



Form No. 3463-939 Rev C

Count on it.

Parts Catalog

Groundsmaster® 3500-D Rotary Mower

Model No. 30807—Serial No. 415105962 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.

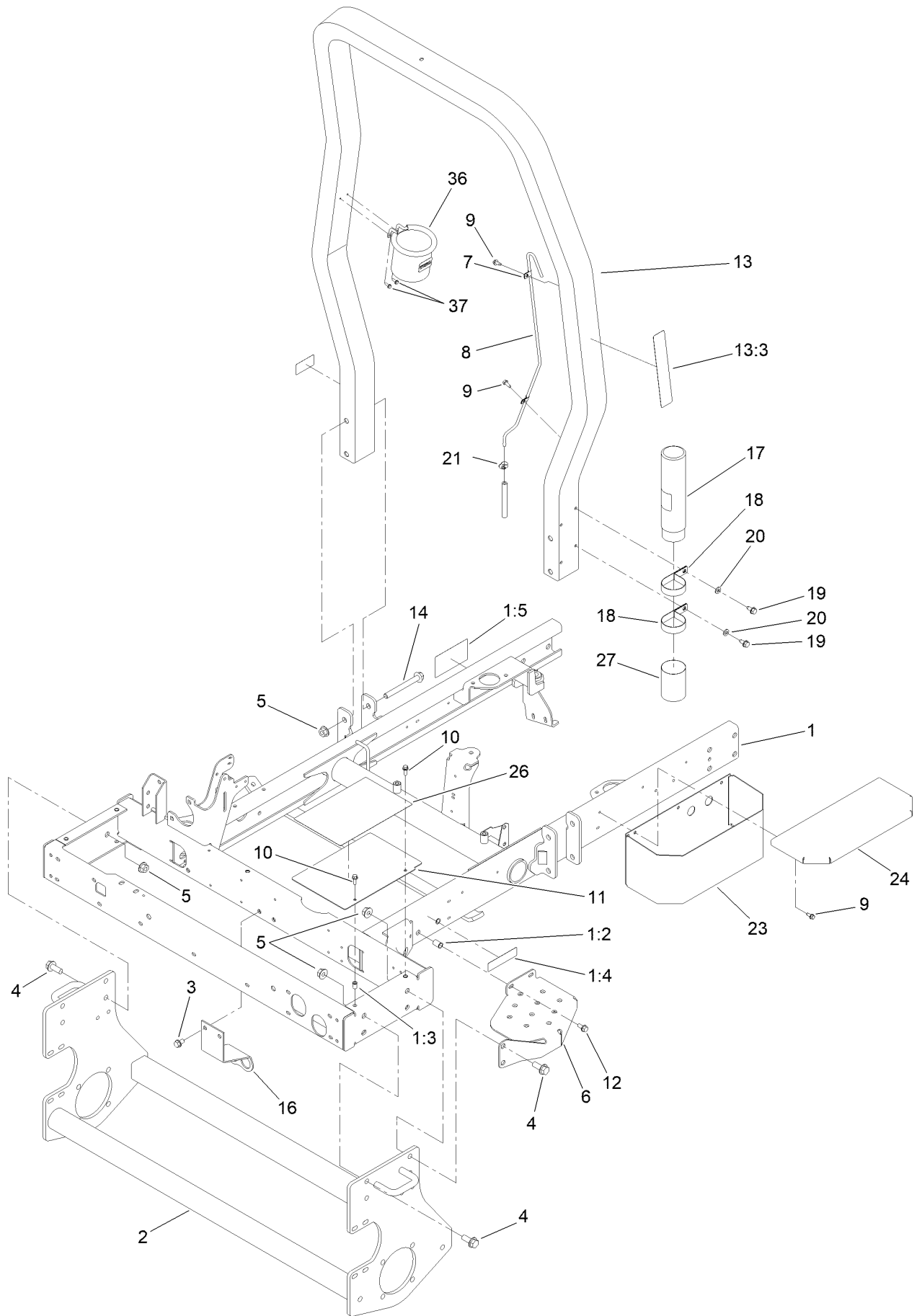
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Frame and Roll-Over Protection System Assembly

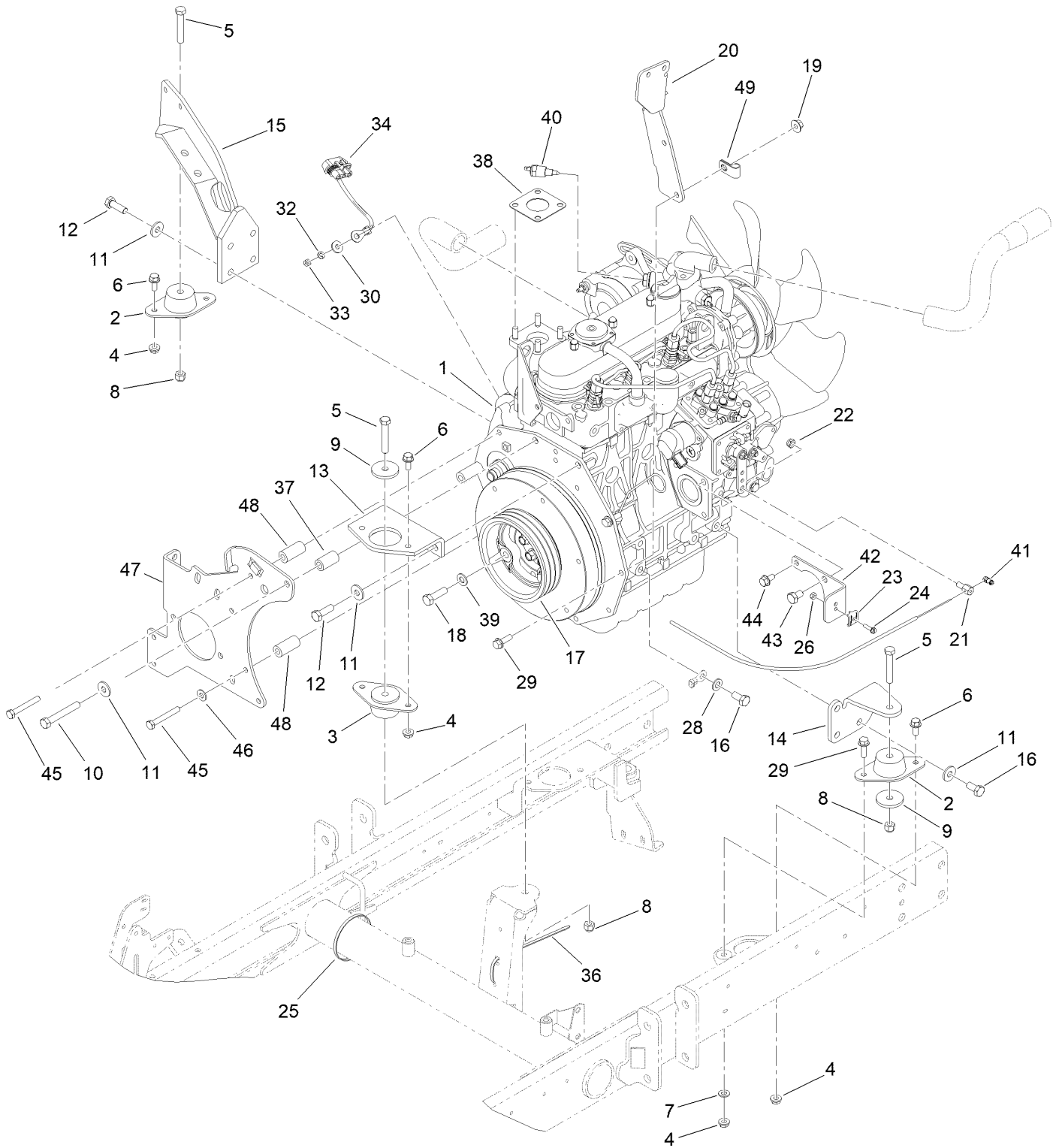


Frame and Roll-Over Protection System Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	121-3635	1	Frame
1:2	32148-8	2	Nut-Clinch
1:3	32148-6	4	Nut-Clinch
1:4	133-8062	1	Decal-Arrestor, Spark
1:5	117-3270	1	Decal-Danger
2	95-8568-03	1	Frame-Lower
3	32144-15	2	Screw-HHFTF
4	3234-38	8	Screw-HHF
5	32128-49	12	Nut-HHF
6	99-3375-03	1	Step
7	2412-72	2	Clip-Closed, Insulated
8	95-8615	1	Tube-Breather
9	32144-10	5	Screw-HWH
10	3234-4	2	Screw-HHF
11	104-0468-01	1	Cover-Frame
12	3234-5	2	Screw-HHF

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
13	127-8493	1	ROPS ASM
13:3	136-3702	1	Decal-Safety, ROPS
14	117-3176	4	Screw-HHF
16	115-3417-0P	1	Bracket-Bulkhead, Scissor
17	104-7050	1	Tube-Manual
18	2412-133	2	Clamp-R
19	32144-70	2	Screw-HWHTF
20	3256-23	2	Washer-Plain
21	2412-108	1	Clamp-Worm
23	104-4634-03	1	Toolbox
24	104-4633-03	1	Cover-Toolbox
26	121-3623	1	Decal-Danger
27	104-7048	1	Cap-Housing
36	117-2378	1	Holder-Bag
37	32144-1	2	Screw-Taptite

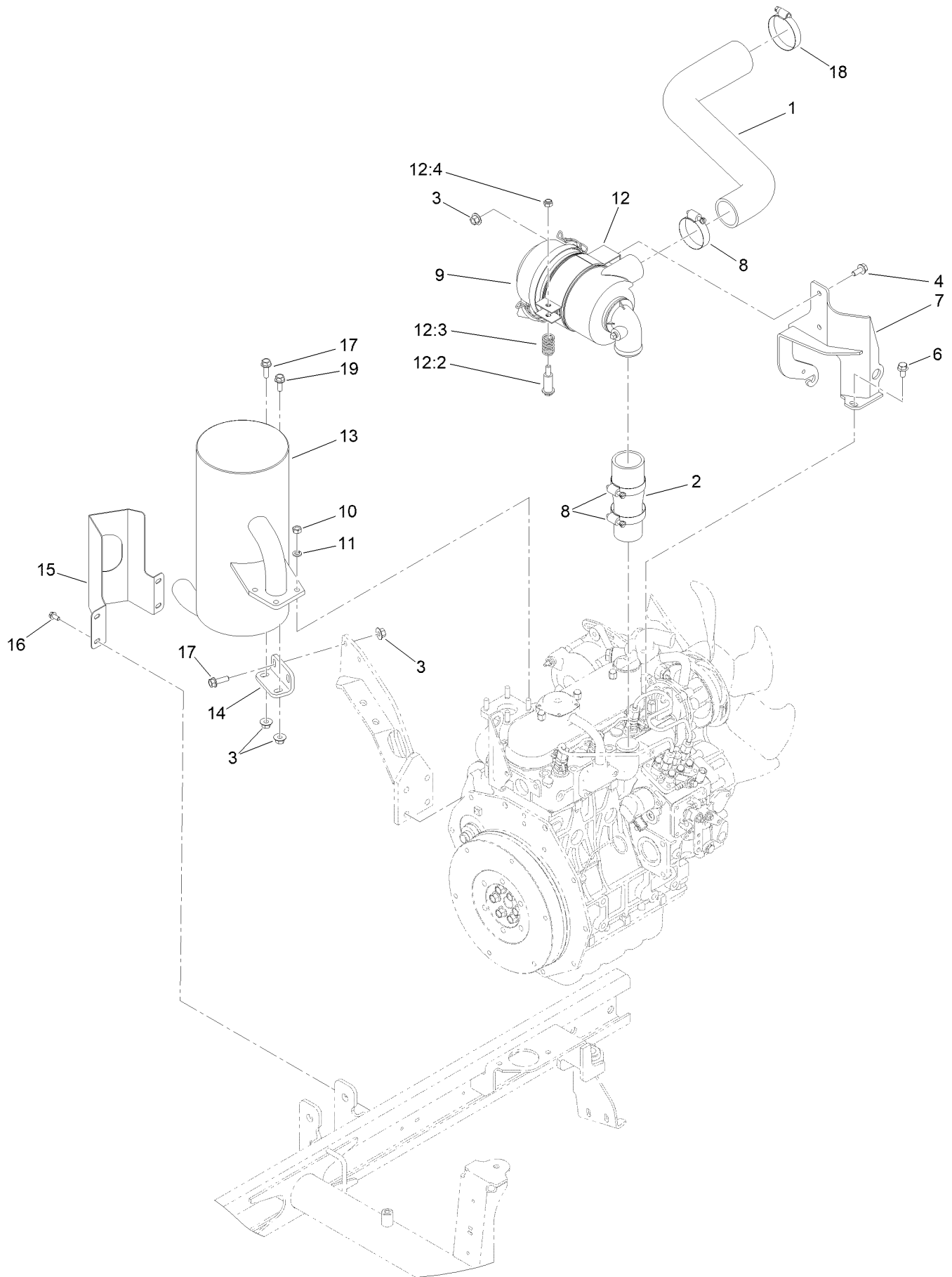
Engine Assembly



Engine 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>
1	138-6908	1	Engine-Kubota, D1105	24	32105-13	1	Screw-HWH
2	121-9076	2	Mount-Engine	25	3290-379	2	Tie-Cable
3	93-5265	1	Mount-Engine	26	3296-2	1	Nut-Lock, NI
4	32128-20	6	Nut-HF	28	33095-00	1	Washer-Flat
5	323-11	3	Screw-HH	29	3234-17	3	Screw-HHF
6	3234-5	5	Screw-HHF	30	3256-78	1	Washer-Flat
7	120-9683	1	Washer-Plain	32	43-5930	1	Washer-Lock, Spring
8	3296-39	3	Nut-Lock, NI	33	48-7890	1	Nut-Hex
9	80-8560	3	Washer-Hardened	34	99-3441	1	Harness-Wire, Fusible Link
10	42-9370	1	Screw-HH	36	3290-378	14	Tie-Cable
11	80-6990	9	Washer-Hardened	37	95-8736	1	Spacer
12	95-8812	5	Screw-HH	38	98-9611	1	Gasket
13	99-3618-0P	1	Mount-Engine, Front	39	3256-24	3	Washer-Plain
14	95-8937-0P	1	Mount-Engine, LH	40	106-7772	1	Thermoswitch
15	100-4838-0P	1	Mount-Engine	41	112-9919	1	Stop-Cable, Throttle
16	63-7790	4	Screw-Cap	42	110-9009-0P	1	Bracket-Cable, Throttle
17	99-3626	1	Pulley-3V	43	70-8470	1	Screw-HH
18	56-2140	3	Screw-HH	44	33104-016	1	Screw-HHF
19	32128-44	2	Nut	45	33114-060	4	Screw-HH
20	115-3487-0P	1	Bracket-Mount, Fuel Filter	46	87-8640	3	Washer-Flat
21	98-9311	1	Swivel-Throttle	47	120-3375-0P	1	Plate-Mount, Pump
22	3296-20	1	Nut-Lock, NI	48	95-8941	4	Spacer-Mount, Pump
23	81-1690	1	Clamp-Cable	49	2412-10	1	Clamp-R

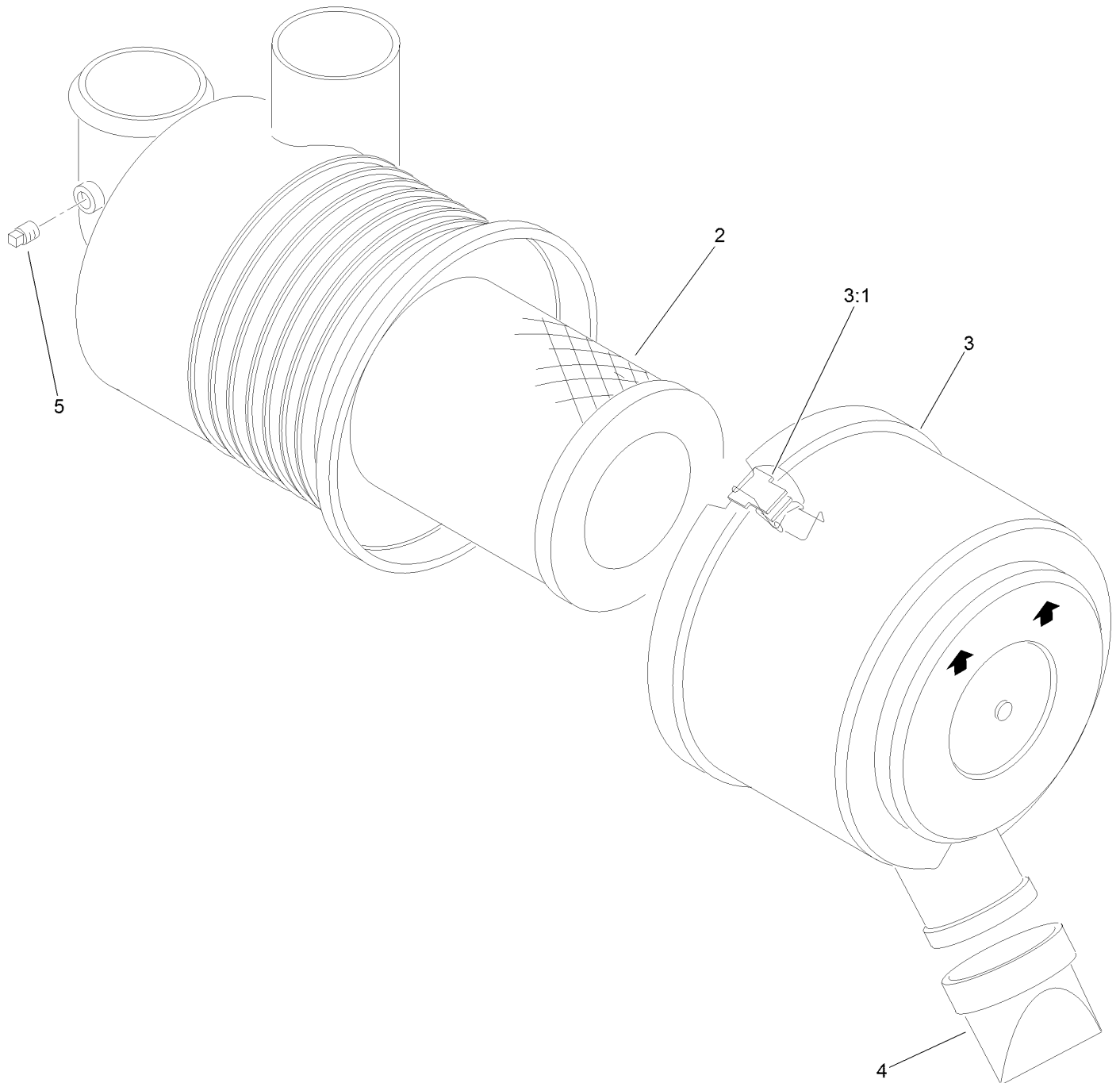
Air Cleaner and Muffler Assembly



Air Cleaner and Muffler 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>
1	120-3354	1	Hose-Air Inlet, Upper	12:2	94-3653	1	Bolt
2	95-8947	1	Hose-Air Inlet, Lower	12:3	94-3654	1	Spring
3	32128-44	6	Nut	12:4	33024-00	1	Nut-Lock, NI
4	3234-5	2	Screw-HHF	13	139-6013	1	Muffler
6	33104-016	3	Screw-HHF	14	95-8943-0P	1	Bracket-Muffler
7	136-3154-0P	1	Bracket-Cleaner, Air	15	140-7428-03	1	Guard-Exhaust
8	2412-92	3	Clamp-Hose	16	32144-4	4	Screw-HWH
9	93-2190	1	Air Cleaner ASM	17	3234-17	3	Screw-HHF
10	33014-00	4	Nut-Hex	18	2412-130	1	Clamp-Hose
11	3253-4	4	Washer-Lock	19	3234-5	1	Screw-HHF
12	93-2191	1	Air Cleaner Mounting Band ASM				

Air Cleaner Assembly No. 93-2190

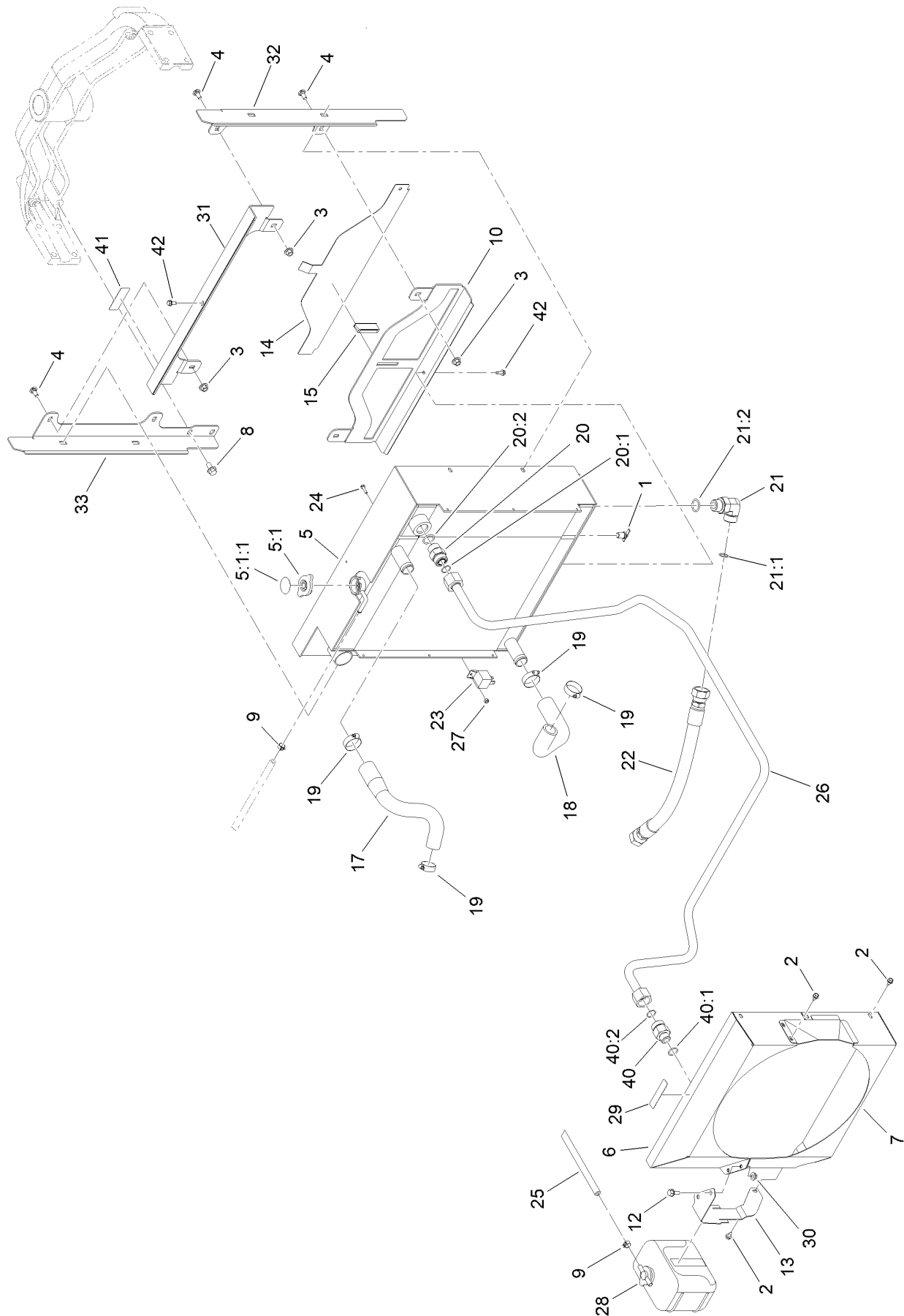


Air Cleaner Assembly No. 93-2190 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	108-3811	1	Filter-Air V-Twin HD
3	94-3652	1	Cover ASM
3:1	1-643283	2	Latch-Cleaner, Air

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe

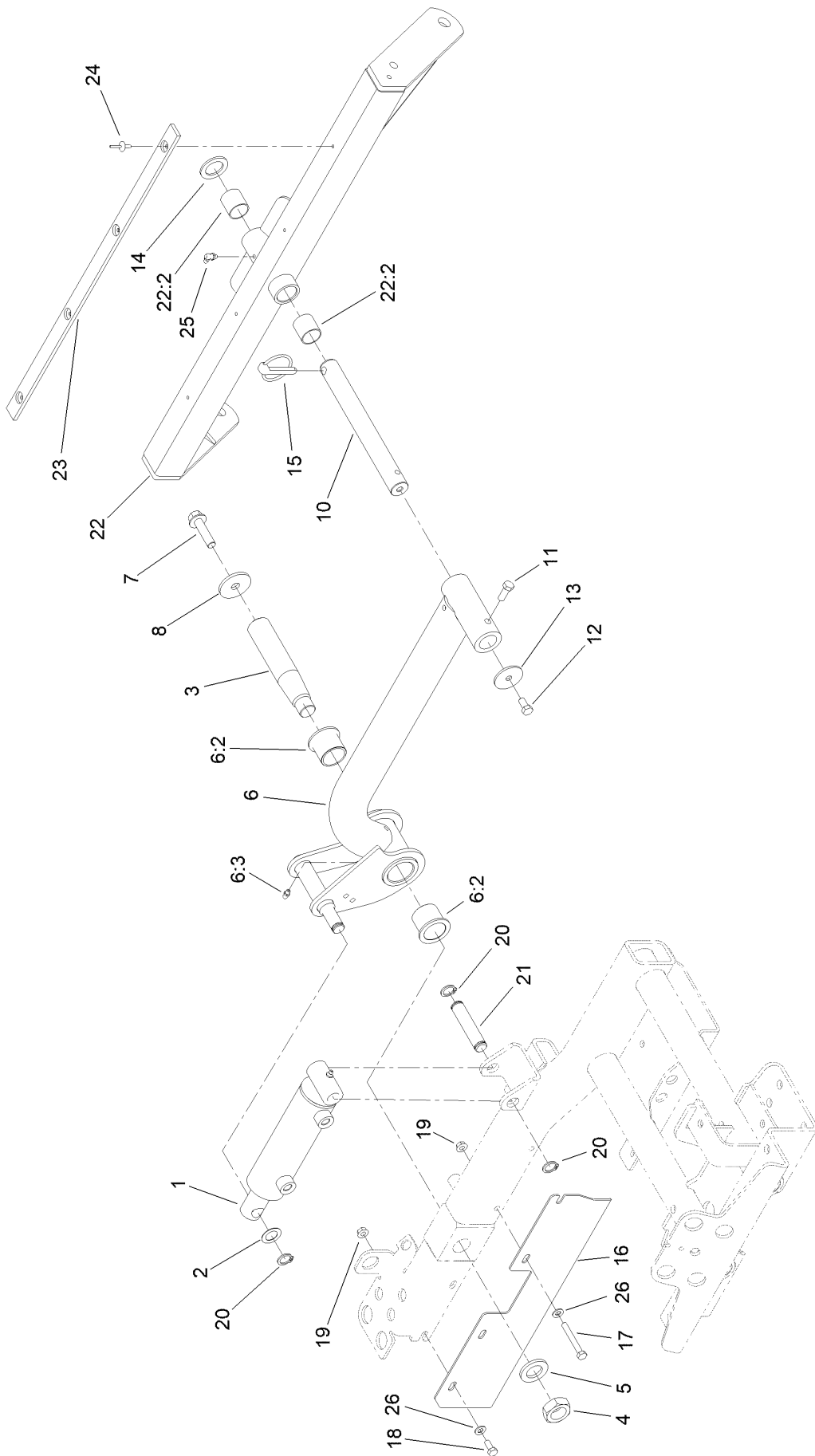
Radiator and Oil Cooler Assembly



Radiator and Oil Cooler 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>
1	304-46	1	Draincock	20:2	237-81	1	O-Ring
2	32104-116	8	Screw-HWHTF	21	340-142	1	Fitting-Elbow, 90 DEG
3	32128-44	8	Nut	21:1	237-58	1	O-Ring
4	3230-1	8	Bolt-CARR	21:2	237-81	1	O-Ring
5	119-2028	1	Radiator And Oil Cooler ASM	22	92-7536	1	Hose-HYD
5:1	115-7766	1	Cap-Radiator	23	99-7435	1	Relay
5:1:1	106-6755	1	Decal-Cap, Radiator	24	32105-13	1	Screw-HWH
6	121-3556-0P	1	Shroud-Fan, Upper	25	109-0274	1	Hose-Fuel
7	121-3552-0P	1	Shroud-Fan, Lower	26	145-5284	1	Hydraulic Tube ASM
8	3234-1	4	Screw-HHF	27	3296-2	1	Nut-Lock, NI
9	92-2379	2	Clamp-Hose	28	108-0638	1	Bottle-Overflow
10	120-3530-0P	1	Bracket-Radiator, Bottom	29	93-6681	1	Decal-Warning, Fan
12	3234-5	2	Screw-HHF	30	32128-20	2	Nut-HF
13	121-3557-0P	1	Bracket-Reservoir	31	120-3529-0P	1	Bracket-Radiator, Top
14	95-8702-0P	1	Shield-Radiator, Lower	32	120-3531-0P	1	Bracket-Radiator, LH
15	99-3497	1	Magnet	33	120-3532-0P	1	Bracket-Radiator, RH
17	121-3558	1	Hose-Radiator, Upper	40	340-66	1	Fitting-Straight
18	120-3399	1	Hose-Radiator, Lower	40:1	237-80	1	O-Ring
19	2412-34	4	Clamp-Hose	40:2	237-58	1	O-Ring
20	340-9	1	Fitting-STR	41	125-6688	1	Decal-Danger, Starter Fluid
20:1	237-58	1	O-Ring	42	32144-10	2	Screw-HWH

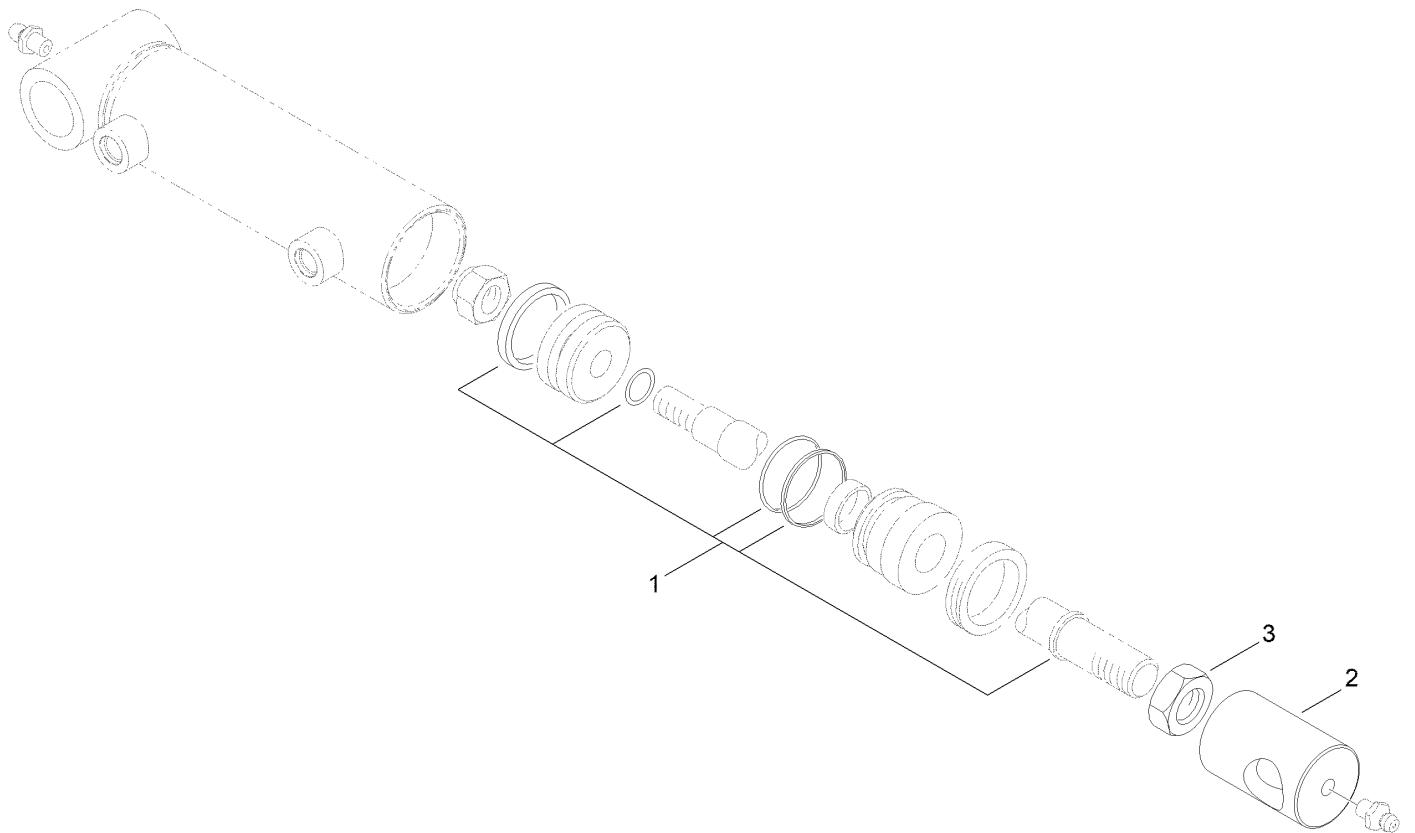
Rear Lift Arm and Carrier Frame Assembly



Rear Lift Arm and Carrier Frame 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>
1	112-9916	1	HYD Cylinder ASM	14	3-6781	1	Washer-Flat
2	3-6498	1	Washer-Thrust	15	283-71	1	Pin-Lynch
3	95-8990	1	Shaft-Pivot, Rear	16	121-3616-03	1	Guard
4	3220-9	1	Nut-Jam	17	322-12	2	Screw-HH
5	86-1480	1	Washer	18	322-3	2	Screw-HH
6	136-3415	1	Rear Liftarm ASM	19	32128-20	4	Nut-HF
6:2	69-6470	2	Bushing-Caster	20	32120-93	3	Ring-Retaining
6:3	302-5	1	Fitting-Grease	21	95-8575	1	Pin-Clevis
7	3234-27	1	Screw-HHF	22	104-4229	1	Rear Carrier Frame ASM
8	75-7730	1	Washer-Thrust	22:2	108-4000	2	Bushing
10	100-4944	1	Shaft-Pivot, Cutting Unit	23	95-8936	1	Strip-Wear
11	323-6	1	Screw-HH	24	3269-18	4	Rivet-Blind
12	323-4	1	Screw-HH	25	302-60	1	Fitting-Grease
13	63-7400	1	Washer-Rebound	26	3256-23	4	Washer-Plain

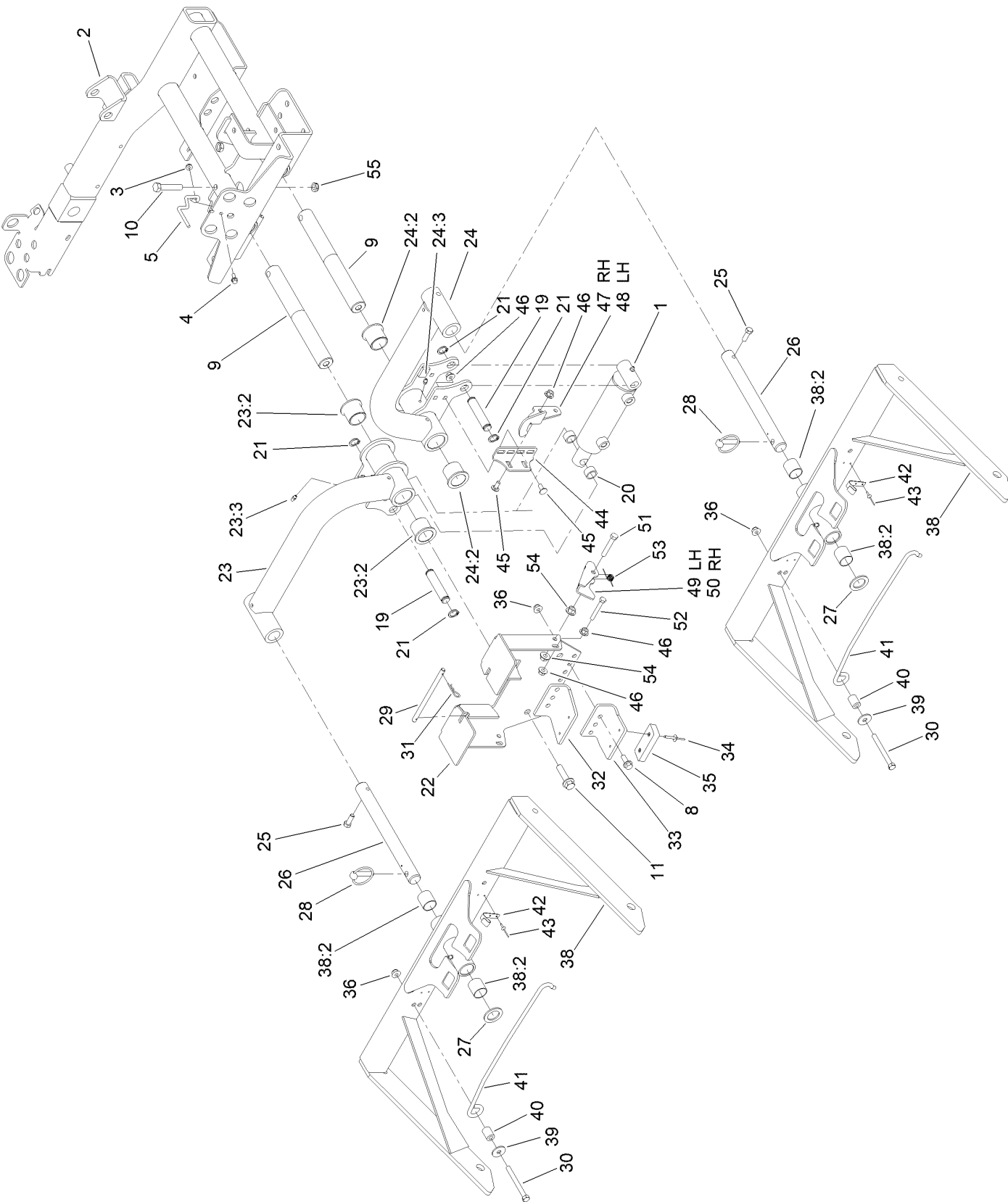
Hydraulic Cylinder Assembly No. 112-9916



Hydraulic Cylinder Assembly No. 112-9916 (continued)

<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

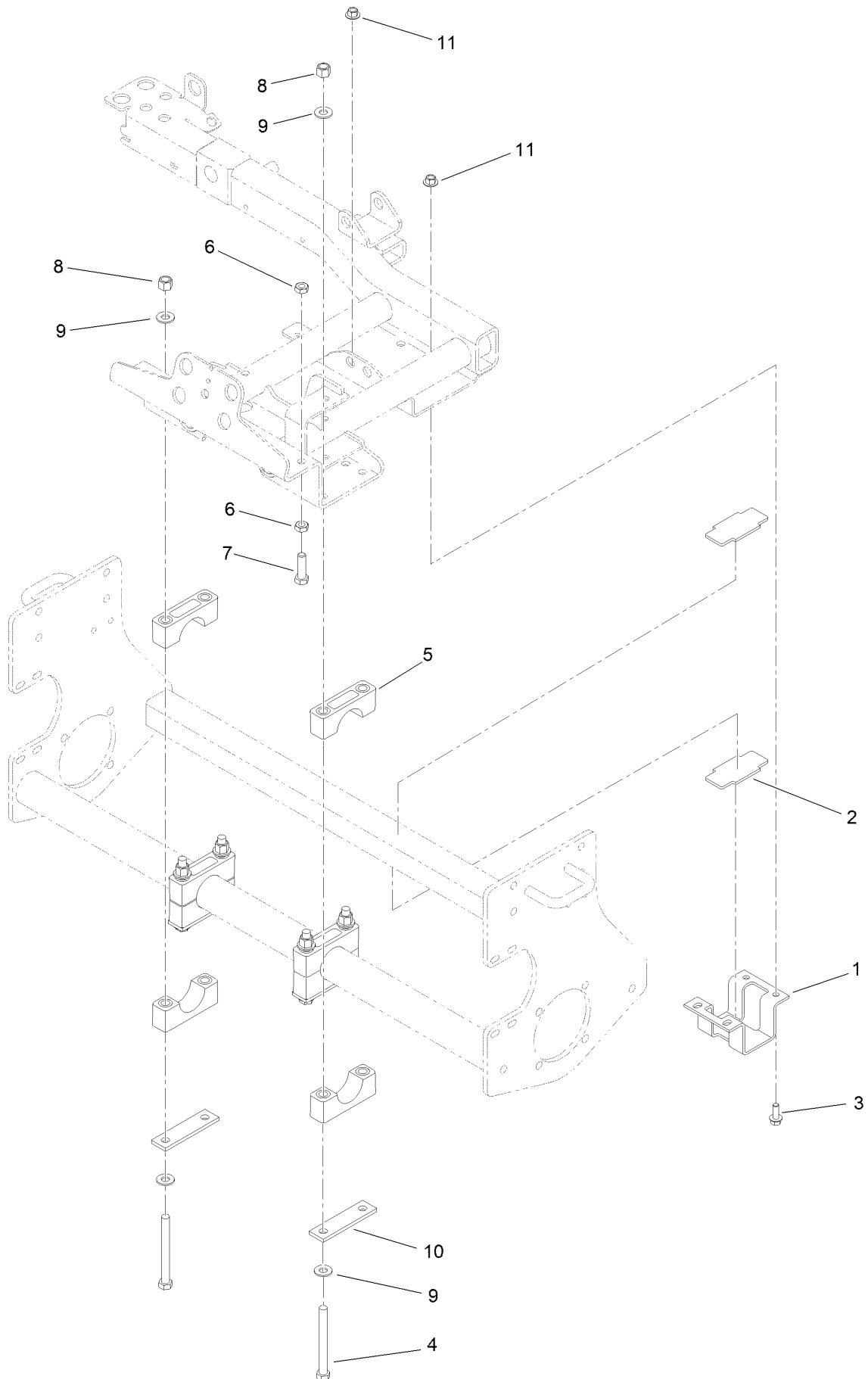
Sidewinder Carrier Assembly



Sidewinder Carrier 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>
1	112-9916	1	HYD Cylinder ASM	31	3290-467	2	Pin-Hair
2	100-4939-03	1	Carrier-Sidewinder	32	110-8793-03	1	Stop-Deck, RH
3	32128-33	1	Nut-HF	33	110-8794-03	1	Stop-Deck, LH
4	3234-4	1	Screw-HHF	34	3269-11	4	Rivet-Pop
5	99-3433	1	Wire-Center	35	86-5350	2	Bumper-Rubber
8	3234-11	4	Screw-HHF	36	104-8301	6	Nut-HF, NI
9	95-8531	2	Shaft-Pivot, Liftarm	38	110-8787	2	Front Carrier Frame ASM
10	325-10	2	Screw-HH	38:2	108-4000	2	Bushing
11	3234-27	2	Screw-HHF	39	93-8806	2	Washer-Hardened
19	95-8575	2	Pin-Clevis	40	104-4613	2	Tube-Latch
20	75-9590	2	Spacer-Cylinder	41	104-4612	2	Rod-Latch
21	32120-93	4	Ring-Retaining	42	104-4237	2	Clip-Rod
22	104-4820-03	1	Bracket-Stop, Carrier	43	3290-271	4	Rivet-Pop
23	136-3419	1	RH Liftarm ASM	44	104-4828-03	2	Bracket-Actuator
23:2	69-6470	2	Bushing-Caster	45	3230-23	8	Bolt-CARR
23:3	302-5	1	Fitting-Grease	46	32128-44	12	Nut
24	136-3417	1	LH Liftarm ASM	47	104-4826-03	1	Actuator-RH
24:2	69-6470	2	Bushing-Caster	48	104-4827-03	1	Actuator-LH
24:3	302-5	1	Fitting-Grease	49	104-4819-03	1	Bracket-Pivot, LH
25	323-6	2	Screw-HH	50	104-4825-03	1	Bracket-Pivot, RH
26	105-7560	2	Shaft-Cu Pivot	51	323-12	2	Screw-HH
27	3-6781	2	Washer-Flat	52	322-12	2	Screw-HH
28	283-71	2	Pin-Lynch	53	104-4821	2	Spring-Torsion
29	104-0472	1	Rod	54	32128-43	4	Nut-Flange
30	323-42	2	Screw-HH	55	3296-45	2	Nut-Hex

