



Groundsmaster® 7210 with 60in Side Discharge Mower

Model No. 30468 - 290000001 and up.

Parts Catalog

Ordering Replacement Parts

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

Understanding Reference Numbers

Each identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

Service Assembly Reference Numbers

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustrations and in part lists.

Reference Numbers Indicating Quantity

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

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

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR.	as required	HYD.	hydraulic
ASM.	assembly	LH.	left hand
BBC.	blade brake clutch	NI.	nylon insert
CARR.	carriage	NPTF.	national pipe thread fine
DEG.	degrees	PFH.	phillips flat head
EXT.	external	PPH.	phillips pan head
FH.	flat head	PPHTF.	phillips pan head thread forming
GA.	gauge	PRH.	phillips round head
HD.	heavy-duty	PTH.	phillips truss head
HF.	hex flange	PTO.	power-take-off
HH.	hex head	RH.	right hand
HHF.	hex head flange	ROPS.	roll-over protection system
HHFTF.	hex head flange thread forming	SFH.	slotted fillister head
HJ.	hex jam	SHH.	slotted hex head
HLH.	hex lag head	SHWH.	slotted hex washer head
HOC.	height-of-cut	SPH.	slotted pan head
HSBH.	hex socket button head	SQH.	square head
HSFH.	hex socket flat head	SRH.	slotted round head
HSH.	hex socket head	STD.	standard
HWH.	hex washer head	TAP.	self tapping
HWHTF.	hex washer head thread forming	TTH.	torx truss head

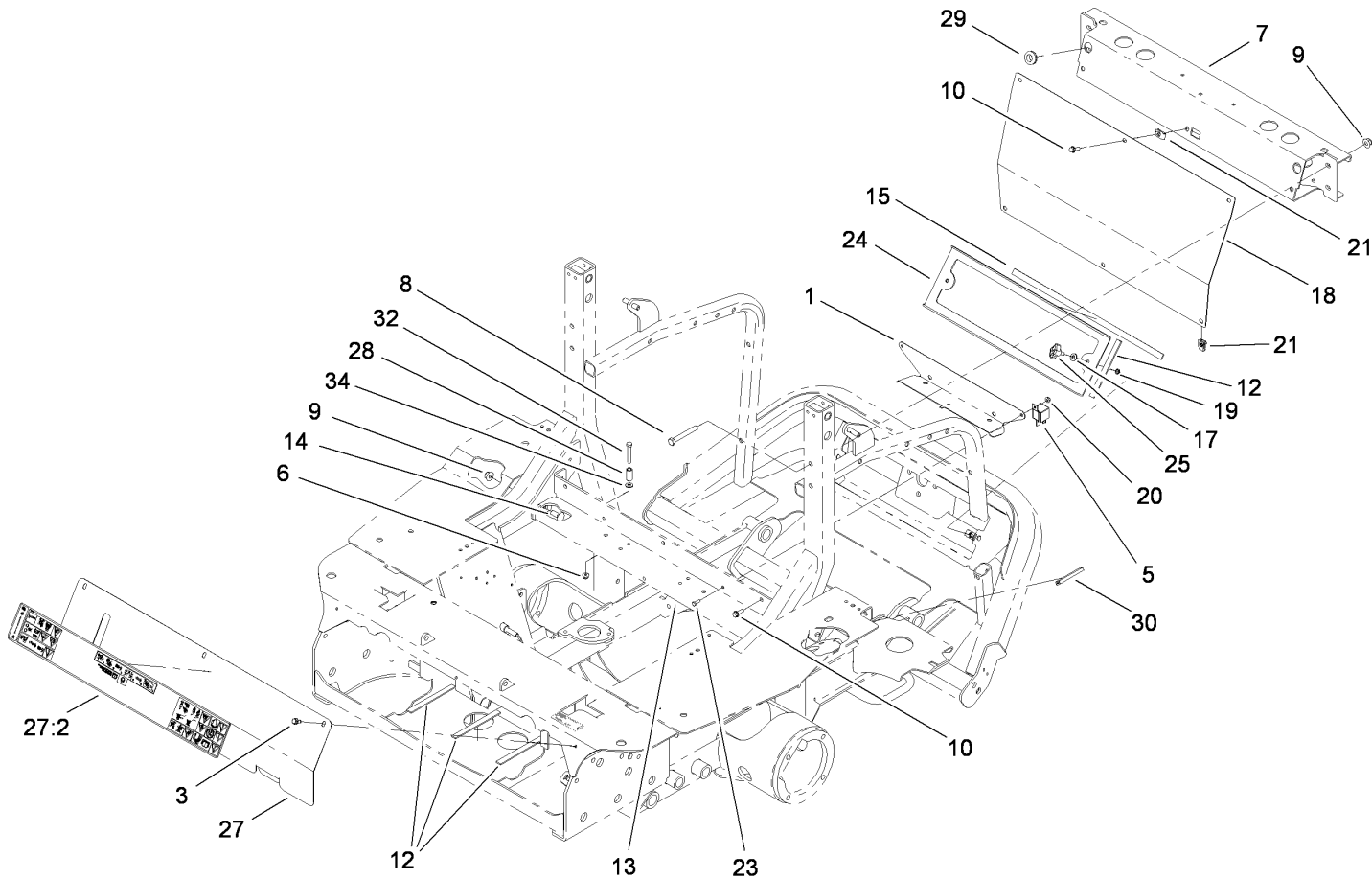
Footnotes

- ❶

Not illustrated
- ❷

Not serviced separately
- ❸

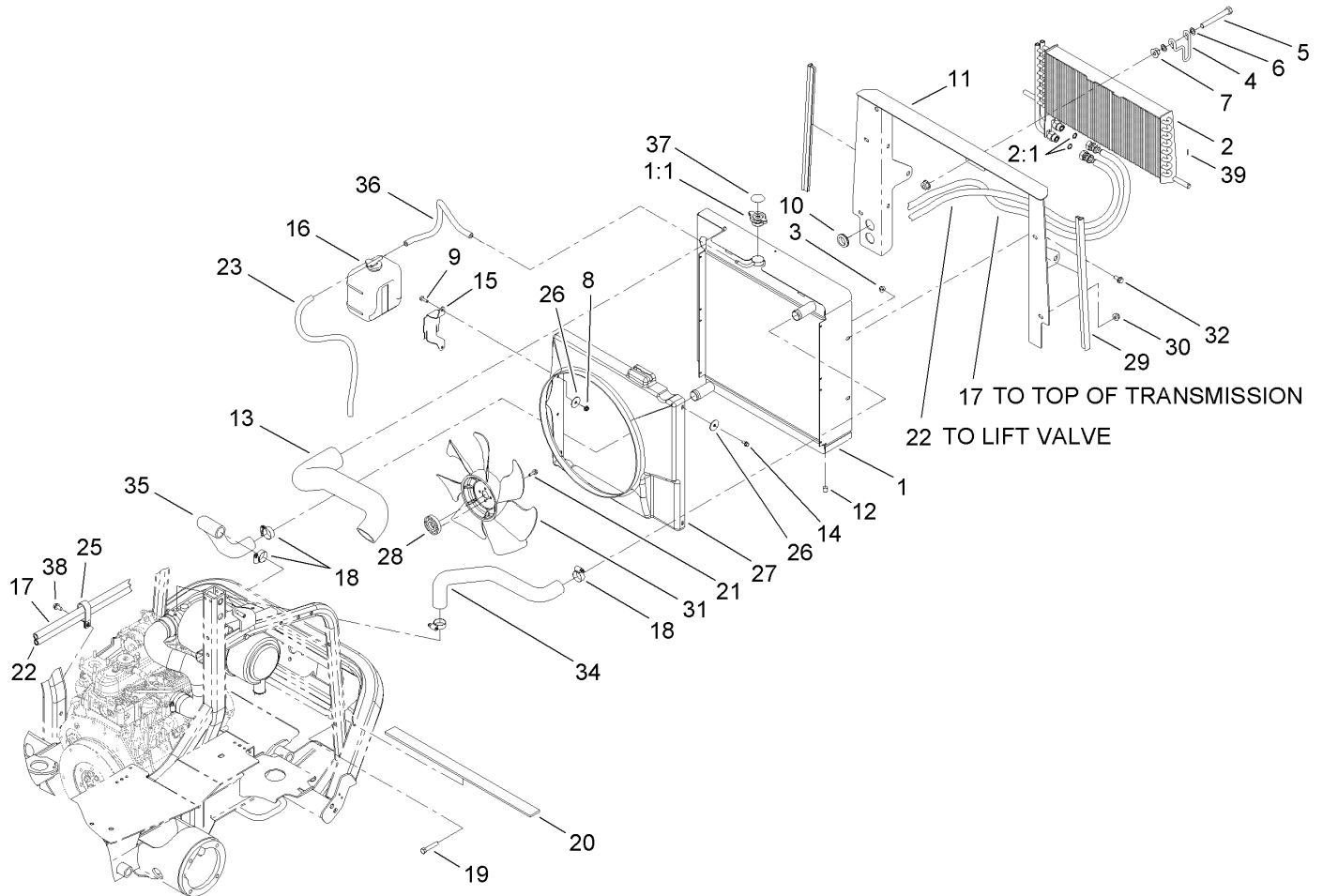
Optional Equipment



Frame Assembly

Ref	Part No.	Qty.	Description
1	114-4055-03	1	Bracket-Wire
3	32144-10	3	Screw-HWH
5	99-7435	1	Relay-Power
6	104-7201	2	Nut-HF
7	112-6361-03	1	Crossmember ASM
8	323-13	4	Screw-HH
9	104-8301	8	Nut-Flange, NI
10	3234-4	6	Screw-HHF
12	105-0778	5	Strip-Foam
13	105-7296-03	1	Support-Seat
14	3231-2	4	Screw-CARR
15	112-6387	2	Strip-Foam
17	3256-22	2	Washer-Flat
18	112-6367-03	1	Panel-Rear
19	32151-106	2	Ring-Retaining
20	3290-148	2	Nut-HF
21	107069	8	Clip
23	3290-134	2	Screw
24	112-6384-03	1	Screen ASM
25	98-8332	2	Knob
27	110-9794	1	Cover-Front
27:2	110-9772	1	Decal-Safety
28	95-5807	2	Spacer
29	237-124	2	Grommet

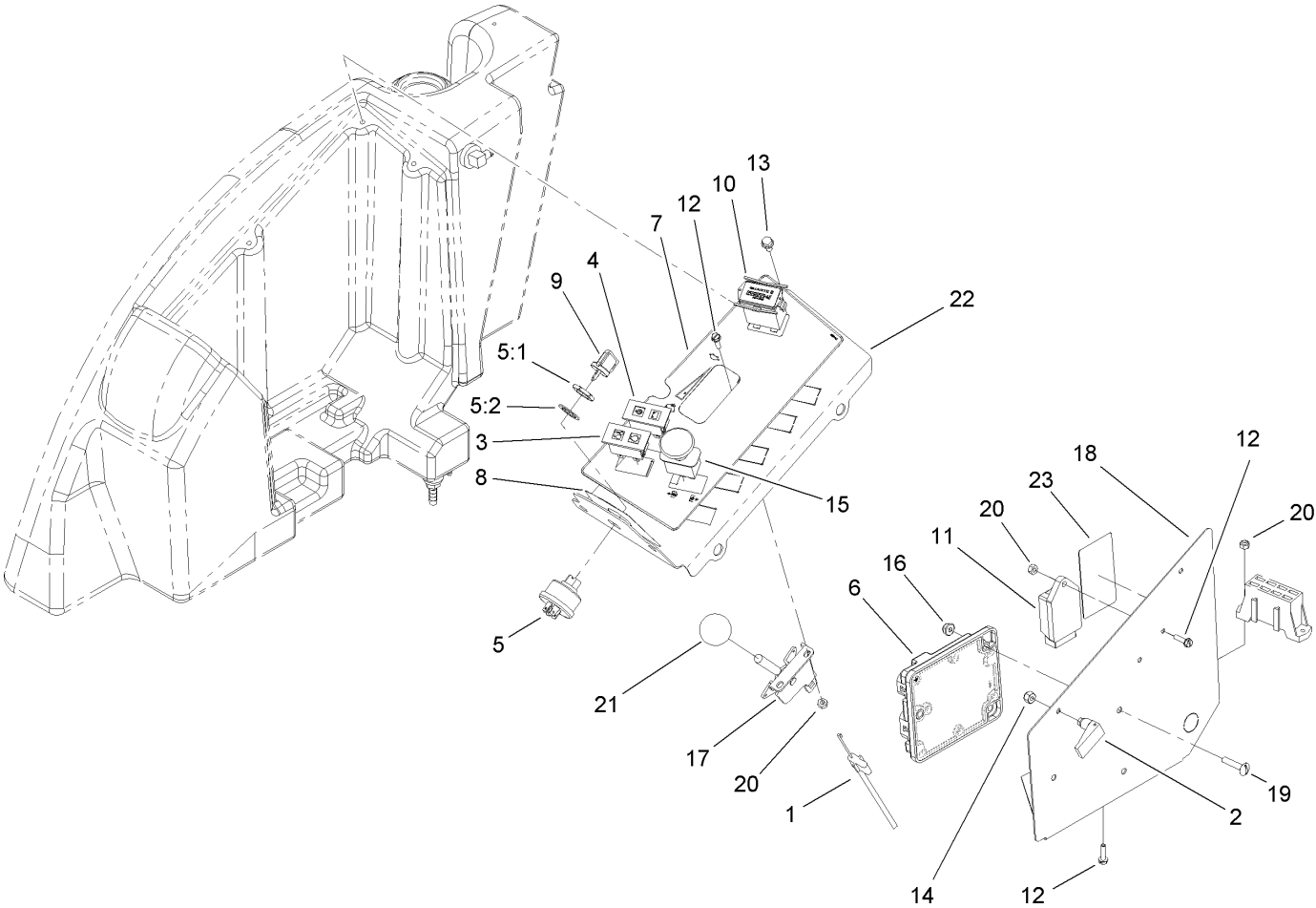
Ref	Part No.	Qty.	Description
30	110-8276	1	Trim-Hold Down, Battery
32	321-10	2	Screw-HH
34	3256-22	2	Washer-Flat



Radiator Assembly

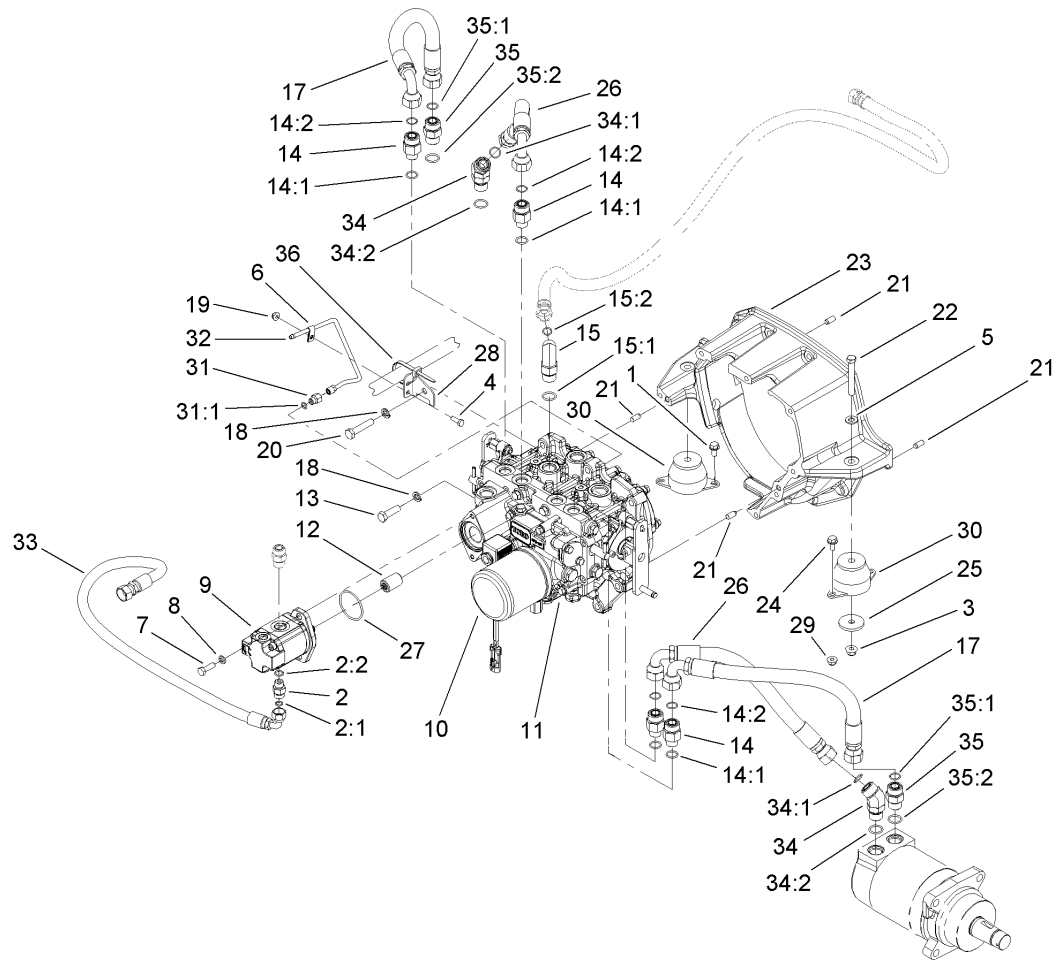
Ref	Part No.	Qty.	Description
1	99-3637	1	Radiator
1:1	93-5957	1	Cap-Radiator
2	112-1684	1	Cooler-Oil
2:1	237-30	2	O-Ring
3	104-8300	4	Nut-Flange, NI
4	104-5429	1	Clamp-Form, Wire
5	325-17	1	Screw-HH
6	41-8440	2	Washer
7	32128-49	2	Nut-HHF
8	104-7201	2	Nut-HF
9	321-4	2	Screw-HH
10	240-5	2	Grommet-Rubber
11	110-8277-03	1	Frame-Radiator
12	99-8551	1	Plug-Pipe
13	105-7281	1	Hose-Air Inlet, Upper
14	32104-116	4	Screw
15	108-9930-03	1	Bracket-Bottle
16	108-0638	1	Bottle-Overflow
17	110-5542	1	HYD Hose ASM
18	2412-34	4	Clamp-Hose
19	323-10	4	Screw-HH
20	108-9935	1	Strip-Foam
21	33103-020	4	Screw-HHF
22	110-5543	1	HYD Hose ASM

Ref	Part No.	Qty.	Description
23	108-3284	1	Hose-Fuel
25	2412-137	1	Clamp-R, Double
26	3256-55	6	Washer-Flat
27	108-9927	1	Shroud-Fan
28	104-4247	1	Spacer-Fan
29	107-2269	2	Seal-Bulb
30	104-8301	4	Nut-Flange, NI
31	104-4246	1	Fan-Engine
32	3234-5	4	Screw-HHF
34	105-7282	1	Hose-Radiator, Upper
35	105-7283	1	Hose-Radiator, Lower
36	109-0274	1	Hose-Fuel
37	106-6755	1	Decal-Cap, Radiator
38	32144-14	1	Screw-HWHTF
39	32121-107	1	Pin-Roll, Slotted



Control Panel Assembly

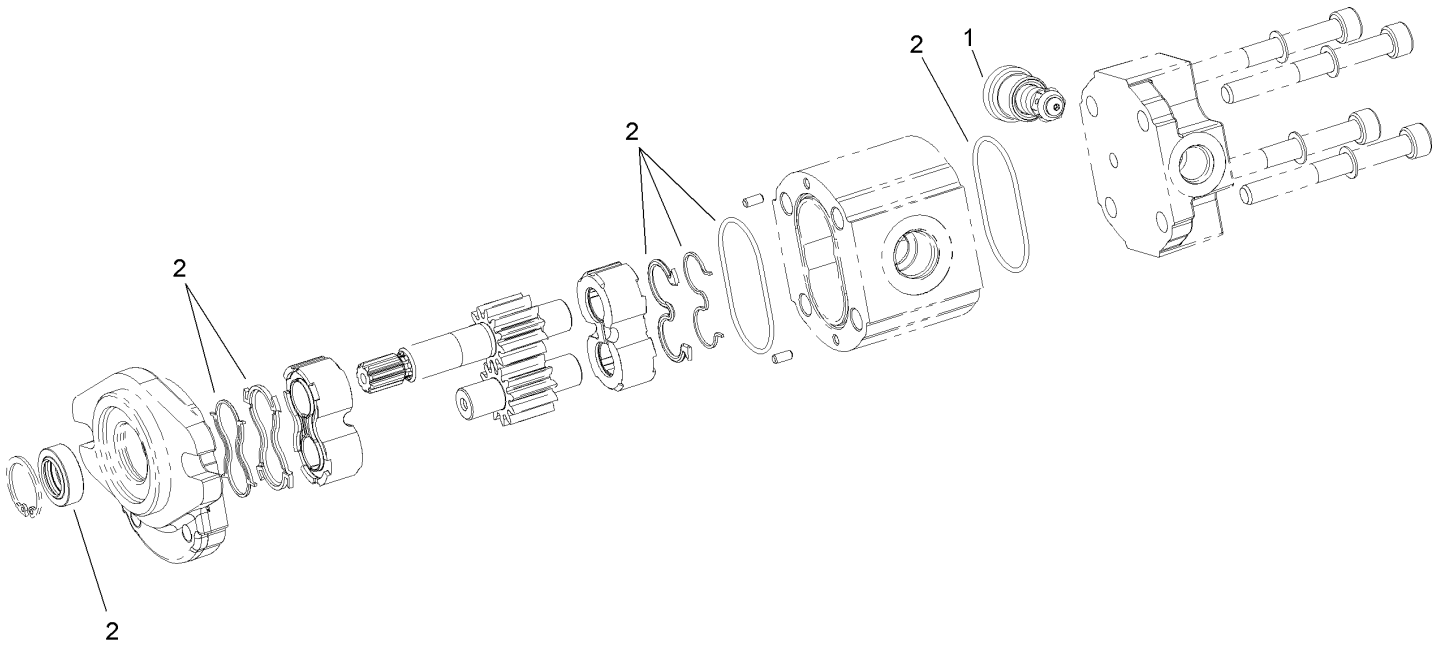
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	110-5548	1	Cable-Throttle	23	110-9796	1	Decal-Block, Fuse
2	74-5950	2	Latch-Swell				
3	100-8071	1	Lamp-Warning				
4	100-8070	1	Lamp-Warning				
5	104-2541	1	Switch ASM				
5:1	218-461	1	Nut-HH				
5:2	3254-5	1	Washer-Tooth				
6	106-9277	1	Module-Control, Standard				
7	110-8253	1	Decal-Panel, Control				
8	110-8254	1	Decal-Start, Control Panel				
9	63-8360	2	Key-Ignition				
10	1-513374	1	Meter-Hour				
11	107-9097	1	Controller-Glow				
12	32105-13	5	Screw-HWH				
13	3234-13	5	Screw-HHF				
14	1-804254	2	Nut				
15	93-9999	1	Switch-PTO				
16	104-7201	3	Nut-HF				
17	110-5547	1	Control Lever ASM				
18	110-8257-03	1	Cover-Panel, Control				
19	3258-19	3	Screw				
20	3296-2	5	Nut-Lock, NI				
21	233-42	1	Knob				
22	110-8256-03	1	Panel-Control				



