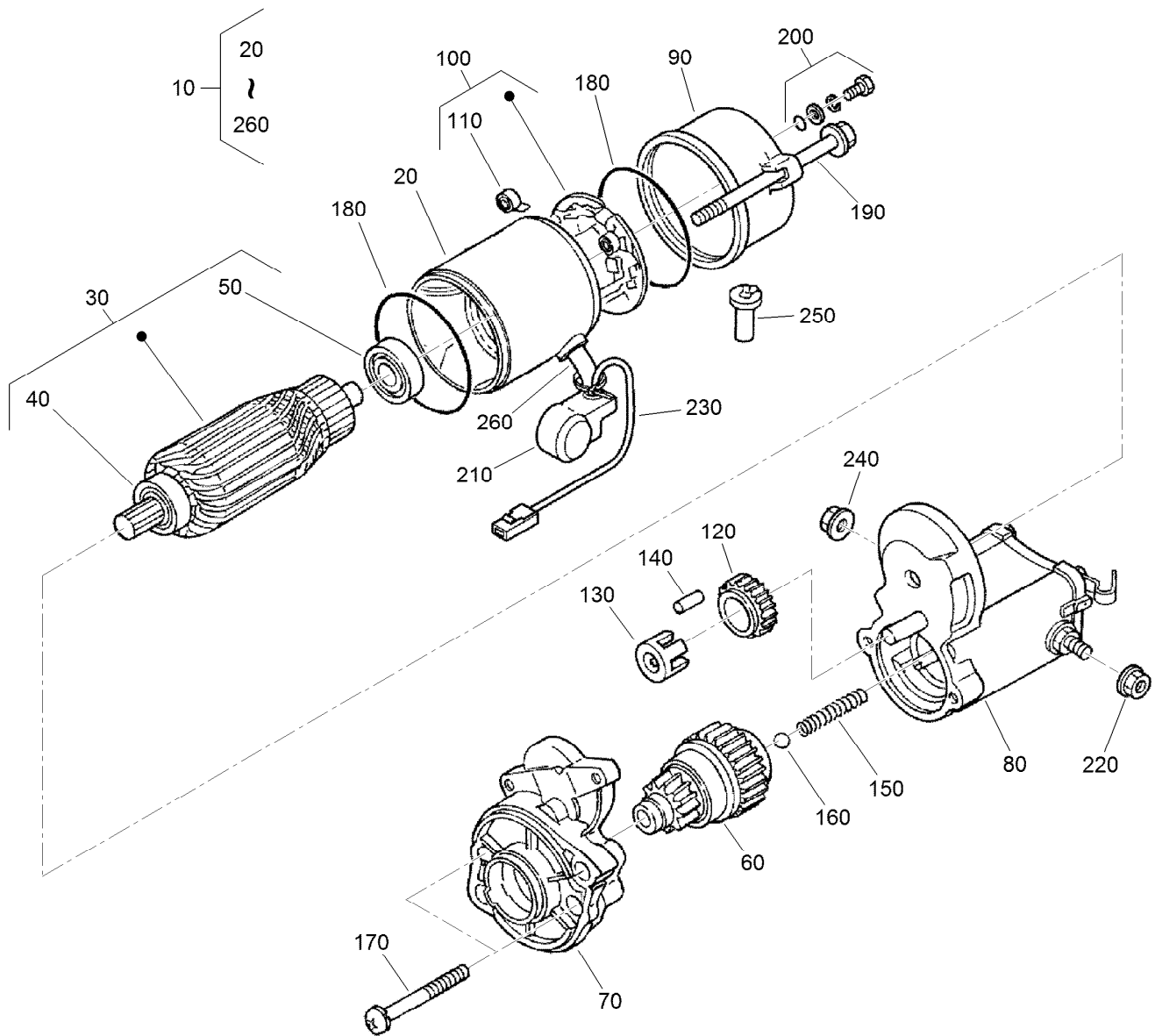
Ref.	Part Number	Qty.	Description
10	131-6557	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	133-2811	1	Bearing
140	107-9087	1	Frame-End

Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	127-1612	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	110-3799	1	Regulator ASM