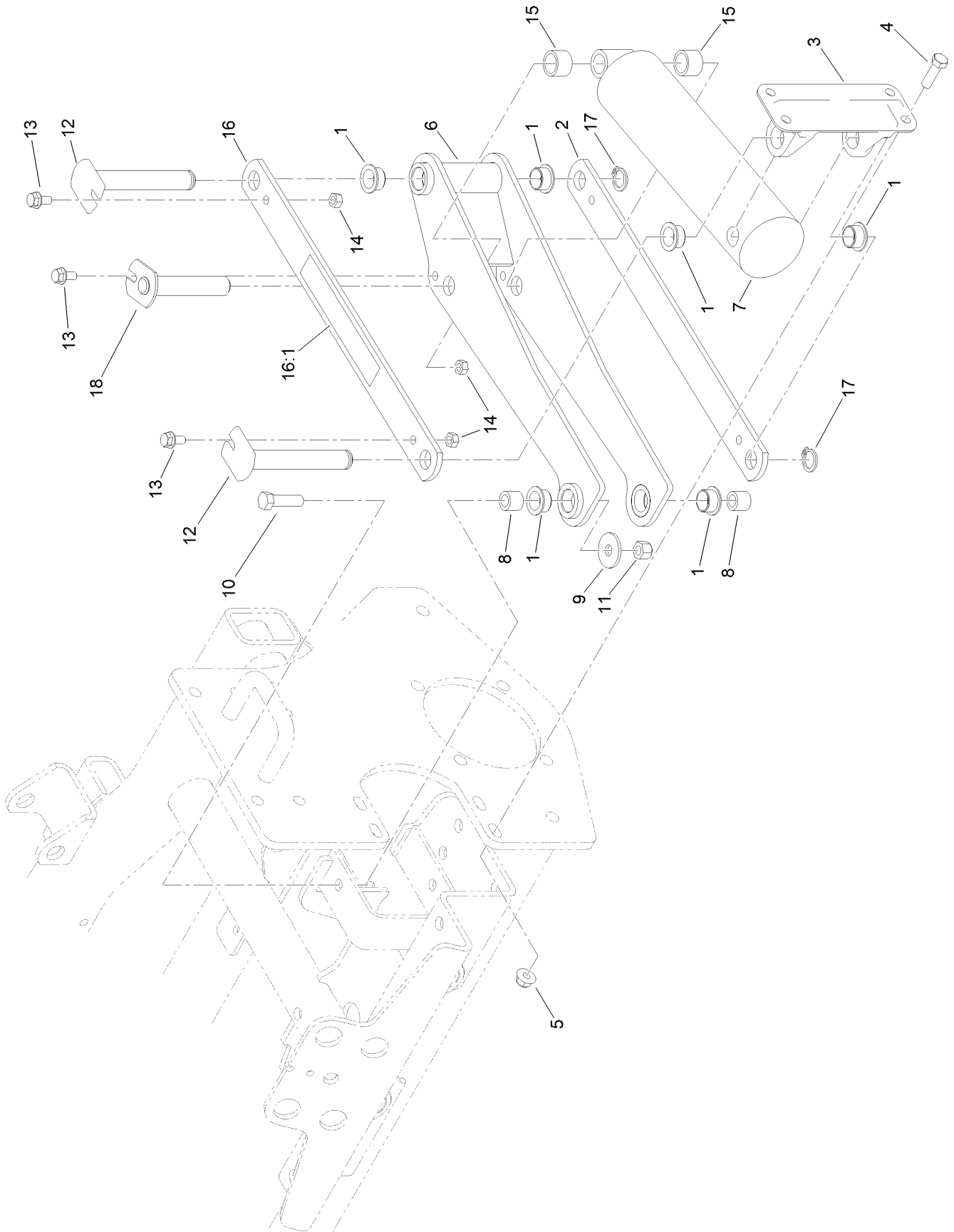
Carrier Support Assembly



Carrier Support 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>
1	104-0416-0P	1	Bracket-Slide	7	325-7	2	Screw-HH
2	104-0417	2	Slide-Plastic	8	3296-23	8	Nut-Lock, NI
3	3234-11	4	Screw-HHF	9	87-7270	16	Washer-Thrust
4	325-19	8	Screw-HH	10	99-3373	4	Bar-Support, Slide
5	104-4865	8	Cap-Bearing	11	32128-43	4	Nut-Flange
6	3218-5	4	Nut-Jam				

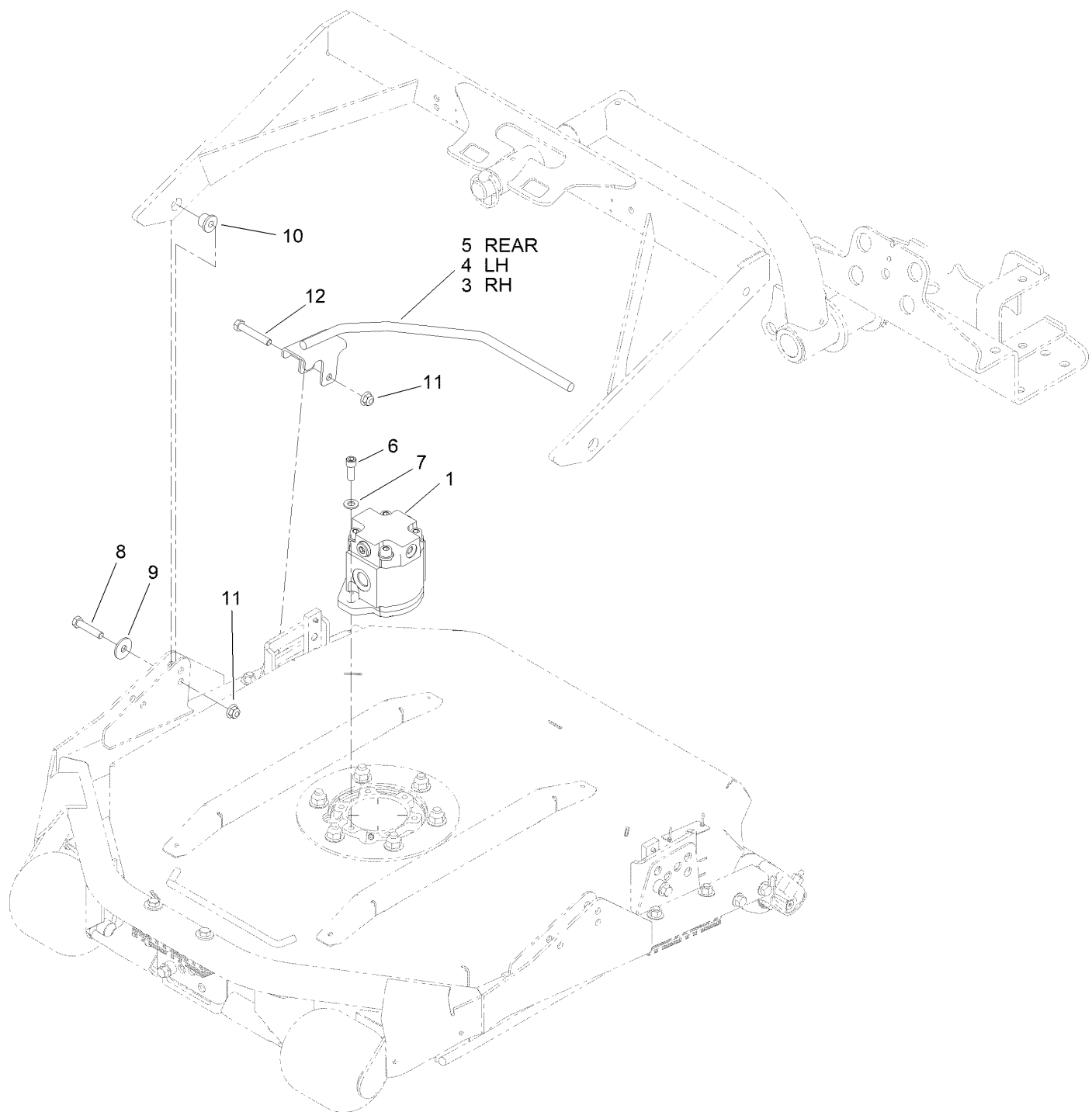
Scissor Frame and Link Assembly



Scissor Frame and Link 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>
1	95-8526	6	Bushing-Plastic	11	3296-48	2	Nut-Hex
2	95-8527-0P	1	Link-Scissor	12	125-1914	2	Pin-Pivot
3	95-8883	1	Mount-Scissor	13	3234-14	3	Screw-HHF
4	323-7	4	Screw-HH	14	32152-1	3	Nut-Lock, Cone
5	104-8301	4	Nut-HF, NI	15	46-6350	2	Spacer
6	95-8521-03	1	Frame-Scissor	16	99-3505	1	Scissors Link ASM
7	121-3654	1	Cylinder-HYD	16:1	94-3353	1	Decal-Pinch Point, Intl
8	95-8603	2	Spacer	17	32120-93	2	Ring-Retaining
9	87-5330	2	Washer	18	140-5248	1	Pin-Ram, Pivot
10	324-6	2	Screw-HH				

Hydraulic Motor and Foot Guard Assembly

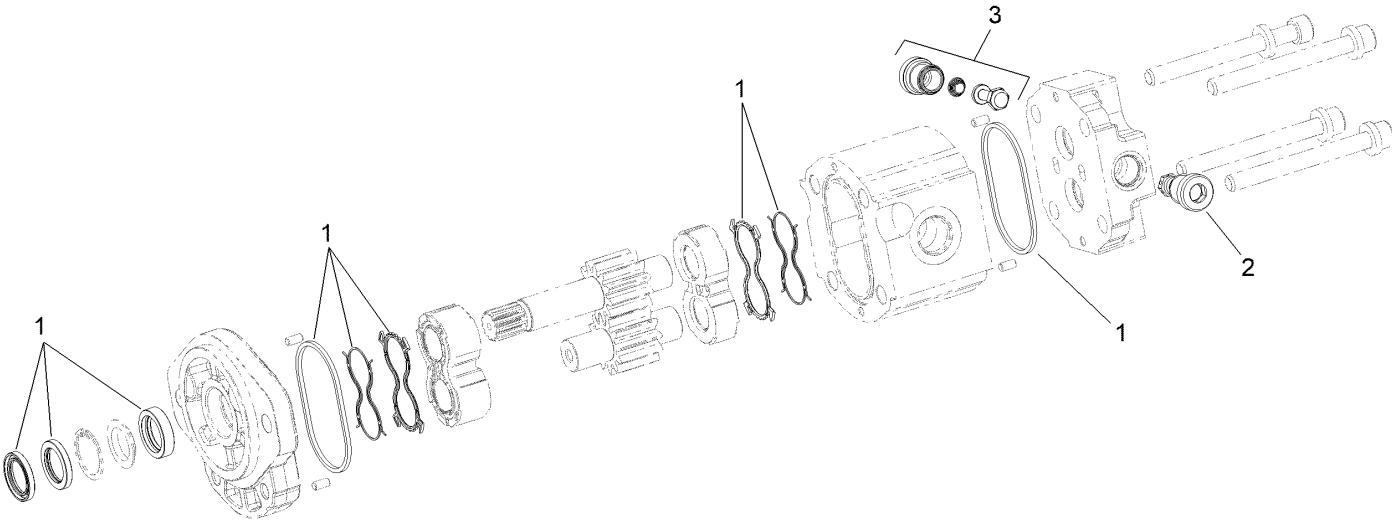


Hydraulic Motor and Foot Guard Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	117-5141	3	HYD Motor ASM
3	112-9901-03	1	Guard-Foot, RH
4	112-9902-03	1	Guard-Foot, LH
5	112-9900-03	1	Guard-Foot
6	3274-7	6	Screw-HSH
7	3256-24	6	Washer-Plain

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
8	323-52	6	Screw-HH
9	93-8806	6	Washer-Hardened
10	95-8803	6	Bushing-Flange
11	104-8301	10	Nut-HF, NI
12	323-11	4	Screw-HH

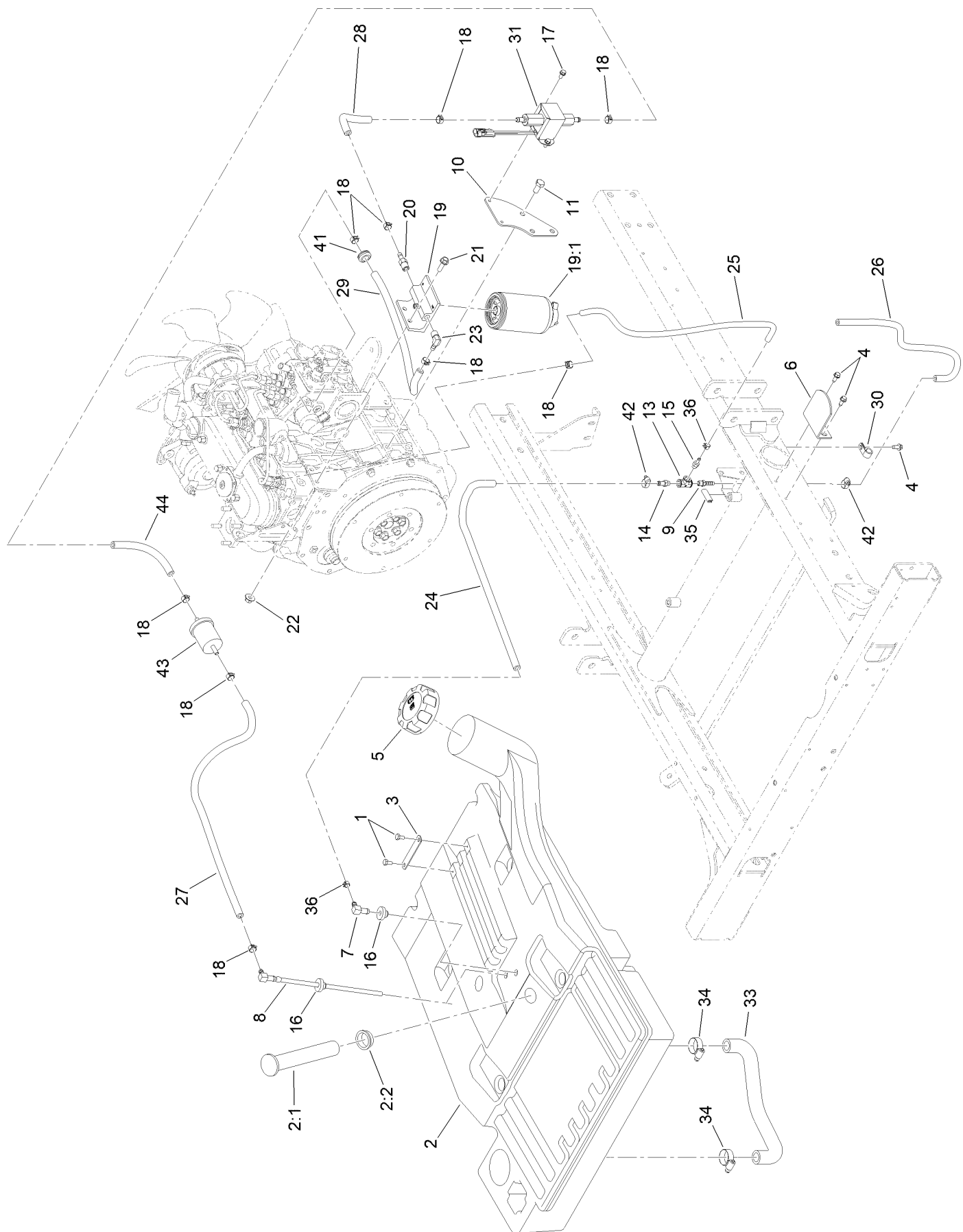
Gear Motor Assembly No. 117-5141



Gear Motor Assembly No. 117-5141 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	117-0235	1	Seal Kit
2	107-7820	1	Valve-Relief
3	107-7821	1	Valve-Anticavitation

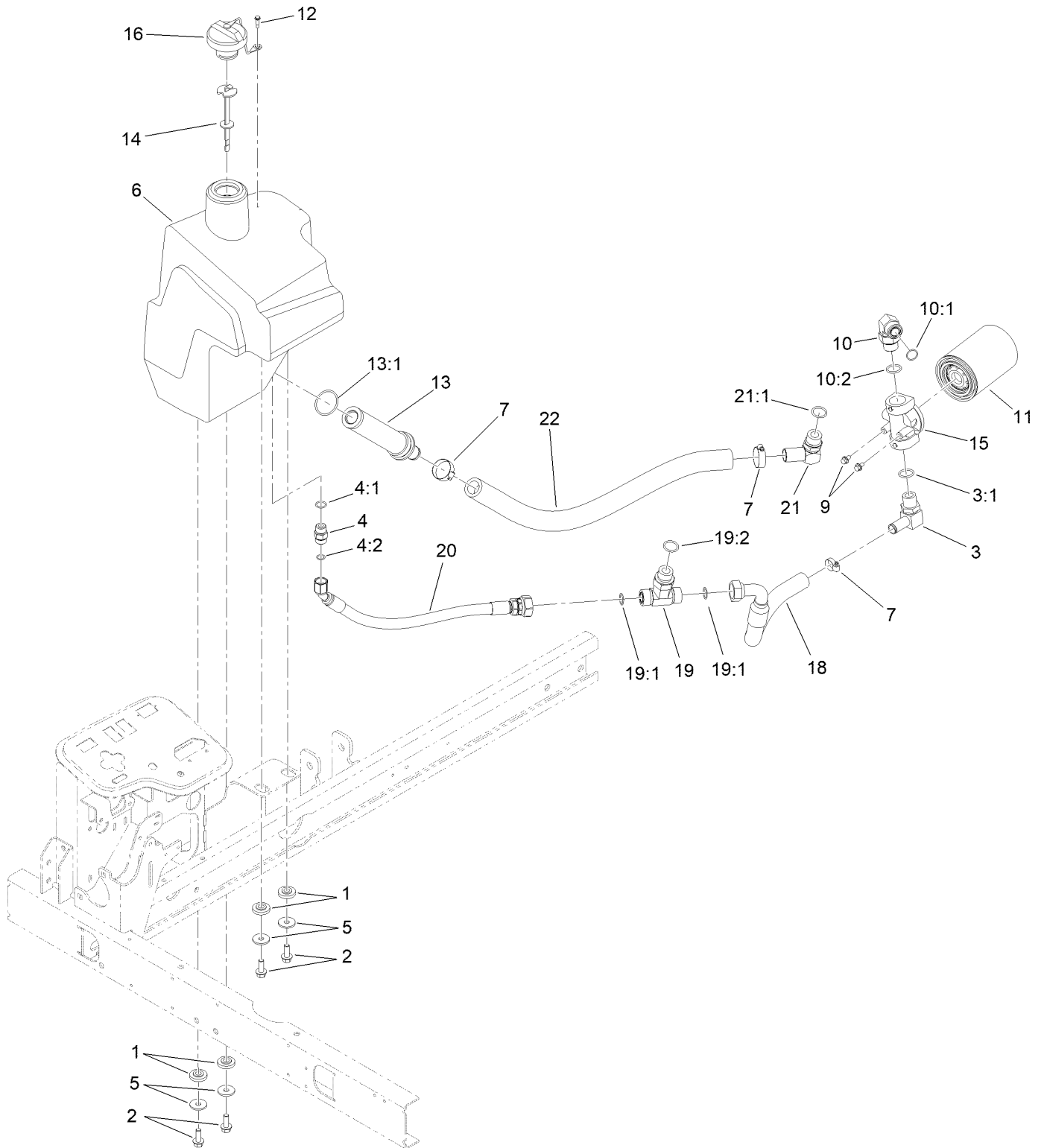
Fuel System Assembly



Fuel System 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>
1	321-2	2	Screw-HH	20	353-783	1	Fitting-STR
2	105-7865	1	Tank-Fuel	21	3234-17	2	Screw-HHF
2:1	95-8971	1	Gauge-Fuel	22	32128-44	2	Nut
2:2	95-8972	1	Grommet	23	353-781	1	Fitting-HYD, 90
3	95-8881	1	Strap-Line, Fuel	24	110-6187	1	Hose-Fuel
4	32144-10	3	Screw-HWH	25	110-8751	1	Hose-Fuel
5	114-5064	1	Cap-Diesel	26	110-5701	1	Hose-Fuel
6	95-8968-03	1	Support-Tank, Fuel	27	110-3257	1	Hose-Fuel
7	46-6550	1	Fitting-Elbow, 90 DEG	28	109-0310	1	Hose-Fuel
8	110-9689	1	Pipe-Stand	29	121-7852	1	Hose-Fuel
9	304-73	1	Fitting-Straight	30	2412-73	1	Clamp-R
10	136-3818-0P	1	Plate-Fuel Pump	31	145-3160	1	Pump-Fuel, Electric
11	63-7790	3	Screw-Cap	33	105-4094	1	Hose-Formed
13	354-20	1	Fitting-Tee	34	2412-129	2	Clamp-Hose
14	354-21	1	Fitting-Barbed	35	110-8754	1	Trim
15	354-22	1	Fitting-Barbed	36	2412-80	2	Clamp-Hose
16	46-6560	2	Bushing	41	1-543296	1	Grommet
17	32144-4	2	Screw-HWH	42	2412-108	2	Clamp-Worm
18	92-2379	9	Clamp-Hose	43	98-7612	1	Filter-Fuel
19	110-9044	1	Separator-Filter	44	108-3280	1	Hose-Fuel
19:1	110-9049	1	Filter-Spin On, Fuel/Water				

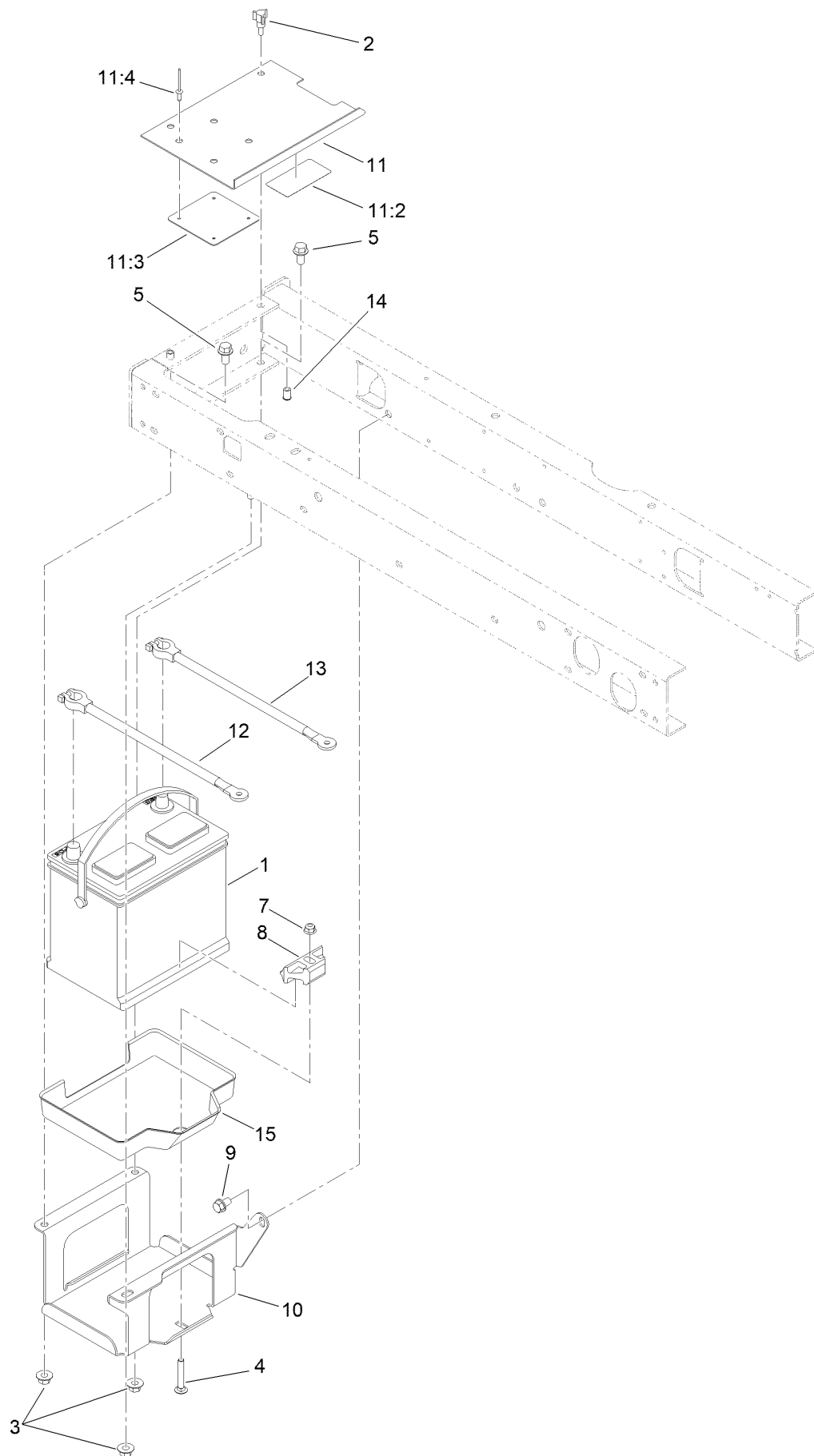
Hydraulic Tank Assembly



Hydraulic Tank 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>
1	240-11	4	Bushing-Flange	12	57-5420	1	Screw-Shoulder
2	3234-11	4	Screw-HHF	13	104-7546	1	Tank Strainer ASM
3	353-987	1	Fitting-Elbow, 90	13:1	340-136	1	O-Ring
3:1	237-81	1	O-Ring	14	119-6968	1	Dipstick-Oil
4	100-4890	1	Fitting-Check	15	92-5821	1	Head-Filter
4:1	237-79	1	O-Ring	16	93-7160	1	Cap-Oil, HYD
4:2	237-30	1	O-Ring	18	104-0486	1	Hose-HYD
5	63-8410	4	Washer	19	104-4836	1	Fitting-Tee
6	104-4840	1	Tank-HYD	19:1	237-58	2	O-Ring
7	2412-34	3	Clamp-Hose	19:2	237-81	1	O-Ring
9	3234-13	2	Screw-HHF	20	104-0487	1	Hose-HYD
10	340-142	1	Fitting-Elbow, 90 DEG	21	95-3502	1	Fitting-Elbow 90
10:1	237-58	1	O-Ring	21:1	237-81	1	O-Ring
10:2	237-81	1	O-Ring	22	104-5486	1	Hose
11	86-3010	1	Filter-Oil				

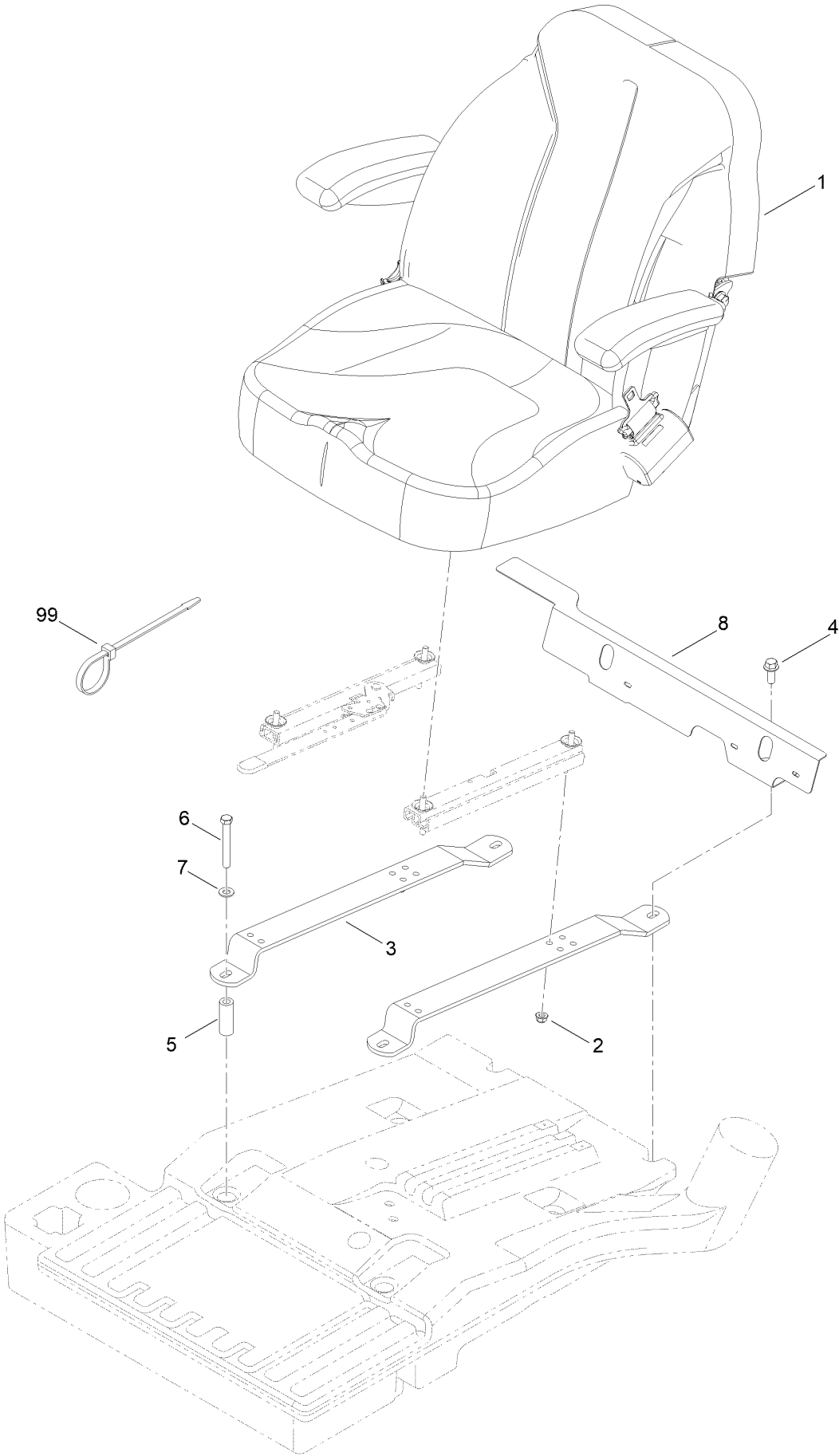
Battery Assembly



Battery 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>
1	104-0496	1	Battery- Wet, 12V, 540 CCA	11	99-3602	1	Battery Cover ASM
2	233-70	2	Knob-Star, Three	11:2	93-7276	1	Decal-Danger
3	32128-43	3	Nut-Flange	11:3	87-7620	1	Shield-Terminal, Battery
4	3230-6	1	Bolt-CARR	11:4	3269-27	4	Rivet-Snap
5	3234-1	3	Screw-HHF	12	95-8853	1	Cable-Battery, Positive
7	104-8300	1	Nut-HF, NI	13	95-8854	1	Cable-Battery, Negative
8	138-6335	1	Retainer-Battery	14	32148-6	2	Nut-Clinch
9	32144-15	1	Screw-HHFTF	15	99-3513	1	Tray-Battery
10	95-8796-03	1	Support-Battery				

Seat Assembly



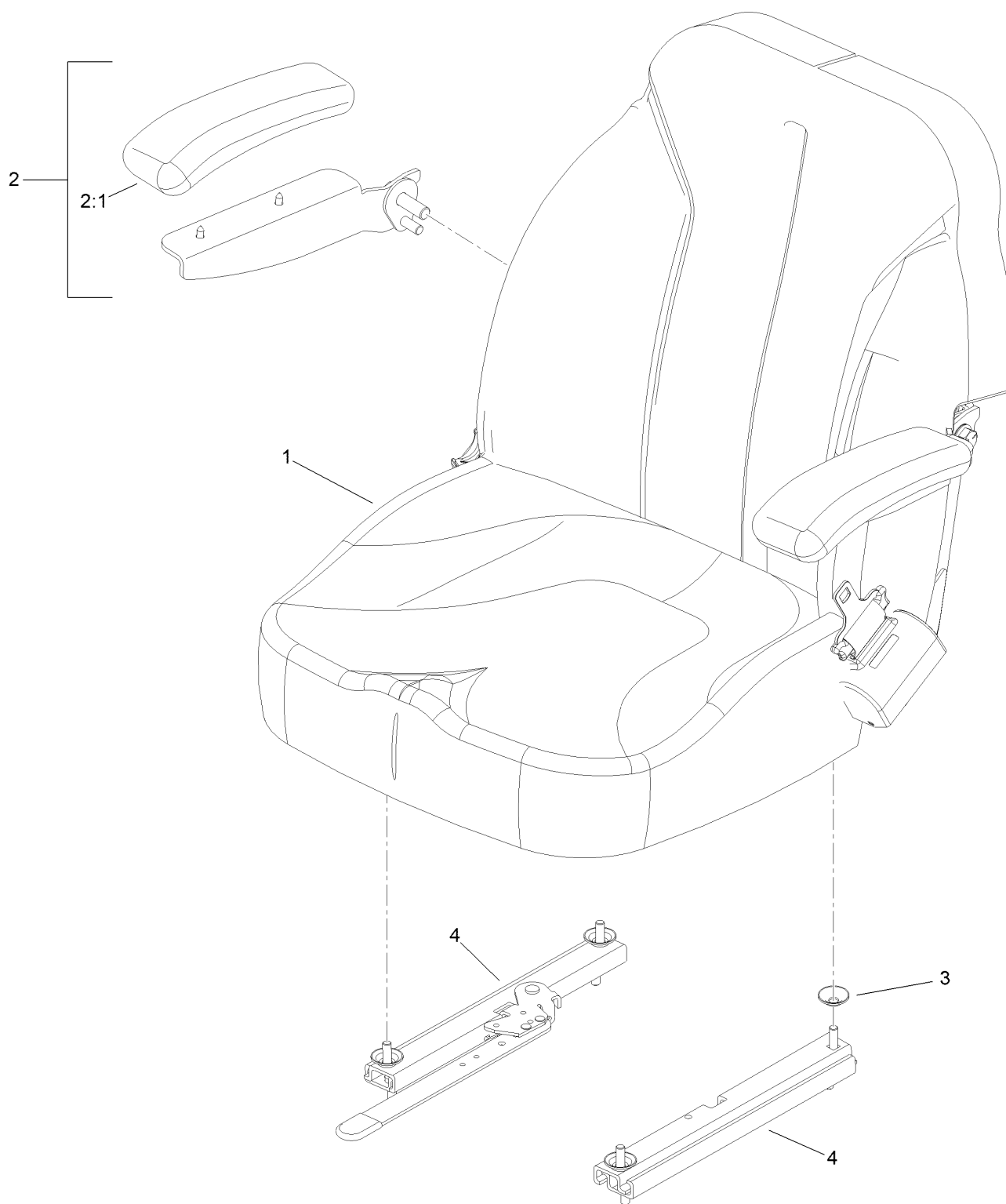
Seat Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	139-2679	1	Seat And Track ASM
2	104-8300	4	Nut-HF, NI
3	121-3655-03	2	Strap-Support, Seat
4	3234-11	2	Screw-HHF
5	104-0466	2	Spacer

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6	323-14	2	Screw-HH
7	3256-24	2	Washer-Plain
8	104-4833-03	1	Shield-Heat
99	3290-378	1	Tie-Cable ●

● Not illustrated

Seat and Track Assembly No. 139-2679

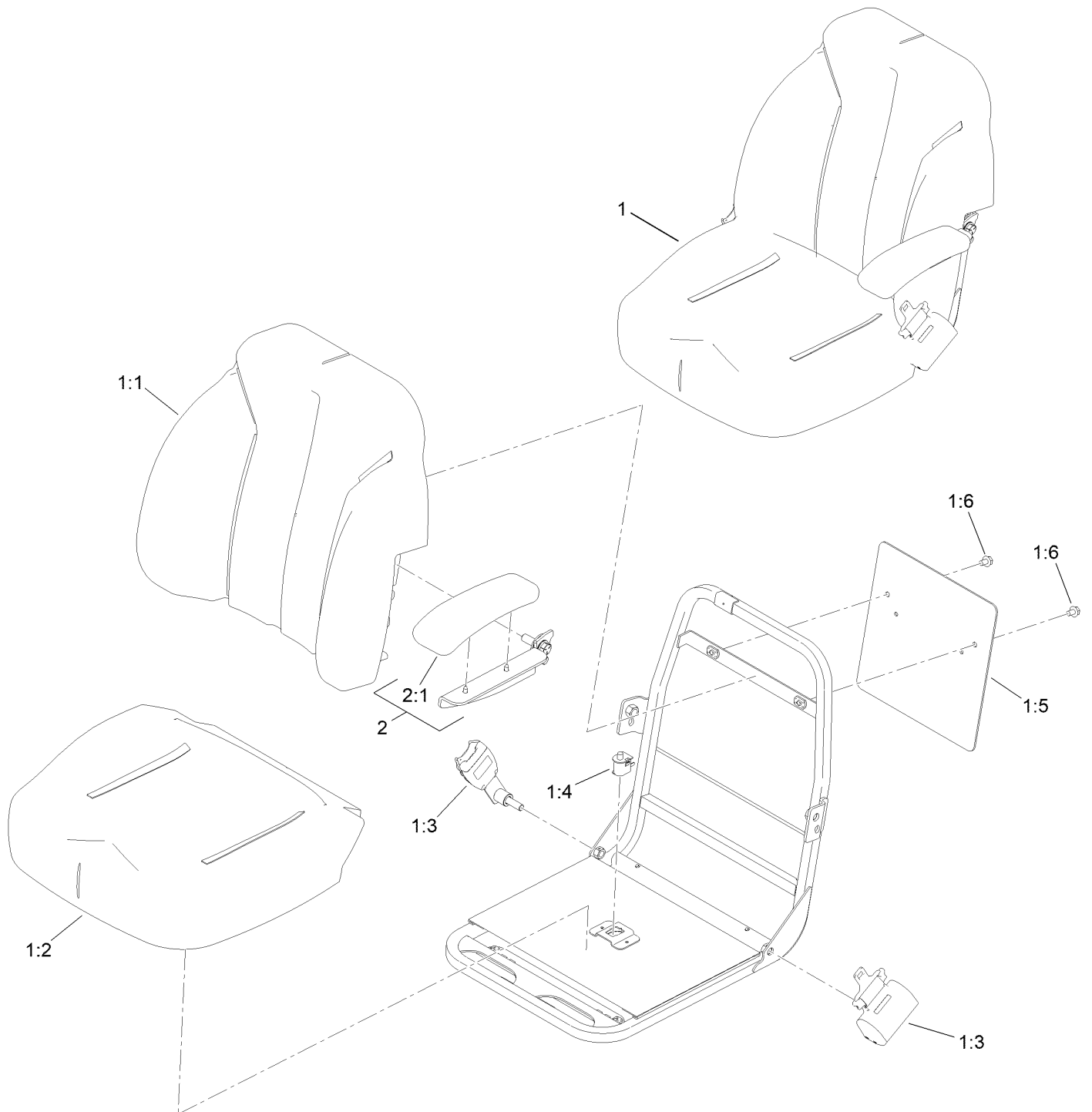


Seat and Track Assembly No. 139-2679 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	139-2700	1	Seat ASM
2	121-3658	1	RH Arm Rest Kit
2:1	110-4163	1	Cushion-Rest, Arm

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	136-9002	4	Spacer-Mounting
4	126-2177	1	Track-Seat