Transmission Assembly

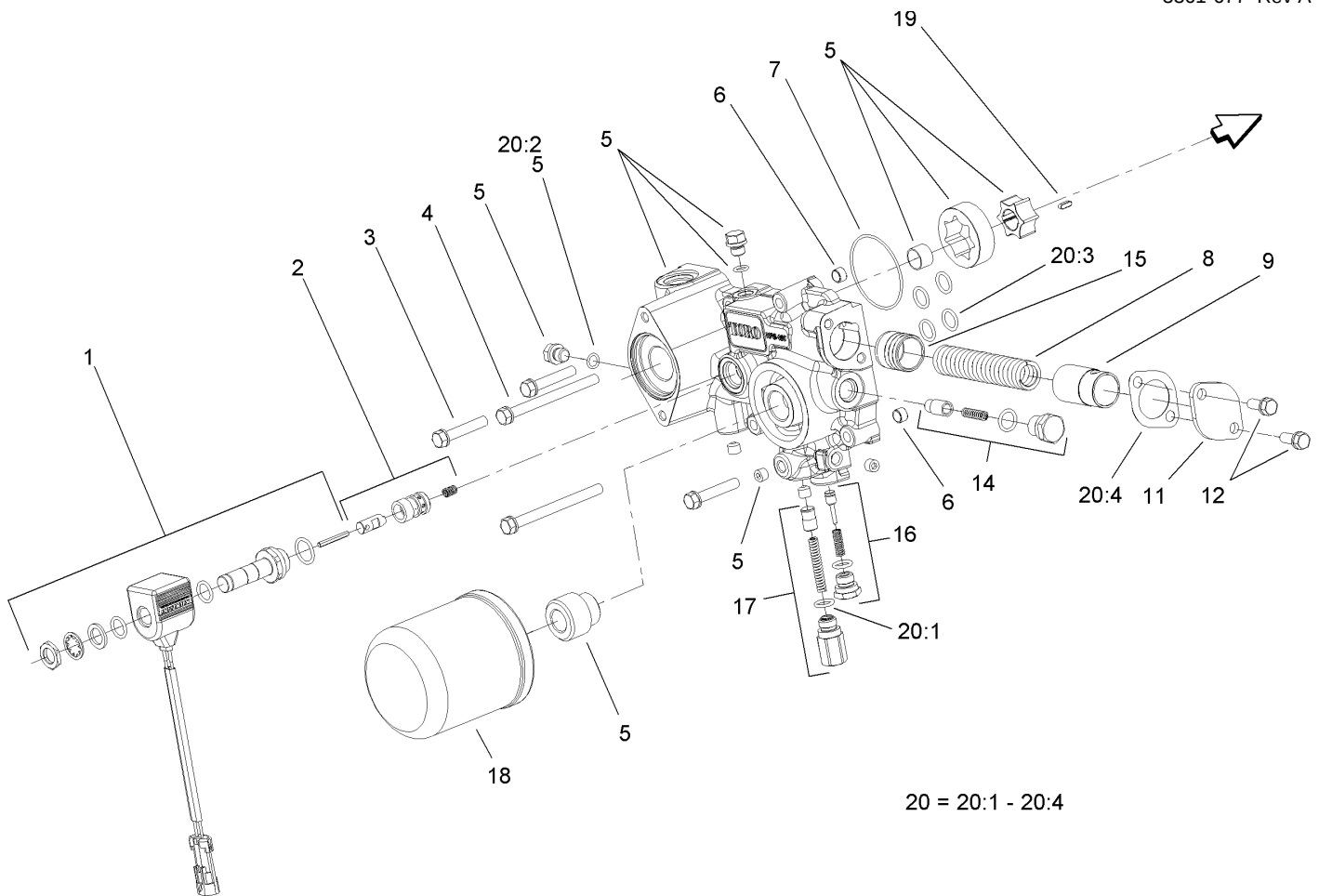
Ref	Part No.	Qty.	Description
1	32144-14	2	Screw-HWHTF
2	340-2	1	Fitting-HYD, Straight
2:1	237-22	1	O-Ring
2:2	237-42	1	O-Ring
3	104-8301	2	Nut-Flange, NI
4	321-4	1	Screw-HH
5	3256-24	2	Washer-Flat
6	2412-72	1	Clip-Closed, Insulated
7	33114-025	2	Screw-HH
8	3253-4	2	Washer-Lock
9	112-9542	1	Pump-Gear
10	108-5194	1	Filter-Oil
11	107-0801	1	Transmission ASM
12	108-9920	1	Coupler-Spline, 9T
13	33115-035	1	Screw-HH
14	340-155	4	Fitting-HYD, Straight
14:1	237-79	1	O-Ring
14:2	237-151	1	O-Ring
15	340-105	1	Fitting-HYD, 90 DEG
15:1	237-80	1	O-Ring
15:2	237-30	1	O-Ring
17	112-1683	2	Hose ASM
18	48-9590	7	Washer-Lock
19	104-7201	1	Nut-HF

Ref	Part No.	Qty.	Description
20	33115-050	6	Screw-HH
21	87-1910	4	Pin-Dowel
22	323-13	2	Screw-HH
23	108-5193	1	Housing-Flywheel
24	3234-17	2	Screw-HHF
25	80-8560	2	Washer-Hardened
26	110-5518	2	Hose ASM
27	108-9919	1	O-Ring
28	110-5534	1	Support-Tube
29	104-8300	2	Nut-Flange, NI
30	107-2289	2	Mount-Motor
31	110-5536	1	Fitting-HYD, Adapter
31:1	237-78	1	O-Ring
32	110-5537	1	Tube ASM
33	94-5961	1	Hose ASM
34	340-14	2	Fitting-HYD, 45 DEG
34:1	237-65	1	O-Ring
34:2	237-80	1	O-Ring
35	340-7	2	Adapter
35:1	237-65	1	O-Ring
35:2	237-80	1	O-Ring
36	3290-378	1	Tie-Cable



Hydraulic Gear Pump Assembly No. 112-9542

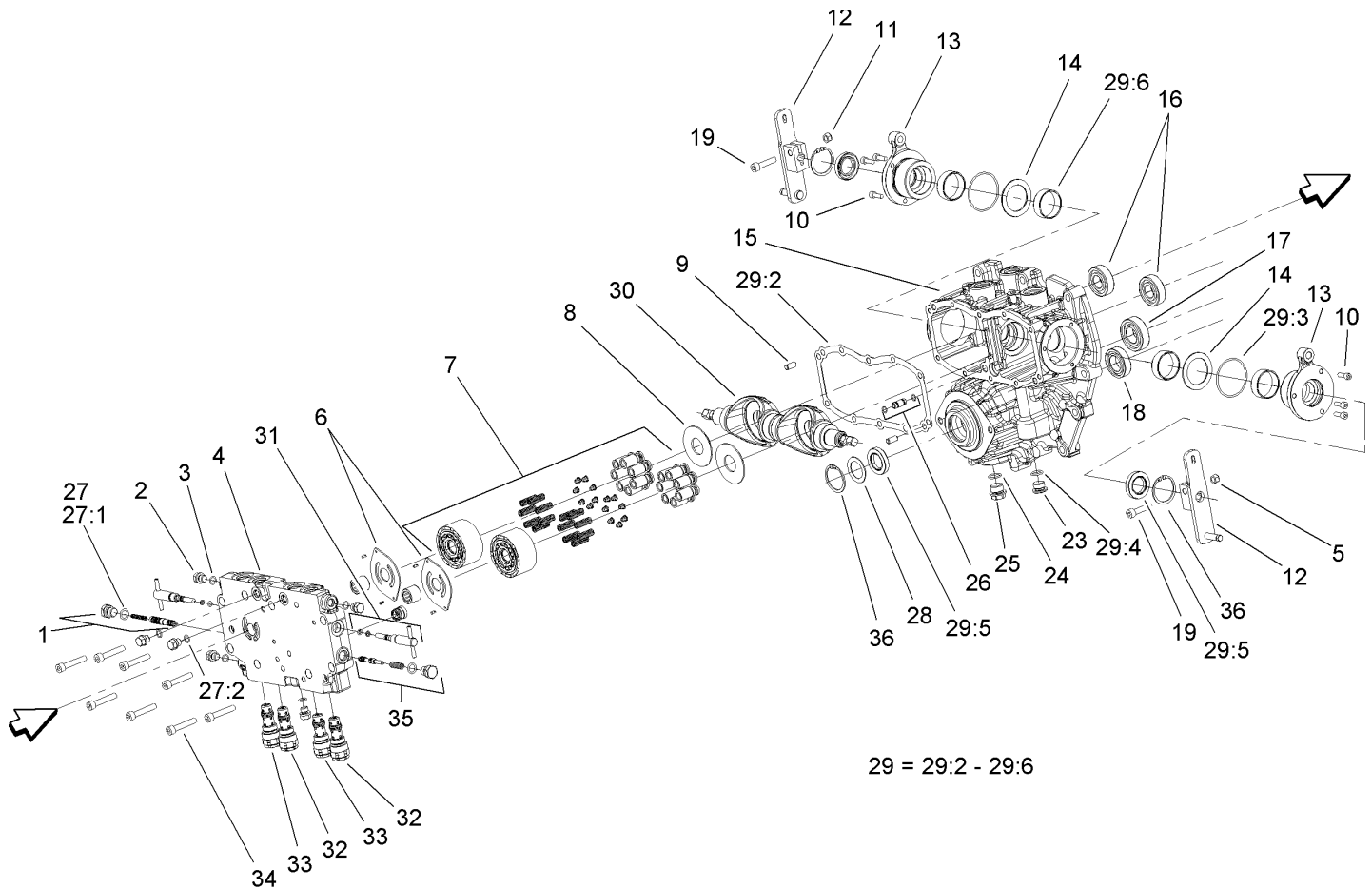
Ref	Part No.	Qty.	Description
1	112-0198	1	Valve
2	112-0199	1	Seal Kit



Charge Pump Housing Assembly

Transmission Assembly No. 107-0801

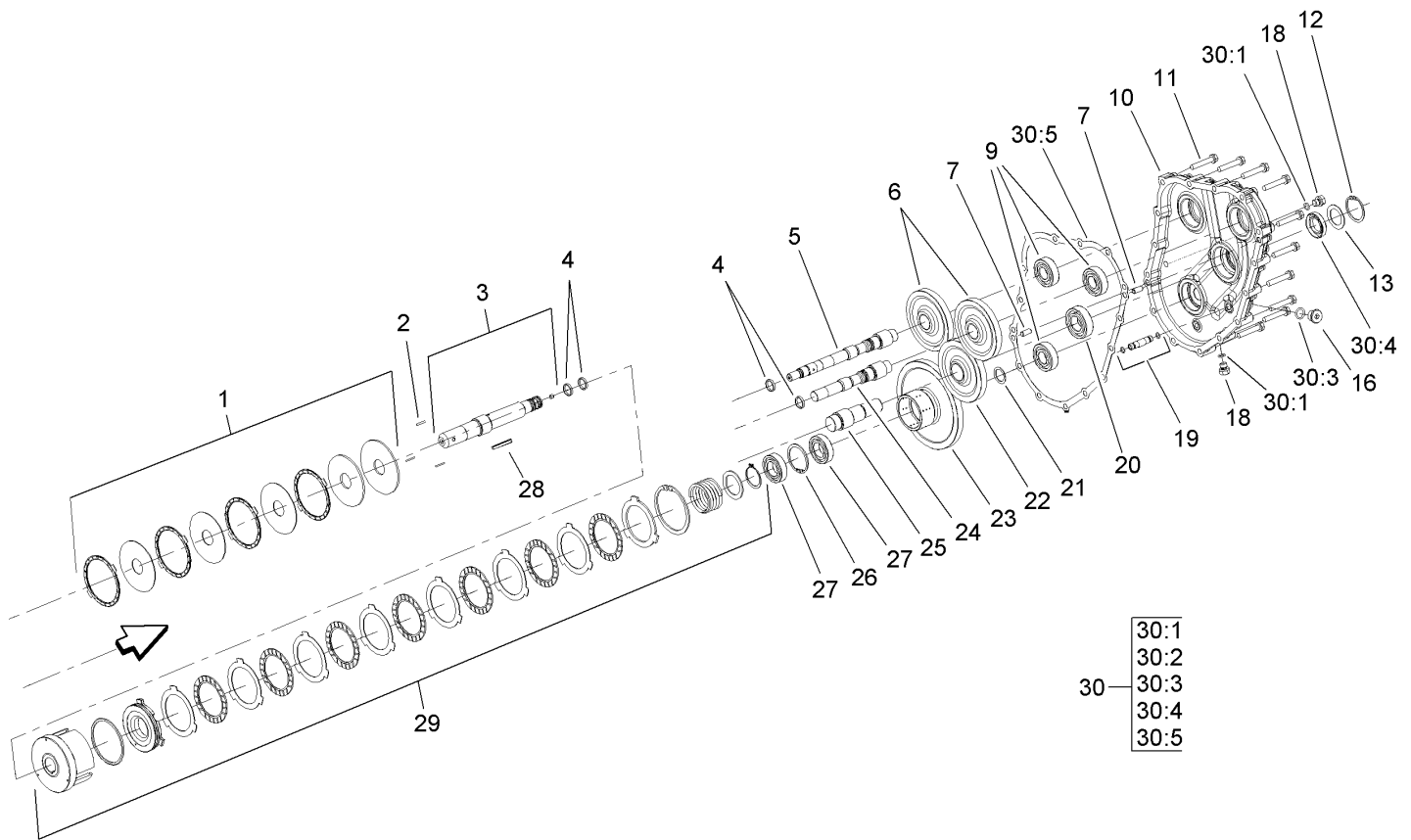
Ref	Part No.	Qty.	Description
1	107-0851	1	Solenoid ASM
2	107-0850	1	Solenoid Valve ASM
3	107-0863	3	Bolt
4	107-0864	2	Bolt
5	107-0840	1	Pump Body ASM
6	107-0848	2	Pin
7	107-0856	1	O-Ring
8	107-0845	1	Spring
9	107-0844	1	Collar
11	107-0846	1	Cover
12	93-0457	2	Bolt And Washer ASM
14	107-0843	1	Filter Bypass Valve ASM
15	107-0818	1	Piston
16	107-0842	1	Charge Relief Valve ASM
17	107-0841	1	Pressure Valve ASM
18	108-5194	1	Filter-Oil
19	107-0865	1	Key
20	107-0855	1	Charge Pump Seal Kit
20:1	93-0418	2	O-Ring
20:2	107-0817	2	O Ring-Plug
20:3	104-3298	6	Packing
20:4	107-0847	1	Gasket



Center Section Assembly Transmission Assembly No. 107-0801

Ref	Part No.	Qty.	Description
1	107-0807	1	Valve-Flushing, RH
2	107-0857	6	Plug
3	107-0817	6	O Ring-Plug
4	107-0802	1	Case-Center
5	107-0858	1	U-Nut
6	107-0805	2	Plate-Valve
7	107-0824	2	Cylinder Block ASM
8	107-0830	2	Plate-Thrust
9	92-0765	4	Pin-Parallel
10	107-0859	6	Bolt
11	107-0858	2	U-Nut
12	107-0831	2	Arm-Control
13	107-0832	2	Side Cover ASM
14	107-0829	2	Washer
15	107-0809	1	Housing-Pump
16	107-0826	2	Bearing
17	107-0821	1	Bearing
18	107-0838	1	Bearing
19	107-0860	2	Bolt
23	107-0861	1	Plug-NPTF
24	107-0862	1	O-Ring
25	107-0867	1	Plug
26	107-0812	1	Pipe
27	107-0852	1	Center Case Seal Kit

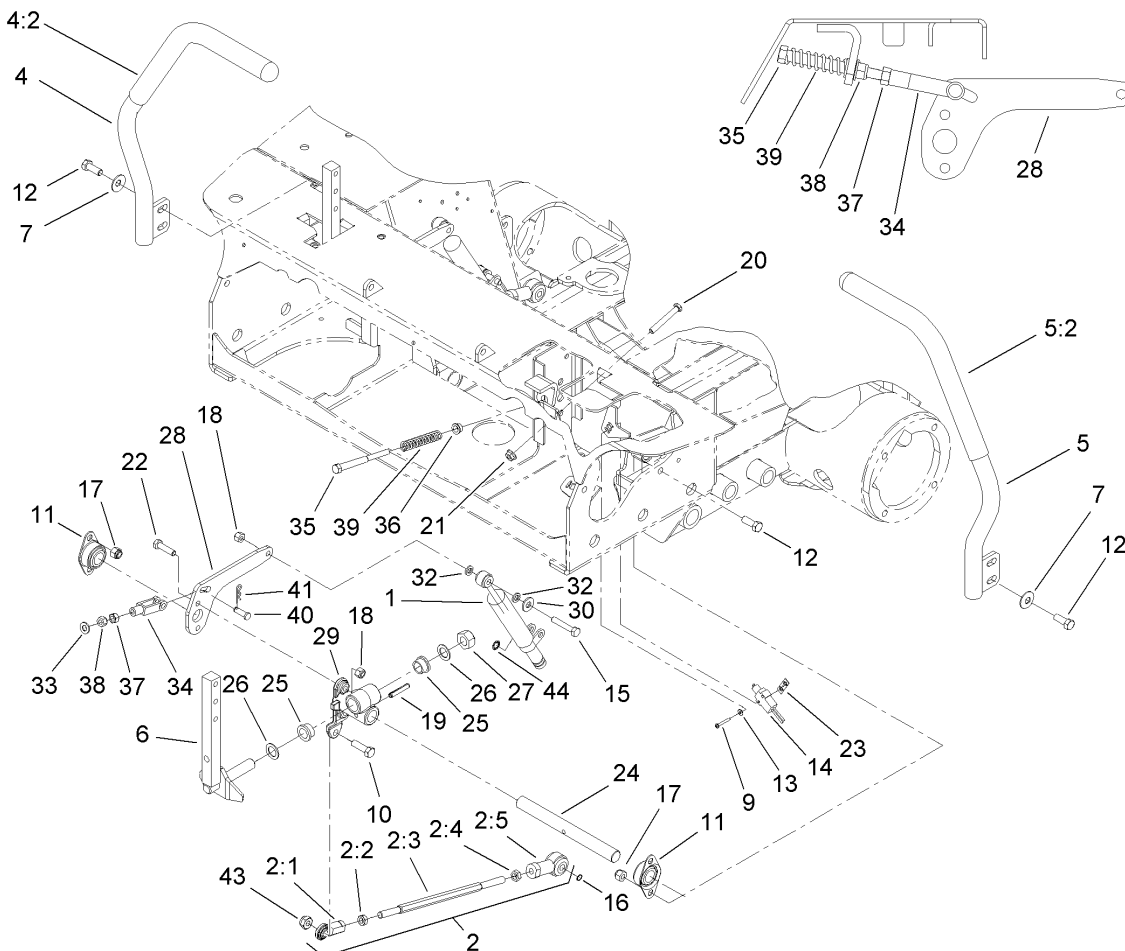
Ref	Part No.	Qty.	Description
27:1	93-0418	2	O-Ring
27:2	107-0817	6	O Ring-Plug
28	107-0813	1	Spacer
29	107-0853	1	Pump Housing Seal Kit
29:2	107-0810	1	Gasket-Case, Center
29:3	107-0817	2	O Ring-Plug
29:4	104-3298	1	Packing
29:5	107-0814	3	Seal
29:6	107-0825	4	Ring-Seal
30	107-0828	2	Plate-Swash
31	107-0808	2	Valve-Bypass
32	107-0804	2	Valve-Rear
33	107-0803	2	Valve-Front
34	107-0863	8	Bolt
35	107-0806	1	Valve-Flushing, LH
36	92-0757	2	Ring-Snap



Gear Case and Clutch Assembly Transmission Assembly No. 107-0801

Ref	Part No.	Qty.	Description
1	107-0839	1	PTO Brake ASM
2	107-0837	3	Rod-Push
3	107-0833	1	PTO Shaft ASM
4	107-0825	2	Ring-Seal
5	107-0827	1	Shaft-Pump
6	107-0823	2	Gear-Pump
7	92-0765	4	Pin-Parallel
9	107-0826	4	Bearing
10	107-0815	1	Housing-Gear Case
11	107-0863	13	Bolt
12	92-0757	1	Ring-Snap
13	107-0813	1	Spacer
16	107-0861	1	Plug-NPTF
18	107-0857	6	Plug
19	107-0811	1	Pipe
20	107-0821	2	Bearing
21	107-0836	1	Spacer
22	107-0820	1	Gear-Input
23	107-0834	1	Gear-PTO
24	107-0822	1	Shaft-Pump
25	107-0819	1	Shaft-Input
26	92-0758	1	Ring-Snap
27	107-0838	3	Bearing
28	107-0866	1	Key

