Form No. 3378-846 Rev E

TORO®

Count on it.

Parts Catalog

Groundsmaster® 3500-G

Rotary Mower

Model No. 30809—Serial No. 313000001 and Up

Register at www.Toro.com.
Original Instructions (EN)

CE

3378-846 E

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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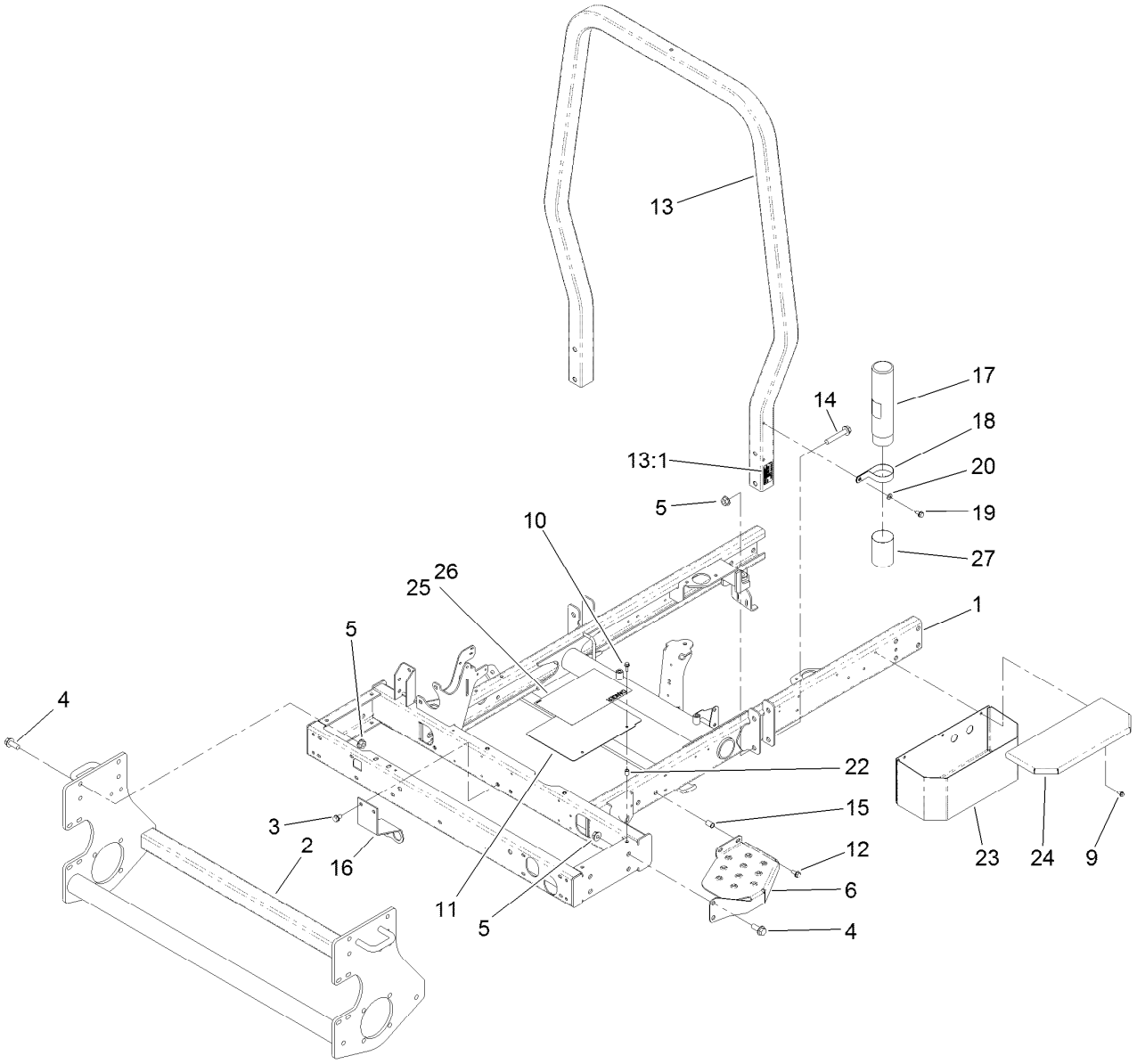
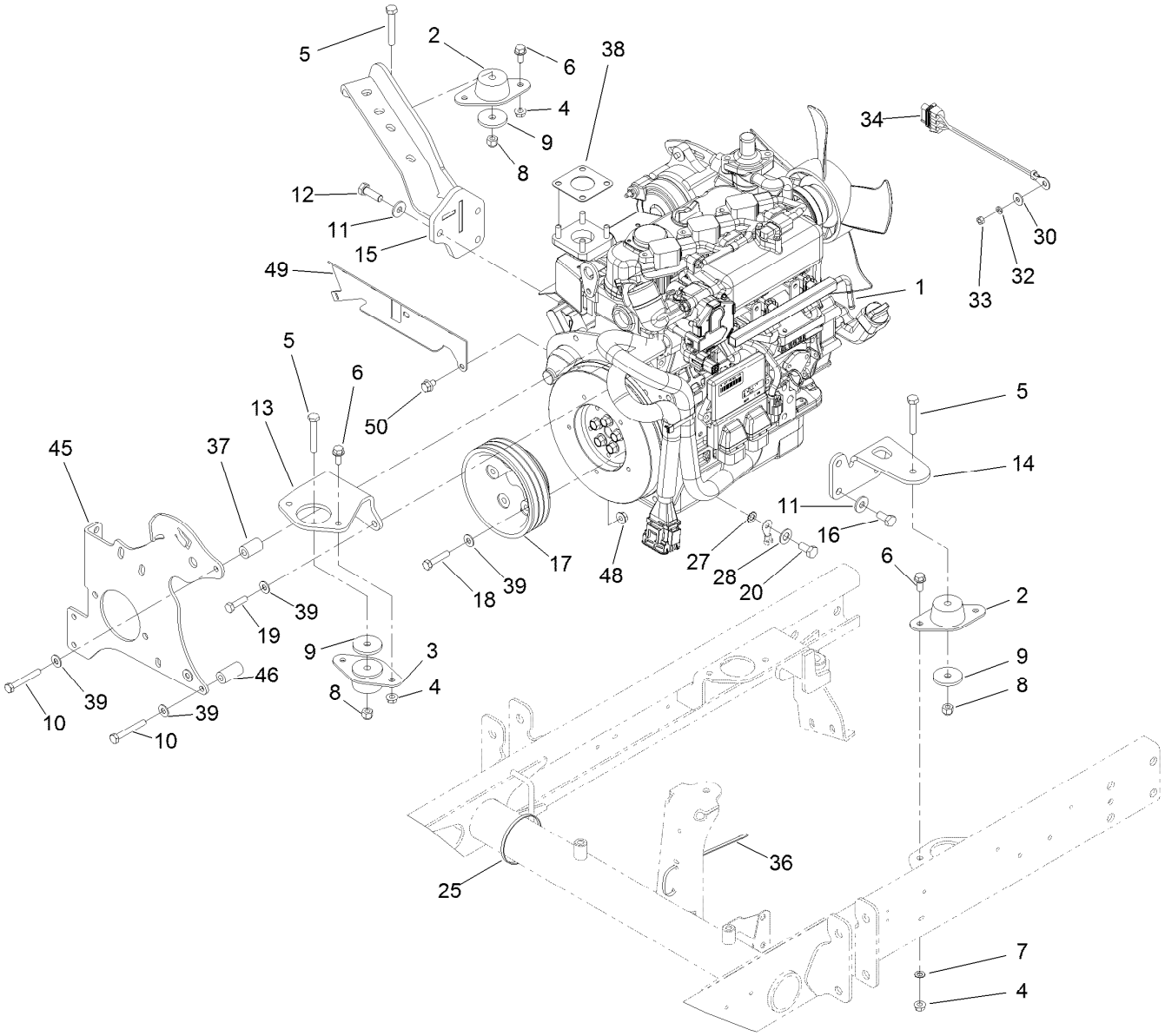


Frame and Roll-Over Protection System Assembly

Ref.	Part Number	Qty.	Description
1	120-3549-03	1	Frame
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
9	32144-10	6	Screw-HWH
10	3234-4	2	Screw-HHF
11	104-0468-01	1	Cover-Frame
12	3234-5	2	Screw-HHF
13	107-7833	1	ROPS ASM
13:1	107-7831	1	Decal-ROPS
14	3234-40	4	Screw-HF

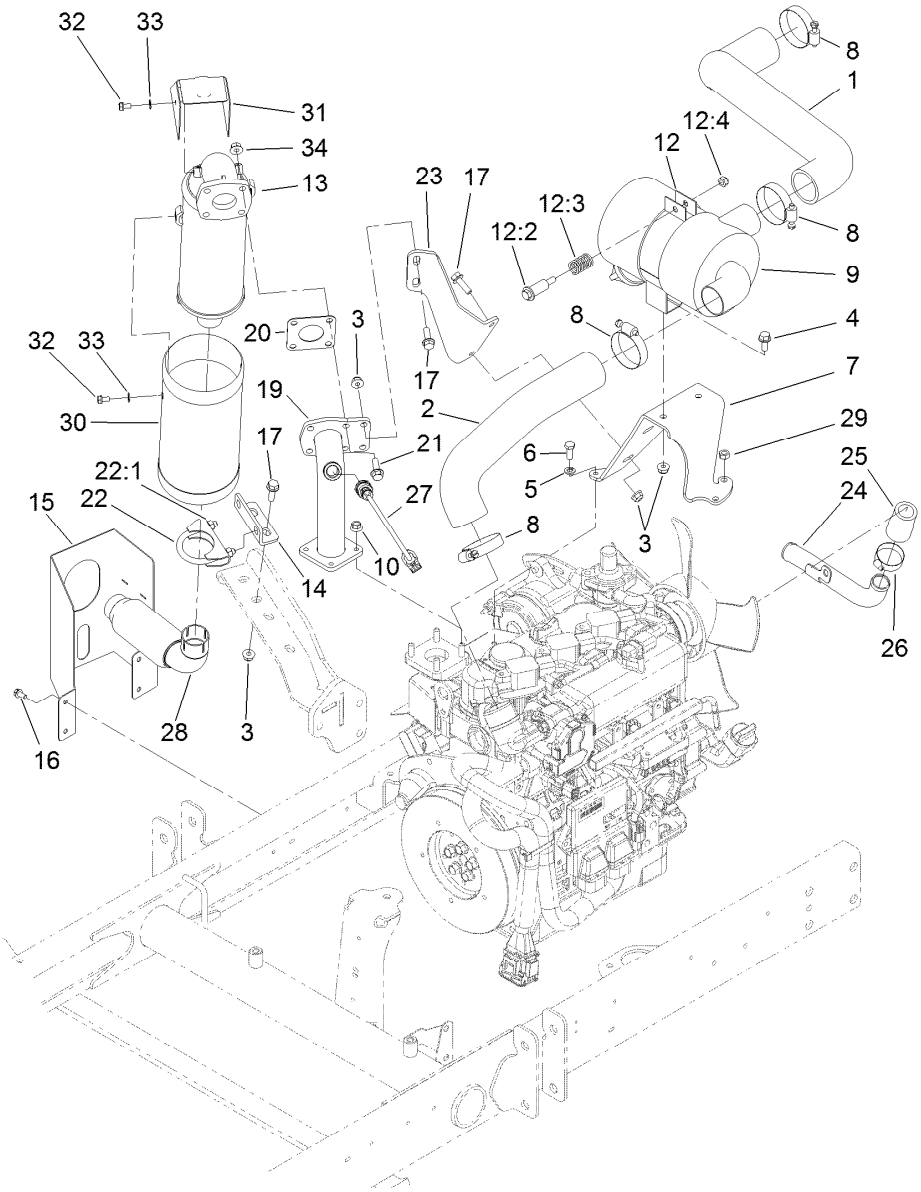
Ref.	Part Number	Qty.	Description
15	32148-8	2	Nut-Clinch
16	115-3417-03	1	Bracket-Bulkhead, Scissor
17	104-7050	1	Tube-Manual
18	2412-133	2	Clamp-R
19	32144-70	2	Screw-HWHTF
20	3256-23	2	Washer-Plain
22	32148-6	2	Nut-Clinch
23	104-4634-03	1	Toolbox
24	104-4633-03	1	Cover-Toolbox
25	104-0484	1	Decal-Danger
26	104-5181	1	Decal-Danger, CE
27	104-7048	1	Cap-Housing



Engine Installation Assembly

Ref.	Part Number	Qty.	Description
1	120-3397	1	Engine-Kubota
2	83-1030	2	Mount-Engine
3	93-5265	1	Mount-Engine
4	32128-20	6	Nut-HF
5	323-11	3	Screw-HH
6	3234-5	6	Screw-HHF
7	3255-8	1	Washer-Lock
8	3296-39	3	Nut-Lock, NI
9	80-8560	3	Washer-Hardened
10	33114-060	3	Screw-HH
11	80-6990	6	Washer-Hardened
12	95-8812	3	Screw-HH
13	120-3384-03	1	Mount-Engine, Front
14	120-3383-03	1	Mount-Engine, LH
15	120-3379-03	1	Mount-Engine, RH
16	43-0090	3	Screw-HH
17	120-3359-03	1	Pulley-Machined
18	33114-040	5	Screw-HH

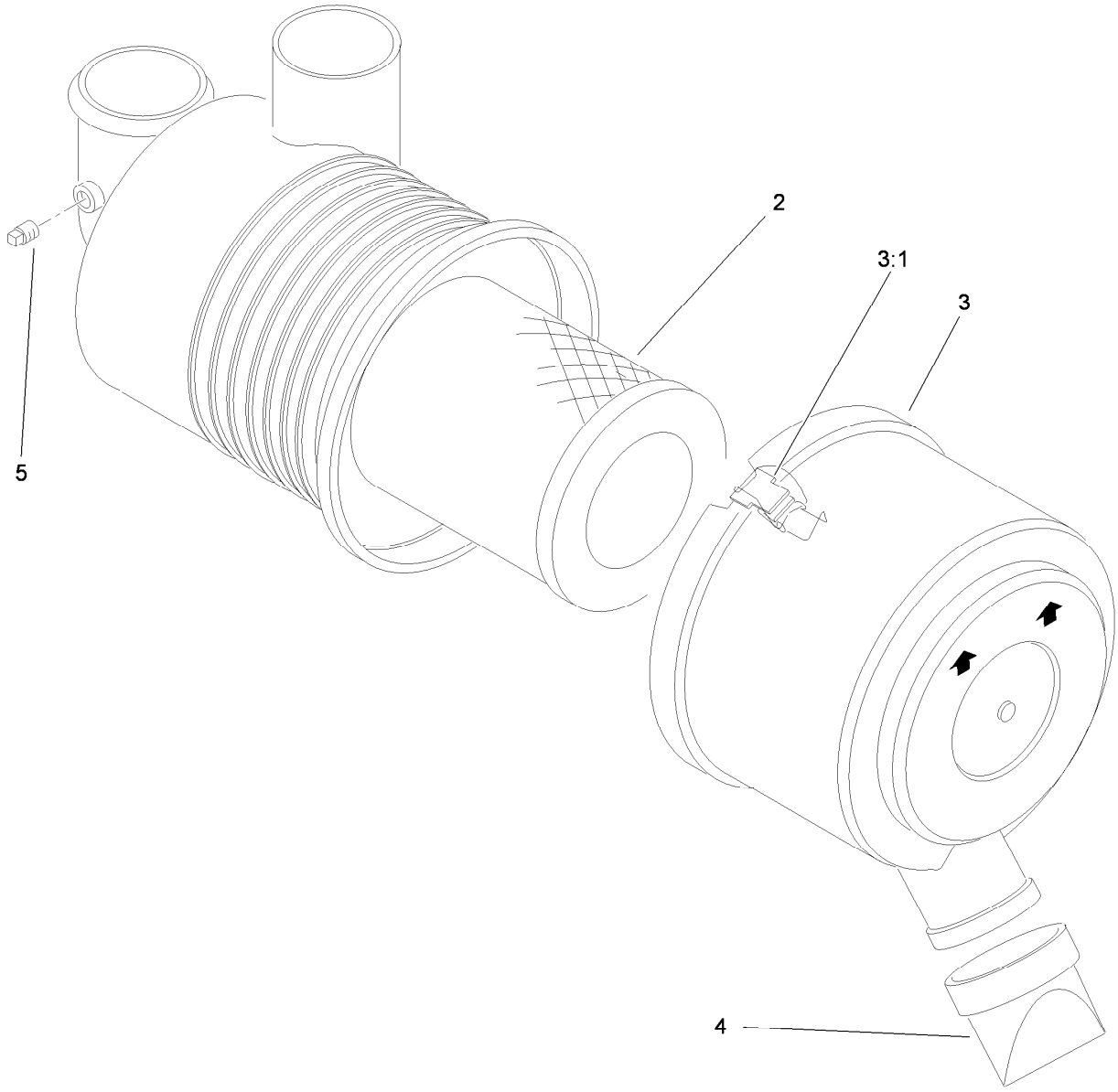
Ref.	Part Number	Qty.	Description
19	33114-025	1	Screw-HH
20	63-7790	1	Screw-Cap
25	3290-379	2	Tie-Cable
27	3255-9	1	Washer-Lock
28	3256-25	1	Washer-Flat
30	3256-78	1	Washer-Flat
32	43-5930	1	Washer-Lock, Spring
33	48-7890	1	Nut-Hex
34	99-3441	1	Harness-Wire, Fusible Link
36	3290-378	14	Tie-Cable
37	120-3386	1	Spacer
38	125-9108	1	Gasket-Muffler
39	87-8640	9	Washer-Flat
45	120-3367-03	1	Plate-Mount, Pump
46	120-3387	2	Spacer
48	98-0668	2	Nut
49	121-3529-03	1	Bracket-Wire Harness
50	68-9410	2	Screw-HHF



Air Cleaner and Exhaust Assembly

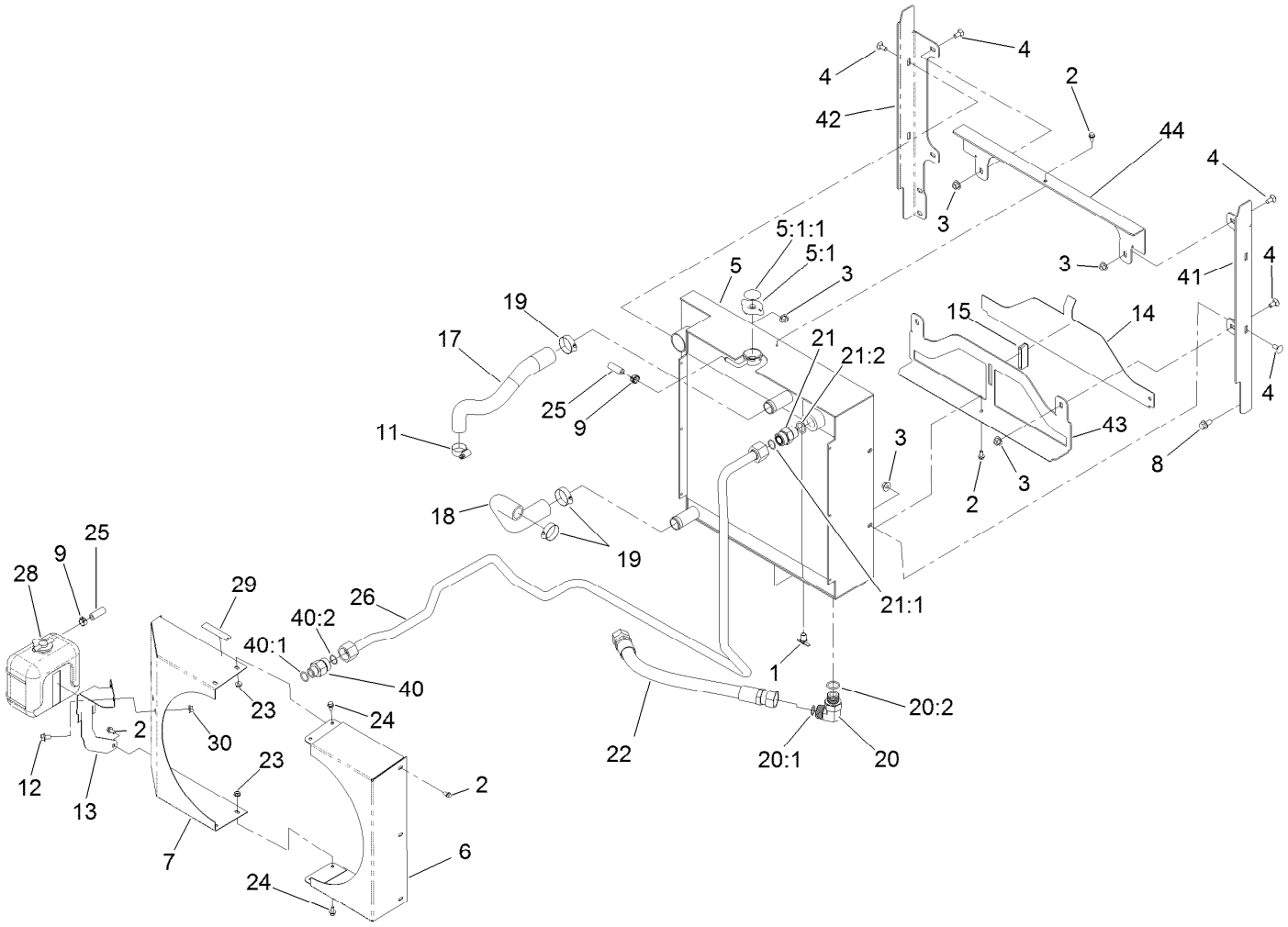
Ref.	Part Number	Qty.	Description
1	120-3501	1	Hose-Air Intake, Upper
2	120-3390	1	Hose-Intake, Lower
3	104-8300	8	Nut-HF, NI
4	3234-5	2	Screw-HHF
5	3253-4	1	Washer-Lock
6	33114-020	1	Screw-HH
7	120-3525-03	1	Bracket-Mount, Air Cleaner
8	2412-92	4	Clamp-Hose
9	93-2190	1	Air Cleaner ASM
10	125-9095	4	Nut
12	93-2191	1	Air Cleaner Mounting Band ASM
12:2	94-3653	1	Bolt
12:3	94-3654	1	Spring
12:4	48-9510	1	Nut
13	120-3547	1	Muffler
14	120-3385-03	1	Bracket-Muffler
15	121-3510-03	1	Guard-Exhaust
16	32144-4	4	Screw-HWH

Ref.	Part Number	Qty.	Description
17	3234-17	6	Screw-HHF
19	120-3365	1	Tube-Muffler Mount
20	125-9108	1	Gasket-Muffler
21	93-7773	4	Screw-HHF
22	2112-6	1	Clamp-Muffler
22:1	3218-2	2	Nut-Hex Jam
23	121-3527-03	1	Bracket-Muffler
24	120-3504	1	Tube-Inlet, Water
25	120-3537	1	Hose-Radiator, Union
26	2412-34	2	Clamp-Hose
27	121-3511	1	Sensor-O2 F/W
28	120-3369	1	Tube-Exhaust
29	33014-00	2	Nut-Hex
30	121-3545	1	Cover-Muffler
31	121-3546	1	Cover-Flange, Muffler
32	98-9350	6	Bolt
33	100-1781	6	Washer-Plain
34	68-9400	4	Nut-Flange



Air Cleaner Assembly No. 93-2190

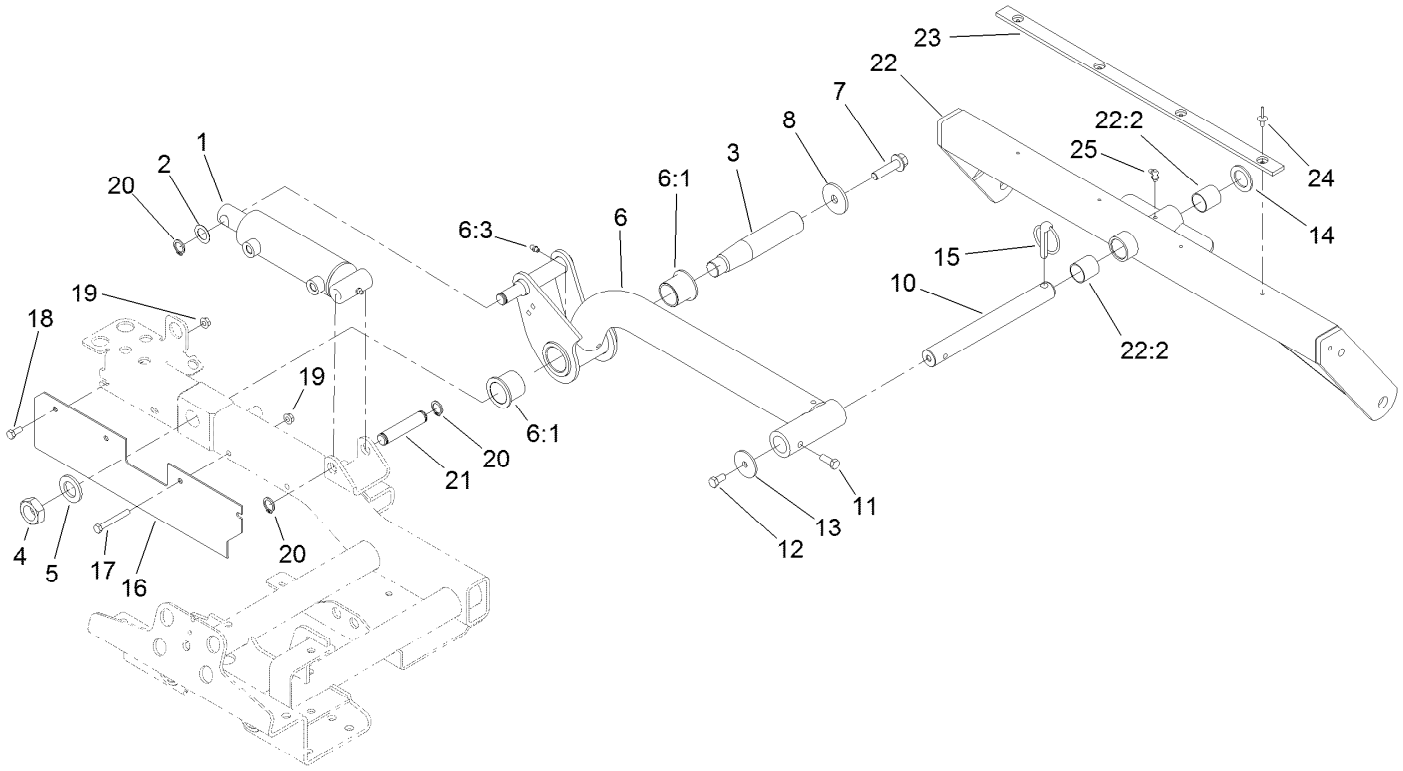
Ref.	*Part Number*	*Qty.*	*Description*
2	108-3811	1	Filter-Air
3	94-3652	1	Cover ASM
3:1	1-643283	2	Latch-Cleaner, Air
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe



Radiator and Oil Cooler Assembly

Ref.	Part Number	Qty.	Description
1	304-46	1	Draincock
2	32104-116	8	Screw-HWHTF
3	32128-44	8	Nut
4	3230-1	8	Bolt-CARR
5	119-2028	1	Radiator And Oil Cooler ASM
5:1	115-7766	1	Cap-Radiator
5:1:1	106-6755	1	Decal-Cap, Radiator
6	120-3517-03	1	Shroud-Fan, LH
7	120-3516-03	1	Shroud-Fan, RH
8	3234-1	4	Screw-HHF
9	92-2379	2	Clamp-Hose
11	2412-129	1	Clamp-Hose
12	3234-30	2	Screw-HHF
13	120-3548-03	1	Bracket-Mount, Overflow
14	95-8702-03	1	Shield-Radiator, Lower
15	99-3497	1	Magnet
17	120-3506	1	Hose-Radiator, Upper
18	120-3399	1	Hose-Radiator, Lower
19	2412-34	3	Clamp-Hose
20	340-142	1	Fitting-Elbow, 90 DEG

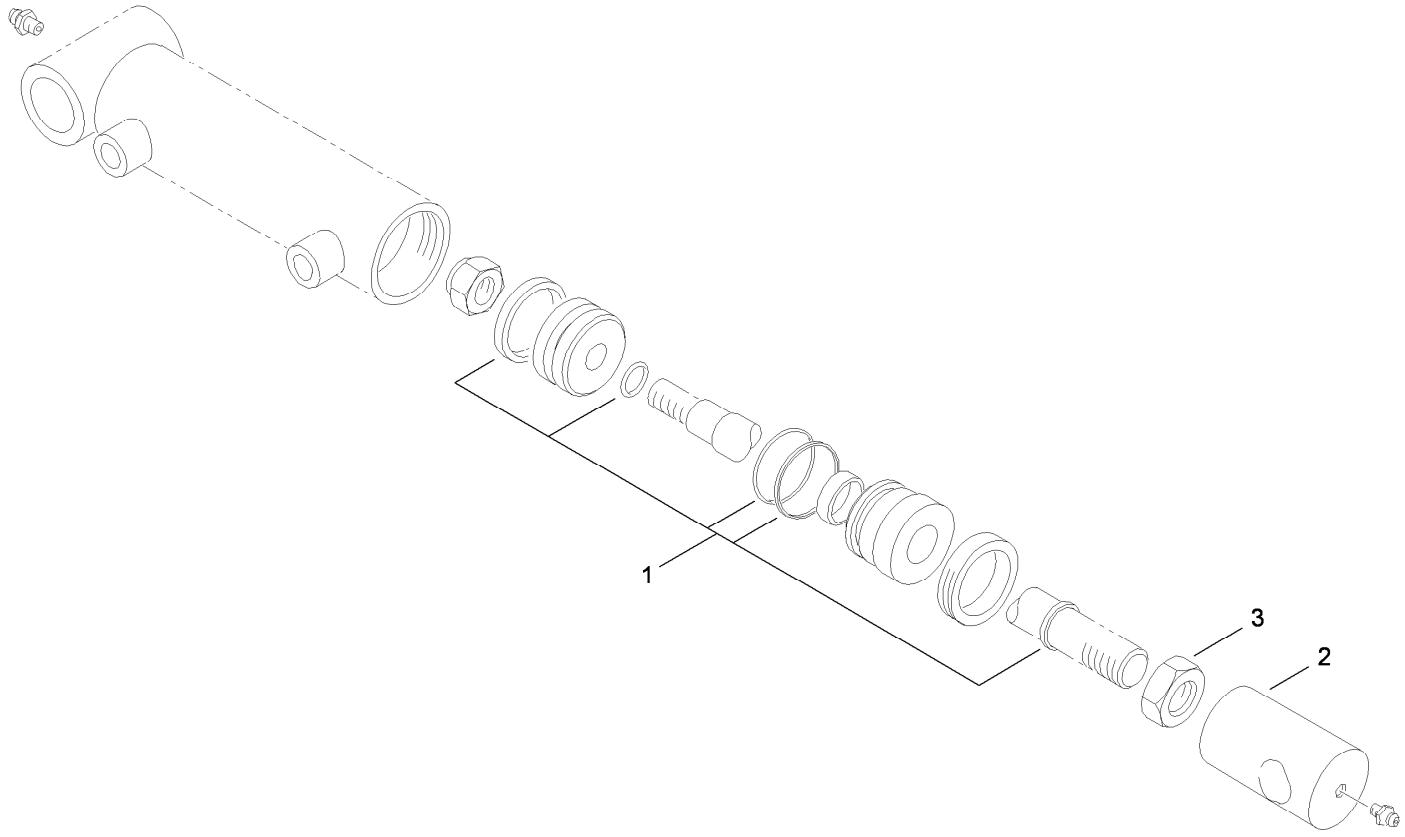
Ref.	Part Number	Qty.	Description
20:1	237-58	1	O-Ring
20:2	237-81	1	O-Ring
21	340-9	1	Fitting-STR
21:1	237-58	1	O-Ring
21:2	237-81	1	O-Ring
22	92-7536	1	Hose-HYD
23	32128-33	4	Nut-HF
24	3234-13	4	Screw-HHF
25	109-0274	1	Hose-Fuel
26	120-3361	1	Tube-HYD
28	104-9318	1	Bottle-Overflow
29	93-6681	1	Decal-Warning, Fan
30	32128-20	2	Nut-HF
40	340-66	1	Fitting-Straight
40:1	237-80	1	O-Ring
40:2	237-58	1	O-Ring
41	120-3531-03	1	Bracket-Radiator, LH
42	120-3532-03	1	Bracket-Radiator, RH
43	120-3530-03	1	Bracket-Radiator, Bottom
44	120-3529-03	1	Bracket-Radiator, Top



Rear Lift Arm and Carrier Frame Assembly

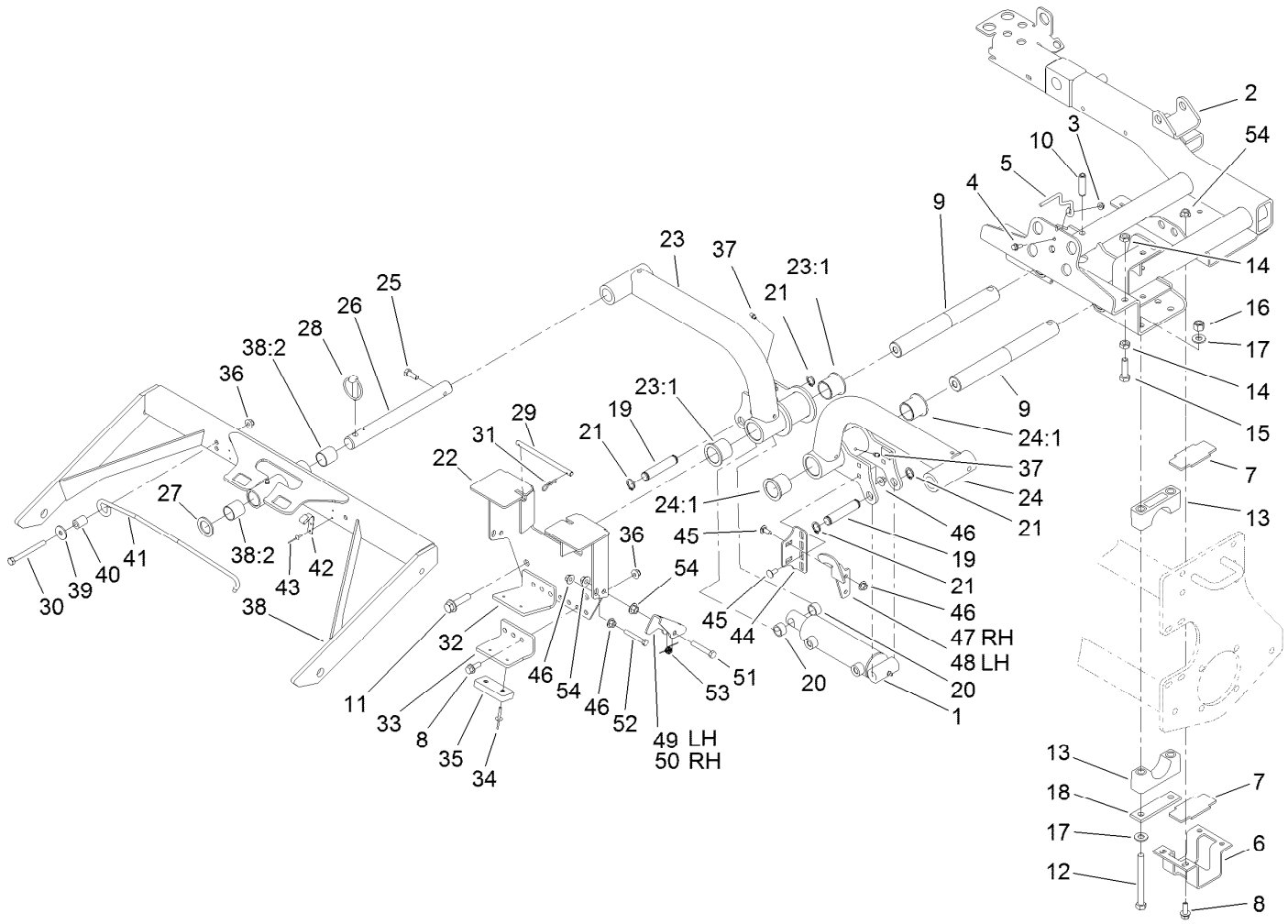
Ref.	Part Number	Qty.	Description
1	112-9916	1	HYD Cylinder ASM
2	3-6498	1	Washer-Thrust
3	95-8990	1	Shaft-Pivot, Rear
4	3220-9	1	Nut-Jam
5	86-1480	1	Washer
6	115-3473	1	Rear Liftarm ASM
6:1	69-6470	2	Bushing-Caster
6:3	302-5	1	Fitting-Grease
7	3234-27	1	Screw-HHF
8	75-7730	1	Washer-Thrust
10	100-4944	1	Shaft-Pivot, Cutting Unit
11	323-6	1	Screw-HH
12	323-4	1	Screw-HH
13	63-7400	1	Washer-Rebound

Ref.	Part Number	Qty.	Description
14	3-6781	1	Washer-Thrust
15	283-71	1	Pin-Lynch
16	104-0453-03	1	Guard
17	322-12	2	Screw-HH
18	322-3	2	Screw-HH
19	32128-20	4	Nut-HF
20	32120-93	3	Ring-Retaining
21	95-8575	1	Pin-Clevis
22	104-4229	1	Rear Carrier Frame ASM
22:2	108-4000	2	Bushing
23	95-8936	1	Strip-Wear
24	3269-18	4	Rivet-Blind
25	302-60	1	Fitting-Grease



Hydraulic Cylinder Assembly No. 112-9916

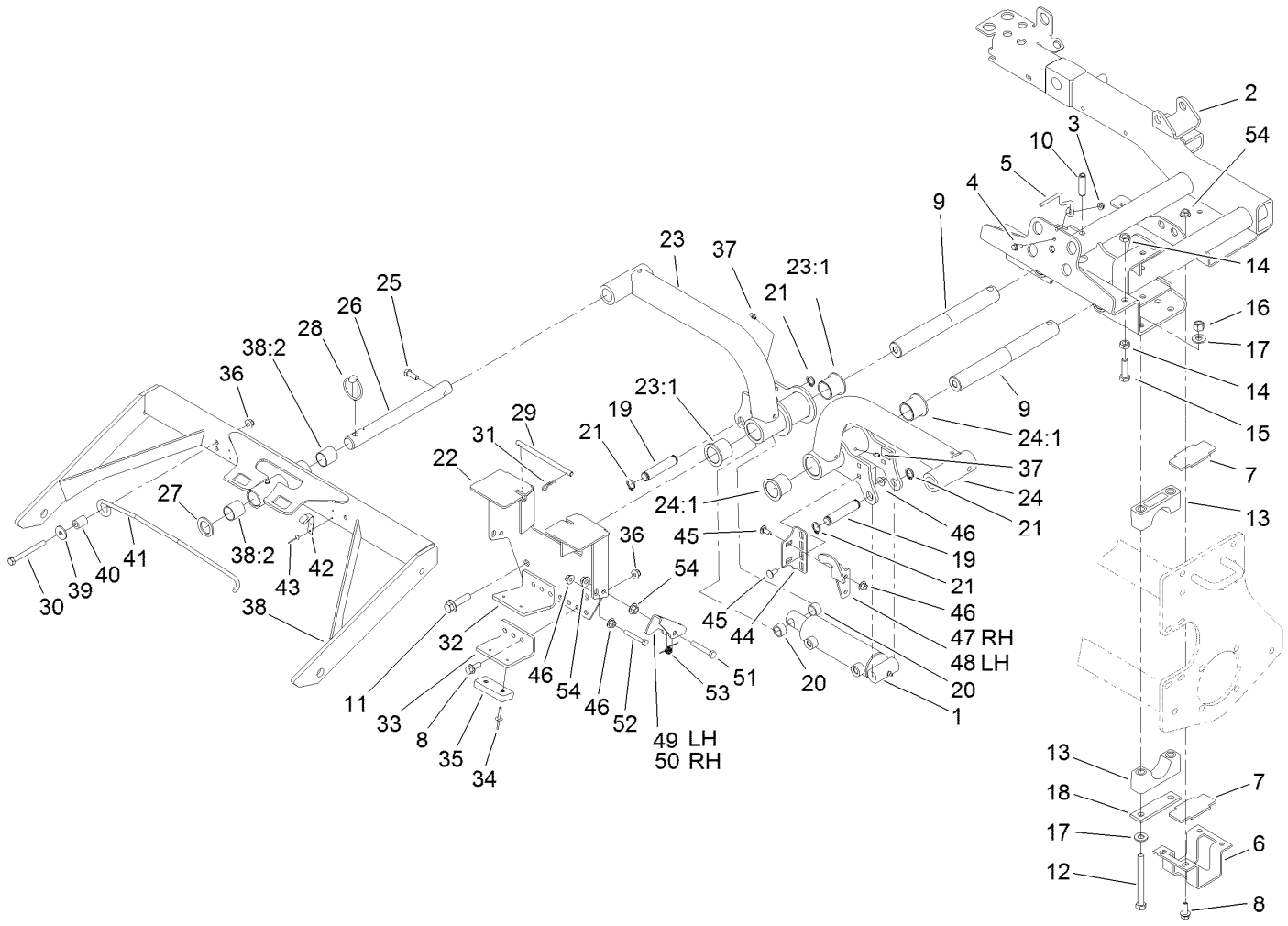
Ref.	*Part Number*	*Qty.*	*Description*
1	115-3410	1	Seal Kit
2	108-9035	1	Clevis
3	3220-7	1	Nut-Jam