Seat Assembly No. 139-2700

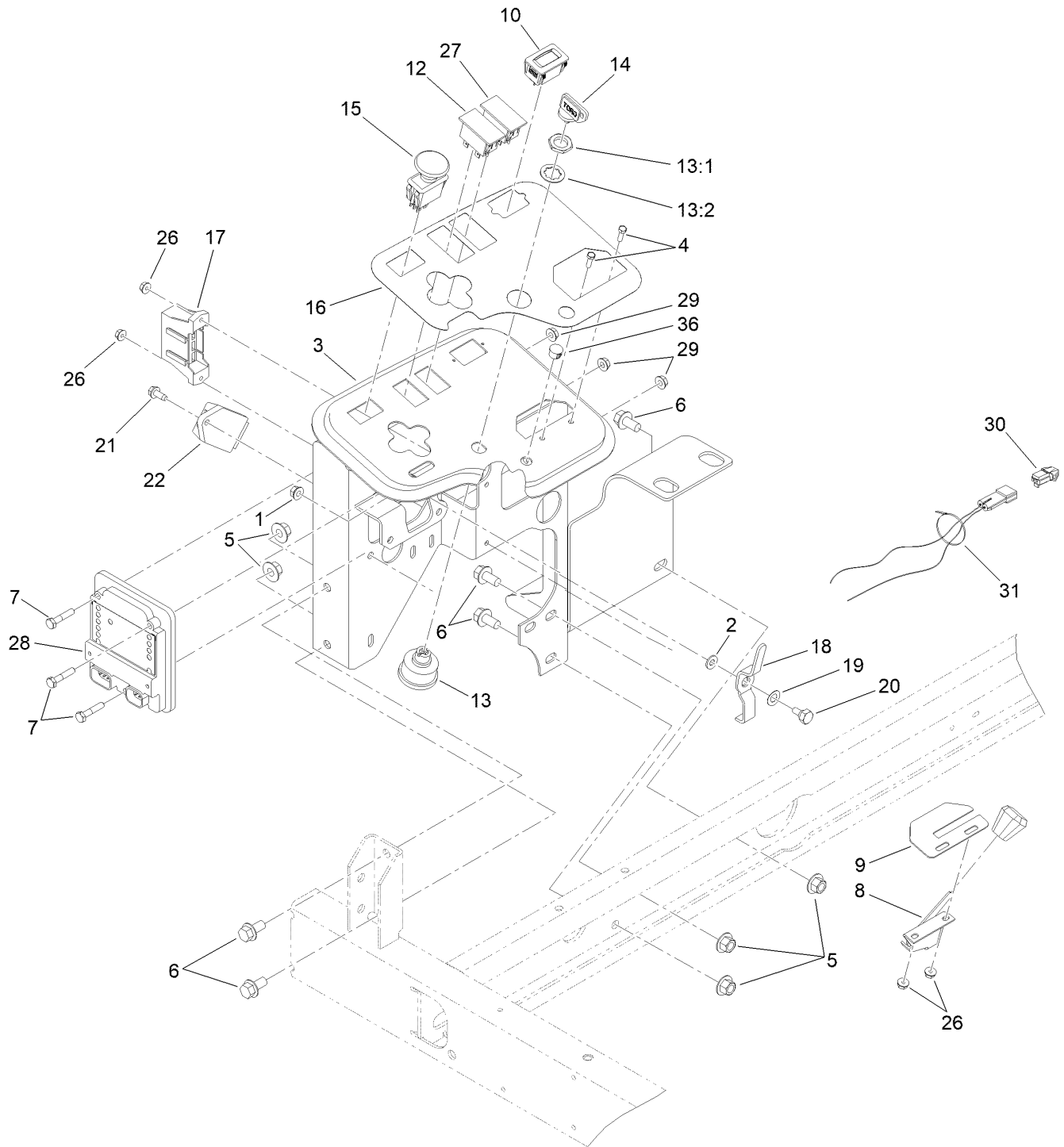


Seat Assembly No. 139-2700 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	139-2680	1	Seat ASM
1:1	145-0083	1	Cover-Seat, Back
1:2	145-0084	1	Cover-Seat, Bottom
1:3	139-2707	1	Seat Belt Kit
1:4	82-2190	1	Switch-Bail

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:5	139-2701	1	Plate-Decal
1:6	3234-30	2	Screw-HHF
2	121-3660	1	LH Arm Rest Kit
2:1	110-4163	1	Cushion-Rest, Arm

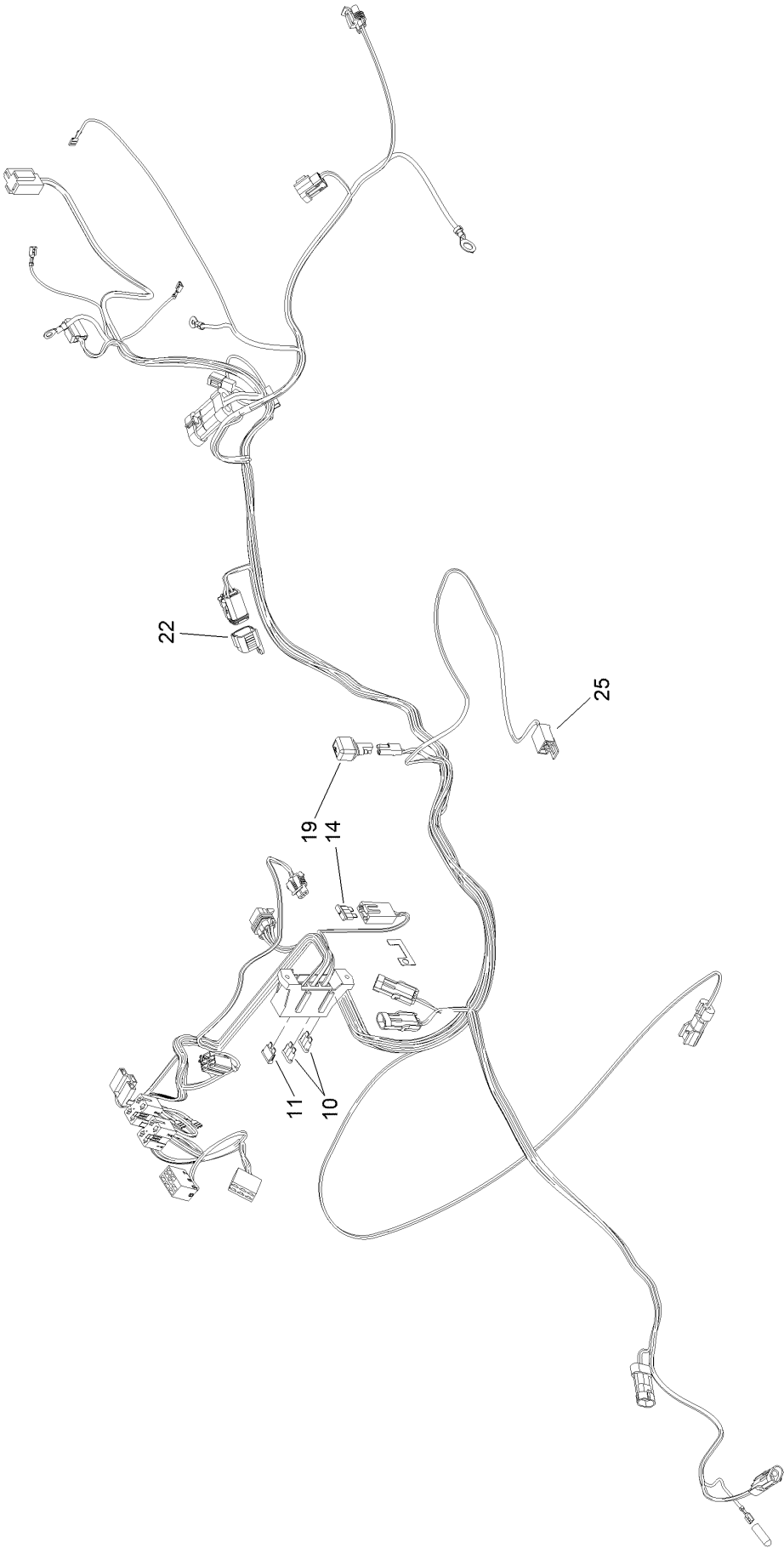
Control Panel Assembly



Control Panel 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>
1	32128-32	1	Nut-HHF	15	93-9999	1	Switch-PTO
2	3256-22	1	Washer-Flat	16	136-3679	1	Decal-Console
3	136-3681-03	1	Panel-Control	17	122-2738	1	Harness-Wire, Main
4	3290-134	4	Screw	18	99-3401	1	Lever-Lock
5	32128-43	5	Nut-Flange	19	3290-477	1	Washer-Curved
6	3234-1	5	Screw-HHF	20	63-3410	1	Screw-Shoulder
7	321-8	3	Screw-HH	21	32144-10	1	Screw-HWH
8	138-1224	1	Cable-Throttle	22	98-7611	1	Controller-Glow
9	104-0421	1	Plate-Stop, Throttle	26	3290-148	4	Nut-HF
10	120-2244	1	Hourmeter	27	100-8071	1	Lamp-Warning
12	100-8070	1	Lamp-Warning	28	106-9277	1	Module-Control, Standard
13	104-2541	1	Ignition Switch ASM	29	32128-33	3	Nut-HF
13:1	218-461	1	Nut-HH	30	104-4875	1	Harness-Wire, Jumper
13:2	3254-5	1	Washer-Lock	31	3290-379	1	Tie-Cable
14	63-8360	1	Key-Ignition	36	2410-64	1	Plug-Button

Wire Harness Assembly No. 122-2738

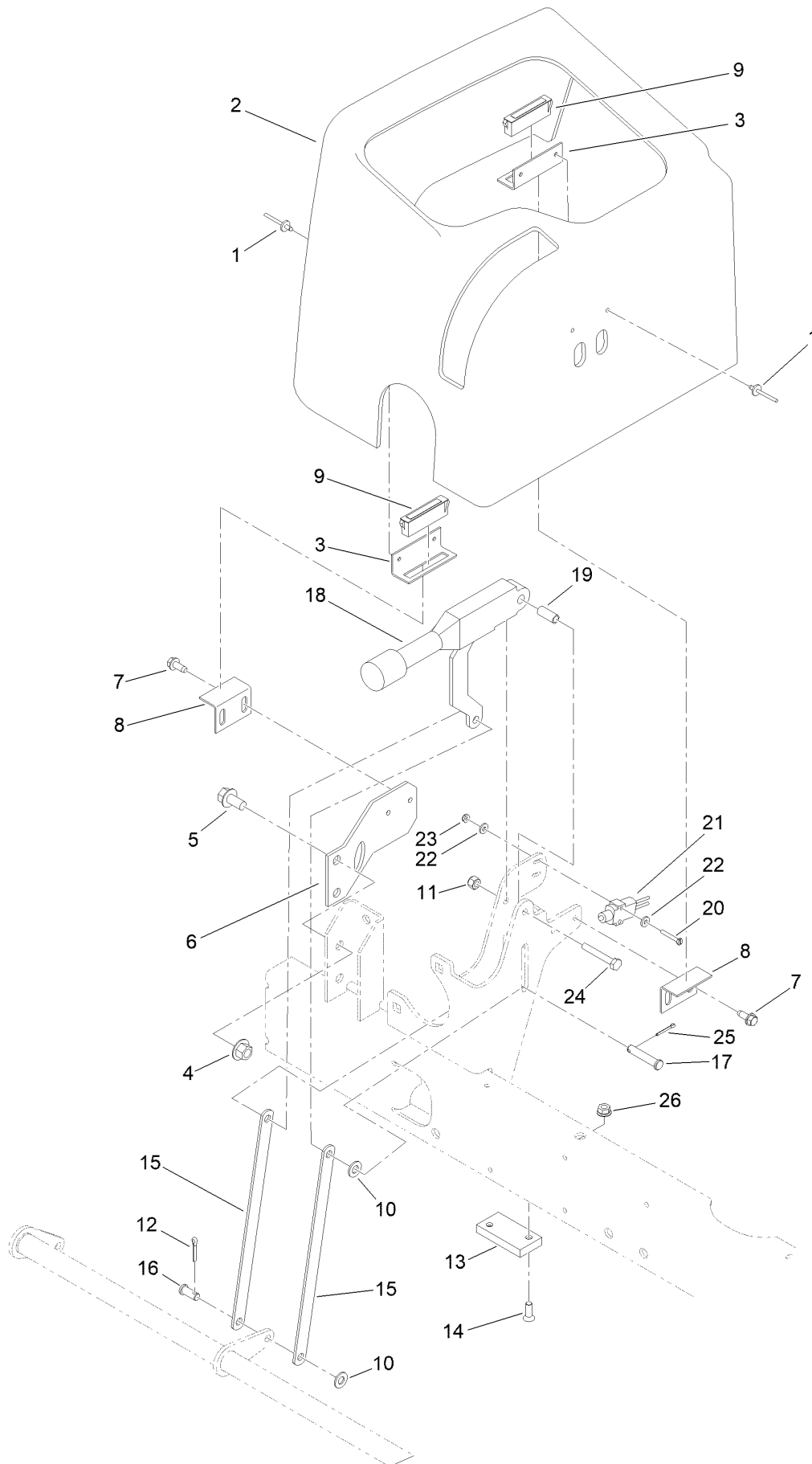


Wire Harness Assembly No. 122-2738 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
10	218-578	2	Fuse-Blade, 10 Amp
11	109355	1	Fuse-Blade, 15 Amp
14	94-6710	1	Fuse-2 Amp

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
19	100-4918	1	Diode
22	32180-156	1	Cap-Plug, 6 Way
25	122-2708	1	Harness-Wire, Seat Switch

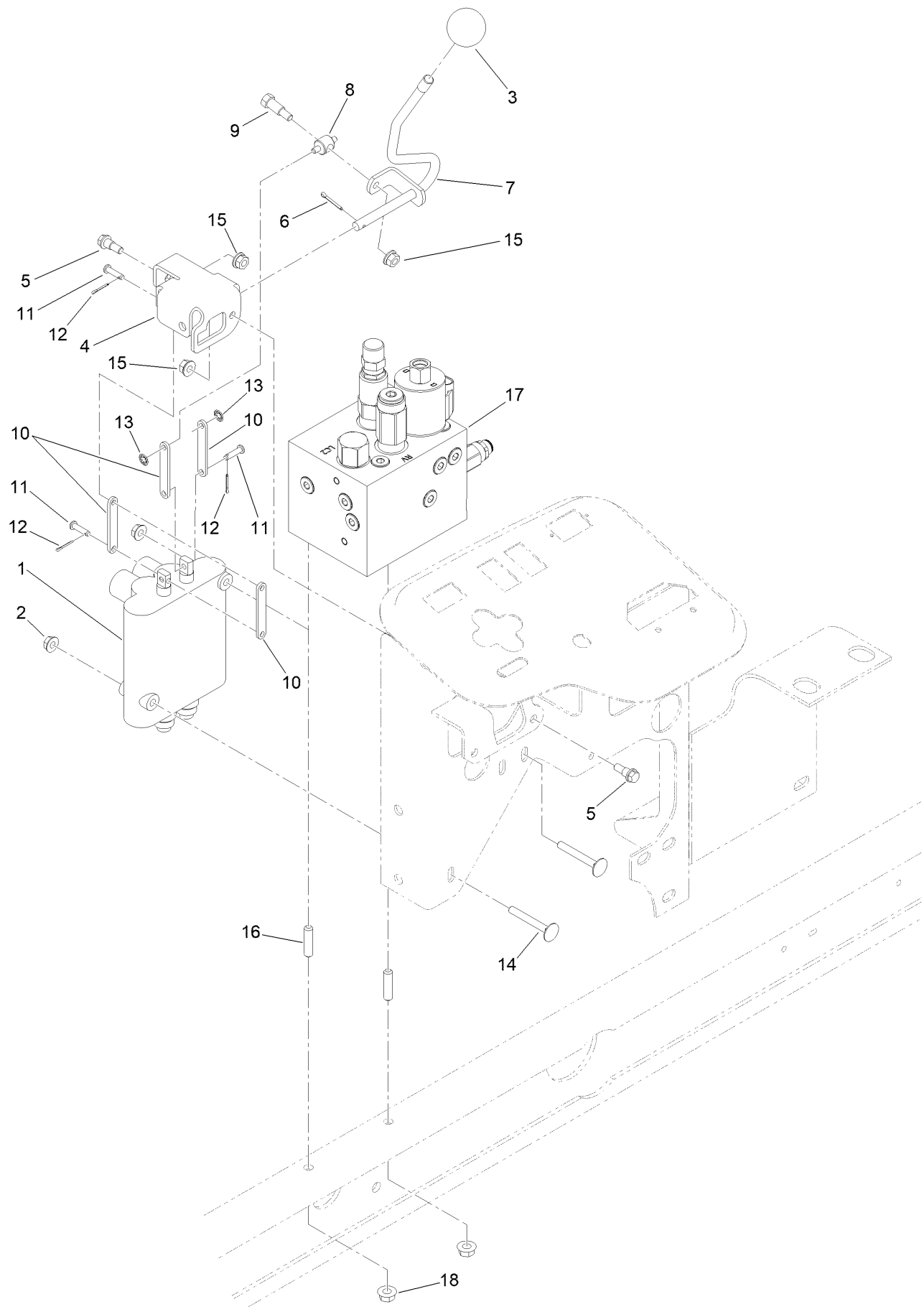
Parking Brake and Dash Cover Assembly



Parking Brake and Dash Cover 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>
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	95-8764-0P	1	Support-Magnet	19	87-4710	1	Spacer-Brake, Parking
7	32144-10	4	Screw-HWH	20	32105-9	2	Screw-HH
8	95-8765	2	Bracket-Strike, Magnet	21	95-8900	1	Switch
9	58-4250	2	Catch-Magnetic	22	3256-21	4	Washer-Flat
10	3256-23	2	Washer-Plain	23	3296-9	2	Nut-Hex
11	3296-42	1	Nut-Lock, NI	24	321-10	1	Screw-HH
12	3272-10	1	Pin-Cotter	25	3272-6	1	Pin-Cotter
13	95-8684	1	Pad-Bumper	26	104-7201	2	Nut-HF, NI

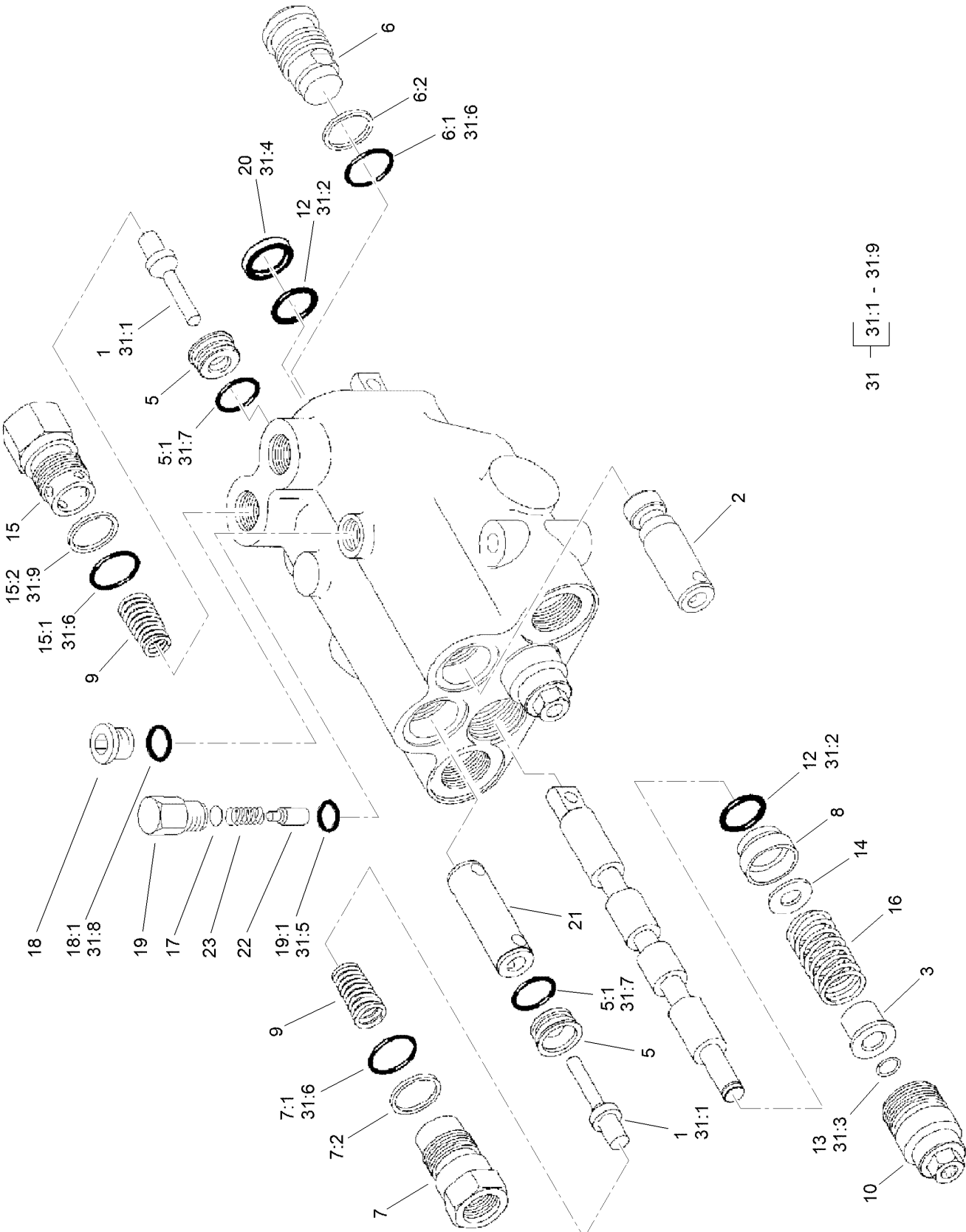
2-Spool Control Valve Assembly



2-Spool Control Valve 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>
1	95-8581	1	2-Spool Control Valve ASM	10	95-8634	4	Link
2	32128-33	2	Nut-HF	11	283-16	3	Pin-Clevis
3	233-42	1	Knob	12	3272-1	3	Pin-Cotter
4	95-8633	1	Bracket-Valve, Actuator	13	32151-106	2	Ring-Retaining
5	42-3560	2	Bolt-Shoulder	14	3230-33	2	Screw-CARR
6	3272-6	1	Pin-Cotter	15	32128-32	3	Nut-HHF
7	95-8635	1	Lever-Valve	16	104-0430	2	Stud
8	95-8638	1	Trunnion-Valve, Actuator	17	145-5279	1	Manifold ASM
9	92-8916	1	Bolt-Shoulder	18	104-8300	2	Nut-HF, NI

2-Spool Control Valve Assembly No. 95-8581



2-Spool Control Valve Assembly No. 95-8581 (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>
1	58-6290	3	Poppet	16	99-3531	2	Spring
2	69-1840	1	Plunger	17	60-6450	1	Disc
3	58-6310	2	Spacer	18	353-989	1	Plug-Hex, Hollow
5	58-6330	3	Seat	18:1	237-42	1	O-Ring
5:1	58-6340	1	O-Ring	19	58-6780	1	Plug
6	58-6350	1	Plug	19:1	58-6790	1	O-Ring
6:1	60-5720	1	O-Ring	20	58-6320	2	Wiper
6:2	58-6370	1	Washer	21	99-3528	1	Plunger
7	69-1800	2	Plug ASM	22	58-6770	1	Plunger
7:1	60-5720	1	O-Ring	23	58-6760	1	Spring
7:2	58-6370	1	Washer	31	99-3530	1	Seal Kit
8	58-6400	2	Bushing	31:1	58-6290	3	Poppet
9	69-1810	3	Spring	31:2	58-6450	4	O-Ring
10	58-6420	2	Cap	31:3	58-6460	2	Ring-Retaining
12	58-6450	4	O-Ring	31:4	58-6320	2	Wiper
13	58-6460	2	Ring-Retaining	31:5	58-6790	1	O-Ring
14	65-2770	2	Washer	31:6	60-5720	4	O-Ring
15	99-3526	1	Plug ASM	31:7	58-6340	2	O-Ring
15:1	60-5720	1	O-Ring	31:8	237-42	1	O-Ring
15:2	59-7730	1	Washer-Backup	31:9	59-7730	2	Washer-Backup

This diagram illustrates the exploded view of a hydraulic valve assembly. The central component is a rectangular valve block with various ports labeled: RV1, CHG, T1, LV, P1, M1, CF, G1, G2, M2, CR, and EV1. The assembly includes the following components:

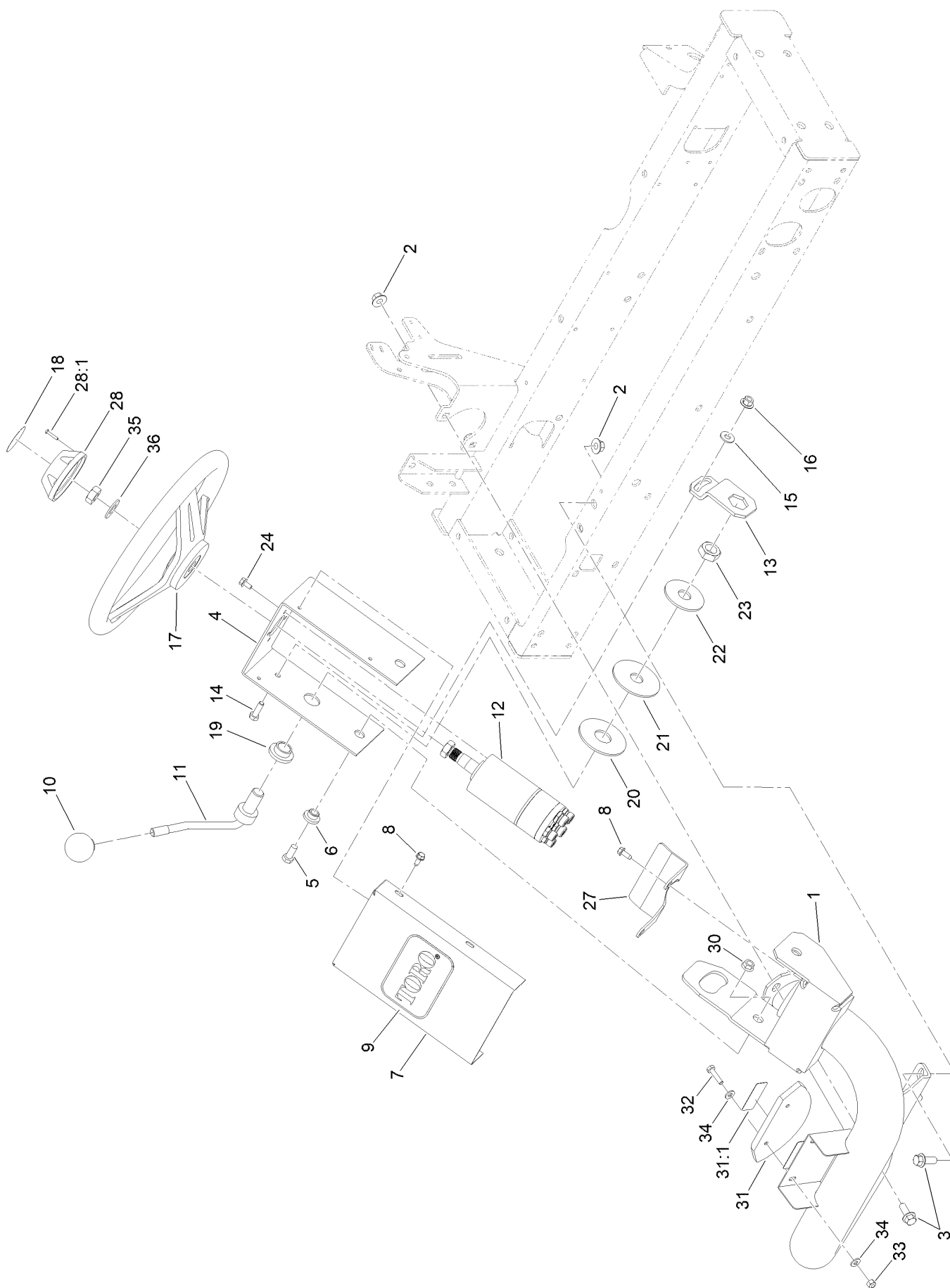
- 11**: A hex nut at the top of the main valve stem.
- 8**: A large cylindrical component, likely a solenoid or actuator, mounted on top of the valve.
- 7**: A long cylindrical stem passing through the valve block.
- 7:1**: A seal or O-ring located between the stem and the valve block.
- 4**: A threaded component, possibly a pilot valve or check valve, mounted on the side of the valve block.
- 4:1**: A seal or O-ring located between the side component and the valve block.
- 5**: A hex nut for the side component.
- 5:1**: A seal or O-ring for the side component.
- 2**: Small O-rings used for sealing the various ports of the valve block.
- 2:1**: A small washer or spacer ring used in conjunction with the O-rings.
- 6**: A cylindrical component, possibly a pilot valve or check valve, mounted on the side of the valve block.
- 6:1**: A seal or O-ring located between the side component and the valve block.
- 3**: A threaded component, possibly a pilot valve or check valve, mounted on the side of the valve block.
- 12**: A hex nut for the bottom of the main valve stem.
- 12:1**: A seal or O-ring located between the stem and the valve block.
- 10**: A small hex nut or plug for one of the ports.

Hydraulic Manifold Assembly No. 145-5279 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	353-512	9	Plug
2:1	237-78	1	O-Ring
3	105-9157	1	Piston-Pilot
4	119-2011	1	Valve-Logic, Adjustable
4:1	119-2159	1	Seal Kit
5	105-9153	1	Element-Logic, Vented
5:1	119-2159	1	Seal Kit
6	112-5259	1	Valve-Relief

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
6:1	105-9156	1	Seal Kit
7	105-9158	1	Valve-Solenoid, N.O.
7:1	105-9159	1	Seal Kit
8	110-6344	1	Coil-12V, DC
10	117-0115	1	Plug
11	130-8180	1	Nut-Coil (9/16-24 Unef-2B)
12	147-2453	1	Valve-Relief
12:1	142-8965	1	Seal Kit

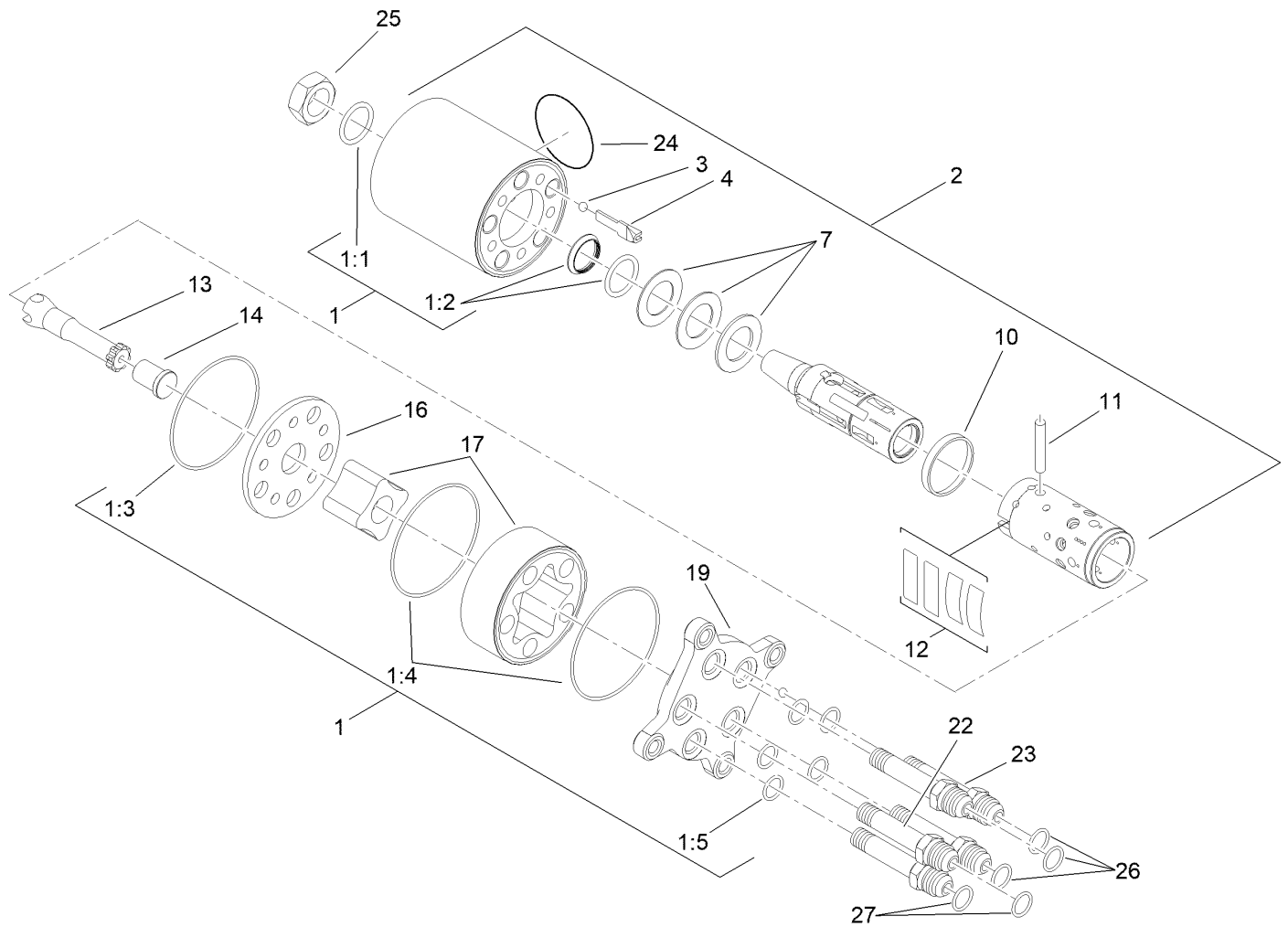
Steering Column Assembly



Steering Column 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>
1	105-8536-01	1	Arm-Steering	19	99-3502	1	Boss
2	32128-43	4	Nut-Flange	20	31-0390	1	Disc-Friction
3	3234-11	4	Screw-HHF	21	82-9010	1	Disc-Friction
4	104-5185-01	1	Bracket-Valve, Steering	22	80-2930	1	Washer-Flat
5	323-5	2	Screw-HH	23	3218-7	1	Nut-Jam
6	93-5988	2	Hub-Pivot	24	33103-012	4	Screw-HHF
7	95-8794-01	1	Cover-Valve, Steering	27	99-3405-01	1	Shield-Steering
8	32144-10	5	Screw-HWH	28	68-5140	1	Cap-Wheel, Steering
9	67-1300	1	Decal	28:1	32144-21	1	Screw
10	233-48	1	Knob	30	32128-21	2	Nut-HF Lock
11	95-8798-03	1	Lever-Steering	31	100-4929	1	Slope Indicator ASM
12	121-7856	1	Steering Valve ASM	31:1	121-3628	1	Decal-Angle
13	80-2880	1	Bracket-Tilt	31:1	121-3598	1	Decal-Danger, 17 Degree
14	322-5	1	Screw-HH	32	321-7	2	Screw-HH
15	3256-3	1	Washer-Flat	33	3296-42	2	Nut-Lock, NI
16	32128-44	1	Nut	34	3256-22	4	Washer-Flat
17	145-0051	1	Steering Wheel	35	3296-33	1	Nut-Lock, NI
18	68-5370	1	Decal	36	3256-27	1	Washer-Flat

Steering Valve Assembly No. 121-7856

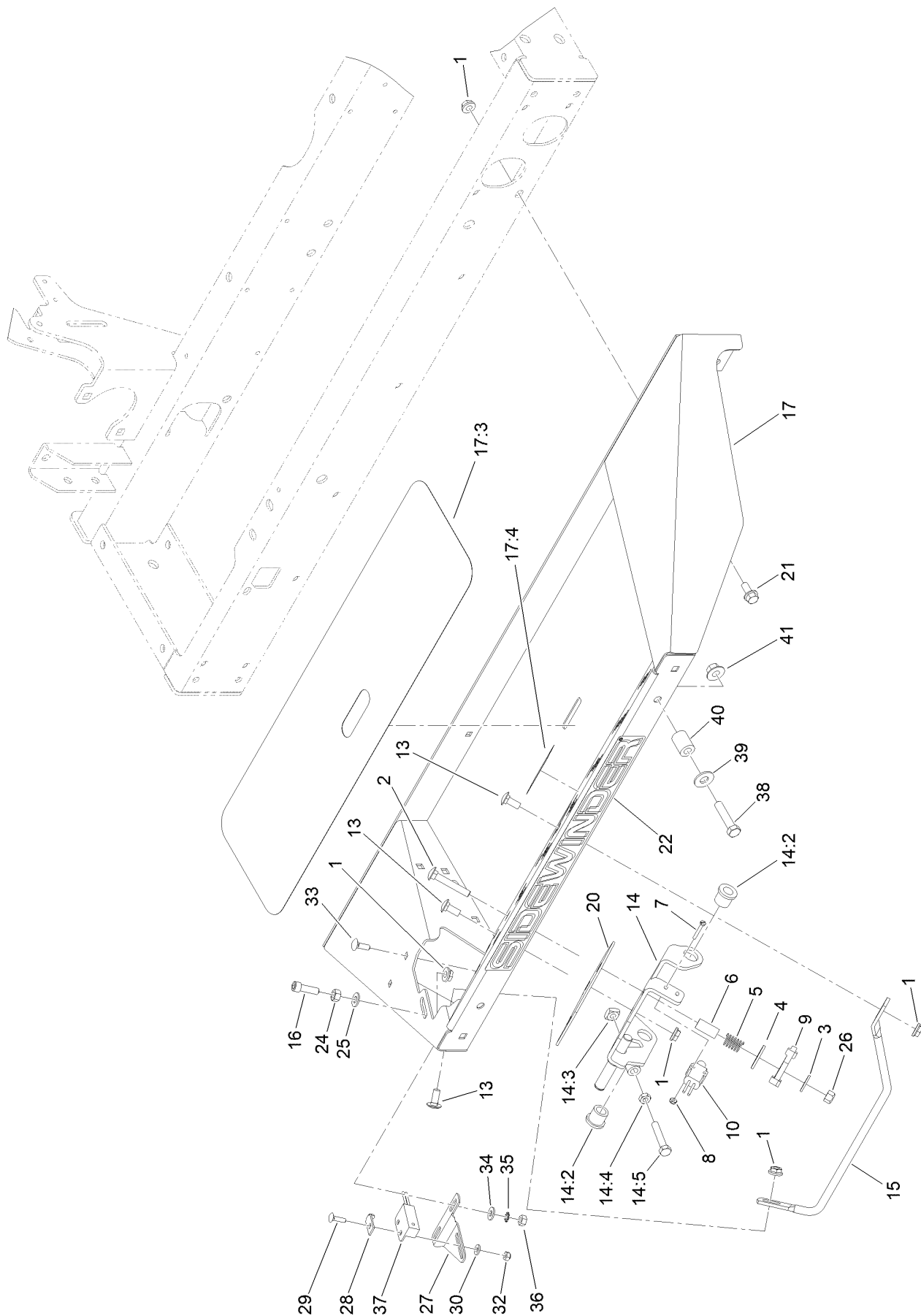


Steering Valve Assembly No. 121-7856 (continued)

<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>
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

● Not serviced separately

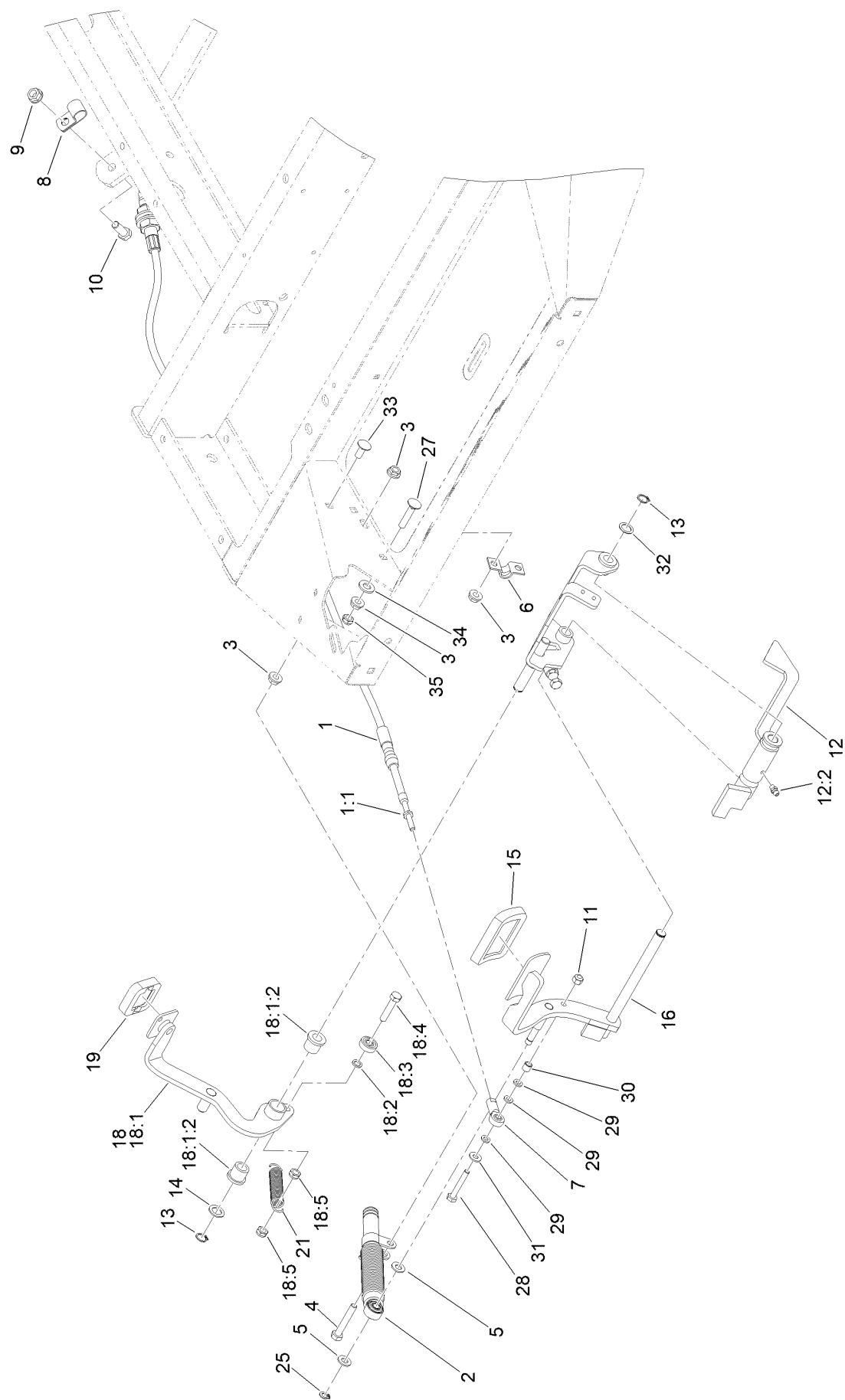
Floorplate Assembly



Floorplate 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>
1	32128-20	15	Nut-HF	20	106-2661-0P	1	Plate-Support
2	3230-6	1	Bolt-CARR	21	3234-5	10	Screw-HHF
3	3256-3	1	Washer-Flat	22	99-3388	1	Decal
4	3256-40	1	Washer-Flat	24	3217-6	1	Nut-Hex
5	65-9940	1	Spring	25	3256-23	1	Washer-Plain
6	95-8866	1	Tube-Arm, Rocker	26	3296-29	1	Nut-Lock, NI
7	32105-9	2	Screw-HH	27	100-4871	1	Bracket-Switch, Neutral
8	3296-9	2	Nut-Hex	28	100-4872	1	Plate-Switch, Neutral
9	99-3593	1	Arm-Rocker	29	3229-20	1	Screw-CARR
10	95-8900	1	Switch	30	3256-14	1	Washer-Flat
13	3230-23	4	Bolt-CARR	32	3296-2	1	Nut-Lock, NI
14	140-6253	1	Traction Bracket ASM	33	3229-1	2	Screw-CARR
14:2	256-243	2	Bearing-Flange	34	3256-22	2	Washer-Flat
14:3	99-3565	1	Nut-Square	35	3255-7	2	Washer-Lock/EXT
14:4	3218-2	1	Nut-Hex Jam	36	3217-5	2	Nut-Hex
14:5	322-41	1	Bolt-Hex,TAP	37	100-1270	1	Switch-Proximity
15	95-8893	1	Bar-Deflector	38	323-9	2	Screw-HH
16	3274-22	1	Screw-HSH	39	3256-4	2	Washer-Flat
17	106-4154	1	Floorplate ASM	40	104-4613	2	Tube-Latch
17:3	99-3478	1	Tread-Foot	41	32128-43	2	Nut-Flange
17:4	99-3444	1	Decal-Mow / Transport				