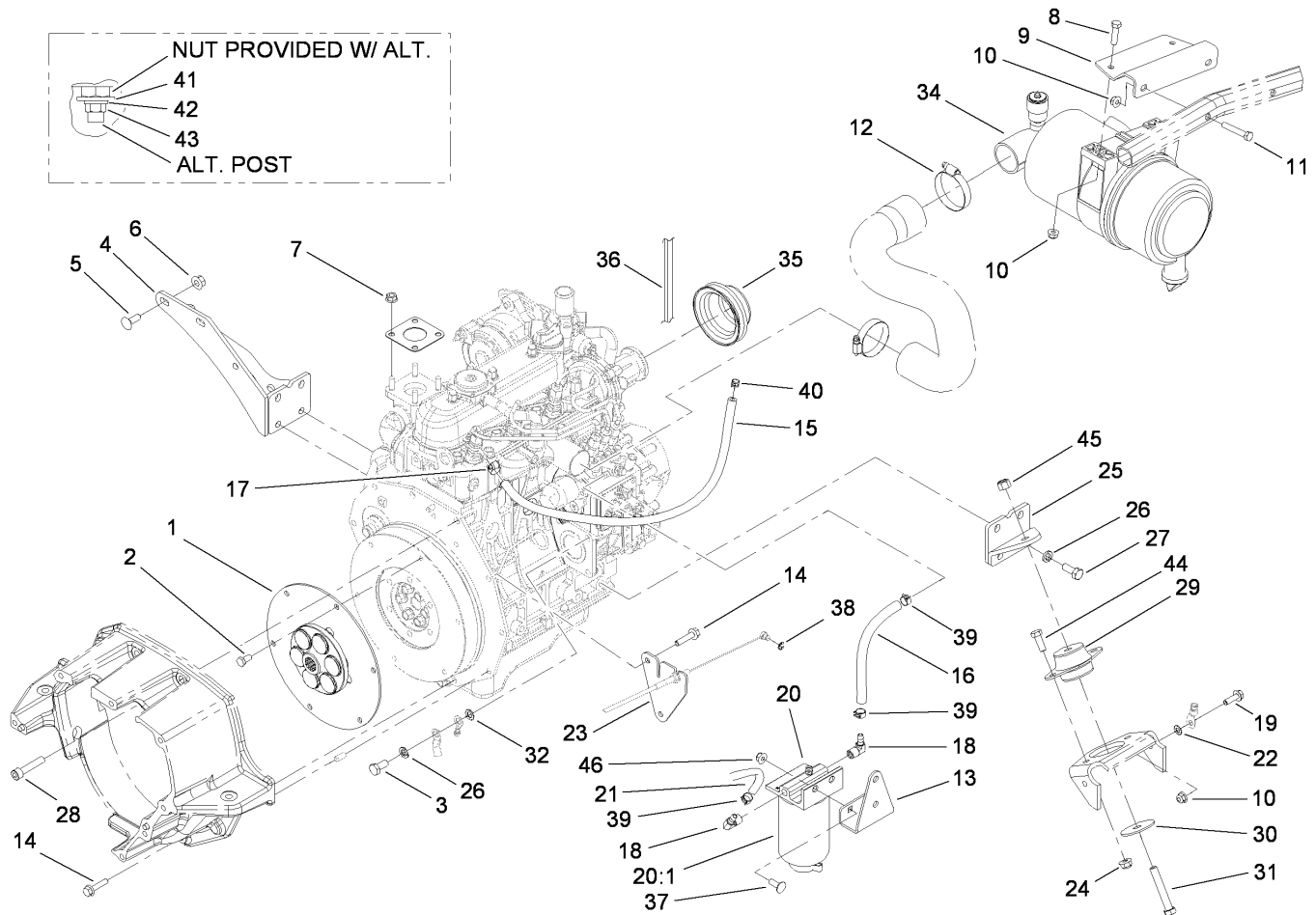
Ref	Part No.	Qty.	Description
29	107-0835	1	Clutch Cylinder ASM
30	107-0854	1	Gear Housing Seal Kit
30:1	107-0817	2	O Ring-Plug
30:2		2	O-Ring
30:3	104-3298	1	Packing
30:4	107-0814	1	Seal
30:5	107-0816	1	Gasket-Housing, Gear



Traction Control Assembly

Ref	Part No.	Qty.	Description
1	105-7280	2	Damper
2	112-5099	2	Link ASM
2:1	103-1167	1	Joint-Ball End, LH
2:2	3219-20	1	Nut-Hex, LH
2:3	105-7239	1	Rod-Threaded
2:4	3219-3	1	Nut-Hex
2:5	105-7199	1	Rod End-Isolated
4	108-5208	1	RH Lever And Grip ASM
4:2	108-5213	1	Grip-Foam
5	108-5209	1	LH Lever And Grip ASM
5:2	108-5213	1	Grip-Foam
6	108-9833-03	2	Lever ASM
7	3290-461	4	Washer-Spring
9	3250-35	4	Screw-PPH
10	323-7	2	Screw-HH
11	1-633102	4	Bearing-Flange, Side
12	323-6	12	Screw-HH
13	3256-53	4	Washer-Flat
14	99-3410	2	Switch
15	322-9	2	Screw-HH
16	32120-46	2	Ring-Retaining
17	3296-39	8	Nut-Lock, NI
18	3296-29	6	Nut-Lock, NI
19	32121-15	2	Pin-Roll

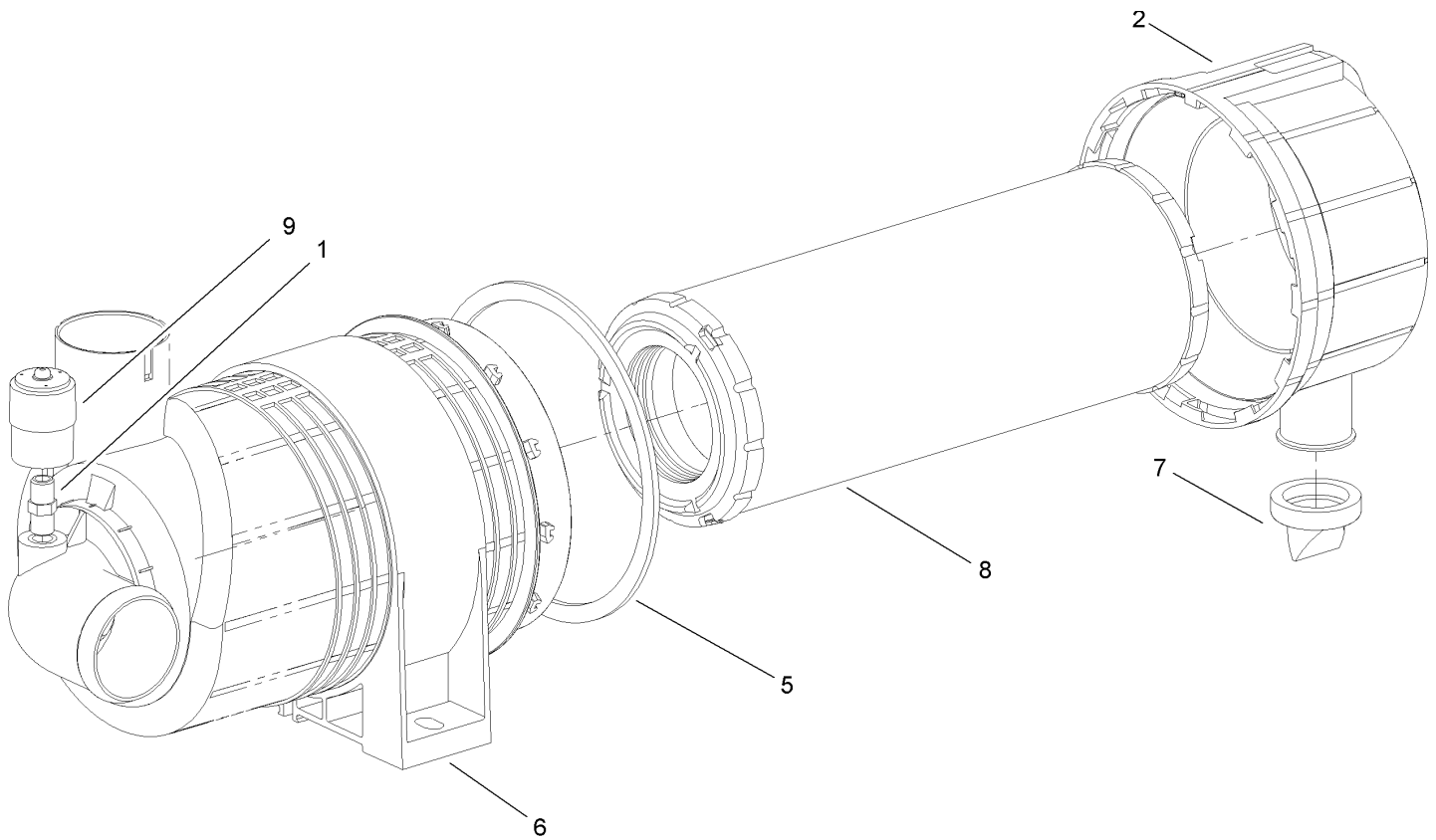
Ref	Part No.	Qty.	Description
20	9114524	2	Bolt-TAP, HH
21	32128-26	2	Nut-Flange
22	322-6	4	Screw-HH
23	108-9824	2	Nut-Switch
24	108-9830	2	Shaft-Pivot
25	105-3455	4	Bushing
26	105-3481	4	Washer-Thrust
27	32152-6	2	Nut-Lock, Cone
28	108-9829-03	2	Lever-Damper
29	108-9831	2	Hub-Control
30	3256-3	2	Washer-Flat
32	3253-4	4	Washer-Lock
33	3256-23	2	Washer-Flat
34	1-303105	2	Yoke-Adjustable
35	1-603737	2	Bolt-Return, Neutral
36	1-603735	2	Bushing-Flanged
37	3219-2	2	Nut-Hex
38	3296-4	2	Nut-Lock
39	1-603807	2	Spring-Return, Neutral
40	283-1	2	Pin-Clevis
41	3290-307	2	Pin-Hair
43	3296-44	2	Nut-Lock, NI
44	32151-72	2	Ring-Retaining



Engine Component Assembly

Ref	Part No.	Qty.	Description
1	110-9729	1	Flywheel Coupling ASM
2	33114-016	6	Screw-HH
3	63-7790	1	Screw-Cap
4	108-9926-03	1	Muffler Bracket ASM
5	3231-22	2	Screw-CARR
6	32128-29	2	Locknut-Flange
7	33004-00	4	Nut-HF
8	322-6	2	Screw-HH
9	108-9843-03	1	Support-Cleaner, Air
10	104-8300	5	Nut-Flange, NI
11	322-10	2	Screw-HH
12	2412-130	1	Clamp-Hose
13	114-4058-03	1	Mount-Separator
14	33104-035	8	Screw-HHF
15	110-8255	1	Hose-Fuel
16	110-4104	1	Hose-Fuel
17	2412-108	1	Clamp-Worm
18	353-781	2	Fitting-Elbow
19	3234-17	1	Screw-HHF
20	110-9044	1	Filter-Separator
20:1	110-9049	1	Filter-Spin On
21	114-4028	1	Hose-Fuel
22	3255-8	1	Washer-Lock
23	114-4060	1	Bracket-Throttle

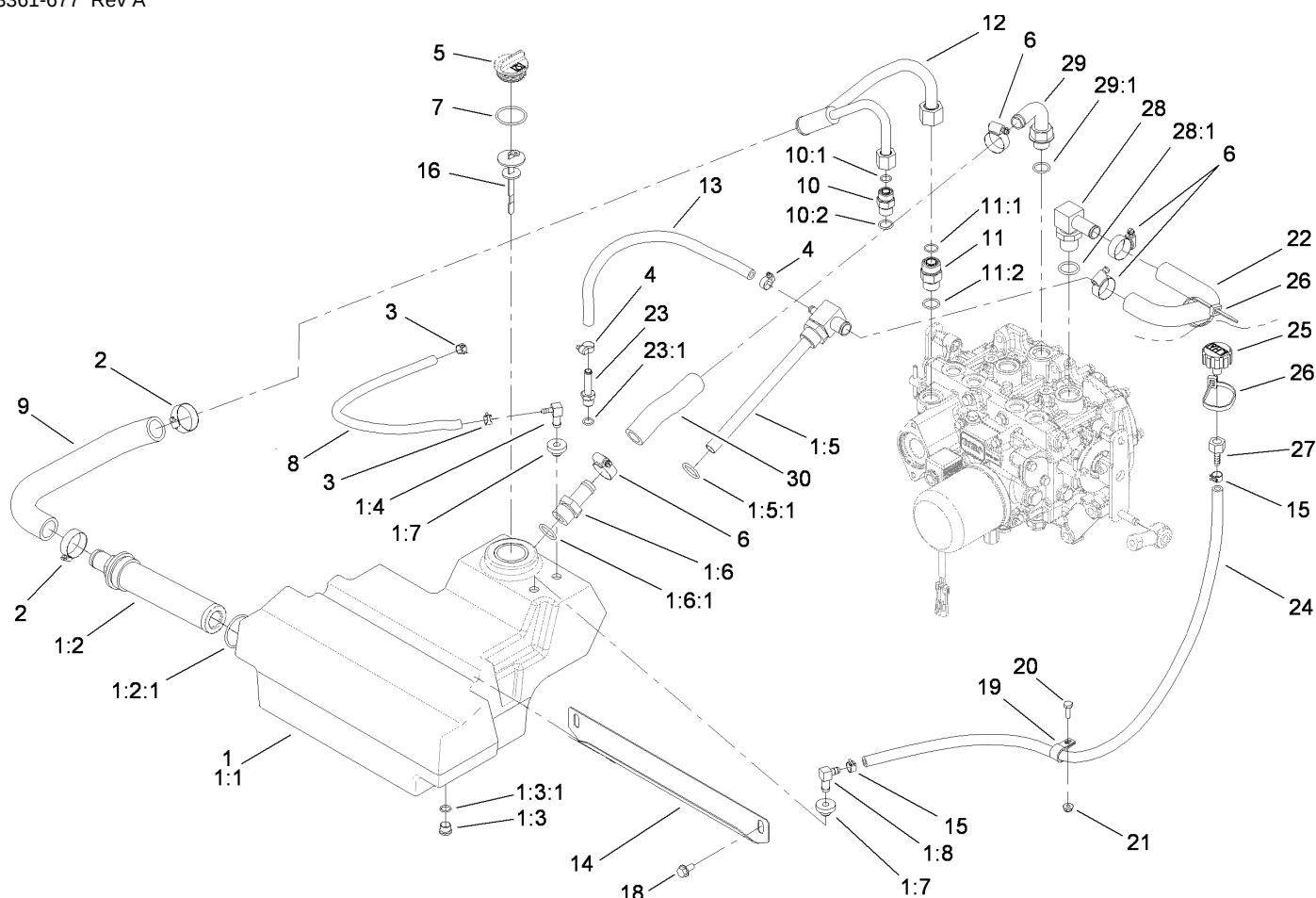
Ref	Part No.	Qty.	Description
24	104-8301	4	Nut-Flange, NI
25	105-7235-03	1	LH Rear Mount ASM
26	48-9590	9	Washer-Lock
27	43-0090	8	Screw-HH
28	3274-106	2	Screw-HSH
29	53-9681	2	Mount-Engine
30	87-5100	2	Washer-Snubbing
31	324-11	2	Screw-HH
32	3255-9	1	Washer-Lock
34	104-3428	1	Air Cleaner ASM
35	98-9584	1	Pulley-Fan
36	98-9676	1	V-Belt
37	3230-10	2	Screw-CARR
38	701197	1	E-Ring
39	92-2379	3	Clamp-Hose
40	2412-80	1	Clamp-Line, Fuel
41	3256-2	1	Washer-Flat
42	43-5930	1	Washer-Spring
43	33013-00	1	Nut-Hex
44	323-6	4	Screw-HH
45	3296-48	2	Nut-Lock, NI
46	32128-44	2	Nut



Air Cleaner Assembly No. 104-3428

Ref	Part No.	Qty.	Description
1	105-4292	1	Nipple-Pipe
2	104-0497	1	Cover ASM
5	104-4897	1	Gasket
6	98-4525	1	Bracket-Cleaner, Air
7	104-0498	1	Valve-Vacuator
8	108-3810	1	Filter-Air
9	93-9164	1	Indicator-Mini

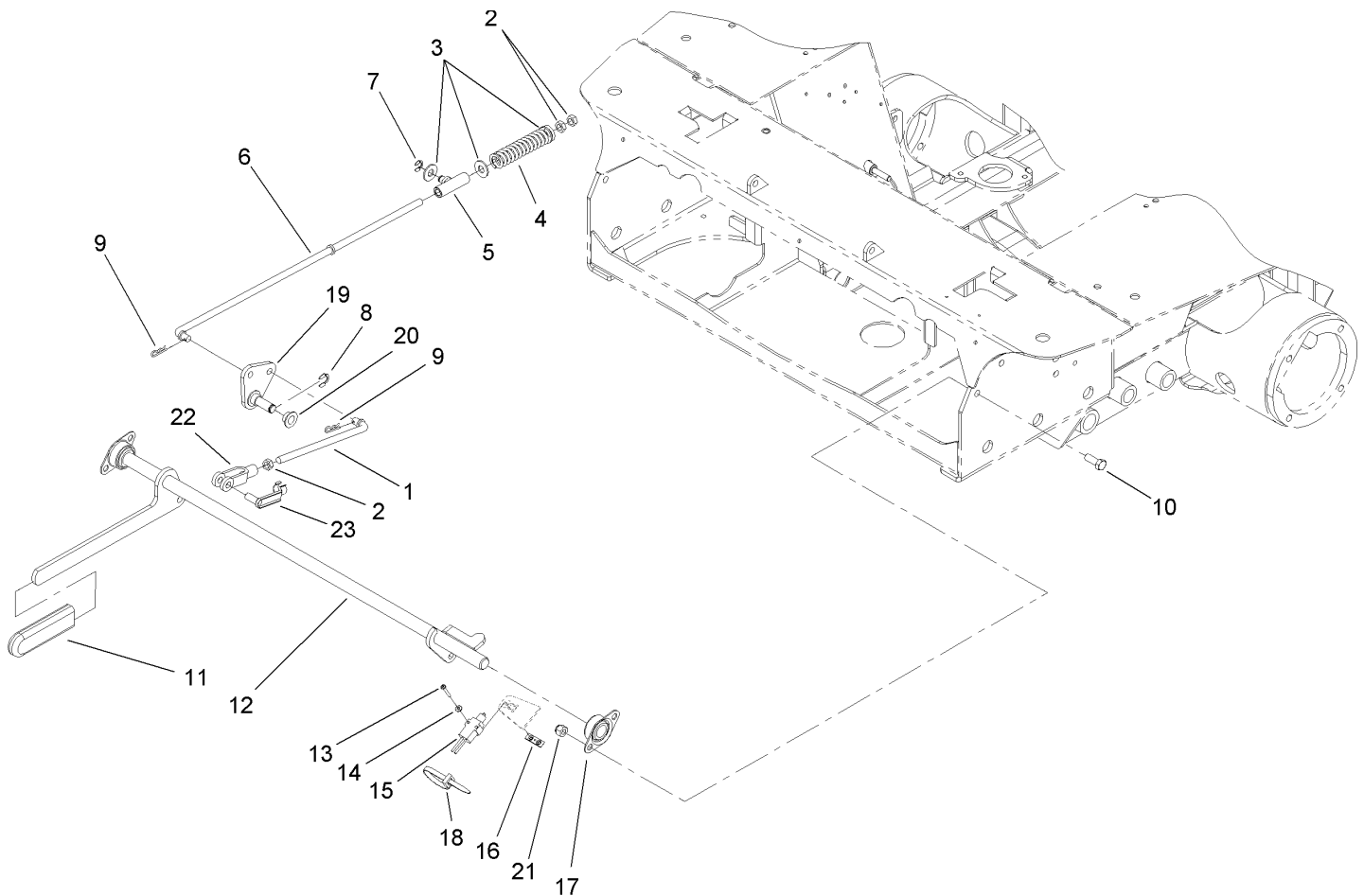
15



Hydraulic Assembly

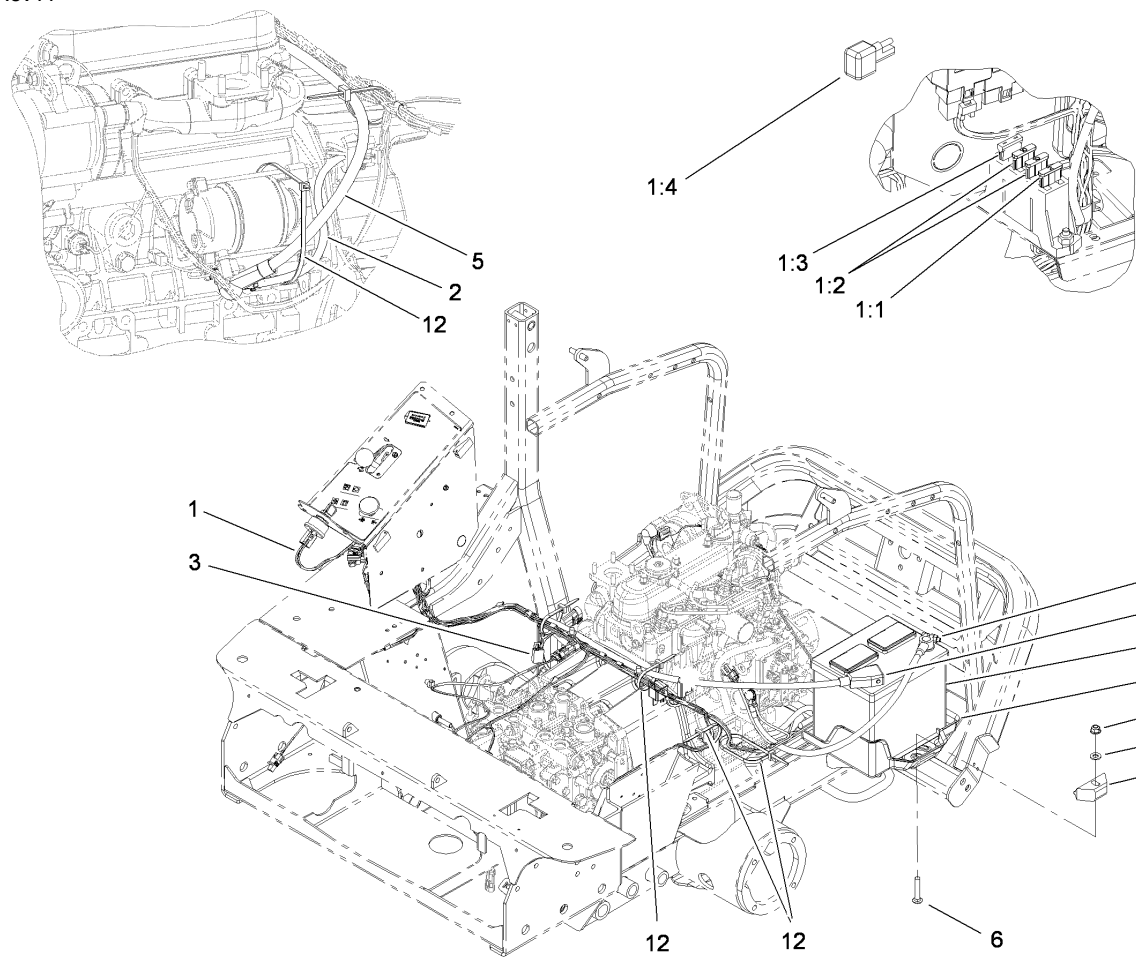
Ref	Part No.	Qty.	Description
1	110-8237	1	Hydraulic Reservoir ASM
1:1	108-5200	1	Reservoir-Hydraulic
1:2	104-7546	1	Strainer-Tank
1:2:1	340-136	1	O-Ring
1:3	353-989	1	Plug-Hex, Hollow
1:3:1	237-42	1	O-Ring
1:4	104-5228	1	Fitting-Elbow
1:5	108-9894	1	Fitting-Elbow, Special
1:5:1	237-81	1	O-Ring
1:6	354-73	1	Fitting-Straight
1:6:1	237-81	1	O-Ring
1:7	46-6560	2	Bushing
1:8	46-6550	1	Fitting-Elbow, 90 DEG
2	2412-34	2	Clamp-Hose
3	2412-98	2	Clamp
4	2412-108	2	Clamp-Worm
5	93-7498	1	Plug-Plastic
6	2412-129	4	Clamp-Hose
7	94-8166	1	O-Ring
8	109-0299	1	Hose-Fuel
9	110-5526	1	Hose-Suction
10	340-4	1	Fitting-HYD, Straight
10:1	237-30	1	O-Ring
10:2	237-79	1	O-Ring