Sidewinder Carrier Assembly

Ref.	Part Number	Qty.	Description
1	112-9916	1	HYD Cylinder ASM
2	100-4939-03	1	Carrier-Sidewinder
3	32128-33	1	Nut-HF
4	3234-4	1	Screw-HHF
5	99-3433	1	Wire-Center
6	104-0416-03	1	Bracket-Slide
7	104-0417	2	Slide-Plastic
8	3234-11	8	Screw-HHF
9	95-8531	2	Shaft-Pivot, Liftarm
10	32121-122	2	Pin-Roll
11	3234-27	2	Screw-HHF
12	325-19	8	Screw-HH
13	104-4865	8	Cap-Bearing
14	3218-5	4	Nut-Jam
15	325-7	2	Screw-HH
16	3296-23	8	Nut-Lock, NI
17	87-7270	16	Washer-Thrust
18	99-3373	4	Bar-Support, Slide
19	95-8575	2	Pin-Clevis
20	75-9590	2	Spacer-Cylinder
21	32120-93	4	Ring-Retaining

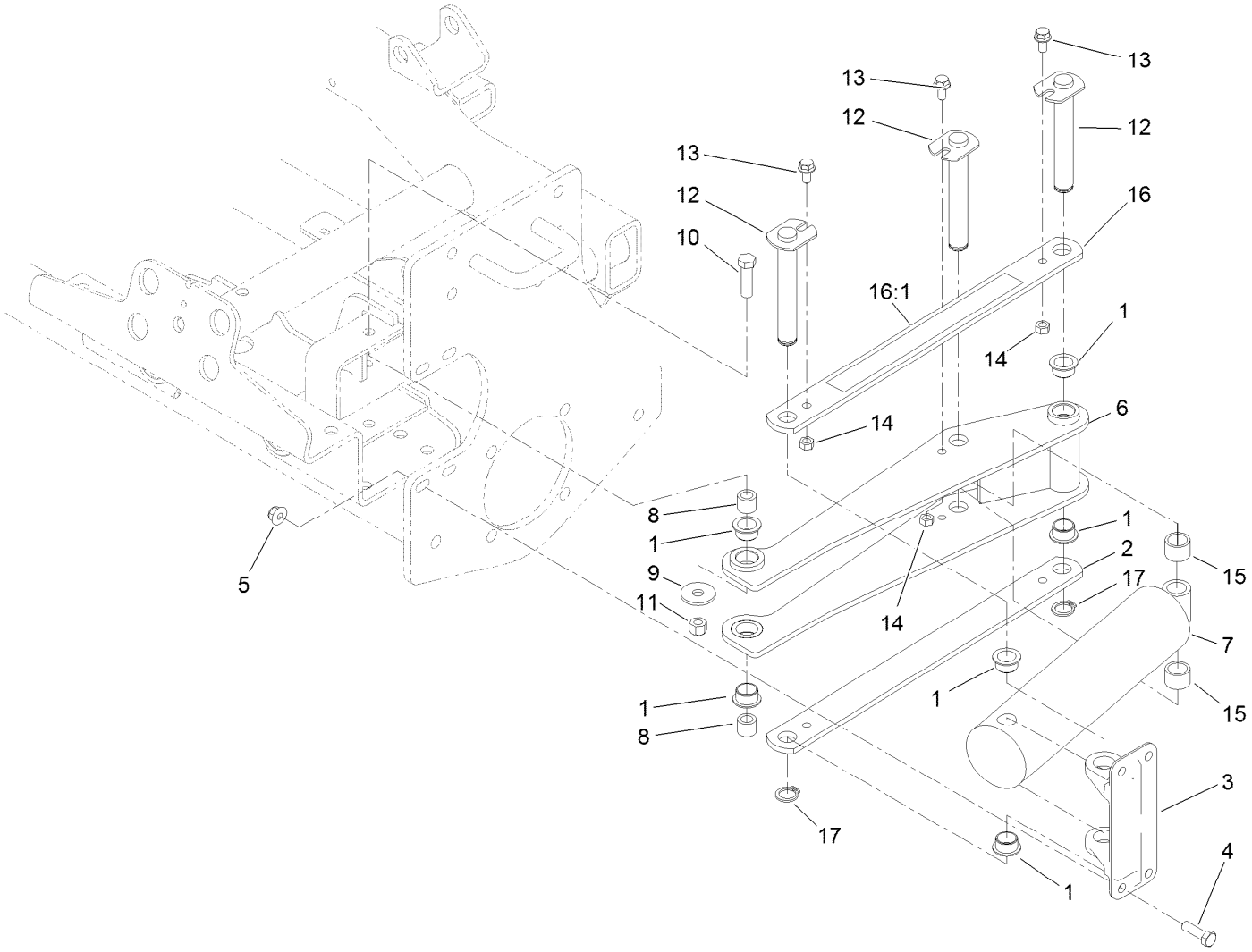
Ref.	Part Number	Qty.	Description
22	104-4820-03	1	Bracket-Stop, Carrier
23	115-3462	1	RH Liftarm ASM
23:1	69-6470	2	Bushing-Caster
24	115-3461	1	LH Liftarm ASM
24:1	69-6470	2	Bushing-Caster
25	323-6	2	Screw-HH
26	95-8979	2	Shaft
27	3-6781	2	Washer-Thrust
28	283-71	2	Pin-Lynch
29	104-0472	1	Rod
30	323-42	2	Screw-HH
31	3290-467	2	Pin-Hair
32	110-8793-03	1	Stop-Deck, RH
33	110-8794-03	1	Stop-Deck, LH
34	3269-11	4	Rivet-Pop
35	86-5350	2	Bumper-Rubber
36	104-8301	6	Nut-HF, NI
37	302-5	2	Fitting-Grease
38	110-8787	2	Front Carrier Frame ASM
38:2	108-4000	2	Bushing
39	93-8806	2	Washer-Hardened



Sidewinder Carrier Assembly (continued)

Ref.	Part Number	Qty.	Description
40	104-4613	2	Tube-Latch
41	104-4612	2	Rod-Latch
42	104-4237	2	Clip-Rod
43	3290-271	4	Rivet-Pop
44	104-4828-03	2	Bracket-Actuator
45	3230-23	8	Bolt-CARR
46	32128-44	12	Nut
47	104-4826-03	1	Actuator-RH

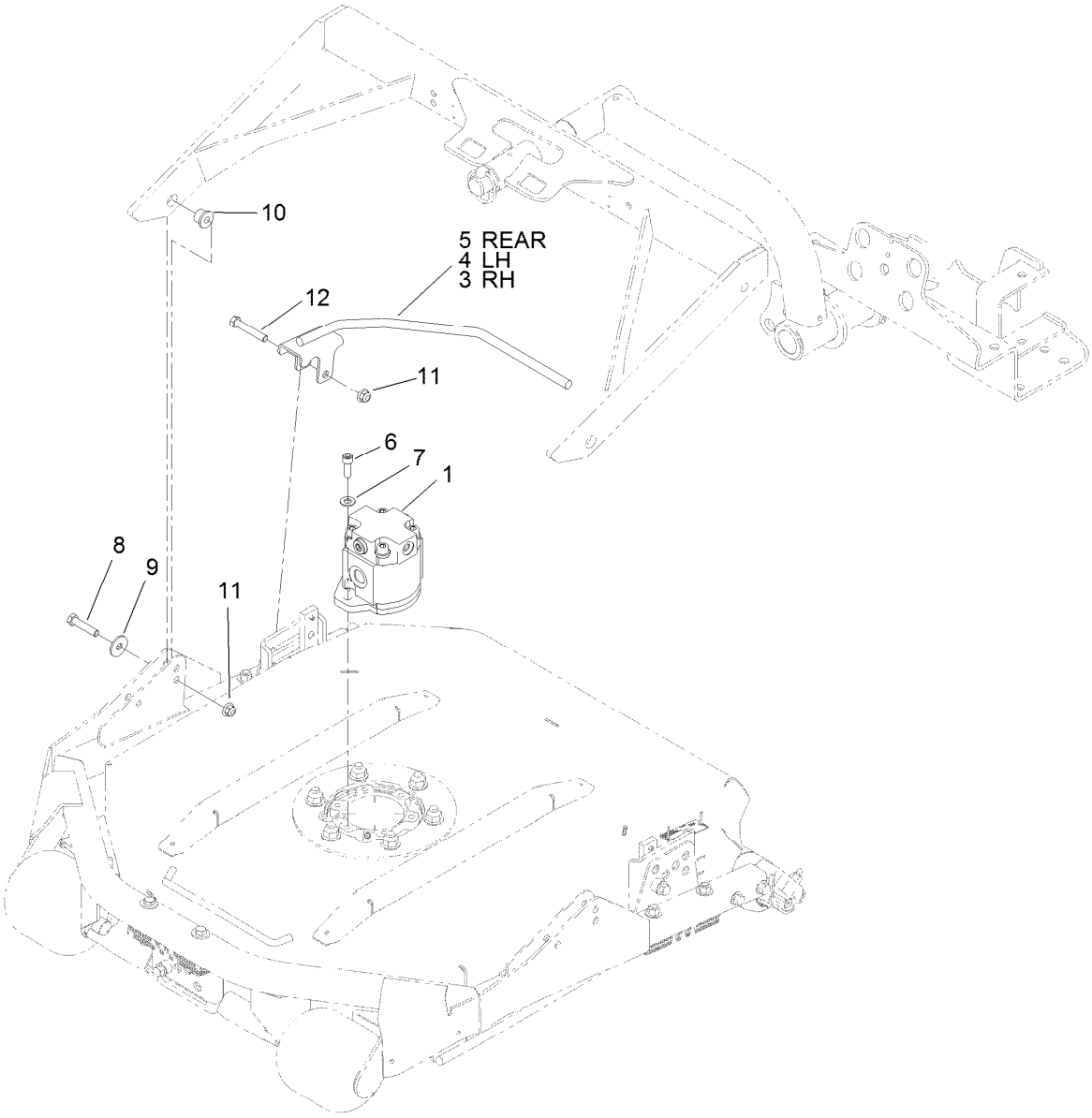
Ref.	Part Number	Qty.	Description
48	104-4827-03	1	Actuator-LH
49	104-4819-03	1	Bracket-Pivot, LH
50	104-4825-03	1	Bracket-Pivot, RH
51	323-11	2	Screw-HH
52	322-11	2	Screw-HH
53	104-4821	2	Spring-Torsion
54	32128-43	8	Nut-Flange



Scissor Frame and Link Assembly

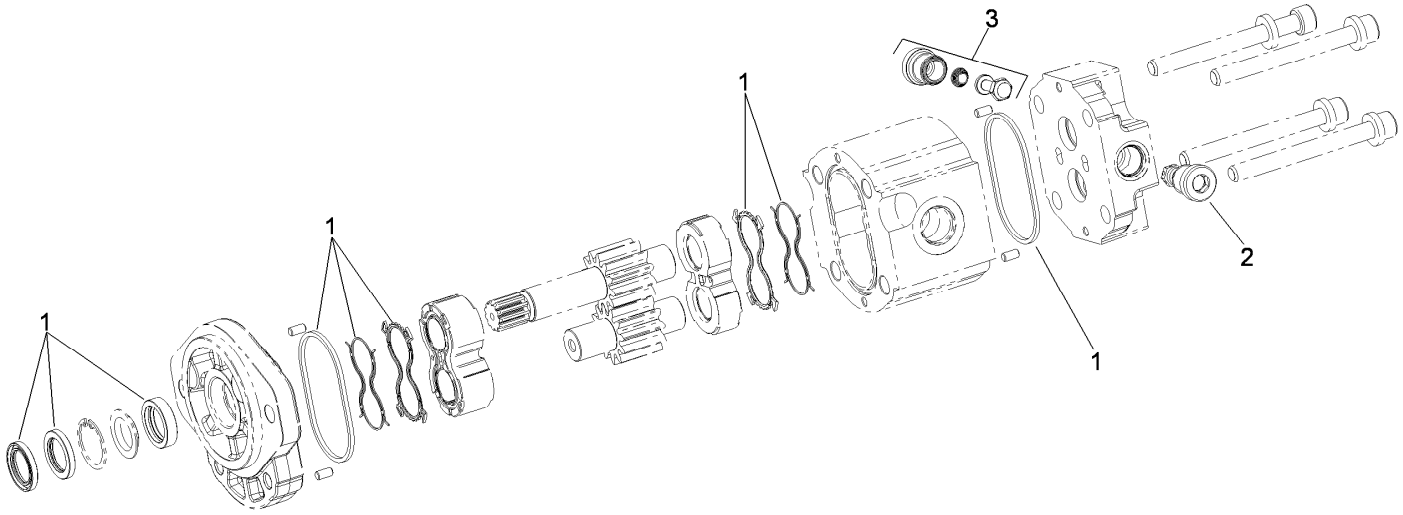
Ref.	Part Number	Qty.	Description
1	95-8526	6	Bushing-Plastic
2	95-8527-03	1	Link-Scissor
3	95-8883	1	Mount-Scissor
4	323-7	4	Screw-HH
5	104-8301	4	Nut-HF, NI
6	95-8521-03	1	Frame-Scissor
7	95-8512	1	Cylinder-HYD
8	95-8603	2	Spacer
9	87-5330	2	Washer

Ref.	Part Number	Qty.	Description
10	324-6	2	Screw-HH
11	3296-48	2	Nut-Hex
12	95-8529	3	Pin
13	3234-14	3	Screw-HHF
14	32152-1	3	Nut-Lock, Cone
15	46-6350	2	Spacer
16	99-3505	1	Scissors Link ASM
16:1	94-3353	1	Decal-Point, Pinch
17	32120-93	2	Ring-Retaining



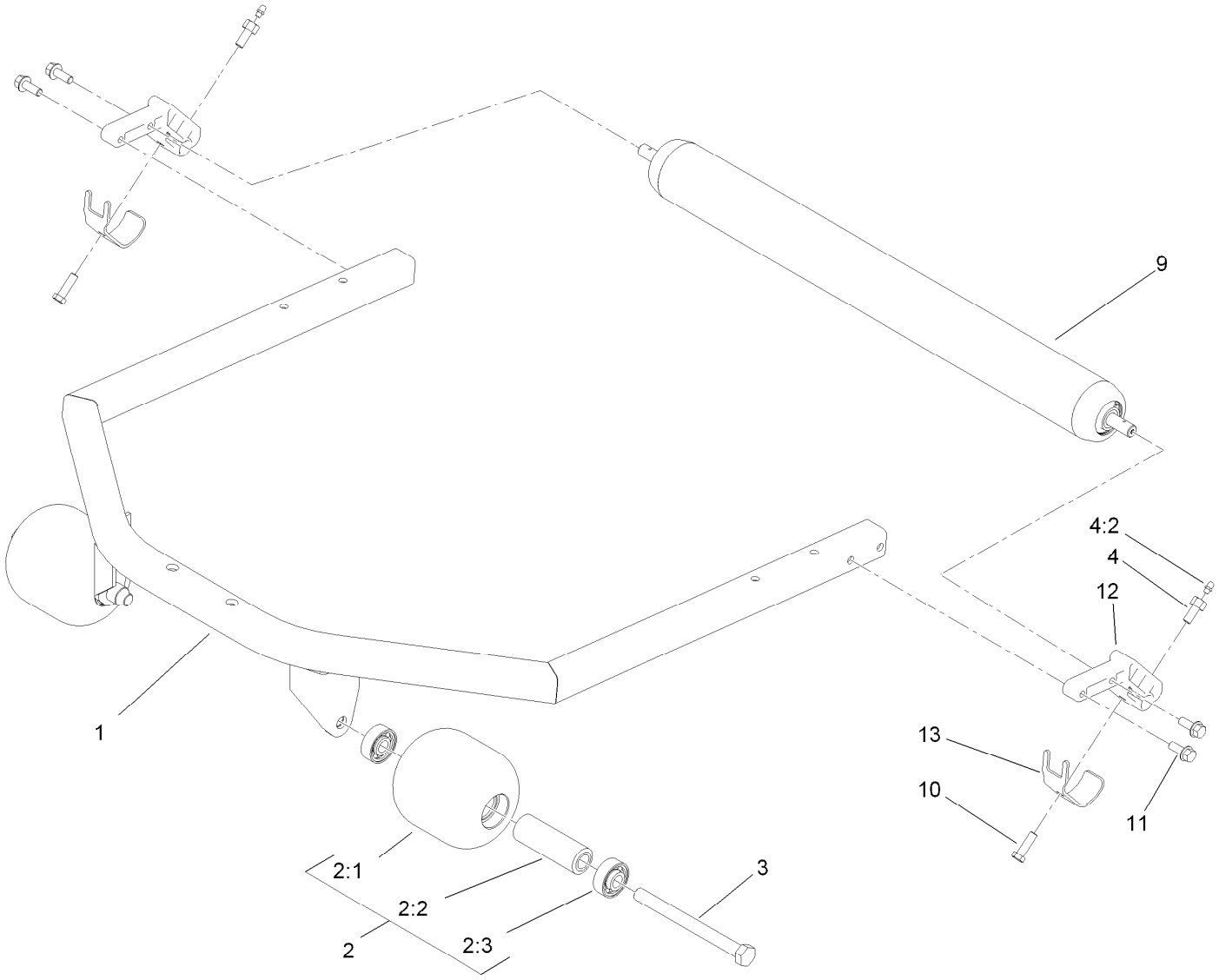
Hydraulic Motor and Cutting Unit Assembly

Ref.	*Part Number*	*Qty.*	*Description*
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-Flat
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



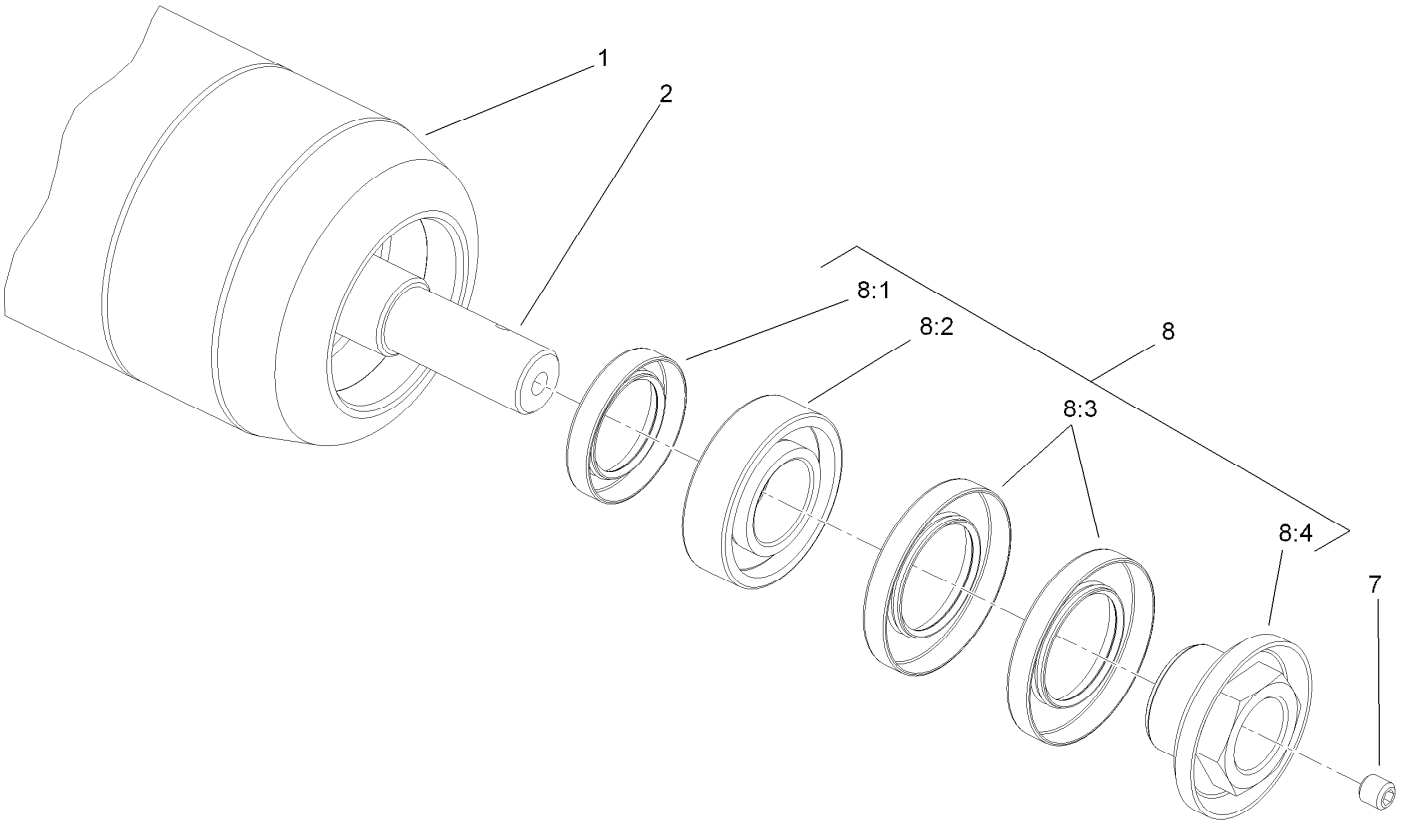
Gear Motor Assembly No. 117-5141

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



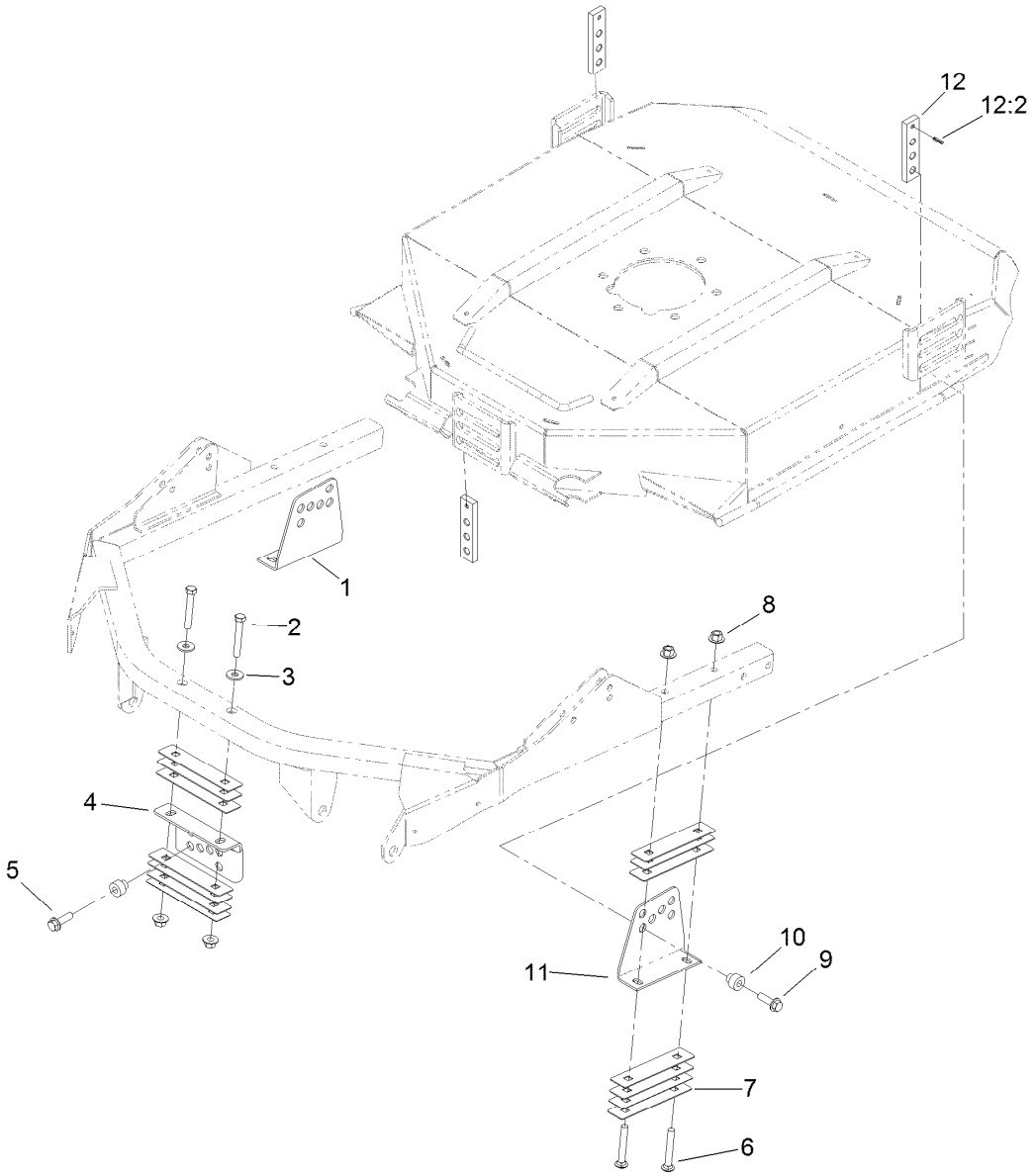
Roller and Carrier Frame Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	100-5780-03	1	Frame-Deck
2	115-3418	2	Roller ASM
2:1	104-1093	1	Roller
2:2	100-5762	1	Spacer-Bearing
2:3	120-3366	2	Bearing
3	327-15	2	Screw-HH
4	112-5270	2	Roller Shaft Screw ASM
4:2	302-5	1	Fitting-Grease
9	112-5265	1	Roller ASM
10	323-7	2	Screw-HH
11	3234-11	4	Screw-HHF
12	112-5268	2	Mount-Roller
13	107-7816	2	Bracket-Skid



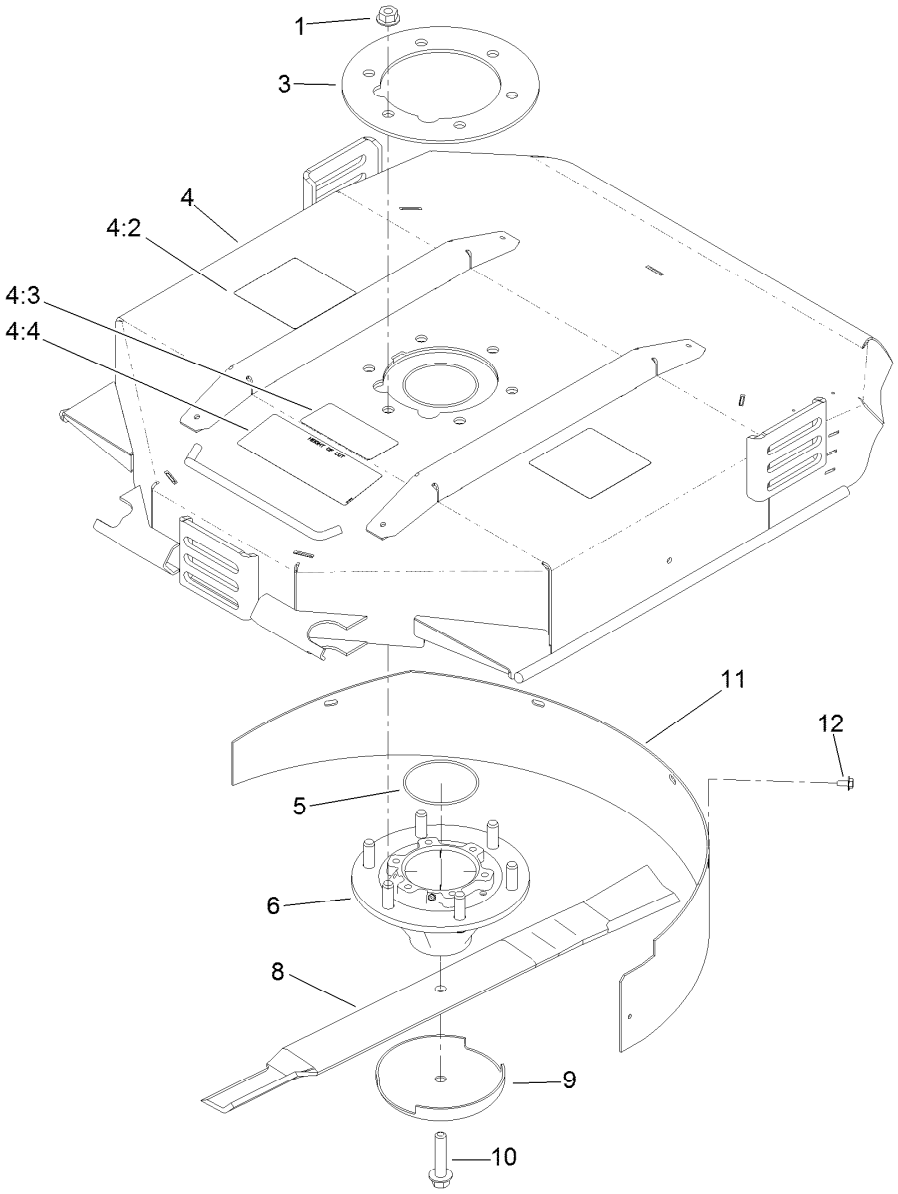
Roller Assembly No. 112-5265

Ref.	*Part Number*	*Qty.*	*Description*
1	112-5274-03	1	Tube ASM
2	117-5100	1	Shaft-Roller, Rear
7	108-0989	2	Screw-Set
8	114-5430	1	Roller Rebuild Kit
8:1	114-3717	2	Seal-Oil
8:2	112-5290	2	Bearing-Steel, Stainless
8:3	112-7494	4	Seal
8:4	114-5411	2	Nut-Lock, Bearing



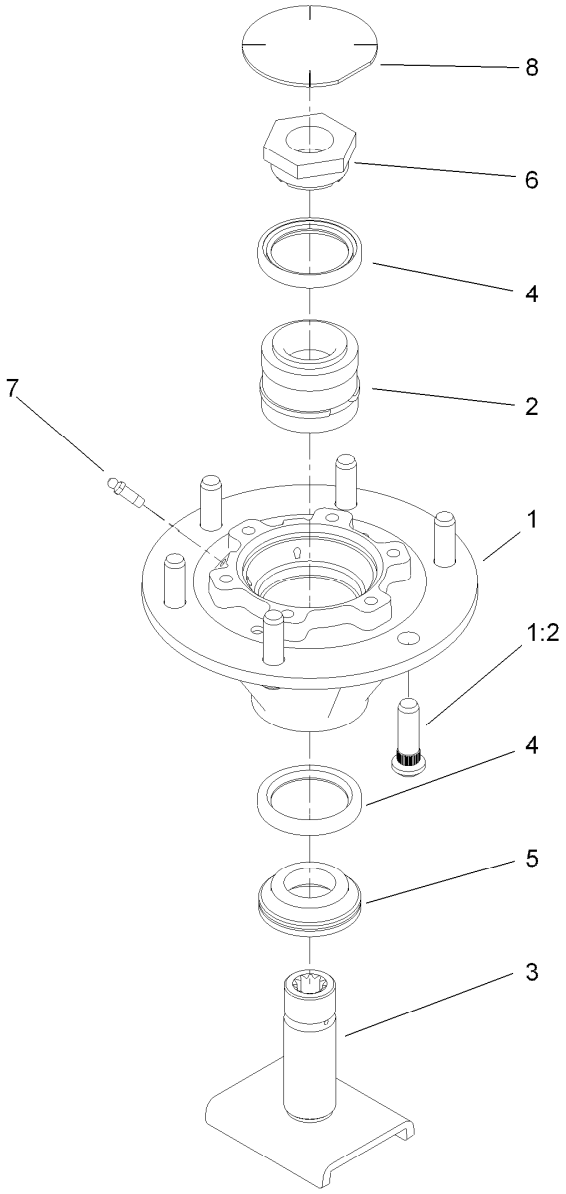
Height-of-Cut Bracket Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	100-5797-03	1	Bracket-HOC, RH
2	323-12	2	Screw-HH
3	80-6990	2	Washer-Hardened
4	104-1052-03	1	Bracket-HOC, Front
5	100-5799	18	Shim-HOC, .060 Inch
6	3231-9	4	Screw-CARR
7	104-4641	3	Shim-HOC, .030 Inch
8	32128-43	6	Nut-Flange
9	3234-24	3	Screw-HHF
10	105-9226	3	Spacer-HOC
11	104-4624-03	1	Bracket-HOC, LH
12	105-9225	3	HOC Plate ASM
12:2	32121-3	1	Pin-Spring



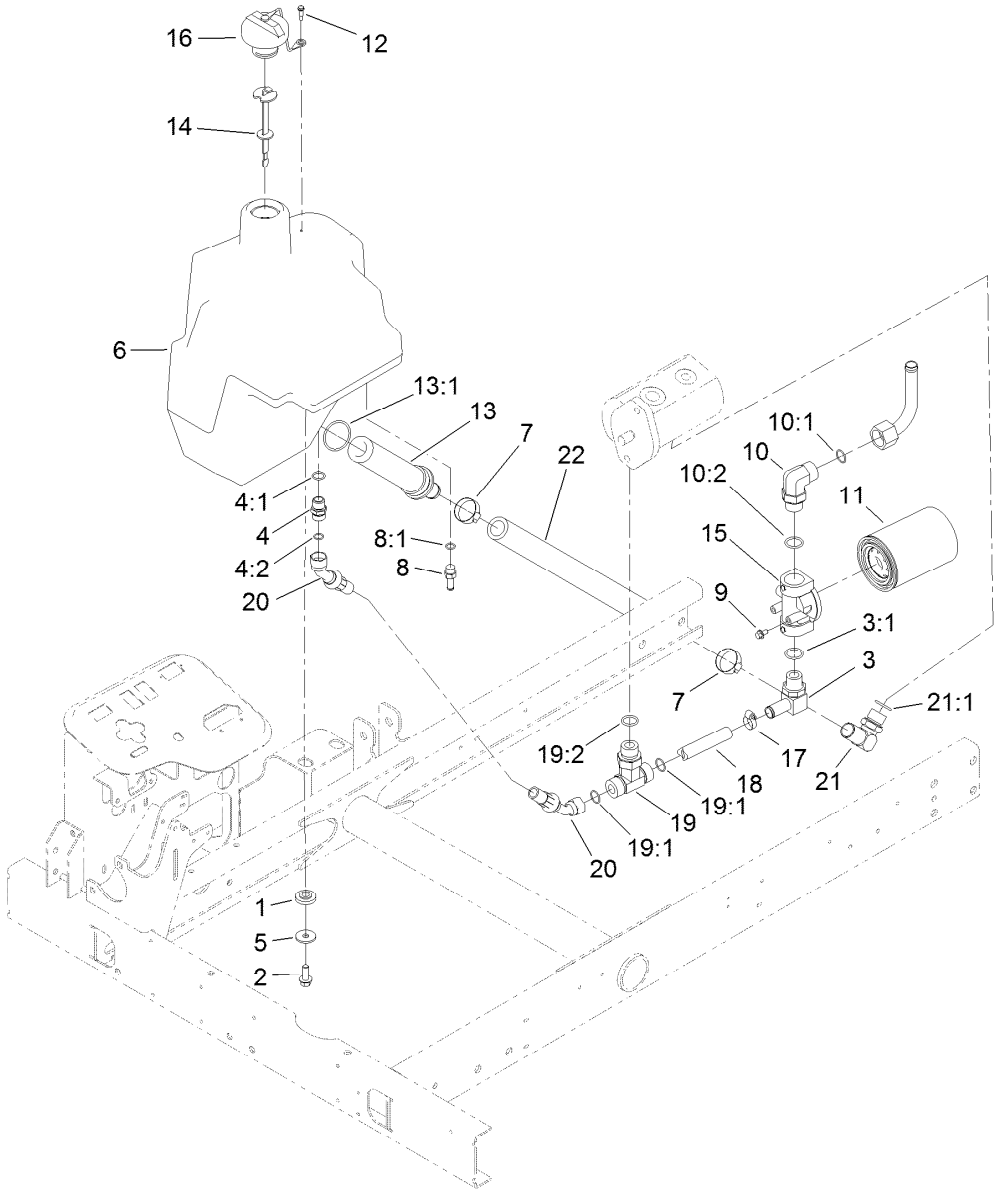
Chamber, Blade and Spindle Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	32128-39	6	Nut-HHF
3	104-1051-03	1	Plate-Spindle
4	115-3479	1	Chamber ASM
4:2	117-4764	2	Decal-Danger
4:3	93-7818	1	Decal-Torque, Blade Bolt
4:4	104-1086	1	Decal-HOC
5	237-161	1	O-Ring
6	115-3435	1	Spindle ASM
8	107-0235-03	1	Blade-Atomic
8	108-9026-03	1	Blade-Combo
9	72-9361	1	Cup-Scalp, Anti
10	92-5816	1	Bolt-Blade
11	108-9025-01	1	Baffle-Mulching
12	46-8560	5	Screw-HHFTF



Spindle Assembly No. 115-3435

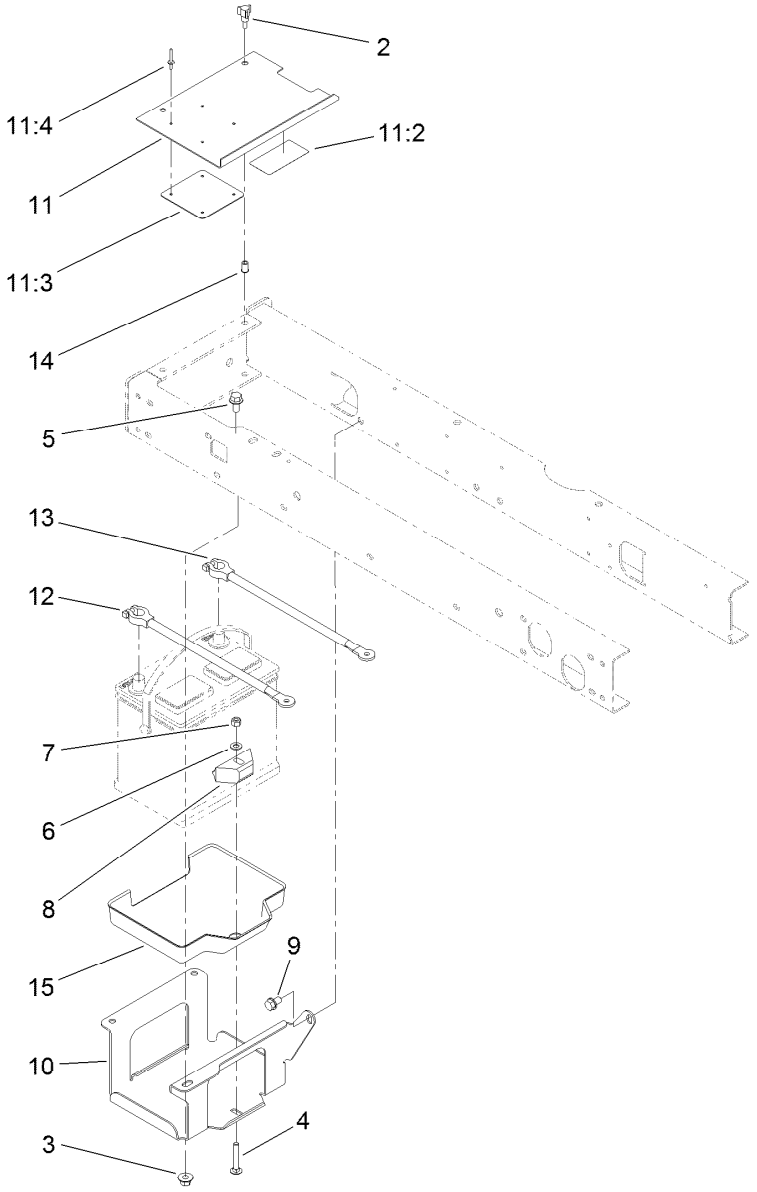
Ref.	*Part Number*	*Qty.*	*Description*
1	115-3434	1	Spindle
1:2	10-6830	6	Stud-Type, Drive
2	100-5703	1	Spacer And Bearing ASM
3	100-5705	1	Spindle Shaft ASM
4	253-154	2	Seal-Oil
5	69-6950	1	Spacer-Shaft, Spindle
6	100-5709	1	Nut-Spindle, Spcl
7	302-62	2	Fitting-Grease
8	94-2703	1	Plug