Traction Pedal Assembly

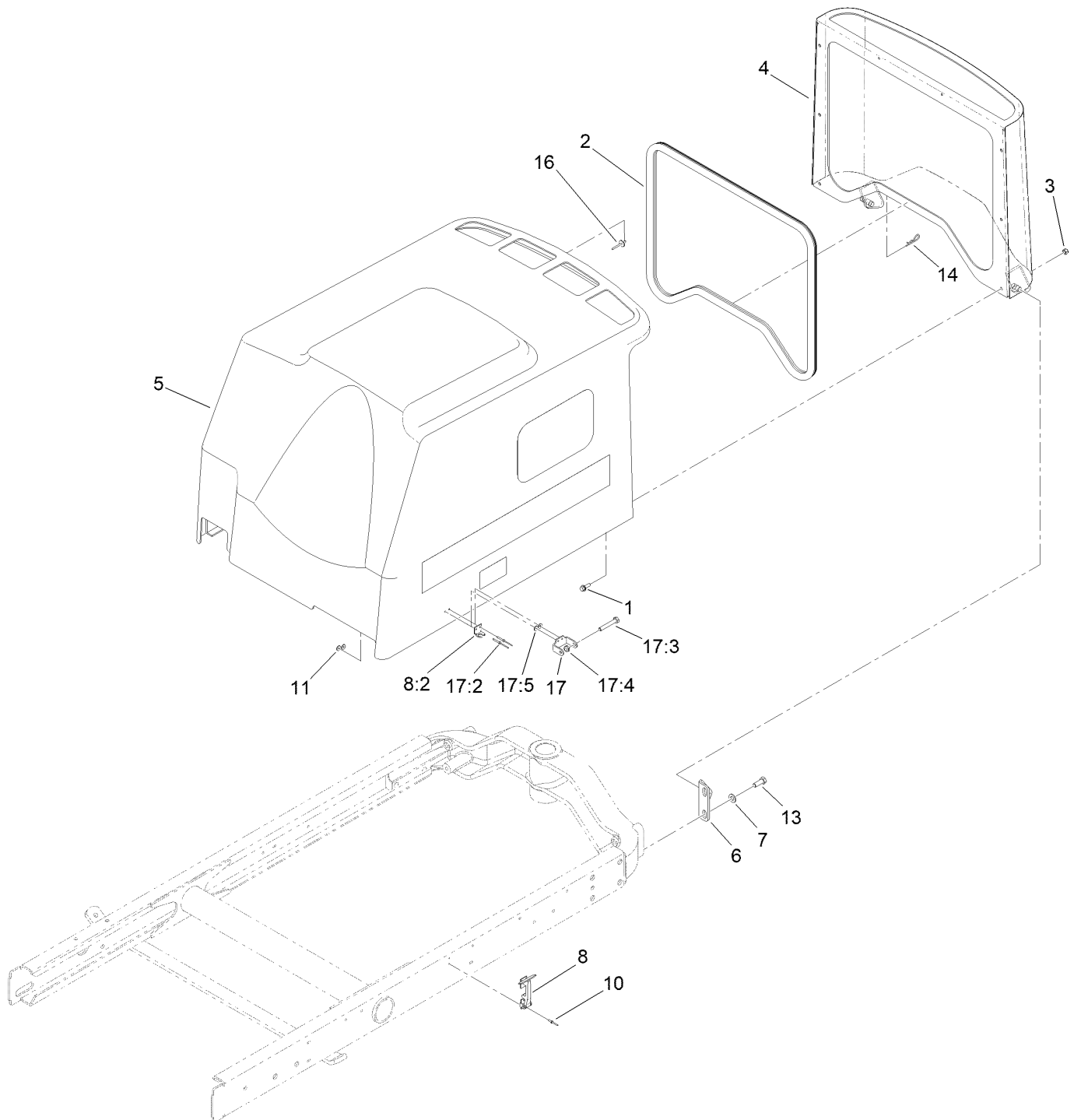


Traction Pedal Assembly (continued)

<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>
1	100-4815	1	Cable-Control, Traction	18:1		1	Reverse Pedal ASM
1:1	3220-1	2	Nut-Jam				W/Bushings ●
2	140-6248	1	Damper	18:1:2	256-243	2	Bearing-Flange
3	32128-20	5	Nut-HF	18:2	75-5470	1	Spacer-Bearing
4	322-10	1	Screw-HH	18:3	251-259	1	Bearing-Ball
5	3256-23	2	Washer-Plain	18:4	322-7	1	Screw-HH
6	93-2092	1	Clamp-Cable	18:5	3296-47	2	Nut-Lock,NI
7	2411-41	1	Rod End-Ball Joint	19	74-9110	1	Pad-Pedal, Reverse
8	2412-41	1	Clamp-R	21	99-3476	1	Spring-Extension
9	3290-357	1	Nut-HSF	25	32151-3	1	Ring-Grip
10	323-6	1	Screw-HH	27	3230-27	1	Screw-CARR
11	3296-42	1	Nut-Lock, NI	28	321-10	1	Screw-HH
12	140-6255	1	Detent Slider ASM	29	33093-00	3	Washer-Flat
12:2	302-5	1	Fitting-Grease	30	99-3545	1	Spacer
13	32151-84	2	Ring-Shaft, EXT	31	3256-22	1	Washer-Flat
14	41-8440	1	Washer	32	73-0040	4	Washer-Thrust
15	74-9100	1	Pad-Pedal, Forward	33	3230-23	2	Bolt-CARR
16	140-6263	1	Traction Pedal ASM	34	3256-24	1	Washer-Plain
18	140-6251	1	Reverse Pedal ASM	35	3296-47	1	Nut-Lock,NI

● Not serviced separately

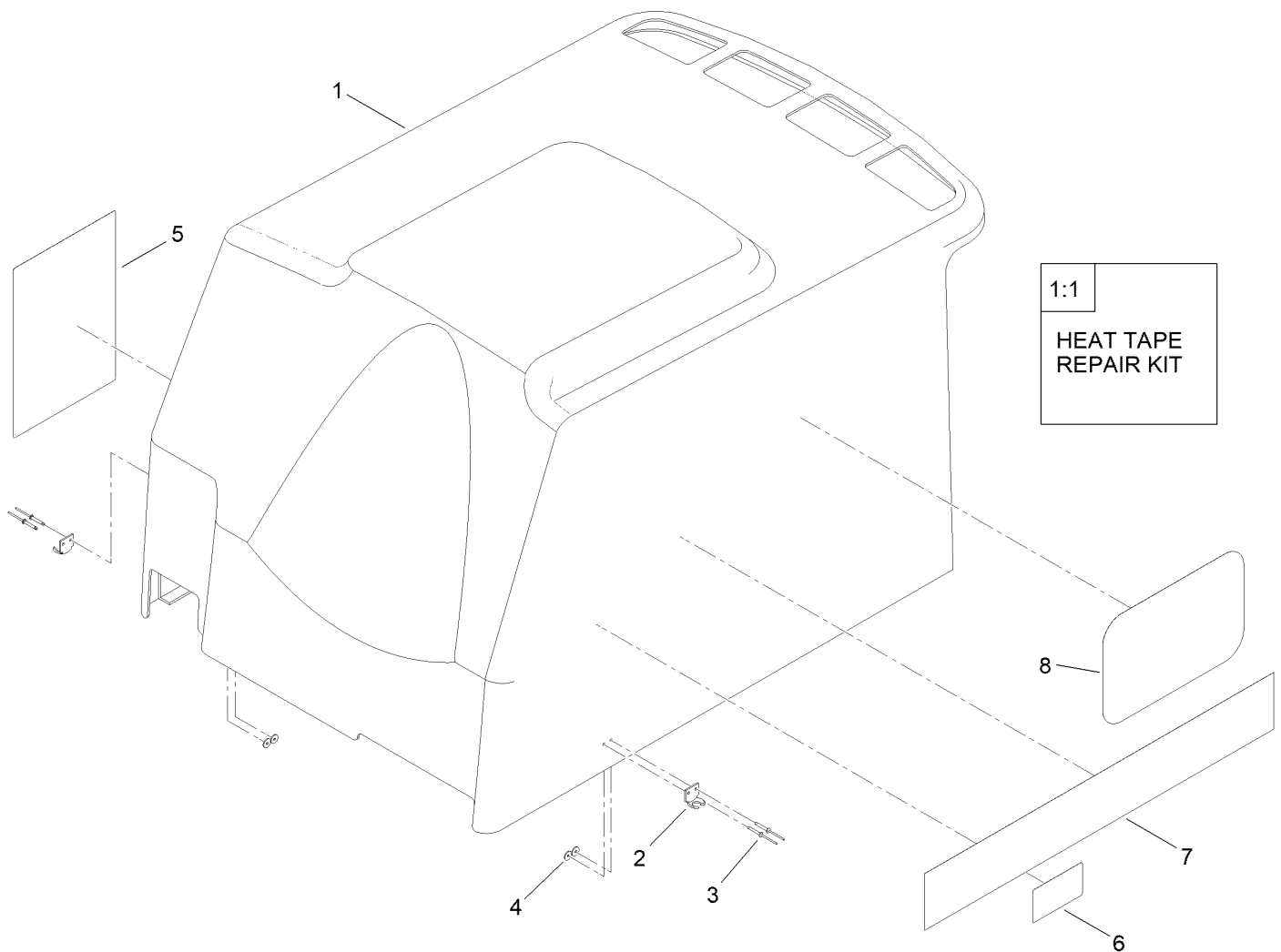
Hood Assembly



Hood 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>
1	3234-4	6	Screw-HHF	11	3269-10	4	Washer-Back
2	100-4932	1	Trim-Seal	13	323-6	4	Screw-HH
3	3296-42	6	Nut-Lock, NI	14	3290-467	1	Pin-Hair
4	104-4853-03	1	Screen-Hood	16	3269-21	2	Rivet-Pop
5	121-3631	1	Hood ASM	17	119-2004	1	CE Latch Kit
6	95-8728	2	Bracket-Pivot, Hood	17:2	107-0333	2	Rivet-Pop
7	3256-24	4	Washer-Plain	17:3	322-10	1	Screw-HH
8	59-9740	2	Flex Draw Latch ASM	17:4	3296-47	1	Nut-Lock,NI
8:2	249-40	1	Keeper	17:5	3269-10	2	Washer-Back
10	3290-55	4	Rivet-Pop				

Hood Assembly No. 121-3631



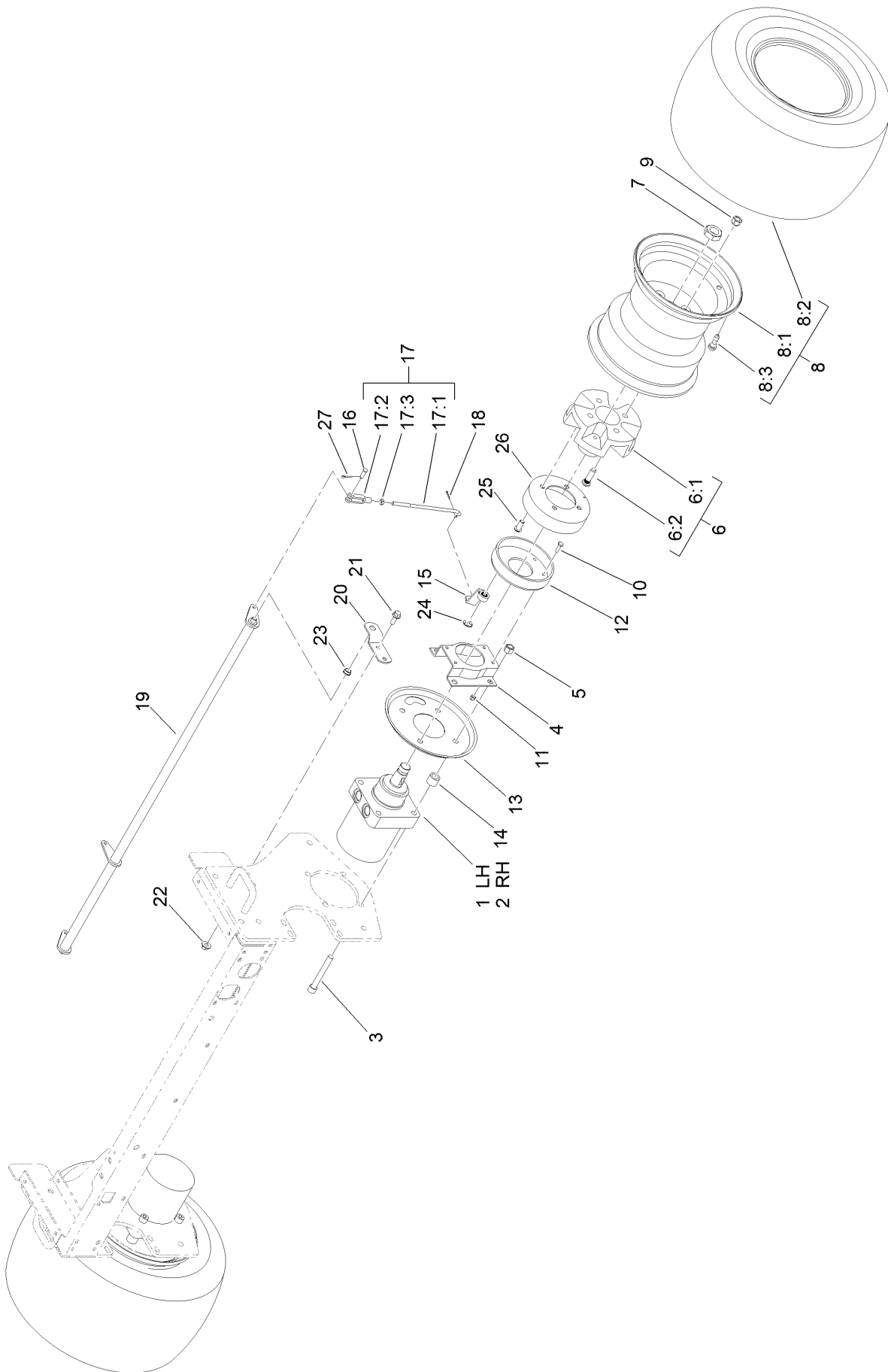
Hood Assembly No. 121-3631 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Hood ●
1:1	106-8115	1	Heat Tape Repair Kit
2	249-40	2	Keeper
3	107-0333	4	Rivet-Pop
4	3269-10	4	Washer-Back

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	136-3713	1	Decal-Service
6	117-3270	1	Decal-Danger
7	104-5152	2	Decal-Hood
8	66-6140	2	Decal

● Not serviced separately

Wheel Motor and Brake Assembly

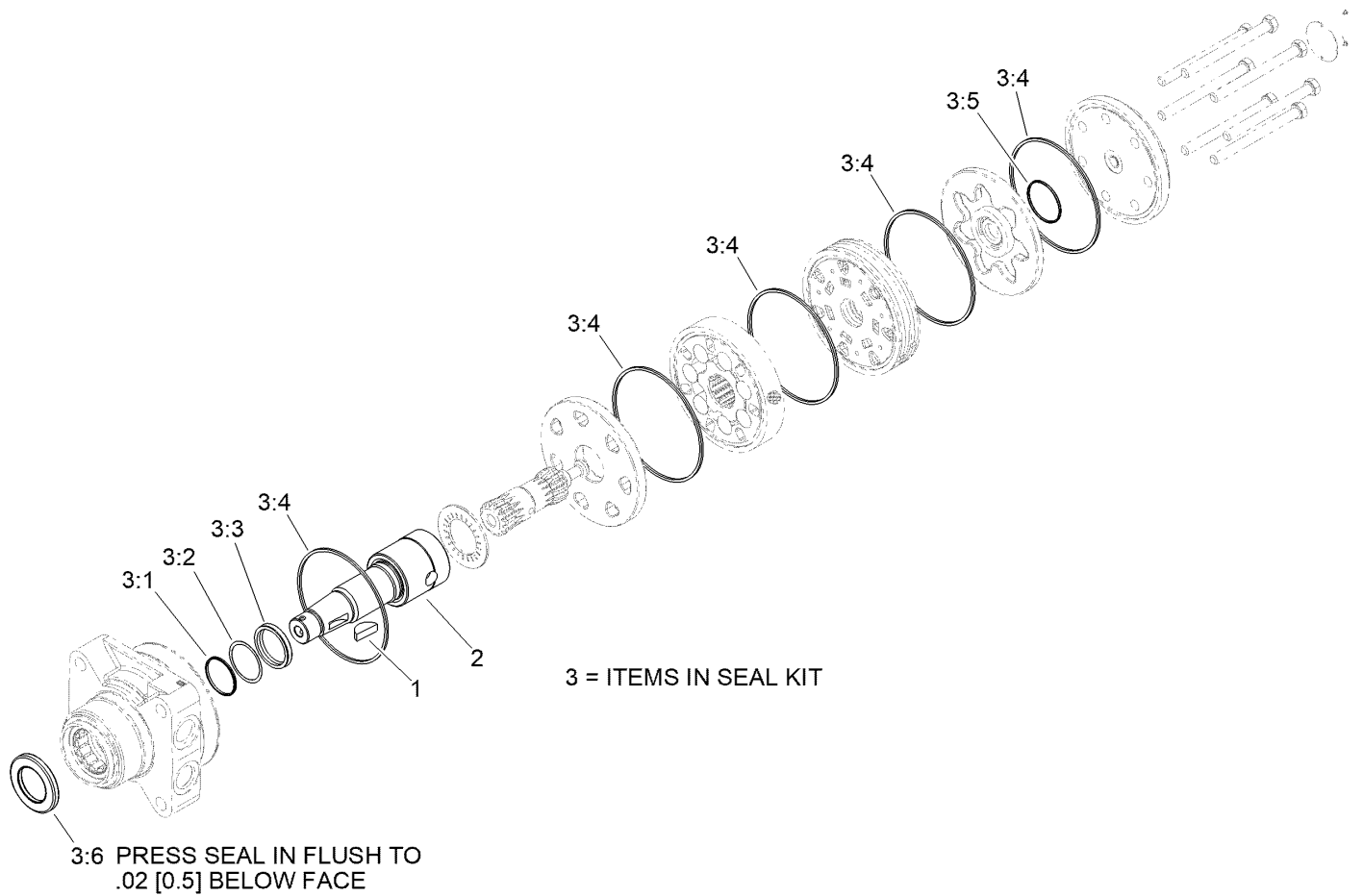


Wheel Motor and Brake Assembly (continued)

<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>
1	110-8785	1	HYD Motor ASM (CCW)	14	119-8238	8	Spacer-Deck Pulley
2	110-8786	1	HYD Motor ASM (CW)	15	114-2726	2	Lever-Brake
3	3274-99	8	Screw-HSH	16	283-1	2	Pin-Clevis
4	84-2000-0P	2	Bracket-Brake	17	115-6672	2	Brake Lever ASM
5	3296-23	8	Nut-Lock, NI	17:1	104-4627	1	Rod-Adjusting
6		2	Wheel Hub/Stud ASM ●	17:2	1-303105	1	Yoke-Adjustable
6:1	104-0462	1	Hub-Wheel, Spacer	17:3	3220-2	1	Nut-Jam
6:2	10-6830	4	Stud-Type, Drive	18	3272-6	2	Pin-Cotter
7	26-3790	2	Nut-Lock	19	104-4625-03	1	Shaft-Pivot, Brake
8		2	Tire And Rim ASM ●	20	95-8683	2	Bracket-Pivot, Brake
8:1	121-3548	1	Rim	21	3234-11	4	Screw-HHF
8:2	117-5125	1	Tire	22	32128-43	4	Nut-Flange
8:3	232-27	1	Stem-Valve	23	256-156	2	Bushing-Flange
9	242-50	8	Nut-Lug	24	104-7706	2	E-Ring, Bowed
10	321-5	8	Screw-HH	25	3274-105	8	Screw-HSBH
11	3296-42	8	Nut-Lock, NI	26	104-4809	2	Drum-Brake
12	104-7705	2	Brake ASM	27	3272-10	2	Pin-Cotter
13	104-0485-0P	2	Shield-Wheel				

● Not serviced separately

Hydraulic Motor Assembly No. 110-8785



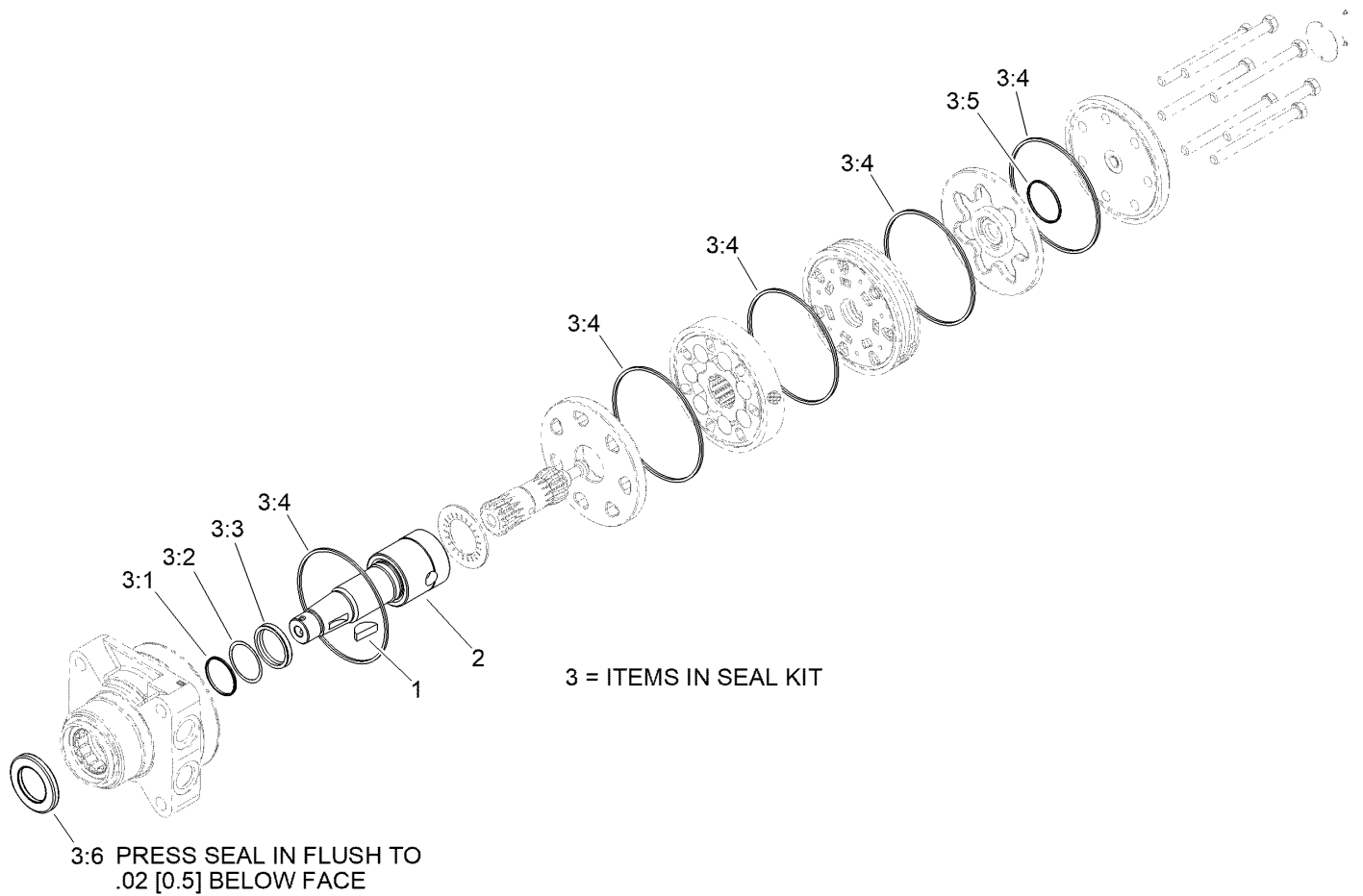
Hydraulic Motor Assembly No. 110-8785 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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 ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3:3		1	Seal-Shaft ●
3:4		5	Seal-Ring ●
3:5		1	Seal-Commutator ●
3:6		1	Seal-Dirt And Water ●

● Not serviced separately

Hydraulic Motor Assembly No. 110-8786



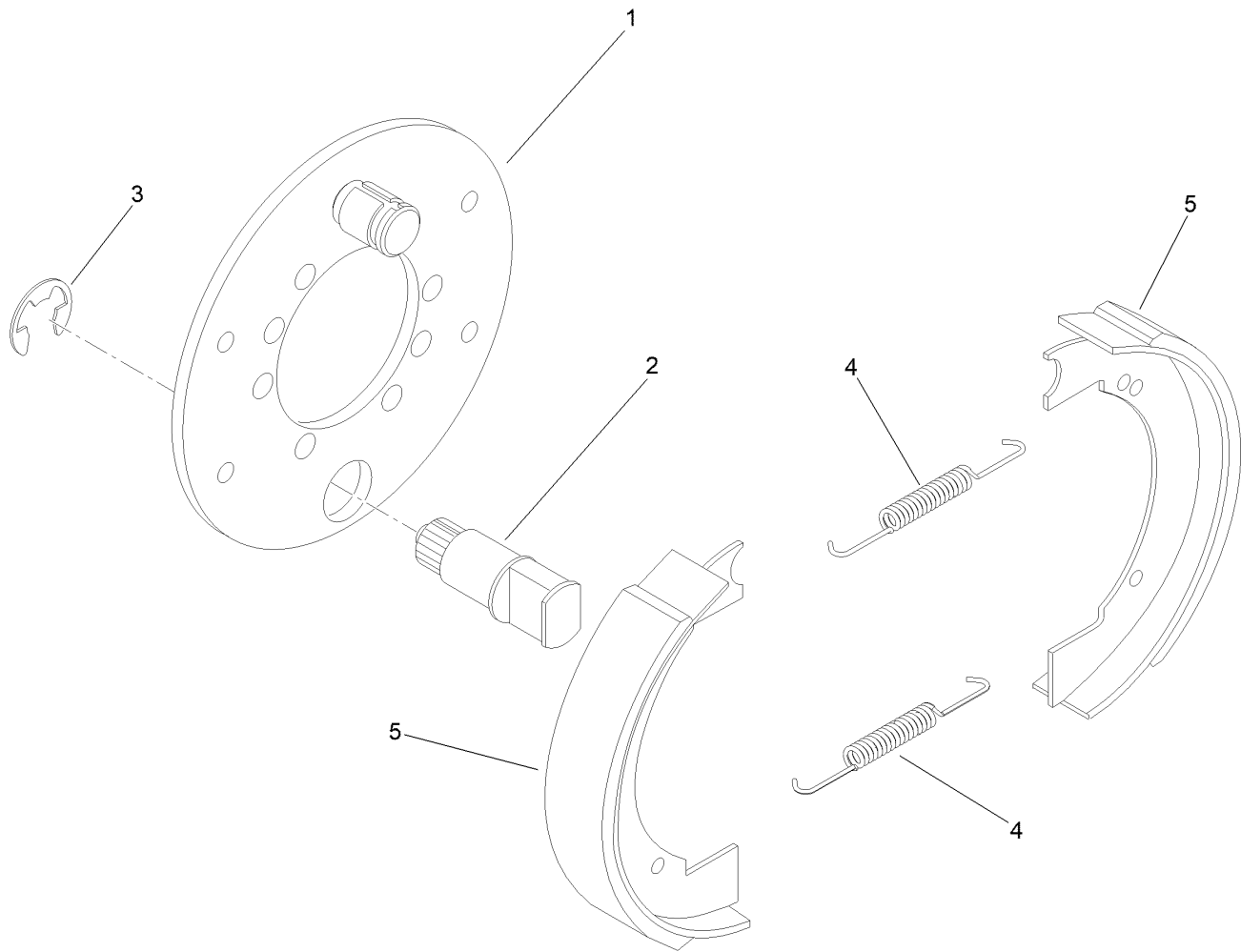
Hydraulic Motor Assembly No. 110-8786 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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 ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3:3		1	Seal-Shaft ●
3:4		5	Seal-Ring ●
3:5		1	Seal-Commutator ●
3:6		1	Seal-Dirt And Water ●

● Not serviced separately

Brake Assembly No. 104-7705

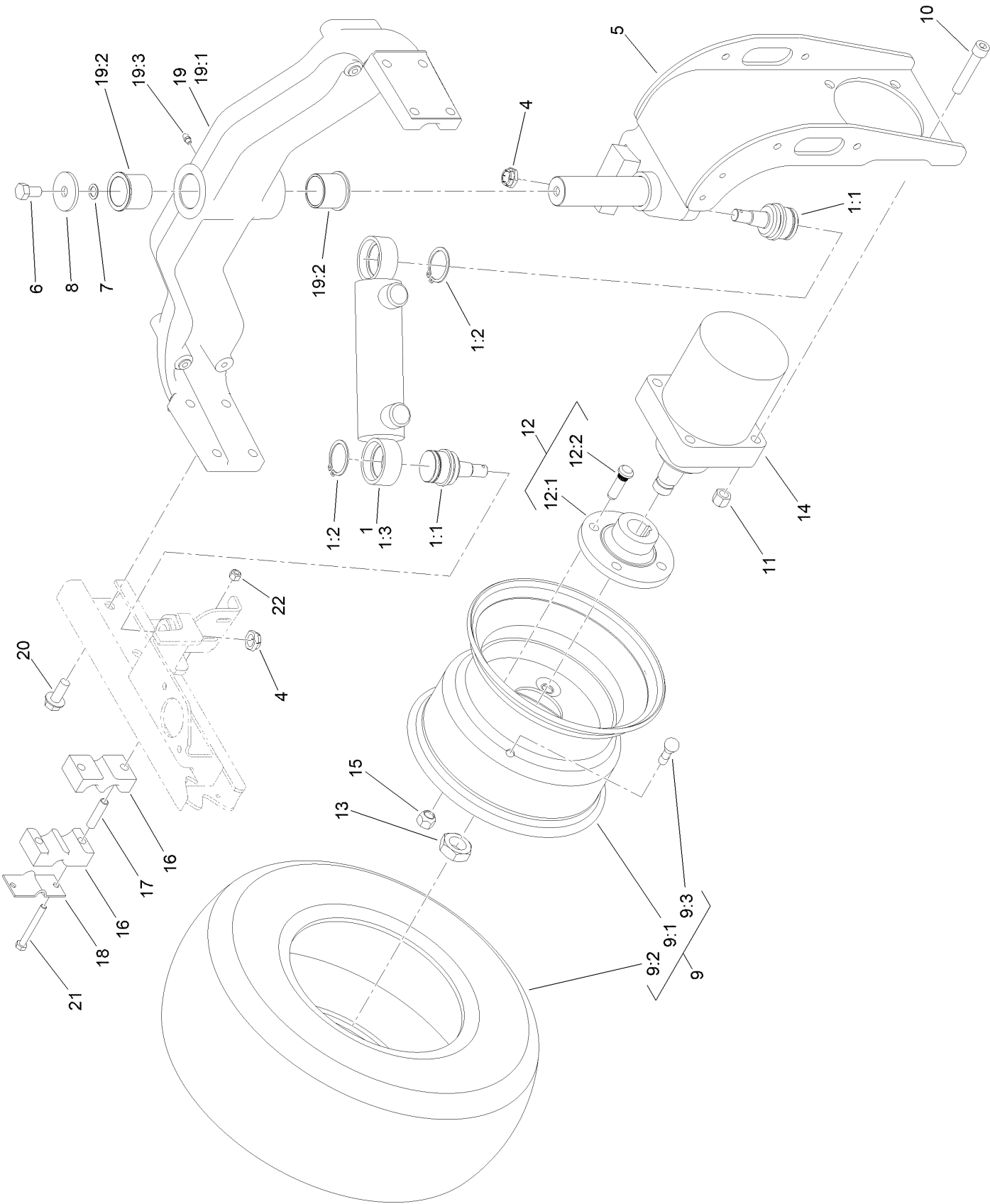


Brake Assembly No. 104-7705 (continued)

<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

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
4	70-9880	2	Spring-Return
5	70-9840	2	Shoe-Brake

Rear Fork and Tire Assembly

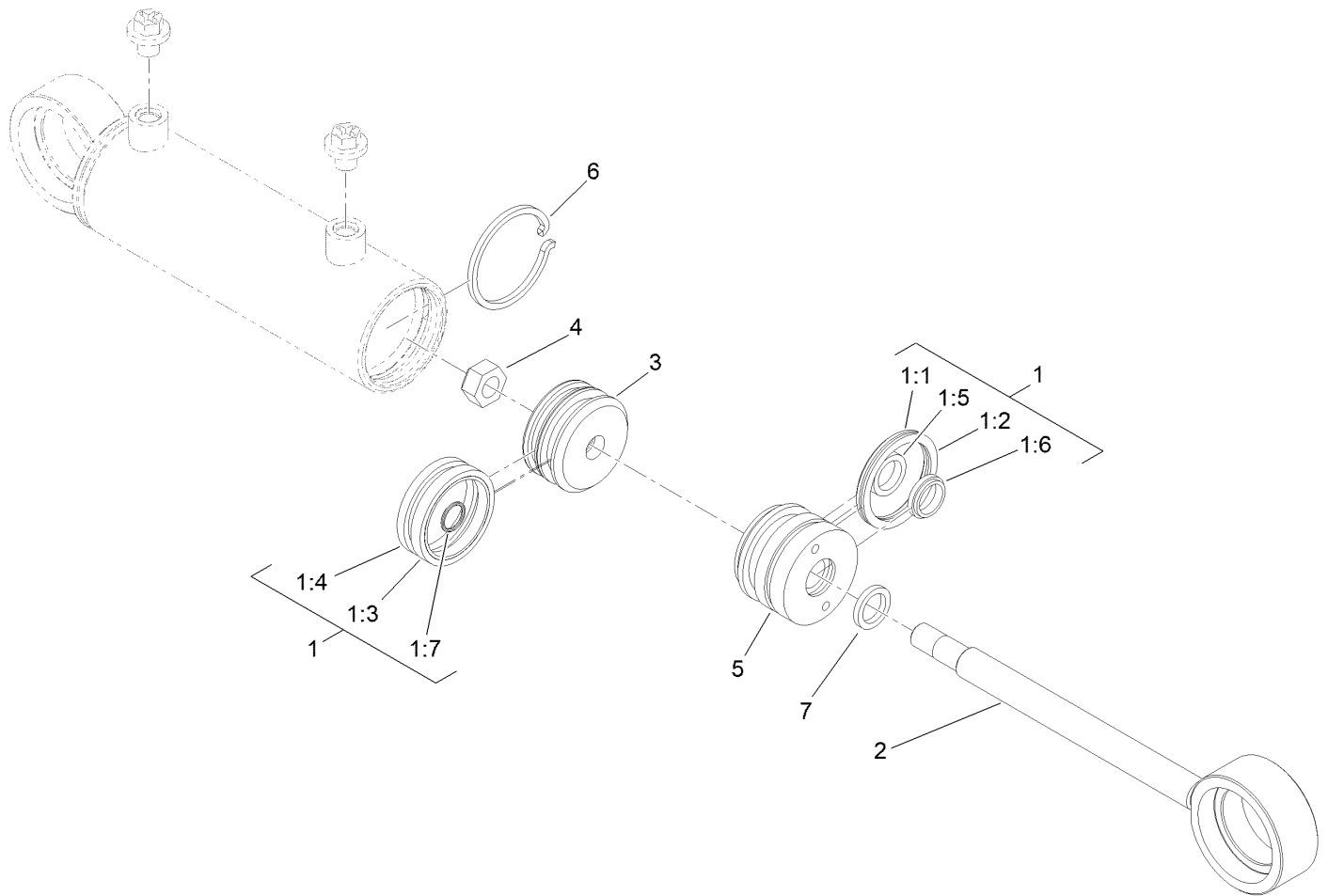


Rear Fork and Tire Assembly (continued)

<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>
1		1	Steering Cylinder ASM ●	12:1	10-6870-03	1	Hub-Wheel
1:1	121-3605	2	Ball Joint	12:2	10-6830	4	Stud-Type, Drive
1:2	32151-104	2	Ring-Retaining, External	13	26-3790	1	Nut-Lock
1:3	121-3653	1	Cylinder-HYD	14	95-8694	1	HYD Motor ASM
4	121-3611	2	Nut-Hex, Flextop	15	242-50	4	Nut-Lug
5	136-3812-01	1	Fork-Rear	16	82-8170	2	Clamp
6	325-3	1	Screw-HH	17	93-7960	2	Spacer
7	3255-2	1	Washer-Lock, EXT	18	93-7961	1	Clamp-Drain, Case
8	75-7730	1	Washer-Thrust	19	127-8576	1	Rear Casting ASM
9		1	Wheel And Tire ASM ●	19:1		1	Casting-Rear ●
9:1	117-5129	1	Rim	19:2	127-8572	2	Bushing-Flange
9:2	115-1572	1	Tire	19:3	302-5	1	Fitting-Grease
9:3	232-27	1	Stem-Valve	20	3234-38	8	Screw-HHF
10	3274-93	4	Screw-HSH	21	322-13	2	Screw-HH
11	3296-23	4	Nut-Lock, NI	22	3296-29	2	Nut-Lock, NI
12		1	Wheel Hub/Stud ASM ●				

● Not serviced separately

Hydraulic Cylinder Assembly No. 121-3653



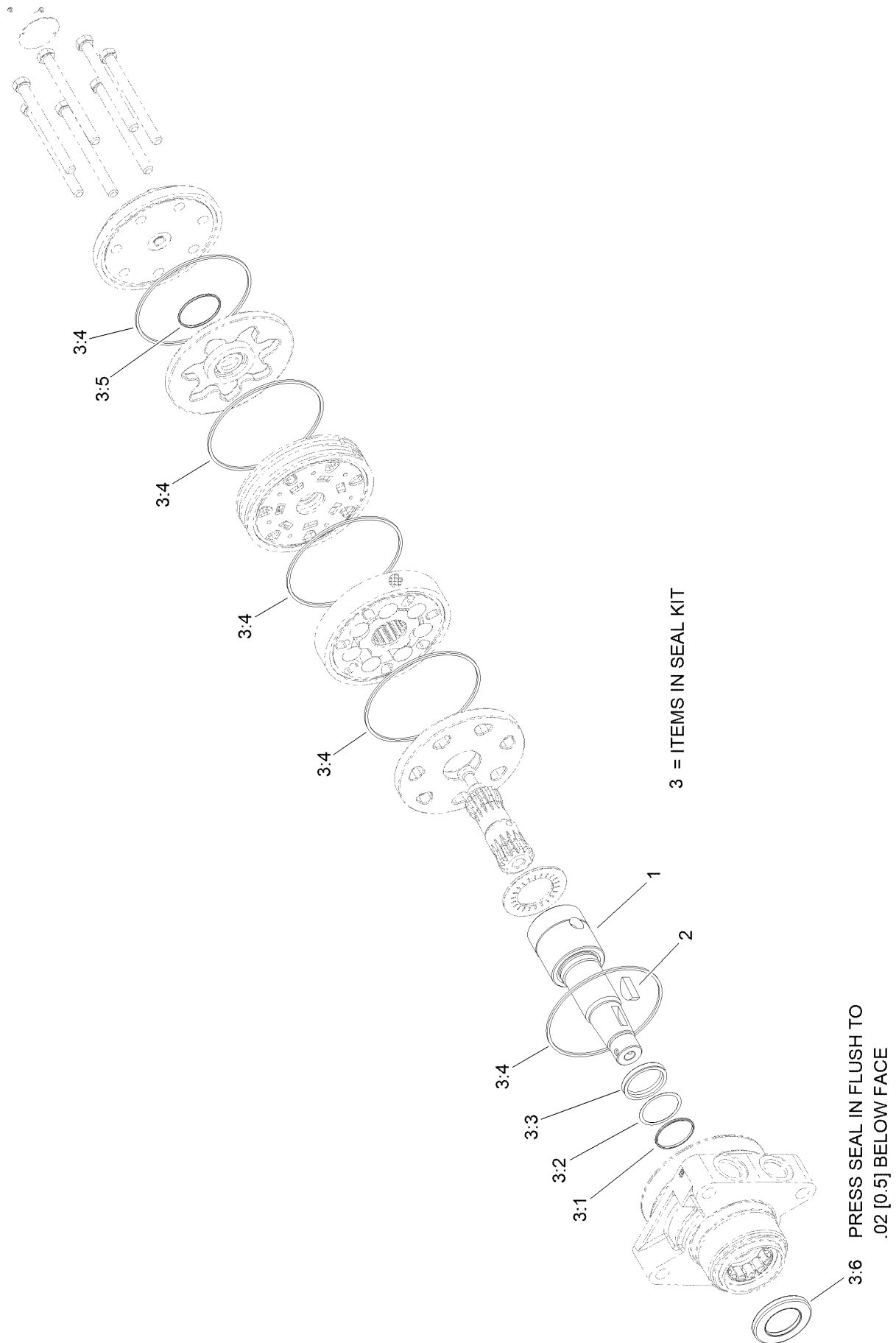
Hydraulic Cylinder Assembly No. 121-3653 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	136-3278	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	Backup ●
1:3		1	Psp Seal ●
1:4		1	Wear Ring ●
1:5		1	Bt Seal ●
1:6		1	Dust Seal ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1:7		1	O-Ring ●
2		1	Rod ●
3		1	Piston ●
4		1	Head ●
5		1	Lock Nut ●
6		1	Retaining Ring ●
7		1	Square O-Ring ●