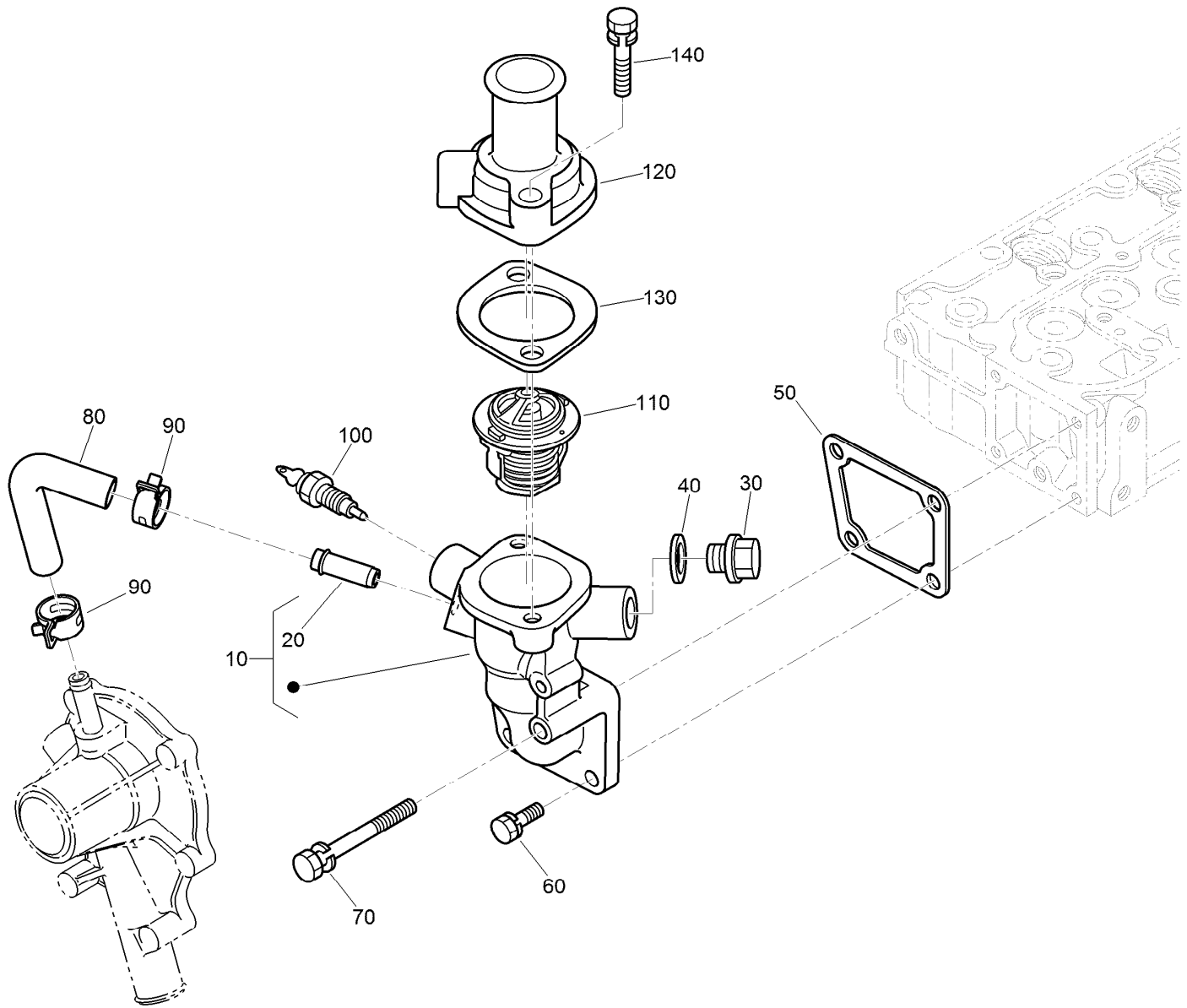
Starter and Flywheel Assembly

Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	98-7697	2	Bolt
30	98-7739	1	Nut
40	105-2893	1	Washer-Spring
50	105-3784	1	Flywheel ASM
60	115-3015	1	Gear-Ring
70	98-9537	6	Bolt-Flywheel
80	98-9486	1	Plate-End, Rear
90	98-9392	8	Bolt