Ref	Part No.	Qty.	Description
11	340-7	1	Adapter
11:1	237-65	1	O-Ring
11:2	237-80	1	O-Ring
12	110-5532	1	Tube ASM
13	94-5625	1	Hose-Overflow, Radiator
14	110-5529-03	1	Support-Reservoir
15	92-2379	2	Clamp-Hose
16	112-6365	1	Dipstick ASM
18	32144-14	2	Screw-HWHTF
19	2412-87	1	Clamp-Cable
20	321-4	1	Screw-HH
21	104-7201	1	Nut-HF
22	110-5524	1	Hose-Return
23	353-979	1	Fitting-Straight
23:1	237-42	1	O-Ring
24	110-9662	1	Hose-Fuel
25	68-6150	1	Breather
26	3290-379	2	Tie-Cable
27	354-95	1	Fitting-Straight
28	353-987	1	Fitting-HYD, 90
28:1	237-81	1	O-Ring
29	110-5522	1	Fitting-Elbow, 90
29:1	237-80	1	O-Ring
30	112-1680	1	Hose-HYD



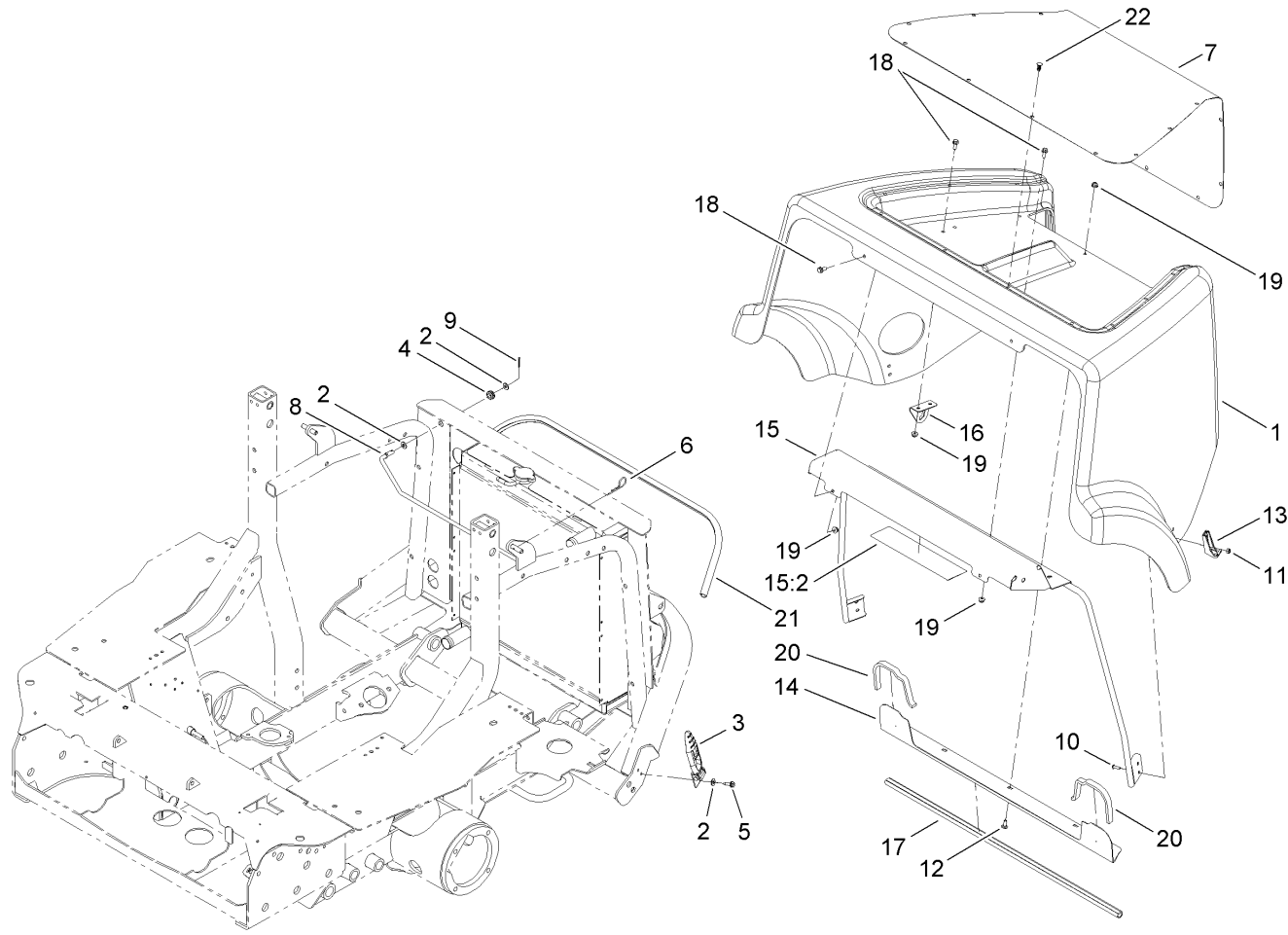
Parking Brake Assembly

Ref	Part No.	Qty.	Description				
1	110-5498	2	Rod-Brake, Front				
2	3219-3	6	Nut-Hex				
3	3256-4	6	Washer-Flat				
4	109-2230	2	Spring-Compression				
5	112-1676	2	Swivel ASM				
6	110-5494	2	Rod-Brake, Rear				
7	32151-47	2	Ring-Retaining				
8	32151-68	2	Ring-Retaining				
9	3290-307	4	Pin-Hair				
10	323-6	4	Screw-HH				
11	1-633268	1	Grip-Lever, Brake				
12	108-5214-03	1	Brake Handle ASM				
13	3250-35	2	Screw-PPH				
14	3256-53	2	Washer-Flat				
15	95-8900	1	Switch				
16	108-9824	1	Nut-Switch				
17	1-633102	2	Bearing-Flange, Side				
18	3290-378	1	Tie-Cable				
19	110-9754	2	Brake Pivot ASM				
20	1-513140	4	Bearing-Control				
21	3290-357	4	Nut-HHF, Whiz				
22	1-633131	2	Yoke-Linkage, Brake				
23	103-2399	2	Pin-Spring, Clevis				



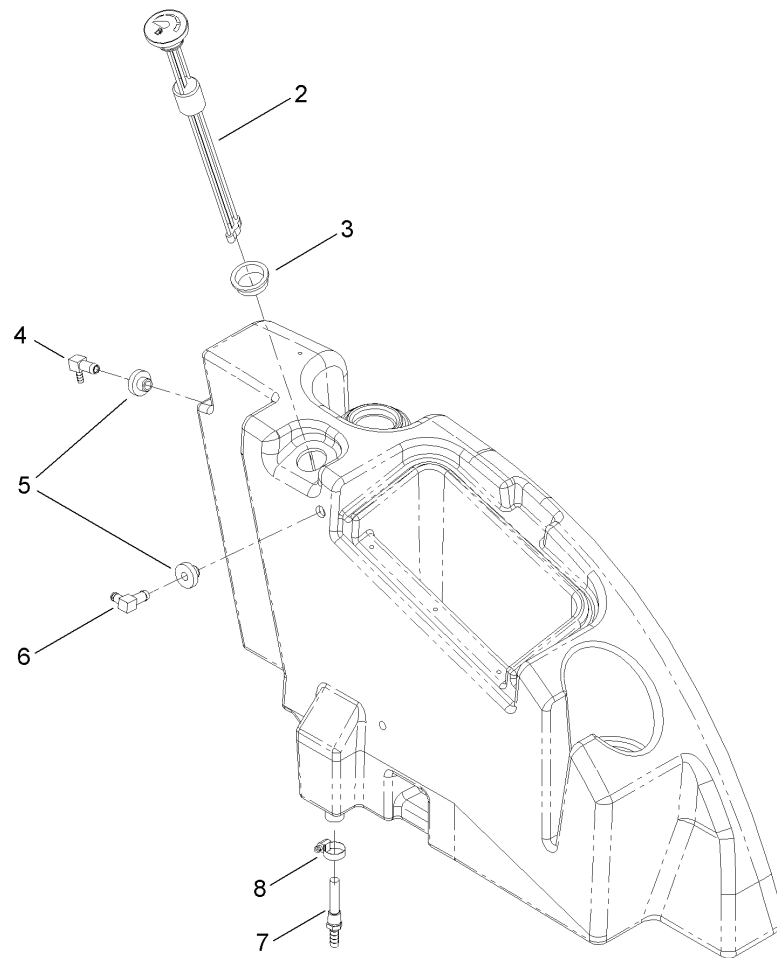
Electrical Assembly

Ref	Part No.	Qty.	Description				
1	114-3382	1	Harness-Wire, Main				
1:1	94-6710	1	Fuse-Blade, 2 Amp				
1:2	218-578	2	Fuse-10 Amp				
1:3	109355	1	Fuse-15 Amp				
1:4	100-4918	1	Diode				
2	99-3441	1	Harness-Wire, Fusible Link				
3	108-8657	1	Harness-Wire, Seat				
4	104-8301	1	Nut-Flange, NI				
5	104-0086	1	Cable-Battery, Positive				
6	3231-6	1	Screw-CARR				
7	105-0040	1	Cable-Battery, Negative				
8	66-2490	1	Retainer-Battery				
9	3256-24	1	Washer-Flat				
10	108-9928	1	Tray-Battery				
11	106-5187	1	Battery				
12	3290-378	5	Tie-Cable				



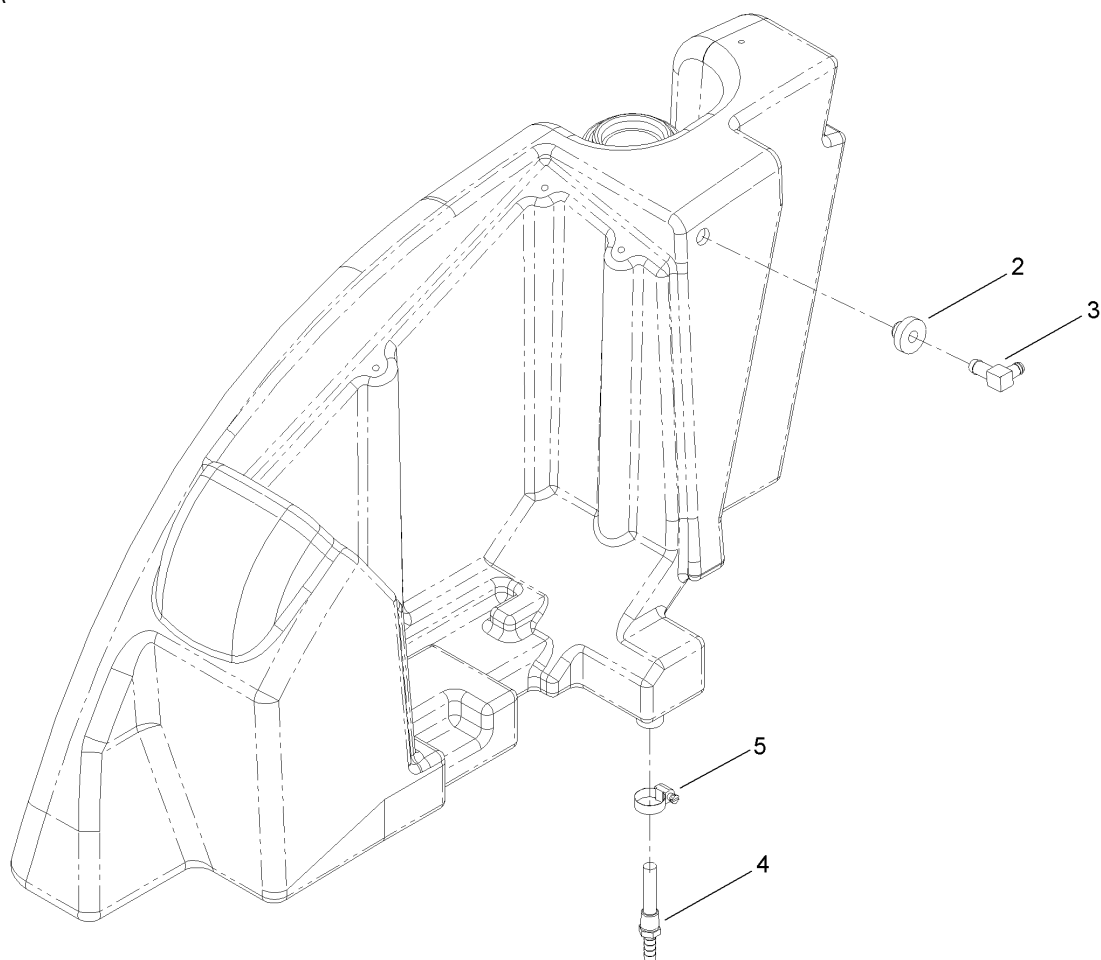
Hood Assembly

Ref	Part No.	Qty.	Description				
1	112-6311	1	Hood ASM				
2	3256-2	4	Washer-Flat				
3	103-2898	2	Latch-Rubber				
4	237-136	1	Grommet				
5	32104-95	2	Screw-HWH				
6	3290-255	1	Pin-Cotter, Hair				
7	115-1446-03	1	Screen-Intake				
8	110-8291	1	Rod-Prop, Hood				
9	3272-6	1	Pin-Cotter				
10	3274-39	4	Screw-HSBH				
11	3296-2	4	Nut-Lock, NI				
12	3229-11	3	Screw-CARR				
13	103-2897	2	Latch-Catch				
14	110-8285-03	1	Angle-Seal				
15	110-9795	1	Support-Hood				
15:2	110-9781	1	Decal-Danger				
16	108-9811	1	Support-Rod, Prop				
17	110-8287	1	Bulb-Seal				
18	3234-33	8	Screw-HHF				
19	104-7201	11	Nut-HF				
20	110-8288	2	Seal-Foam				
21	112-1694	1	Seal-Bulb				
22	114-4899	17	Plug-Plastic				



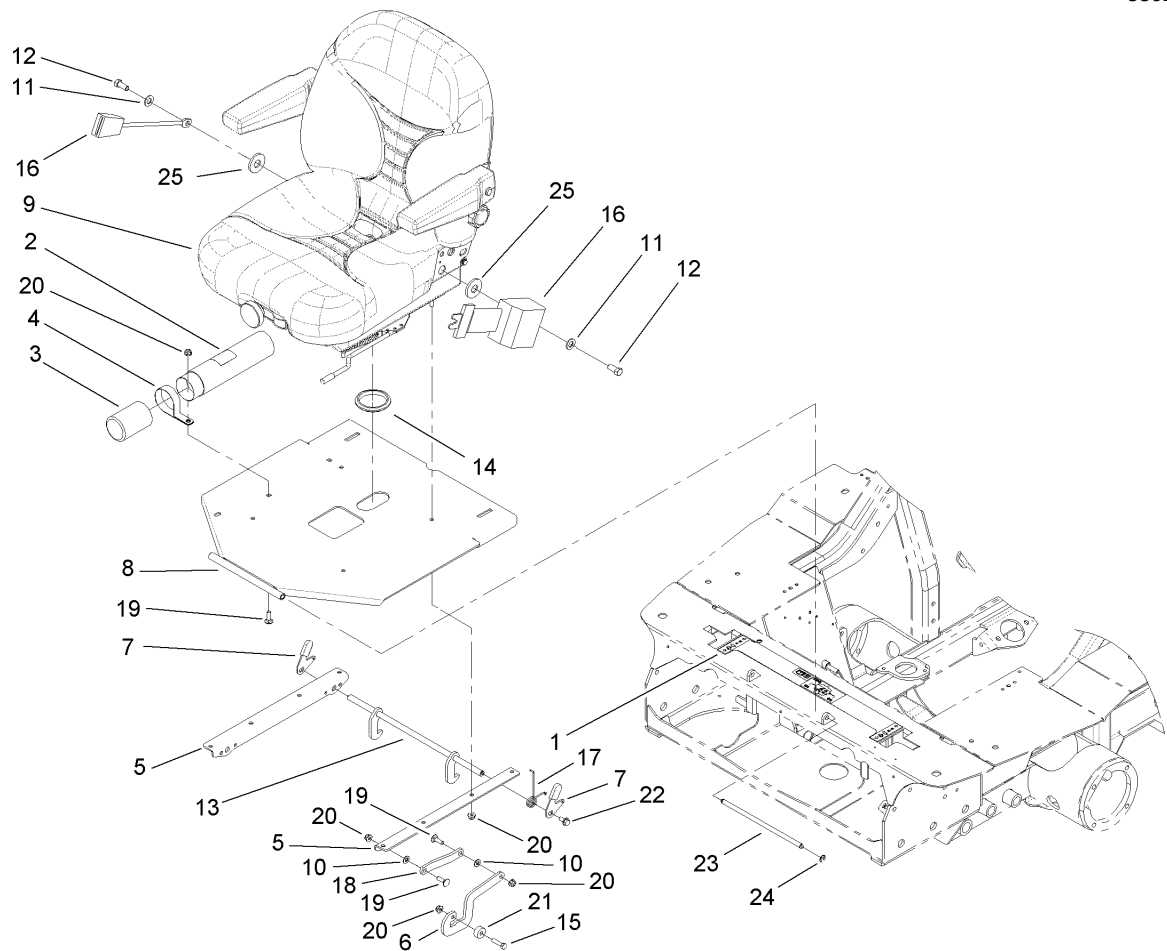
LH Fuel Tank Assembly No. 110-8230

Ref	Part No.	Qty.	Description				
2	110-8262	1	Gauge-Fuel				
3	95-8972	1	Grommet				
4	104-5228	1	Fitting-Elbow				
5	46-6560	2	Bushing				
6	1-643259	1	Fitting-Elbow				
7	112-6374	1	Fitting-Strainer				
8	2412-36	1	Clamp-Hose				



RH Fuel Tank Assembly No. 110-8236

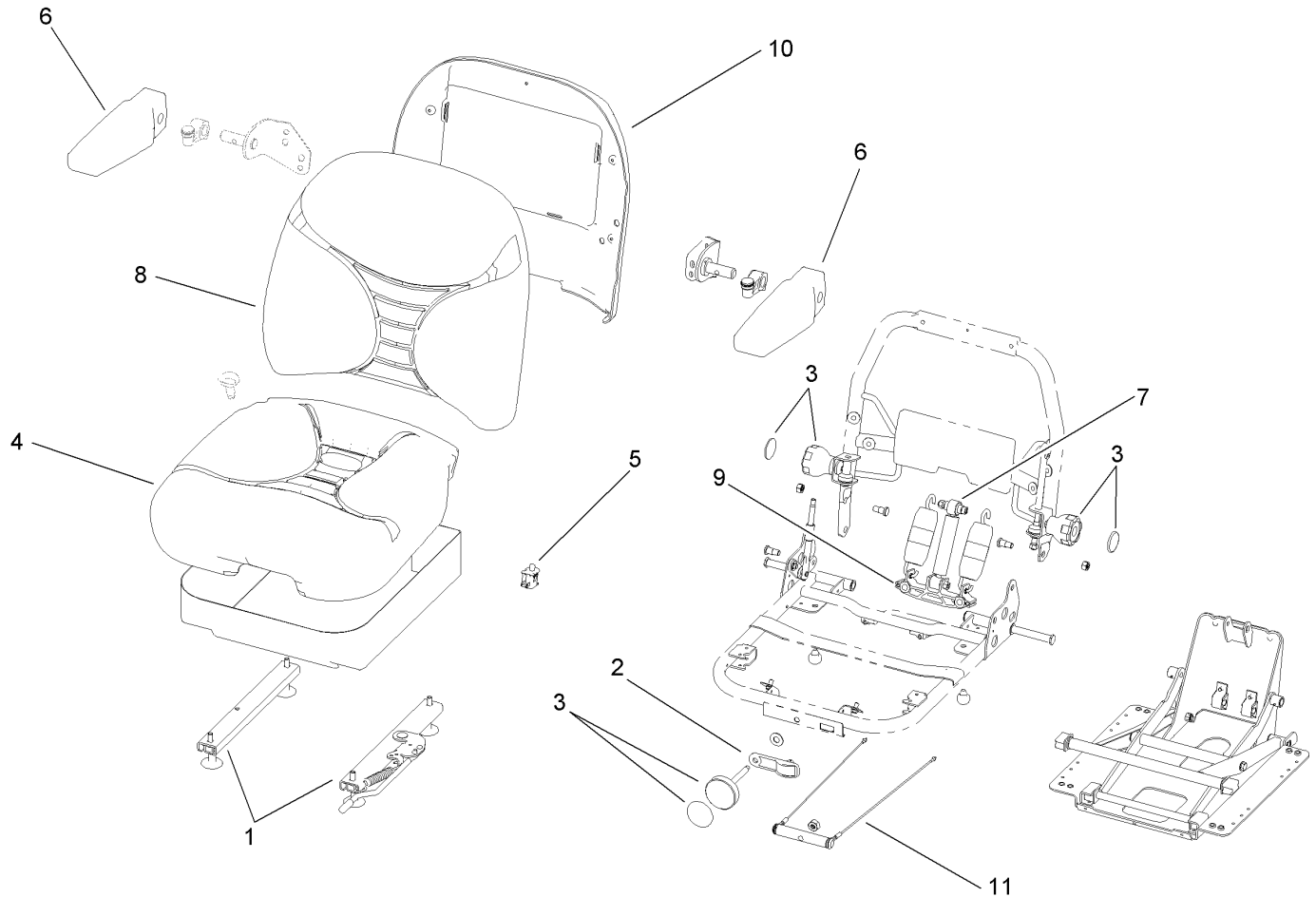
Ref	Part No.	Qty.	Description
2	46-6560	1	Bushing
3	1-643259	1	Fitting-Elbow
4	112-6374	1	Fitting-Strainer
5	2412-36	1	Clamp-Hose