● Not serviced separately

Hydraulic Motor Assembly No. 95-8694



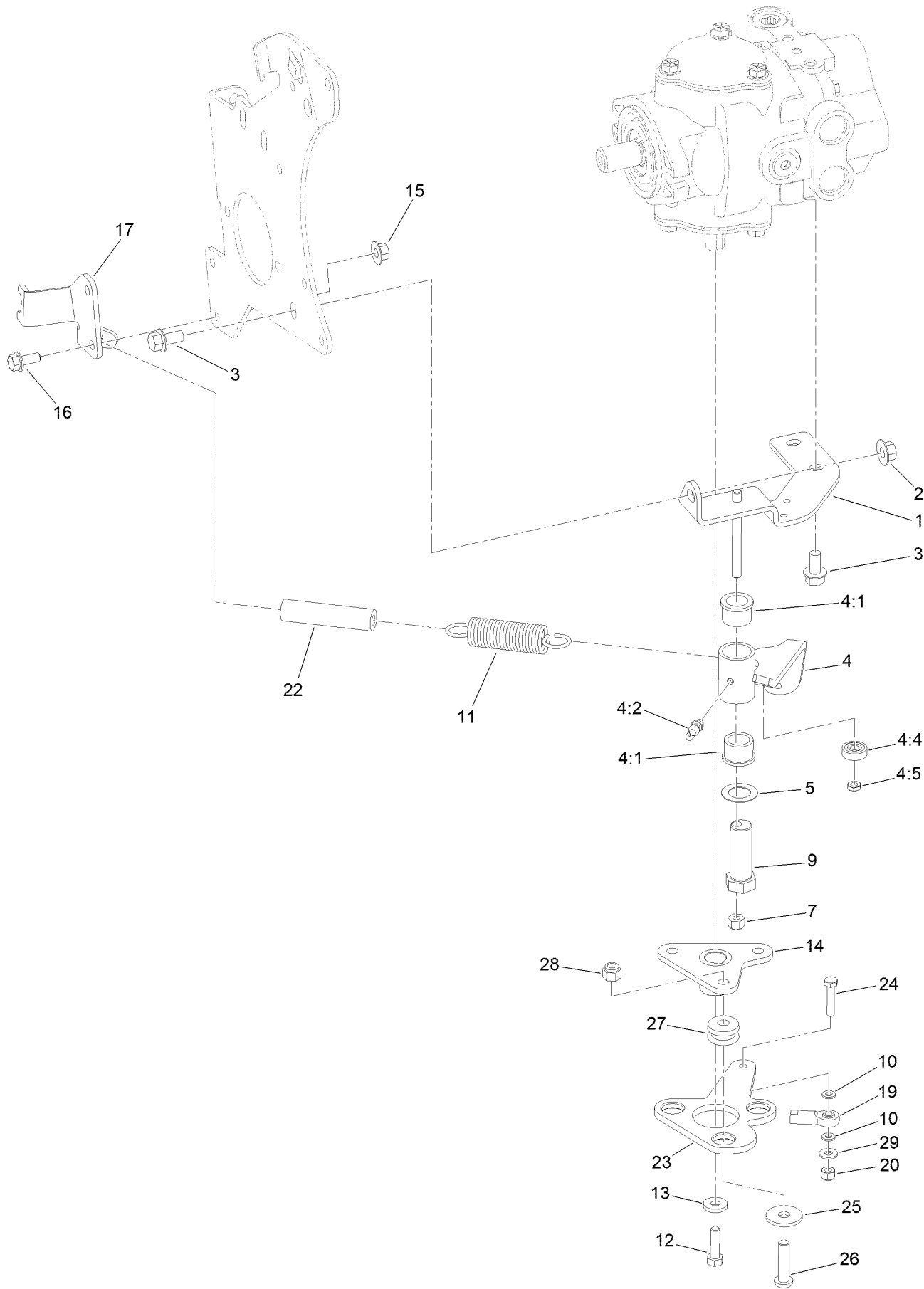
Hydraulic Motor Assembly No. 95-8694 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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 ●

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3:3		1	Seal-Shaft ●
3:4		5	Seal-Ring ●
3:5		1	Seal-Commutator ●
3:6		1	Seal-Dirt And Water ●

● Not serviced separately

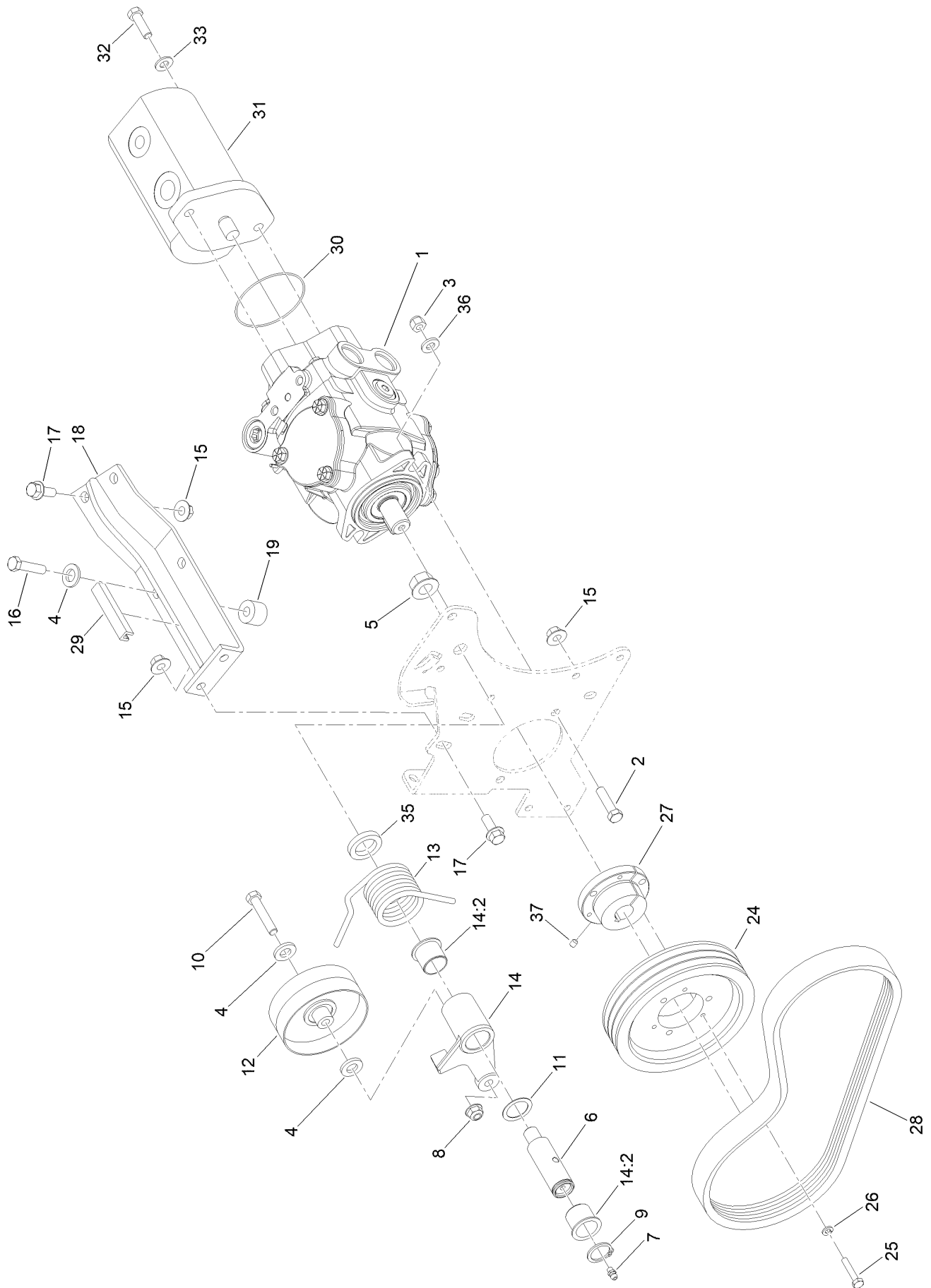
Neutral Arm Assembly



Neutral 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>
1	95-8960-0P	1	Bracket-Neutral	14	120-5566	1	Hub
2	32128-43	1	Nut-Flange	15	32128-44	2	Nut
3	3234-1	3	Screw-HHF	16	3234-5	2	Screw-HHF
4	140-6168	1	Neutral Arm ASM	17	104-0464-03	1	Bracket-Support, Cable
4:1	256-113	2	Bushing-Flange	19	2411-41	1	Rod End-Ball Joint
4:2	302-60	1	Fitting-Grease	20	3296-42	1	Nut-Lock, NI
4:4	251-259	1	Bearing-Ball	22	99-3556	1	Hose
4:5	3296-47	1	Nut-Lock,NI	23	99-3594-0P	1	Lever-Pump
5	3-6498	1	Washer-Thrust	24	321-8	1	Screw-HH
7	3296-29	1	Nut-Lock, NI	25	2844	3	Washer
9	76-8640	1	Stud-Traction	26	95-3857	3	Screw-HSBH
10	33093-00	2	Washer-Flat	27	63-9750	3	Mount
11	145-5262	1	Spring-Extension	28	3296-39	3	Nut-Lock, NI
12	3210-6	1	Screw-HH	29	3256-22	1	Washer-Flat
13	88-7200	1	Washer-Flat				

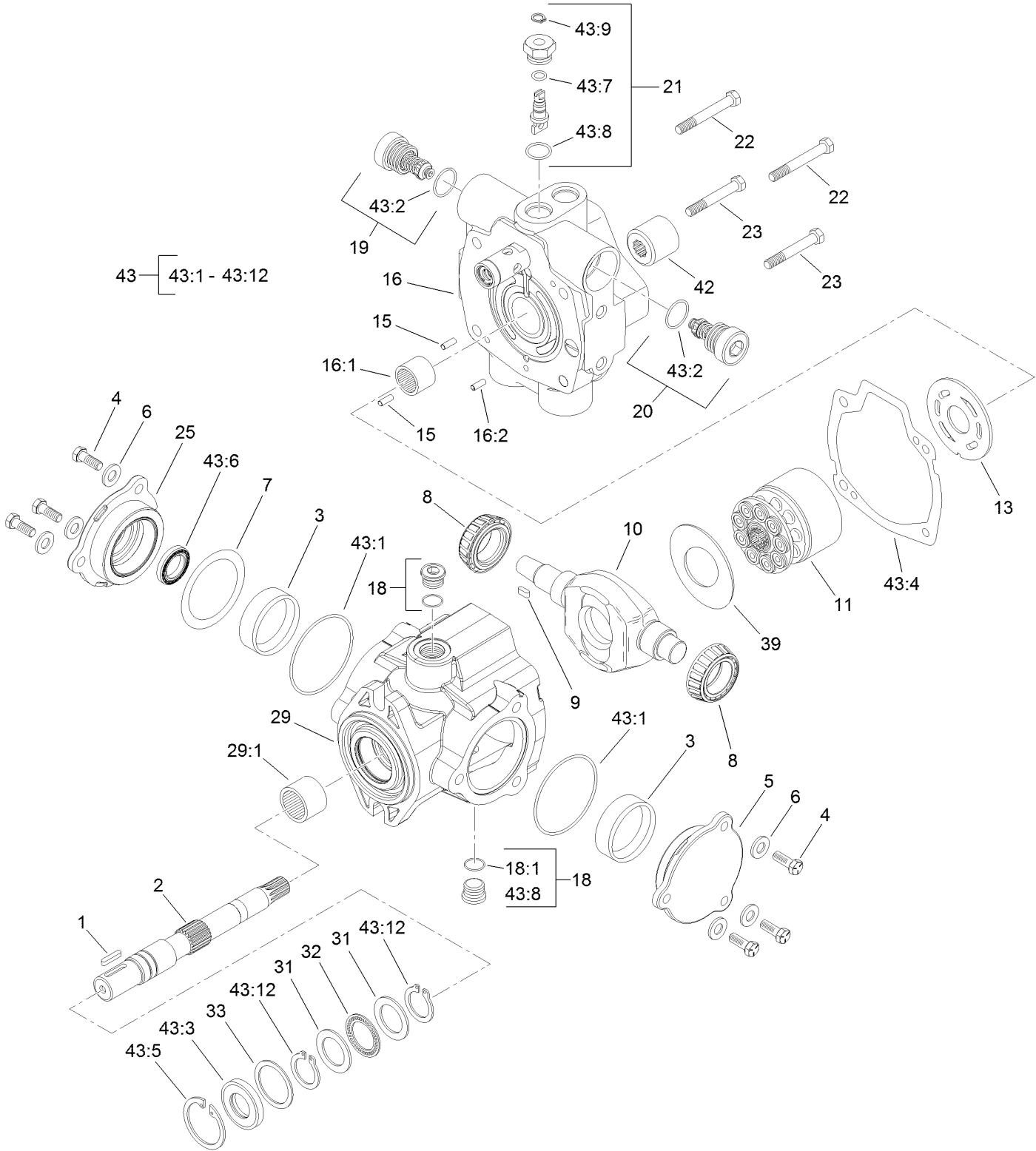
Gear Pump and Piston Pump Assembly



Gear Pump and Piston Pump 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>
1	104-4890	1	Piston Pump ASM	17	3234-11	4	Screw-HHF
2	323-8	2	Screw-HH	18	99-3436-0P	1	Support-Pump
3	3296-39	2	Nut-Lock, NI	19	99-3440	2	Spacer
4	3256-24	4	Washer-Plain	24	120-3350	1	Pulley-3V
5	32128-54	1	Nut-HF	25	321-13	3	Screw-HH
6	99-3624	1	Shaft-Pivot, Idler	26	3253-3	3	Washer-Lock
7	302-5	1	Fitting-Grease	27	100-4813	1	Bushing-Lock, Taper
8	104-8301	1	Nut-HF, NI	28	120-3351	1	Belt-3V
9	32151-36	1	Ring-Retaining	29	70-2041	1	Trim - Edge
10	323-10	1	Screw-HH	30	353-949	1	O-Ring
11	74-1810	1	Washer	31	108-9036	1	HYD Gear Pump ASM
12	139-6031	1	Pulley-Idler	32	323-7	2	Screw-HH
13	115-3488	1	Spring-Torsion	33	3256-24	2	Washer-Plain
14	137-1653	1	Idler Arm ASM	35	99-3625	1	Spacer-Arm, Idler
14:2	126-1963	2	Bushing-Pivot	36	100-4852	2	Washer-Hardened
15	32128-43	4	Nut-Flange	37	3245-7	1	Screw-Set
16	323-19	2	Screw-HH				

Hydraulic Pump Assembly No. 104-4890



Hydraulic Pump Assembly No. 104-4890 (continued)

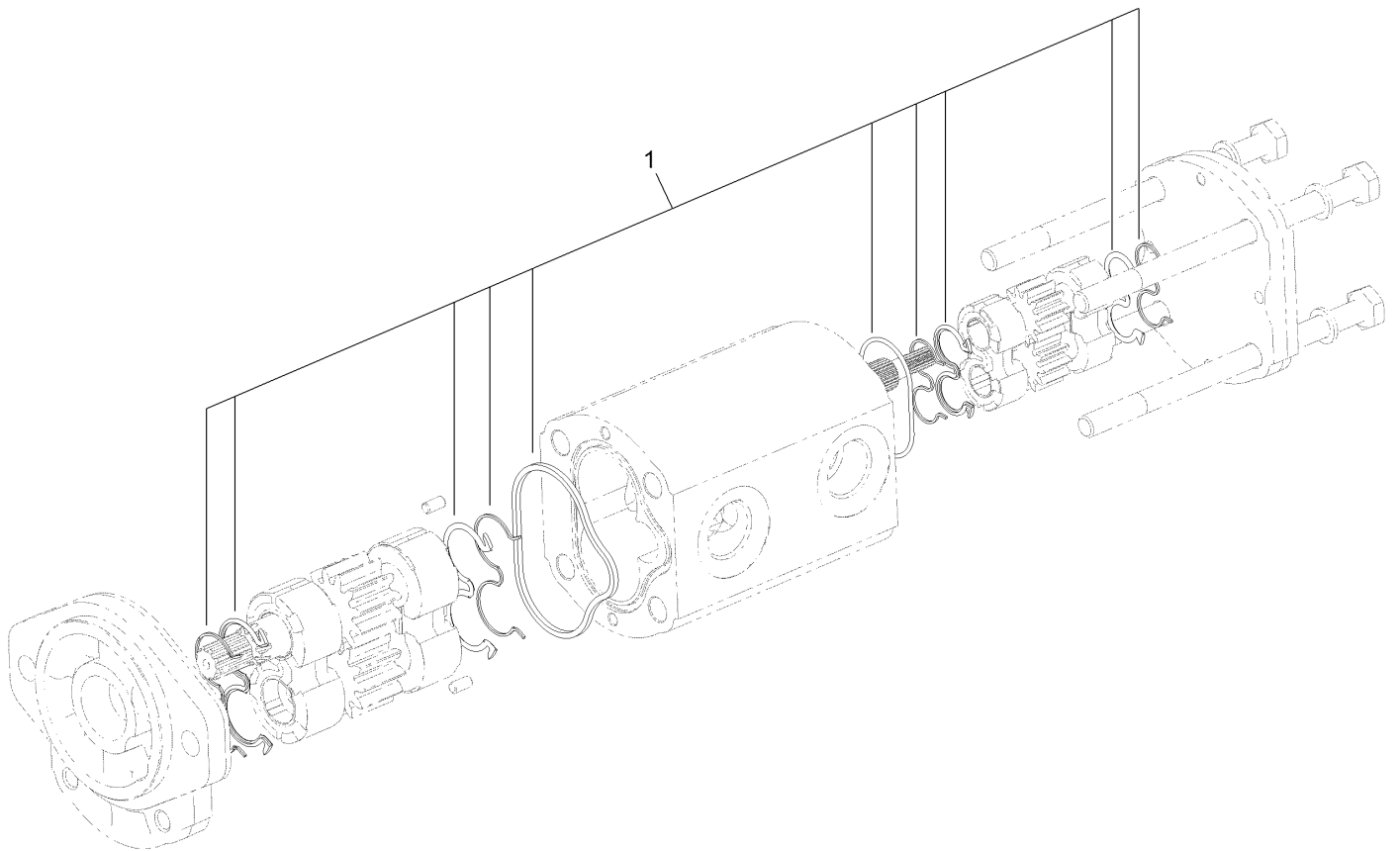
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	94-3645	1	Key
2	94-6359	1	Shaft-Drive
3	104-4046	2	Bearing-Cup
4	98-4640	6	Screw-Cap
5	98-4644	1	Plate-Cover
6	105-9762	6	Washer
7	100-3182	2	Shim Kit
8	98-4639	2	Bearing-Cone
9	94-3646	1	Key
10	104-4888	1	Swashplate
11	76-6070	1	Rotating Kit
13	104-0429	1	Plate-Valve
15	76-6150	2	Pin-Dowel
16	105-3813	1	Endcover Sub ASM
16:1	94-6368	1	Bearing
16:2		1	Pin-Roll ■
18	74-9280	2	Plug ASM
18:1		1	O-Ring ■
19	104-4889	1	Relief Valve ASM
20	105-3812	1	Valve-Check
21	105-3811	1	Valve-Bypass
22	76-6170	2	Capscrew
23	76-6160	2	Capscrew

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
25	98-4645	1	Plate-Cover
29	100-3176	1	Housing ASM
29:1	94-6363	1	Bearing
31	252-71	2	Washer-Thrust
32	252-66	1	Bearing-Thrust
33	33-3720	1	Washer
39	98-4635	1	Insert-Plate, Cam
42	74-9040	1	Coupler
43	120-5754	1	Seal Kit
43:1		2	O-Ring ■
43:2		2	O-Ring ■
43:3		1	Seal-Shaft ■
43:4		1	Gasket ■
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 ■
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

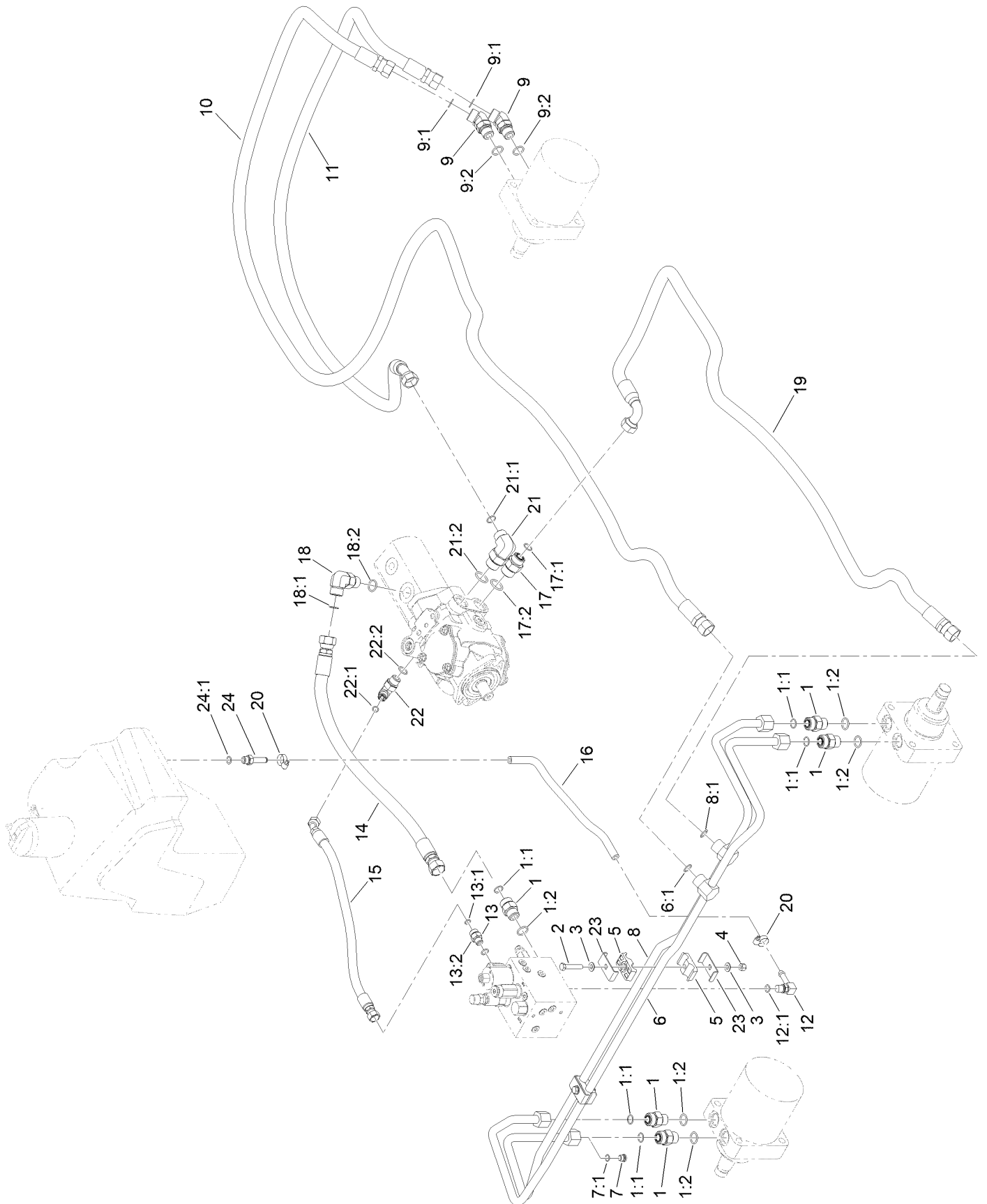
Hydraulic Gear Pump Assembly No. 108-9036



Hydraulic Gear Pump Assembly No. 108-9036 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-8755	1	Seal Kit

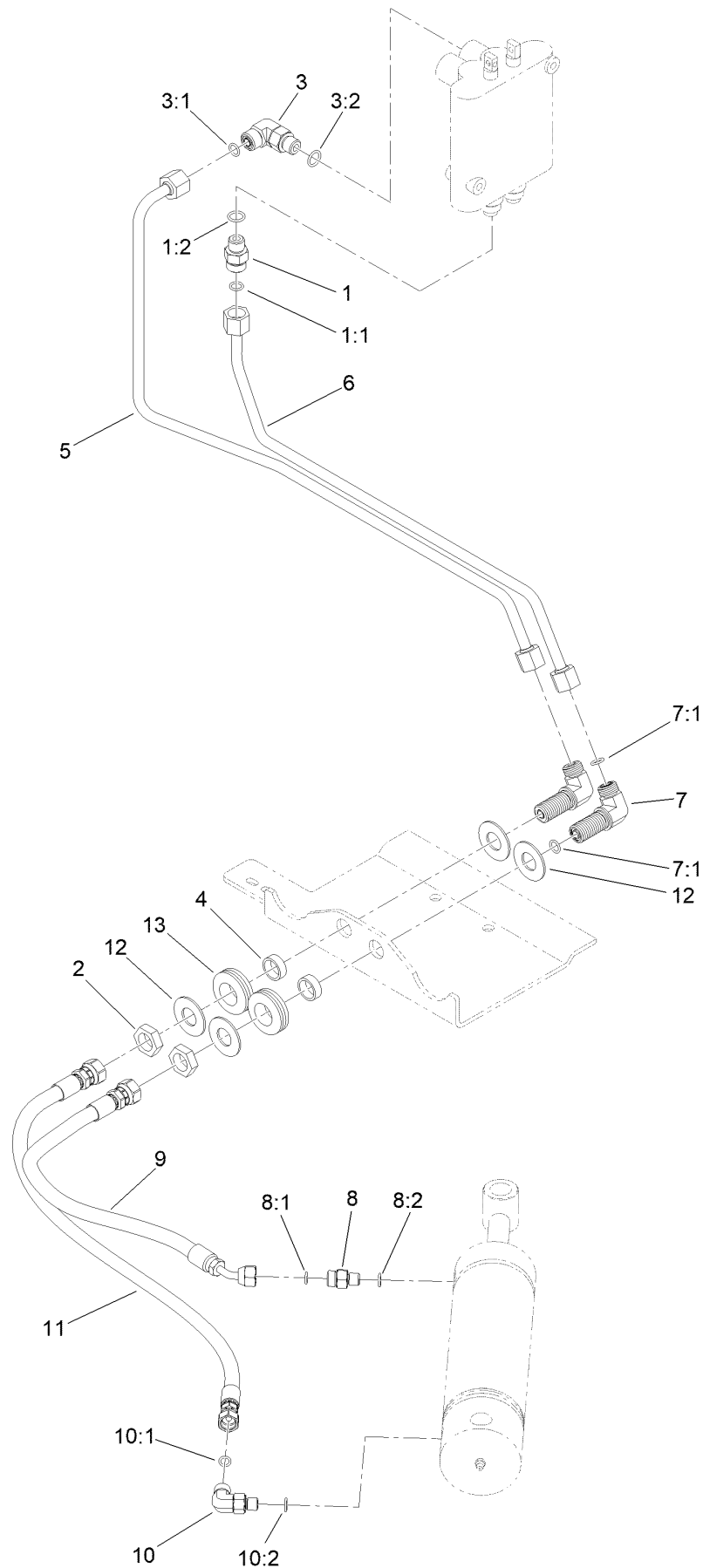
Traction Hydraulic Assembly



Traction Hydraulic 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>
1	340-7	5	Fitting-Straight	13:2	237-42	1	O-Ring
1:1	237-65	1	O-Ring	14	104-0488	1	Hose-HYD
1:2	237-80	1	O-Ring	15	92-7595	1	Hose-HYD
2	322-9	2	Screw-HH	16	80-7342	1	Hose-HYD
3	3256-23	4	Washer-Plain	17	340-8	1	Fitting-Straight
4	3296-29	2	Nut-Lock, NI	17:1	237-65	1	O-Ring
5	56-7971	4	Clamp-Tube	17:2	237-81	1	O-Ring
6	95-8783	1	Tube ASM	18	340-17	1	Fitting-Elbow, 90 DEG
6:1	237-65	1	O-Ring	18:1	237-65	1	O-Ring
7	353-990	1	Plug ASM	18:2	237-80	1	O-Ring
7:1	237-78	1	O-Ring	19	105-1214	1	Hose-HYD
8	95-8784	1	Tube ASM	20	2412-36	2	Clamp-Hose
8:1	237-65	1	O-Ring	21	340-139	1	Fitting-Elbow 90
9	340-14	2	Fitting-HYD, 45 DEG	21:1	237-81	1	O-Ring
9:1	237-65	1	O-Ring	21:2	237-65	1	O-Ring
9:2	237-80	1	O-Ring	22	340-18	1	Fitting-HYD, 90 DEG
10	105-1213	1	Hose-HYD	22:1	237-79	1	O-Ring
11	105-1212	1	Hose-HYD	22:2	237-22	1	O-Ring
12	100-4887	1	Fitting-Elbow, 90	23	119-1419	4	Plate-Clamp
12:1	237-42	1	O-Ring	24	353-979	1	Fitting-STR
13	340-2	1	Fitting-Straight	24:1	237-42	1	O-Ring
13:1	237-22	1	O-Ring				

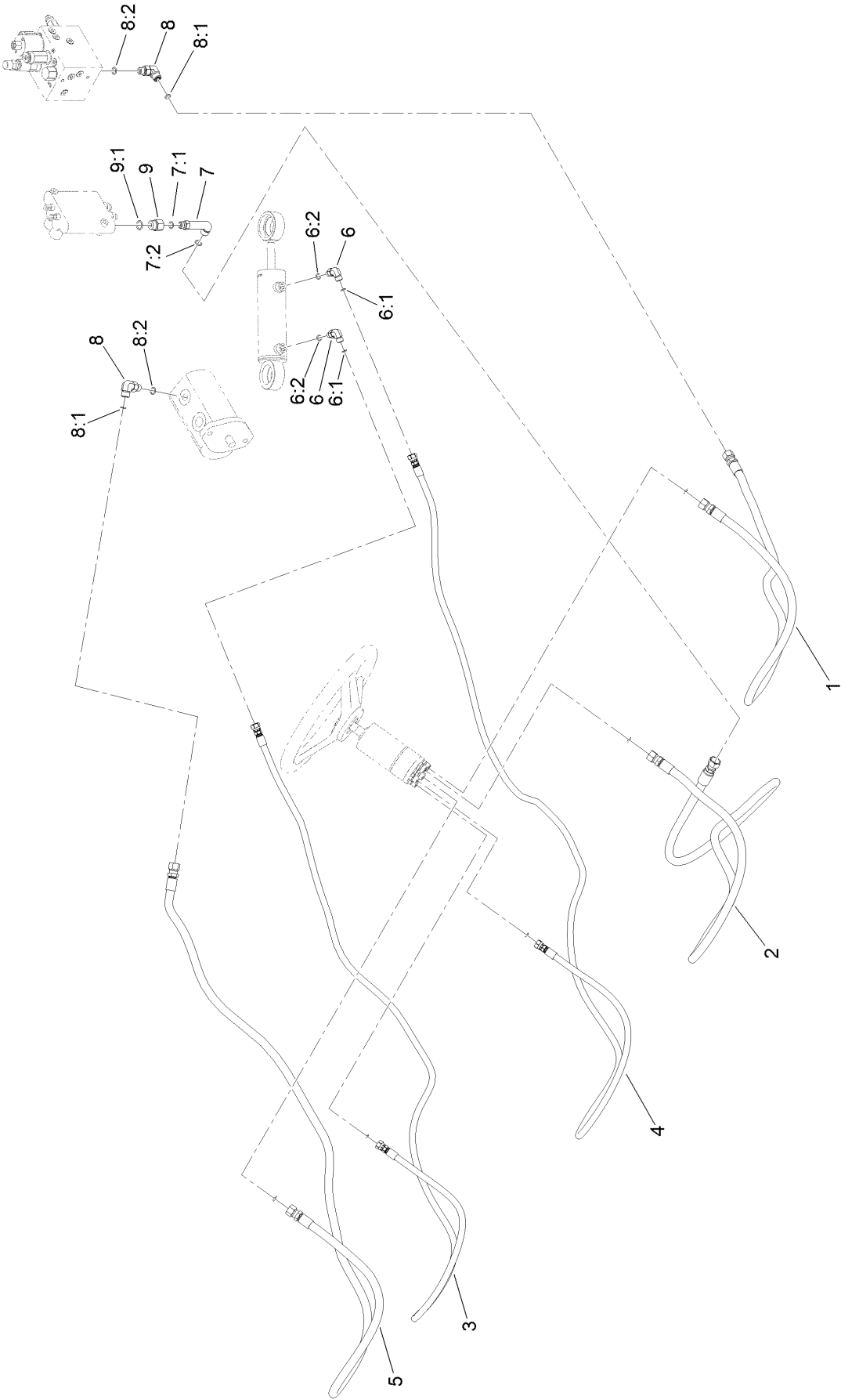
Scissor Hydraulic Assembly



Scissor Hydraulic 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>
1	340-2	1	Fitting-Straight	7:1	237-22	2	O-Ring
1:1	237-22	1	O-Ring	8	85-9720	1	Fitting-STR, Orifice
1:2	237-42	1	O-Ring	8:1	237-78	1	O-Ring
2	340-70	2	Nut-Lock	8:2	237-21	1	O-Ring
3	340-77	1	Fitting-Elbow, 90 DEG	9	95-8838	1	Hose-HYD
3:1	237-22	1	O-Ring	10	340-132	1	Fitting-Elbow, 90 DEG
3:2	237-42	1	O-Ring	10:1	237-78	1	O-Ring
4	69-8970	2	Spacer	10:2	237-21	1	O-Ring
5	95-8790	1	Tube-HYD	11	95-8839	1	Hose-HYD
6	95-8791	1	Tube-HYD	12	69-8940	4	Washer
7	340-154	2	Union-Bulkhead	13	240-4	2	Grommet-Rubber

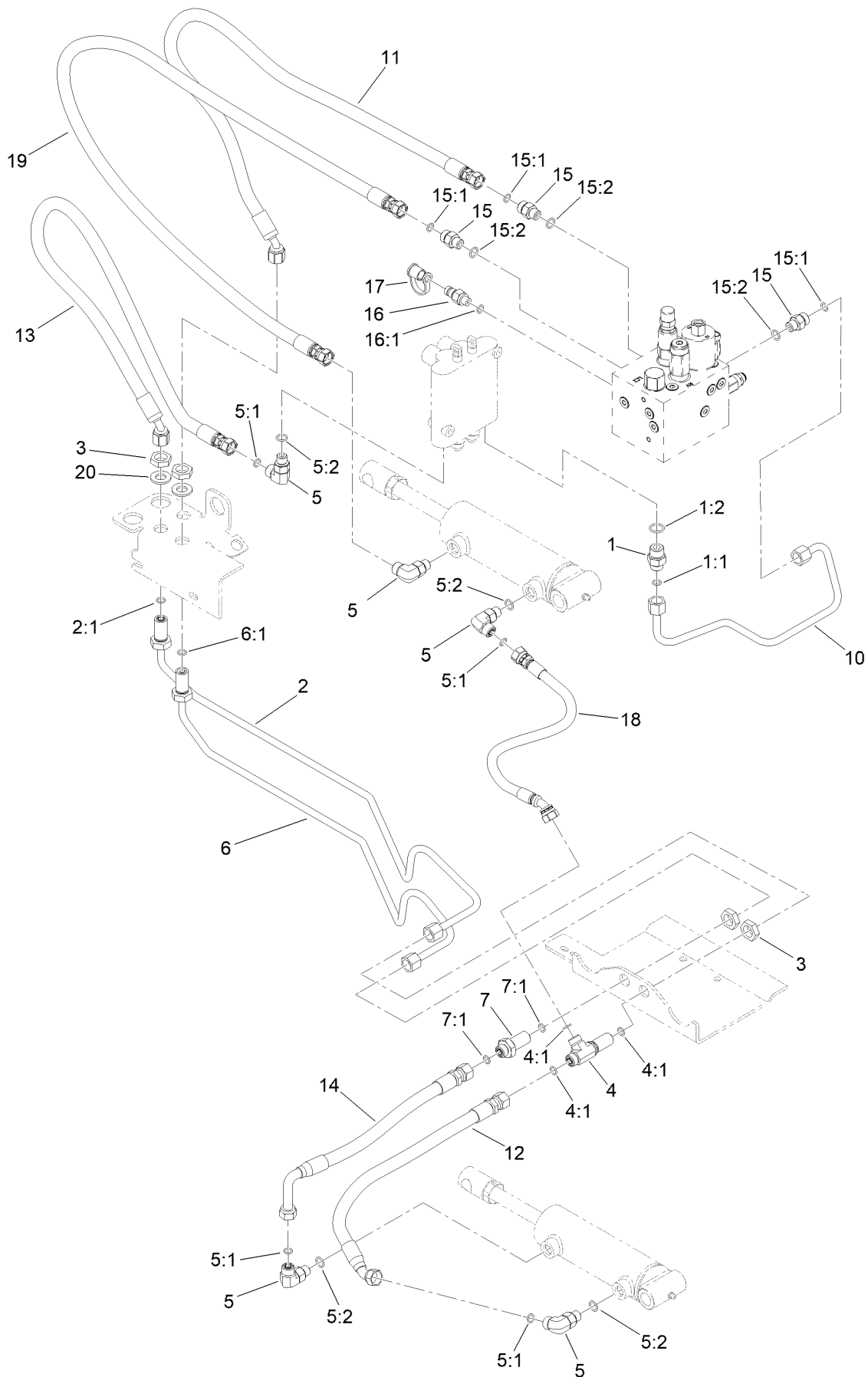
Steering Hydraulic Assembly



Steering Hydraulic 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>
1	95-8842	1	Hose-HYD	7	69-4320	1	Fitting-HYD, 90 DEG
2	95-8843	1	Hose-HYD	7:1	237-22	1	O-Ring
3	100-4892	1	Hose-HYD	7:2	237-42	1	O-Ring
4	100-4893	1	Hose-HYD	8	340-77	2	Fitting-Elbow, 90 DEG
5	95-8846	1	Hose-HYD	8:1	237-22	1	O-Ring
6	340-132	2	Fitting-Elbow, 90 DEG	8:2	237-42	1	O-Ring
6:1	237-78	1	O-Ring	9	353-397	1	Reducer-Adapter
6:2	237-21	1	O-Ring	9:1	237-79	1	O-Ring

Sidewinder Hydraulic Assembly

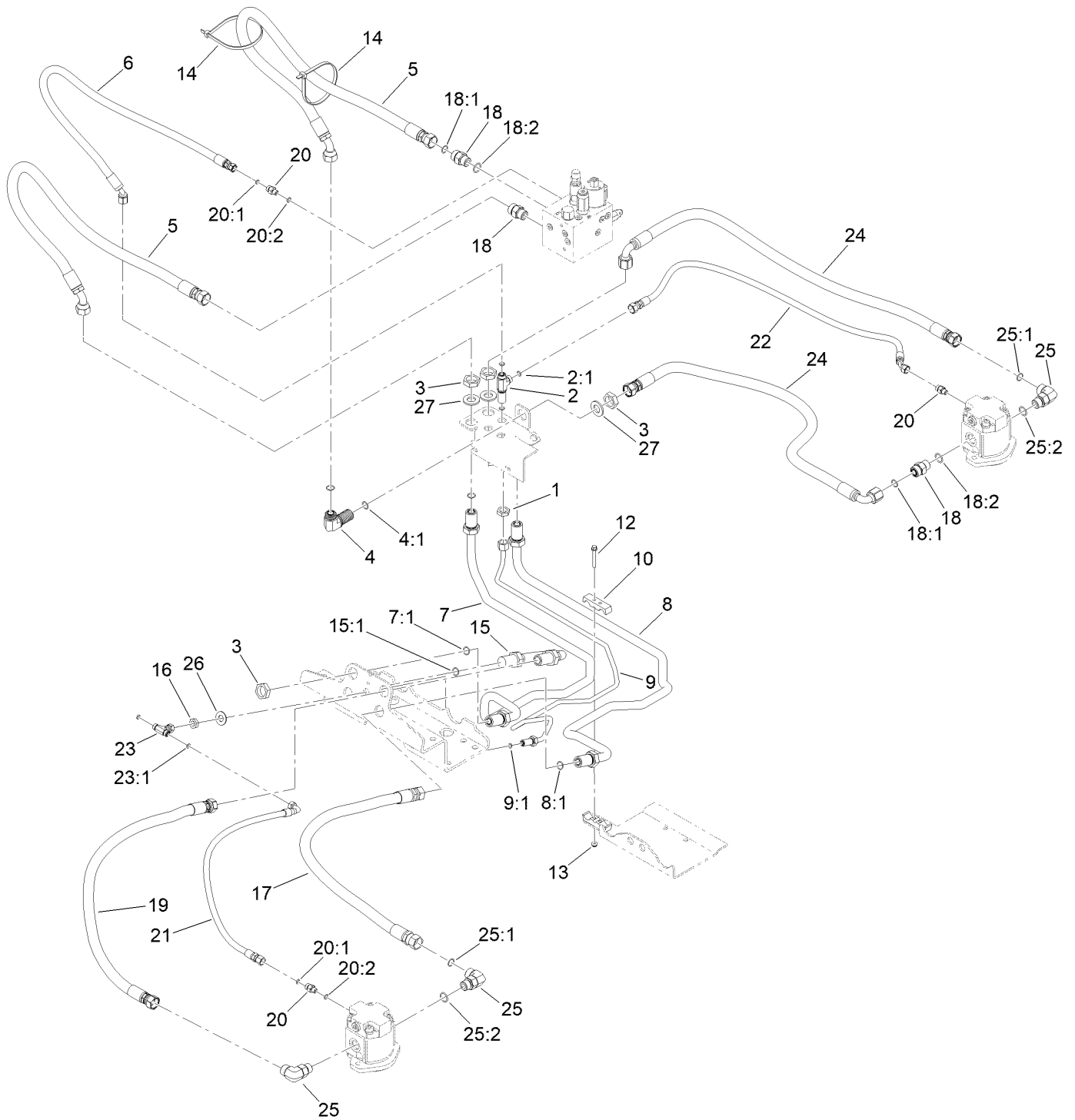


Sidewinder Hydraulic Assembly (continued)

<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>
1	340-3	1	Fitting-Straight	10	145-5283	1	Hydraulic Tube ASM
1:1	237-22	1	O-Ring	11	95-8822	1	Hose-HYD
1:2	237-79	1	O-Ring	12	104-0405	1	Hose-HYD
2	104-0402	1	Tube-HYD	13	95-8822	1	Hose-HYD
2:1	237-22	1	O-Ring	14	104-0406	1	Hose-HYD
3	340-70	4	Nut-Lock	15	340-2	3	Fitting-Straight
4	340-68	1	Fitting-Tee, Bulkhead	15:1	237-22	1	O-Ring
4:1	237-22	3	O-Ring	15:2	237-42	1	O-Ring
5	340-77	5	Fitting-Elbow, 90 DEG	16	354-77	1	Fitting-Quick
5:1	237-22	1	O-Ring	16:1	237-78	1	O-Ring ●
5:2	237-42	1	O-Ring	17	354-79	1	Cap-Dust
6	104-0403	1	Tube ASM	18	104-0407	1	Hose-HYD
6:1	237-22	1	O-Ring	19	100-4891	1	Hose-HYD
7	340-71	1	Fitting-Straight, Bulkhead	20	1278	2	Washer
7:1	237-22	2	O-Ring				