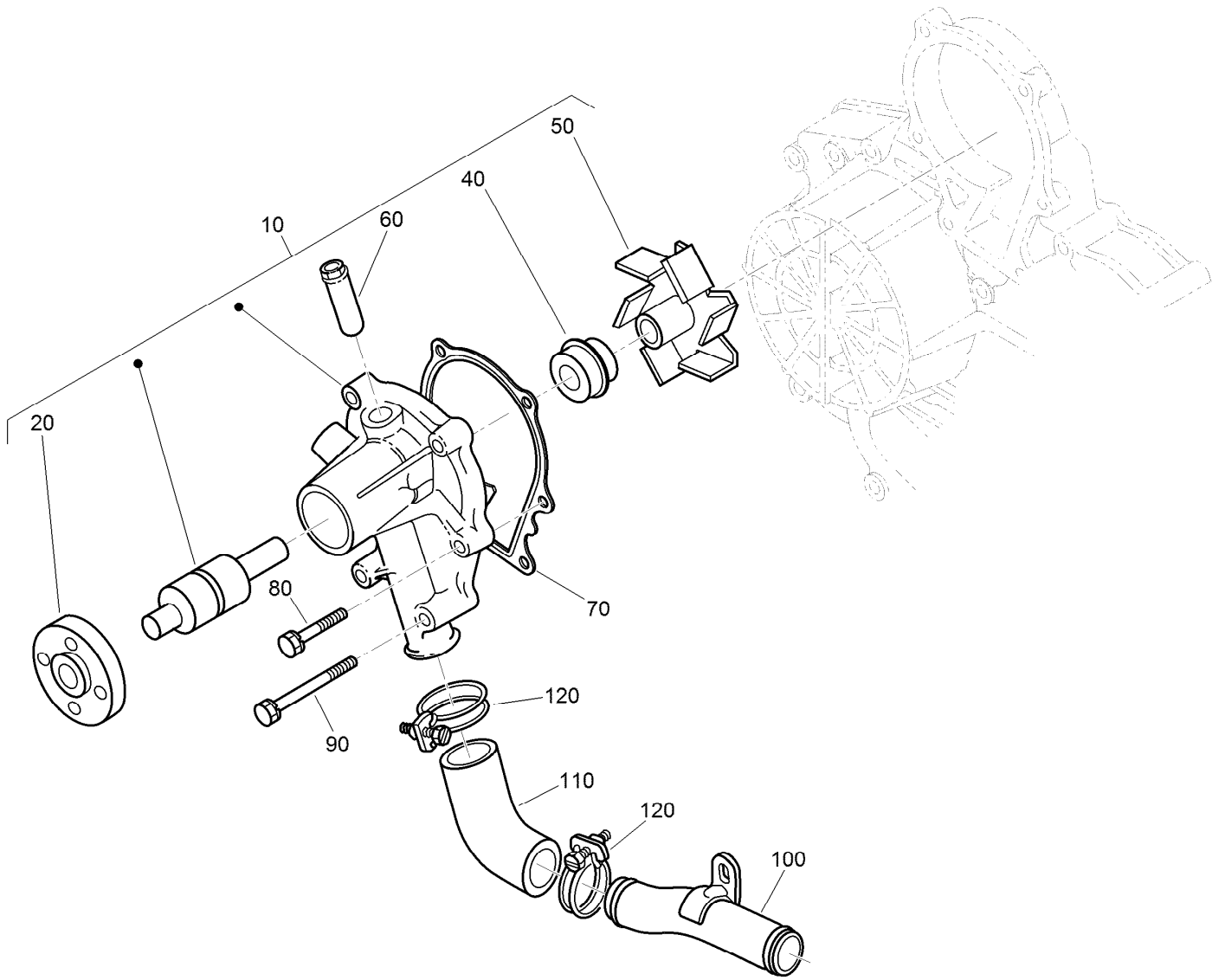
Starter Component Assembly

<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>
10	98-9705	1	Starter ASM	140	98-7753	5	Roller
20	104-8608	1	Yoke ASM	150	98-7754	1	Spring
30	98-7742	1	Armature ASM	160	98-7755	1	Ball
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	100-9240	2	Bolt
70	99-8374	1	Frame-End, Drive	200	98-7758	2	Bolt ASM
80	105-3746	1	Magnetic Switch ASM	210	99-8375	1	Cover
90	98-7748	1	Frame-End	220	99-8371	1	Nut-Hex
100	98-7749	1	Brush Holder ASM	230	98-9711	1	Cord-Solenoid, Stop
110	98-7750	4	Spring-Brush	240	99-8376	1	Nut-Hex
120	98-7751	1	Gear	250	98-7759	1	Pipe-Drain
130	98-7752	1	Retainer	260	98-9712	1	Band-Cover