Seat Assembly

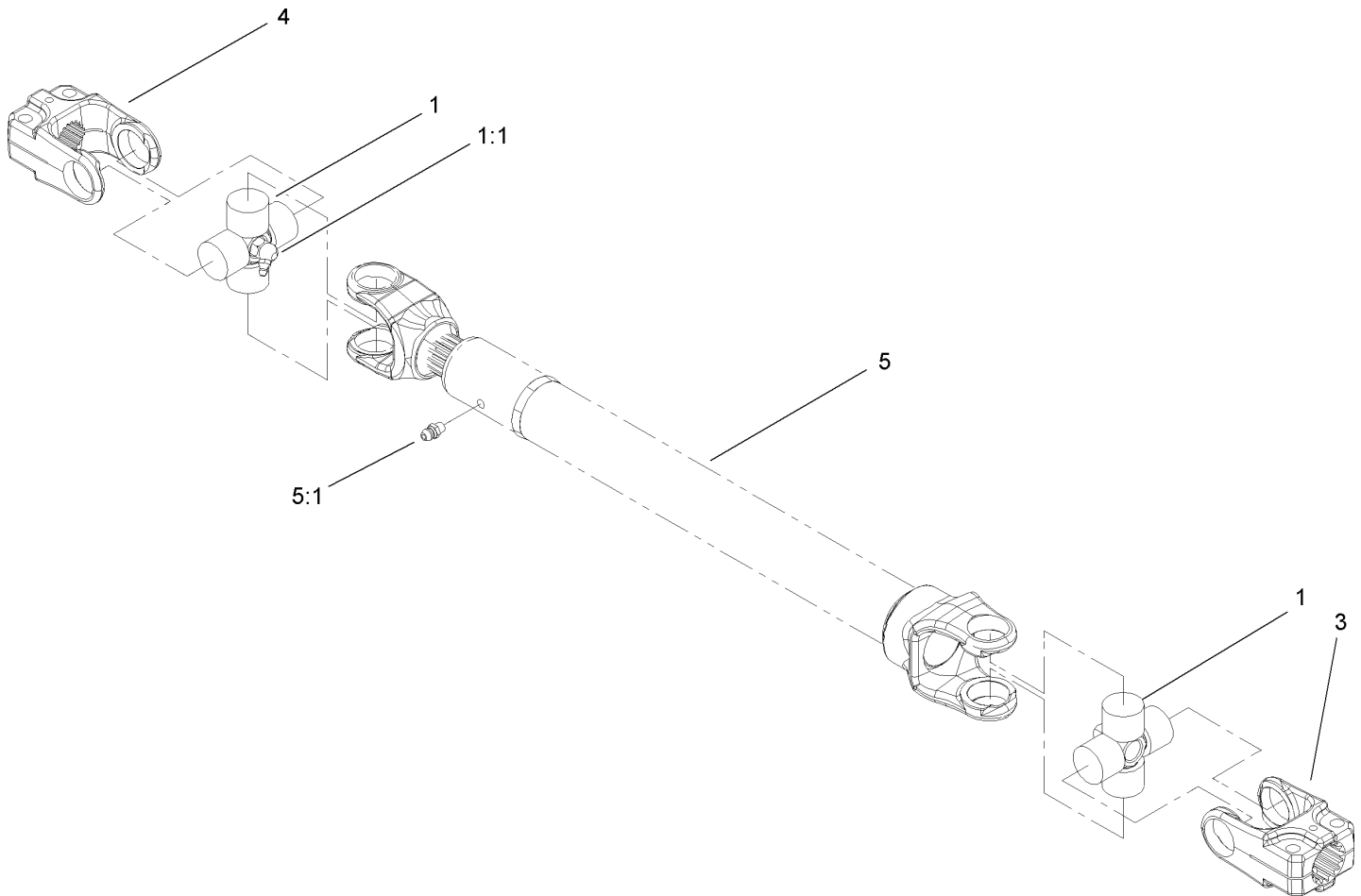
Ref	Part No.	Qty.	Description
1	110-9774	1	Decal-Safety
2	104-7050	1	Housing-Manual
3	104-7048	1	Cap-Housing
4	2412-133	2	R-Clamp
5	108-5238-03	2	Angle-Latch
6	110-5512	1	Lever-Stop, Seat
7	108-5243	2	Lever-Latch
8	107-2272-03	1	Plate-Seat
9	107-2286	1	Seat ASM
10	3256-23	2	Washer-Flat
11	3256-25	2	Washer-Flat
12	3212-4	2	Screw-HH
13	108-5240	1	Latch ASM
14	237-164	1	Grommet
15	322-6	1	Screw-HH
16	100-4928	1	Belt-Seat
17	106-4048	1	Spring-Torsion
18	110-5513	1	Link-Seat
19	3230-2	4	Bolt-CARR
20	104-8300	9	Nut-Flange, NI
21	104-1429	1	Spacer-Plain
22	32144-14	2	Screw-HWHTF
23	112-1686	1	Pin-Clevis
24	105-7004	2	E-Ring

Ref	Part No.	Qty.	Description
25	99-7667	2	Washer-Flat



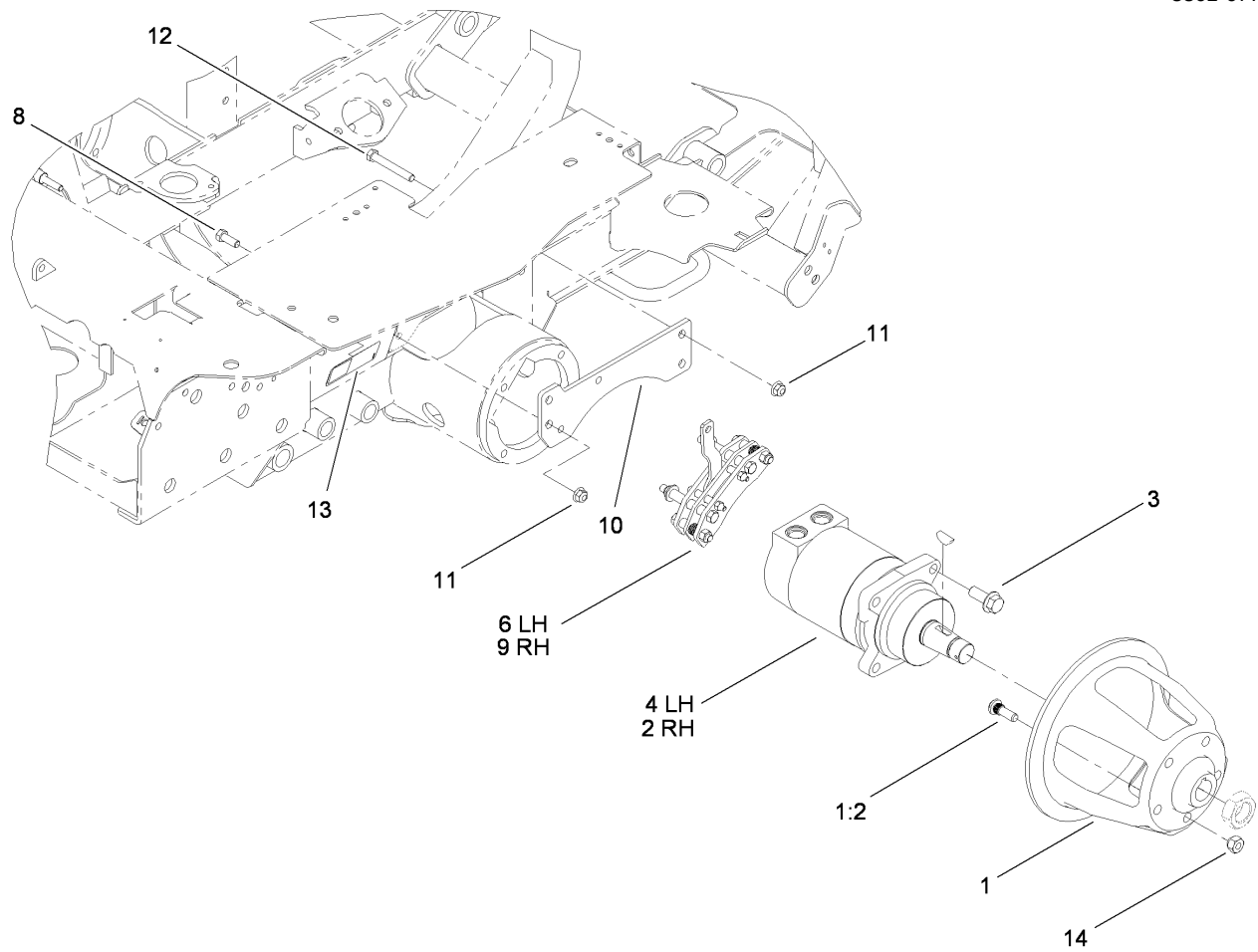
Seat Assembly No. 107-2286

Ref	Part No.	Qty.	Description				
1	107-1880	1	Seat Track Kit				
2	107-1885	1	Weight Indicator Kit				
3	107-1881	1	Knob Kit				
4	107-1883	1	Bottom Cushion Kit				
5	82-2190	1	Switch-Bail				
6	107-1887	1	Armrest Kit				
7	107-1884	1	Shock Absorber Kit				
8	107-1882	1	Back Cushion Kit				
9	109-3343	1	Spring And Saddle Kit				
10	109-3344	1	Back Panel Kit				
11	109-3345	1	Weight Adjust Kit				



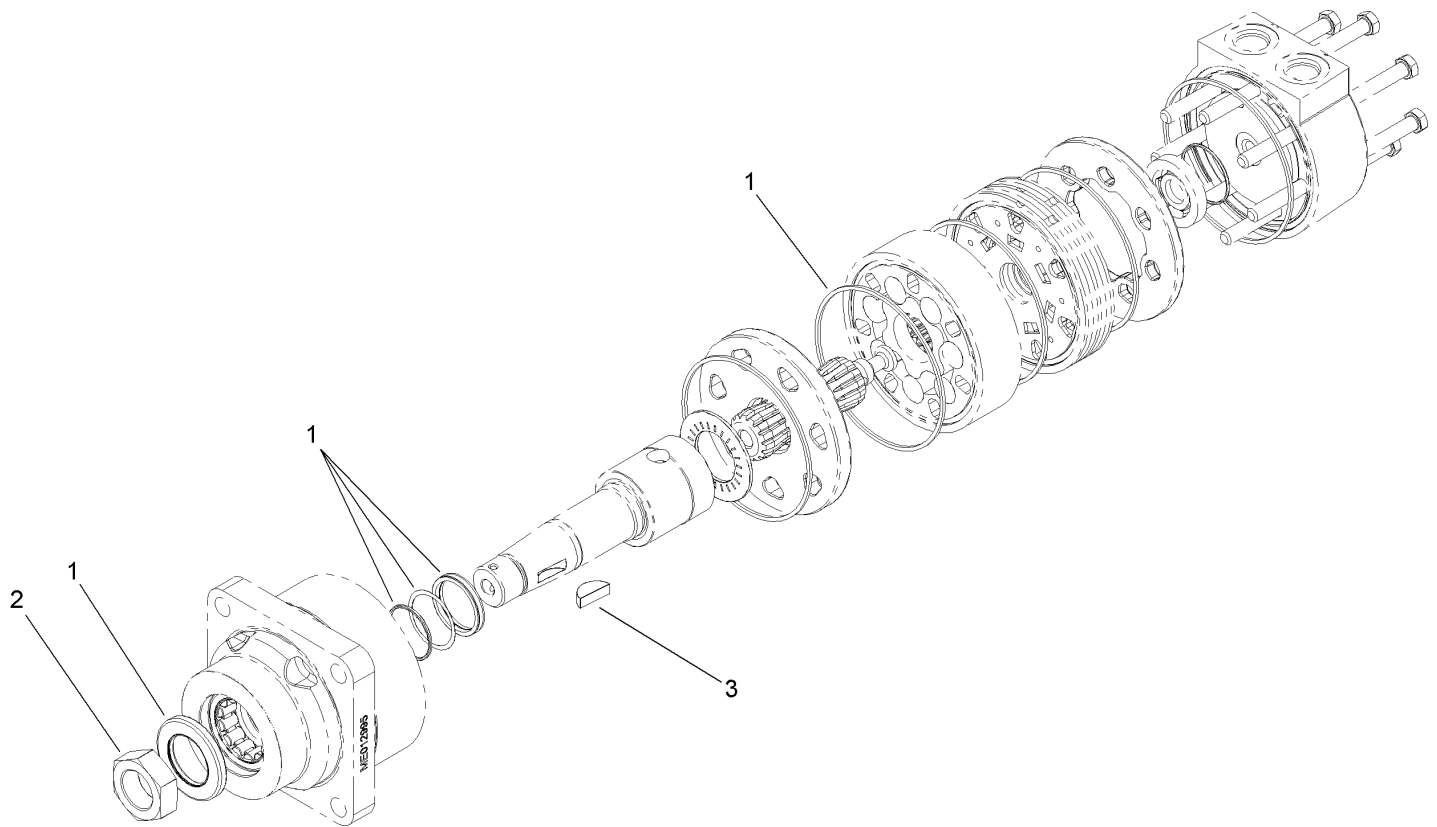
Driveshaft Assembly No. 110-3575

Ref	Part No.	Qty.	Description				
1	112-1687	2	Cross And Bearing Kit				
1:1	62-3820	1	Fitting-Grease				
3	54-9040	1	Yoke-End				
4	54-9090	1	Yoke-End				
25		1	Tube-Yoke, Slip				
5:1	302-22	1	Fitting-Grease				



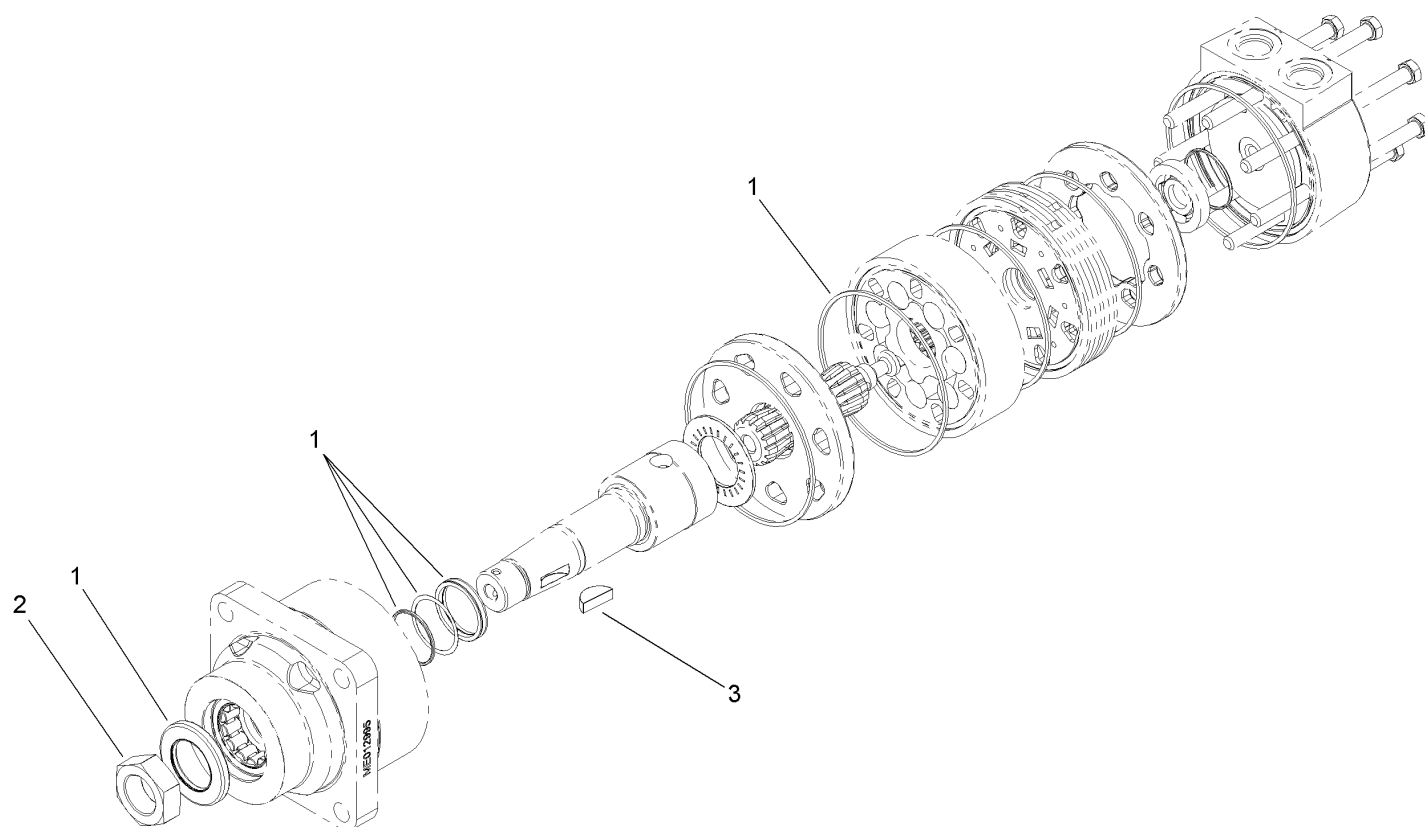
Rear Drive Assembly

Ref	Part No.	Qty.	Description				
1	110-5535	2	Wheel Hub ASM				
1:2	87-8730	5	Stud				
2	108-5230	1	RH HYD Motor ASM				
3	100-6116	8	Screw-HHF				
4	108-5155	1	LH HYD Motor ASM				
6	108-5151	1	Caliper-Brake, LH				
8	323-6	4	Screw-HH				
9	108-5150	1	Caliper-Brake, RH				
10	112-9550-03	2	Bracket-Brake				
11	104-8301	8	Nut-Flange, NI				
12	323-14	4	Screw-HH				
13	106-9206	2	Decal-Torque, Wheel				
14	23-7270	10	Nut-Wheel				



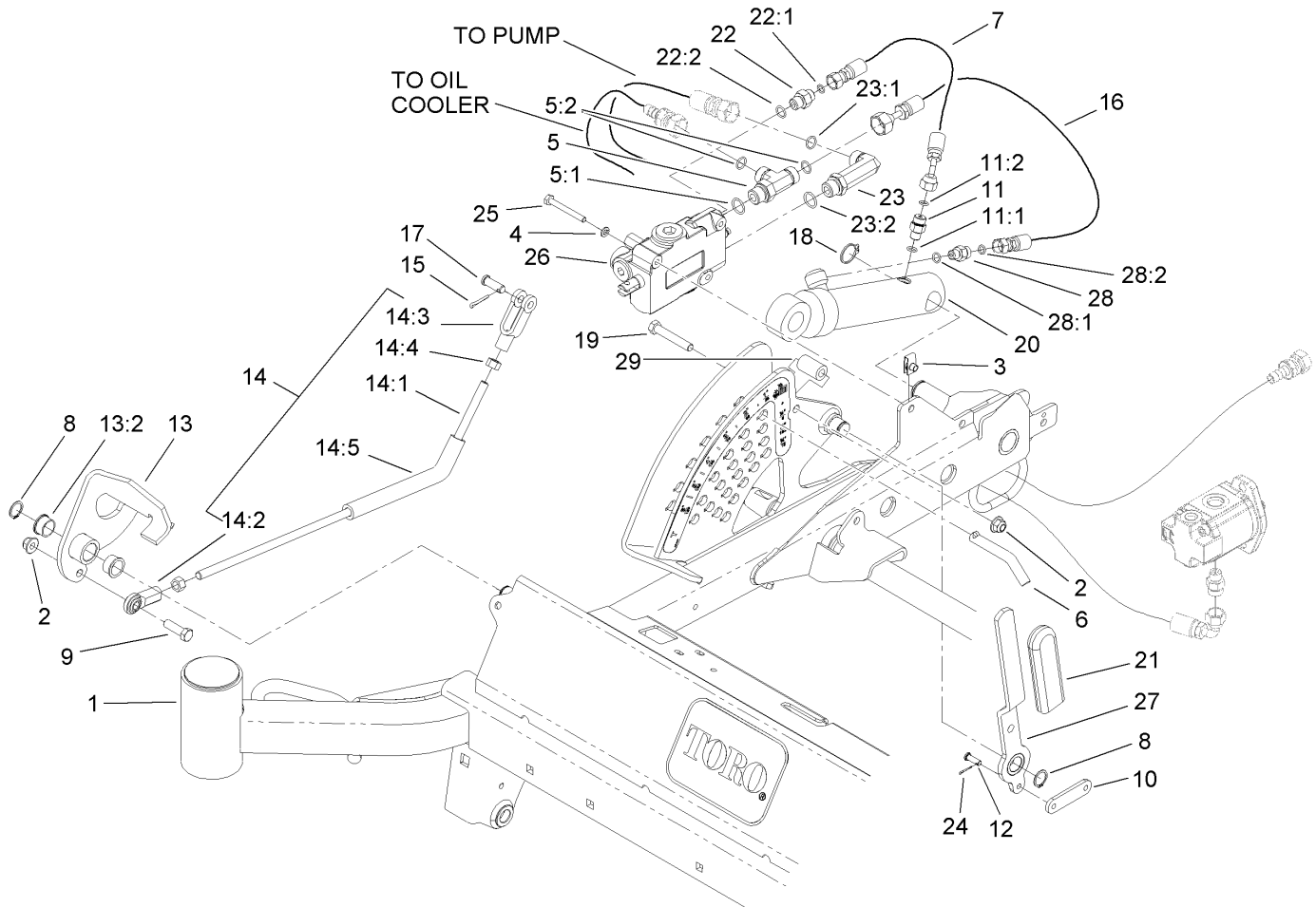
Hydraulic Motor Assembly No. 108-5230

Ref	Part No.	Qty.	Description
1	112-8405	1	Seal Kit
2	107-9319	1	Nut-Hex
3	3257-42	1	Key-Woodruff