● Not illustrated

Hydraulic Mow Circuit Plumbing Assembly

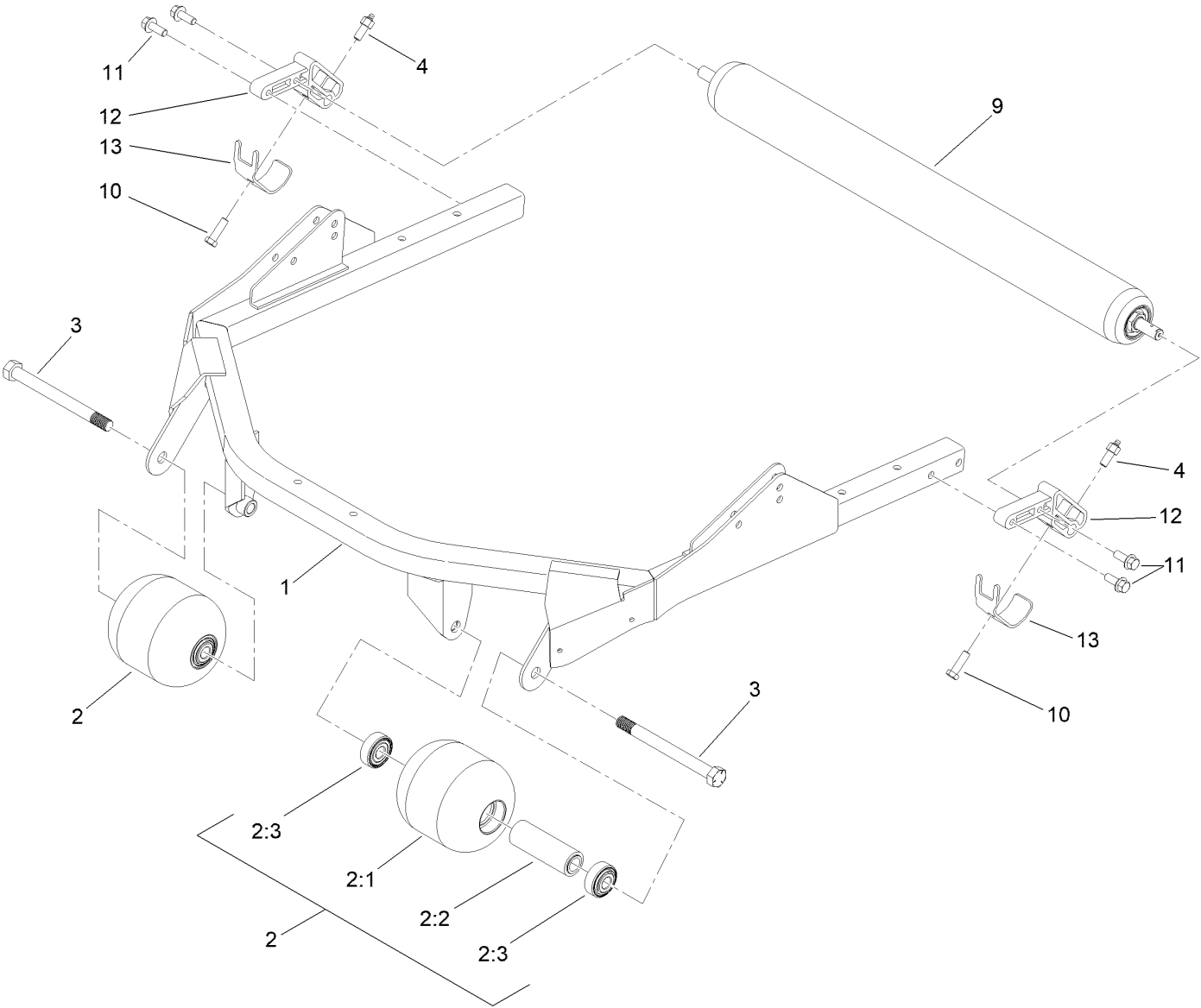


Hydraulic Mow Circuit Plumbing Assembly (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	340-70	1	Nut-Lock
2	340-68	1	Fitting-Tee, Bulkhead
2:1	237-22	3	O-Ring
3	340-74	7	Nut-Lock, Bulkhead
4	340-72	1	Fitting-Bulkhead, 90 DEG
4:1	237-65	2	O-Ring
5	100-4879	2	Hose-HYD
6	115-3411	1	Hose-HYD
7	104-0401	1	Tube ASM
7:1	237-65	2	O-Ring
8	104-0400	1	Tube ASM
8:1	237-65	2	O-Ring
9	104-0404	1	Tube ASM
9:1	237-21	1	O-Ring
10	99-3641	2	Clamp-Tube
12	3234-34	2	Screw-HHF
13	104-7201	2	Nut-HF, NI
14	3334-945	2	Tie-Cable
15	99-3640	1	Tube ASM
15:1	237-65	2	O-Ring

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
16	340-78	1	Nut-Lock
17	105-1216	2	Hose-HYD
18	340-7	3	Fitting-Straight
18:1	237-65	1	O-Ring
18:2	237-80	1	O-Ring
19	105-1215	2	Hose-HYD
20	340-92	4	Fitting-Straight
20:1	237-78	1	O-Ring
20:2	237-21	1	O-Ring
21	104-1080	2	Hose-HYD
22	100-4876	1	Hose-HYD
23	99-3477	1	Fitting-Tee
23:1	237-21	2	O-Ring
24	100-4880	2	Hose-HYD
25	340-17	5	Fitting-Elbow, 90 DEG
25:1	237-65	1	O-Ring
25:2	237-80	1	O-Ring
26	69-8980	1	Washer
27	69-9010	3	Washer

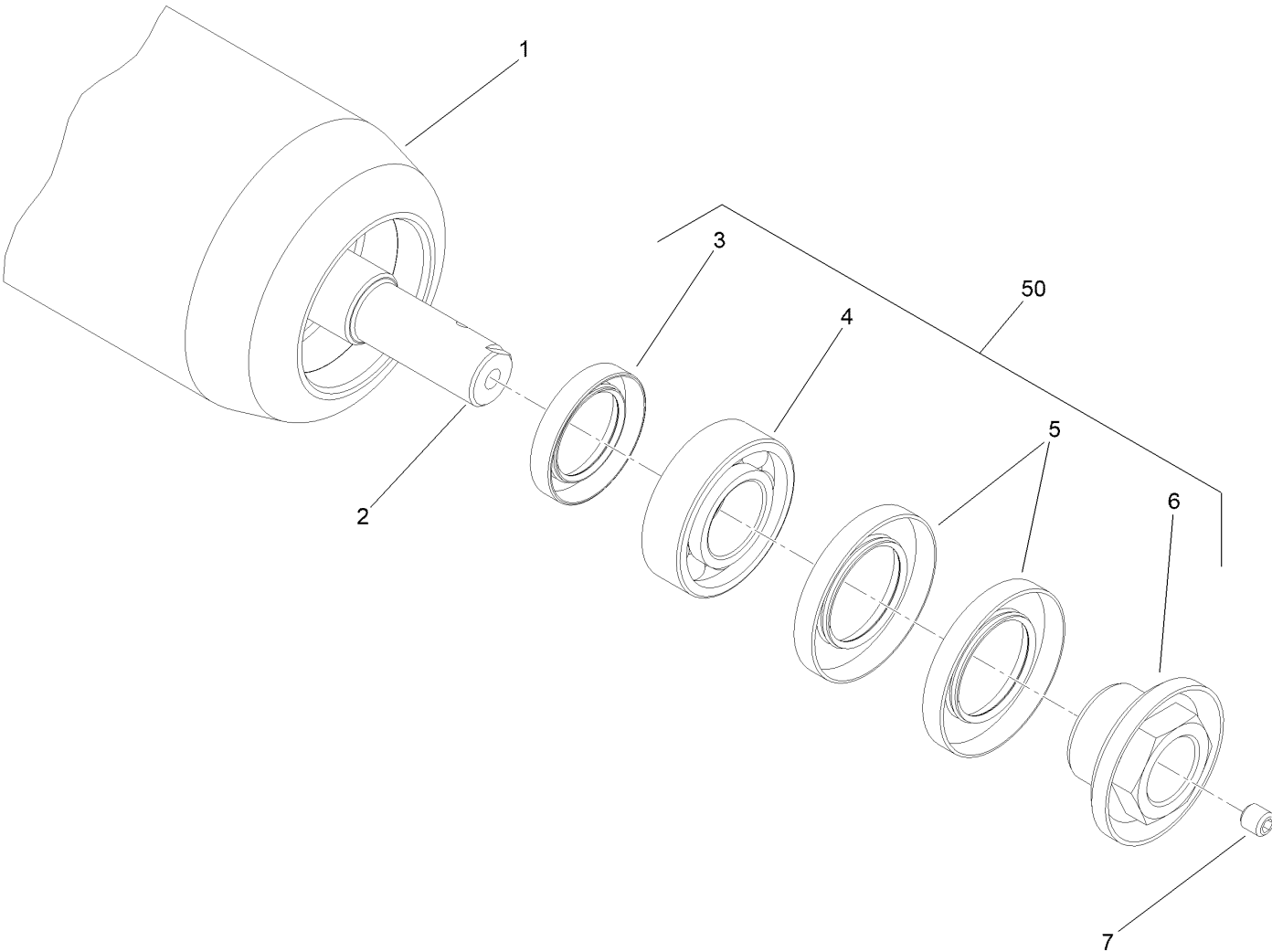
Roller and Carrier Frame Assembly



Roller and Carrier Frame 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>
1	100-5780-03	1	Frame-Deck	4	127-6422	2	Screw-Grease, Roller
2	136-2908	2	Roller ASM	9	137-6141	1	Rear Roller ASM
2:1	104-1093	1	Roller	10	323-7	2	Screw-HH
2:2	100-5762	1	Spacer-Bearing	11	3234-11	4	Screw-HHF
2:3	120-3366	2	Bearing	12	112-5268	2	Mount-Roller
3	136-2924	2	Screw-HH	13	107-7816	2	Bracket-Skid

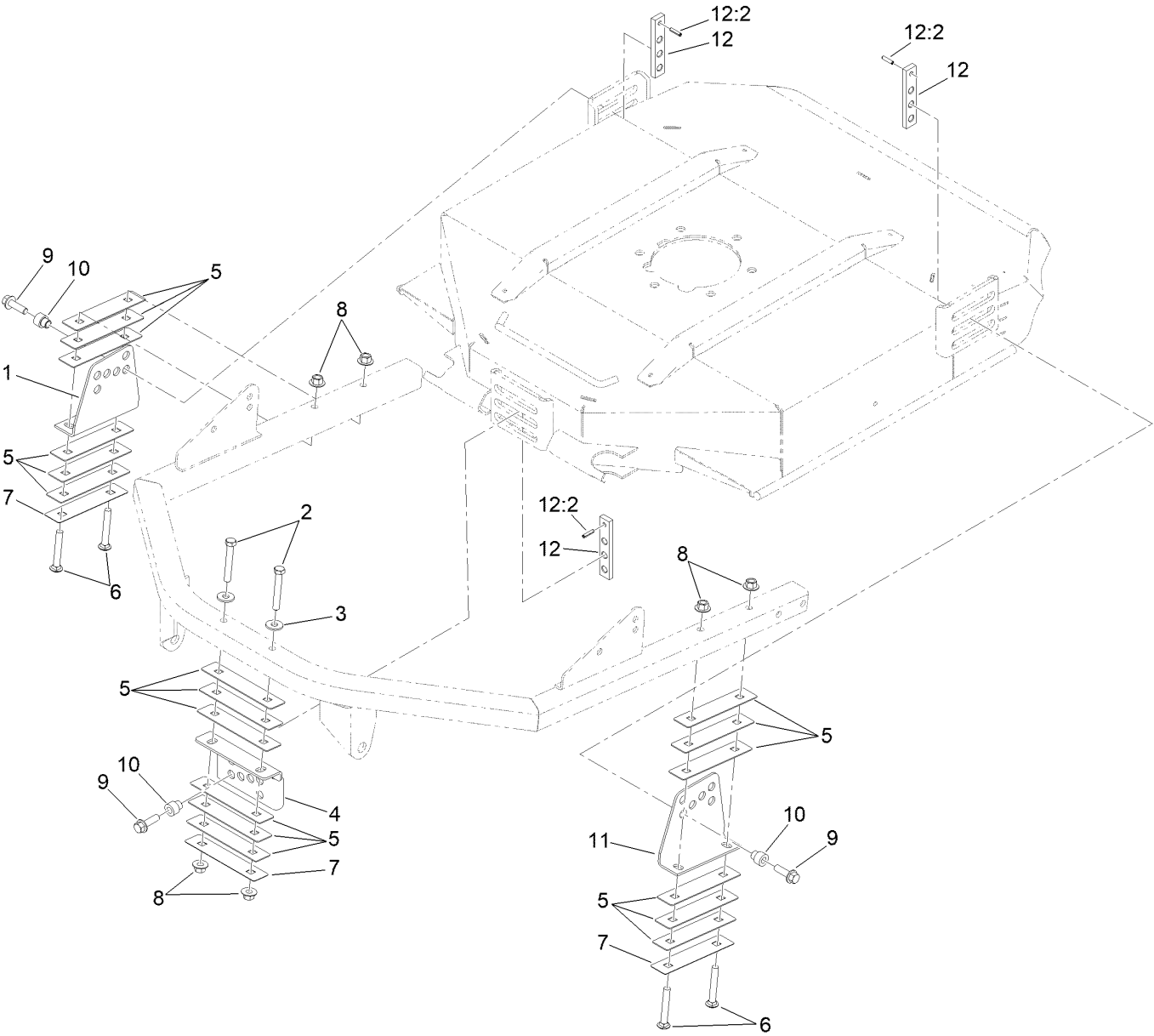
Rear Roller Assembly No. 137-6141



Rear Roller Assembly No. 137-6141 (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>
1	137-6140	1	Tube-Roller	5	112-7494	4	Seal
2	117-5100	1	Shaft-Roller, Rear	6	114-5411	2	Nut-Lock, Bearing
3	114-3717	2	Seal-Oil	7	108-0989	2	Screw-Set
4	112-5290	2	Bearing-Steel, Stainless	50	114-5430	1	Roller Rebuild Kit

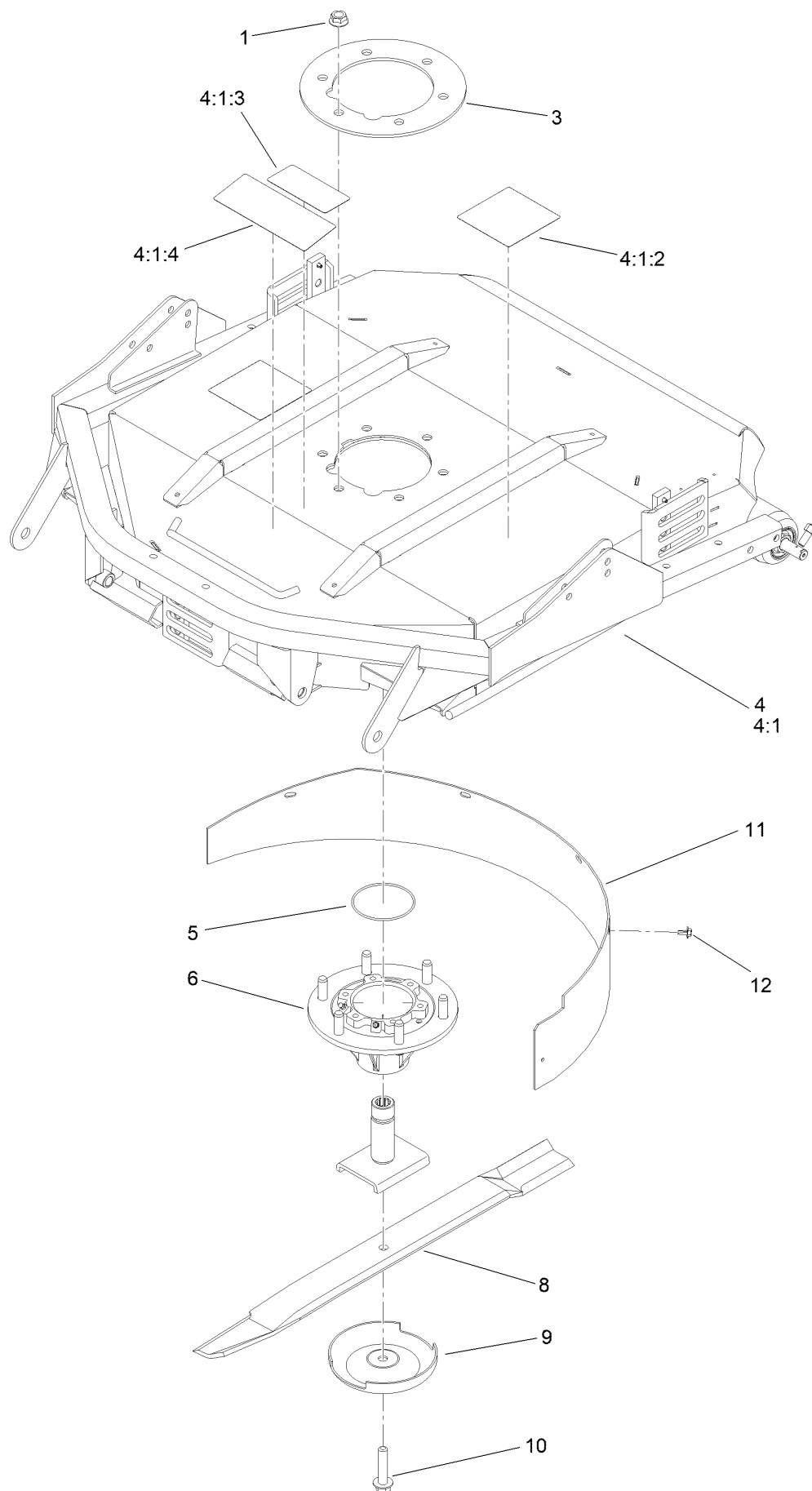
Height-of-Cut Bracket Assembly



Height-of-Cut Bracket 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>
1	100-5797-03	1	Bracket-HOC, RH	8	32128-43	6	Nut-Flange
2	323-12	2	Screw-HH	9	3234-24	3	Screw-HHF
3	80-6990	2	Washer-Hardened	10	121-3575	3	Spacer-HOC
4	104-1052-03	1	Bracket-HOC, Front	11	104-4624-03	1	Bracket-HOC, LH
5	100-5799	18	Shim-HOC, .060 Inch	12	136-2921	3	HOC Plate ASM
6	3231-9	4	Screw-CARR	12:2	32121-2	1	Pin-Roll, Slotted
7	104-4641	3	Shim-HOC, .030 Inch				

Chamber, Blade and Spindle Assembly

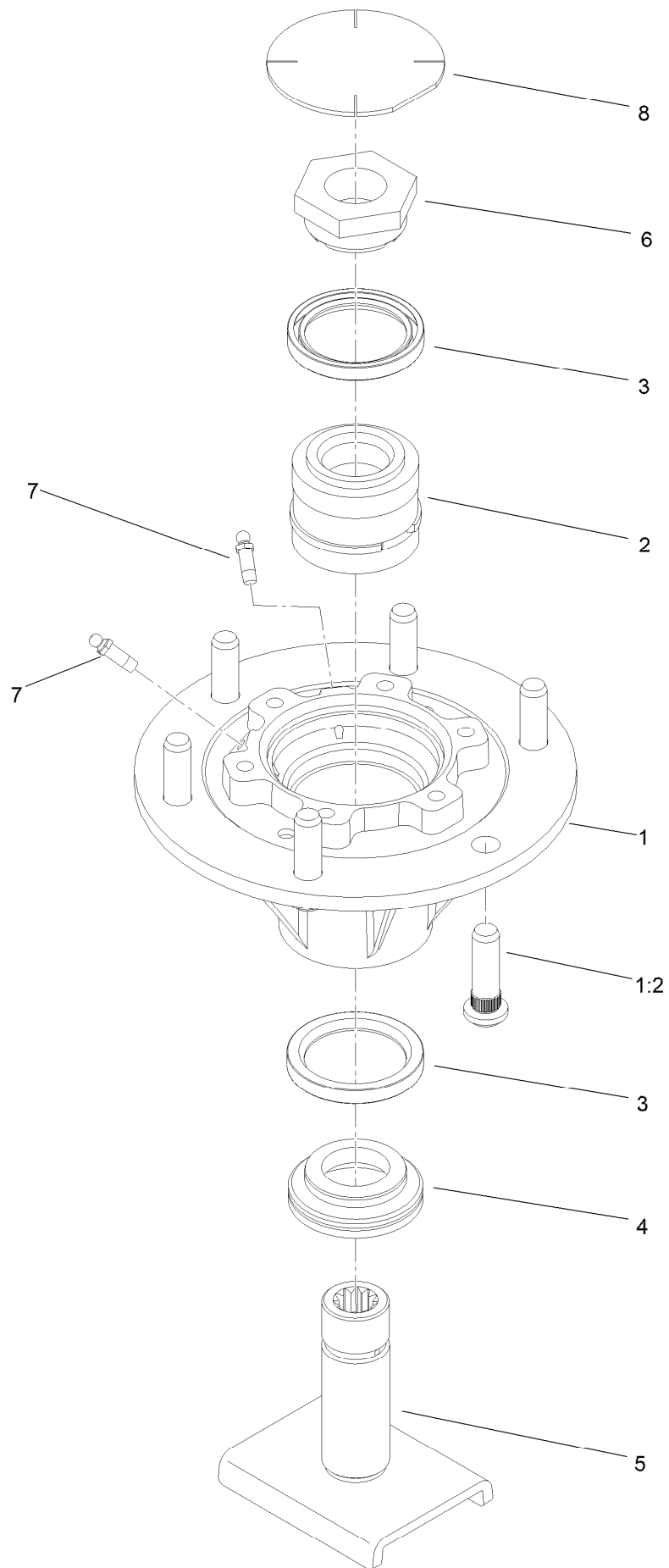


Chamber, Blade and Spindle Assembly (continued)

<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>
1	32128-39	6	Nut-HHF	6	121-3666	1	Spindle ASM
3	104-1051-03	1	Plate-Spindle	8	107-0235-03	1	Blade-Atomic
4	127-6389	1	Deck Chamber Service ASM	8	108-9026	1	Blade-27", Combo
4:1		1	Chamber ASM ●	9	72-9361	1	Cup-Scalp, Anti
4:1:2	117-4764	2	Decal-Danger	10	92-5816	1	Bolt-Blade
4:1:3	93-7818	1	Decal-Torque, Blade Bolt	11	108-9025-01	1	Baffle-Mulching
4:1:4	121-3627	1	Decal-Height Of Cut	12	46-8560	5	Screw-HHFTF
5	237-161	1	O-Ring				

● Not serviced separately

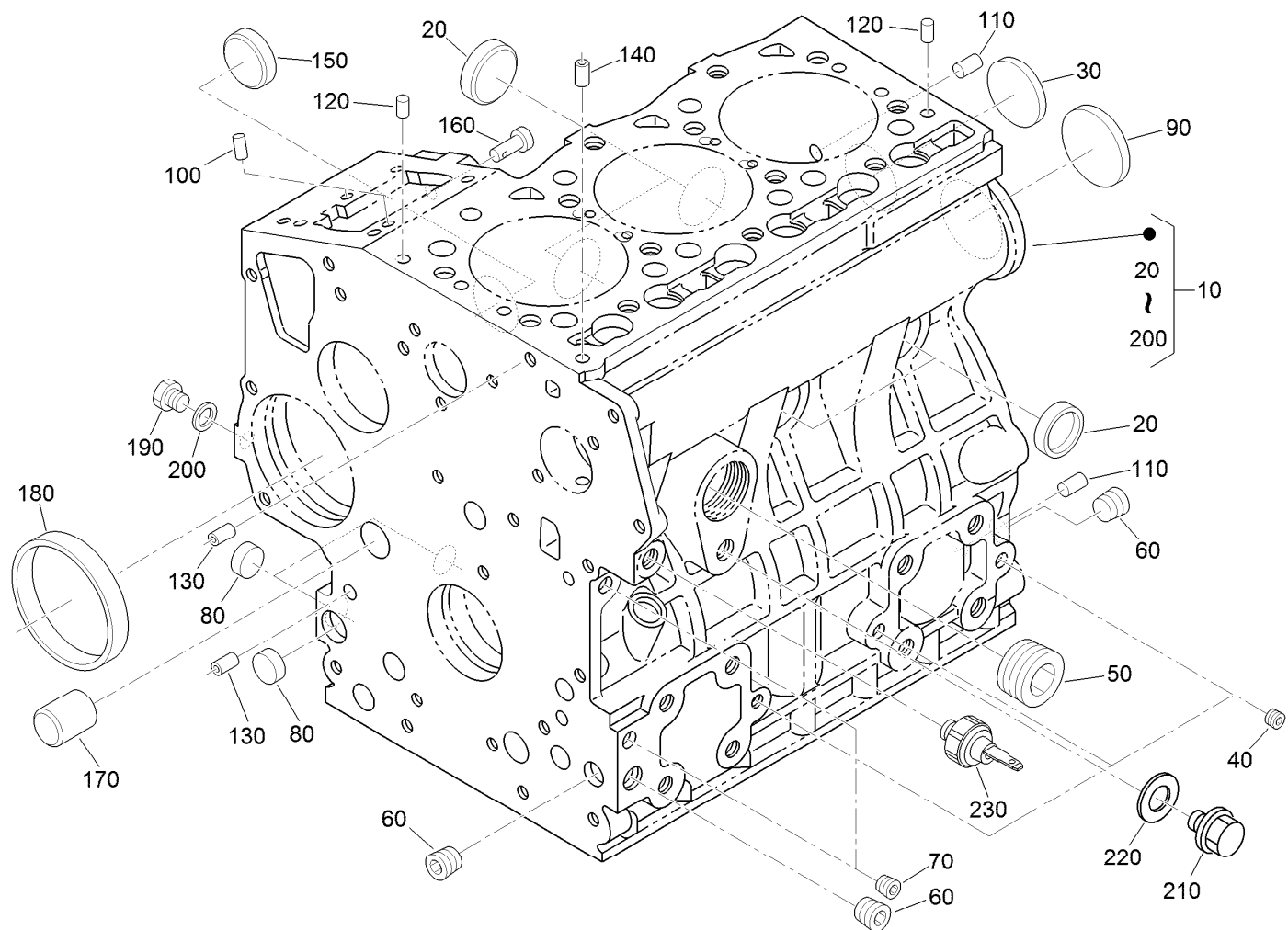
Spindle Assembly No. 121-3666



Spindle Assembly No. 121-3666 (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	115-3434	1	Spindle
1:2	10-6830	6	Stud-Type, Drive
2	100-5703	1	Spacer And Bearing ASM
3	253-154	2	Seal-Oil
4	138-6416	1	Spacer-Spindle, Shaft

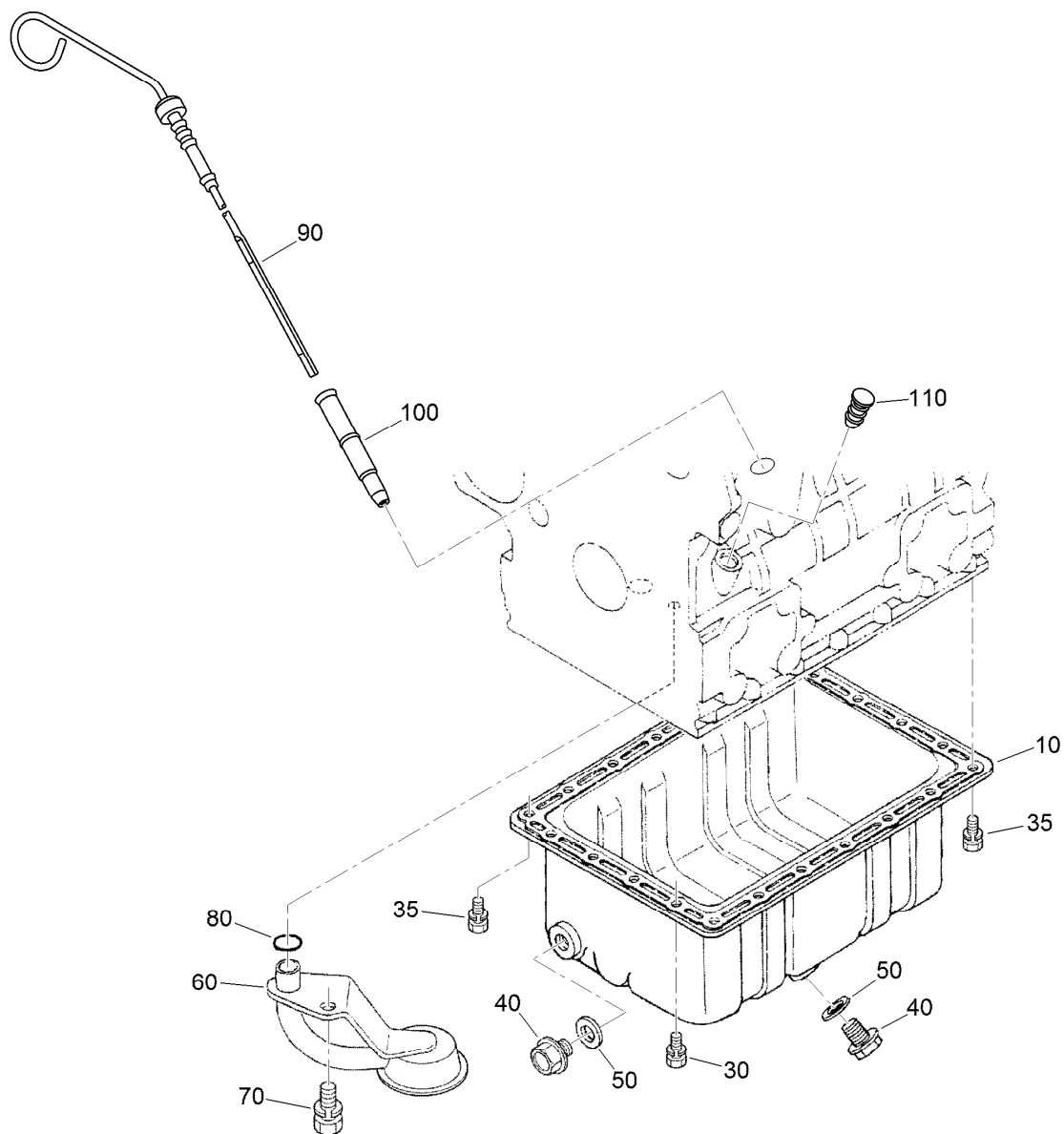
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
5	121-3664	1	Spindle Shaft ASM
6	100-5709	1	Nut-Spindle, Spcl
7	302-62	2	Fitting-Grease
8	94-2703	1	Plug



Crankcase Assembly

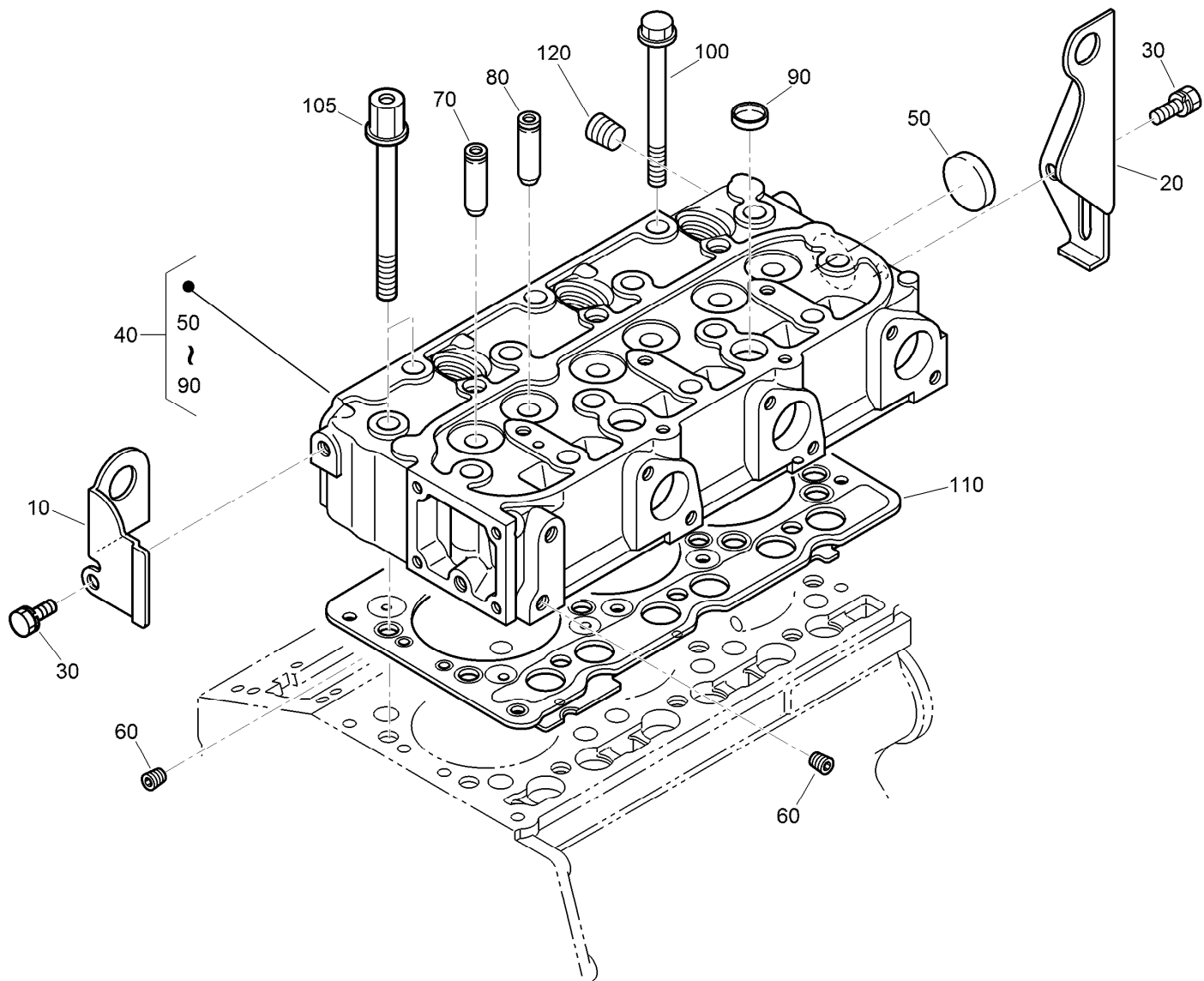
Ref.	Part Number	Qty.	Description
10	115-3443	1	Crankcase ASM
20	98-9398	4	Cap-Sealing
30	98-7539	1	Cap-Sealing
40	98-9687	3	Plug
50	105-3779	1	Plug
60	98-9597	3	Plug
70	98-7487	2	Plug
80	98-9379	3	Plug-Expansion
90	98-9668	1	Plug-Expansion
100	98-9375	2	Pin-Straight
110	98-9377	2	Pin-Straight
120	98-9376	2	Pin-Straight

Ref.	Part Number	Qty.	Description
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	120-2559	1	Plug
200	98-7428	1	Gasket
210	99-3447	1	Plug
220	112-8325	1	Washer
230	98-9416	1	Switch-Oil



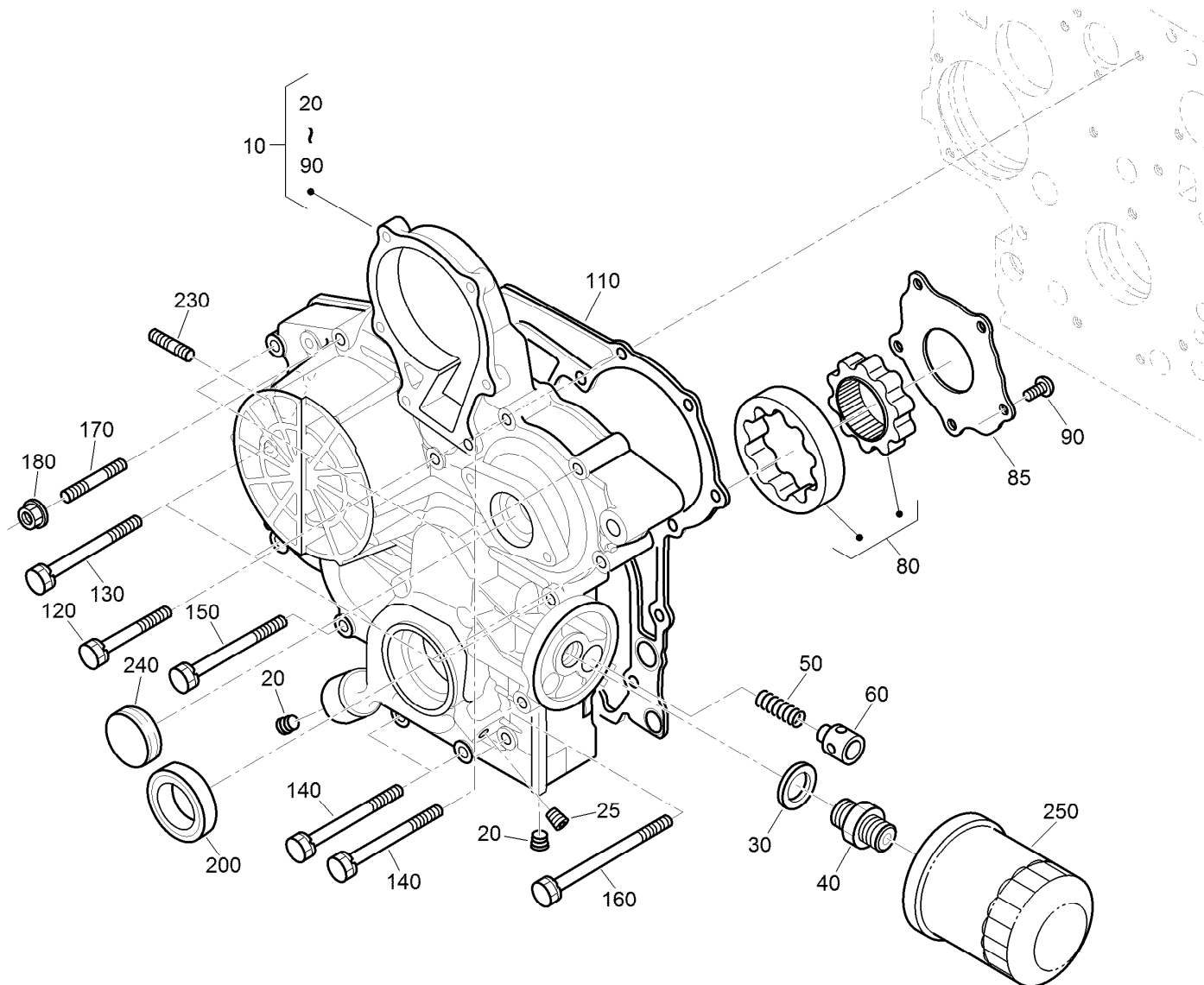
Oil Pan and Dipstick Assembly

Ref.	Part Number	Qty.	Description
10	98-9685	1	Pan-Oil
30	98-9351	20	Bolt
35	98-9351	2	Bolt
40	114-8151	2	Plug-Drain
50	98-7524	2	Gasket
60	108-1401	1	Base-Filter
70	98-7526	1	Bolt
80	105-3776	1	O-Ring
90	104-9348	1	Gauge-Oil
100	105-4580	1	Guide-Gauge, Oil
110	110-3720	1	Plug-Gauge, Oil



Cylinder Head Assembly

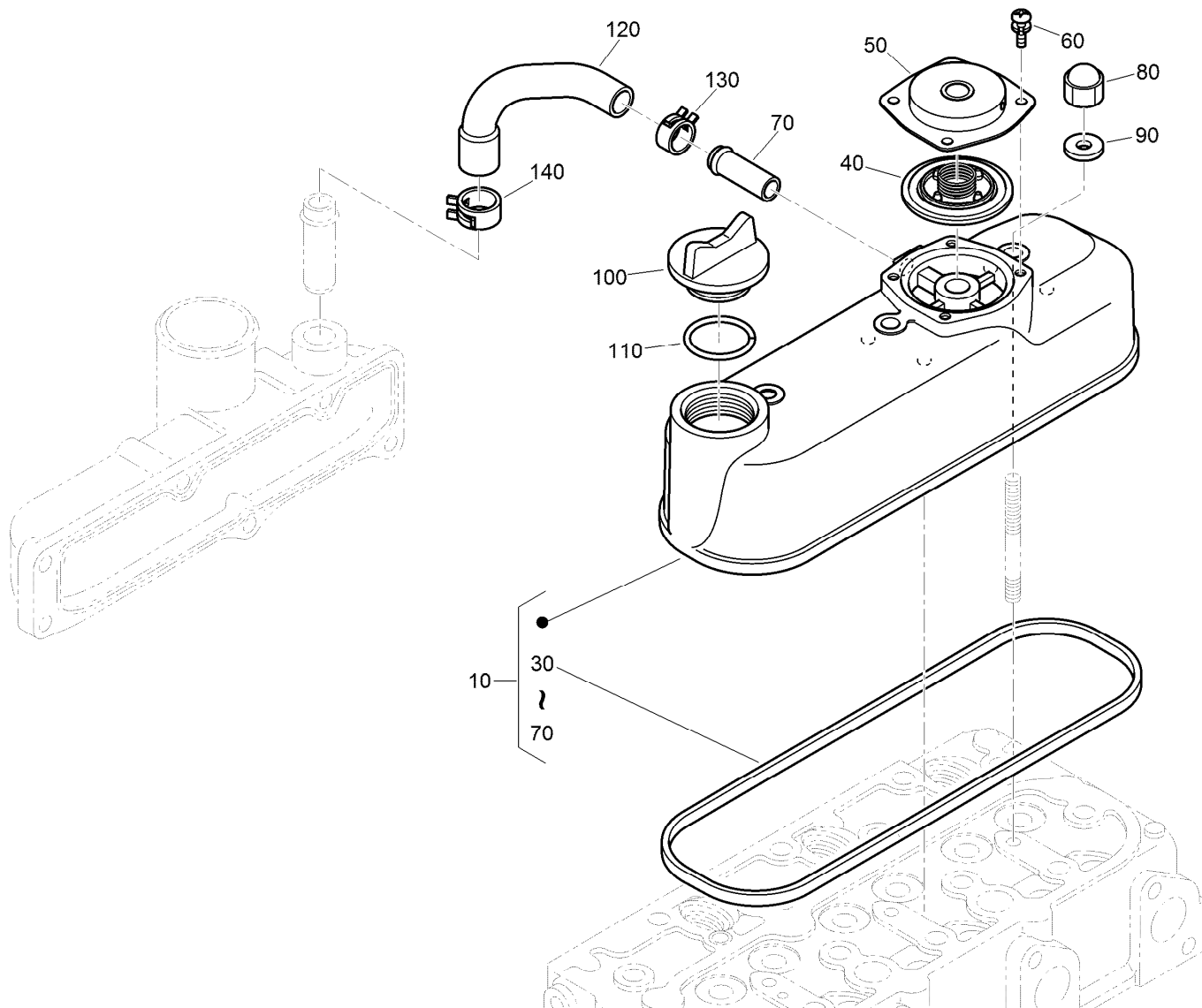
Ref.	Part Number	Qty.	Description
10	130-1231	1	Hook-Engine
20	98-9478	1	Hook-Engine
30	100-9195	2	Bolt
40	130-1544	1	Cylinder Head ASM
50	105-3705	1	Cap-Sealing
60	98-9687	2	Plug
70	107-9066	3	Guide-Valve, Inlet
80	107-9067	3	Guide-Valve, Exhaust
90	98-9389	2	Cap-Sealing
100	98-9479	12	Bolt-Head, Cylinder
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