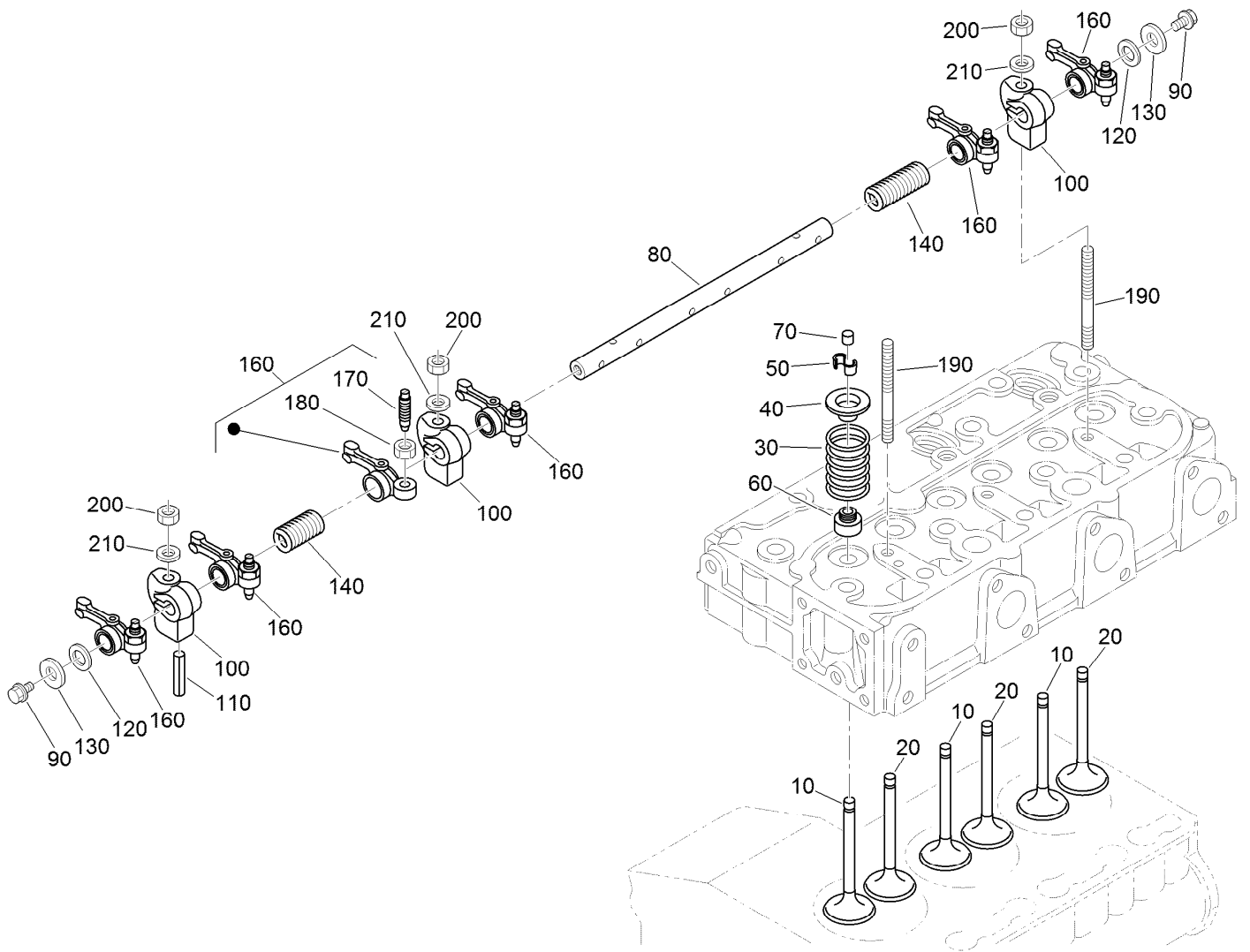
Water Flange and Thermostat Assembly

<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	125-9078	2	Clamp-Hose
100	98-9719	1	Thermoswitch
110	98-7778	1	Thermostat ASM
120	98-9471	1	Cover-Thermostat
130	105-3748	1	Gasket-Thermostat
140	98-7777	2	Bolt