Hydraulic Tank and Filter Assembly

Ref.	Part Number	Qty.	Description
1	240-11	4	Bushing-Flange
2	3234-11	4	Screw-HHF
3	353-987	1	Fitting-Elbow, 90
3:1	237-81	1	O-Ring
4	100-4890	1	Fitting-Check
4:1	237-79	1	O-Ring
4:2	237-30	1	O-Ring
5	63-8410	4	Washer
6	104-4840	1	Tank-HYD
7	2412-34	2	Clamp-Hose
8	353-979	1	Fitting-STR
8:1	237-42	1	O-Ring
9	3234-13	2	Screw-HHF
10	340-142	1	Fitting-Elbow, 90 DEG
10:1	237-58	1	O-Ring
10:2	237-81	1	O-Ring

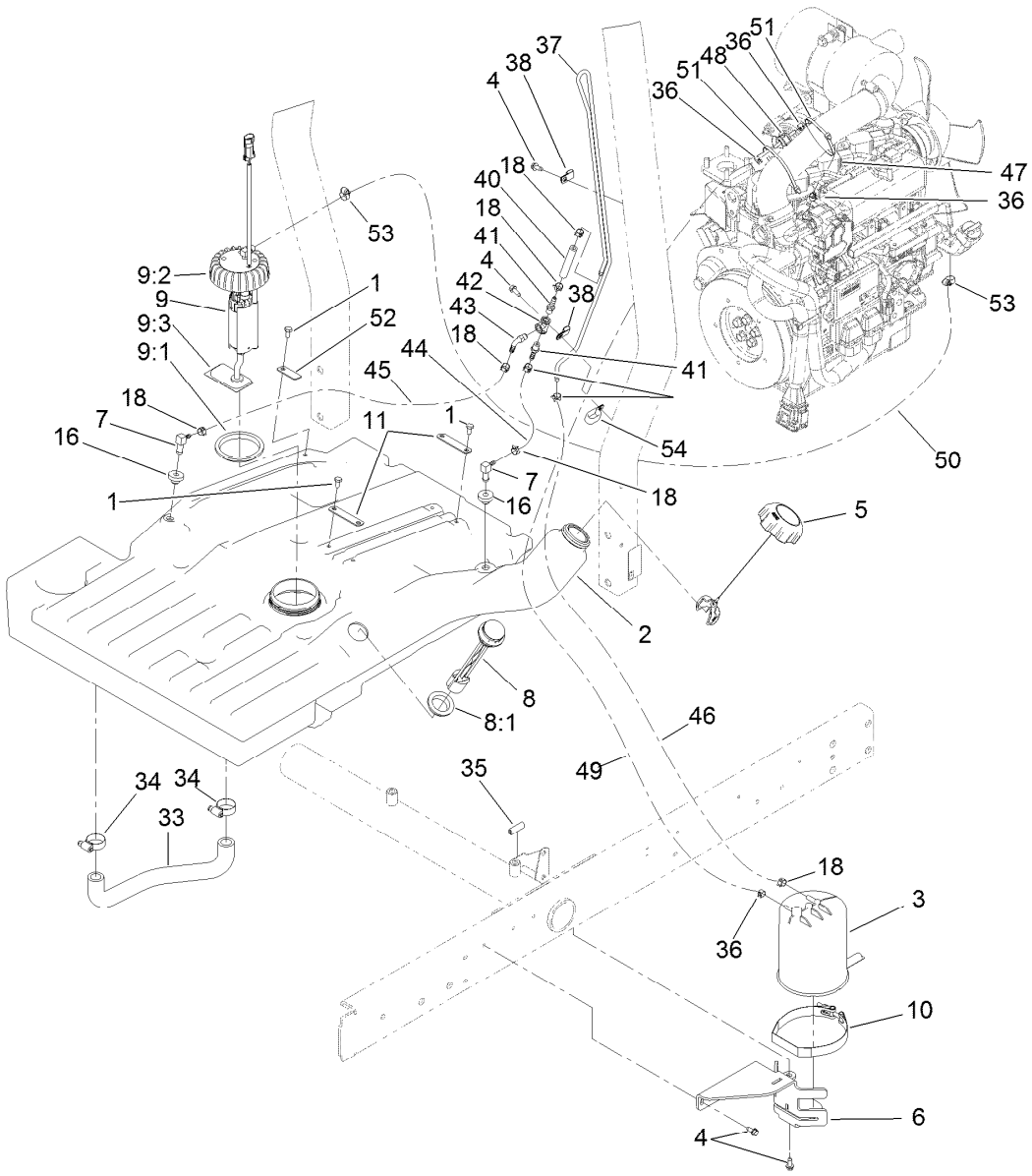
Ref.	Part Number	Qty.	Description
11	86-3010	1	Filter-Oil
12	57-5420	1	Screw-Shoulder
13	104-7546	1	Tank Strainer ASM
13:1	340-136	1	O-Ring
14	119-6968	1	Dipstick-Oil
15	92-5821	1	Head-Filter
16	93-7160	1	Cap-Oil, HYD
17	2412-36	1	Clamp-Hose
18	104-0486	1	Hose-HYD
19	104-4836	1	Fitting-Tee
19:1	237-58	2	O-Ring
19:2	237-81	1	O-Ring
20	120-3541	1	Hose-HYD
21	95-3502	1	Fitting-Elbow 90
21:1	237-81	1	O-Ring
22	117-3200	1	Hose-Suction



Battery Assembly

Ref.	Part Number	Qty.	Description
2	233-70	2	Knob-Star, Three
3	32128-43	3	Nut-Flange
4	3230-6	1	Bolt-CARR
5	3234-1	3	Screw-HHF
6	3256-23	1	Washer-Plain
7	3296-29	1	Nut-Lock, NI
8	66-2490	1	Retainer-Battery
9	32144-15	1	Screw-HHFTF
10	95-8796-03	1	Support-Battery

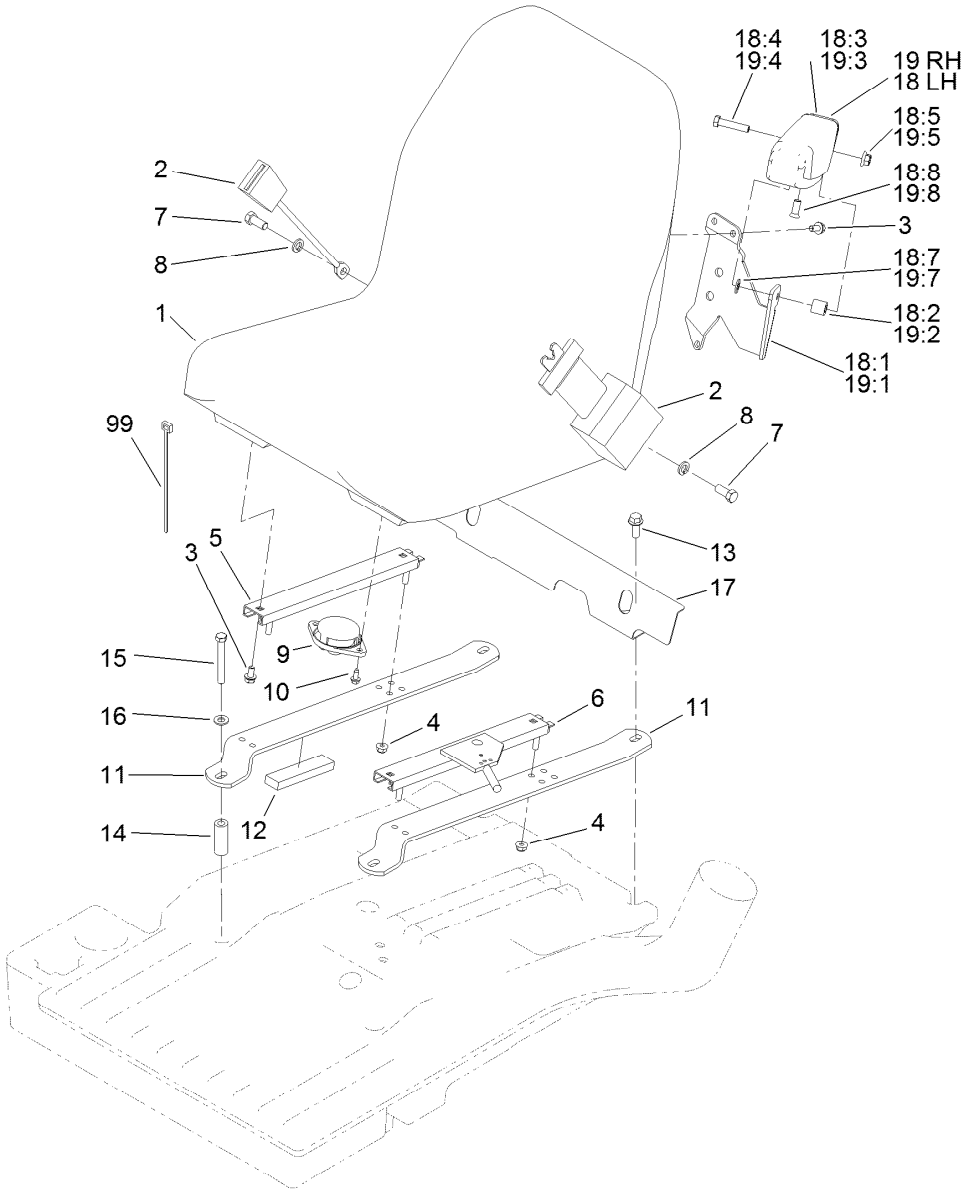
Ref.	Part Number	Qty.	Description
11	99-3602	1	Battery Cover ASM
11:2	93-7276	1	Decal-Danger
11:3	87-7620	1	Shield-Terminal, Battery
11:4	3269-27	4	Rivet-Snap
12	95-8853	1	Cable-Battery, Positive
13	95-8854	1	Cable-Battery, Negative
14	32148-6	2	Nut-Clinch
15	99-3513	1	Tray-Battery



Fuel Tank Assembly

Ref.	Part Number	Qty.	Description
1	321-2	5	Screw-HH
2	120-3546	1	Tank-Fuel
3	116-1442	1	Canister-Carbon, 1200Cc
4	32144-10	5	Screw-HWH
5	115-7788	1	Cap-Fuel
6	120-3543-03	1	Support-Bracket, Carbon Canister
7	104-5228	2	Fitting-Elbow, 90 DEG
8	120-3535	1	Fuel Gauge ASM
8:1	121-3544	1	Seal-Fuel Gauge
9	121-3502	1	Fuel Pump ASM
9:1	115-2163	1	Gasket-Pump, Fuel
9:2	115-2162	1	Cap-Pump, Fuel
9:3	121-3613	1	Fuel Pump Filter Kit
10	116-2228	1	Clamp, T-Bolt
11	121-3514	2	Strap-Line, Fuel
16	46-6560	2	Bushing
18	2412-98	8	Clamp-Hose
33	105-4094	1	Hose-Formed
34	2412-129	2	Clamp-Hose

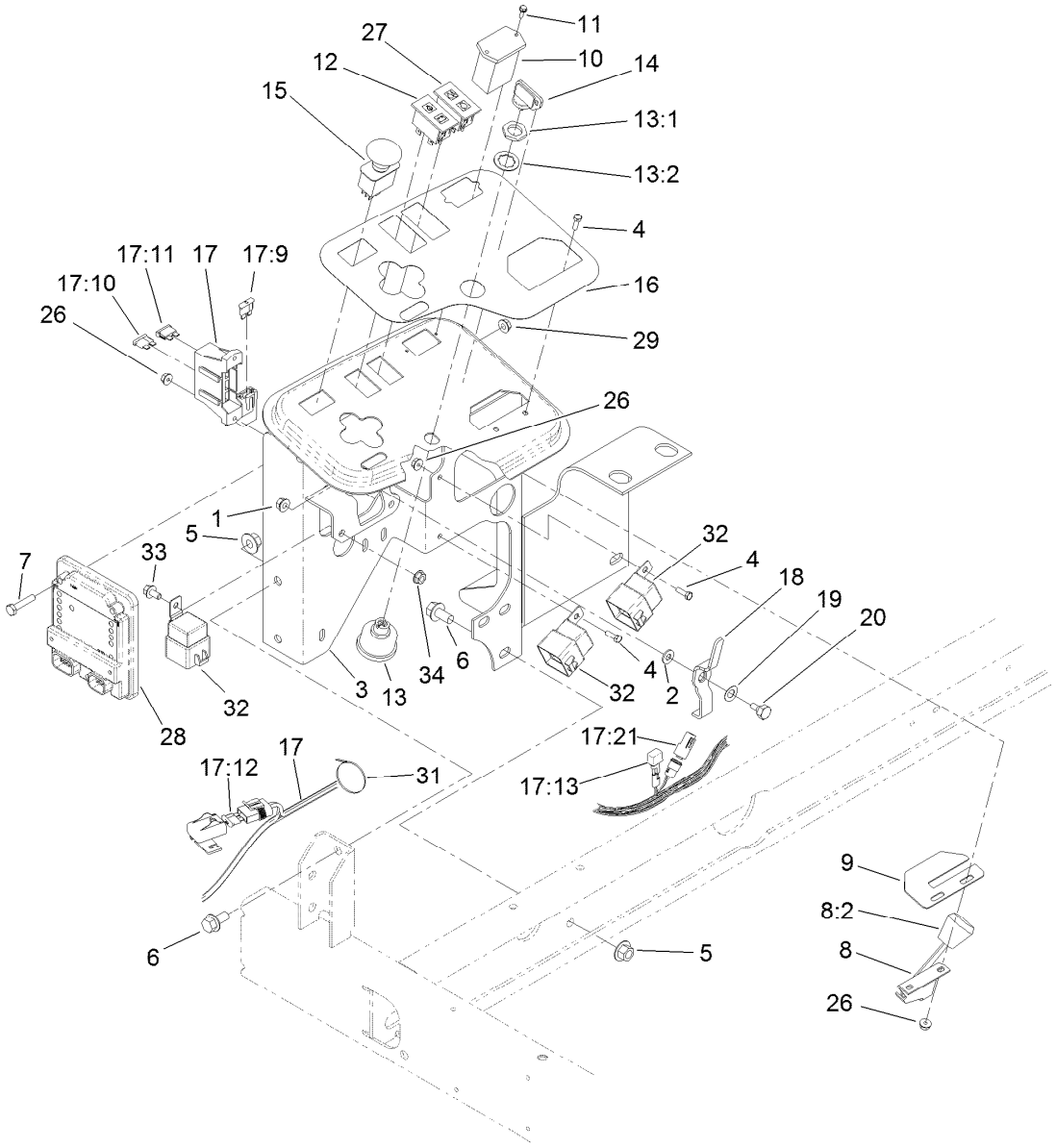
Ref.	Part Number	Qty.	Description
35	110-8754	1	Trim
36	2412-80	6	Clamp-Hose
37	121-3515	1	Tube-Vent, Fuel
38	121-3516	2	Clamp-R
40	114-3765	1	Hose-Fuel
41	94-7220	2	Fitting-Barb, Hose
42	354-20	1	Fitting-Tee
43	116-1153	1	Elbow-90 DEG, Barbed
44	110-3255	1	Hose-Fuel
45	121-3547	1	Hose-Fuel
46	110-1876	1	Hose-Fuel
47	51-3217	1	Hose-Fuel
48	115-7868	1	Valve-Check, Vacuum
49	110-3958	1	Hose-Fuel
50	109-0290	1	Hose-Fuel
51	3290-379	6	Tie-Cable
52	121-3536	1	Strap-Vent
53	2412-108	2	Clamp-Worm
54	95-4187	1	Clamp-Tube



Seat Assembly

Ref.	Part Number	Qty.	Description
1	104-4620	1	Seat
2	100-4928	1	Belt-Seat
3	3234-14	6	Screw-HHF
4	104-8300	4	Nut-HF, NI
5	92-8990	1	Adjuster-Seat, Non-Locking
6	92-8991	1	Adjuster (W/Latch)
7	3212-4	2	Screw-HH
8	3253-6	2	Washer-Lock
9	92-6282	1	Switch-Seat
10	32144-10	2	Screw-HWH
11	104-0467-03	2	Strap-Support, Seat
12	95-8896	2	Foam
13	3234-11	2	Screw-HHF
14	104-0466	2	Spacer
15	323-14	2	Screw-HH
16	3256-24	2	Washer-Flat
17	104-4833-03	1	Shield-Heat

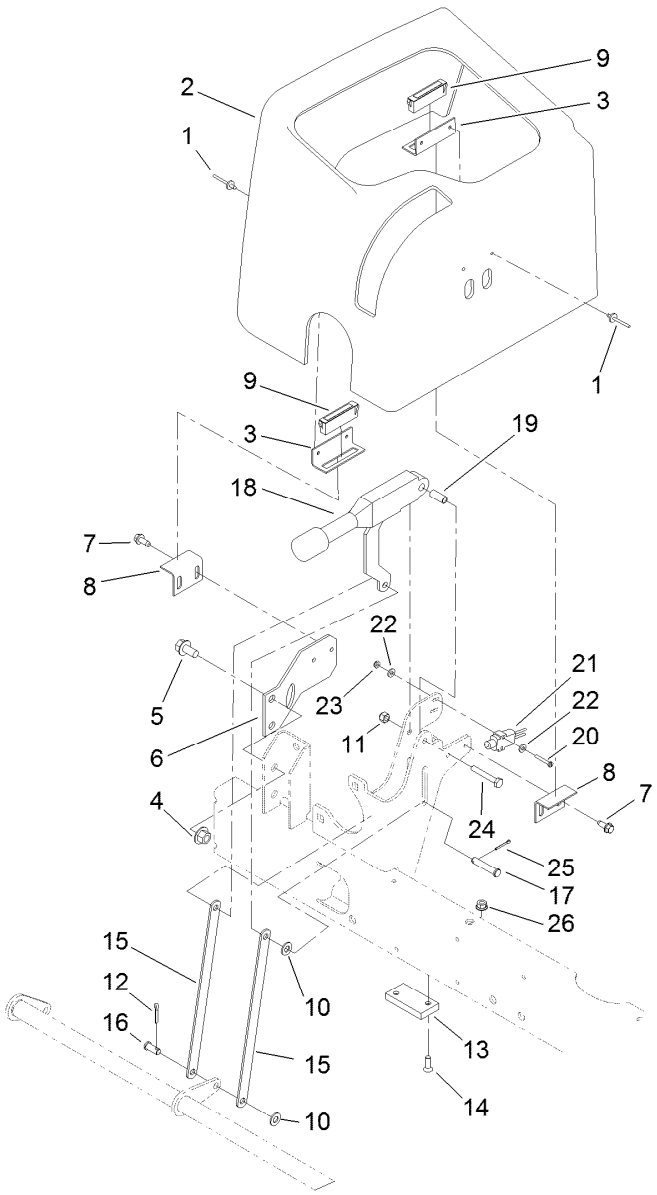
Ref.	Part Number	Qty.	Description
18	92-7307	1	LH Armrest ASM
18:1	69-0760	1	Bracket-Arm, LH
18:2	92-7301	1	Spacer
18:3	69-1180	1	Armrest
18:4	323-9	1	Screw-HH
18:5	32128-19	1	Nut-HF Lock,Large Flg
18:7	3256-24	1	Washer-Flat
18:8	92-7318	1	Screw
19	92-7306	1	RH Armrest ASM
19:1	69-0770	1	Bracket-Arm, RH
19:2	92-7301	1	Spacer
19:3	69-1180	1	Armrest
19:4	323-9	1	Screw-HH
19:5	32128-19	1	Nut-HF Lock,Large Flg
19:7	3256-24	1	Washer-Flat
19:8	92-7318	1	Screw
99	3290-378	1	Tie-Cable



Control Panel Assembly

Ref.	Part Number	Qty.	Description
1	32128-32	1	Nut-HHF
2	3256-22	1	Washer-Flat
3	115-3496-03	1	Panel-Control
4	3290-134	4	Screw
5	32128-43	5	Nut-Flange
6	3234-1	5	Screw-HHF
7	321-8	3	Screw-HH
8	122-0056	1	Throttle-Electronic
8:2	66-0120	1	Knob
9	104-0421	1	Plate-Stop, Throttle
10	75-6820	1	Hourmeter
11	32144-18	2	Screw-HWH
12	100-8070	1	Lamp-Warning
13	104-2541	1	Ignition Switch ASM
13:1	218-461	1	Nut-HH
13:2	3254-5	1	Washer-Lock
14	63-8360	2	Key-Ignition
15	93-9999	1	Switch-PTO
16	121-3531	1	Decal-Console

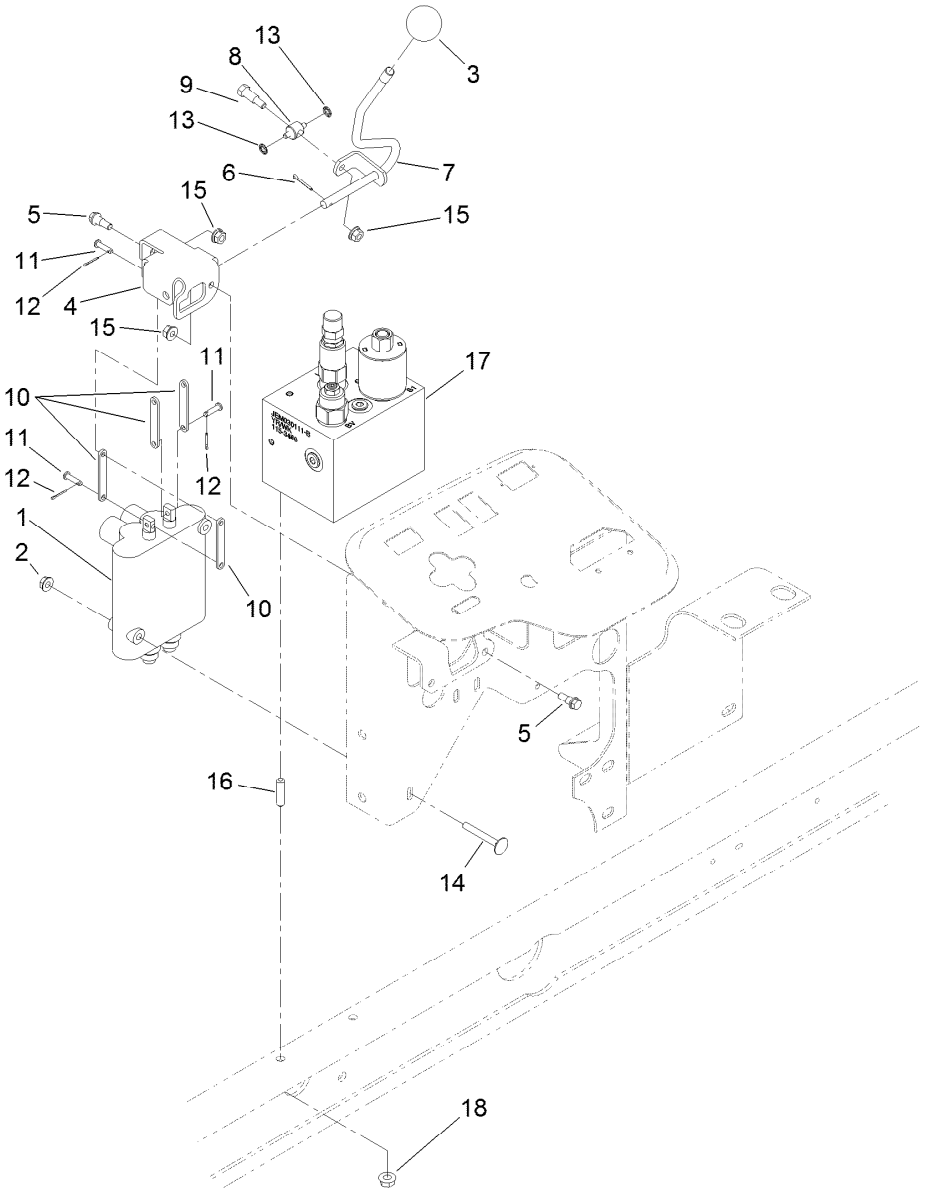
Ref.	Part Number	Qty.	Description
17	120-6392	1	Harness-Wire
17:9	94-6710	1	Fuse-2 Amp
17:10	218-578	2	Fuse-Blade, 10 Amp
17:11	109355	1	Fuse-Blade, 15 Amp
17:12	109101	1	Fuse-Blade, 20 Amp
17:13	100-4918	2	Diode
17:21	32180-043	1	Resistor-120 Ohm
18	99-3401-03	1	Lever-Valve, Lock
19	3290-477	1	Washer-Curved
20	63-3410	1	Screw-Shoulder
26	3290-148	4	Nut-HF
27	121-3508	1	Light Cluster
28	106-9277	1	Module-Control, Standard
29	32128-33	3	Nut-HF
31	3290-379	1	Tie-Cable
32	99-7430	3	Relay-Mini
33	3234-13	1	Screw-HHF
34	32128-33	1	Nut-HF



Parking Brake and Dash Cover Assembly

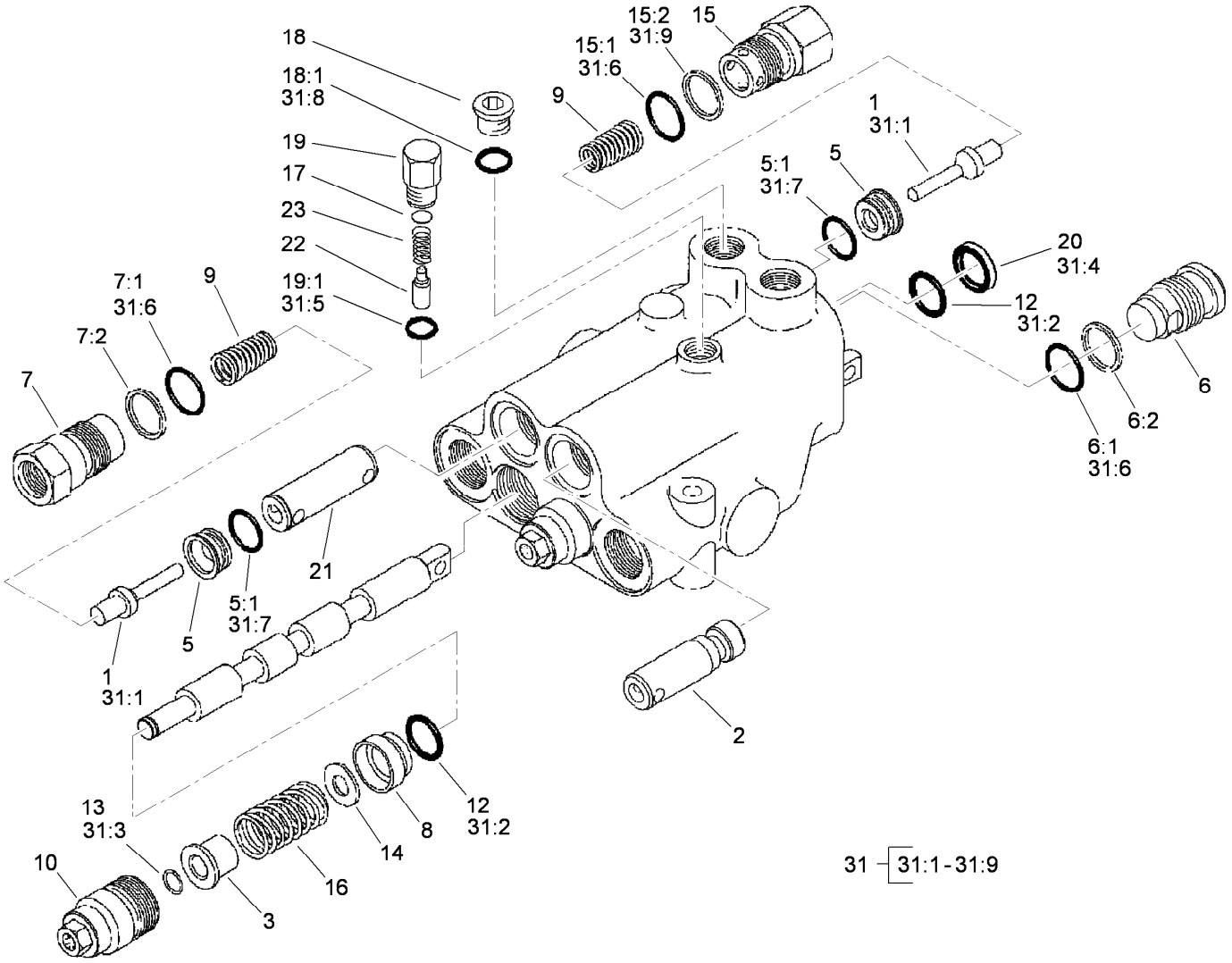
Ref.	Part Number	Qty.	Description
1	3269-5	4	Rivet-Pop
2	95-8707	1	Cover-Dash
3	95-8763	2	Bracket-Hold Down, Cover
4	32128-43	2	Nut-Flange
5	3234-1	2	Screw-HHF
6	95-8764-03	1	Support-Magnet
7	32144-10	4	Screw-HWH
8	95-8765	2	Bracket-Strike, Magnet
9	58-4250	2	Catch-Magnetic
10	3256-23	3	Washer-Plain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

Ref.	Part Number	Qty.	Description
14	3289-4	2	Screw-FH
15	104-4628-03	2	Link-Brake, Parking
16	283-62	1	Pin-Clevis
17	94-3829	1	Pin-Clevis
18	104-4817	1	Lever-Brake
19	87-4710	1	Spacer-Brake, Parking
20	32105-9	2	Screw
21	95-8900	1	Switch
22	3256-21	4	Washer-Flat
23	3296-9	2	Nut-Hex
24	321-10	1	Screw-HH
25	3272-6	1	Pin-Cotter
26	32128-32	2	Nut-HHF



2-Spool Control Valve Assembly

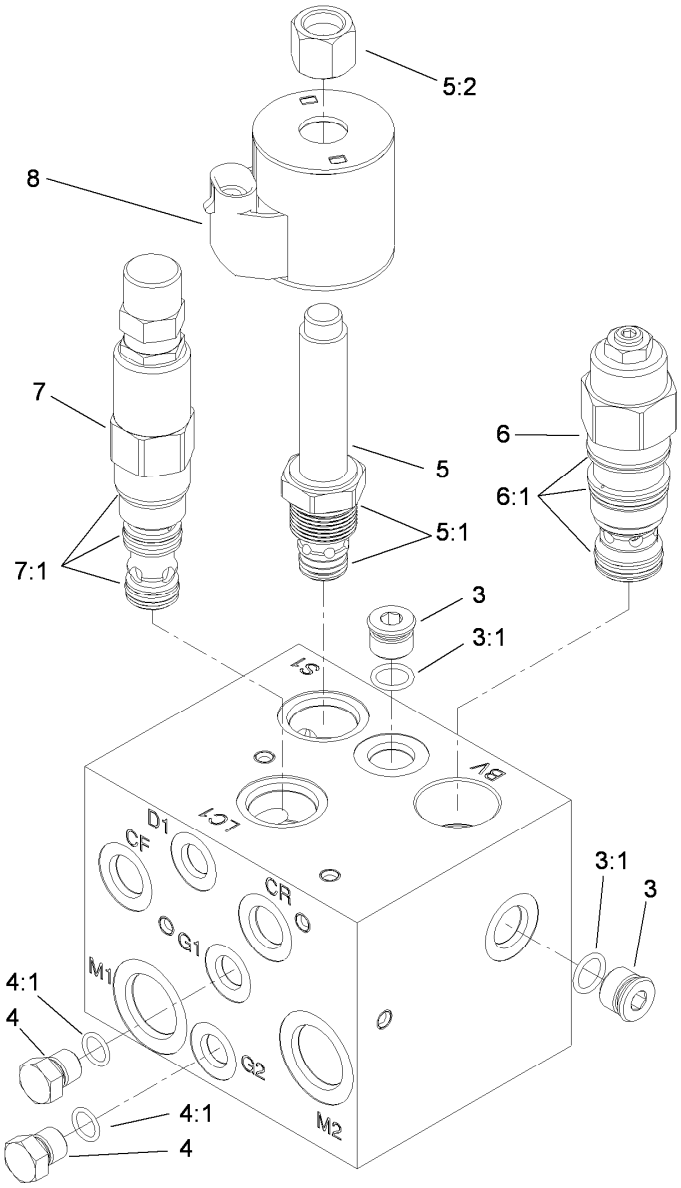
Ref.	Part Number	Qty.	Description
1	95-8581	1	2-Spool Control Valve ASM
2	32128-33	2	Nut-HF
3	233-42	1	Knob
4	95-8633	1	Bracket-Valve, Actuator
5	42-3560	2	Bolt-Shoulder
6	3272-6	1	Pin-Cotter
7	95-8635	1	Lever-Valve
8	95-8638	1	Trunnion-Valve, Actuator
9	92-8916	1	Bolt-Shoulder
10	95-8634	4	Link
11	283-16	3	Pin-Clevis
12	3272-1	3	Pin-Cotter
13	32151-106	2	Ring-Retaining
14	3230-33	2	Screw-CARR
15	32128-32	3	Nut-HHF
16	104-0430	2	Stud
17	115-3486	1	Manifold Block ASM
18	104-8300	2	Nut-HF, NI



2-Spool Control Valve Assembly No. 95-8581

Ref.	Part Number	Qty.	Description
1	58-6290	3	Poppet
2	69-1840	1	Plunger
3	58-6310	2	Spacer
5	58-6330	3	Seat
5:1	58-6340	1	O-Ring
6	58-6350	1	Plug
6:1	60-5720	1	O-Ring
6:2	58-6370	1	Washer
7	69-1800	2	Plug ASM
7:1	60-5720	1	O-Ring
7:2	58-6370	1	Washer
8	58-6400	2	Bushing
9	69-1810	3	Spring
10	58-6420	2	Cap
12	58-6450	4	O-Ring
13	58-6460	2	Ring-Retaining
14	65-2770	2	Washer
15	99-3526	1	Plug ASM
15:1	60-5720	1	O-Ring
15:2	59-7730	1	Washer-Backup

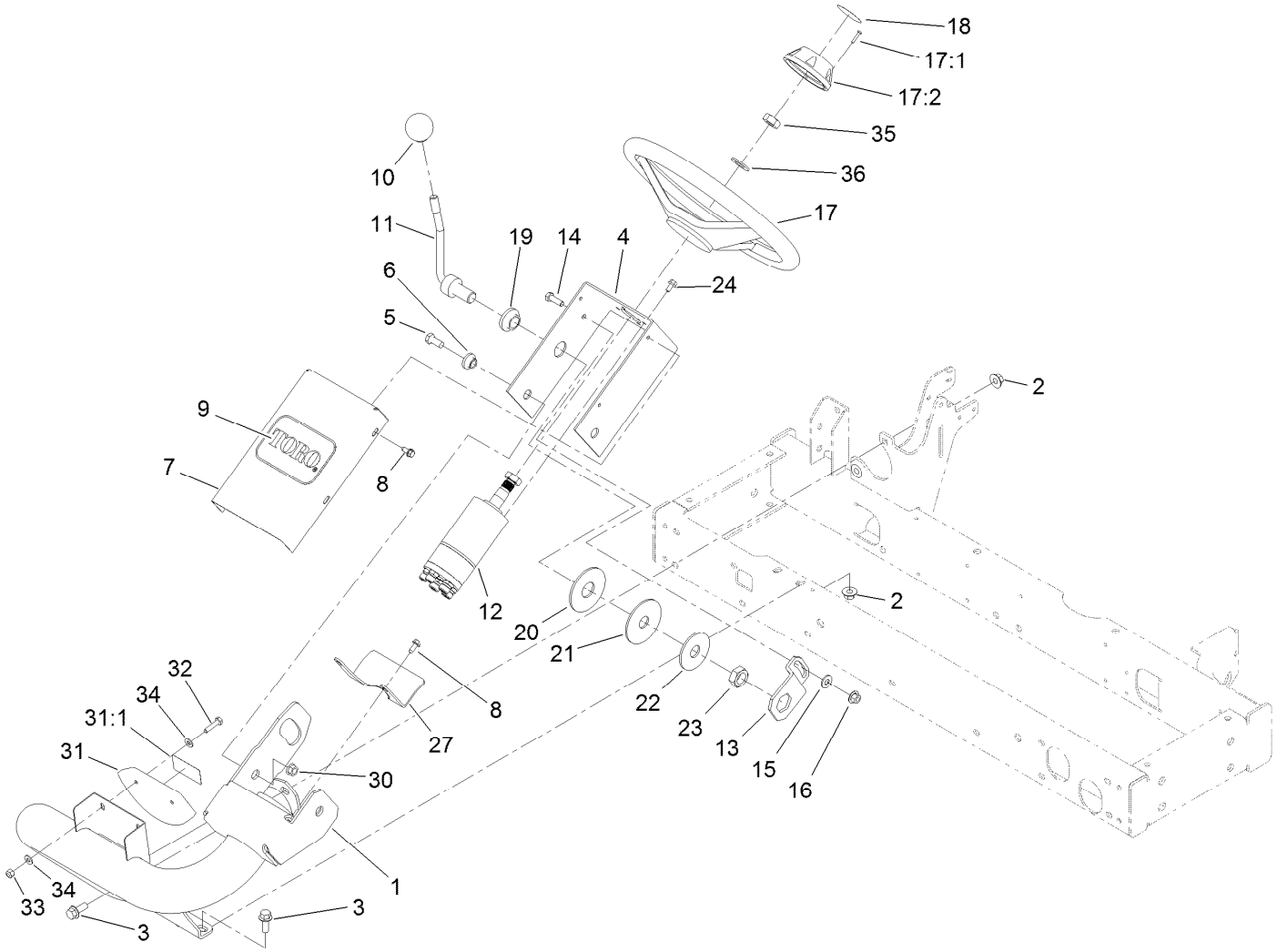
Ref.	Part Number	Qty.	Description
16	99-3531	2	Spring
17	60-6450	1	Disc
18	353-989	1	Plug-Hex, Hollow
18:1	237-42	1	O-Ring
19	58-6780	1	Plug
19:1	58-6790	1	O-Ring
20	58-6320	2	Wiper
21	99-3528	1	Plunger
22	58-6770	1	Plunger
23	58-6760	1	Spring
31	99-3530	1	Seal Kit
31:1	58-6290	3	Poppet
31:2	58-6450	4	O-Ring
31:3	58-6460	2	Ring-Retaining
31:4	58-6320	2	Wiper
31:5	58-6790	1	O-Ring
31:6	60-5720	4	O-Ring
31:7	58-6340	2	O-Ring
31:8	237-42	1	O-Ring
31:9	59-7730	2	Washer-Backup