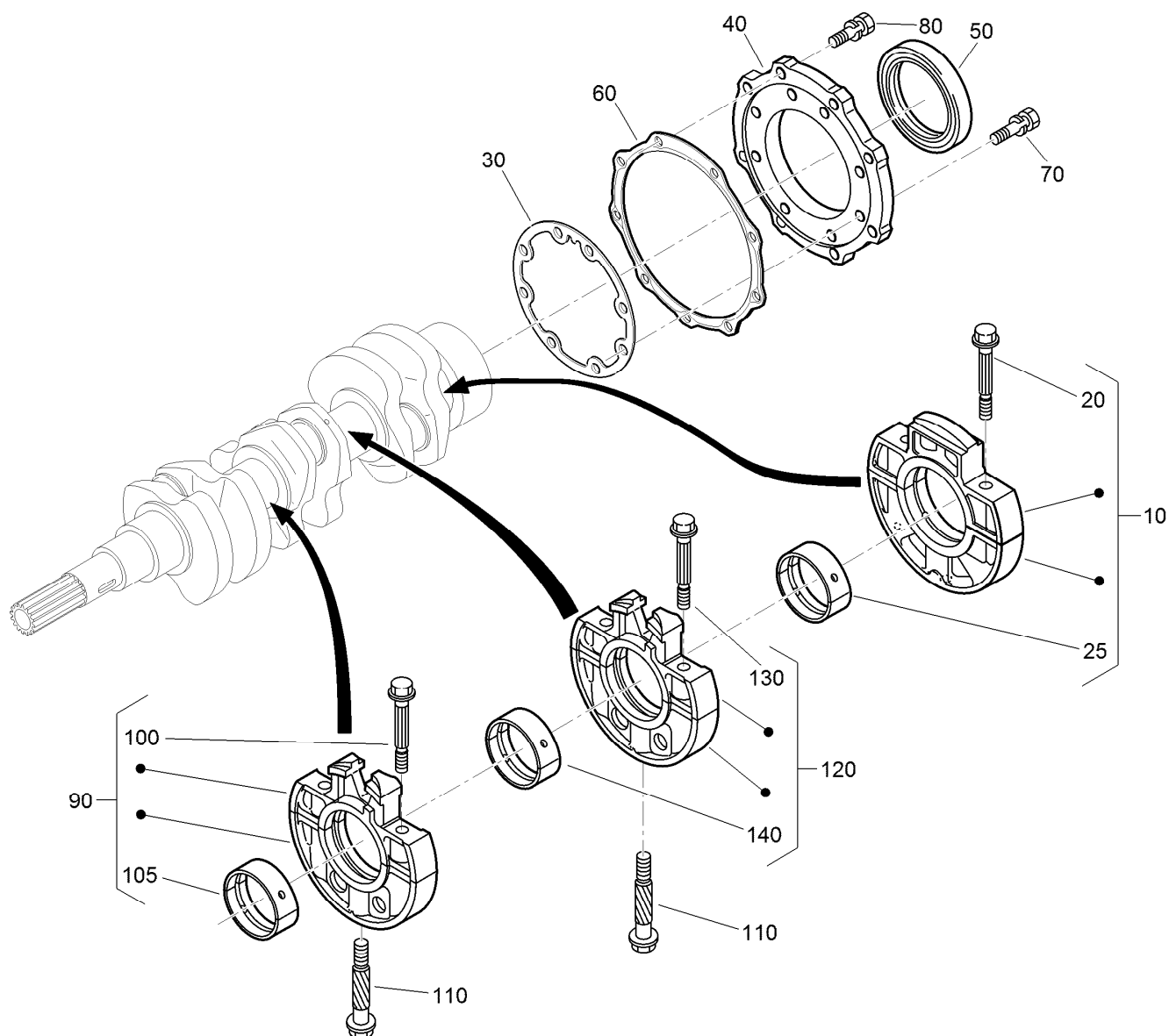
Ref.	Part Number	Qty.	Description
10	115-4105	1	Gear Case ASM
20	127-0425	2	Plug
25	98-7487	1	Plug
30	98-7562	1	Washer-Plain
40	98-9388	1	Joint-Pipe
50	130-1511	1	Spring
60	130-1510	1	Valve-Relief
80	130-1508	1	Rotor ASM
85	130-1509	1	Cover-Pump, Oil
90	130-1164	5	Screw-Binding
110	98-9633	1	Gasket-Case, Gear

Ref.	Part Number	Qty.	Description
120	100-1765	3	Bolt
130	125-9063	4	Bolt-Sems
140	98-9356	4	Bolt
150	107-9074	1	Bolt
160	99-3510	1	Bolt
170	105-3709	1	Stud
180	100-2203	1	Nut-Flange
200	119-8038	1	Seal-Oil
230	105-3710	2	Stud
240	99-3515	1	Plug-Gearcase
250	108-3841	1	Filter-Oil



Cylinder Head Cover Assembly

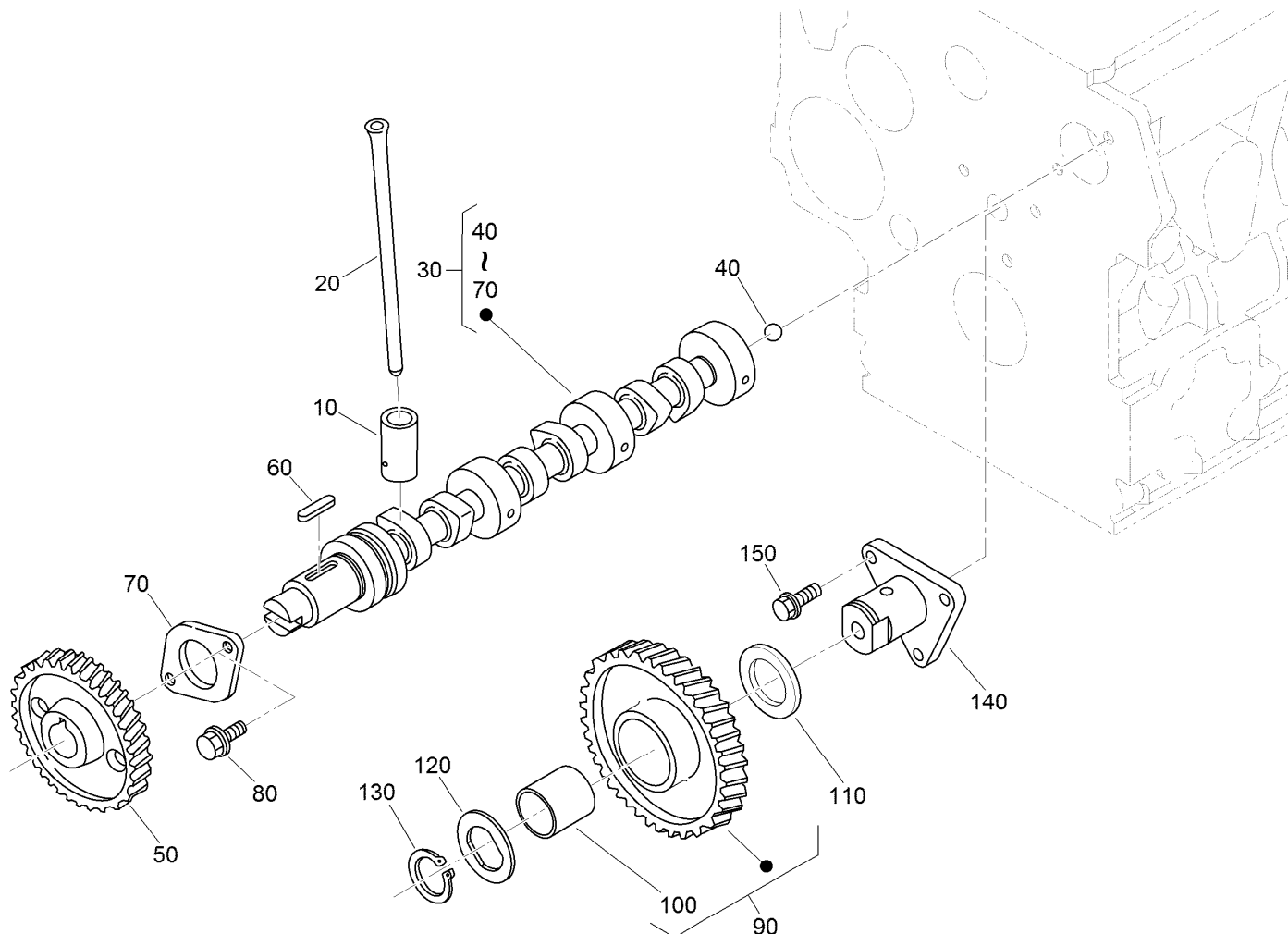
Ref.	Part Number	Qty.	Description
10	139-4544	1	Cylinder Cover ASM
30	98-9615	1	Gasket-Cover, Head
40	110-3715	1	Valve-Breather
50	110-3714	1	Cover-Breather
60	98-9364	4	Screw (With Washer)
70	98-7766	1	Pipe-Return, Water
80	98-9455	3	Nut-Cap
90	98-9454	3	Gasket
100	107-9075	1	Plug-Filler, Oil
110	131-3834	1	O Ring
120	139-4545	1	Tube-Breather
130	108-2859	1	Clamp-Hose
140	108-2860	1	Clamp-Hose



Main Bearing Case Assembly

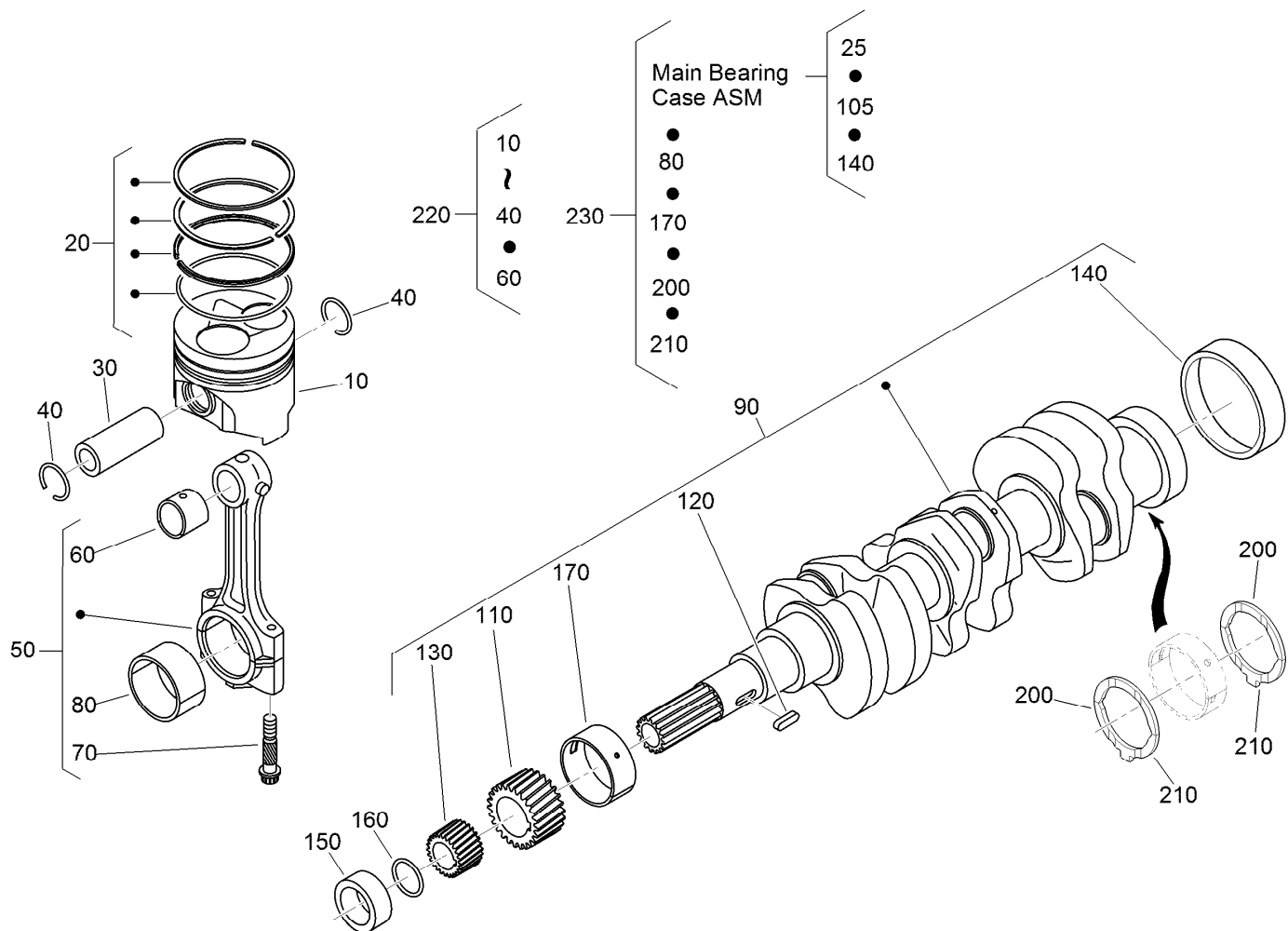
Ref.	Part Number	Qty.	Description
10	139-4546	1	Bearing Case ASM
20	98-9484	2	Bolt-Case, Bearing
25	115-4121	1	Metal-Crankshaft (STD)
25	112-7039	1	Metal-Crankshaft (0.2Mm)
25	112-7040	1	Metal-Crankshaft (-0.4Mm)
30	131-6554	1	Gasket-Case, Bearing
40	112-7046	1	Cover-Case, Bearing
50	112-0180	1	Seal-Oil
60	112-7037	1	Gasket-Cover, Case
70	127-0441	8	Bolt
80	140-2467	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

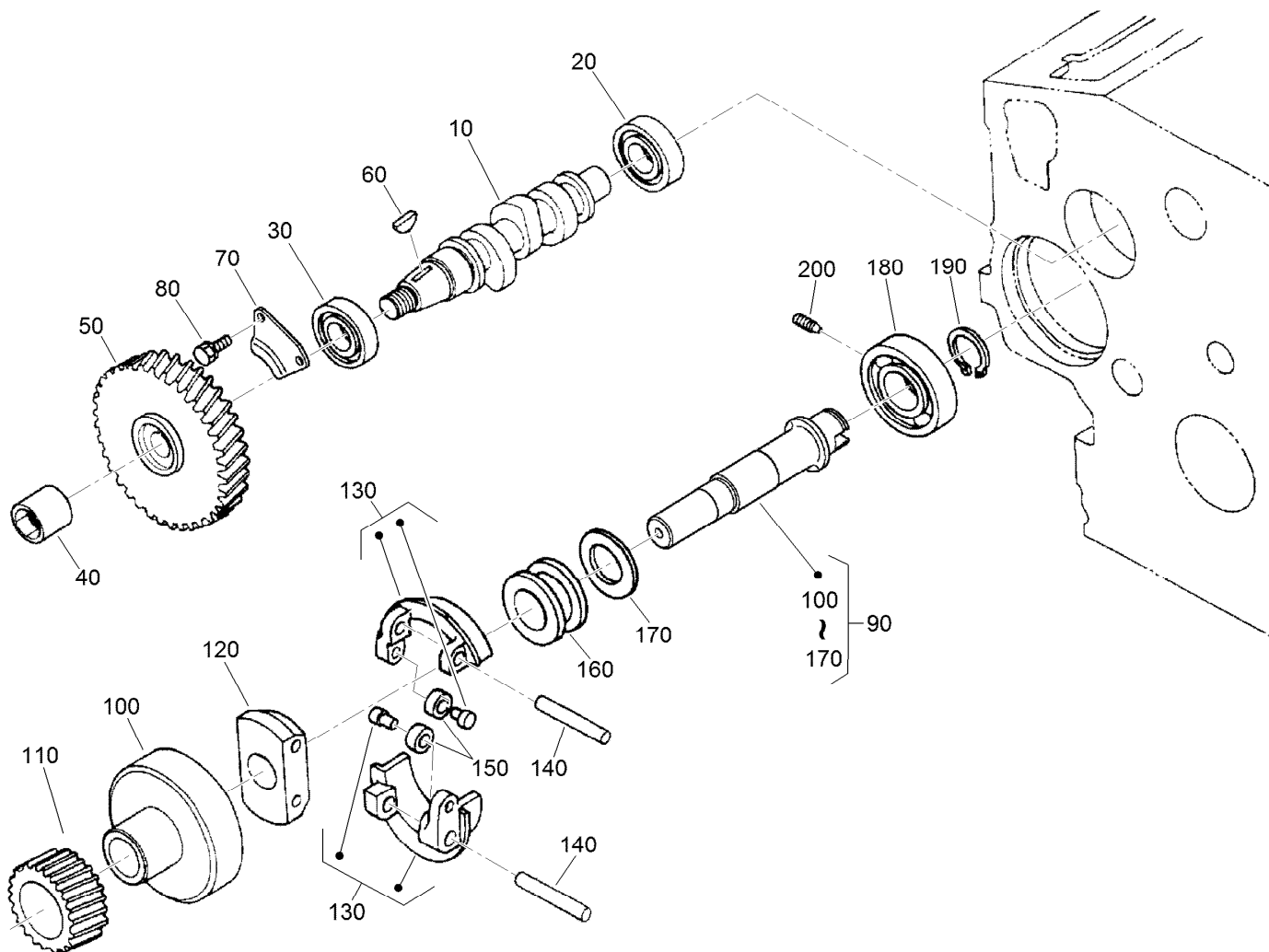
Ref.	Part Number	Qty.	Description
10	112-0185	6	Tappet
20	127-0421	6	Rod-Push
30	130-1545	1	Camshaft ASM
40	110-3729	1	Ball
50	120-3116	1	Camshaft ASM
60	98-9378	1	Key-Feather
70	131-6555	1	Stopper (Camshaft)
80	98-7692	2	Bolt
90	117-7584	1	Idler Gear ASM
100	117-7585	1	Bushing-Gear, Idle
110	98-9535	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
110	117-7561	1	Gear-Crankshaft
120	98-9666	1	Key
130	127-0445	1	Gear-Drive, Oil Pump
140	98-9522	1	Sleeve-Crankshaft
150	127-0444	1	Collar-Crankshaft

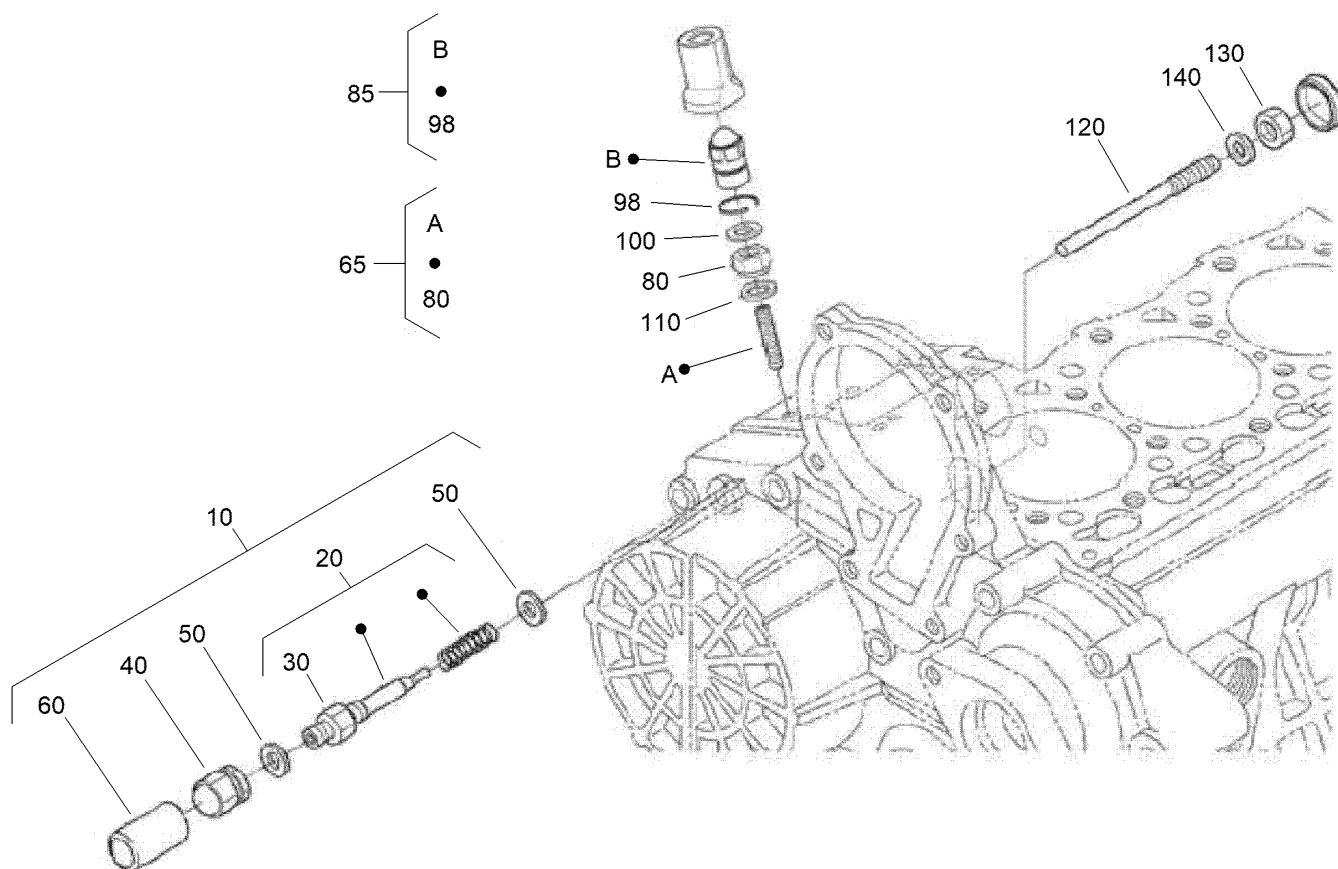
Ref.	Part Number	Qty.	Description
160	105-3783	1	O-Ring
170	112-7005	1	Bearing-Main (STD)
170	98-9528	1	Bearing-Main (-0.2MM)
170	127-0432	1	Metal-Crankshaft (-0.4MM)
200	98-9413	2	Bearing-Thrust (STD)
200	127-0416	2	Metal-Side (+0.2Mm)
200	127-0417	2	Metal-Side (+0.40Mm)
210	98-9688	2	Bearing-Thrust (STD)
210	127-0437	2	Metal-Side (+0.2MM)
210	127-0438	2	Metal-Side (+0.40MM)
220	130-1547	3	Piston Kit
220	130-1548	3	Piston Kit
230	130-1501	1	Engine Metal Kit (STD)
230	130-1498	1	Engine Metal Kit (-0.20Mm/+0.20Mm)
230	130-1499	1	Engine Metal Kit (-0.40Mm/+0.40Mm)



Fuel Camshaft and Governor Shaft Assembly

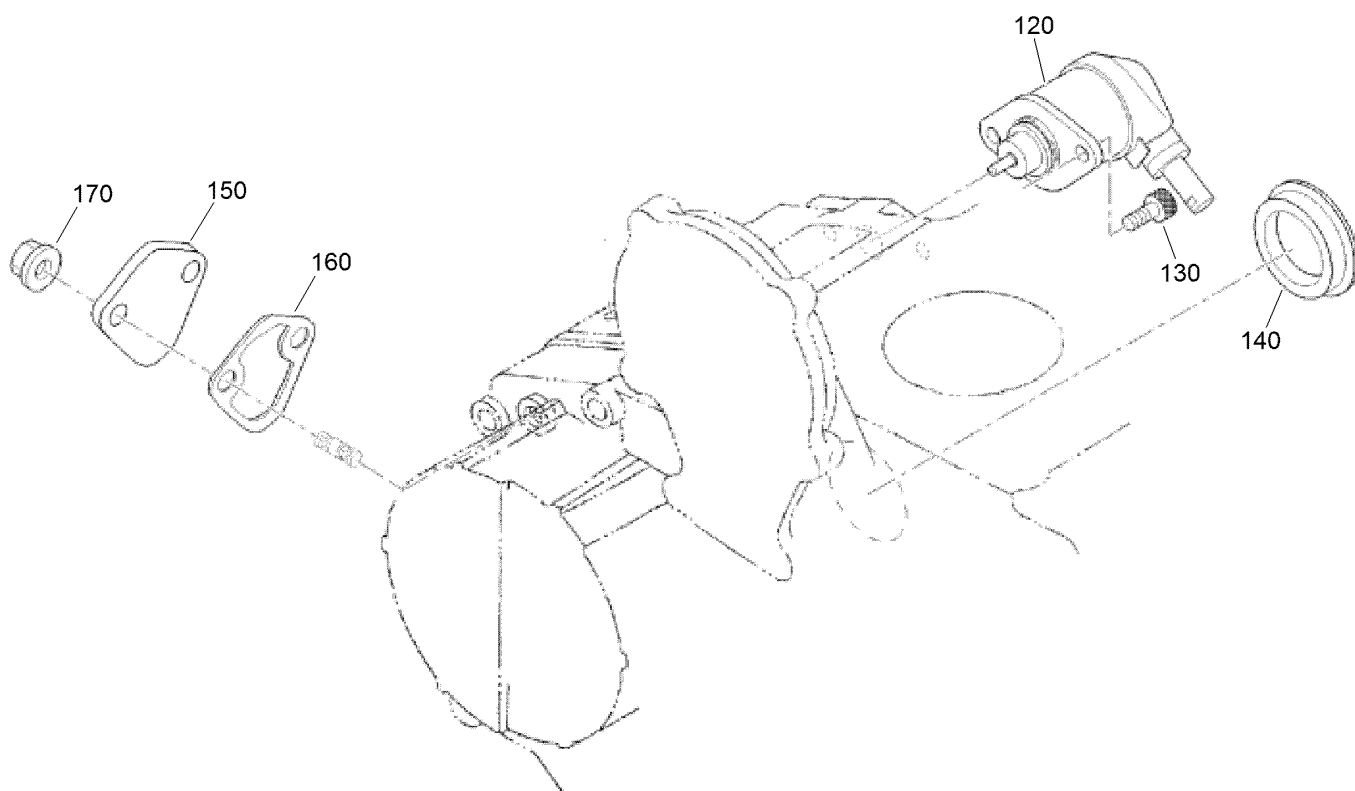
Ref.	Part Number	Qty.	Description
10	139-4547	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
40	130-1512	1	Nut
50	120-2562	1	Gear-Pump, Injection
60	98-9595	1	Key-Woodruff
70	98-9511	1	Stopper-Fuel, Camshaft
80	98-7692	2	Bolt
90	98-9644	1	Governor Shaft ASM
100	98-9562	1	Holder-Gear, Governor

Ref.	Part Number	Qty.	Description
110	98-9673	1	Gear-Governor
120	98-9561	1	Holder-Weight, Governor
130	98-9559	2	Governor Weight ASM
140	98-9560	2	Shaft-Weight, Governor
150	98-9692	2	Roller
160	98-9563	1	Sleeve-Governor
170	98-9564	1	Washer-Thrust
180	107-9079	1	Bearing-Ball
190	98-9657	1	Circlip-Shaft, Governor
200	98-9565	1	Screw-Set



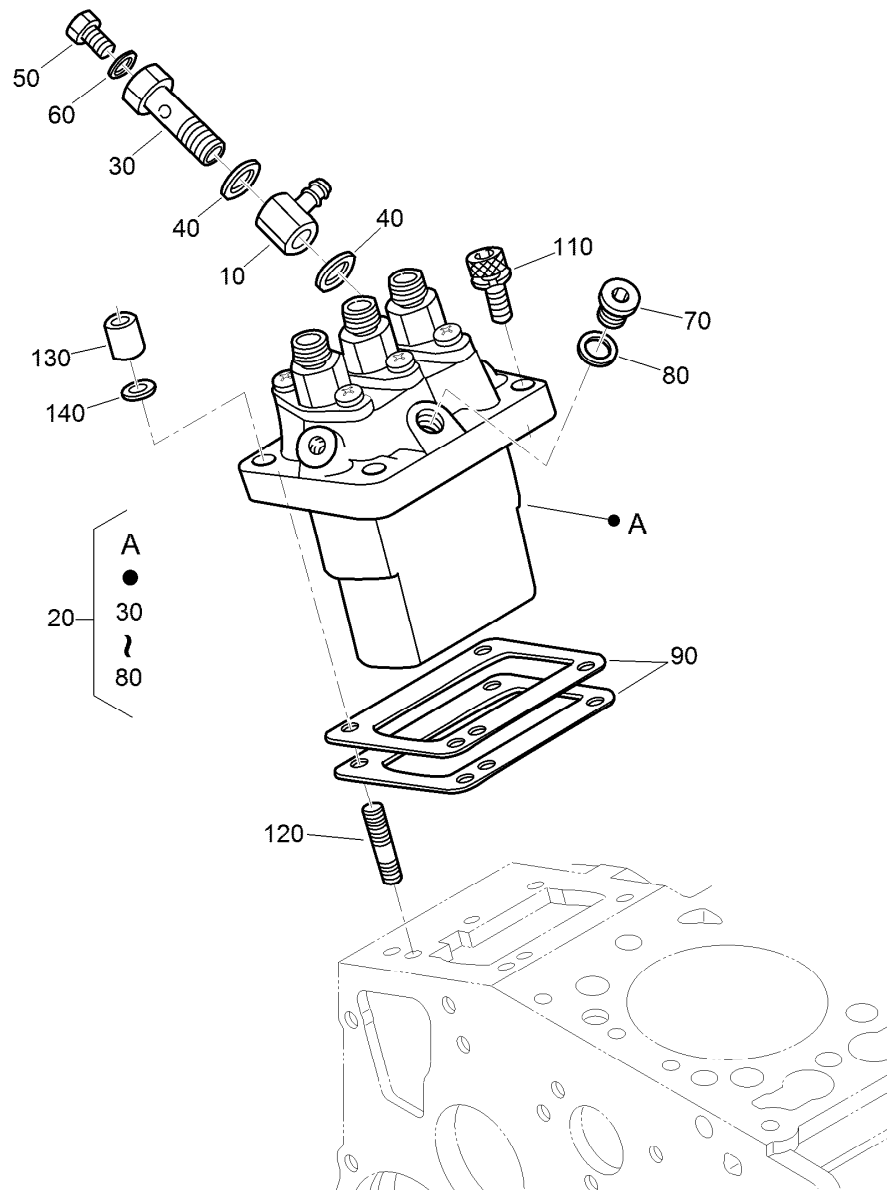
Idle Apparatus and Stop Solenoid Assembly

Ref.	Part Number	Qty.	Description
10	98-9678	1	Idle Apparatus ASM
20	112-7014	1	Adjusting Bolt ASM
30	98-9439	1	Nut
40	112-0181	1	Nut
50	98-7654	2	Gasket
60	98-7656	1	Cap
65	140-2470	1	Adjusting Bolt ASM
80	139-4548	1	Nut-Lock
85	140-2471	1	Cap Nut ASM
98	140-2472	1	Circlip-Int
100	98-7654	1	Gasket
110	107-9081	1	Gasket
120	131-6556	1	Bolt
130	98-7572	1	Nut
140	98-7654	1	Gasket



Solenoid Assembly

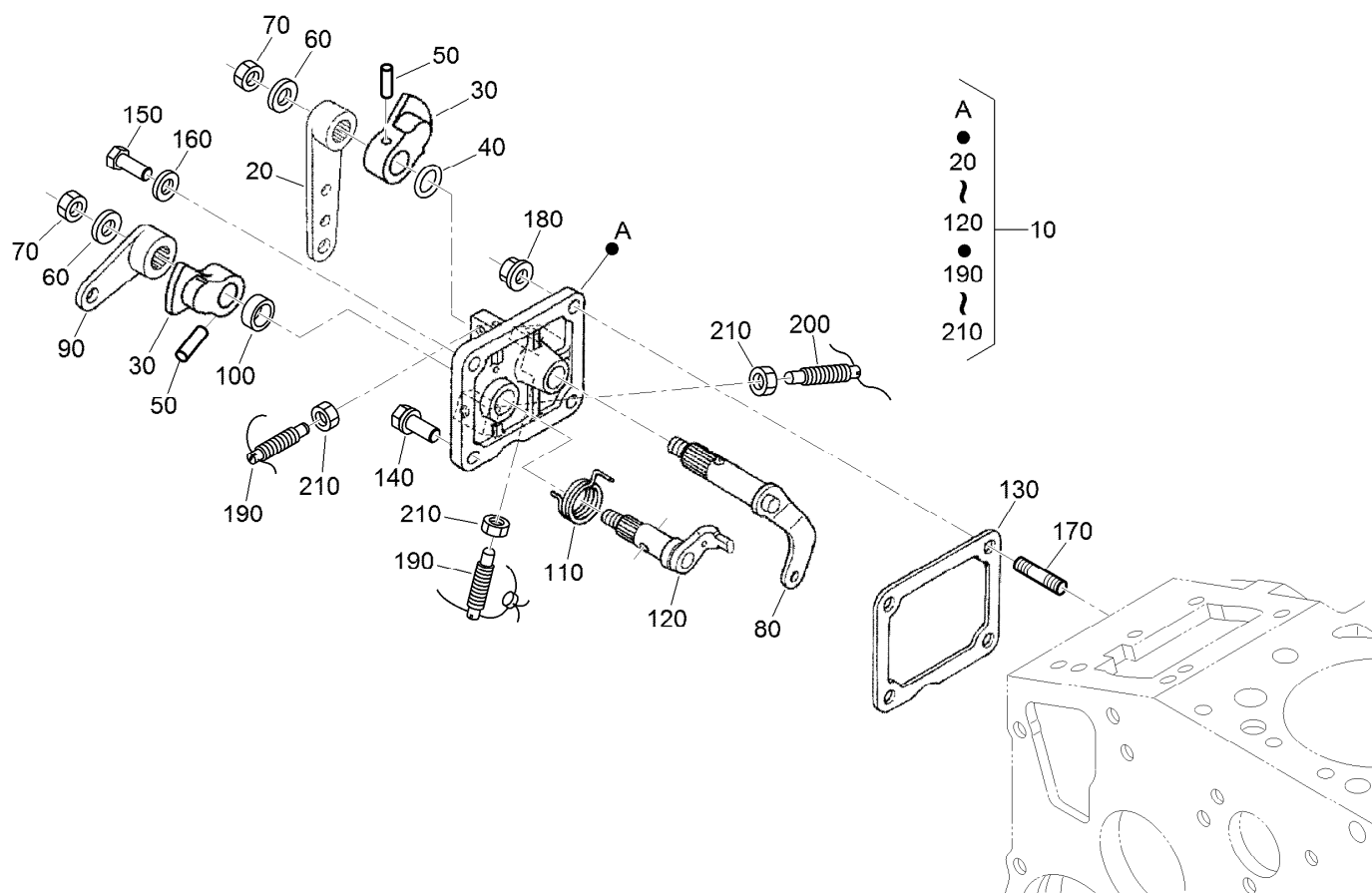
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
120	104-5155	1	Solenoid-Stop
130	130-1155	2	Screw-HSH
140	112-7016	1	Cover-Pump
150	99-3514	1	Cover
160	117-7562	1	Gasket-Pump, Fuel
170	100-2203	2	Nut-Flange



Injection Pump Assembly

Ref.	Part Number	Qty.	Description
10	139-4549	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	98-9456	1	Shim-Injection (0.20MM)

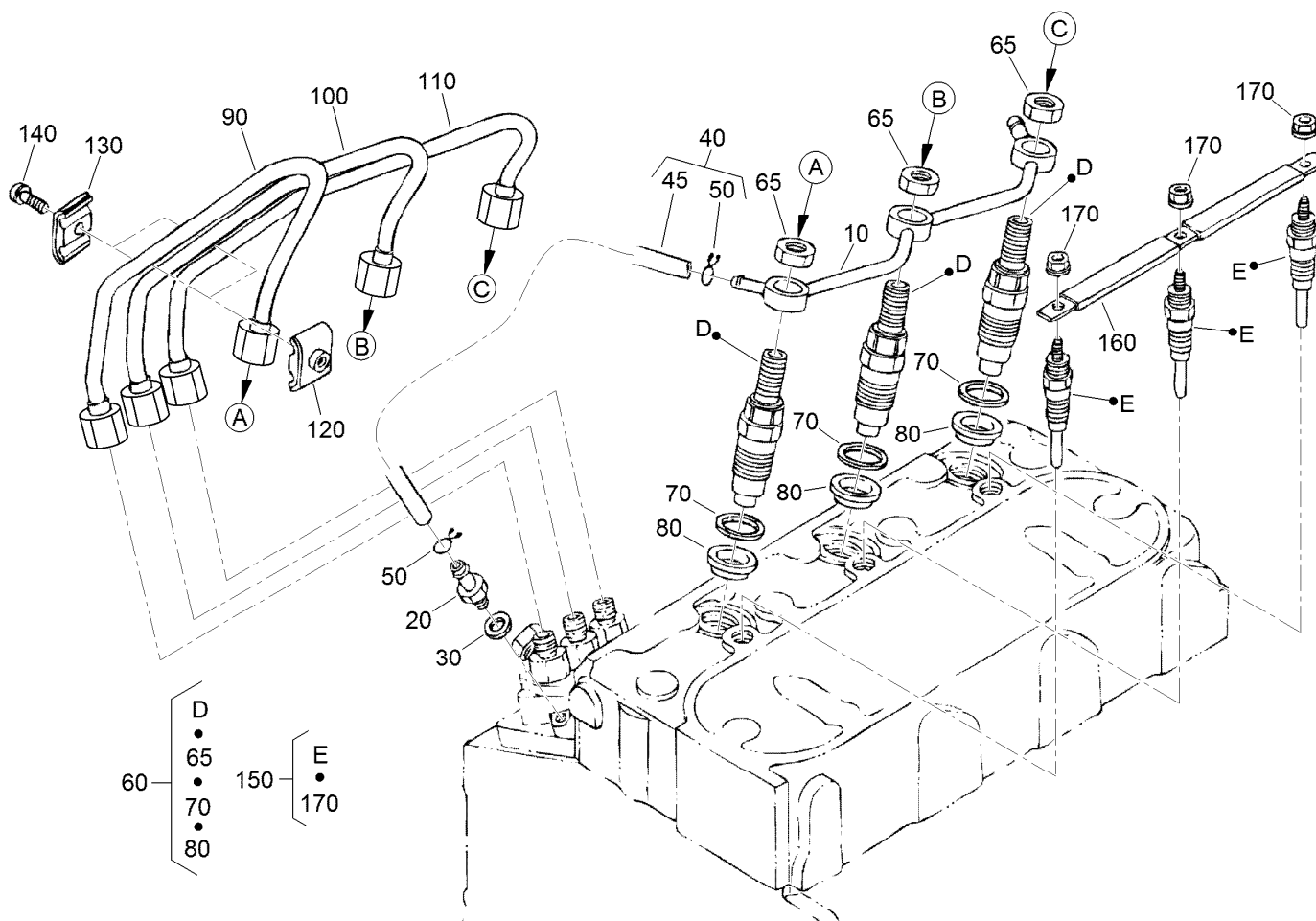
Ref.	Part Number	Qty.	Description
90	98-9457	1	Shim-Injection (0.25MM)
90	98-9458	1	Shim-Injection (0.30MM)
90	115-3046	1	Shim-Injection (0.35MM)
90	115-3045	1	Shim-Injection (0.175MM)
110	117-7564	2	Bolt-Hex Soc HD
120	98-9438	2	Stud
130	98-9440	2	Nut-Cap
140	98-7699	2	Washer-Spring