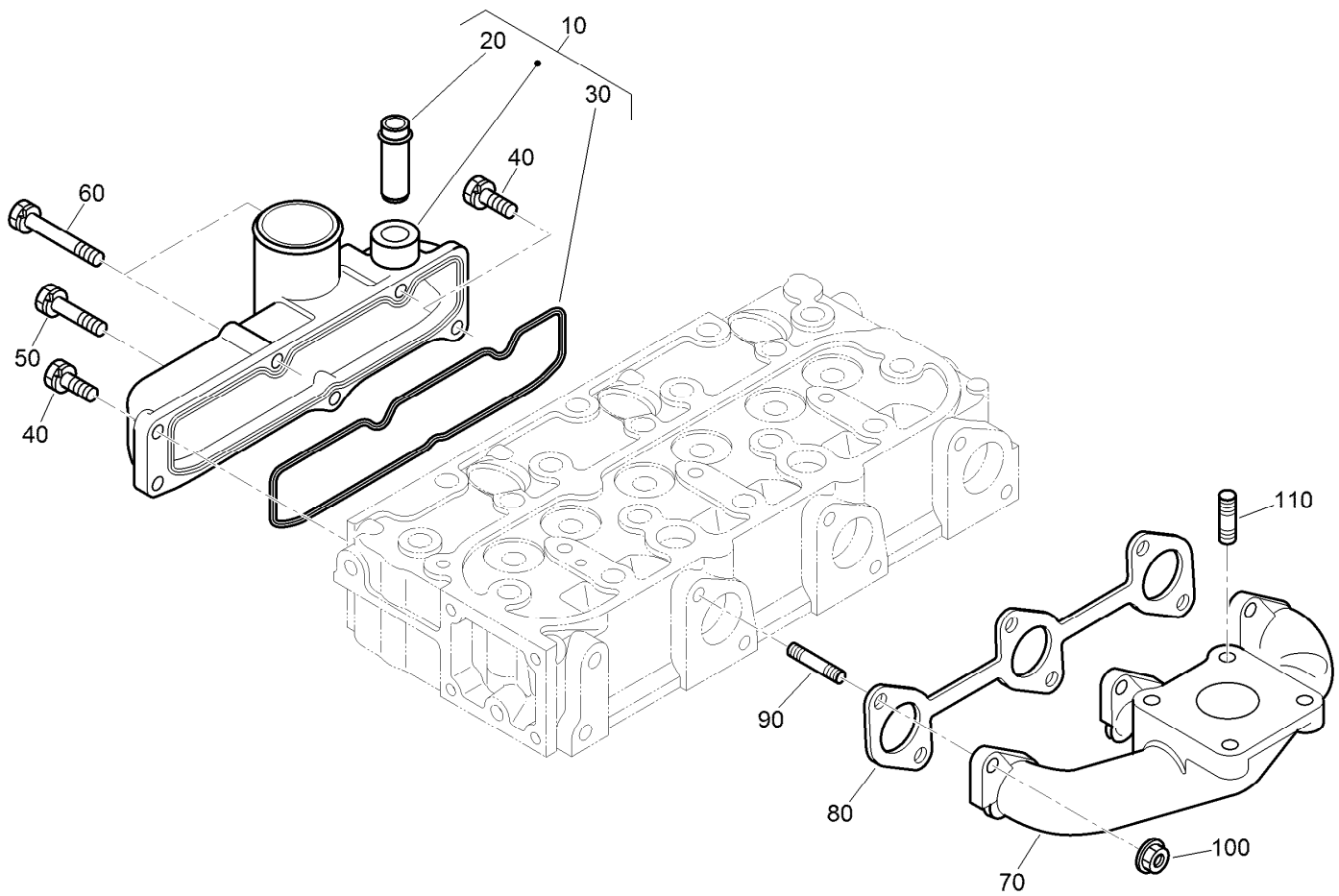
Water Pump and Water Pipe Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	107-9089	1	Water Pump ASM
20	99-3516	1	Flange-Pump, Water
40	105-3750	1	Mechanical Seal ASM
50	112-7017	1	Impeller-Pump, Water
60	100-1932	1	Pipe-Return, Water
70	99-3454	1	Gasket-Pump, Water
80	98-9353	4	Bolt
90	98-9357	2	Bolt
100	98-9716	1	Pipe-Water
110	107-9091	1	Pipe-Water
120	127-0439	2	Clamp-Hose