Manifold Block Assembly No. 115-3486

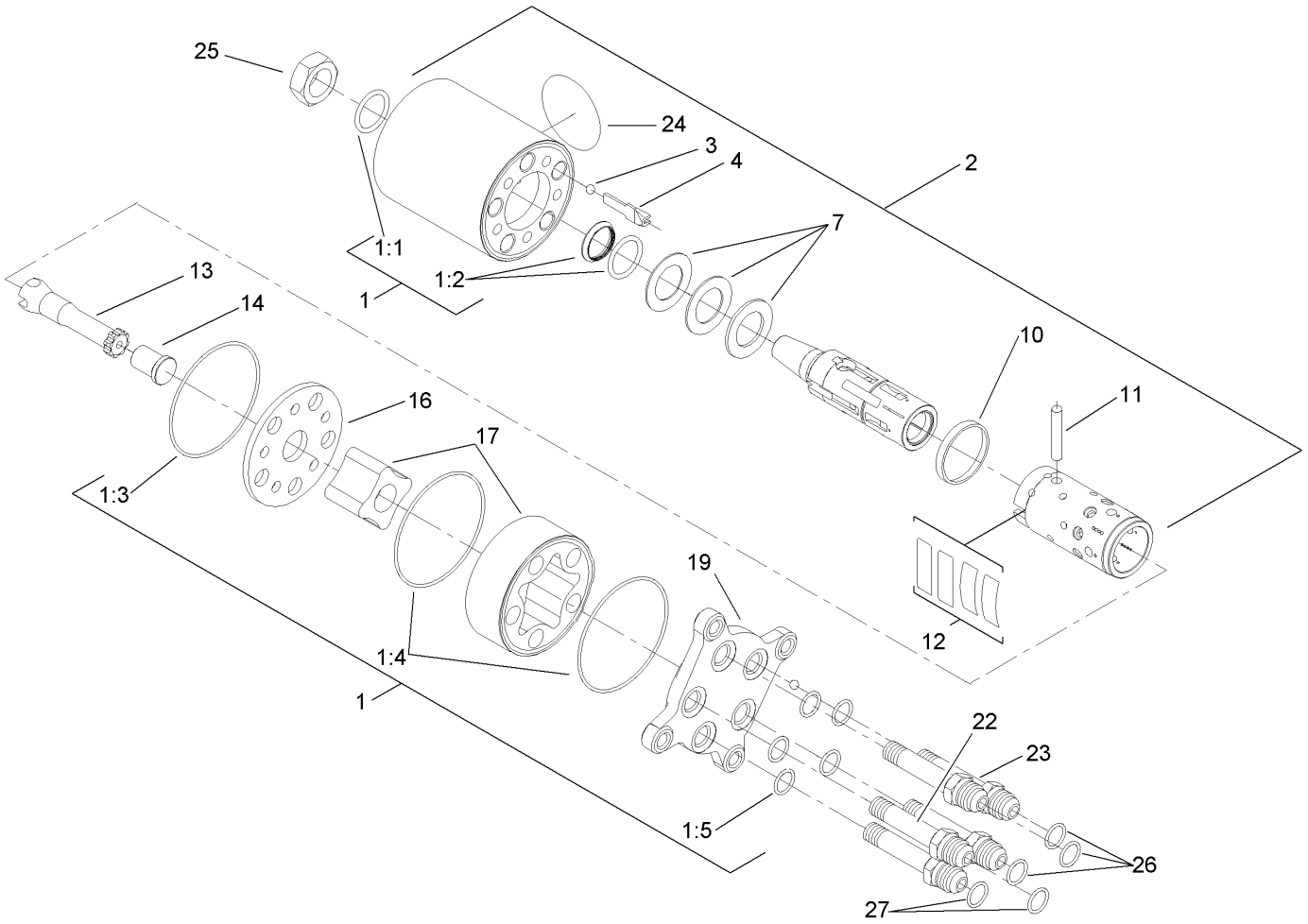
Ref.	*Part Number*	*Qty.*	*Description*
3	106-1026	2	Plug-HYD
3:1	237-42	1	O-Ring
4	117-0115	1	Plug
4:1	237-78	1	O-Ring
5	110-8768	1	Valve-Relief, Solenoid (3000 PSI)
5:1	110-6316	1	Seal Kit ●
5:2	130-8180	1	Nut-Coil
6	117-5110	1	Valve-Counterbalance
6:1	117-5111	1	Seal Kit
7	119-2011	1	Valve-Logic, Adjustable
7:1	119-2159	1	Seal Kit
8	110-6344	1	Coil-12V, DC

● Not illustrated



Steering Arm Assembly

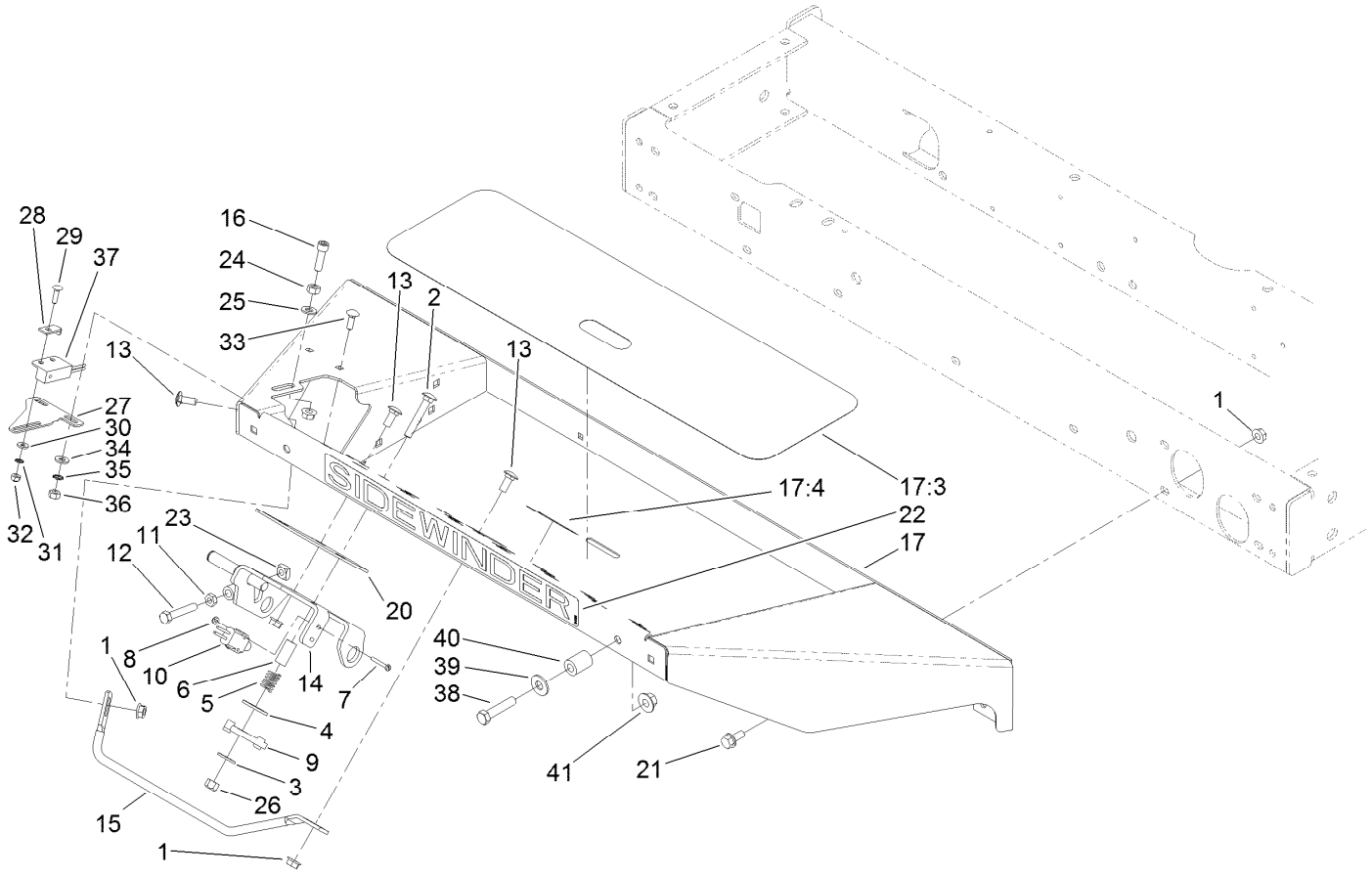
Ref.	Part Number	Qty.	Description
1	105-8536-01	1	Arm-Steering
2	32128-43	4	Nut-Flange
3	3234-11	4	Screw-HHF
4	104-5185-01	1	Bracket-Valve, Steering
5	323-5	2	Screw-HH
6	93-5988	2	Hub-Pivot
7	95-8794-01	1	Cover-Valve, Steering
8	32144-10	5	Screw-HWH
9	67-1300	1	Decal
10	233-48	1	Knob
11	95-8798-03	1	Lever-Steering
12	104-5180	1	Steering Valve ASM
13	80-2880	1	Bracket-Tilt
14	322-5	1	Screw-HH
15	3256-3	1	Washer-Flat
16	32128-44	1	Nut
17	75-0560	1	Steering Wheel ASM
17:1	32144-21	1	Screw
17:2	68-5140	1	Cap-Wheel, Steering
18	68-5370	1	Decal
19	99-3502	1	Boss
20	31-0390	1	Disc-Friction
21	82-9010	1	Disc-Friction
22	80-2930	1	Washer-Flat
23	3218-7	1	Nut-Jam
24	33103-012	4	Screw-HHF
27	99-3405-01	1	Shield-Steering
30	32128-21	2	Nut-HF Lock
31	100-4929	1	Slope Indicator ASM
31:1	100-4837	1	Decal-Danger
31:1	107-7801	1	Decal-Danger, 15 Degree
32	321-7	2	Screw-HH
33	3296-42	2	Nut-Lock, NI
34	3256-22	4	Washer-Flat
35	3296-33	1	Nut-Lock, NI
36	3256-27	1	Washer-Flat



Steering Valve Assembly No. 104-5180

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

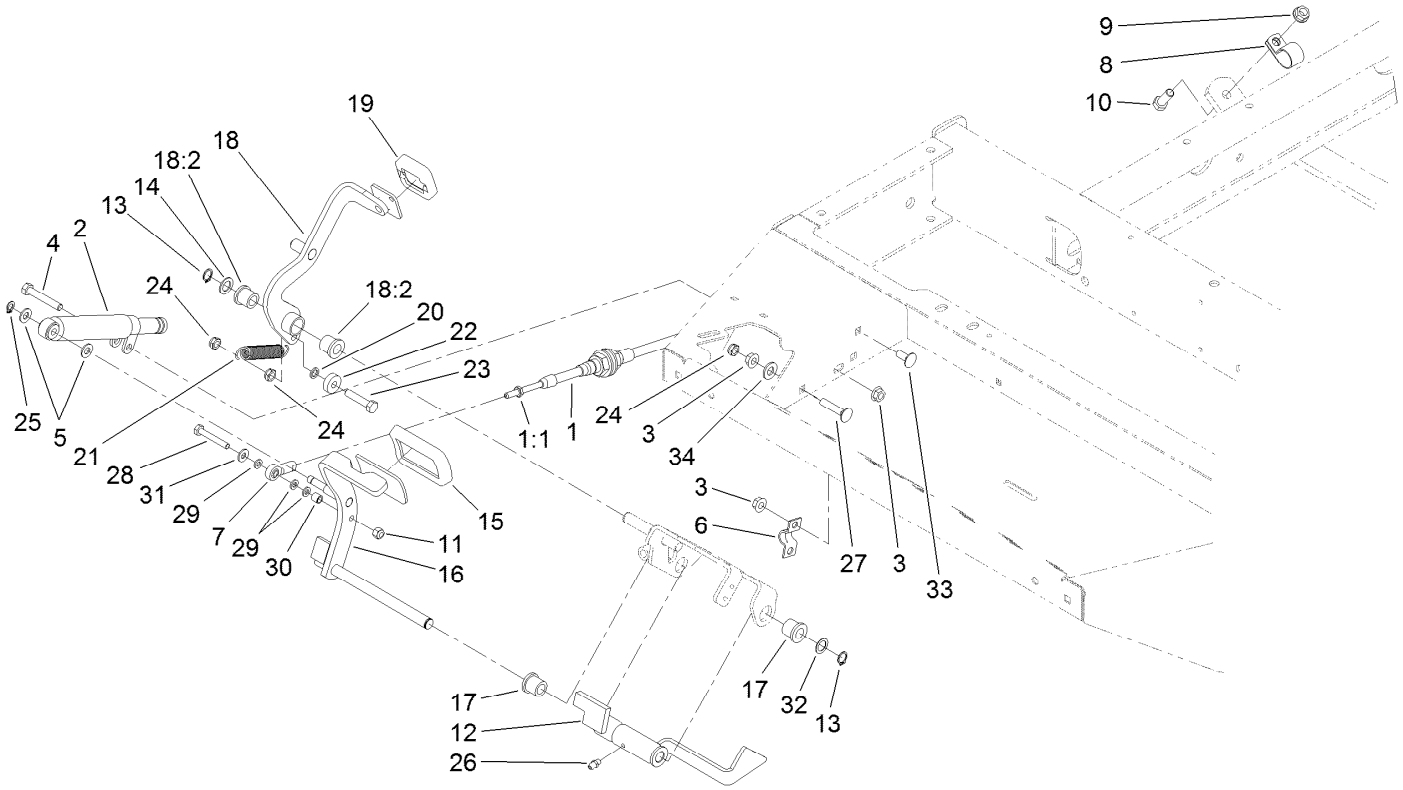
● Not serviced separately



Floorplate Assembly

Ref.	Part Number	Qty.	Description
1	32128-20	15	Nut-HF
2	3230-6	1	Bolt-CARR
3	3256-3	1	Washer-Flat
4	3256-40	1	Washer-Flat
5	65-9940	1	Spring
6	95-8866	1	Tube-Arm, Rocker
7	32105-9	2	Screw
8	3296-9	2	Nut-Hex
9	99-3593	1	Arm-Rocker
10	95-8900	1	Switch
11	3218-2	1	Nut-Hex Jam
12	322-41	1	Bolt-Hex,TAP
13	3230-23	4	Bolt-CARR
14	95-8869-03	1	Bracket-Pedal, Traction
15	95-8893	1	Bar-Deflector
16	3274-22	1	Screw-HSH
17	106-4154	1	Floorplate ASM
17:3	99-3478	1	Tread-Foot
17:4	99-3444	1	Decal-Mow / Transport
20	106-2661-01	1	Plate-Support
21	3234-5	10	Screw-HHF

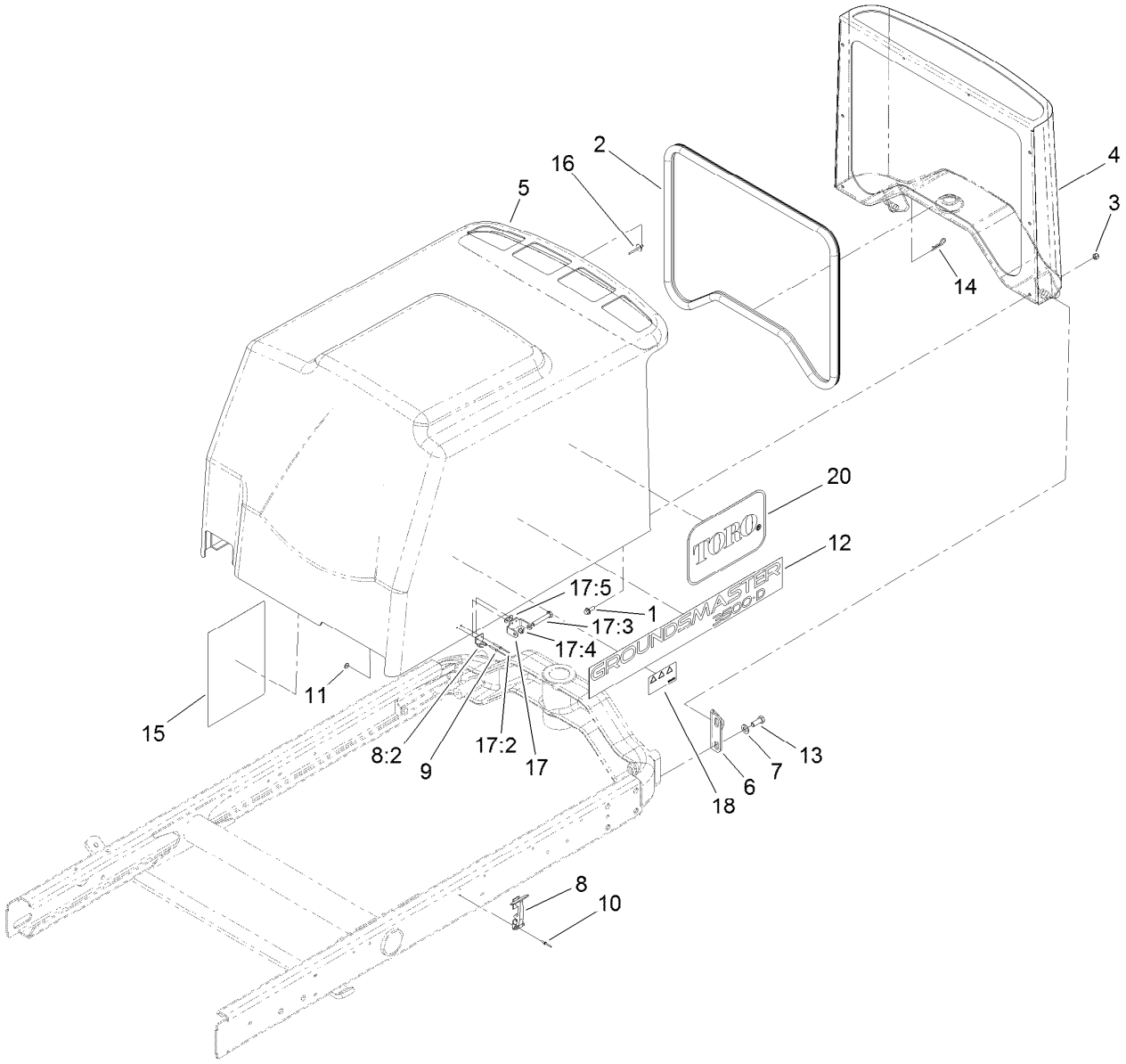
Ref.	Part Number	Qty.	Description
22	99-3388	1	Decal
23	99-3565	1	Nut-Square
24	3217-6	1	Nut-Hex
25	3256-23	1	Washer-Plain
26	3296-29	1	Nut-Lock, NI
27	100-4871	1	Bracket-Switch, Neutral
28	100-4872	1	Plate-Switch, Neutral
29	3229-20	1	Screw-CARR
30	3256-14	1	Washer-Flat
31	3255-17	1	Washer-Lock, EXT
32	3296-2	1	Nut-Lock, NI
33	3229-1	2	Screw-CARR
34	3256-22	2	Washer-Flat
35	3255-7	2	Washer-Lock/EXT
36	3217-5	2	Nut-Hex
37	100-1270	1	Switch-Proximity
38	323-9	2	Screw-HH
39	3256-4	2	Washer-Flat
40	104-4613	2	Tube-Latch
41	32128-43	2	Nut-Flange



Traction Pedal Assembly

Ref.	Part Number	Qty.	Description
1	100-4815	1	Cable-Control, Traction
1:1	3220-1	2	Nut-Jam
2	76-8870	1	Damper-Lever
3	32128-20	5	Nut-HF
4	322-10	1	Screw-HH
5	3256-23	2	Washer-Plain
6	93-2092	1	Clamp-Cable
7	2411-41	1	Rod End-Ball Joint
8	2412-41	1	Clamp-R
9	3290-357	1	Nut-HSF
10	323-6	1	Screw-HH
11	3296-42	1	Nut-Lock, NI
12	95-8861	1	Slide
13	32151-84	2	Ring-Shaft, EXT
14	41-8440	1	Washer
15	74-9100	1	Pad-Pedal, Forward
16	104-4852-03	1	Pedal-Traction
17	256-243	2	Bearing-Flange

Ref.	Part Number	Qty.	Description
18	99-3379	1	Pedal-Reverse ASM
18:2	256-243	2	Bearing-Flange
19	74-9110	1	Pad-Pedal, Reverse
20	75-5470	1	Spacer-Bearing
21	99-3476	1	Spring-Extension
22	251-259	1	Bearing-Ball
23	322-7	1	Screw-HH
24	3296-47	3	Nut-Lock,NI
25	32151-3	1	Ring-Grip
26	302-5	1	Fitting-Grease
27	3230-27	1	Screw-CARR
28	321-10	1	Screw-HH
29	33093-00	3	Washer-Flat
30	99-3545	1	Spacer
31	3256-22	1	Washer-Flat
32	73-0040	4	Washer-Thrust
33	3230-23	2	Bolt-CARR
34	3256-24	1	Washer-Flat

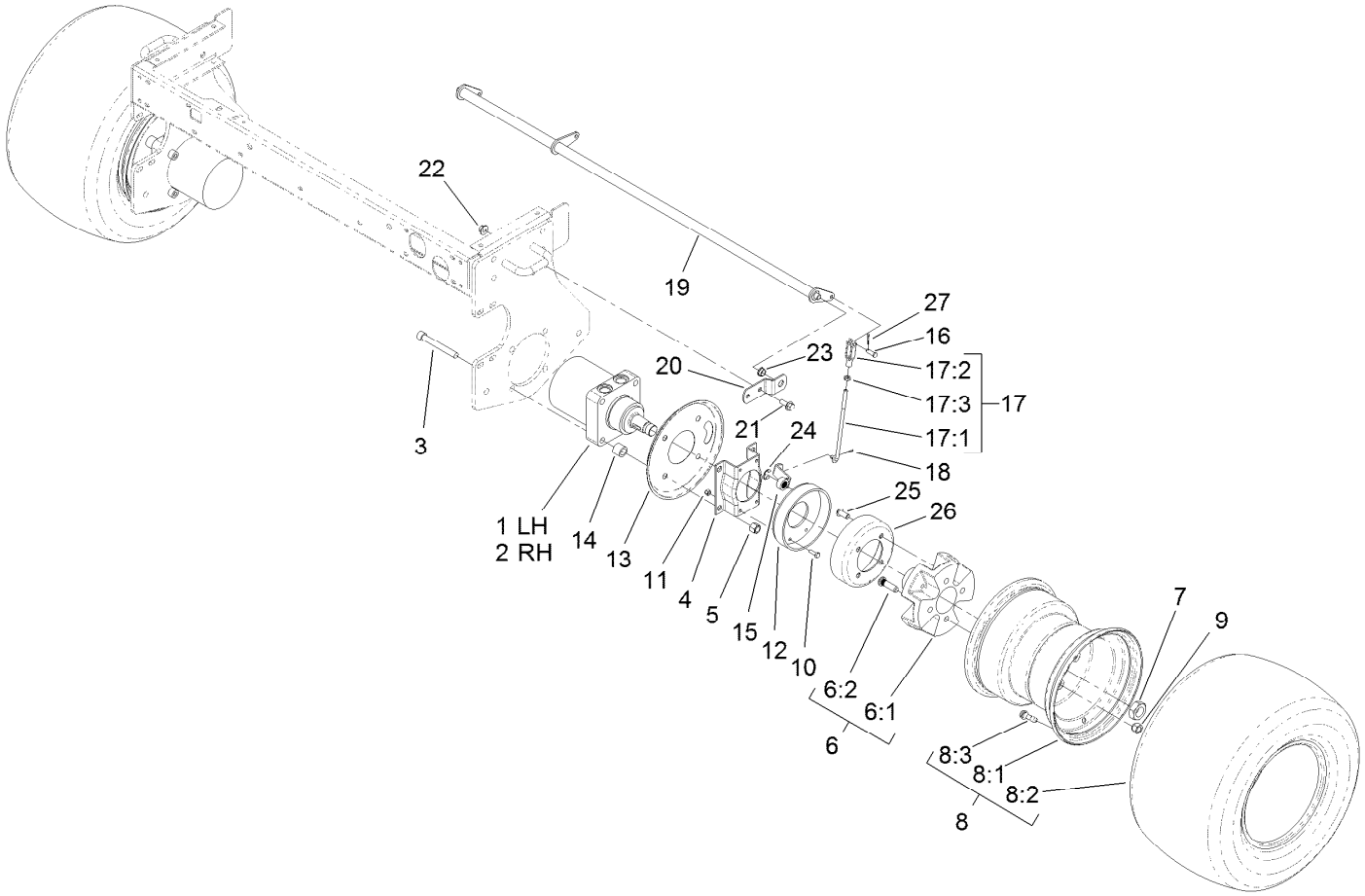


Hood Assembly

Ref.	Part Number	Qty.	Description
1	3234-4	6	Screw-HHF
2	100-4932	1	Trim-Seal
3	3296-42	6	Nut-Lock, NI
4	104-4853-03	1	Screen-Hood
5	121-3507	1	Hood ASM
5:1	106-8115	1	Heat Tape Repair Kit ●
6	95-8728	2	Bracket-Pivot, Hood
7	3256-24	8	Washer-Flat
8	59-9740	2	Flex Draw Latch ASM
8:2	249-40	1	Keeper
9	107-0333	4	Rivet-Pop
10	3290-55	4	Rivet-Pop
11	3269-10	4	Washer-Back

Ref.	Part Number	Qty.	Description
12	121-3541	2	Decal-Hood
13	323-6	4	Screw-HH
14	3290-467	1	Pin-Hair
15	121-3533	1	Decal-Service
16	3269-21	2	Rivet-Pop
17	119-2004	1	CE Latch Kit
17:2	107-0333	2	Rivet-Pop
17:3	322-10	1	Screw-HH
17:4	3296-47	1	Nut-Lock,NI
17:5	3269-10	2	Washer-Back
18	106-6754	1	Decal-Danger
20	66-6140	2	Decal

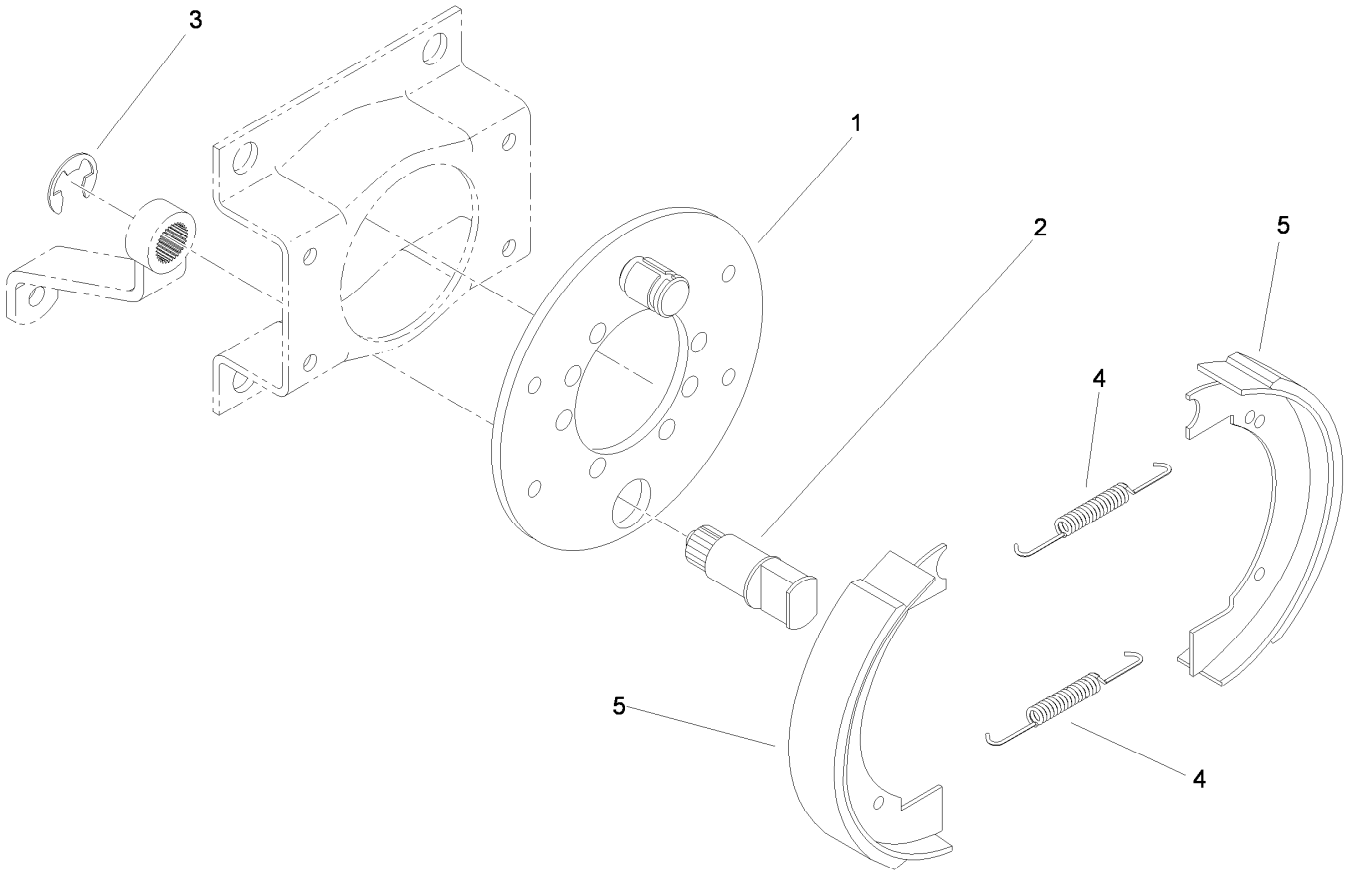
● Not illustrated



Wheel Motor and Brake Assembly

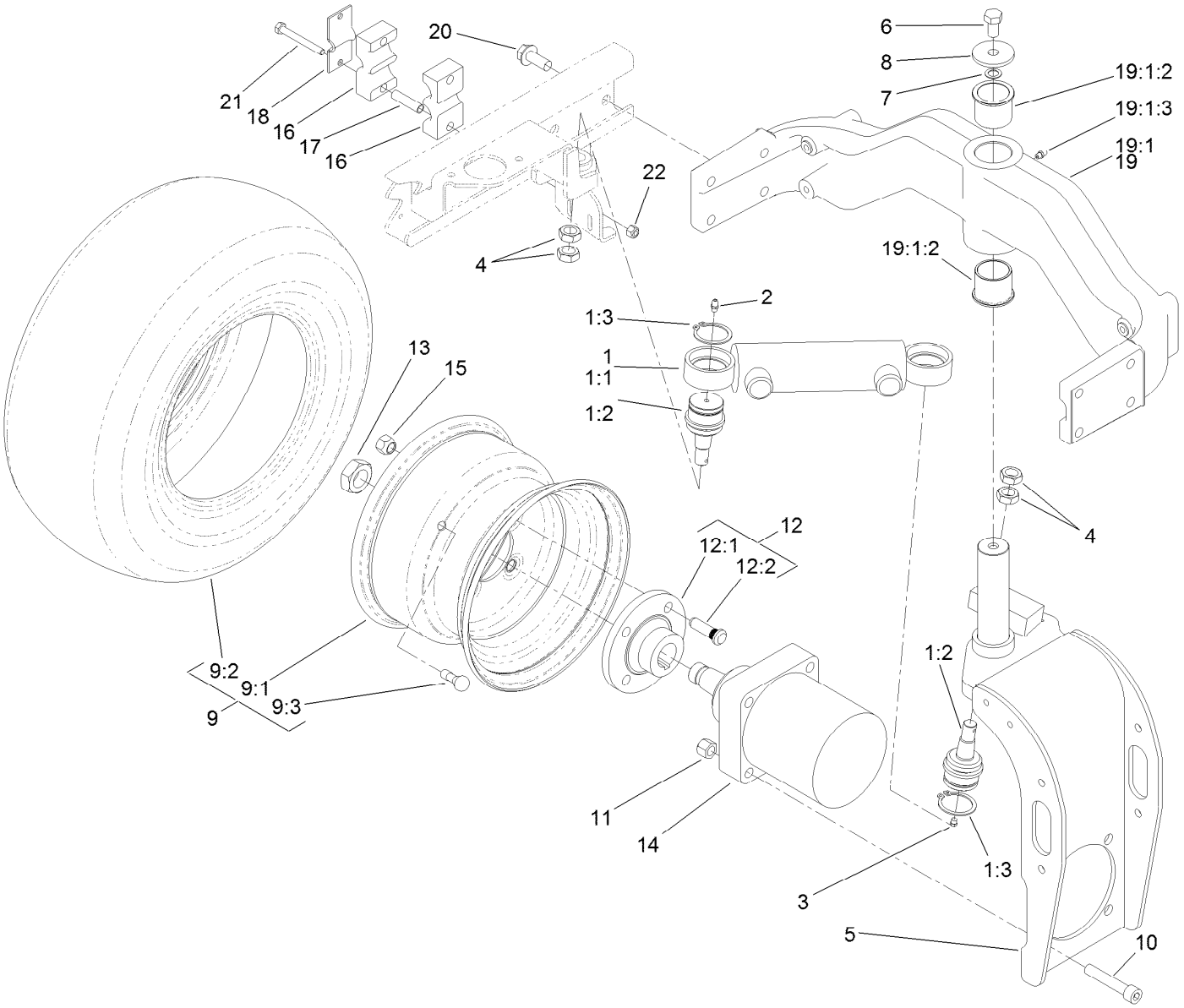
Ref.	Part Number	Qty.	Description
1	110-8785	1	HYD Motor ASM (CCW)
2	110-8786	1	HYD Motor ASM (CW)
3	3274-99	8	Screw-HSH
4	84-2000-03	2	Bracket-Brake
5	3296-23	8	Nut-Lock, NI
6		2	Wheel Hub/Stud ASM ●
6:1	104-0462	1	Hub-Wheel, Spacer
6:2	10-6830	4	Stud-Type, Drive
7	26-3790	2	Nut-Lock
8		2	Wheel And Tire ASM ●
8:1	117-5126	1	Rim
8:2	117-5125	1	Tire
8:3	232-27	1	Stem-Valve
9	242-50	8	Nut-Lug
10	321-5	8	Screw-HH
11	3296-42	8	Nut-Lock, NI
12	104-7705	2	Brake ASM
13	104-0485-03	2	Shield-Wheel
14	119-8238	8	Spacer-Deck Pulley
15	114-2726	2	Lever-Brake
16	283-1	2	Pin-Clevis
17	115-6672	2	Brake Lever ASM
17:1	104-4627	1	Rod-Adjusting
17:2	1-303105	1	Yoke-Adjustable
17:3	3220-2	1	Nut-Jam
18	3272-6	2	Pin-Cotter
19	104-4625-03	1	Shaft-Pivot, Brake
20	95-8683	2	Bracket-Pivot, Brake
21	3234-11	4	Screw-HHF
22	32128-43	4	Nut-Flange
23	256-156	2	Bushing-Flange
24	104-7706	2	E-Ring, Bowed
25	3274-105	8	Screw-HSBH
26	104-4809	2	Drum-Brake
27	3272-10	2	Pin-Cotter

● Not serviced separately



Brake Assembly No. 104-7705

Ref.	*Part Number*	*Qty.*	*Description*
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

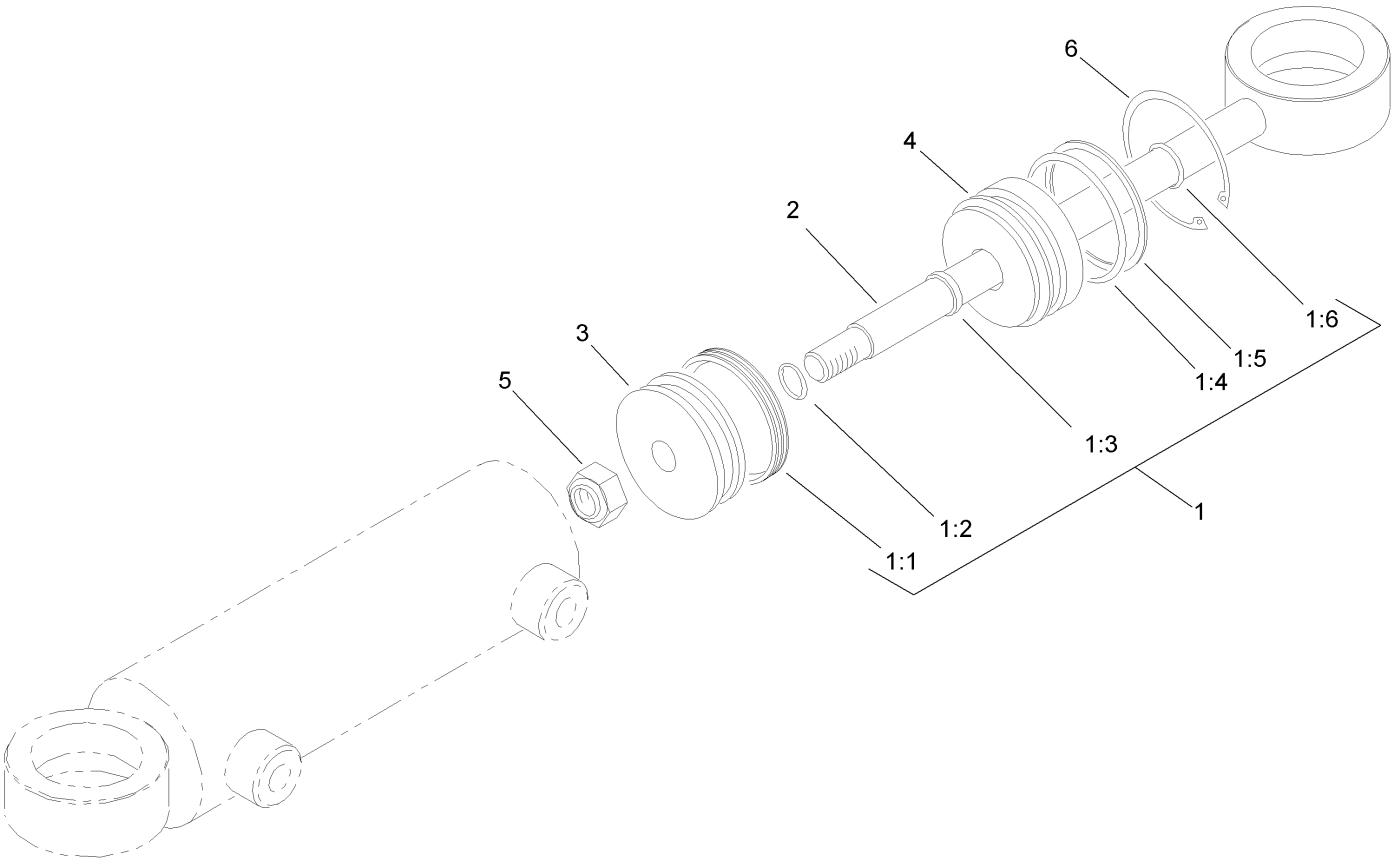


Rear Fork and Wheel Assembly

Ref.	Part Number	Qty.	Description
1		1	Steering Cylinder / Balljoint ASM ●
1:1	94-8141	1	HYD Cylinder ASM
1:2	106-6774	2	Joint-Ball
1:3	32151-104	2	Ring-Retaining, External
2	302-5	1	Fitting-Grease
3	302-59	1	Plug-EXT Hex Spl
4	3220-6	4	Nut-Jam
5	95-8905-01	1	Fork-Rear
6	325-3	1	Screw-HH
7	3255-2	1	Washer-Lock, EXT
8	75-7730	1	Washer-Thrust
9		1	Wheel And Tire ASM ●
9:1	117-5129	1	Rim
9:2	115-1572	1	Tire
9:3	232-27	1	Stem-Valve
10	3274-93	4	Screw-HSH