Hydraulic Motor Assembly No. 108-5155

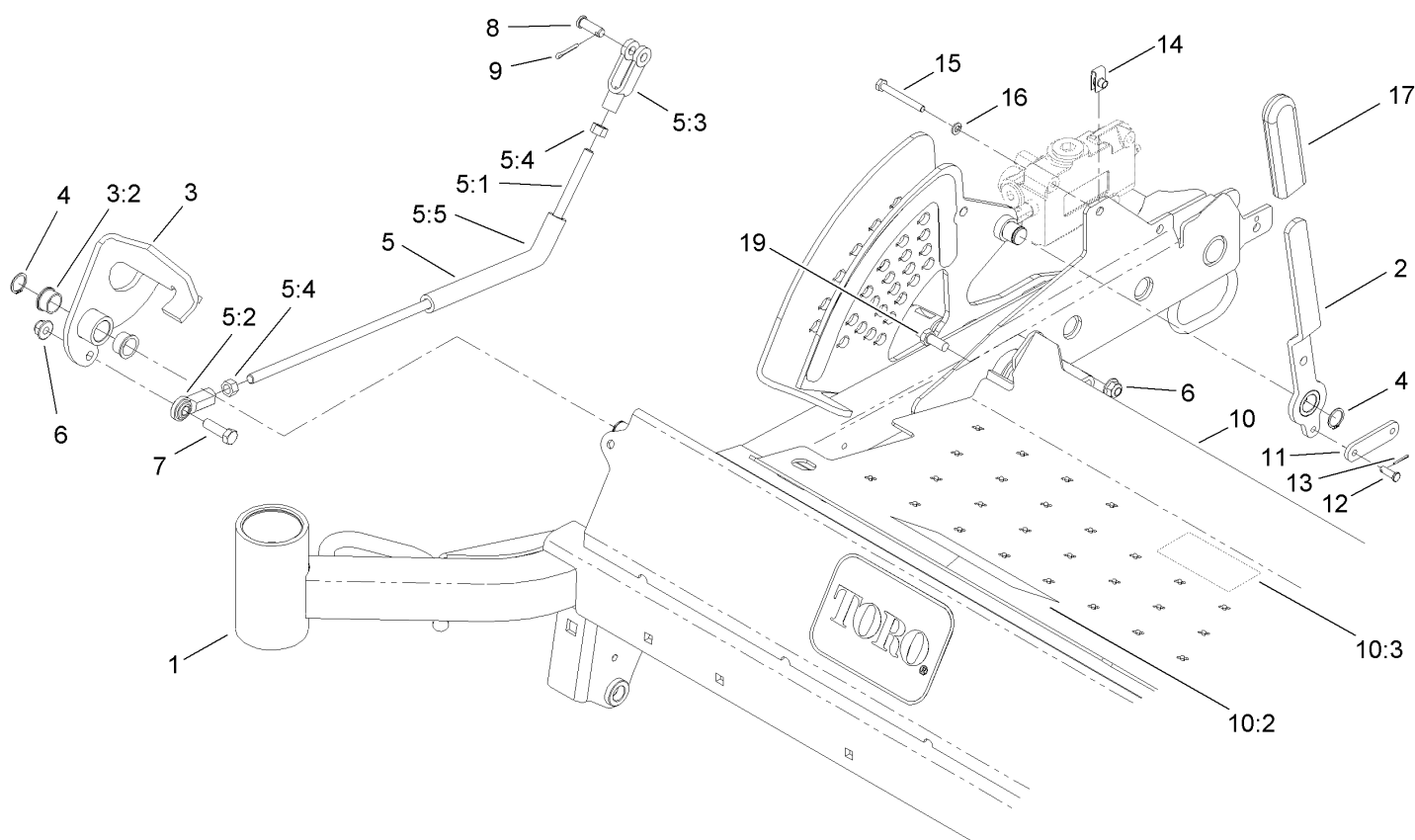
Ref	Part No.	Qty.	Description
1	112-8405	1	Seal Kit
2	107-9319	1	Nut-Hex
3	3257-42	1	Key-Woodruff



Carrier Frame and Valve Assembly

Ref	Part No.	Qty.	Description
1	114-4086	1	Carrier Frame ASM
2	104-8301	2	Nut-Flange, NI
3	107069	2	Clip
4	3253-3	2	Washer-Lock
5	340-109	1	Fitting-HYD, Tee
5:1	237-79	1	O-Ring
5:2	237-30	2	O-Ring
6	112-9544	1	Pin-HOC
7	110-8966	1	Hose ASM
8	32120-72	2	Ring-Snap
9	323-7	1	Screw-HH
10	114-4042	1	Link
11	95-1639	1	Fitting-HYD
11:1	237-78	1	O-Ring
11:2	237-21	1	O-Ring
12	1-808265	2	Pin-Clevis
13	112-9534	1	Pedal ASM
13:2	256-252	2	Bearing-Flange
14	112-9539	1	Link ASM
14:1	112-9535	1	Rod-Threaded
14:2	103-0608	1	Joint-Ball, End
14:3	1-633131	1	Yoke-Linkage, Brake
14:4	3219-3	2	Nut-Hex
14:5	114-4041	1	Hose-Foam

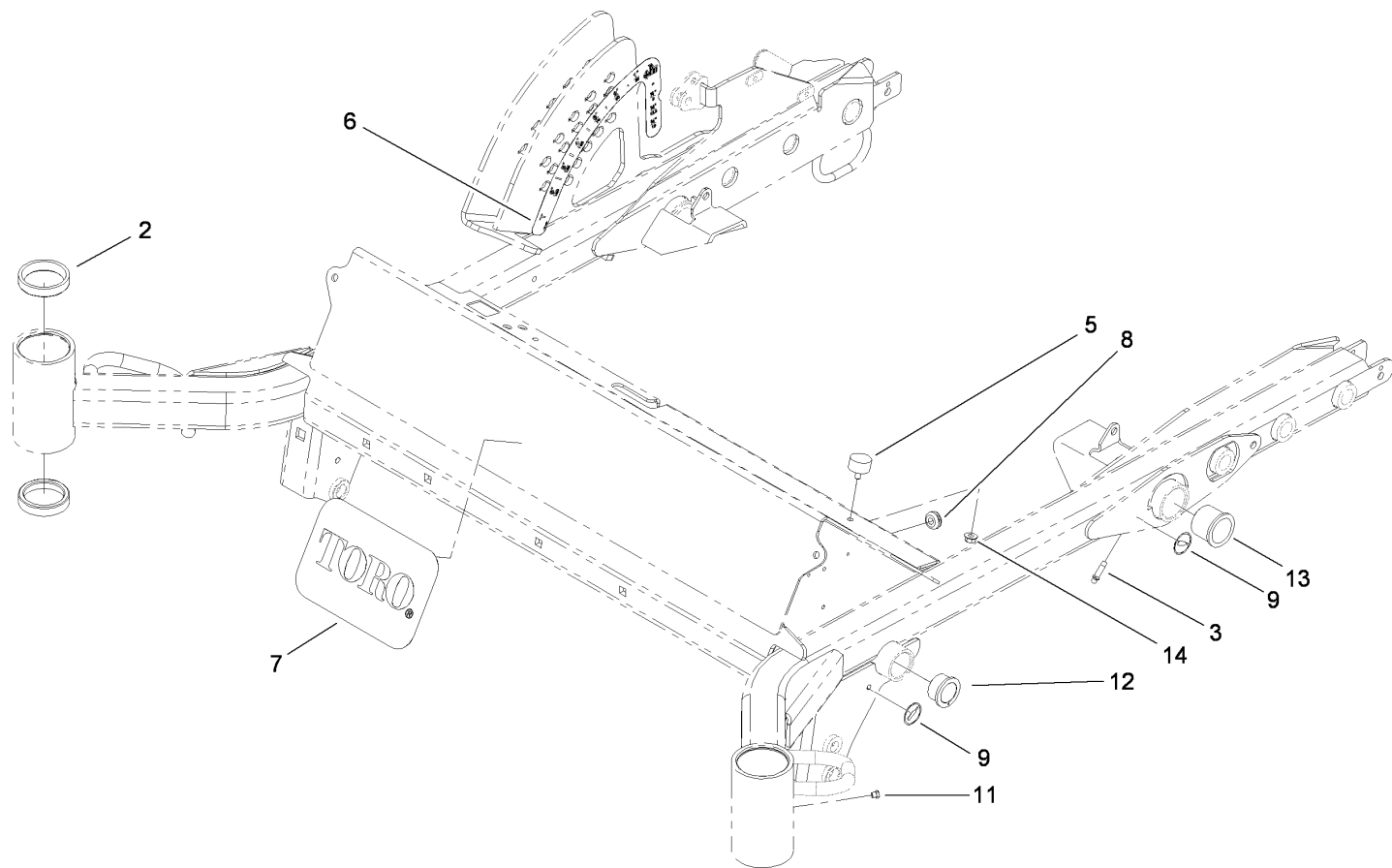
Ref	Part No.	Qty.	Description
15	3272-10	1	Pin-Cotter
16	112-6324	1	Hose ASM
17	283-2	1	Pin-Clevis
18	32151-36	1	Ring-Retaining
19	323-11	1	Screw-HH
20	110-9834	1	Cylinder-HYD
21	1-633268	1	Grip-Lever, Brake
22	340-1	1	Adapter
22:1	237-21	1	O-Ring
22:2	237-42	1	O-Ring
23	99-6160	1	Fitting-Elbow, 90 DEG
23:1	237-30	1	O-Ring
23:2	237-79	1	O-Ring
24	3272-1	2	Pin-Cotter
25	321-18	2	Screw-HH
26	114-2877	1	Valve ASM
27	114-4027-03	1	Lever ASM
28	340-92	1	Fitting-HYD, Straight
28:1	237-78	1	O-Ring
28:2	237-21	1	O-Ring
29	115-1425	1	Spacer



Carrier Frame Service Kit Assembly No. 114-4086

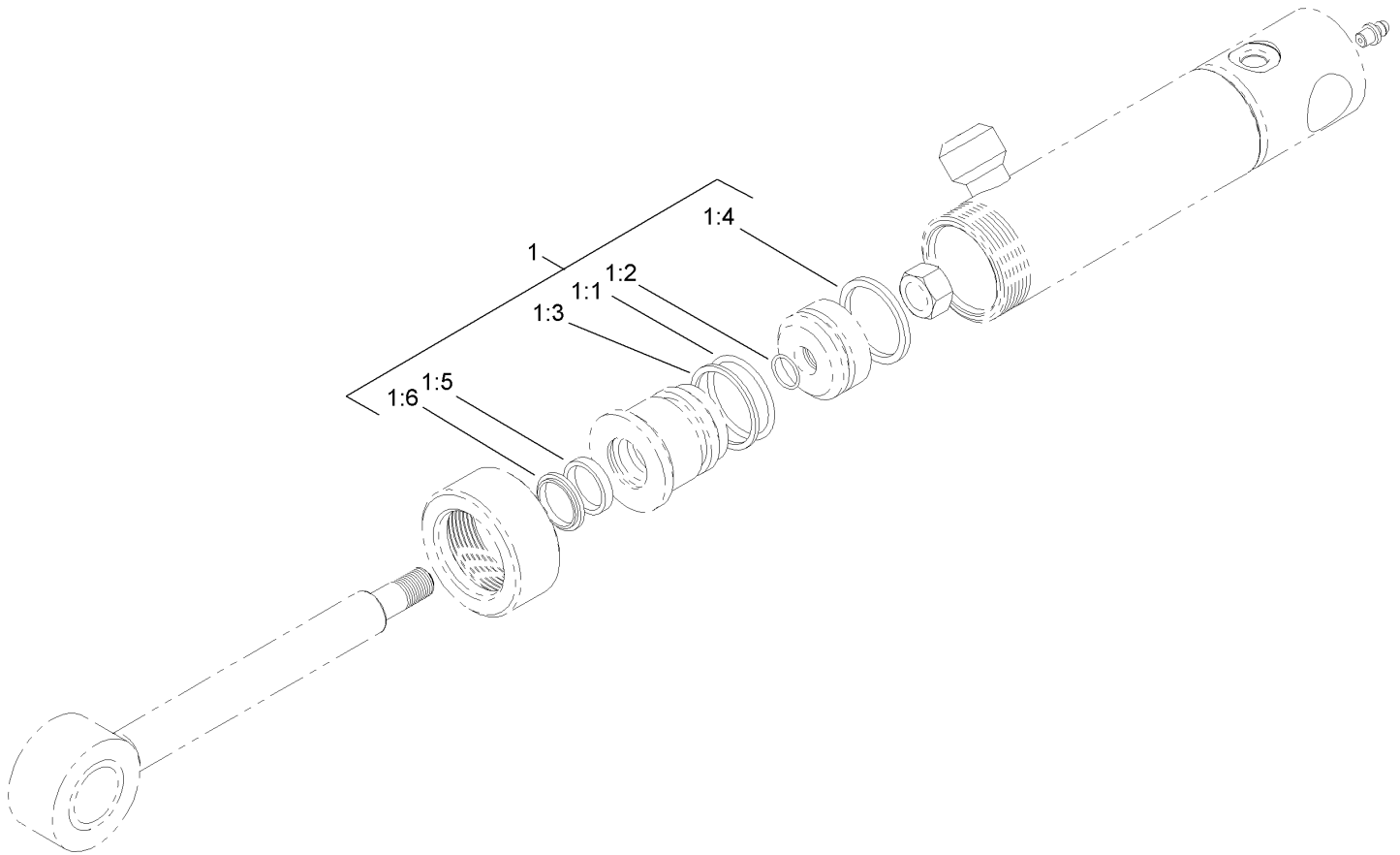
Ref	Part No.	Qty.	Description
② 1		1	Carrier Frame ASM
2	114-4027-03	1	Lever ASM
3	112-9534	1	Pedal ASM
3:2	256-252	2	Bearing-Flange
4	32120-72	2	Ring-Snap
5	112-9539	1	Link ASM
5:1	112-9535	1	Rod-Threaded
5:2	103-0608	1	Joint-Ball, End
5:3	1-633131	1	Yoke-Linkage, Brake
5:4	3219-3	2	Nut-Hex
5:5	114-4041	1	Hose-Foam
6	104-8301	3	Nut-Flange, NI
7	323-7	1	Screw-HH
8	283-2	1	Pin-Clevis
9	3272-10	1	Pin-Cotter
10	114-4048	1	Floor Plate ASM
10:2	107-1866	1	Decal-Danger, Slope
10:3	112-1461	1	Decal-Routing, Belt
11	114-4042	1	Link
12	1-808265	2	Pin-Clevis
13	3272-1	2	Pin-Cotter
14	107069	2	Clip
15	321-18	2	Screw-HH
16	3253-3	2	Washer-Lock

Ref	Part No.	Qty.	Description
17	1-633268	1	Grip-Lever, Brake
19	323-5	2	Screw-HH



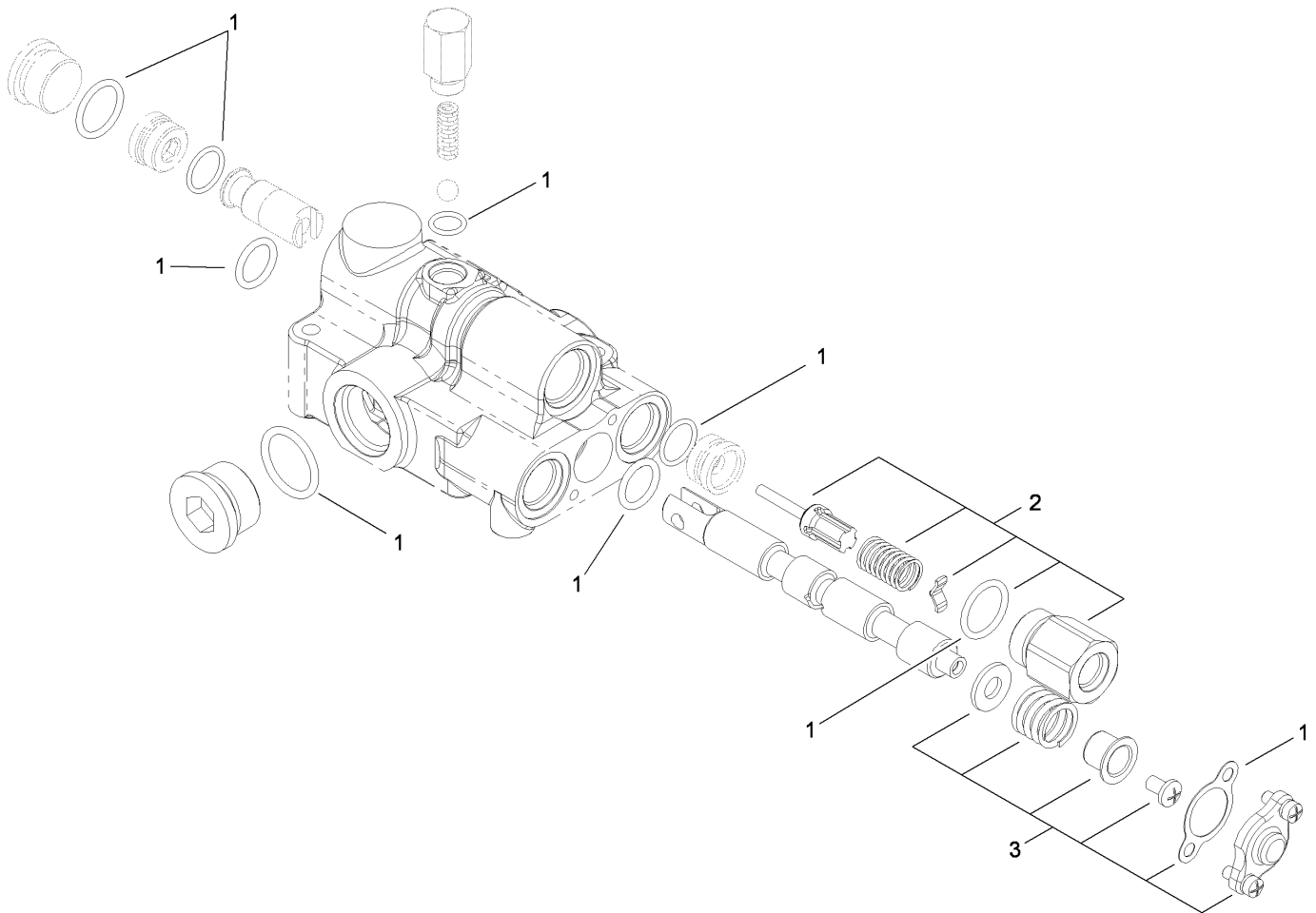
Carrier Frame Assembly

Ref	Part No.	Qty.	Description				
2	254-107	4	Cup-Bearing, Tapered				
3	302-64	2	Fitting-Grease				
5	240-14	4	Bumper-Rubber				
6	112-1620	1	Decal-HOC				
7	62-5550	1	Decal				
8	237-141	1	Grommet-Rubber				
9	58-6520	4	Decal-Grease				
11	1-811010	2	Plug				
12	94-7574	2	Bushing-Flanged				
13	256-268	2	Bushing				
14	104-7201	4	Nut-HF				



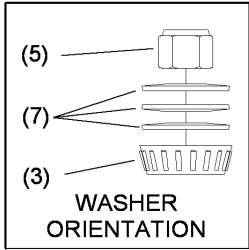
Hydraulic Cylinder Assembly No. 110-9834

Ref	Part No.	Qty.	Description				
1	112-6353	1	Seal Kit				
21:1		1	O-Ring				
21:2		1	O-Ring				
21:3		1	Backup				
21:4		1	Seal-Bp				
21:5		1	Seal-Rod				
21:6		1	Seal-Dust				