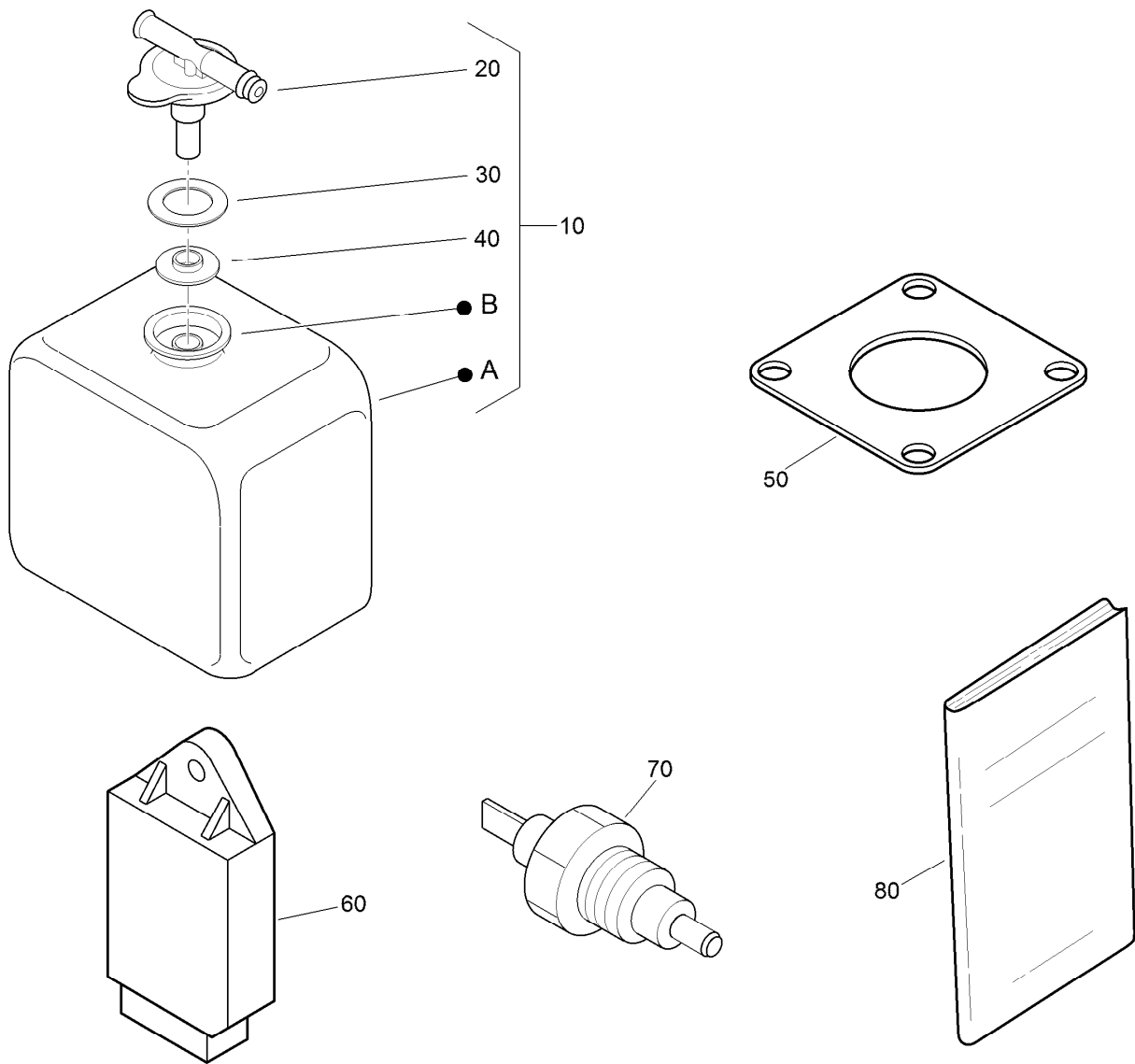
Valve and Rocker Arm Assembly

<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>
10	112-7018	3	Valve-Inlet	110	105-3758	1	Pin-Spring
20	120-2564	3	Valve-Exhaust	120	98-9507	2	Washer-Shaft, Rocker Arm
30	98-9648	6	Spring-Valve	130	110-3832	2	Washer-Plain
40	107-9092	6	Retainer-Spring	140	98-9504	2	Spring-Arm, Rocker
50	117-7572	6	Collet-Spring, Valve	160	112-7020	6	Rocker Arm ASM
60	99-8385	6	Seal-Stem, Valve	170	98-9502	6	Screw-Adjusting
70	98-9497	6	Cap-Valve	180	98-9503	6	Nut
80	130-1248	1	Shaft-Arm, Rocker	190	98-9506	3	Stud
90	99-8363	2	Bolt-Flange	200	98-9393	3	Nut
100	98-9505	3	Bracket-Arm, Rocker	210	98-9385	3	Washer-Flat