Ref.	Part Number	Qty.	Description
11	3296-23	4	Nut-Lock, NI
12		1	Wheel Hub/Stud ASM ●
12:1	10-6870-03	1	Hub-Wheel
12:2	10-6830	4	Stud-Type, Drive
13	26-3790	1	Nut-Lock
14	95-8694	1	HYD Motor ASM
15	242-50	4	Nut-Lug
16	82-8170	2	Clamp
17	93-7960	2	Spacer
18	93-7961	1	Clamp-Drain, Case
19	107-7828-03	1	Casting-Rear
19:1		1	Rear Casting ASM ●
19:1:2	95-8805	2	Bushing
19:1:3	302-5	1	Fitting-Grease
20	3234-38	8	Screw-HHF
21	322-13	2	Screw-HH
22	3296-29	2	Nut-Lock, NI

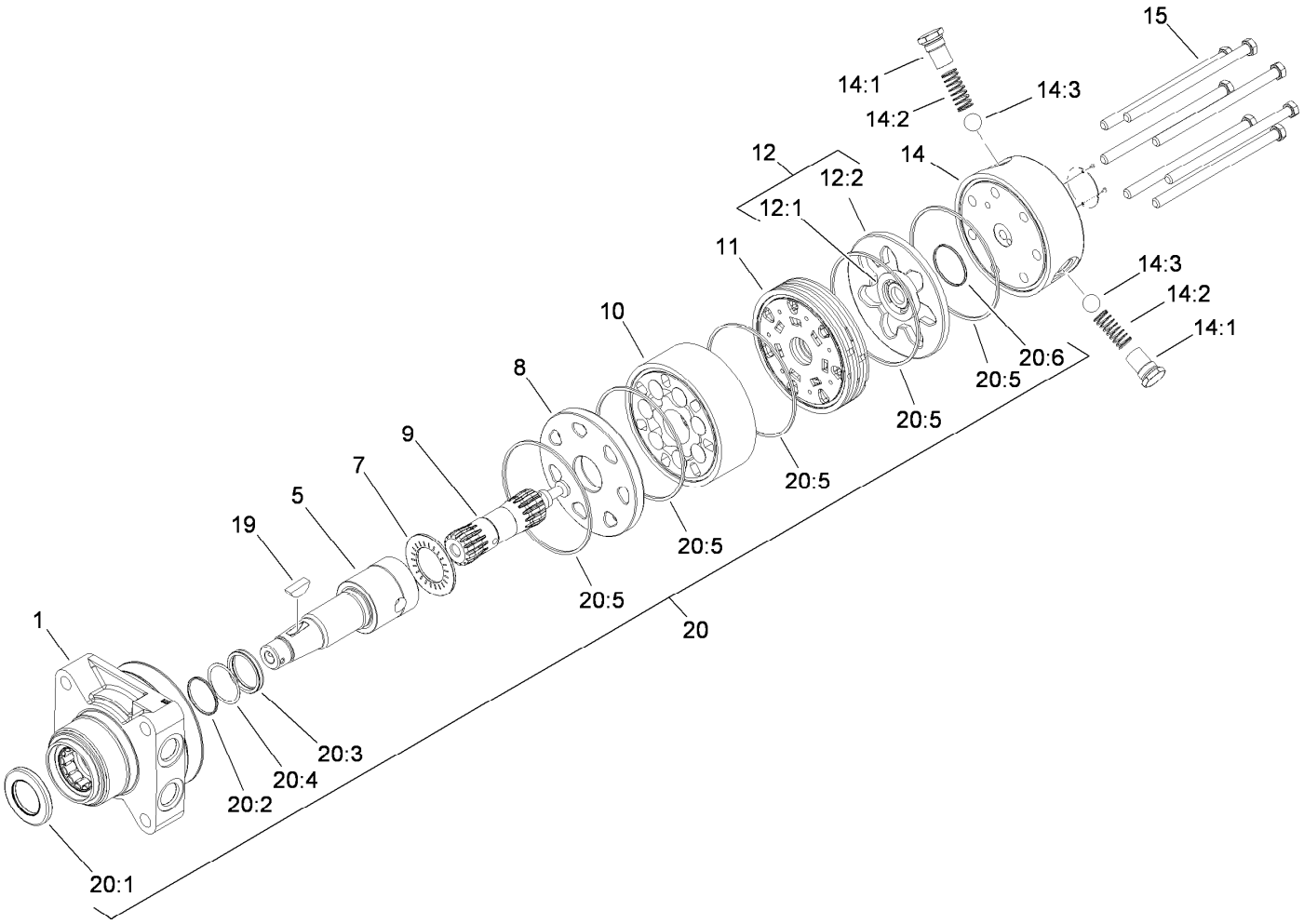
● Not serviced separately



Hydraulic Cylinder Assembly No. 94-8141

Ref.	*Part Number*	*Qty.*	*Description*
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 ●

● Not serviced separately

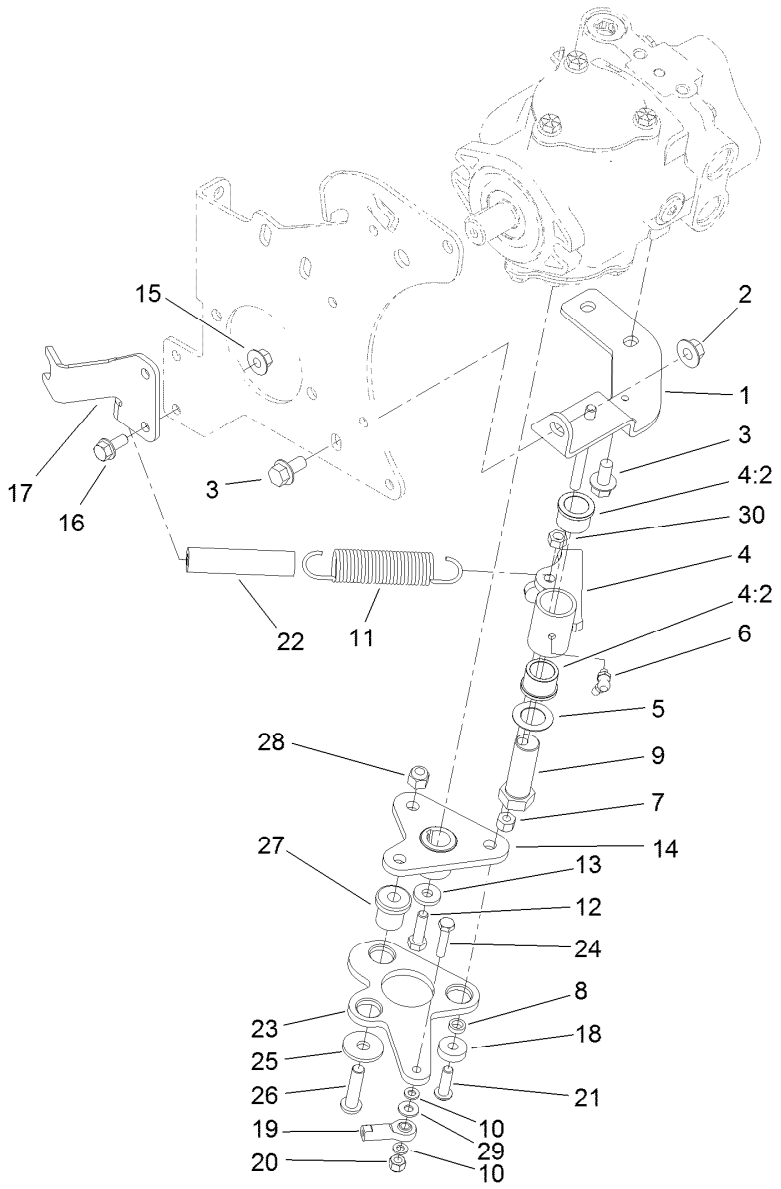


Hydraulic Motor Assembly No. 95-8694

Ref.	Part Number	Qty.	Description
1	76-0810	1	Housing ASM
5	99-3090	1	Shaft-Coupling
7	76-0850	1	Bearing-Thrust
8	76-0870	1	Plate-Wear
9	99-3537	1	Link-Drive
10	99-3539	1	Set-Rotor
11	99-3535	1	Manifold
12	76-0880	1	Commutator ASM
12:1		1	Commutator ●
12:2		1	Ring-Commutator ●
14	99-3538	1	End Cover ASM
14:1		1	Spring Cap And O-Ring ASM ●

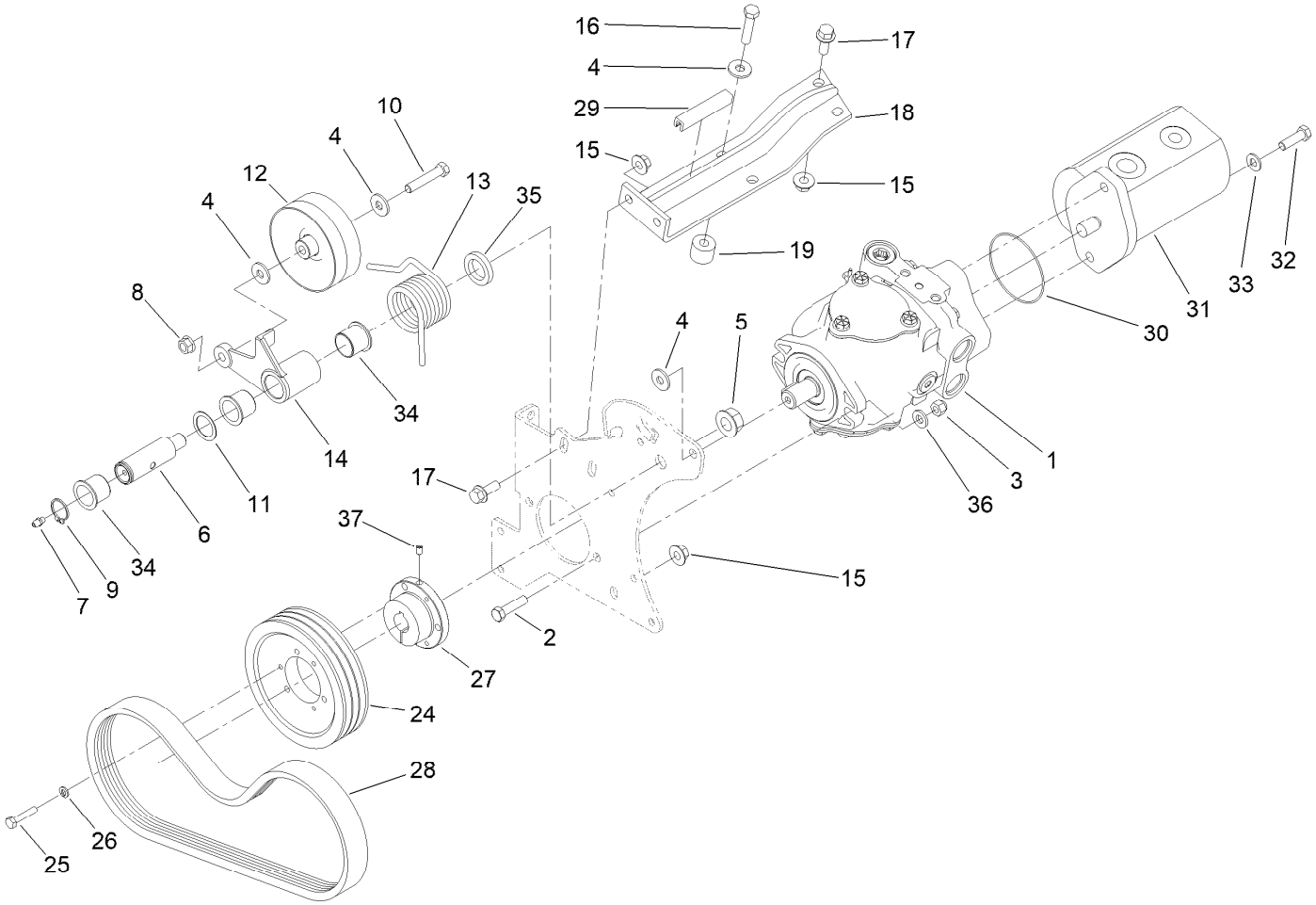
Ref.	Part Number	Qty.	Description
14:2	99-3541	1	Spring
14:3	99-3540	1	Ball
15	99-3536	7	Screw-HH
19	3257-42	1	Key-Woodruff
20	94-8178	1	Seal Kit
20:1		1	Seal-Dirt And Water ●
20:2		1	Backup-Ring ●
20:3		1	Seal-Shaft ●
20:4		1	Washer-Backup ●
20:5		5	Seal-Square, Ring (Inner) ●
20:6		1	Seal-Commutator ●

● Not serviced separately



Neutral Arm Assembly

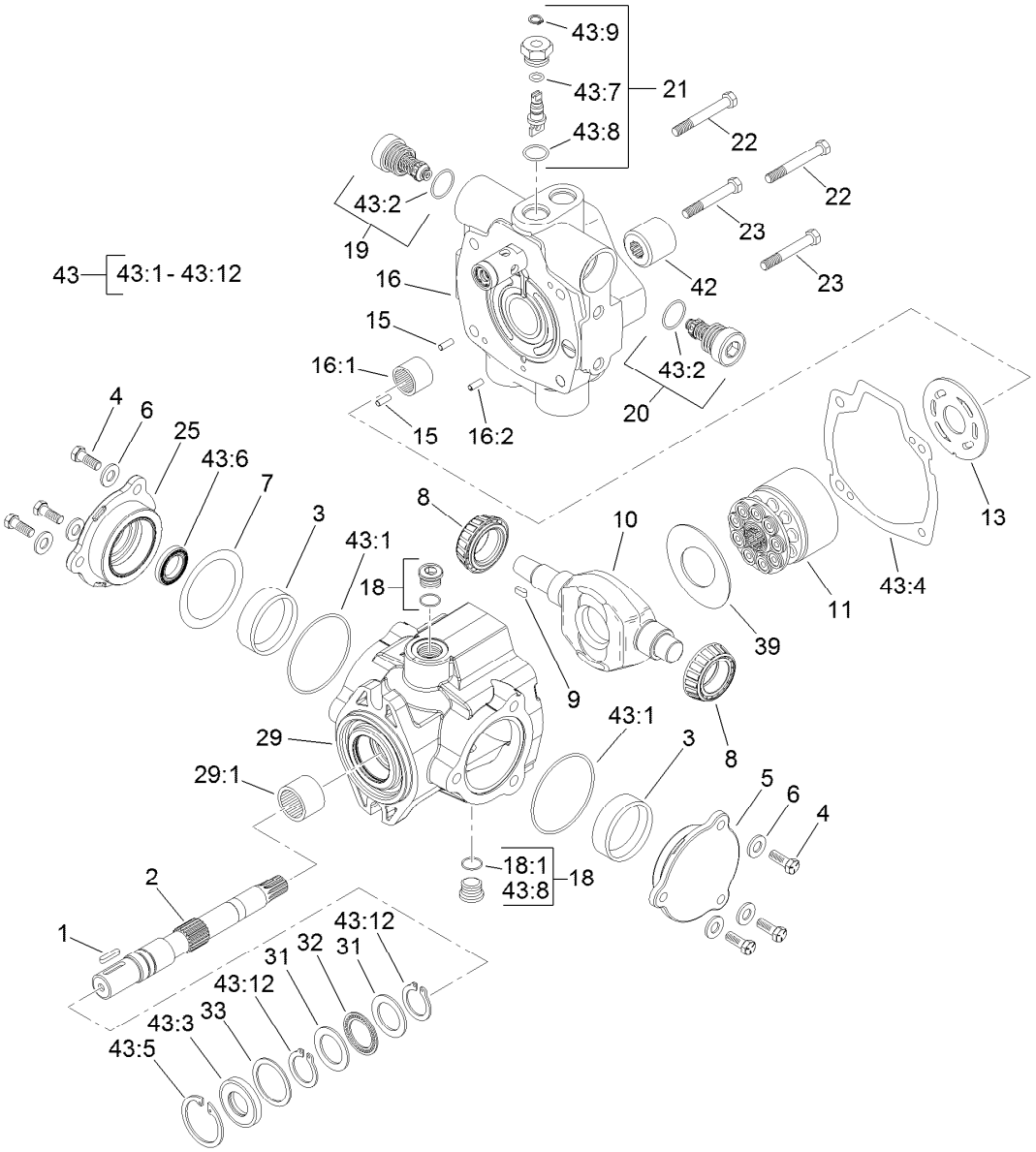
Ref.	Part Number	Qty.	Description
1	95-8960-03	1	Bracket-Neutral
2	32128-43	1	Nut-Flange
3	3234-1	3	Screw-HHF
4	104-0422	1	Neutral Arm ASM
4:2	256-113	2	Bushing-Flange
5	3-6498	1	Washer-Thrust
6	302-60	1	Fitting-Grease
7	3296-29	1	Nut-Lock, NI
8	100-4817	1	Spacer
9	76-8640	1	Stud-Traction
10	33093-00	2	Washer-Flat
11	94-1369	1	Spring-Extension
12	3210-6	1	Screw-HH
13	88-7200	1	Washer-Flat
14	99-3598-03	1	Hub
15	32128-44	2	Nut
16	3234-5	2	Screw-HHF
17	120-3534-03	1	Bracket-Support, Cable
18	251-259	1	Bearing-Ball
19	2411-41	1	Rod End-Ball Joint
20	3296-42	1	Nut-Lock, NI
21	3274-104	1	Screw-HSBH
22	99-3556	1	Hose
23	120-3533-03	1	Lever-Pump
24	321-8	1	Screw-HH
25	2844	3	Washer
26	95-3857	3	Screw-HSBH
27	63-9750	3	Mount
28	3296-39	3	Nut-Lock, NI
29	3256-22	1	Washer-Flat
30	32153-3	1	Nut-Hex, Side Deform



Gear Pump and Piston Pump Assembly

Ref.	Part Number	Qty.	Description
1	104-4890	1	Piston Pump ASM
2	323-8	2	Screw-HH
3	3296-39	2	Nut-Lock, NI
4	80-6990	4	Washer-Hardened
5	32128-54	1	Nut-HF
6	99-3624	1	Shaft-Pivot, Idler
7	302-5	1	Fitting-Grease
8	32128-21	1	Nut-HF Lock
9	32151-36	1	Ring-Retaining
10	323-10	1	Screw-HH
11	74-1810	1	Washer
12	107-7834	1	Pulley-Idler
13	115-3488	1	Spring-Torsion
14	99-3623-03	1	Arm-Idler
15	32128-43	4	Nut-Flange
16	323-19	2	Screw-HH
17	3234-11	4	Screw-HHF

Ref.	Part Number	Qty.	Description
18	120-3378-03	1	Support-Pump
19	99-3440	2	Spacer
24	120-3374	1	Pulley-3V
25	321-13	3	Screw-HH
26	3253-3	3	Washer-Lock
27	100-4813	1	Bushing-Lock, Taper
28	120-3351	1	Belt-3V
29	70-2041	1	Trim
30	353-949	1	O-Ring
31	108-9036	1	HYD Gear Pump ASM
32	323-7	2	Screw-HH
33	3256-24	2	Washer-Flat
34	99-3631	2	Bushing-Flange
35	99-3625	1	Spacer-Arm, Idler
36	100-4852	2	Washer-Hardened
37	3245-7	1	Screw-Set



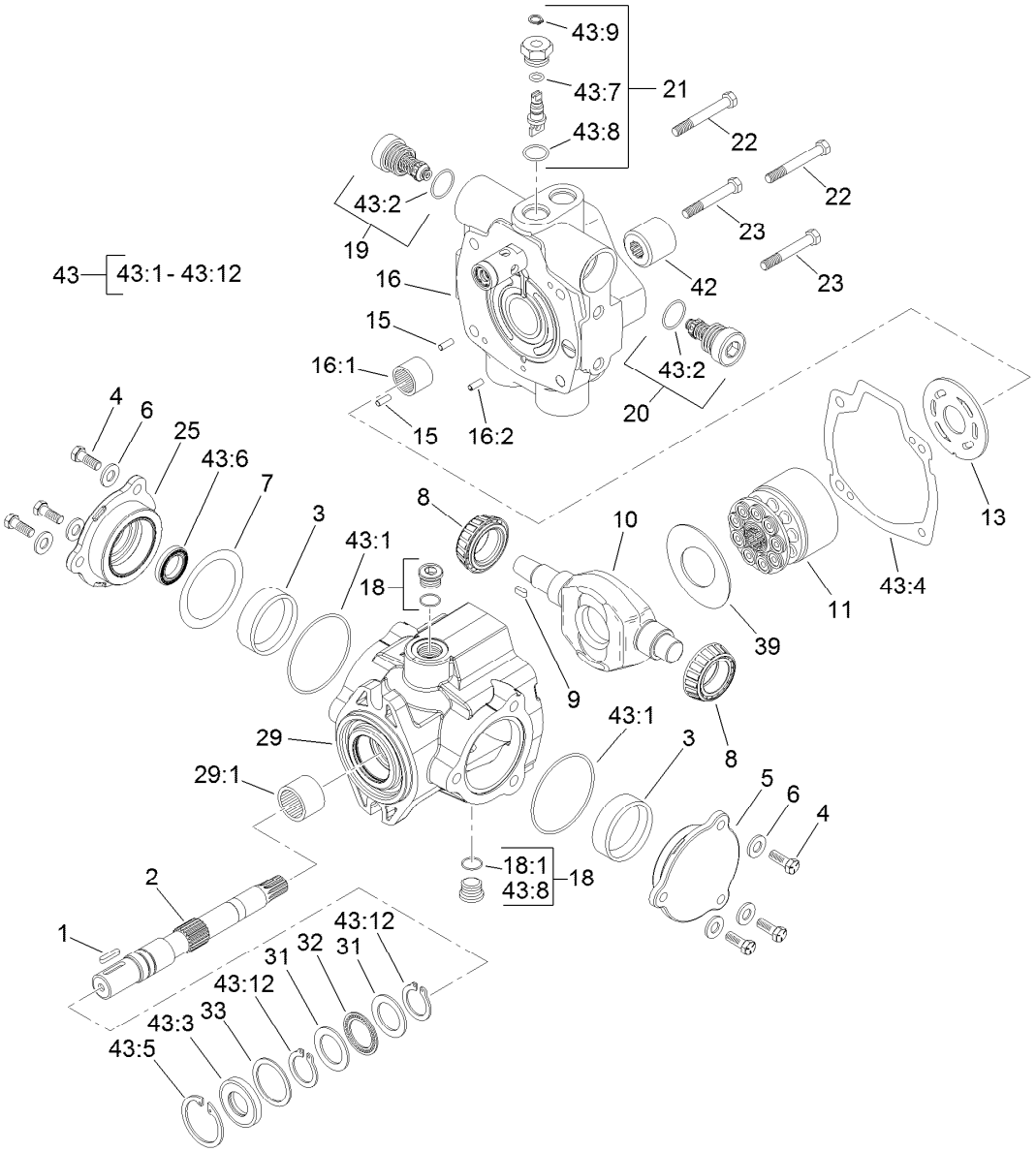
Hydraulic Pump Assembly No. 104-4890

Ref.	Part Number	Qty.	Description
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 ■

Ref.	Part Number	Qty.	Description
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
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 ■

● Not illustrated

■ Not serviced separately

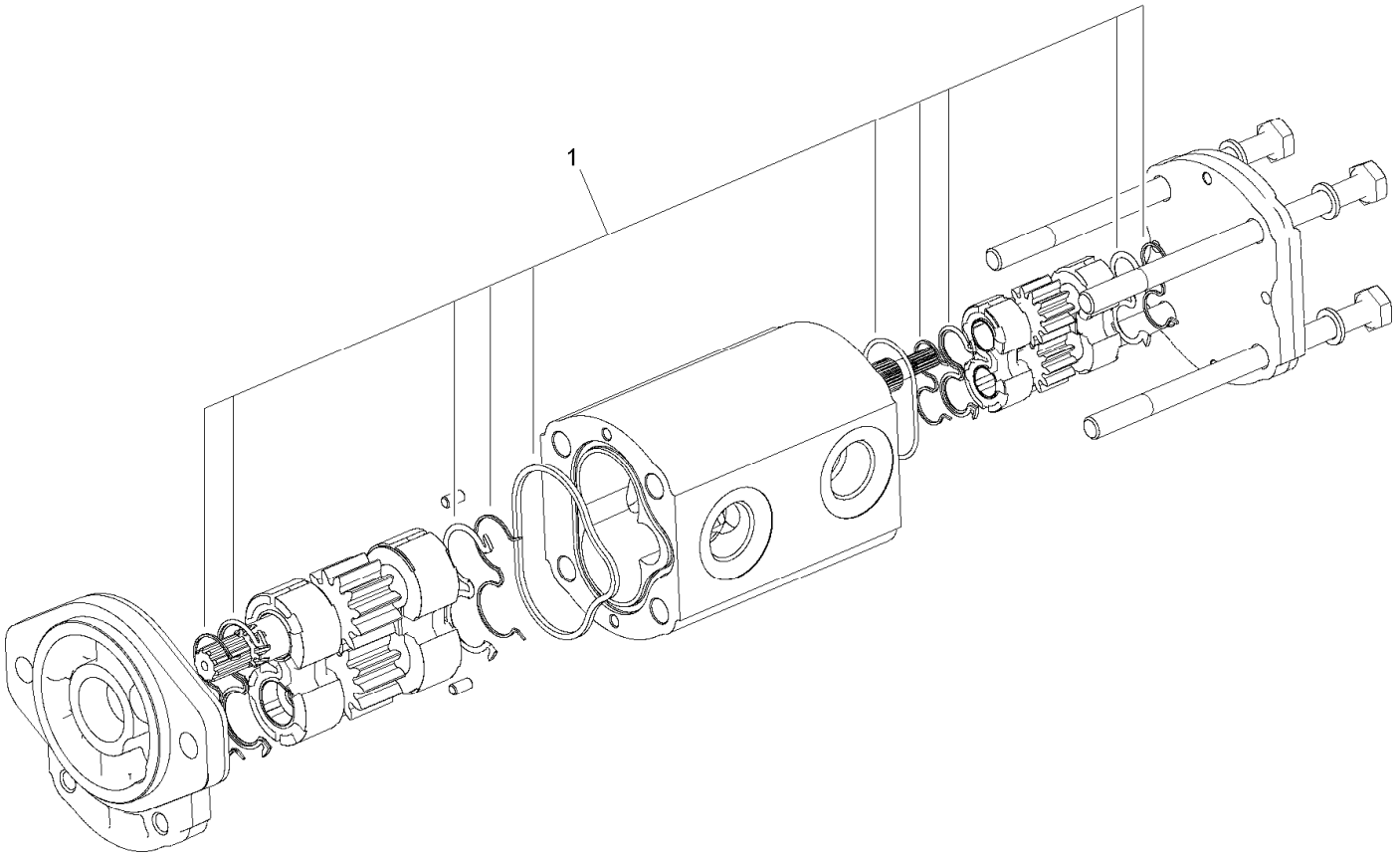


Hydraulic Pump Assembly No. 104-4890 (continued)

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 ■
43:10		1	O-Ring ● ■
43:11		1	O Ring-Molded ● ■
43:12		2	Ring-Retaining ■
43:13		1	O-Ring ■

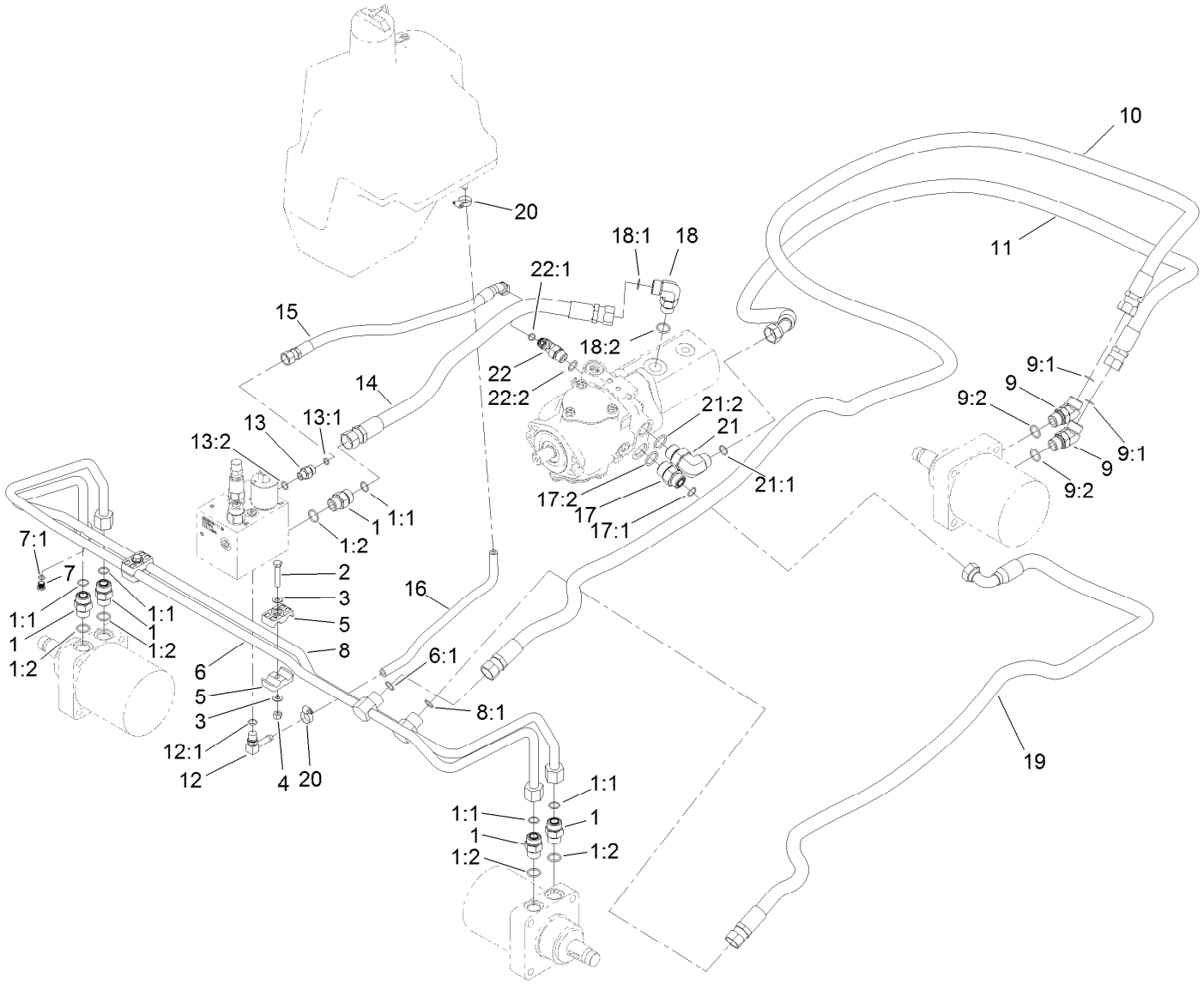
● Not illustrated

■ Not serviced separately



Hydraulic Gear Pump Assembly No. 108-9036

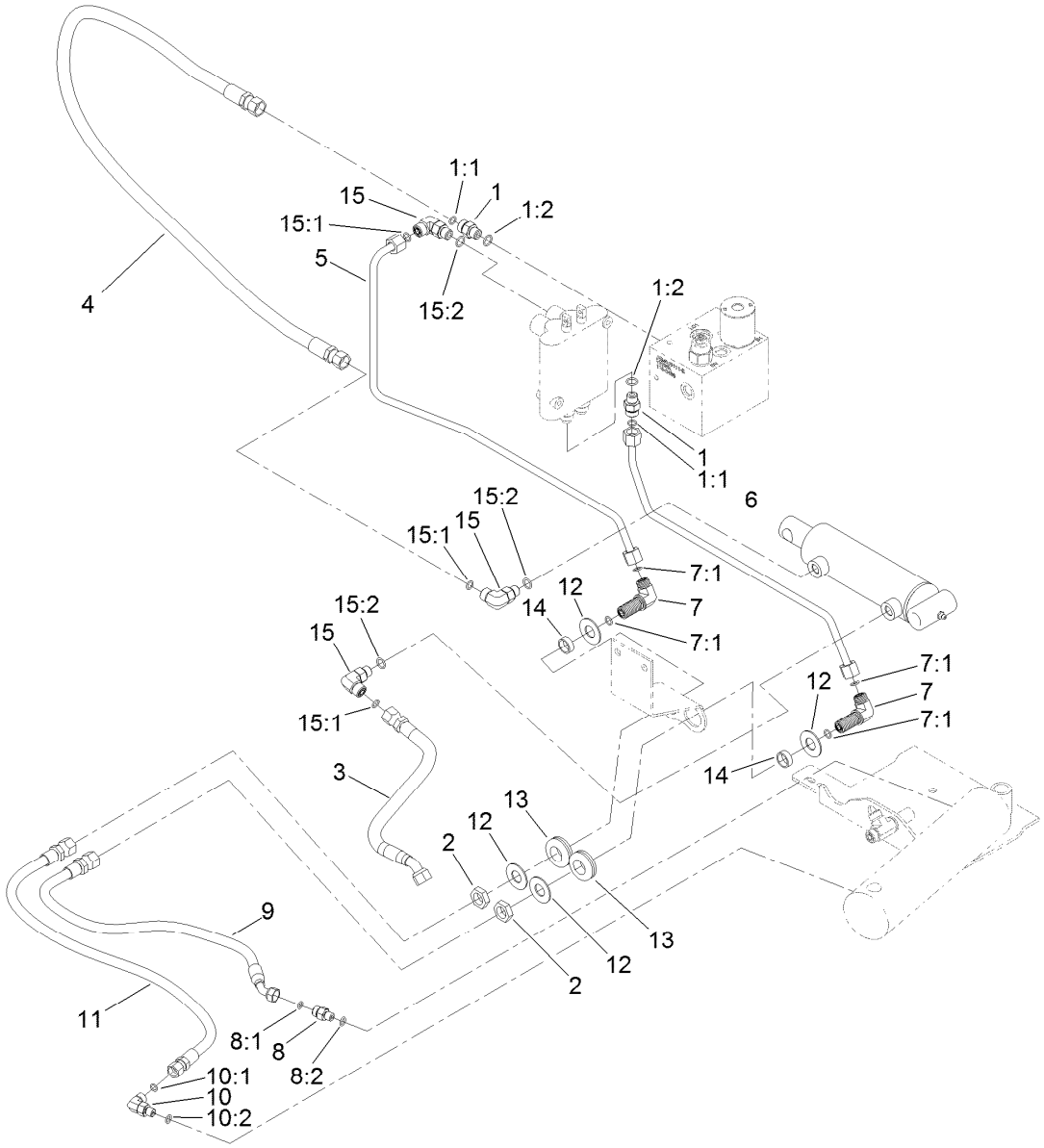
Ref.	*Part Number*	*Qty.*	*Description*
1	110-8755	1	Seal Kit



Traction Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	340-7	5	Fitting-Straight
1:1	237-65	1	O-Ring
1:2	237-80	1	O-Ring
2	322-9	2	Screw-HH
3	3256-23	4	Washer-Plain
4	3296-29	2	Nut-Lock, NI
5	56-7971	4	Clamp-Tube
6	95-8783	1	Tube ASM
6:1	237-65	1	O-Ring
7	353-990	1	Plug ASM
7:1	237-78	1	O-Ring
8	95-8784	1	Tube ASM
8:1	237-65	1	O-Ring
9	340-14	2	Fitting-HYD, 45 DEG
9:1	237-65	1	O-Ring
9:2	237-80	1	O-Ring
10	105-1213	1	Hose-HYD
11	105-1212	1	Hose-HYD
12	100-4887	1	Fitting-Elbow, 90
12:1	237-42	1	O-Ring

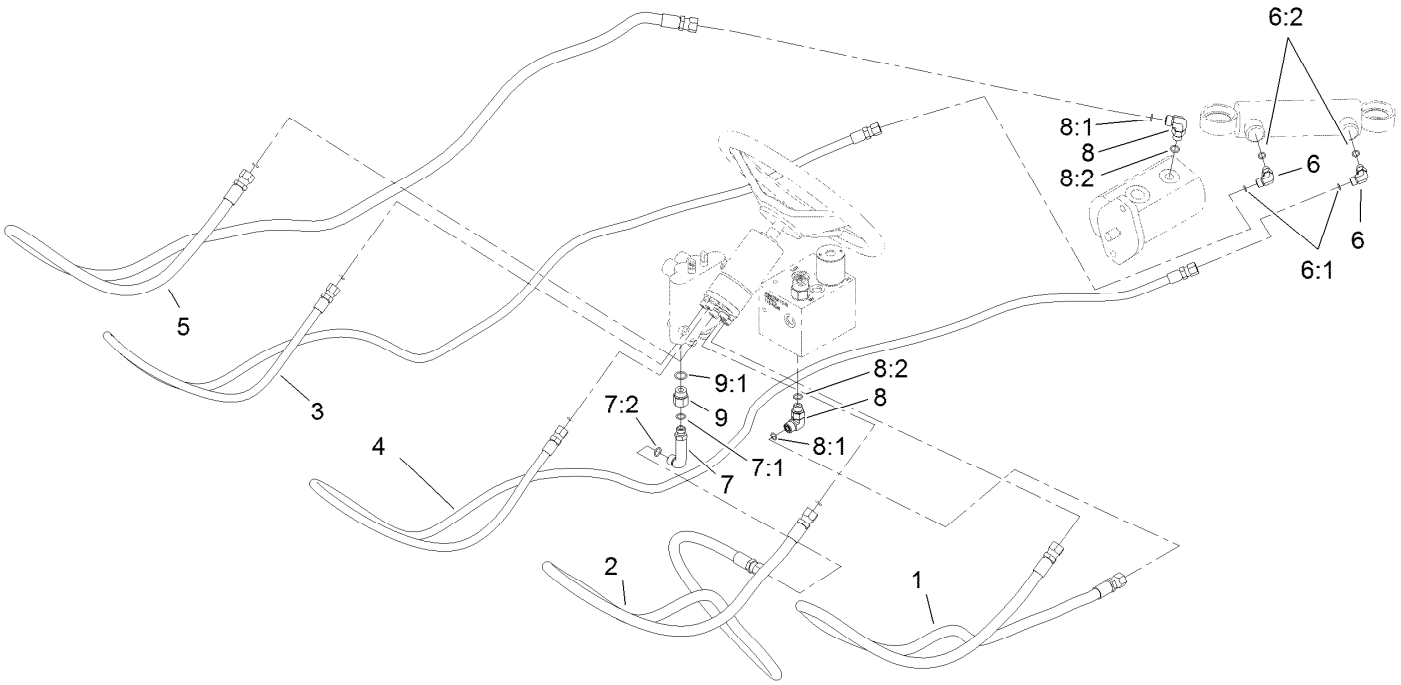
Ref.	Part Number	Qty.	Description
13	340-2	1	Fitting-Straight
13:1	237-22	1	O-Ring
13:2	237-42	1	O-Ring
14	120-3538	1	Hose-HYD
15	120-3539	1	Hose-HYD
16	80-7342	1	Hose-HYD
17	340-8	1	Fitting-Straight
17:1	237-65	1	O-Ring
17:2	237-81	1	O-Ring
18	340-17	1	Fitting-Elbow, 90 DEG
18:1	237-65	1	O-Ring
18:2	237-80	1	O-Ring
19	105-1214	1	Hose-HYD
20	2412-36	1	Clamp-Hose
21	340-139	1	Fitting-Elbow 90
21:1	237-81	1	O-Ring
21:2	237-65	1	O-Ring
22	340-18	1	Fitting-HYD, 90 DEG
22:1	237-79	1	O-Ring
22:2	237-22	1	O-Ring



Lift Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	340-2	2	Fitting-Straight
1:1	237-22	1	O-Ring
1:2	237-42	1	O-Ring
2	340-70	2	Nut-Lock
3	104-0407	1	Hose-HYD
4	100-4891	1	Hose-HYD
5	95-8790	1	Tube-HYD
6	95-8791	1	Tube-HYD
7	340-154	2	Union-Bulkhead
7:1	237-22	2	O-Ring
8	85-9720	1	Fitting-STR, Orifice
8:1	237-78	1	O-Ring