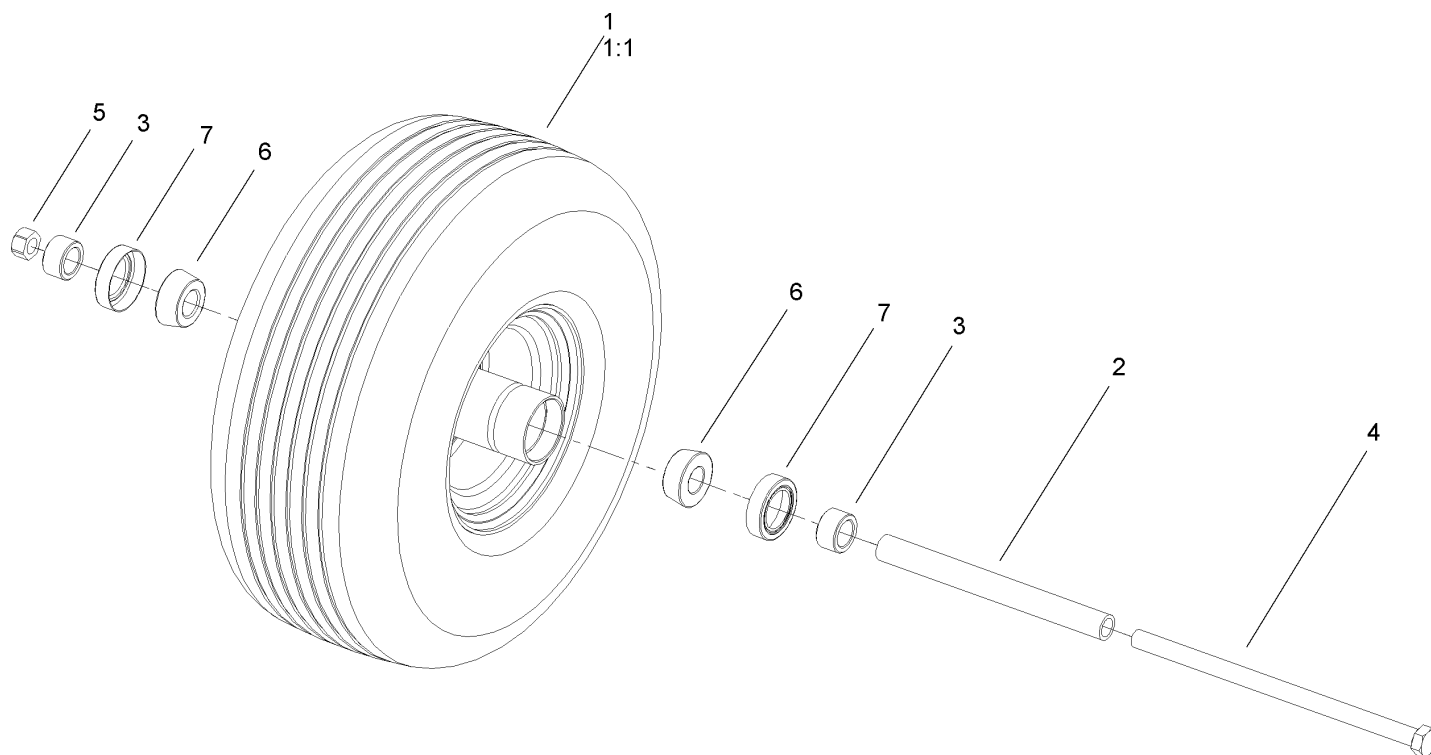
Hydraulic Valve Assembly No. 114-2877

Ref	Part No.	Qty.	Description
1	110-6442	1	Seal Kit
2	110-6441	1	Pilot Check Kit
3	114-2889	1	Spring Center Kit



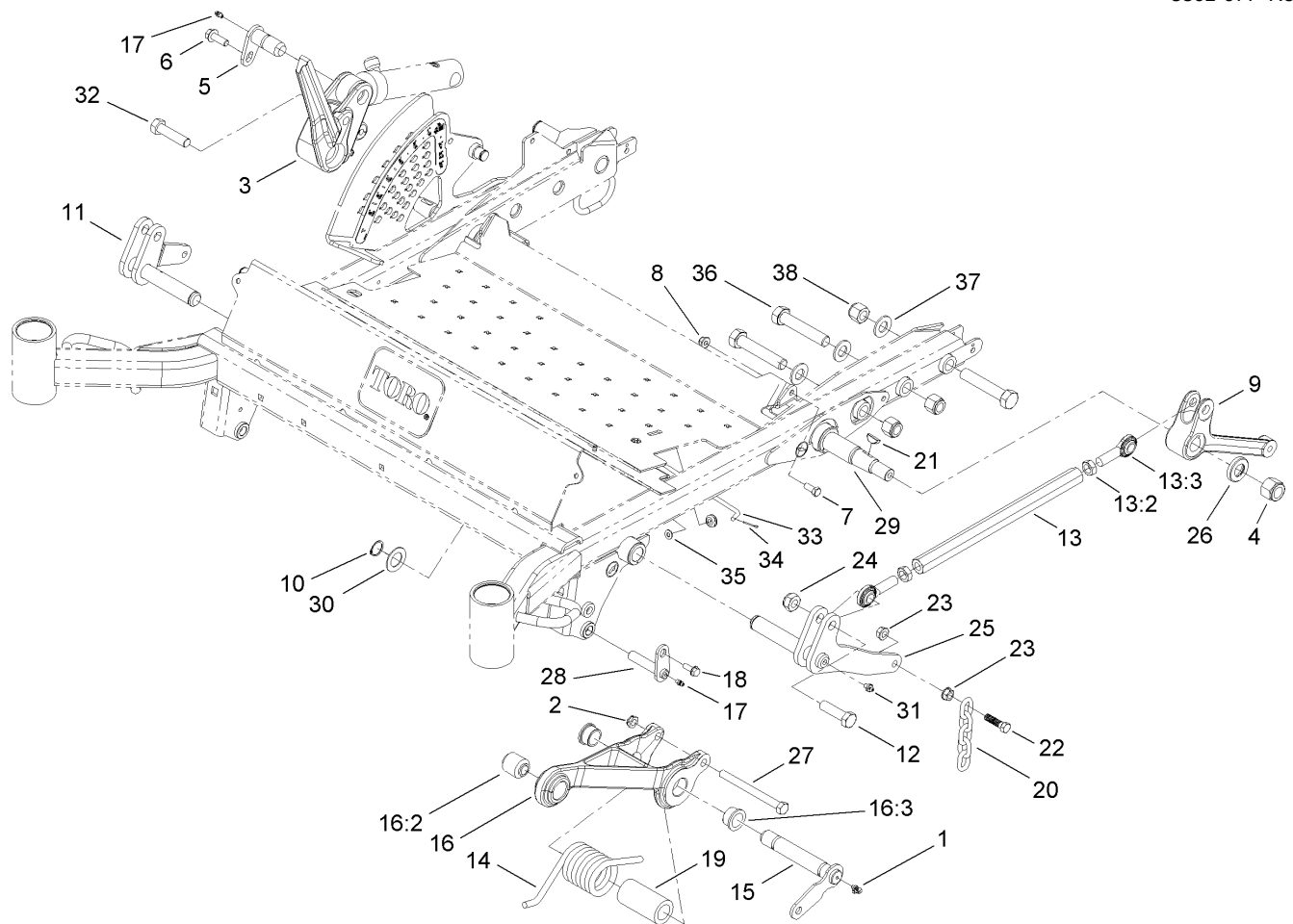
Caster Fork Assembly

Ref	Part No.	Qty.	Description				
1	108-9954	2	Caster Wheel ASM				
2	108-9946-03	2	Fork-Caster				
3	254-106	4	Cone-Bearing, Tapered				
4	69-2980	2	Seal				
5	3296-51	2	Nut-Lock, NI				
6	108-9950	2	Cap-Grease				
7	108-9957	6	Washer-Belleville				



Caster Wheel Assembly No. 108-9954

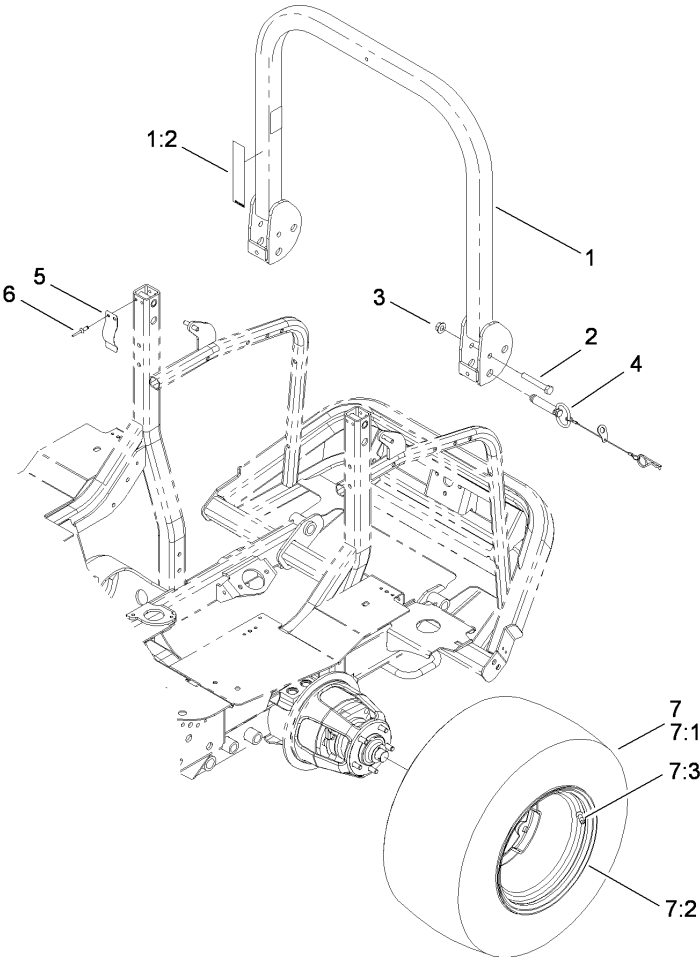
Ref	Part No.	Qty.	Description				
1	108-9956	1	Tire And Wheel ASM				
1:1	108-9955	1	Tire				
2	1-633959	1	Spacer-Caster, Front				
3	1-633581	2	Spacer-Bearing				
4	325-39	1	Screw-HH				
5	3296-25	1	Nut-Lock, NI				
6	1-633585	2	Bearing-Cone, Taper				
7	1-633580	2	Seal-Bearing				



Deck Linkage Assembly

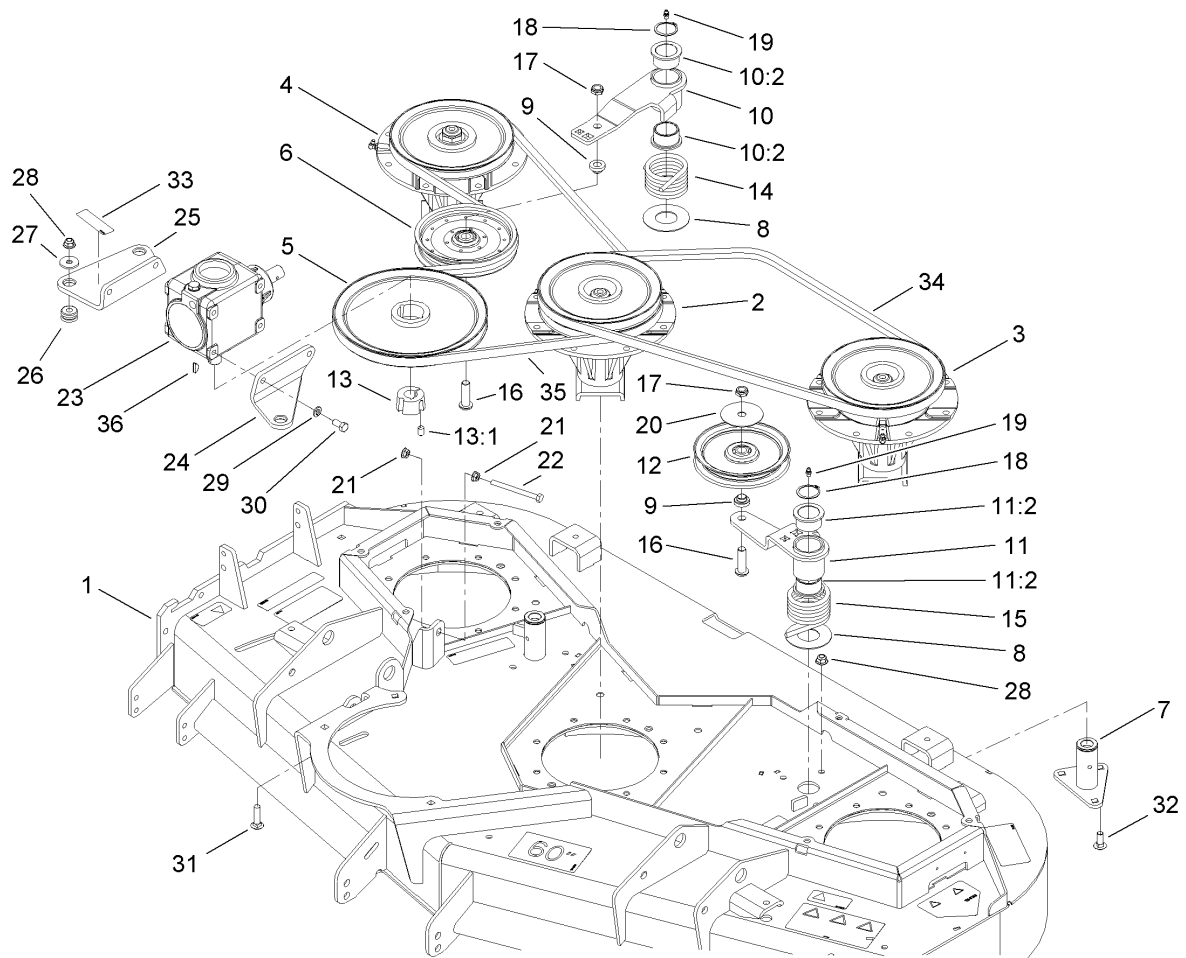
Ref	Part No.	Qty.	Description
1	302-60	4	Fitting-Grease, 90 DEG
2	3296-45	2	Nut-Lock, NI
3	112-1635-03	1	Arm-Lift, RH
4	94-8000	2	Nut-Hex
5	98-2654	1	Pivot Pin ASM
6	3234-15	1	Screw
7	323-5	2	Screw-HH
8	104-8301	2	Nut-Flange, NI
9	112-1637-03	1	Arm-Lift, LH
10	32151-29	2	Ring-Retaining
11	110-9820-03	1	RH Lift ASM
12	327-22	3	Screw-HH
13	114-4059	2	Link ASM
13:2	3220-6	2	Nut-Jam
13:3	1-633029	2	Balljoint-Spherical
14	112-9520	2	Spring-Torsion
15	112-1622	2	Pin
16	112-1625	2	Pull Link ASM
16:2	107-2328	1	Bushing
16:3	114-5680	2	Bushing-Flange
17	302-5	3	Fitting-Grease
18	32144-41	2	Screw-Taptite
19	110-9845	2	Spacer-Plain
20	103-1898	4	Screw-HH

Ref	Part No.	Qty.	Description
21	3257-42	2	Key-Woodruff
22	1-633447	4	Chain-Lift, Deck
23	32128-37	6	Nut-HF
24	3296-61	3	Nut-Lock
25	110-9818-03	1	LH Lift ASM
26	112-9585	2	Washer-Hardened
27	325-22	2	Screw-HH
28	112-1602	2	Pin-Retainer
29	112-9522-03	1	Shaft-Lift, Deck
30	69-9010	2	Washer
31	302-2	2	Fitting-Grease
32	327-7	1	Screw-HH
33	110-9847	1	Rod-Prop
34	3272-6	1	Pin-Cotter
35	3256-22	1	Washer-Flat
36	328-7	5	Screw-HH
37	92-5836	5	Washer
38	3296-51	5	Nut-Lock, NI



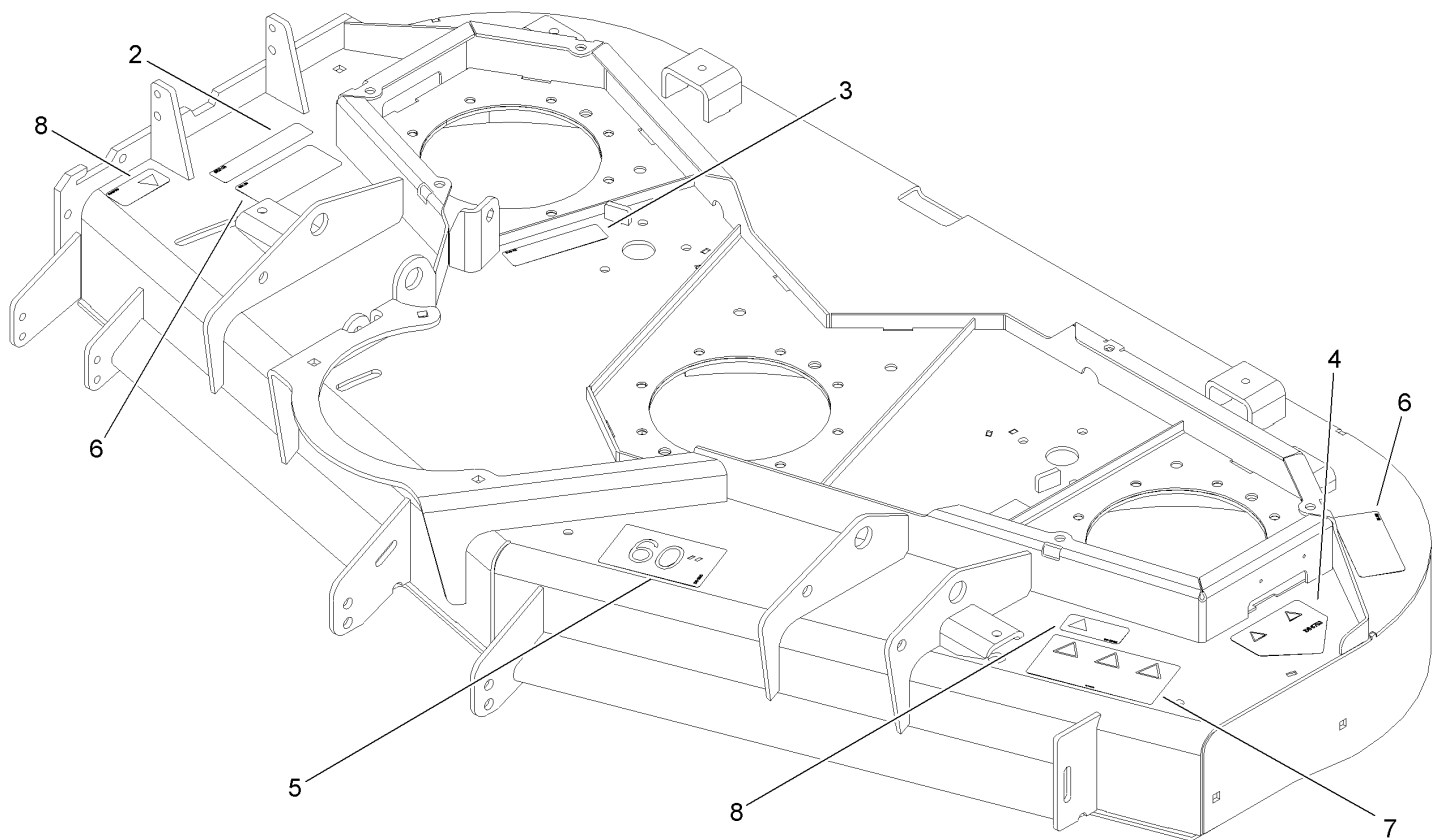
**Roll-Over Protection System and
Rear Wheel Assembly**

Ref	Part No.	Qty.	Description				
1	110-9770	1	Upper ROPS ASM				
1:2	107-3069	1	Decal-Warning, Folding ROPS				
2	325-13	2	Screw-HH				
3	32128-23	2	Nut-HF				
4	103-4553	2	ROPS Fold Pin ASM				
5	110-5696	2	Spring-Leaf				
6	3290-412	4	Rivet				
7	106-7864	2	Tire And Wheel ASM				
7:1	106-7868	1	Tire				
7:2	87-6750	1	Wheel				
7:3	232-27	1	Stem-Valve				



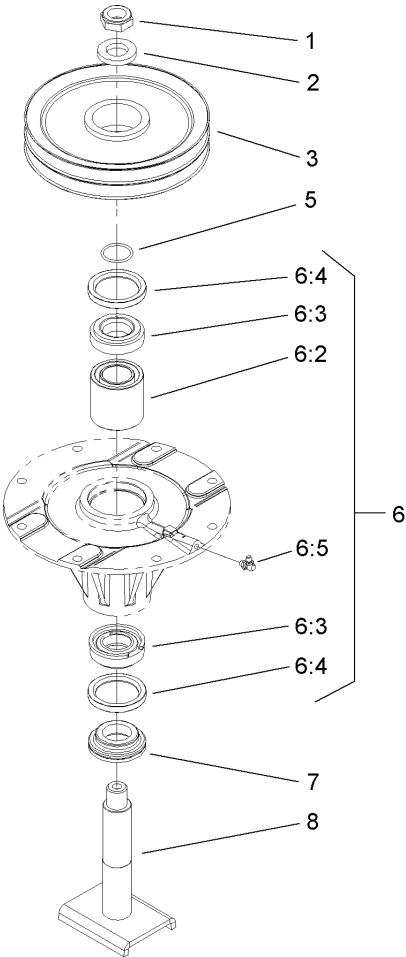
Deck Drive System

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	115-1371	1	Deck ASM	22	322-22	1	Screw-HH
2	110-6381	1	Double Spindle ASM	23	110-6386-03	1	Gearbox
3	110-6382	1	High Spindle ASM	24	115-1388-03	1	Mount-Gearbox, LH
4	108-1957	1	Spindle ASM	25	115-1389-03	1	Mount-Gearbox, RH
5	108-1952	1	Pulley	26	63-9750	3	Mount
6	110-9596	1	Pulley-Idler	27	63-8410	3	Washer
7	115-1387	2	Idler Post ASM	28	104-8301	9	Nut-Flange, NI
8	108-1926	2	Washer	29	3253-21	4	Washer-Lock
9	108-1924	2	Spacer-Idler	30	323-4	4	Screw-HH
10	108-1930	1	Idler Arm ASM	31	3231-26	3	Screw-CARR
10:2	93-4510	2	Bushing-Caster	32	3231-2	6	Screw-CARR
11	114-0103	1	Low Idler Arm ASM	33	93-6697	1	Decal-Lube
11:2	93-4510	2	Bushing-Caster	34	67-6920	1	V-Belt
12	01-268-0160	1	Pulley-Idler	35	105-0887	1	Belt-Drive, PTO
13	23-1640	1	Bushing-Taperlock	36	3257-5	1	Key-Woodruff
13:1	3247-4	2	Screw-Set				
14	108-1921	1	Spring-Torsion				
15	112-7395	1	Spring-Torsion				
16	108-1993	2	Screw-HSBH				
17	3296-45	2	Nut-Lock, NI				
18	32120-84	2	Ring-Snap, External				
19	302-5	2	Fitting-Grease				
20	100-3102	1	Washer-Flat				
21	32128-26	2	Nut-Flange				