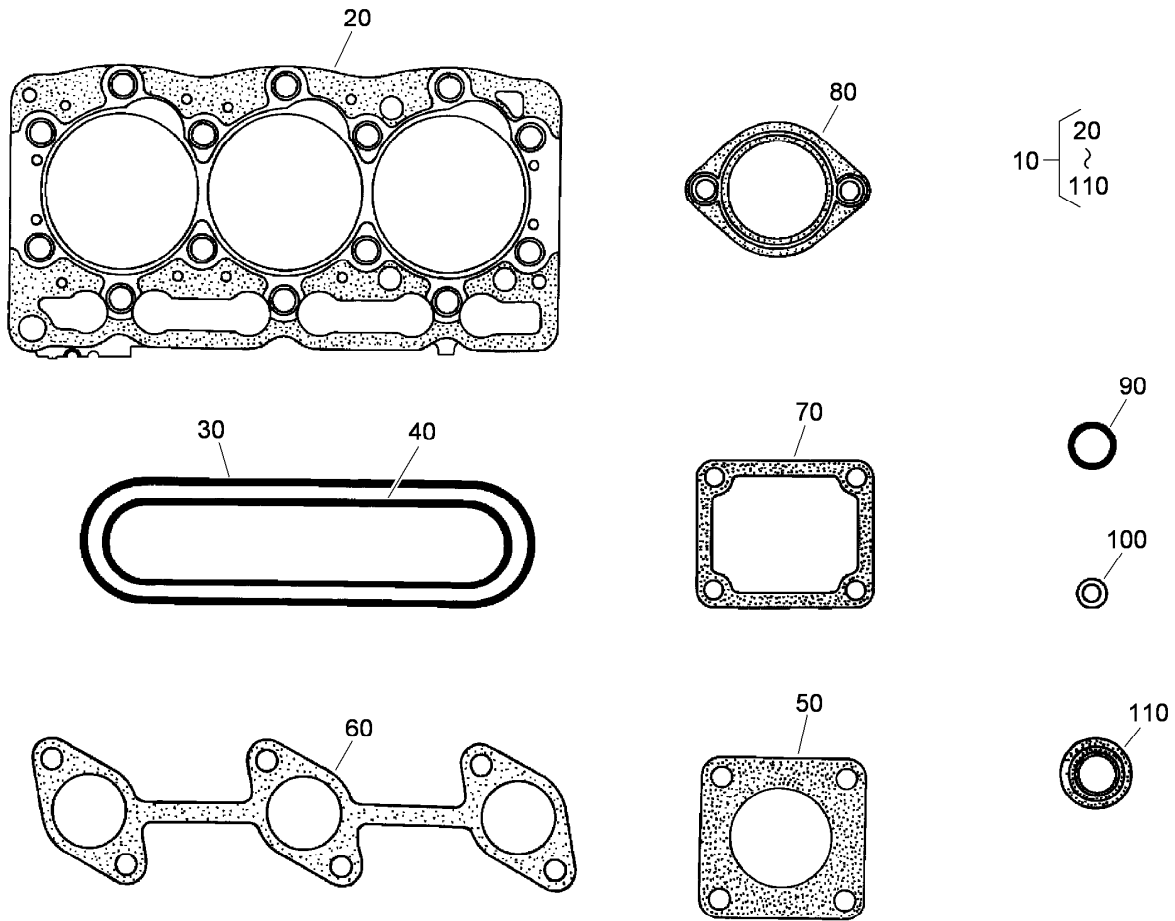
Inlet and Exhaust Manifold Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	107-7843	1	Manifold Inlet ASM
20	98-9492	1	Joint-Pipe, Breather
30	98-9609	1	Gasket-Manifold, Inlet
40	127-0403	3	Bolt-Flange
50	98-9353	1	Bolt
60	125-9063	2	Bolt-Sems
70	107-9093	1	Manifold-Exhaust
80	99-8327	1	Gasket-Manifold, Exhaust
90	98-9588	6	Stud
100	98-9665	6	Nut
110	98-7769	4	Stud