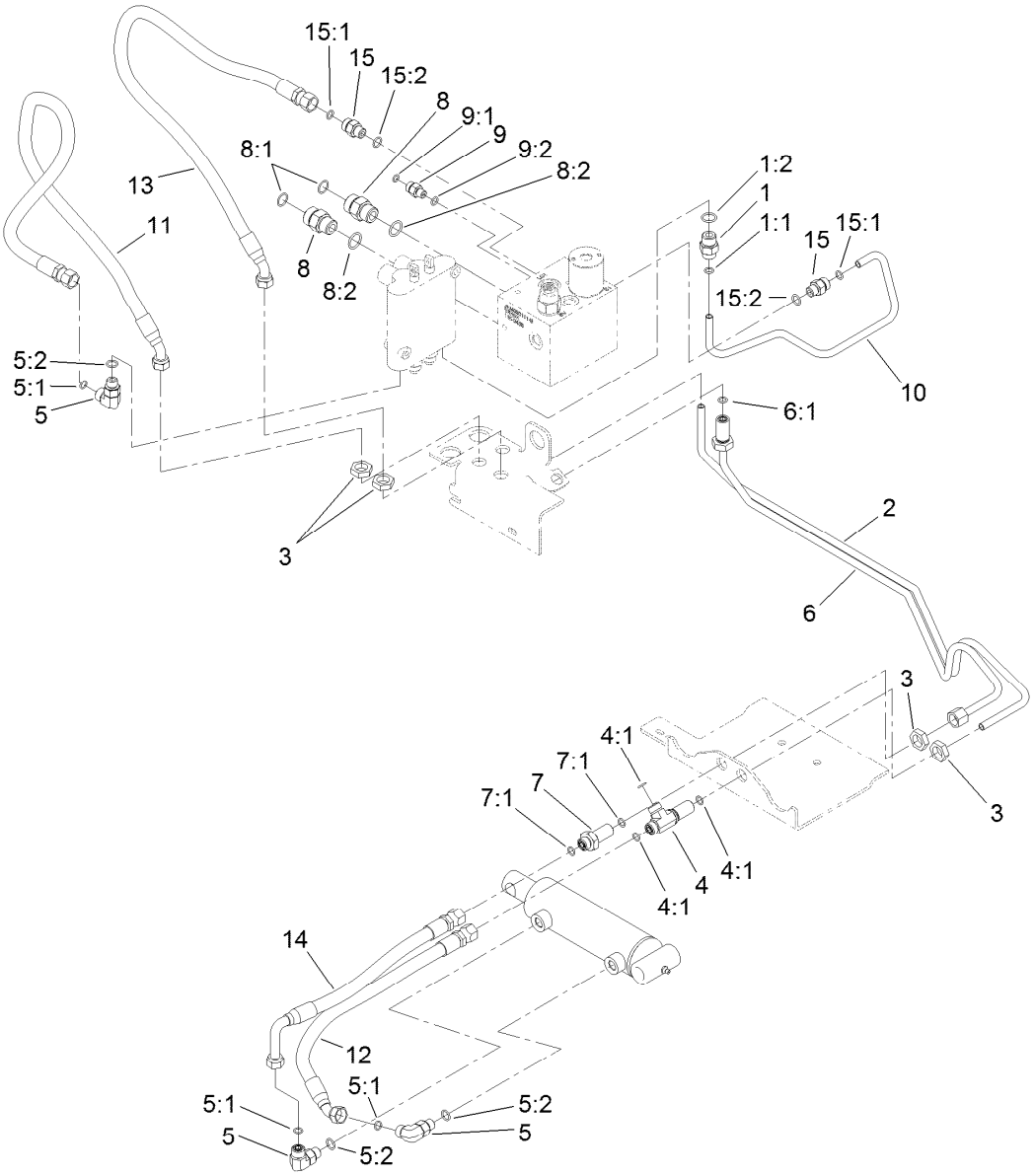
Ref.	Part Number	Qty.	Description
8:2	237-21	1	O-Ring
9	95-8838	1	Hose-HYD
10	340-132	1	Fitting-Elbow, 90 DEG
10:1	237-78	1	O-Ring
10:2	237-21	1	O-Ring
11	95-8839	1	Hose-HYD
12	69-8940	4	Washer
13	240-4	2	Grommet-Rubber
14	69-8970	2	Spacer
15	340-77	3	Fitting-Elbow, 90 DEG
15:1	237-22	1	O-Ring
15:2	237-42	1	O-Ring



Steering Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	95-8842	1	Hose-HYD
2	95-8843	1	Hose-HYD
3	100-4892	1	Hose-HYD
4	100-4893	1	Hose-HYD
5	120-3542	1	Hose-ASM
6	340-132	2	Fitting-Elbow, 90 DEG
6:1	237-78	1	O-Ring
6:2	237-21	1	O-Ring

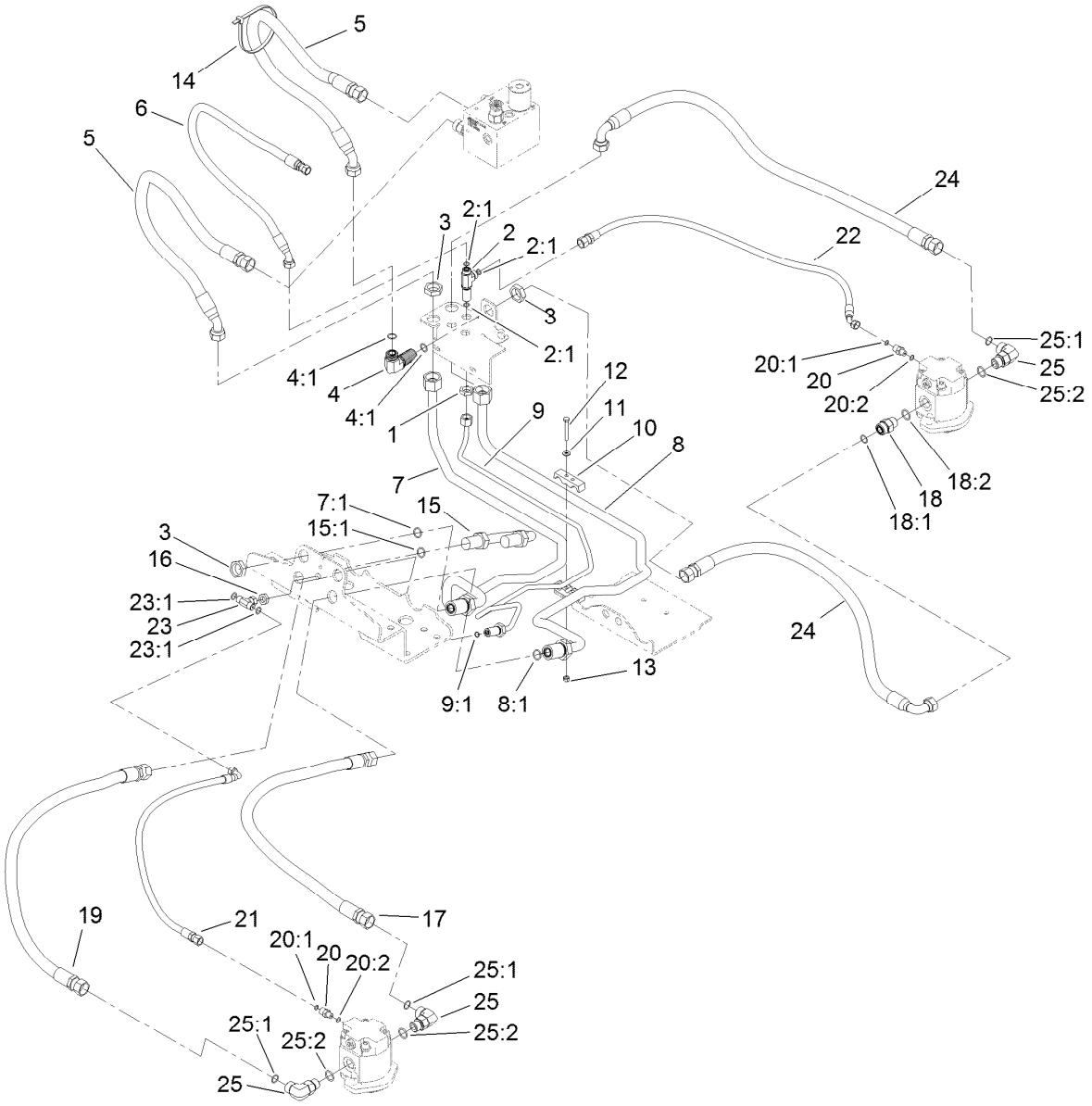
Ref.	Part Number	Qty.	Description
7	69-4320	1	Fitting-HYD, 90 DEG
7:1	237-22	1	O-Ring
7:2	237-42	1	O-Ring
8	340-77	2	Fitting-Elbow, 90 DEG
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	353-397	1	Reducer-Adapter
9:1	237-79	1	O-Ring



Sidewinder Hydraulic Assembly

Ref.	Part Number	Qty.	Description
1	340-3	1	Fitting-Straight
1:1	237-22	1	O-Ring
1:2	237-79	1	O-Ring
2	104-0402	1	Tube-HYD
3	340-70	4	Nut-Lock
4	340-68	1	Fitting-Tee, Bulkhead
4:1	237-22	3	O-Ring
5	340-77	3	Fitting-Elbow, 90 DEG
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	104-0403	1	Tube ASM
6:1	237-22	1	O-Ring
7	340-71	1	Fitting-Straight, Bulkhead
7:1	237-22	2	O-Ring

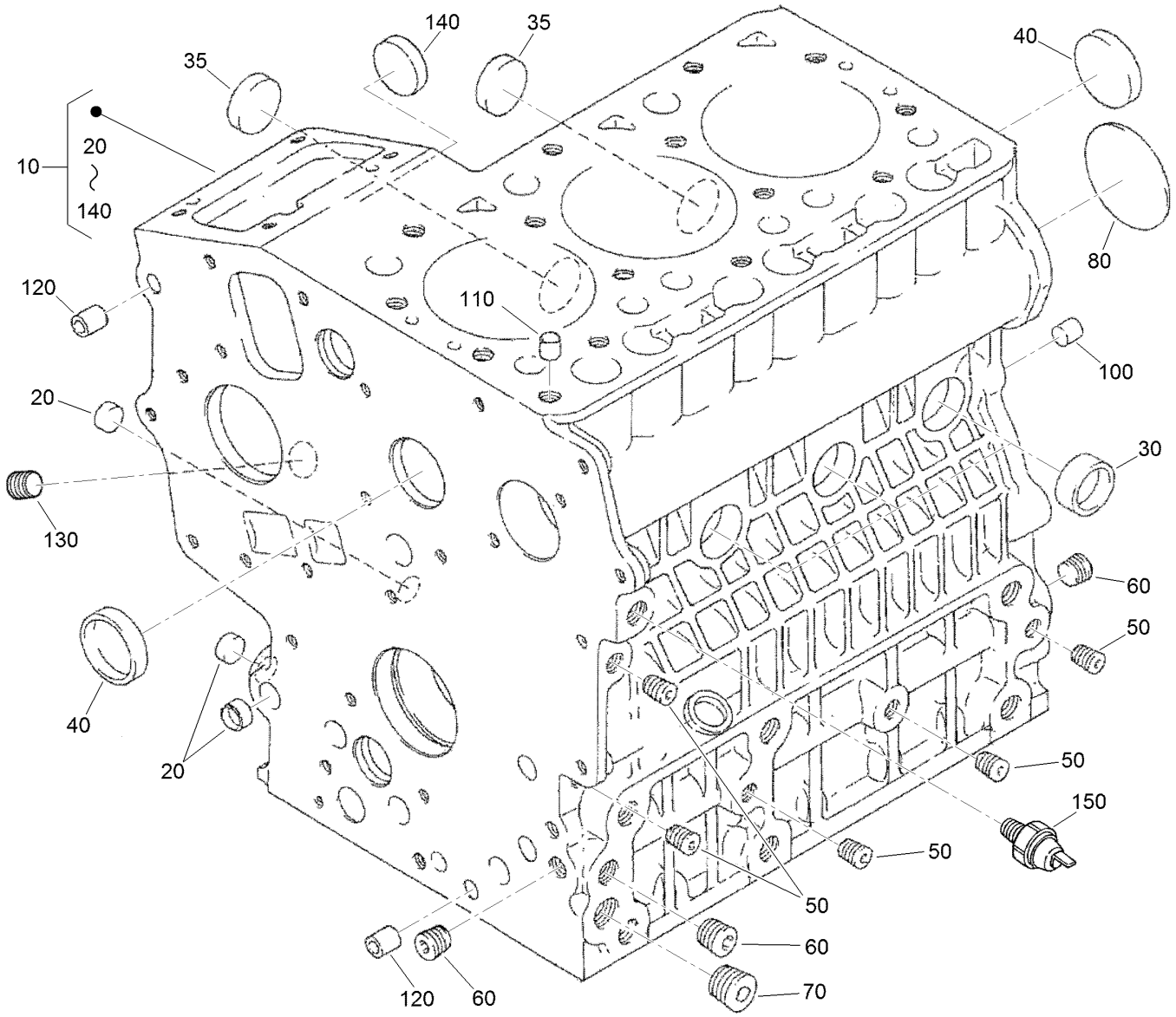
Ref.	Part Number	Qty.	Description
8	340-7	2	Fitting-Straight
8:1	237-65	1	O-Ring
8:2	237-80	1	O-Ring
9	340-92	1	Fitting-Straight
9:1	237-78	1	O-Ring
9:2	237-21	1	O-Ring
10	100-4827	1	Tube-HYD
11	95-8822	1	Hose-HYD
12	104-0405	1	Hose-HYD
13	95-8821	1	Hose-HYD
14	104-0406	1	Hose-HYD
15	340-2	2	Fitting-Straight
15:1	237-22	1	O-Ring
15:2	237-42	1	O-Ring



Mow Hydraulic Assembly

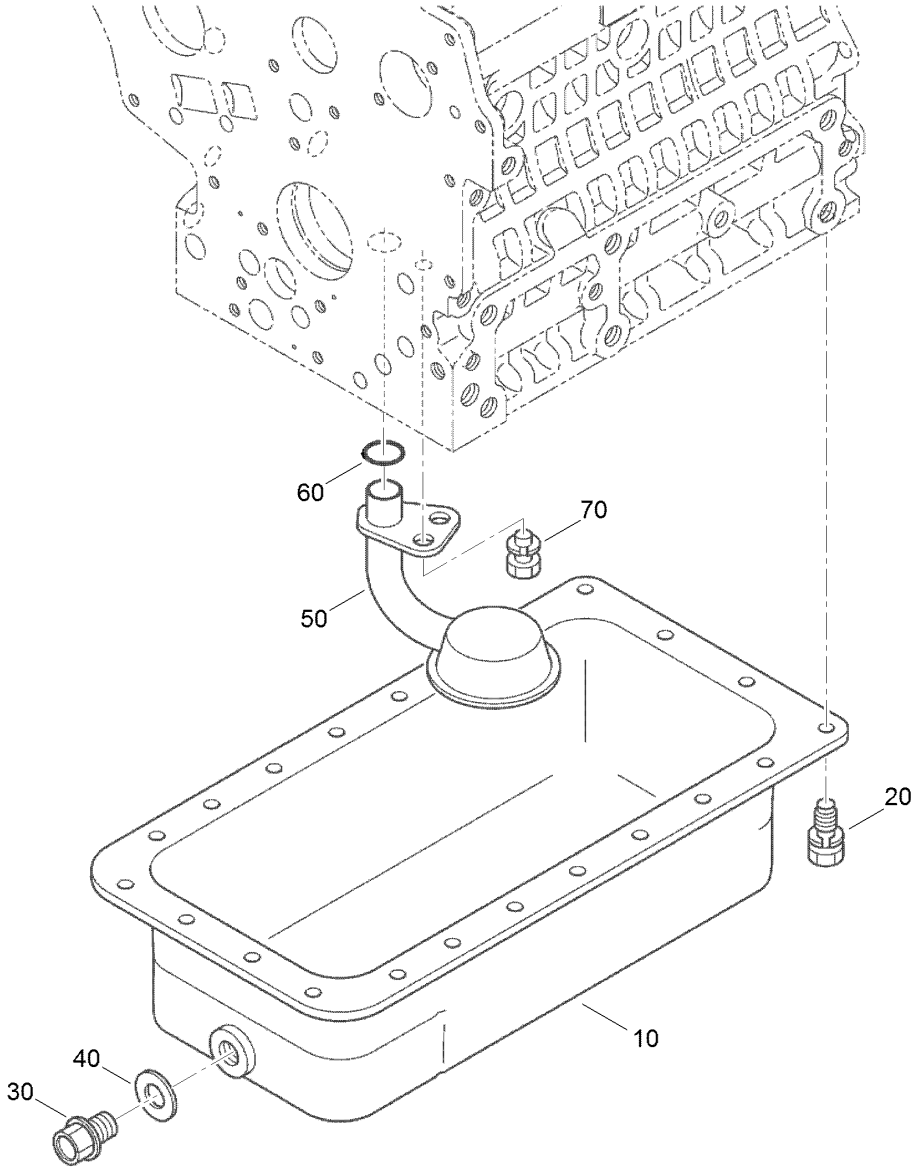
Ref.	Part Number	Qty.	Description
1	340-70	1	Nut-Lock
2	340-68	1	Fitting-Tee, Bulkhead
2:1	237-22	3	O-Ring
3	340-74	7	Nut-Lock, Bulkhead
4	340-72	1	Fitting-Bulkhead, 90 DEG
4:1	237-65	2	O-Ring
5	100-4879	2	Hose-HYD
6	115-3411	1	Hose-HYD
7	104-0401	1	Tube ASM
7:1	237-65	2	O-Ring
8	104-0400	1	Tube ASM
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
11	3256-22	4	Washer-Flat
12	321-11	2	Screw-HH
13	3296-42	2	Nut-Lock, NI
14	3334-945	2	Tie-Cable

Ref.	Part Number	Qty.	Description
15	99-3640	1	Tube ASM
15:1	237-65	2	O-Ring
16	340-78	1	Nut-Lock
17	105-1216	2	Hose-HYD
18	340-7	1	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	3	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	237-42	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



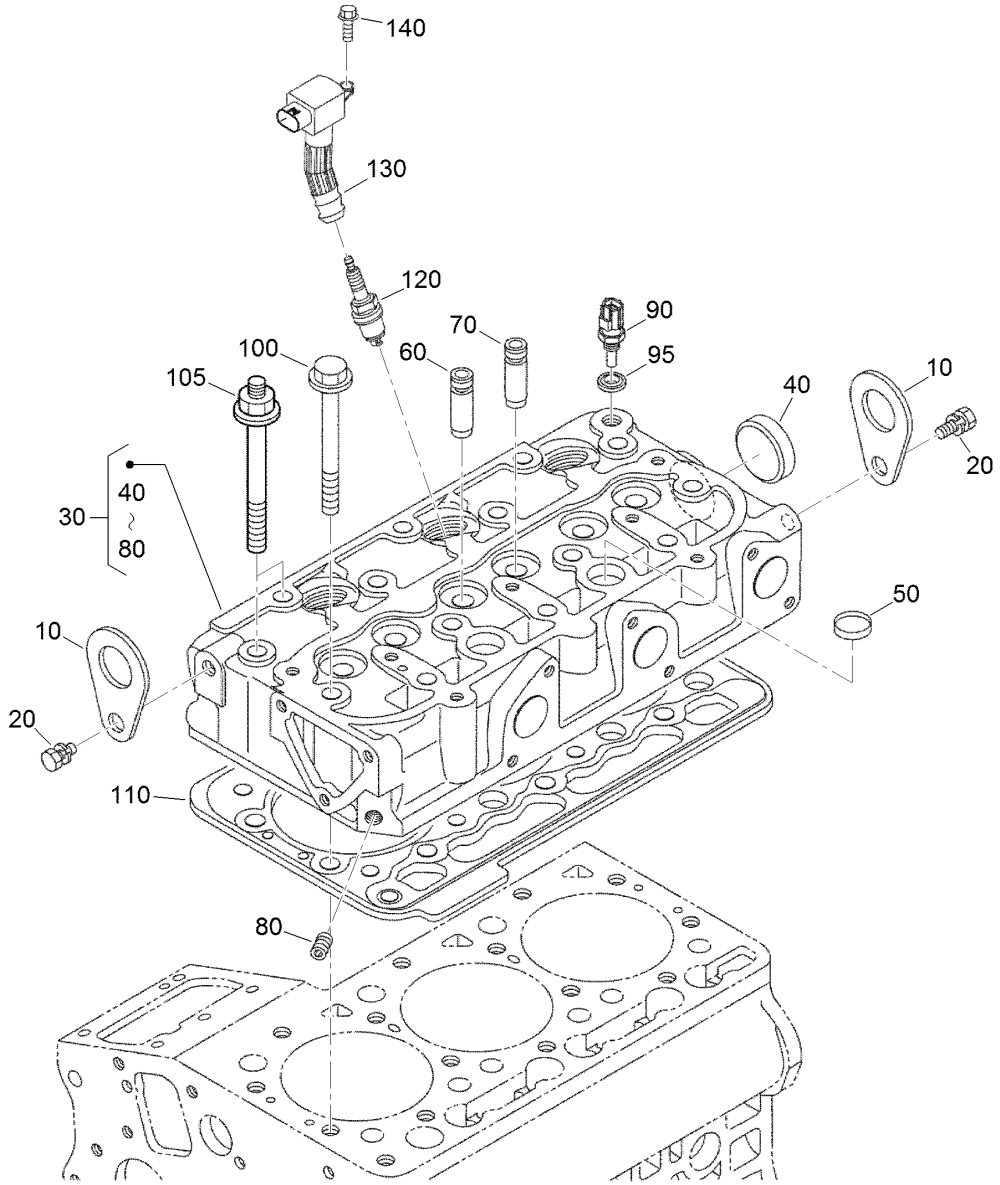
Crankcase Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	125-9061	1	Crankcase ASM
20	100-2019	3	Cap-Sealing
30	100-2020	3	Cap-Sealing
35	110-3702	2	Cap-Sealing
40	98-9398	2	Cap-Sealing
50	98-7540	5	Plug
60	98-7487	3	Plug
70	98-7488	1	Plug
80	100-1851	1	Plug-Expansion
100	98-9377	2	Pin-Straight
110	98-7506	1	Pin-Pipe
120	100-2051	2	Pin-Pipe
130	98-7488	1	Plug
140	100-1991	1	Cover-Fuel, Camshaft
150	98-9416	1	Switch-Oil



Oil Pan Assembly

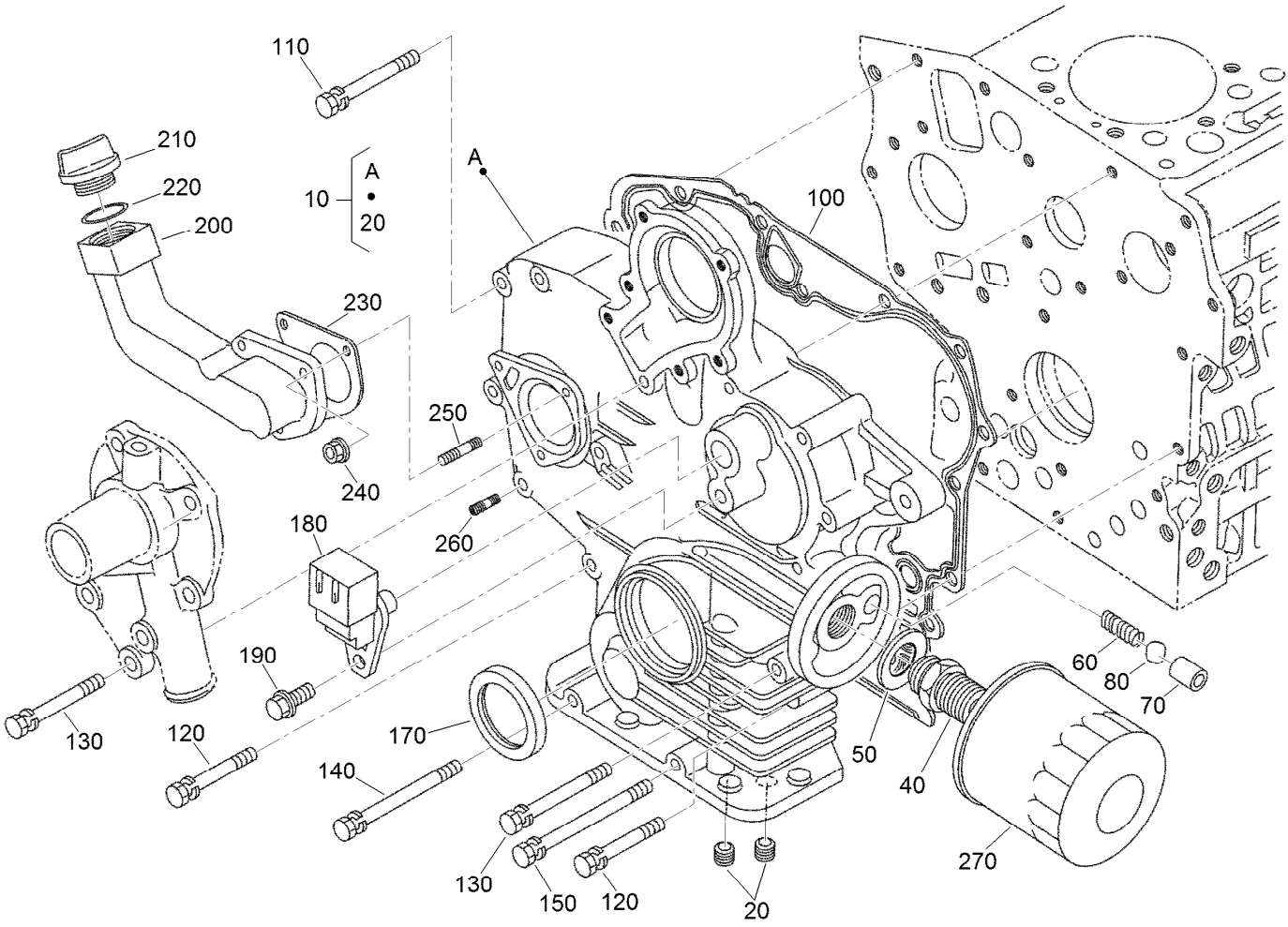
Ref.	*Part Number*	*Qty.*	*Description*
10	125-9056	1	Oil Pan ASM
20	98-9350	22	Bolt
30	114-8151	1	Plug-Drain
40	98-7524	1	Gasket
50	125-9052	1	Tube-Pick Up, Oil
60	105-3776	1	O-Ring
70	100-9195	1	Bolt



Cylinder Head Assembly

Ref.	Part Number	Qty.	Description
10	98-7531	2	Hook-Engine
20	98-7526	2	Bolt
30	125-9119	1	Cylinder Head ASM
40	105-3705	1	Cap-Sealing
50	98-9389	2	Cap-Sealing
60	100-1882	3	Guide-Valve, Inlet
70	100-1883	3	Guide-Valve, Exhaust
80	98-7540	1	Plug

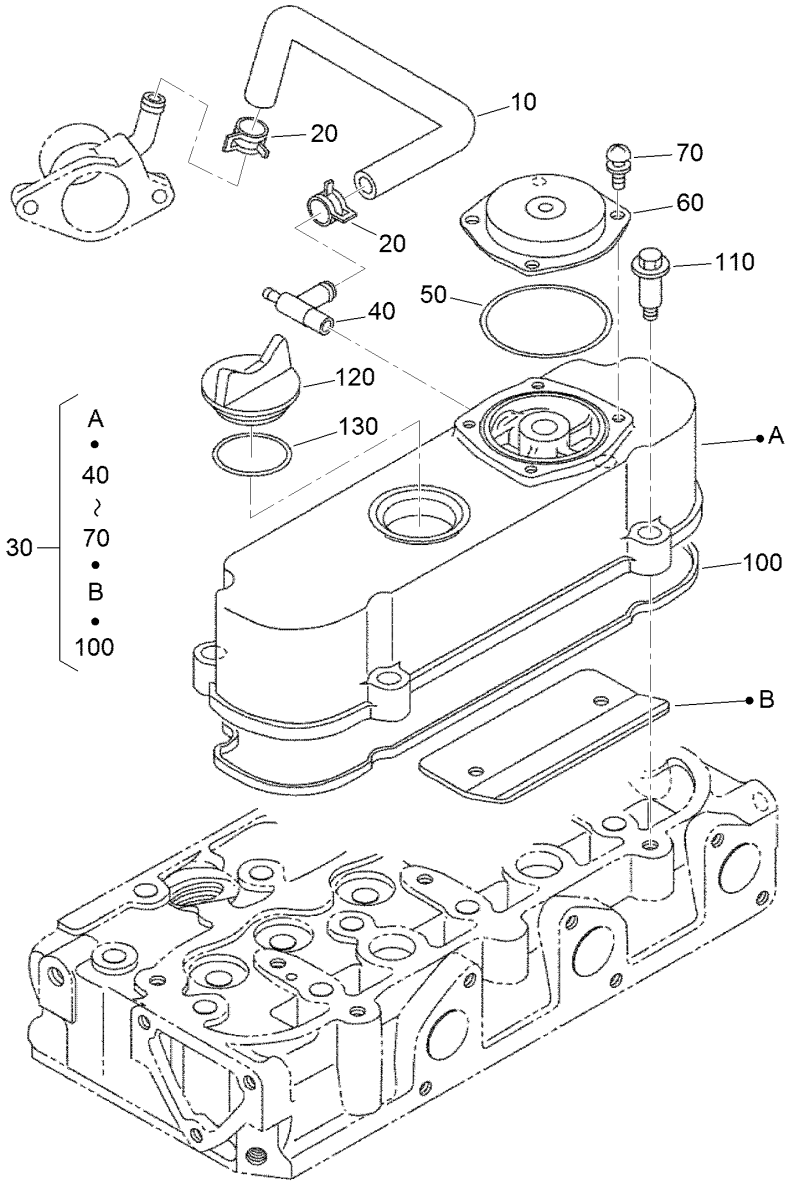
Ref.	Part Number	Qty.	Description
90	125-9102	1	Sensor-Temperature, Water
95	125-9096	1	Gasket
100	100-1820	12	Bolt-Head, Cylinder
105	127-1600	2	Bolt-Head, Cylinder
110	125-9113	1	Gasket-Head
120	125-9139	3	Spark Plug
130	125-9145	3	Coil-Ignition
140	99-8363	3	Bolt-Flange



Gear Case and Oil Filter Cartridge Assembly

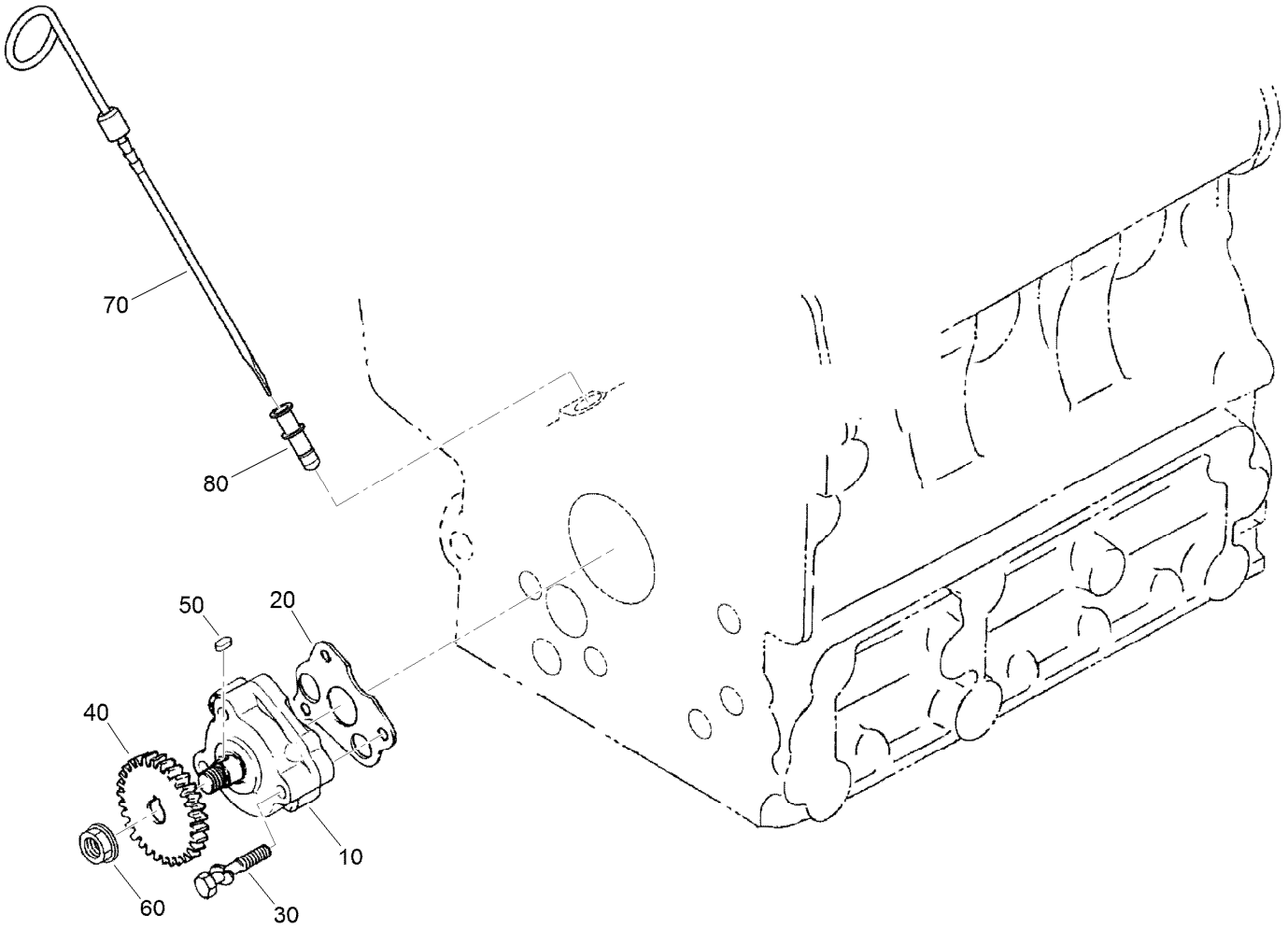
Ref.	Part Number	Qty.	Description
10	125-9151	1	Gear Case ASM
20	98-7488	1	Plug
40	98-9388	1	Joint-Pipe
50	100-1926	1	Washer-Plain
60	100-2004	1	Spring
70	100-1894	1	Seat-Valve
80	100-1792	1	Ball
100	117-0327	1	Gasket-Case, Gear
110	99-8320	1	Bolt
120	98-9356	9	Bolt
130	100-1922	3	Bolt
140	98-9357	1	Bolt

Ref.	Part Number	Qty.	Description
150	110-3710	1	Bolt
170	120-7852	1	Seal-Oil
180	125-9142	1	Sensor
190	99-8363	1	Bolt-Flange
200	127-1601	1	Flange-Filler, Oil
210	127-1602	1	Plug-Filler, Oil
220	127-1603	1	O-Ring
230	100-2062	1	Gasket
240	100-2203	3	Nut-Flange
250	100-1924	1	Stud
260	98-7571	3	Stud
270	115-8189	1	Filter-Oil, Engine



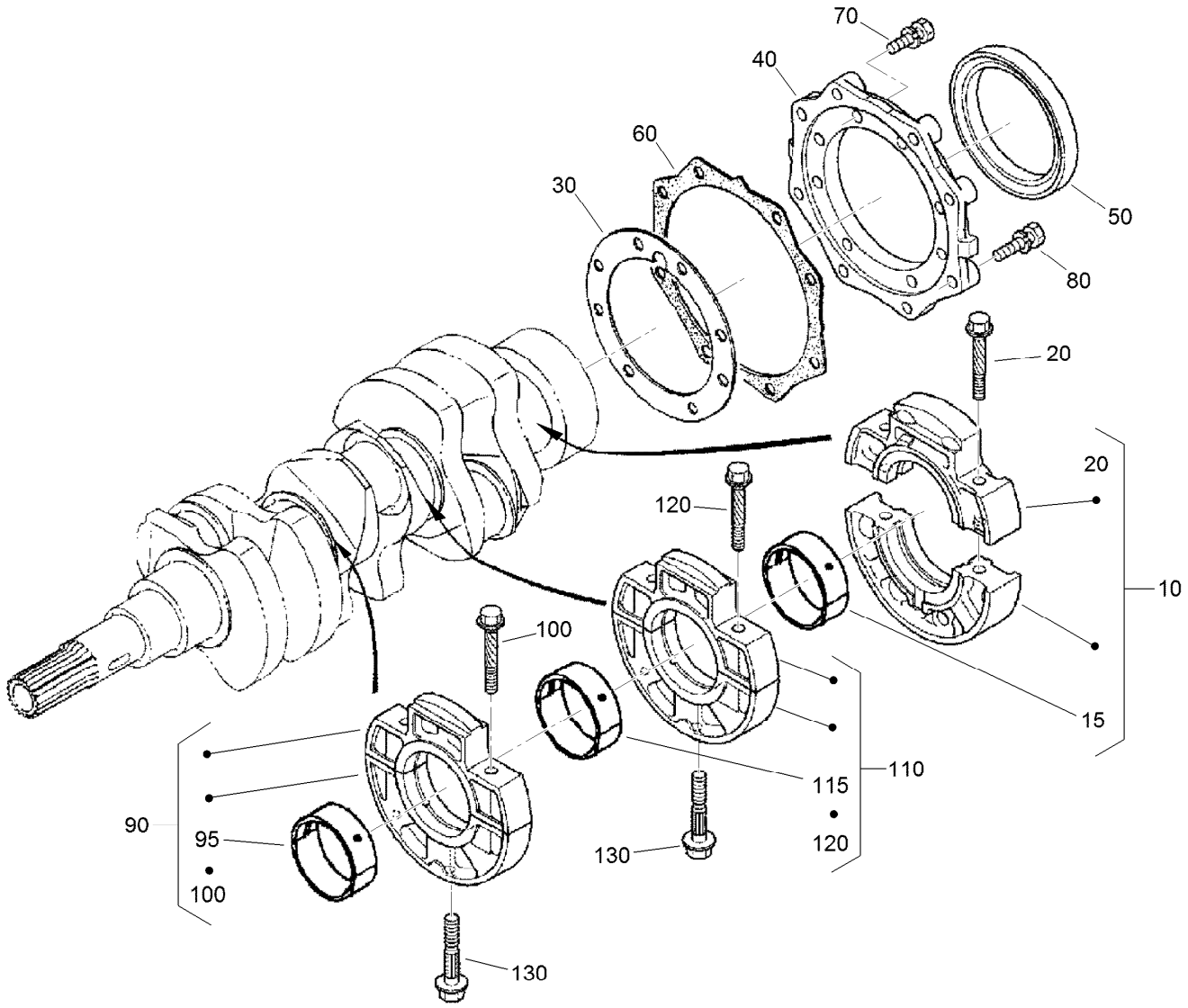
Cylinder Head Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	125-9120	1	Tube-Breather
20	98-9579	2	Band-Pipe
30	125-9129	1	Cylinder Head Cover ASM
40	125-9117	1	Pipe-Breather
50	110-3846	1	O Ring-Breather
60	108-7060	1	Cover-Breather
70	98-9364	4	Screw (With Washer)
100	125-9130	1	Gasket-Cover, Head
110	108-7063	4	Bolt
120	107-9075	1	Plug-Filler, Oil
130	99-3446	1	O-Ring