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

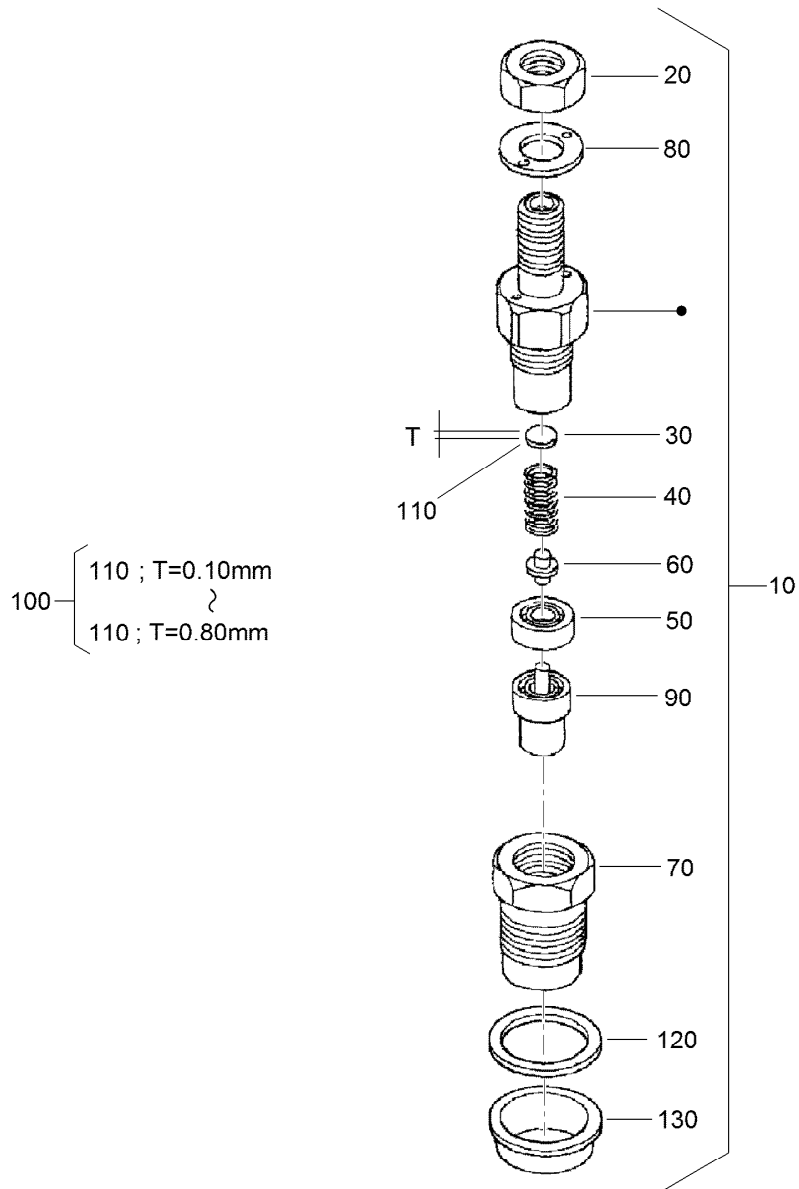
Ref.	Part Number	Qty.	Description
120	98-9664	1	Shaft-Lever, Stop
130	98-9637	1	Gasket
140	98-7692	1	Bolt
150	127-0401	1	Bolt-Hex
160	98-7654	1	Gasket
170	105-3710	2	Stud
180	100-2203	2	Nut-Flange
190	117-7565	2	Bolt-Adjusting
200	117-7566	1	Bolt-Adjusting
210	98-7572	3	Nut



Nozzle Holder and Glow Plug Assembly

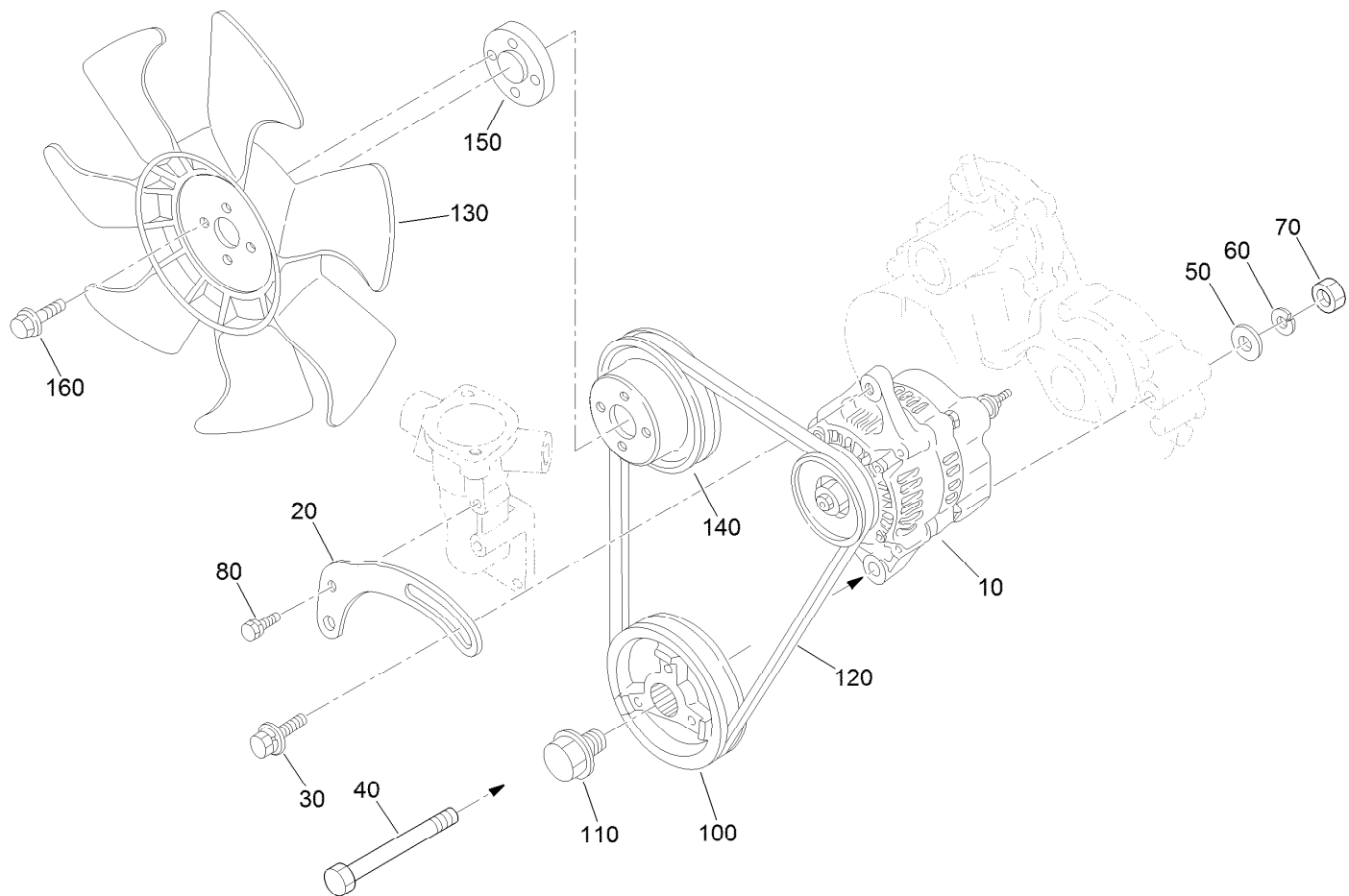
Ref.	Part Number	Qty.	Description
10	98-9620	1	Overflow Pipe ASM
20	98-9431	1	Screw-Bleeder, Air
30	98-7654	1	Gasket
40	140-2456	1	Overflow Pipe ASM
45	140-2457	1	Pipe-Overflow
50	98-7671	2	Clip-Pipe
60	115-3018	3	Nozzle Holder Kit
65	121-2411	3	Nut
70	98-7676	3	Gasket
80	98-7677	3	Seal-Heat

Ref.	Part Number	Qty.	Description
90	98-9622	1	Pipe-Injection
100	98-9654	1	Pipe-Injection
110	98-9655	1	Pipe-Injection
120	98-7682	2	Clamp-Pipe
130	98-7683	2	Clamp-Pipe
140	98-7684	2	Screw (W/Washer)
150	130-1411	3	Plug-Glow
160	98-9631	1	Cord-Plug, Glow
170	99-8377	3	Nut-Flange



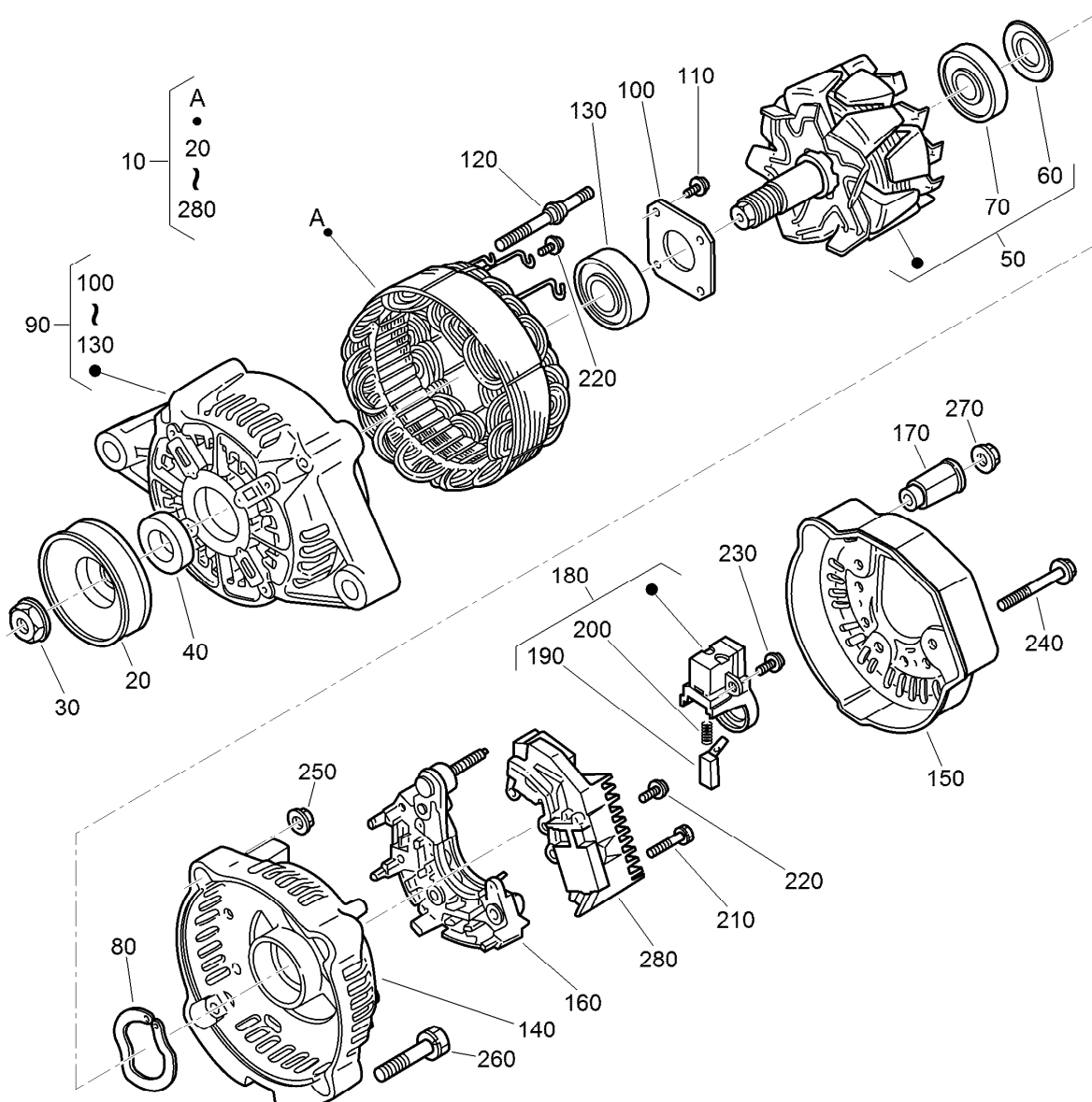
Nozzle Holder Assembly

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

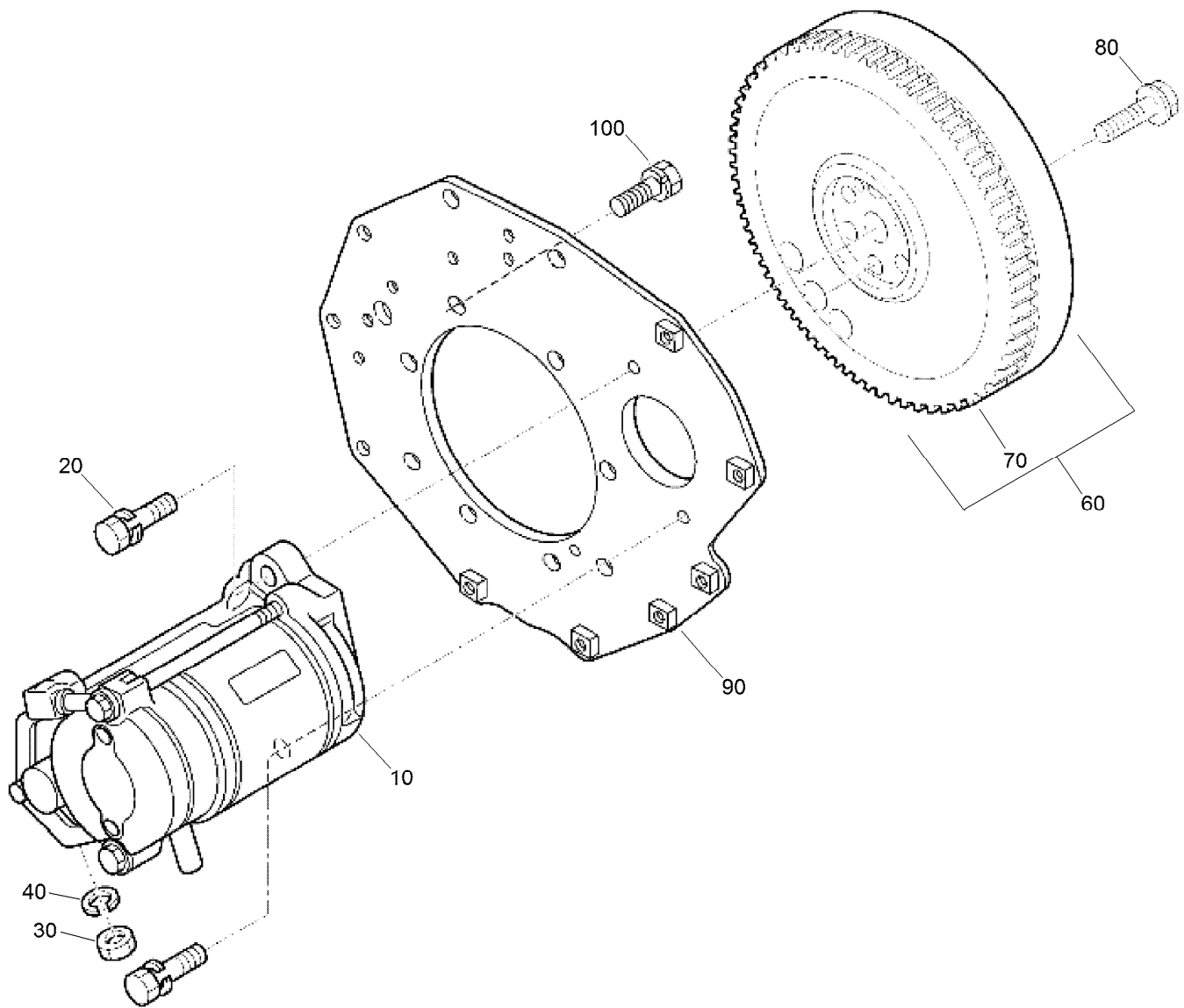
Ref.	Part Number	Qty.	Description
10	131-6557	1	Alternator ASM
20	112-7047	1	Stay-Dynamo
30	108-7088	1	Bolt
40	98-9360	1	Bolt
50	98-9366	1	Washer-Plain
60	98-7738	1	Washer-Spring
70	98-7737	1	Nut
80	98-7692	1	Bolt
100	98-9473	1	Pulley-Drive, Fan
110	98-9585	1	Bolt
120	104-3494	1	Belt-V
130	104-4246	1	Fan-Engine
140	130-1567	1	Pulley-Fan
150	108-2872	1	Collar-Fan
160	108-2873	4	Bolt-Flange



Alternator Assembly No. 131-6557

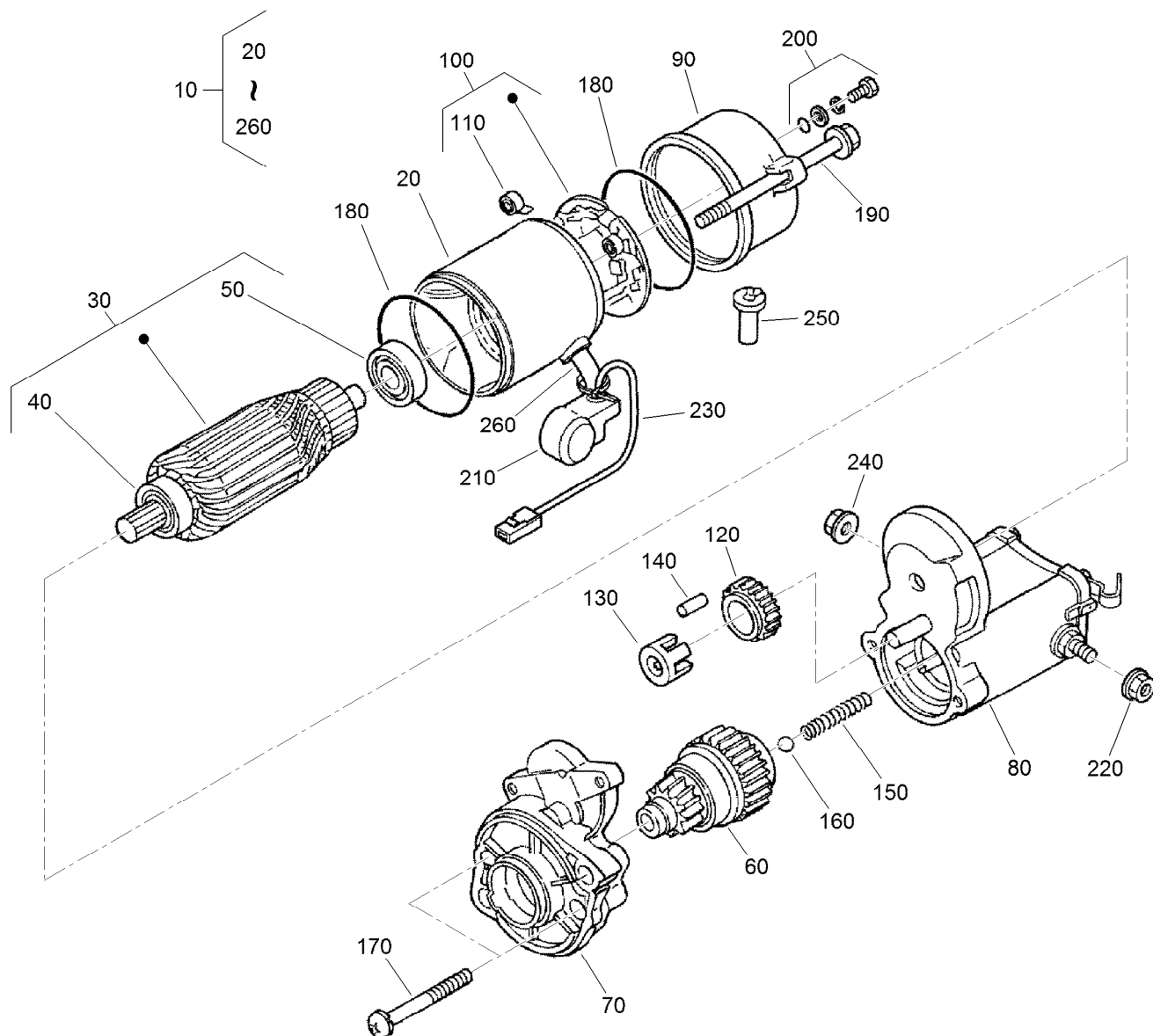
Ref.	Part Number	Qty.	Description
10	131-6557	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	131-6559	1	Frame-End, Drive
100	98-7715	1	Plate-Retainer
110	98-7716	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	140-2458	1	Regulator ASM



Starter and Flywheel Assembly

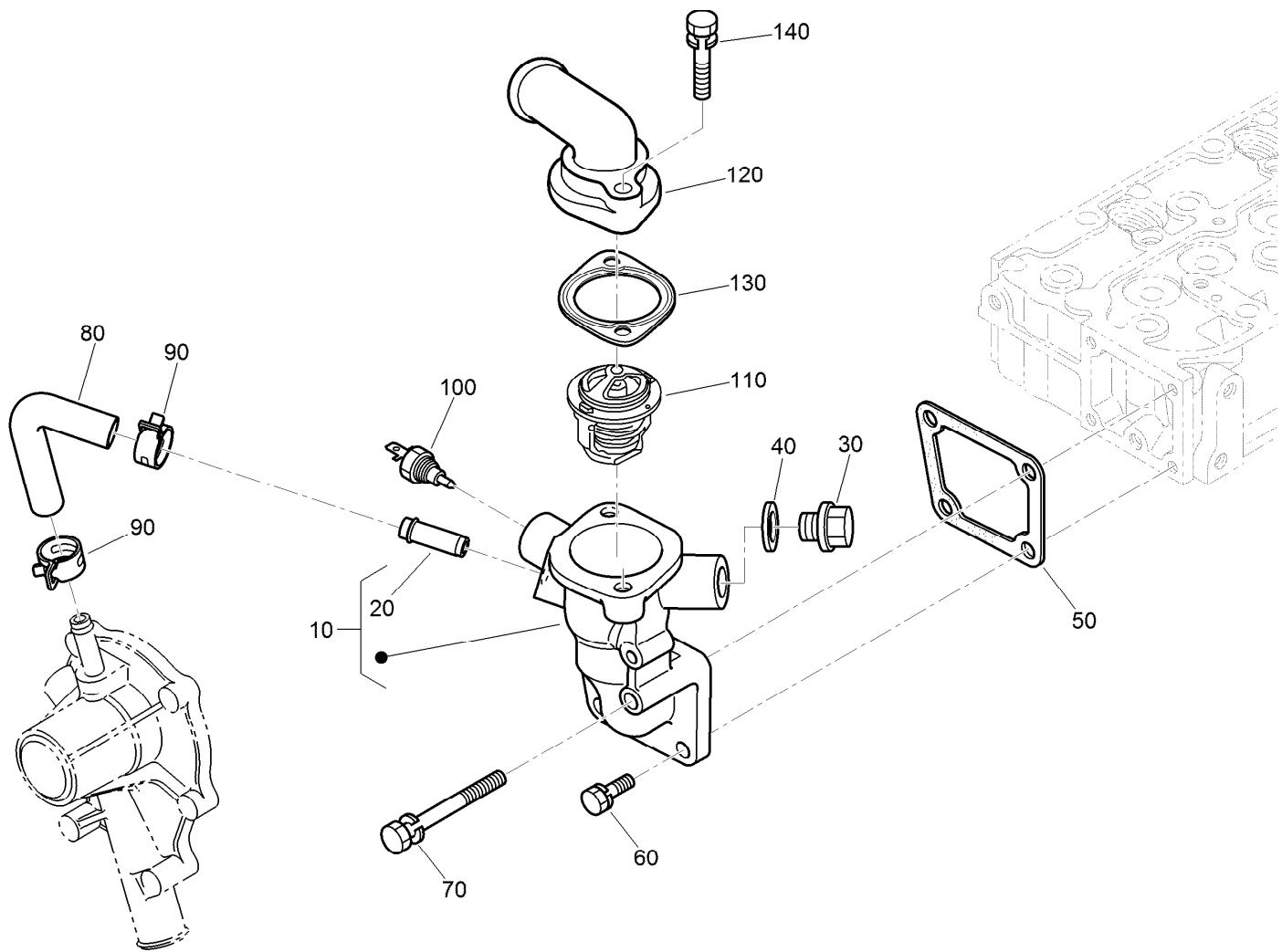
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	98-7697	2	Bolt
30	98-7534	1	Nut
40	105-2893	1	Washer-Spring
60	105-3784	1	Flywheel ASM
70	115-3015	1	Gear-Ring
80	98-9537	6	Bolt-Flywheel
90	98-9486	1	Plate-End, Rear
100	98-9392	8	Bolt



Starter Component Assembly

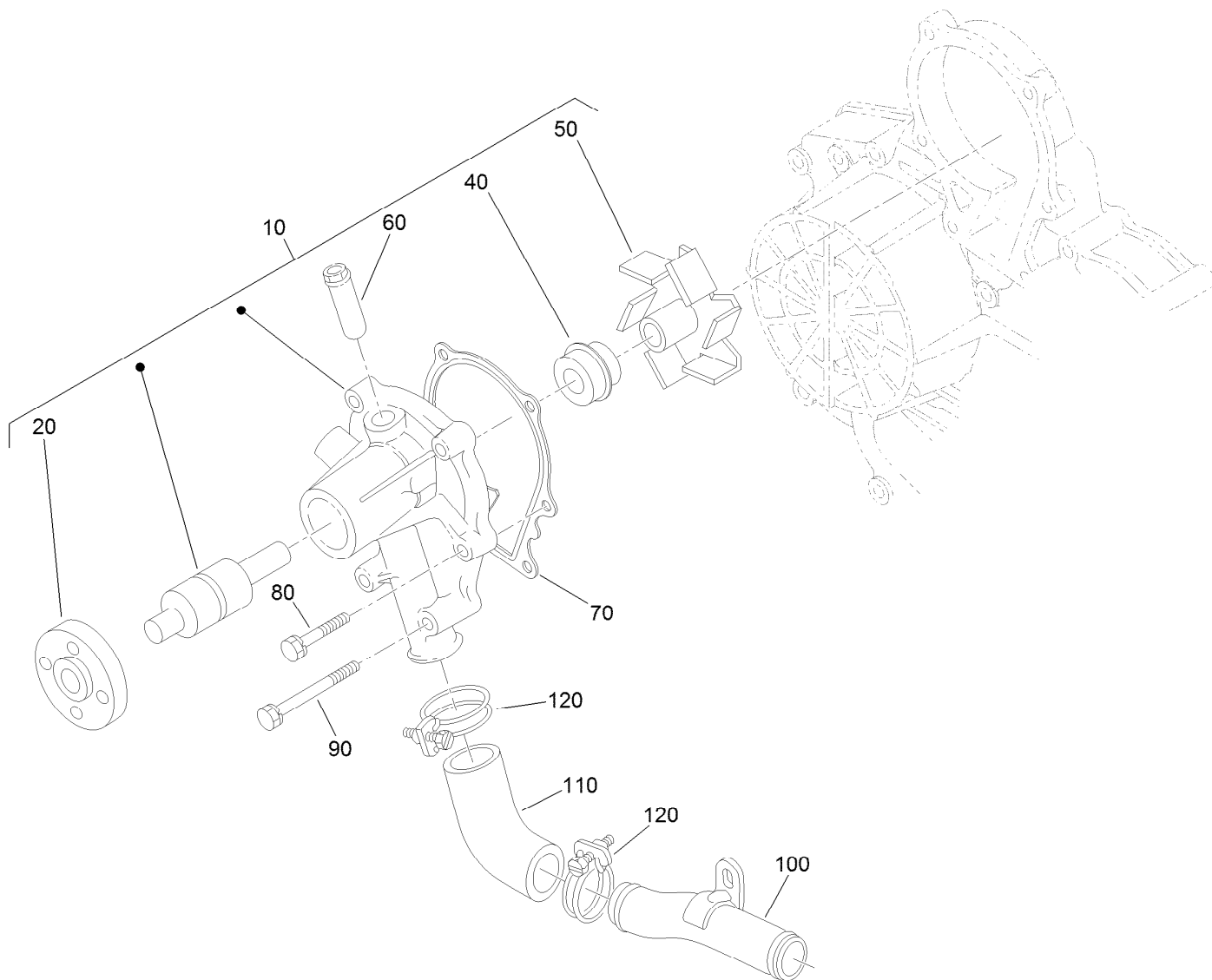
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	98-7750	4	Spring-Brush
120	98-7751	1	Gear
130	98-7752	1	Retainer

Ref.	Part Number	Qty.	Description
140	98-7753	5	Roller
150	98-7754	1	Spring
160	98-7755	1	Ball
170	98-7756	2	Bolt
180	98-7757	2	O-Ring
190	100-9240	2	Bolt
200	98-7758	2	Bolt ASM
210	99-8375	1	Cover
220	99-8371	1	Nut-Hex
230	98-9711	1	Cord-Solenoid, Stop
240	99-8376	1	Nut-Hex
250	98-7759	1	Pipe-Drain
260	98-9712	1	Band-Cover



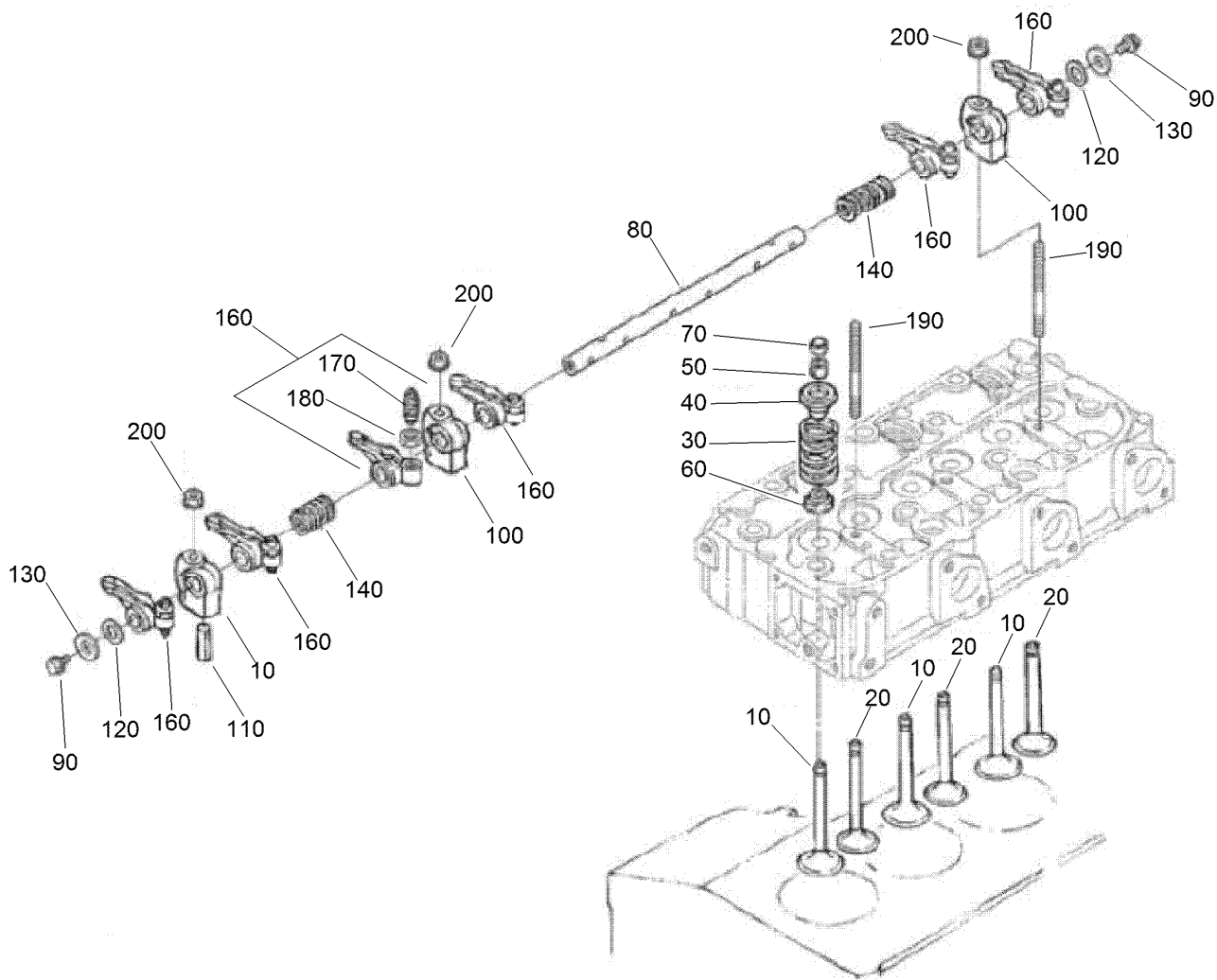
Water Flange and Thermostat Assembly

Ref.	Part Number	Qty.	Description
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	104-4804	1	Outlet-Water
130	105-3748	1	Gasket-Thermostat
140	98-7777	2	Bolt



Water Pump Assembly

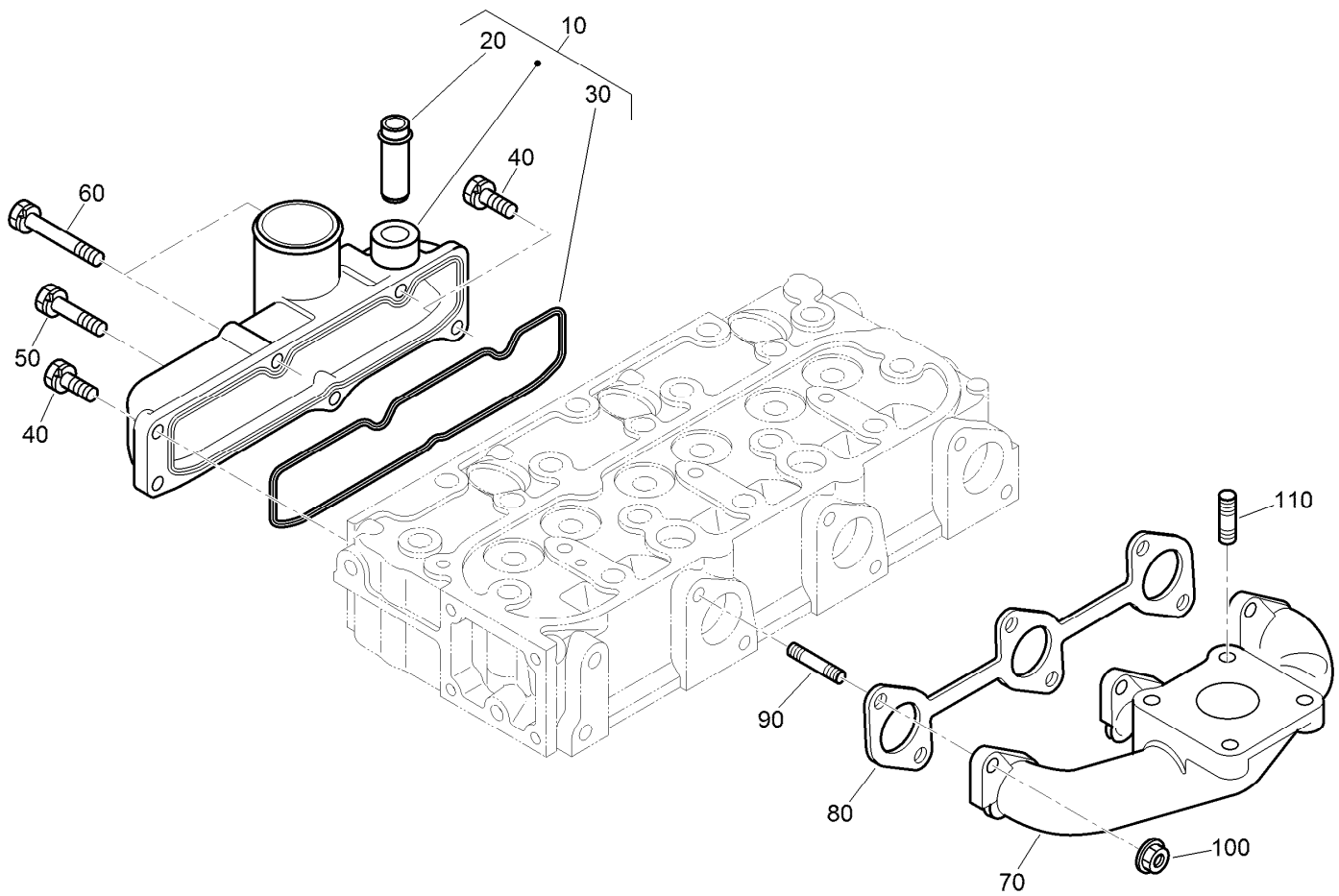
Ref.	Part Number	Qty.	Description
10	107-9089	1	Water Pump ASM
20	99-3516	1	Flange-Pump, Water
40	105-3750	1	Mechanical Seal ASM
50	112-7017	1	Impeller-Pump, Water
60	100-1932	1	Pipe-Return, Water
70	99-3454	1	Gasket-Pump, Water
80	98-9353	4	Bolt
90	107-9090	2	Bolt
100	98-9716	1	Pipe-Water
110	107-9091	1	Pipe-Water
120	127-0439	2	Clamp-Hose



Valve and Rocker Arm Assembly

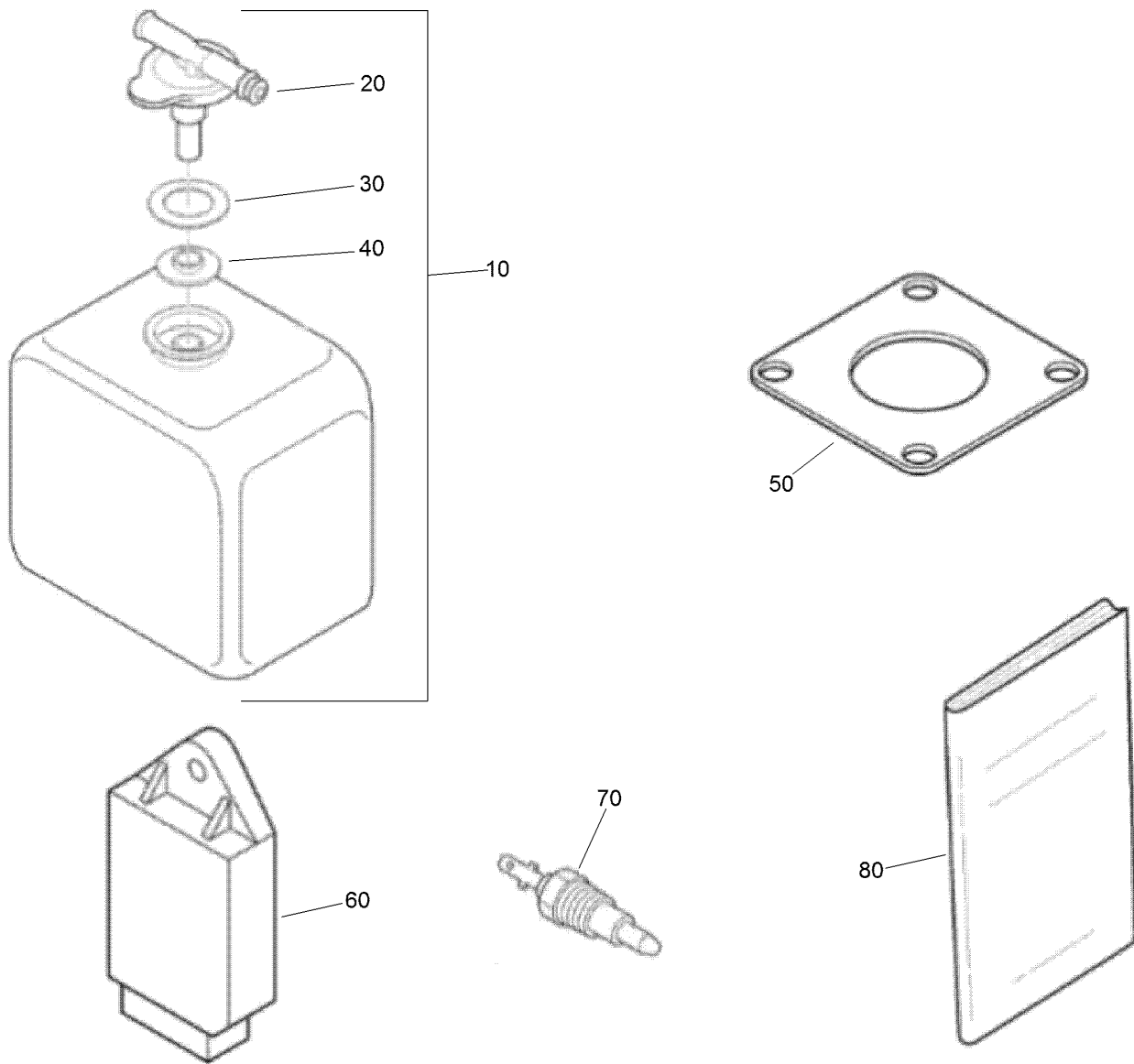
Ref.	Part Number	Qty.	Description
10	140-2459	3	Valve-Inlet
20	140-2460	3	Valve-Exhaust
30	98-9648	6	Spring-Valve
40	107-9092	6	Retainer-Spring
50	117-7572	6	Collet-Spring, Valve
60	99-8385	6	Seal-Stem, Valve
70	98-9497	6	Cap-Valve
80	130-1248	1	Shaft-Arm, Rocker
90	99-8363	2	Bolt-Flange
100	98-9505	3	Bracket-Arm, Rocker

Ref.	Part Number	Qty.	Description
110	105-3758	1	Pin-Spring
120	98-9507	2	Washer-Shaft, Rocker Arm
130	110-3832	2	Washer-Plain
140	98-9504	2	Spring-Arm, Rocker
160	112-7020	6	Rocker Arm ASM
170	98-9502	6	Screw-Adjusting
180	98-9503	6	Nut
190	98-9506	3	Stud
200	131-6563	3	Nut-Flange



Inlet and Exhaust Manifold Assembly

Ref.	Part Number	Qty.	Description
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	140-2463	1	Controller-Glow
70	140-2462	1	Thermoswitch
80	140-2461	1	Manual-Operator

Attachments and Accessories

For 30807 Groundsmaster 3500-D Rotary Mower

Product Name	Model/Part
Operator Cooling Fan	03247
Switch Panel-Universal Sunshade.....	03248
Roller Scraper Kit.....	104-5168
Blade-High Lift	104-5183
Blade-Angle Sail	105-9810-03
Blade-Atomic	107-0235-03
27in Blade Service Pack (qty 6)	108-1462
Blade-27in Combo	108-9026
Wireless Hourmeter	115-4754
External Antenna Kit, Wireless Hourmeter System	115-9524
Base Station Kit, Wireless Hourmeter System	115-9542
Repeater Kit, Wireless Hourmeter System	115-9543
Roller Asm (UHMW)	131-7800
Hi-Back Seat Cover	133-1308
PX Hydraulic Fluid (5 Gal)	133-8086
PX Hydraulic Fluid (55 Gal).....	133-8087
Ballast Kit (27in C/U)	136-2881
Wheel Weight Kit	136-3315
LH Liftarm Assembly.....	136-3421
RH Liftarm Assembly	136-3423
3in Dia, 27in Sectional Roller Assembly.....	137-6145
Beacon Kit	138-2699
Sunshade Work Lights Kit.....	138-2700
Power Harness Kit	138-2993
Hydraulic Booster-10.5 fl oz.....	145-5286
Bimini Sunshade for 2-Post Roll-Over Protection System	30358
Premium Seat Kit.....	30629
White Universal Sunshade	30669
Red Universal Sunshade	30671
27in Rotary Cutting Unit.....	30834
Leaf Mulching Kit	30836
LED Work Light Kit.....	31692
New Red Paint - Gallon	361-11
Dark Metallic Gray Aerosol Paint	361-12
Semi-Gloss Black Spray Paint.....	361-9
1000 Hour MVP Kit	44963
Air Dry Red Paint - Qt	5340

Notes:

Notes:



Count on it.