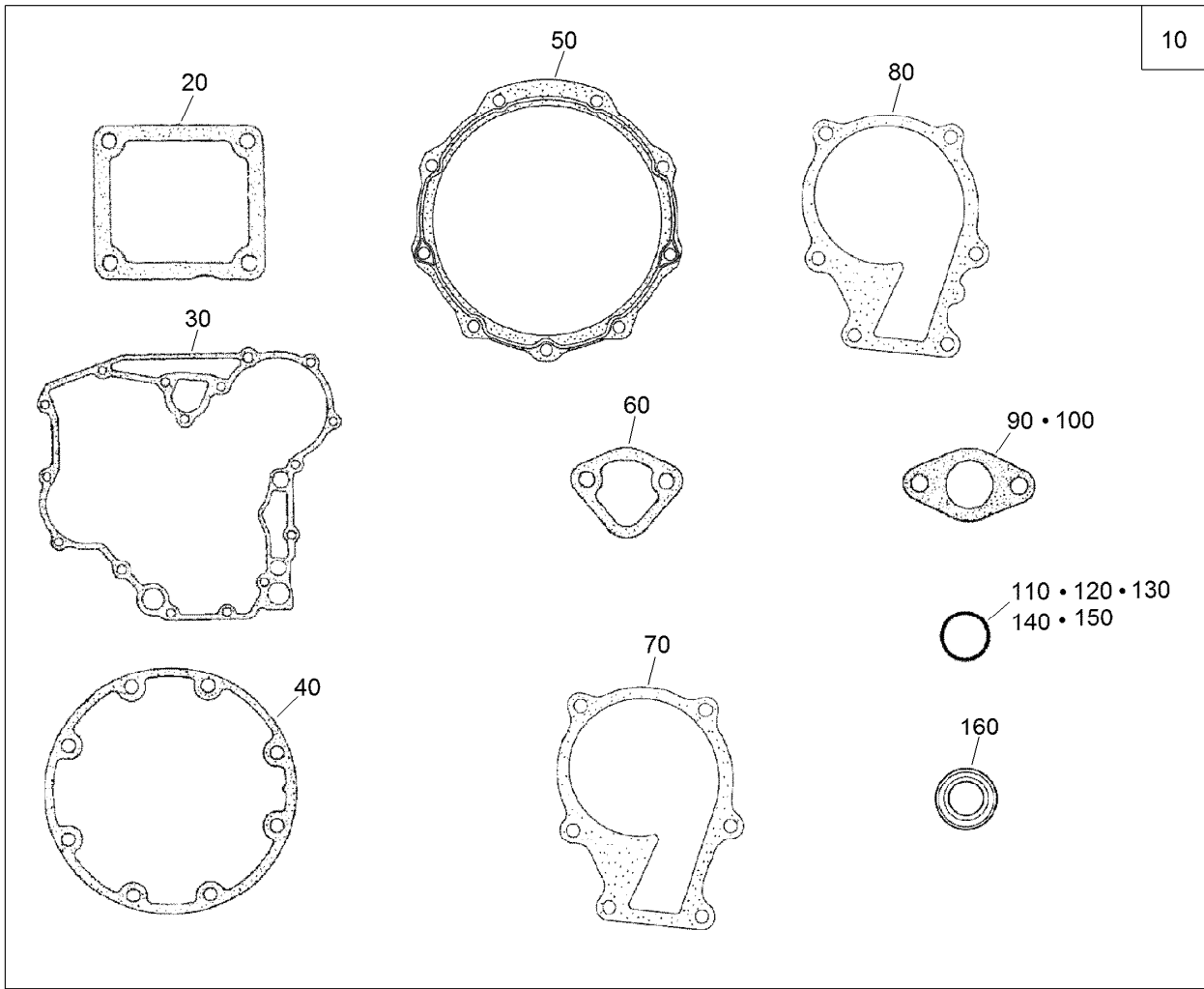
Miscellaneous Engine Parts

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	104-9318	1	Bottle-Overflow
20	115-4132	1	Cap
30	105-3755	1	Gasket
40	105-3756	1	Plate
50	99-8343	1	Gasket-Muffler
60	98-7611	1	Controller-Glow
70	106-7772	1	Thermoswitch
80	130-1543	1	Manual-Operator



Upper Gasket Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	107-7848	1	Upper Gasket Kit
20	108-6573	1	Gasket-Head, Cylinder
30	98-9615	1	Gasket-Cover, Head
40	98-9609	1	Gasket-Manifold, Inlet
50	99-8343	1	Gasket-Muffler
60	99-8327	1	Gasket-Manifold, Exhaust
70	98-9638	1	Gasket-Flange, Water
80	105-3748	1	Gasket-Thermostat
90	99-3446	2	O-Ring
100	98-9454	3	Gasket
110	99-8385	6	Seal-Stem, Valve



Lower Engine Gasket Kit

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	130-1364	1	Lower Gasket Kit
20	98-9637	1	Gasket
30	98-9633	1	Gasket-Case, Gear
40	131-6554	1	Gasket-Case, Bearing
50	112-7037	1	Gasket-Cover, Case
60	117-7562	1	Gasket-Pump, Fuel
70	98-9632	1	Gasket-Pump, Water
80	99-3454	1	Gasket-Pump, Water

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
90	98-9682	1	Gasket
100	98-9683	1	Gasket-Cover, Solenoid
110	105-3781	2	O-Ring
120	105-3777	2	O-Ring
130	105-3783	1	O-Ring
140	105-3776	1	O-Ring
150	105-3788	1	O-Ring
160	98-7601	1	Seal-Oil

Attachments and Accessories

For 03170 Reelmaster 3100-D Traction Unit

Product Name	Model/Part
27in Lift Arm Kit	03172
32in Lift Arm Kit	03173
5-Blade 27in DPA Edge Series Cutting Unit	03188
8-Blade 27in DPA Edge Series Cutting Unit	03189
11-Blade 27in DPA Edge Series Cutting Unit	03190
8-Blade 32in DPA Edge Series Cutting Unit	03191
27in Verticutter Cutting Unit	03203
Gauge Bar Assembly	108-6715
Smooth Rear Tire	127-2796
Decal-Service, Japan	138-1190
Premium Seat Kit	30629
Arm Rest Kit	30707
Work Light Kit	30841

Notes:



Count on it.