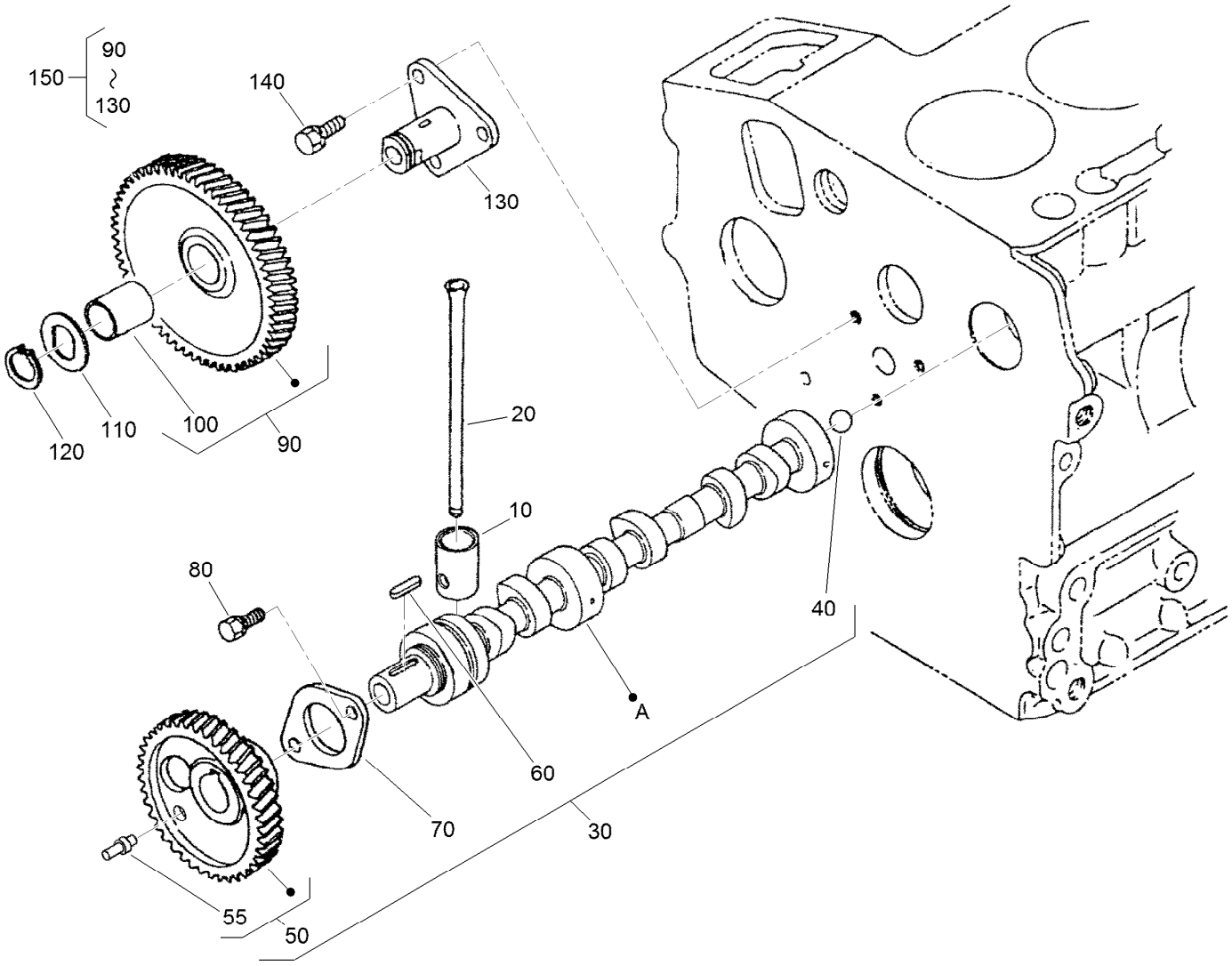
Oil Pump, Dipstick and Guide Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-2002	1	Oil Pump ASM
20	100-2003	1	Gasket-Pump, Oil
30	100-1923	3	Bolt
40	100-1893	1	Gear-Drive, Oil Pump
50	98-7658	1	Key-Feather
60	100-1779	1	Nut-Flange
70	110-3719	1	Gauge-Oil
80	105-4580	1	Guide-Gauge, Oil



Main Bearing Case Assembly

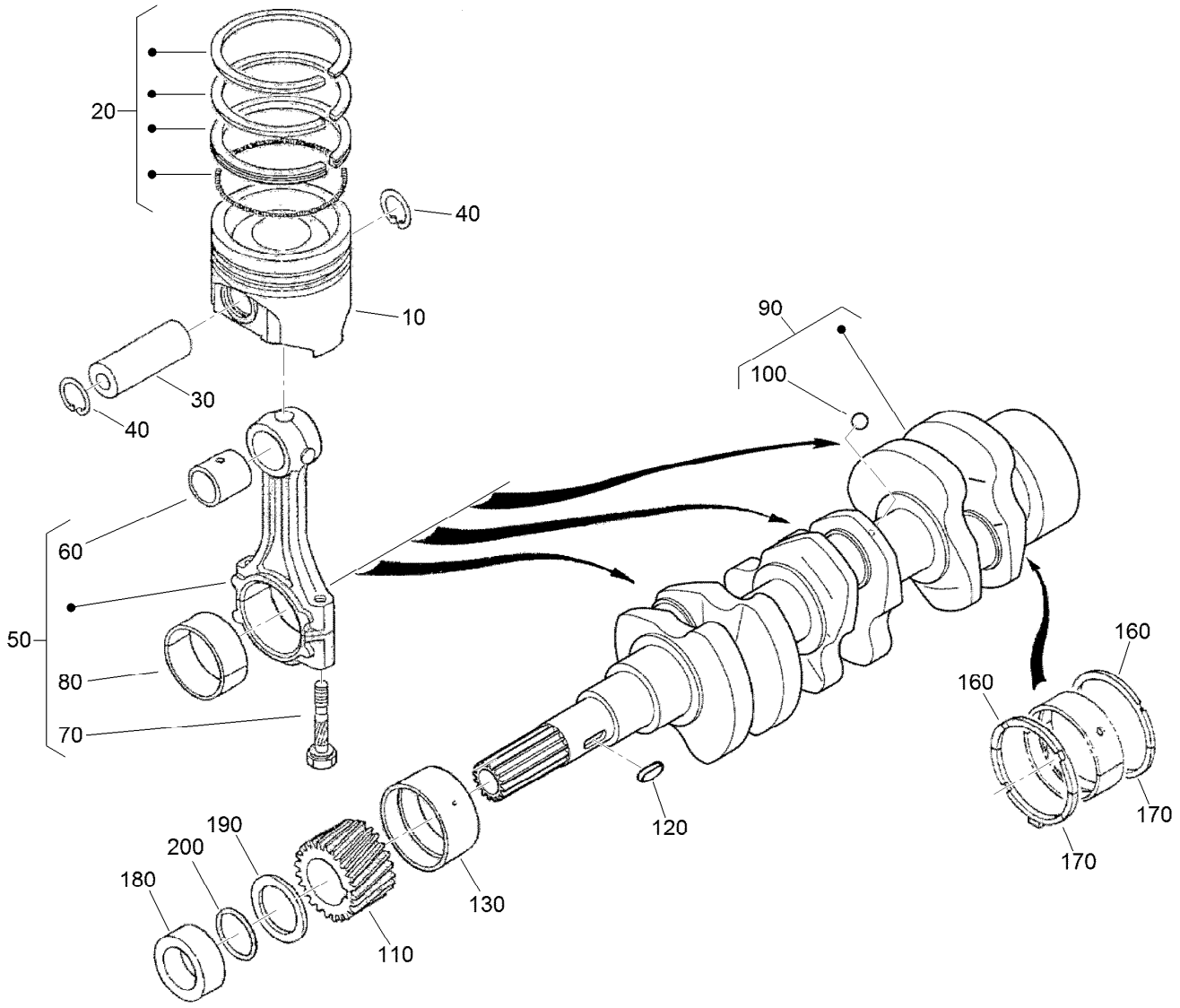
Ref.	Part Number	Qty.	Description
10	121-2426	1	Bearing Case Wheel ASM
15	110-3744	1	Crankshaft Metal ASM (STD)
15	110-3745	1	Crankshaft Metal ASM (-0.20MM)
15	110-3746	1	Crankshaft Metal ASM (-0.40MM)
20	110-3723	2	Bolt-Case, Bearing
30	100-1873	1	Gasket-Case, Bearing
40	112-8334	1	Cover-Case, Bearing
50	110-3724	1	Seal-Oil
60	100-1876	1	Gasket-Cover, Case
70	98-7568	8	Bolt
80	100-1750	8	Bolt
90	110-3725	1	Main Bearing Case ASM
95	110-3741	1	Crankshaft Metal ASM (STD)
95	110-3742	1	Crankshaft Metal ASM (-0.20MM)
95	110-3743	1	Crankshaft Metal ASM (-0.40Mm)
100	110-3723	2	Bolt-Case, Bearing
110	110-3725	1	Main Bearing Case ASM
115	110-3741	1	Crankshaft Metal ASM (STD)
115	110-3742	1	Crankshaft Metal ASM (-0.20MM)
115	110-3743	1	Crankshaft Metal ASM (-0.40Mm)
120	110-3723	2	Bolt-Case, Bearing
130	100-1874	2	Bolt-Case, Bearing



Cam Shaft and Idle Gear Shaft Assembly

Ref.	Part Number	Qty.	Description
10	110-3727	6	Tappet
20	100-1989	6	Rod-Push
30	125-9131	1	Camshaft ASM
40	110-3729	1	Ball
50	125-9132	1	Cam Gear ASM
55	125-9133	2	Pin-Gear, Cam
60	98-9378	1	Key-Feather
70	100-1887	1	Stopper-Camshaft

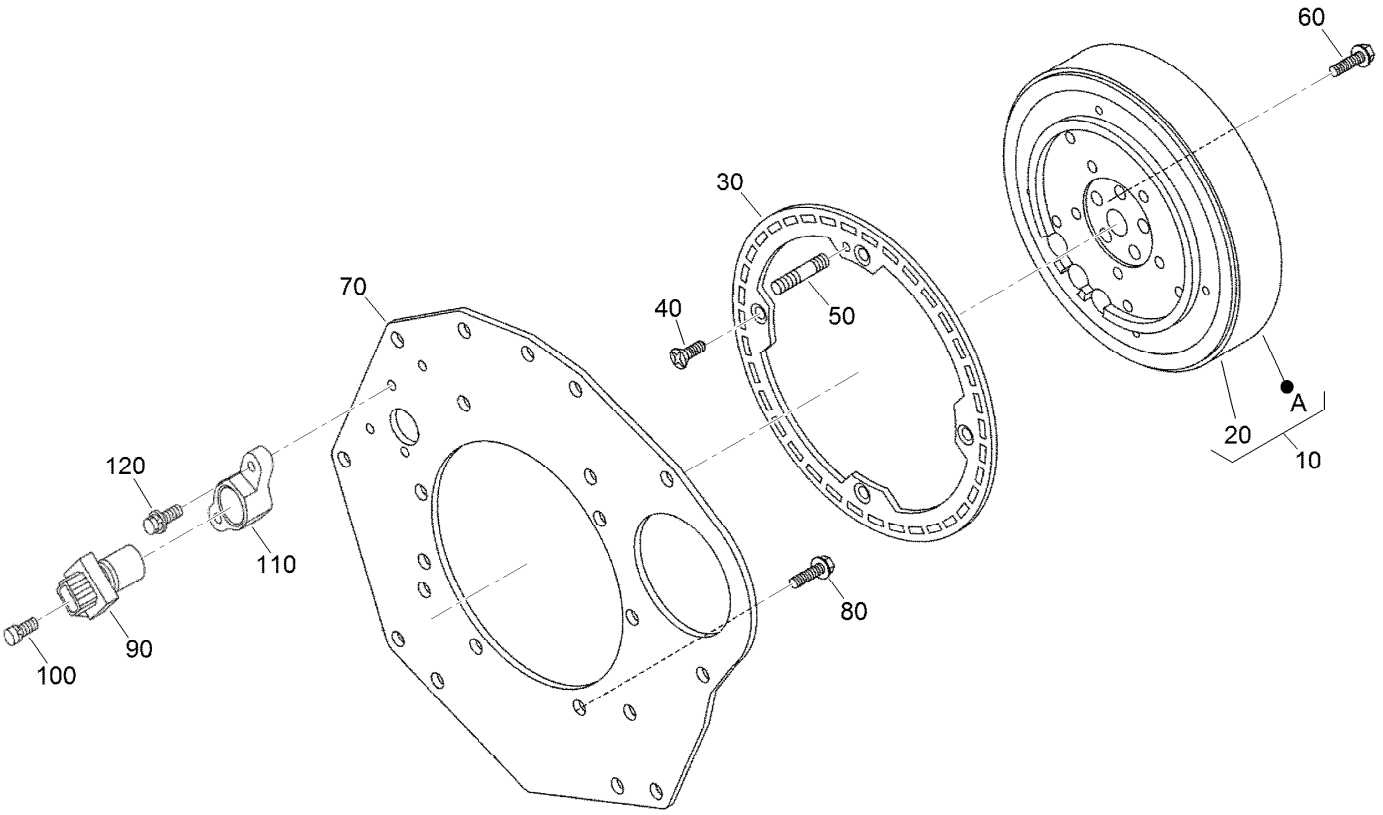
Ref.	Part Number	Qty.	Description
80	98-9350	2	Bolt
90	100-1966	1	Gear-Idle
100	100-1968	1	Bushing
110	100-1970	1	Collar-Gear, Idle
120	100-1969	1	Ring-Snap
130	100-1967	1	Shaft-Gear, Idle
140	100-1774	3	Bolt-Flange
150	100-2240	1	Idle Gear ASM



Piston and Crankshaft Assembly

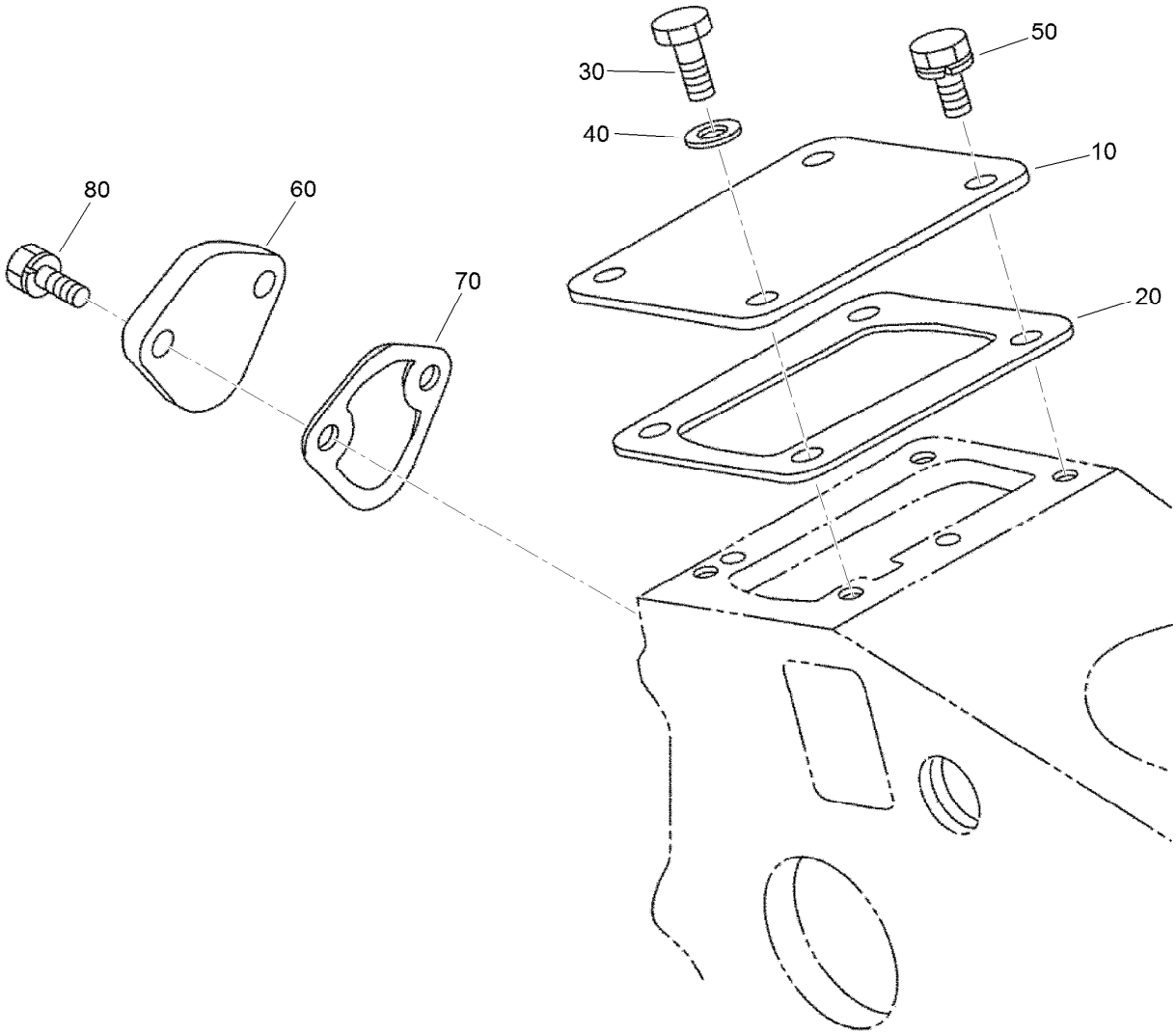
Ref.	*Part Number*	*Qty.*	*Description*
10	125-9115	3	Piston (STD)
10	125-9116	3	Piston (+0.50Mm)
20	125-9134	3	Piston Ring ASM (STD)
20	125-9135	3	Piston Ring ASM (+0.50Mm)
30	110-3734	3	Pin-Piston
40	100-1835	6	Circlip-Internal
50	125-9070	3	Connecting Rod ASM
60	110-3736	3	Bushing-Pin, Piston
70	100-1999	6	Bolt-Rod, Connecting
80	100-2000	3	Metal-Crankpin (STD)
80	100-1942	3	Metal-Crankpin (-0.20Mm)
80	100-1943	3	Metal-Crankpin (-0.40Mm)
90	117-0308	1	Crankshaft
100	100-1791	3	Ball
110	100-1891	1	Gear-Crankshaft

Ref.	*Part Number*	*Qty.*	*Description*
120	100-1752	1	Key-Feather
130	110-3738	1	Metal-Crankshaft (STD)
130	110-3739	1	Metal-Crankshaft (-.0.20MM)
130	110-3740	1	Metal-Crankshaft (-0.40MM)
160	100-1836	2	Metal-Side (STD)
160	100-1838	2	Metal-Side (+0.20MM)
160	100-1839	2	Metal-Side (+0.40MM)
170	117-0309	2	Metal-Side (STD)
170	100-1840	2	Metal-Side (+0.2MM)
170	100-1841	2	Metal-Side (+0.4MM)
180	100-1890	1	Collar-Crankshaft
190	100-1974	1	Slinger-Oil
200	100-2209	1	O-Ring



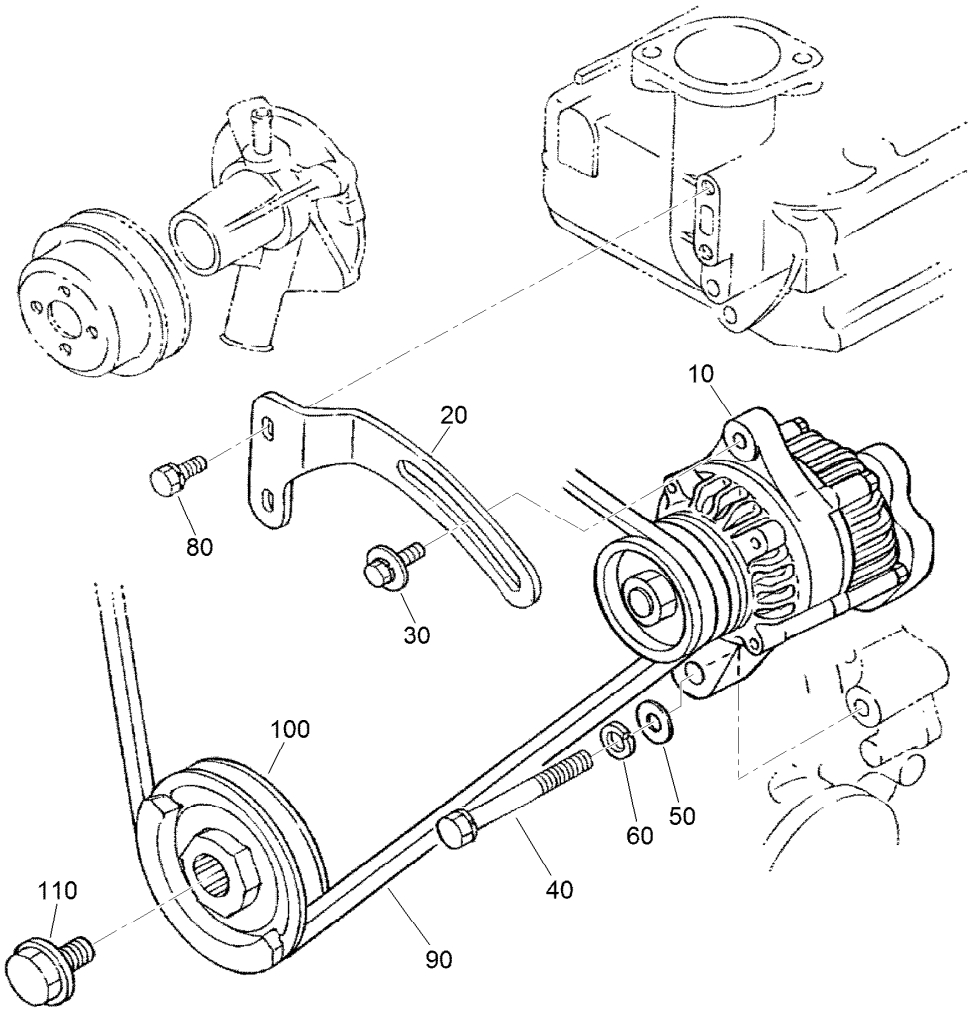
Flywheel and Sensor Switch Assembly

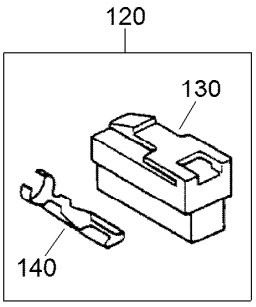
Ref.	*Part Number*	*Qty.*	*Description*
10	125-9153	1	Flywheel ASM
20	127-1604	1	Gear-Ring
30	127-1605	1	Rotor
40	127-0407	4	Screw-Head, Flat
50	127-0412	1	Pin-Straight
60	125-9051	5	Bolt-Flywheel
70	125-9152	1	Plate-End, Rear
80	110-3754	10	Bolt
90	125-9103	1	Sensor Stick ASM
100	125-9094	1	Bolt-Flange
110	125-9144	1	Holder-Sensor
120	108-2873	1	Bolt-Flange



Injection and Fuel Pump Covers Assembly

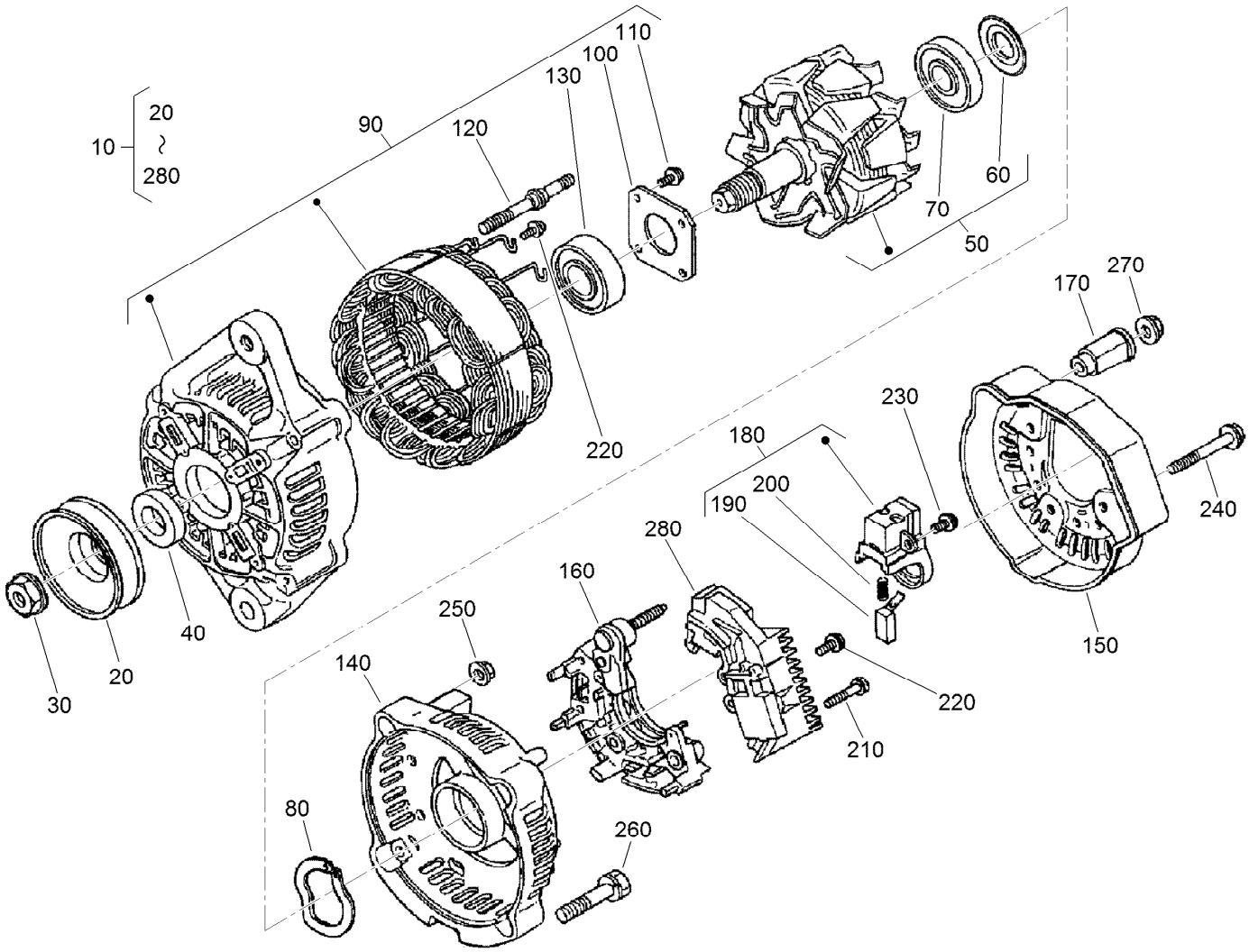
Ref.	*Part Number*	*Qty.*	*Description*
10	125-9098	1	Cover
20	125-9105	1	Gasket
30	99-8348	1	Bolt
40	98-7654	1	Gasket
50	98-9350	3	Bolt
60	99-3514	1	Cover
70	98-9636	1	Gasket-Pump, Fuel
80	98-7692	2	Bolt





Alternator and Pulley Assembly

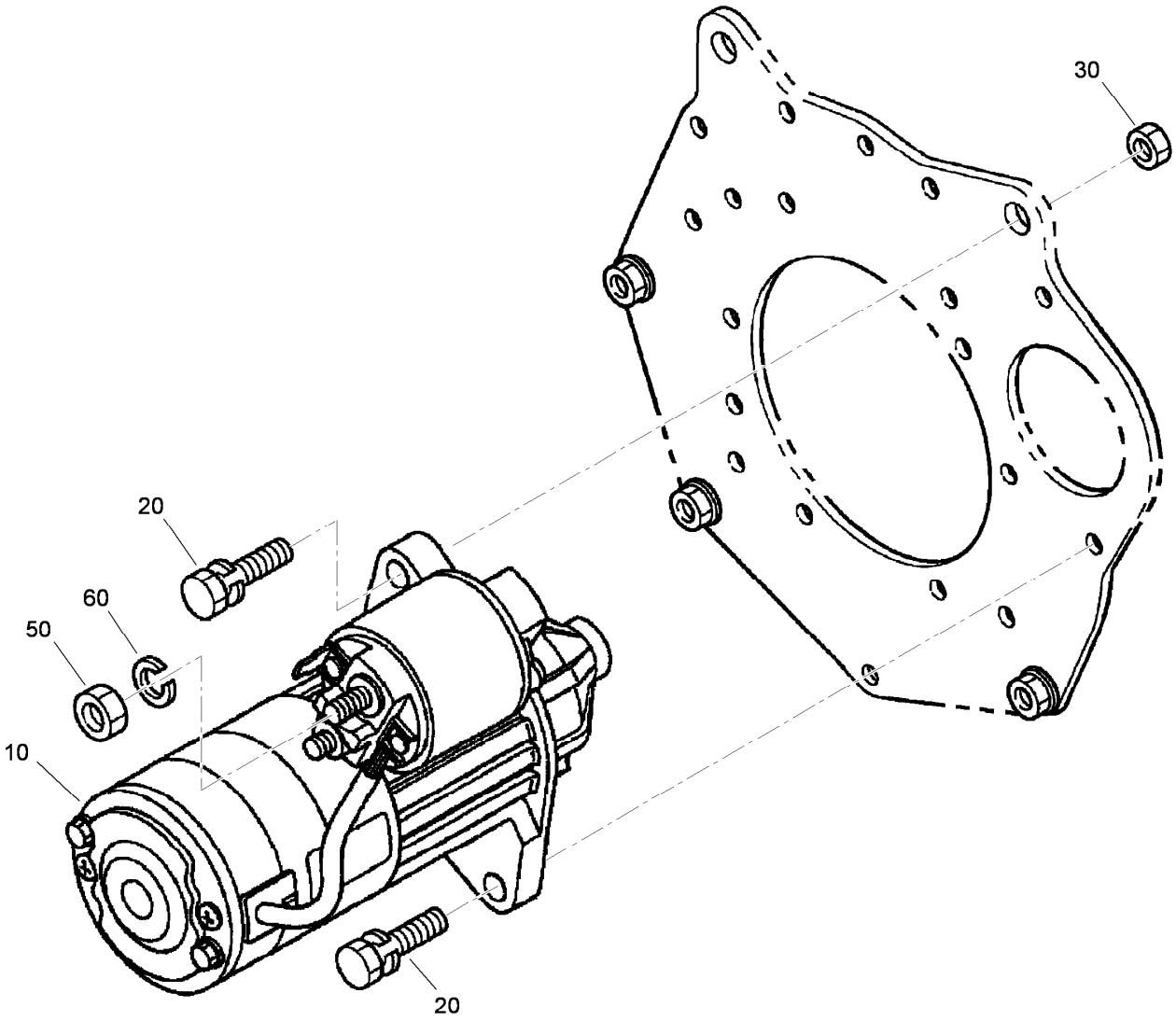
Ref.	*Part Number*	*Qty.*	*Description*
10	131-6557	1	Alternator ASM
20	117-0314	1	Stay-Alternator
30	121-2413	1	Bolt
40	125-9091	1	Bolt-Hex
50	120-5832	1	Washer-Plain
60	105-2893	1	Washer-Spring
80	98-7692	2	Bolt
90	100-1979	1	V-Belt
100	125-9154	1	Pulley-Drive, Fan
110	100-1978	1	Bolt
120	110-3796	1	Belt-V
130	98-9698	1	Connector
140	98-9699	2	Terminal



Alternator Components Assembly

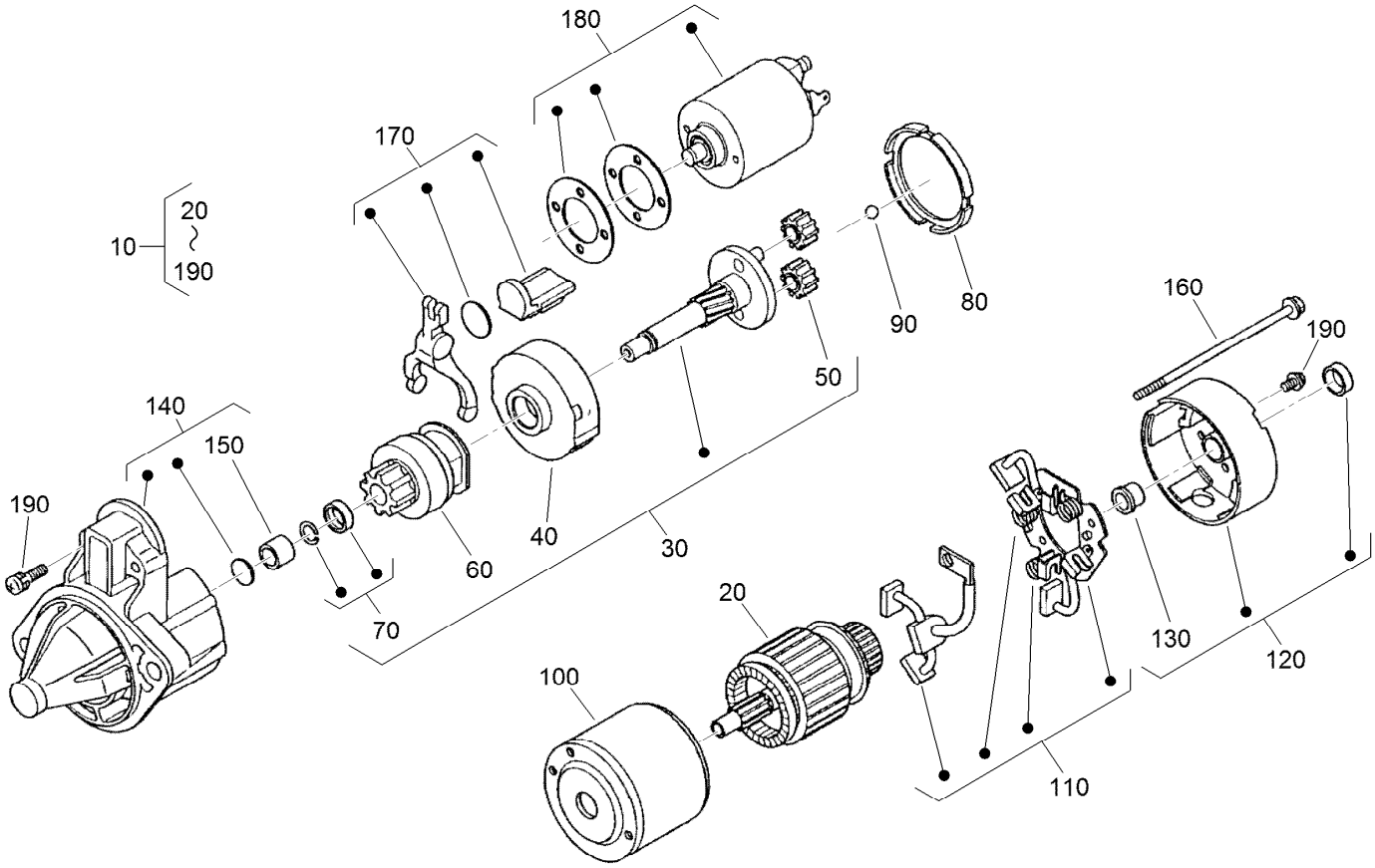
Ref.	Part Number	Qty.	Description
10	131-6557	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	107-0137	1	Bearing-Ball
140	107-9087	1	Frame-End

Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	98-7721	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 Installation Assembly

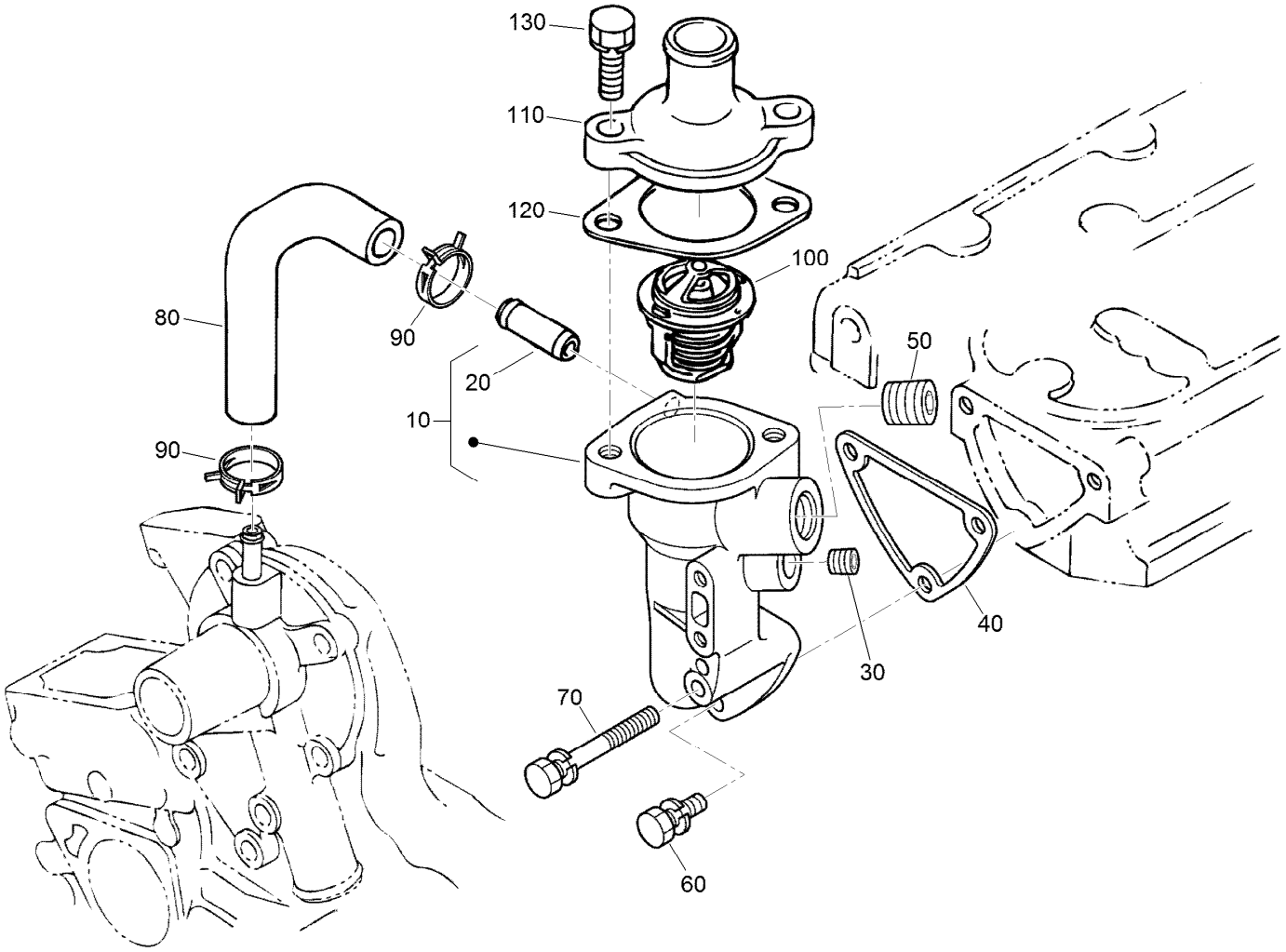
Ref.	*Part Number*	*Qty.*	*Description*
10	110-3800	1	Starter ASM
20	98-7697	2	Bolt
30	98-7534	2	Nut
50	98-7534	1	Nut
60	105-2893	1	Washer-Spring



Starter Components Assembly

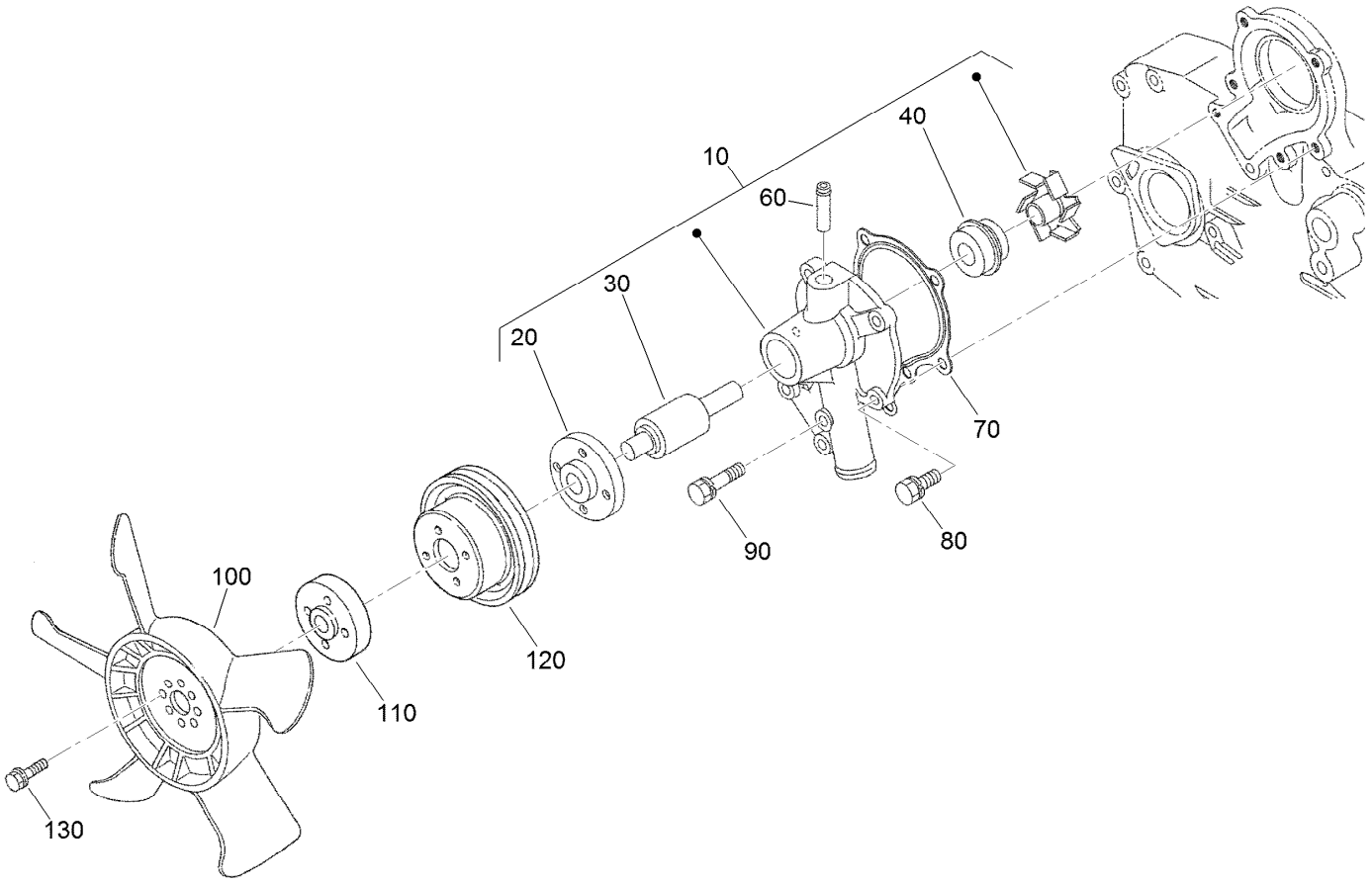
Ref.	Part Number	Qty.	Description
10	110-3800	1	Starter ASM
20	110-3801	1	Armature
30	110-3802	1	Shaft ASM
40	120-3142	1	Gear-Internal
50	110-3804	3	Gear-Planetary
60	110-3805	1	Clutch-Running, Over
70	110-3806	1	Stopper
80	120-3143	1	Gasket
90	110-3808	1	Ball
100	110-3809	1	Yoke

Ref.	Part Number	Qty.	Description
110	110-3810	1	Brush Holder ASM
120	110-3811	1	Rear Bracket ASM
130	110-3812	1	Bushing
140	110-3813	1	Front Bracket ASM
150	110-3814	1	Bushing
160	110-3815	2	Bolt
170	110-3816	1	Fork Lever ASM
180	125-9099	1	Switch-Magnetic
190	110-3818	1	Screws (Set Of 4)



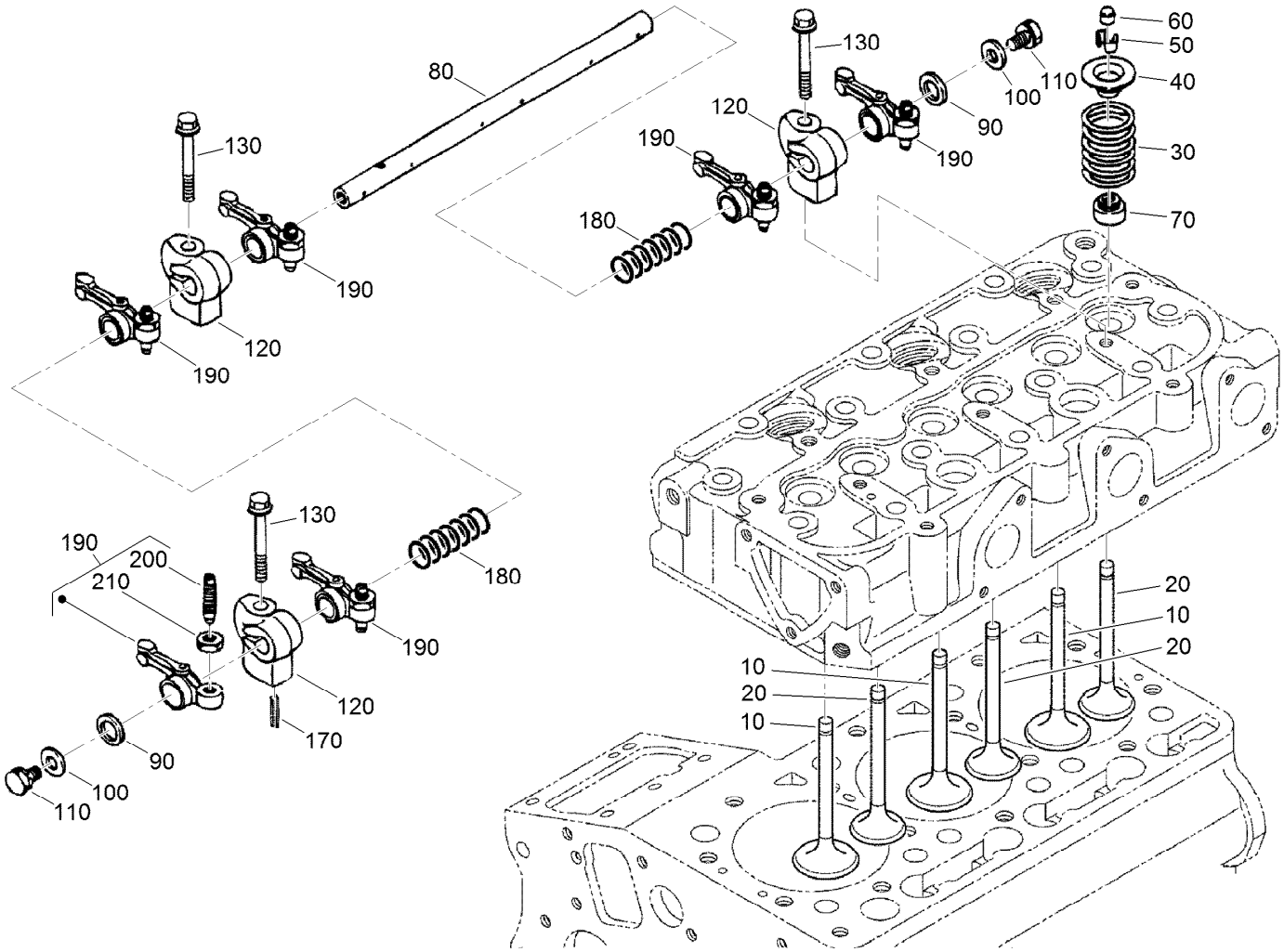
Water Flange and Thermostat Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	121-2414	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
30	98-9444	1	Plug
40	110-3820	1	Gasket-Flange, Water
50	110-3821	1	Plug
60	98-7692	2	Bolt
70	105-3797	1	Bolt
80	100-2017	1	Pipe-Return, Water
90	121-3835	2	Clamp-Hose
100	98-7778	1	Thermostat ASM
110	121-2415	1	Cover-Thermostat
120	105-3748	1	Gasket-Thermostat
130	98-7438	2	Bolt



Water Pump and Cooler Fan Assembly

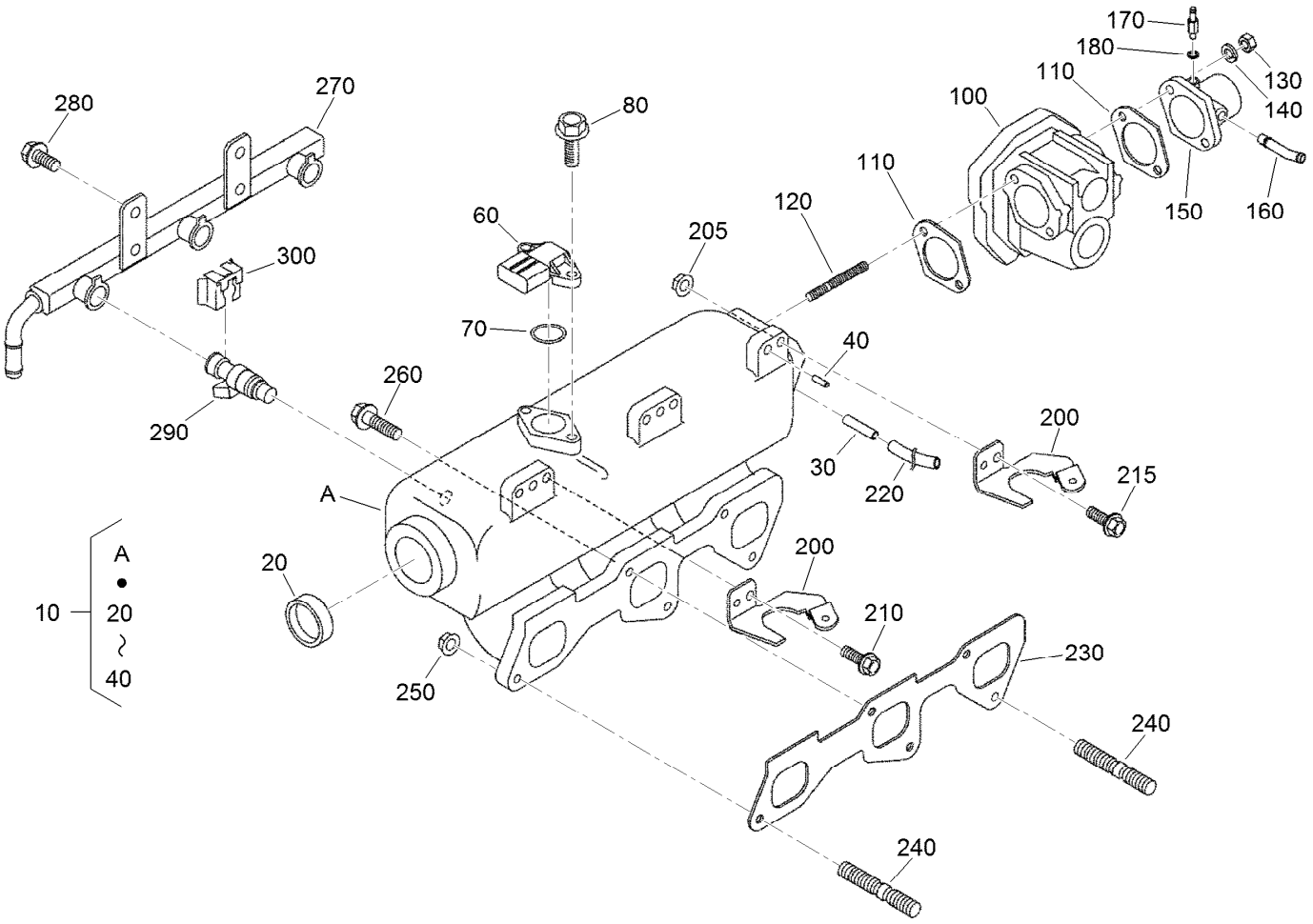
Ref.	*Part Number*	*Qty.*	*Description*
10	127-1607	1	Water Pump ASM
20	100-1933	1	Flange-Pump, Water
30	100-1934	1	Bearing-Ball
40	99-3518	1	Water Pump Seal ASM
60	100-1932	1	Pipe-Return, Water
70	117-0330	1	Gasket-Pump, Water
80	100-1750	4	Bolt
90	100-1764	1	Bolt
100	127-1608	1	Fan
110	108-2872	1	Collar-Fan
120	100-1921	1	Pulley-Fan
130	108-2873	2	Bolt-Flange



Valve and Rocker Arm Assembly

Ref.	Part Number	Qty.	Description
10	125-9106	3	Valve-Inlet
20	125-9114	3	Valve-Exhaust
30	100-1823	6	Spring-Valve
40	100-1825	6	Retainer-Spring, Valve
50	120-3136	6	Collet-Spring, Valve
60	100-2155	6	Cap-Valve
70	125-9128	6	Seal-Stem, Valve
80	110-3831	1	Shaft-Arm, Rocker
90	100-2044	2	Washer

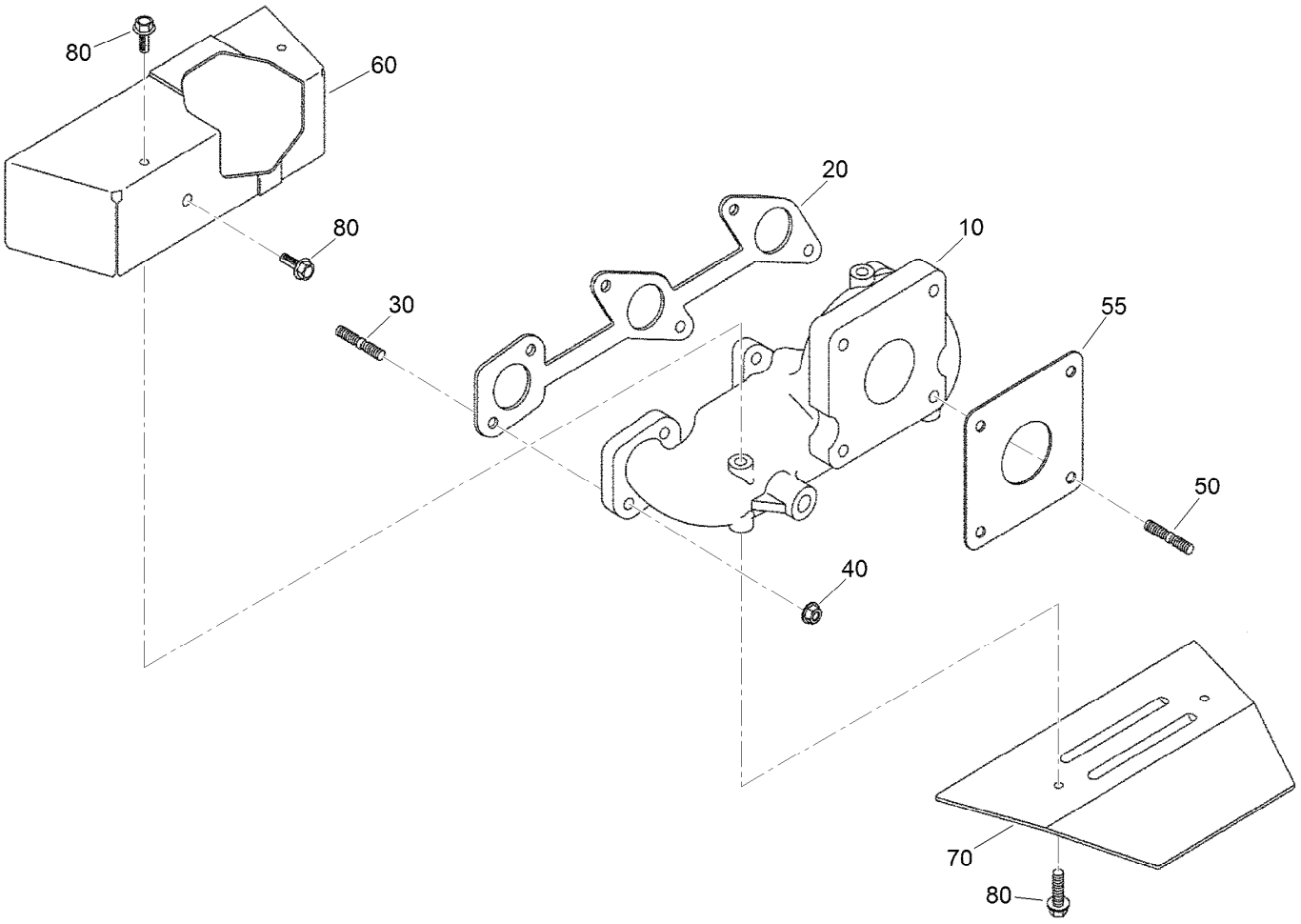
Ref.	Part Number	Qty.	Description
100	100-1927	2	Washer-Plain
110	100-9265	2	Bolt
120	110-3833	3	Bracket-Arm, Rocker
130	110-3834	3	Bolt-Flange
170	98-7602	1	Pin-Spring
180	110-3835	2	Spring
190	100-1884	6	Rocker Arm ASM
200	100-1885	6	Screw-Adjusting
210	100-1827	6	Nut



Inlet Manifold Assembly

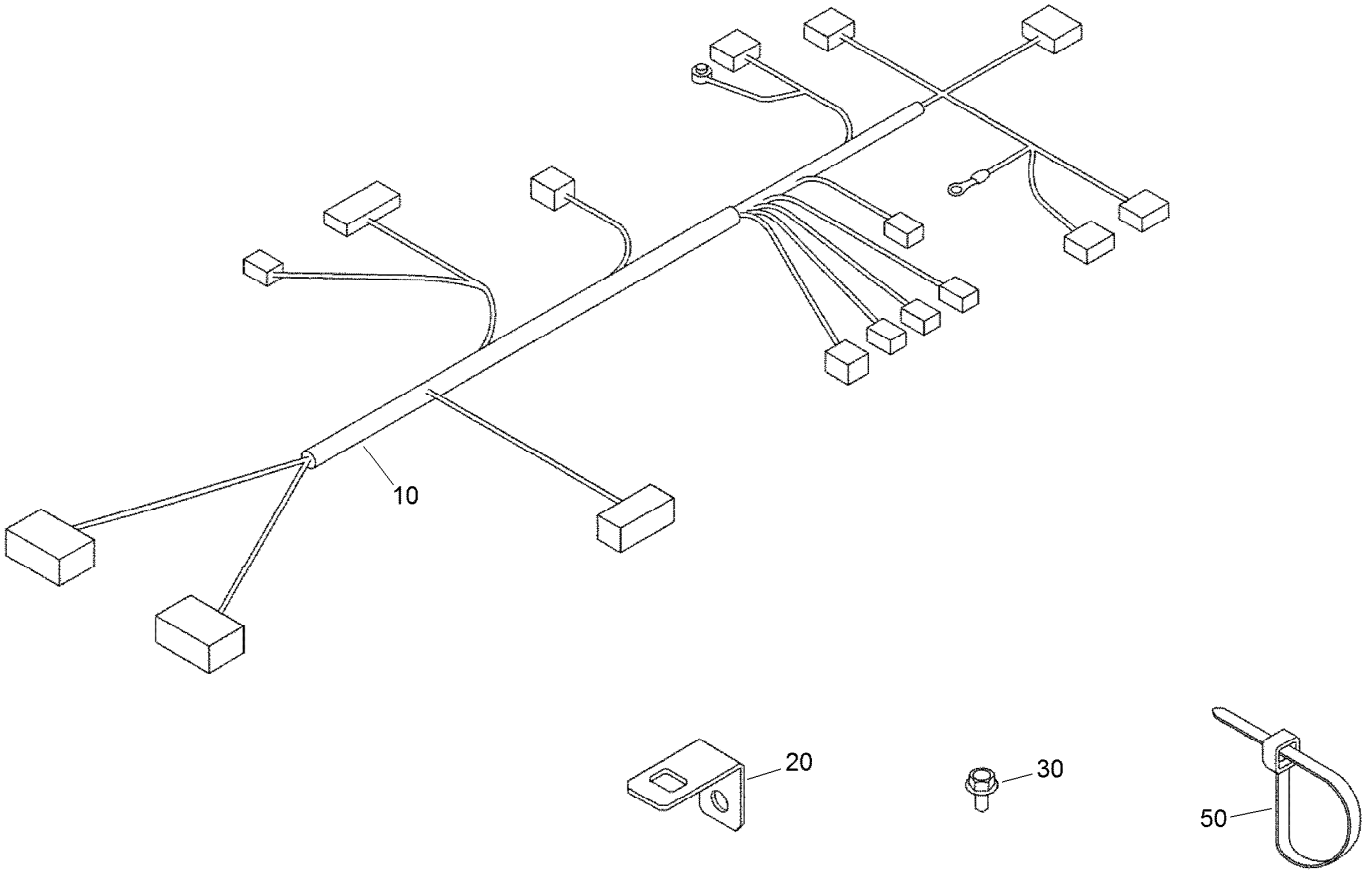
Ref.	Part Number	Qty.	Description
10	125-9122	1	Intake Manifold ASM
20	98-7539	1	Cap-Sealing
30	125-9158	1	Pin-Pipe
40	98-9375	3	Pin-Straight
60	125-9110	1	Sensor (Tmap)
70	125-9112	1	O Ring
80	125-9111	2	Bolt-Flange
100	125-9136	1	Throttle Body ASM
110	125-9104	2	Gasket-Cleaner, Air
120	125-9093	2	Stud
130	98-7534	2	Nut
140	105-2893	2	Washer-Spring
150	125-9121	1	Flange-Cleaner, Air
160	110-3837	1	Pipe-Breather
170	98-9431	1	Screw-Bleeder, Air

Ref.	Part Number	Qty.	Description
180	98-7654	1	Gasket
200	125-9146	3	Stay-Coil, Ignition
205	100-2203	1	Nut-Flange
210	99-8363	2	Bolt-Flange
215	105-3789	1	Bolt
220	125-9097	1	Tube-Fuel
230	125-9123	1	Gasket-Manifold, Intake
240	125-9092	2	Stud
250	100-2203	2	Nut-Flange
260	98-9352	3	Bolt
270	125-9137	1	Rail-Ignition, Fuel
280	98-7692	2	Bolt
290	125-9107	3	Injector
300	125-9138	3	Stopper-Injector



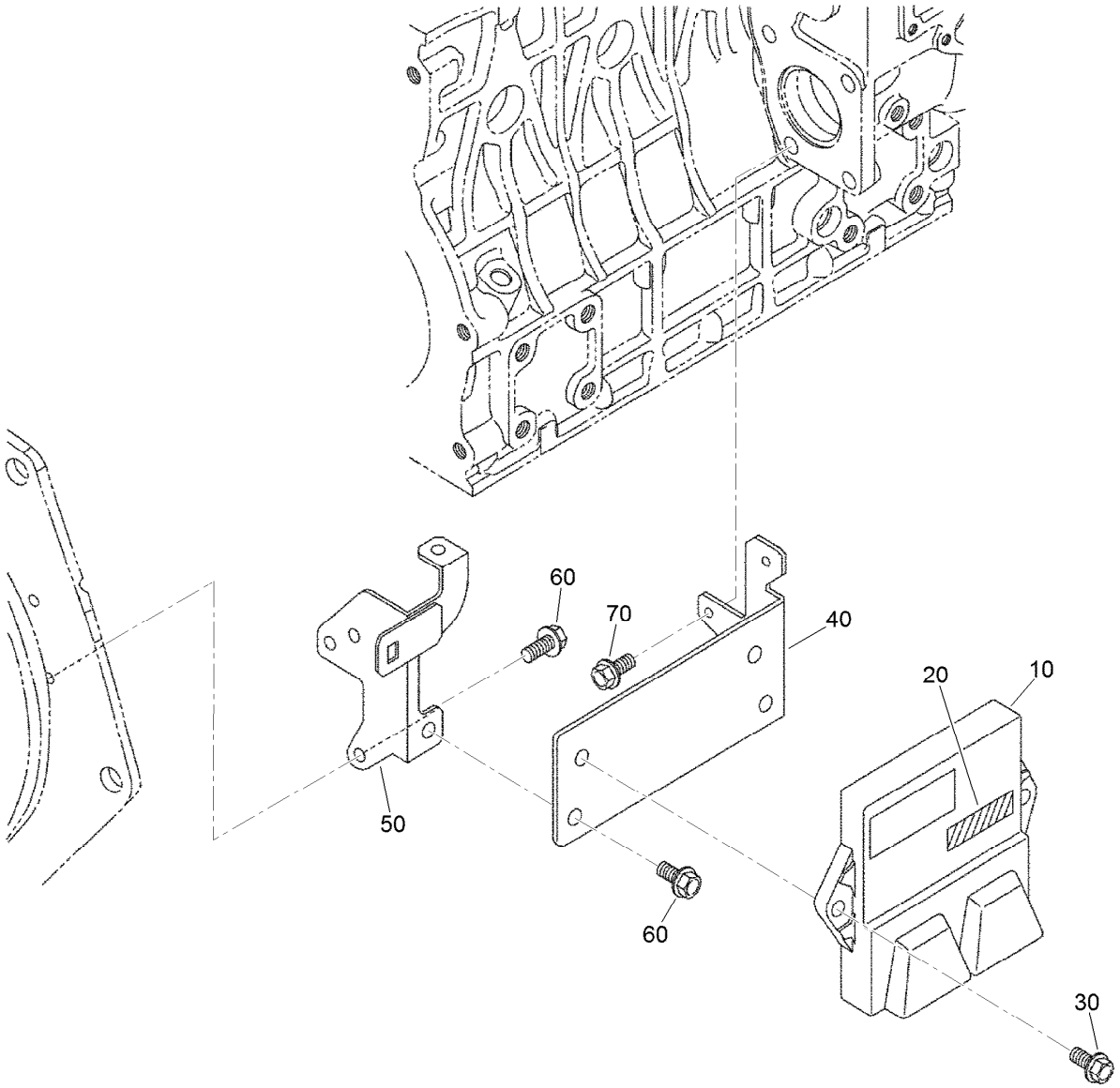
Exhaust Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	127-1609	1	Manifold-Exhaust
20	110-3840	1	Gasket-Manifold, Exhaust
30	125-9149	6	Bolt-Stud
40	100-1778	6	Nut
50	125-9100	4	Stud
55	125-9108	1	Gasket-Muffler
60	125-9126	1	Cover-Upper
70	125-9127	1	Cover-Lower
80	125-9090	5	Bolt



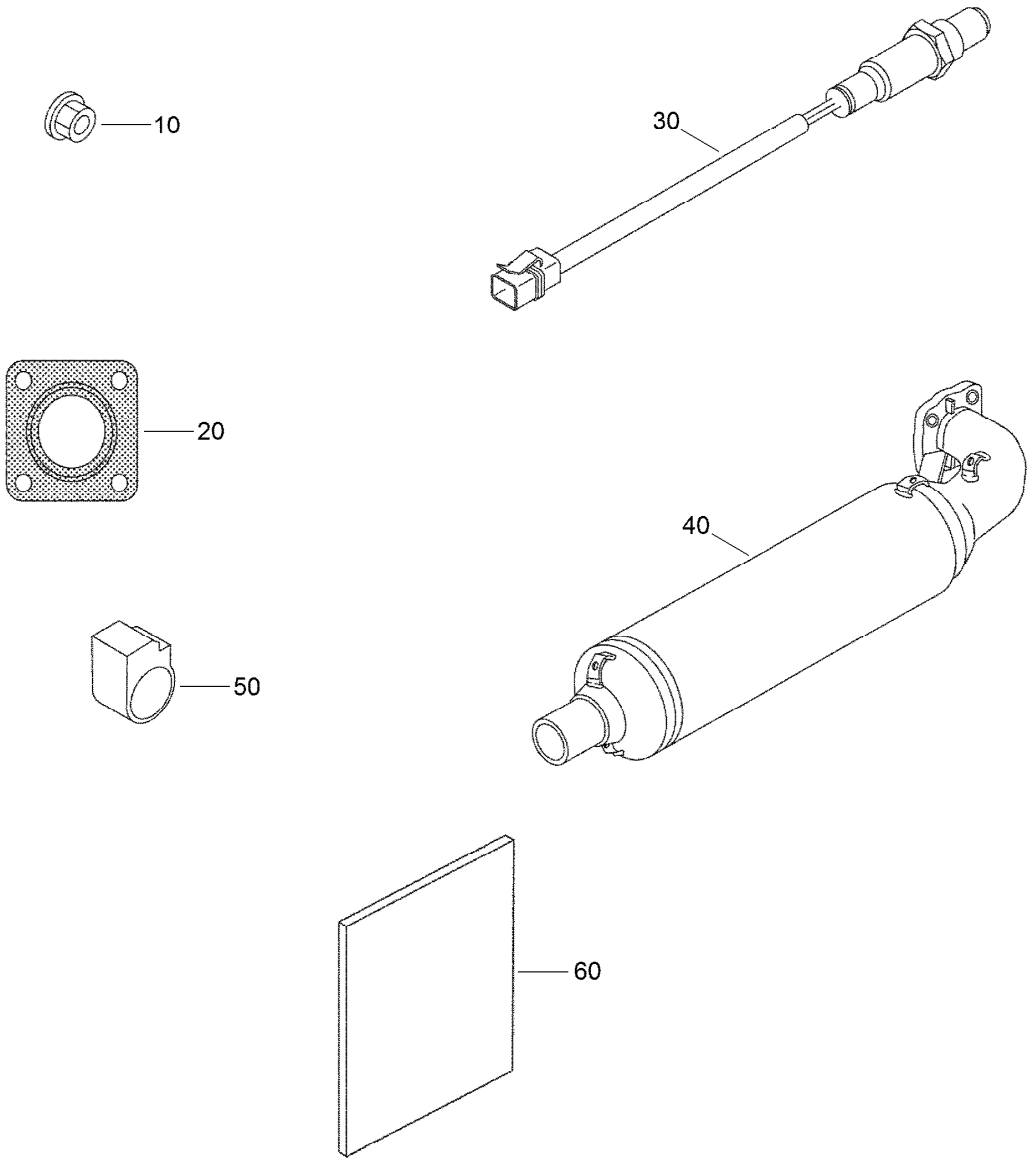
Wire Harness Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	125-9143	1	Harness-Wire, E C U
20	125-9157	1	Stay-Boom, Harness
30	115-8504	1	Bolt-Flange
50	125-9101	2	Band-Cord



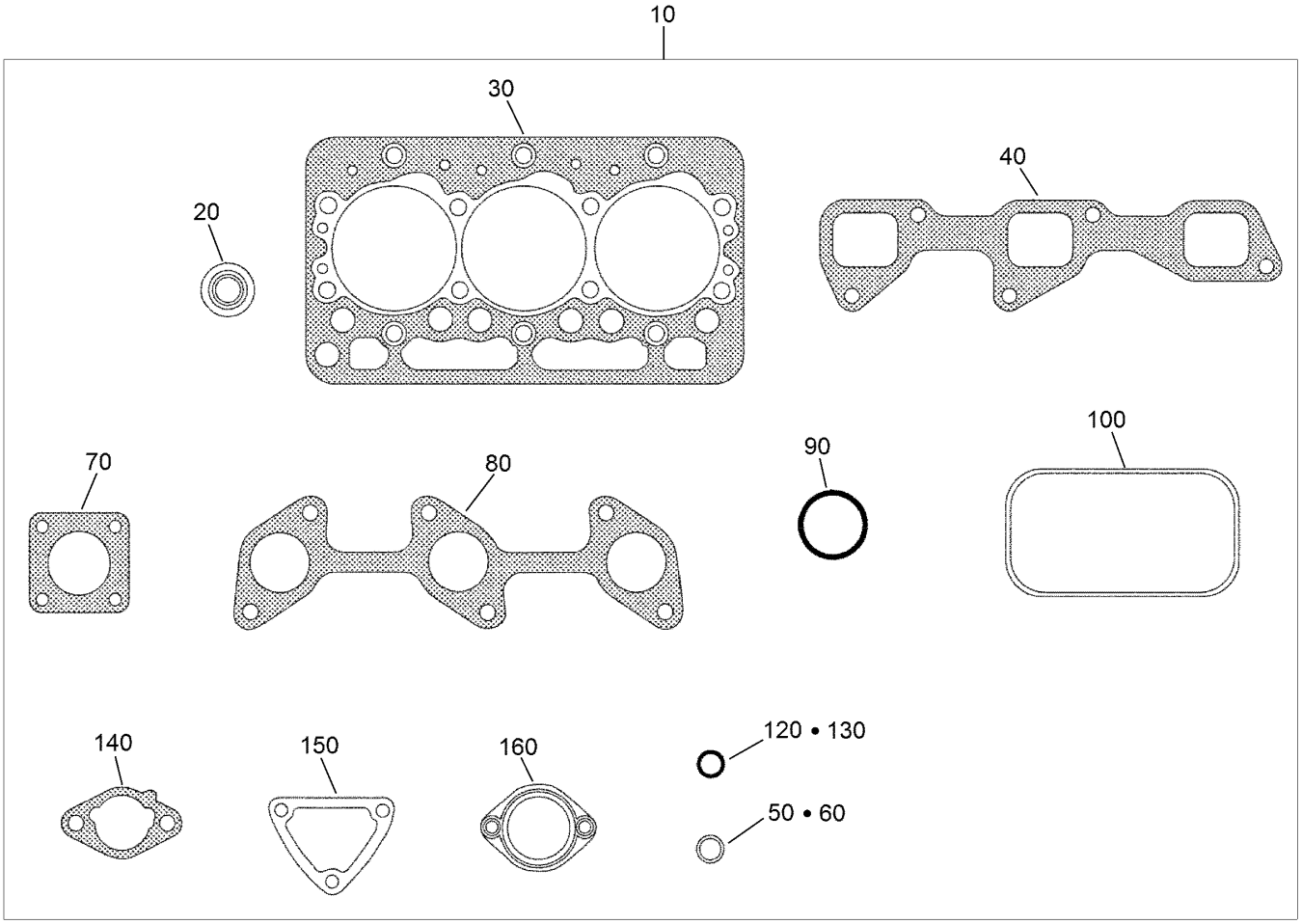
Electronic Control Unit Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	127-1610	1	E C U ASM
20	125-9147	1	Label
30	108-2873	2	Bolt-Flange
40	125-9140	1	Stay-E C U
50	125-9141	1	Stay-E C U
60	100-1774	3	Bolt-Flange
70	115-8504	2	Bolt-Flange



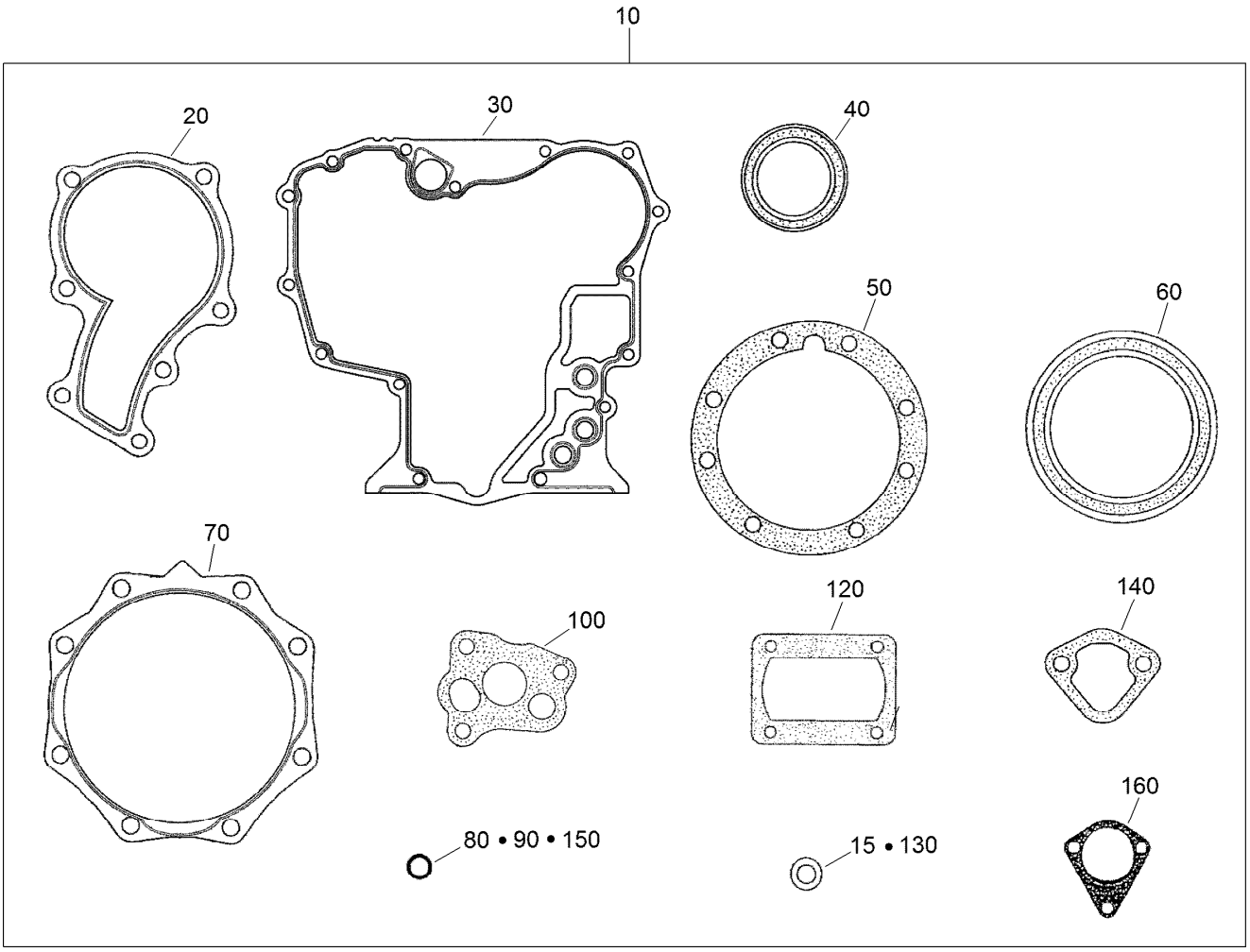
Operator Manual and Miscellaneous Engine Parts

Ref.	*Part Number*	*Qty.*	*Description*
10	125-9095	1	Nut
20	125-9108	1	Gasket-Muffler
30	125-9124	1	*obs* Sensor (O2)
40	120-3547	1	Muffler
50	127-0513	1	Clamp
60	125-9148	1	Operator Manual



Upper Engine Gasket Kit

Ref.	*Part Number*	*Qty.*	*Description*
10	125-9150	1	Upper Gasket Kit
20	125-9128	6	Seal-Stem, Valve
30	125-9113	1	Gasket-Head
40	125-9123	1	Gasket-Manifold, Intake
50	125-9112	1	O Ring
60	99-3446	1	O-Ring
70	125-9108	1	Gasket-Muffler
80	110-3840	1	Gasket-Manifold, Exhaust
90	110-3846	1	O Ring-Breather
100	125-9130	1	Gasket-Cover, Head
120	125-9096	1	Gasket
130	98-7654	1	Gasket
140	125-9104	2	Gasket-Cleaner, Air
150	110-3820	1	Gasket-Flange, Water
160	105-3748	1	Gasket-Thermostat



Lower Engine Gasket Kit

Ref.	Part Number	Qty.	Description
10	125-9155	1	Lower Gasket Kit
15	98-7524	1	Gasket
20	117-8846	1	Gasket-Pump, Water
30	117-0327	1	Gasket-Case, Gear
40	120-7852	1	Seal-Oil
50	100-1873	1	Gasket-Case, Bearing
60	110-3724	1	Seal-Oil
70	100-1876	1	Gasket-Cover, Case

Ref.	Part Number	Qty.	Description
80	100-2209	1	O-Ring
90	105-3776	1	O-Ring
100	100-2003	1	Gasket-Pump, Oil
120	125-9105	1	Gasket
130	98-7654	1	Gasket
140	98-9636	1	Gasket-Pump, Fuel
150	127-1611	1	O-Ring
160	100-2062	1	Gasket

Attachments and Accessories

For 30809 Groundsmaster 3500-G Rotary Mower

Product Name	Model/Part
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-Combo	108-9026-03
Sectional Roller Assembly	117-5121
400-Hour Filter Maintenance Kit	30246
Premium Seat Kit	30629
27in Rotary Cutting Unit	30834
Leaf Mulching Kit	30836
Work Light Kit	30841

Notes:

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Count on it.