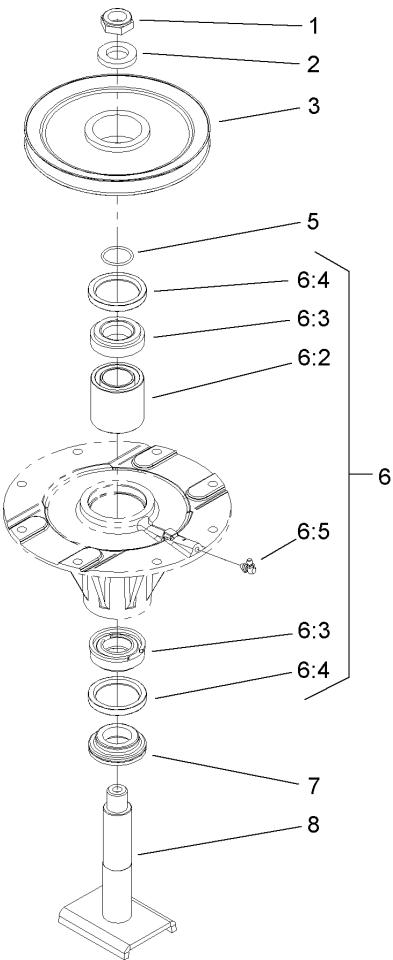
Deck and Decal Assembly No. 115-1371

Ref	Part No.	Qty.	Description				
2	107-2916	1	Decal-Warning				
3	100-6578	2	Decal-Danger				
4	106-6753	1	Decal-Danger, Ce				
5	108-1990	1	Decal				
6	93-7818	2	Decal-Torque, Blade Bolt				
7	107-2908	1	Decal-Danger, Combination				
8	93-6696	2	Decal-Warning				



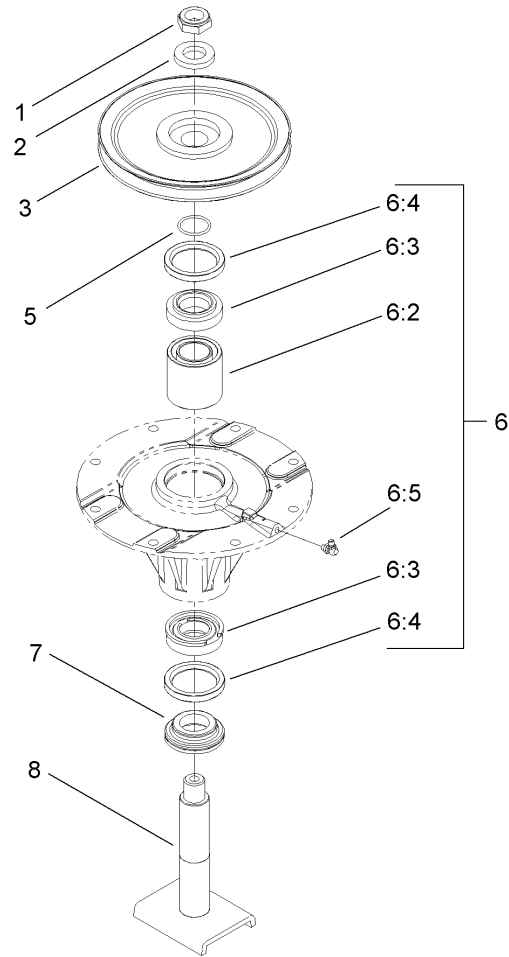
Double Spindle Assembly No. 110-6381

Ref	Part No.	Qty.	Description				
1	3296-60	1	Nut-Lock, NI				
2	104-8322	1	Washer-Hardened				
3	104-3547	1	Pulley-Driven, Double				
5	106-7159	1	O-Ring				
6	108-1991	1	Spindle Housing ASM				
6:2	108-1954	1	Spacer Set-Bearing				
6:3	110-8297	1	Bearing ASM				
6:4	253-154	2	Seal-Oil				
6:5	302-60	1	Fitting-Grease, 90 DEG				
7	69-6950	1	Spacer-Shaft, Spindle				
8	108-1956	1	Shaft ASM				



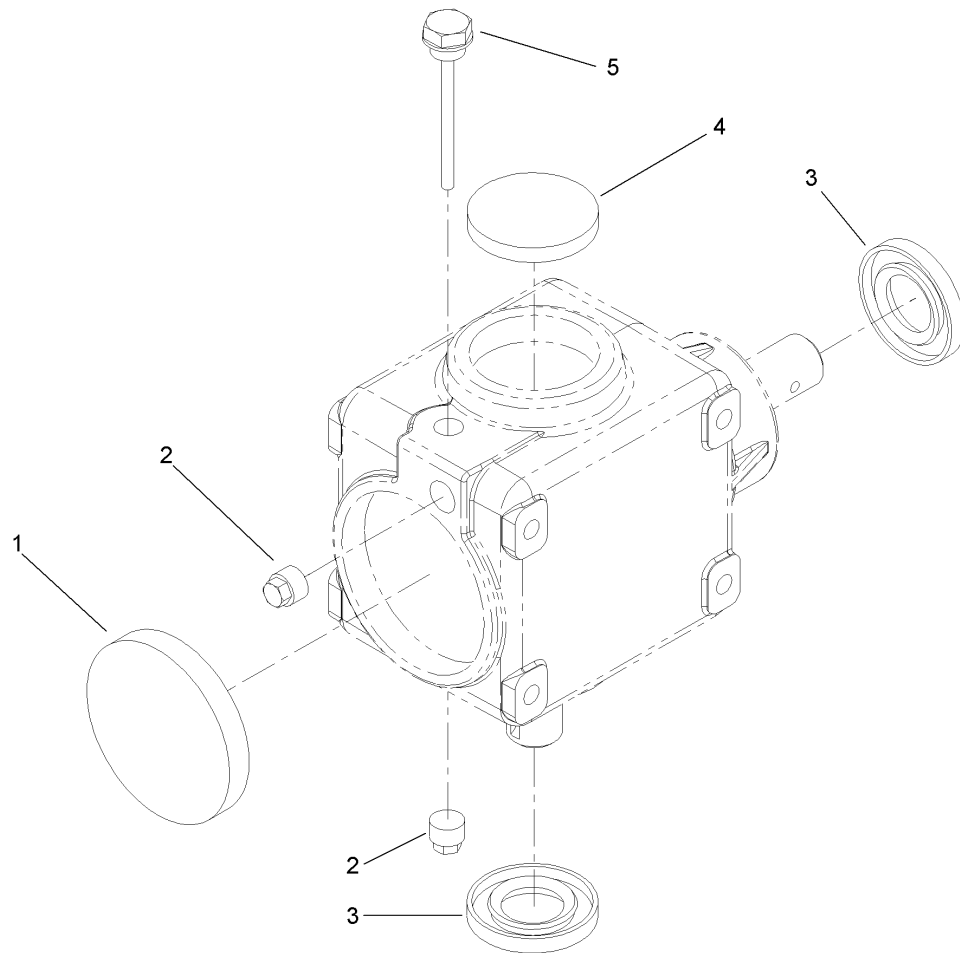
High Spindle Assembly No. 110-6382

Ref	Part No.	Qty.	Description				
1	3296-60	1	Nut-Lock, NI				
2	104-8322	1	Washer-Hardened				
3	104-3548	1	Pulley-Driven, High				
5	106-7159	1	O-Ring				
6	108-1991	1	Spindle Housing ASM				
6:2	108-1954	1	Spacer Set-Bearing				
6:3	110-8297	1	Bearing ASM				
6:4	253-154	2	Seal-Oil				
6:5	302-60	1	Fitting-Grease, 90 DEG				
7	69-6950	1	Spacer-Shaft, Spindle				
8	108-1956	1	Shaft ASM				



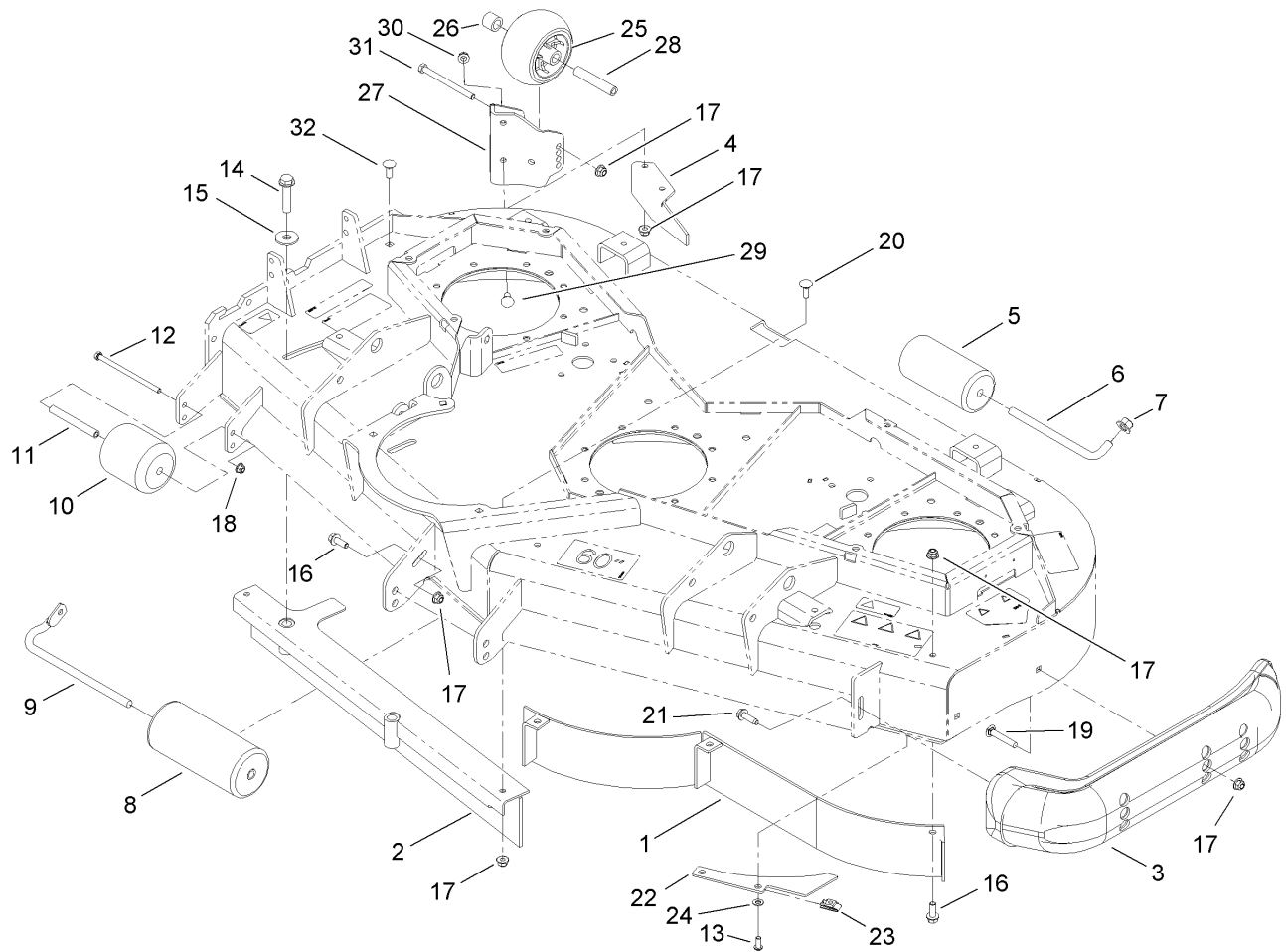
Spindle Assembly No. 108-1957

Ref	Part No.	Qty.	Description				
1	3296-60	1	Nut-Lock, NI				
2	104-8322	1	Washer-Hardened				
3	104-3546	1	Pulley-Driven, Low				
5	106-7159	1	O-Ring				
6	108-1991	1	Spindle Housing ASM				
6:2	108-1954	1	Spacer Set-Bearing				
6:3	110-8297	1	Bearing ASM				
6:4	253-154	2	Seal-Oil				
6:5	302-60	1	Fitting-Grease, 90 DEG				
7	69-6950	1	Spacer-Shaft, Spindle				
8	108-1956	1	Shaft ASM				



Gearbox Assembly No. 110-6386-03

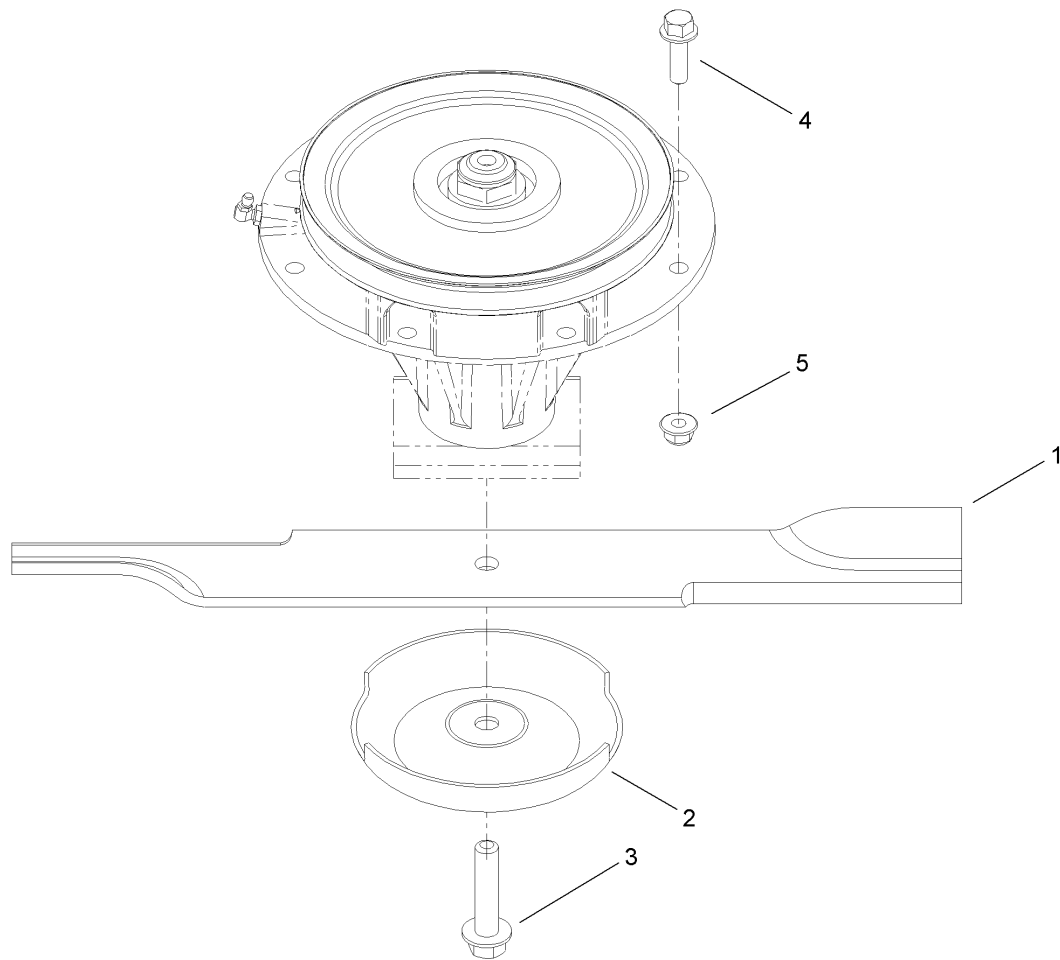
Ref	Part No.	Qty.	Description				
1	107-2932	1	Cap-Oil				
2	107-2933	2	Plug				
3	107-2934	2	Seal-Oil				
4	107-2935	1	Cap-Oil				
5	110-8283	1	Plug-Filler, Dipstick				



Deck Baffle and Roller Assembly

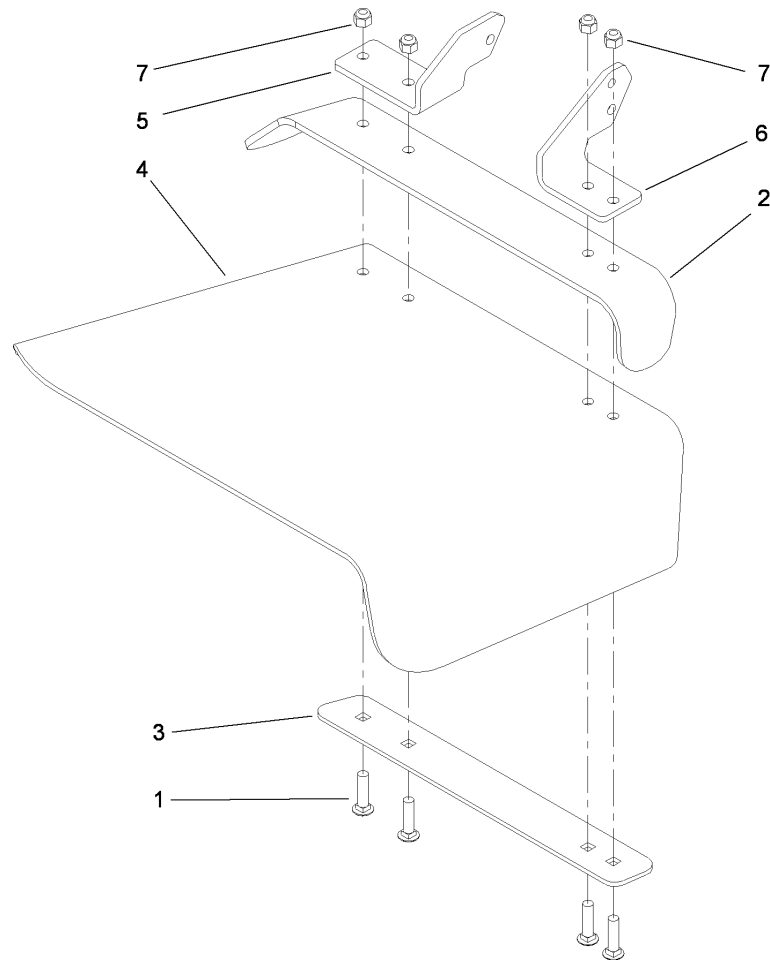
Ref	Part No.	Qty.	Description
1	105-7657-01	1	Baffle ASM
2	105-7669-01	1	Baffle ASM
3	112-1479	1	Skid-Bumper, Deck
4	106-3216-01	1	Baffle-Discharge
5	36-1740	2	Roller-Deck
6	110-9683	2	Shaft-Rear Roller
7	99-5107	2	Nut-Lock
8	68-6710	1	Roller
9	68-6840	1	Shaft-Roller
10	93-4803	1	Roller-Deck
11	105-4549	1	Spacer-Roller
12	322-49	1	Bolt-HH
13	3274-104	2	Screw-HSBH
14	3234-46	2	Screw-HHF
15	105-7697	2	Washer-Plastic
16	3234-42	4	Screw-HHF
17	104-8301	10	Nut-Flange, NI
18	104-8300	1	Nut-Flange, NI
19	3231-33	2	Screw-CARR
20	3231-2	1	Screw-CARR
21	9136144	1	Screw-HWHTF
22	115-1421	1	Plate-Turbo
23	112-3306	2	Nut
24	3256-23	2	Washer-Flat

Ref	Part No.	Qty.	Description
25	1-603299	1	Roller-Scalp, Anti
26	98-7913	1	Tube-Spacer
27	106-7355-01	1	Plate-Roller, RH
28	98-7912	1	Tube-Spanner
29	3231-1	3	Screw-CARR
30	3290-357	3	Nut-HHF, Whiz
31	323-23	1	Screw-HH
32	3231-2	2	Screw-CARR



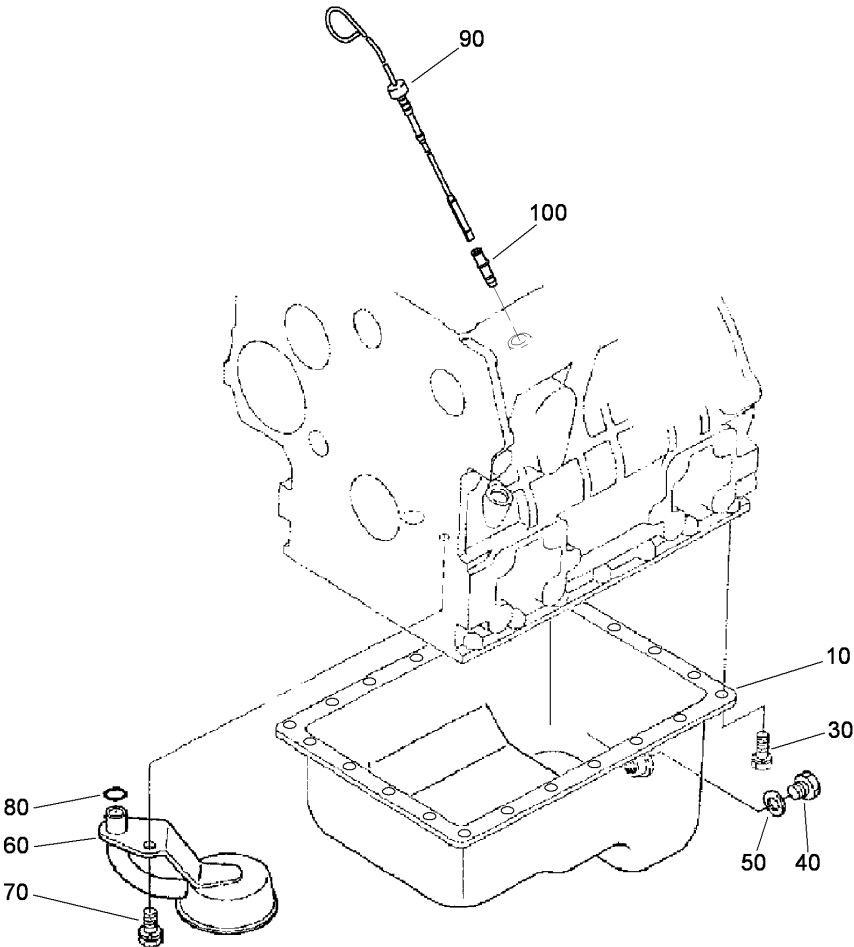
Spindle and Blade Assembly

Ref	Part No.	Qty.	Description				
1	110-4701	3	Blade-Rotary, 20.5 Med Flow				
③1	110-4703-03	3	Blade-Rotary, 20.5 Atomic				
③1	110-4702-03	3	Blade-Rotary, 20.5 High Flow				
2	72-9361	3	Cup-Scalp, Anti				
3	92-5816	3	Bolt-Blade				
4	3234-24	24	Screw-HHF				
5	104-8301	24	Nut-Flange, NI				



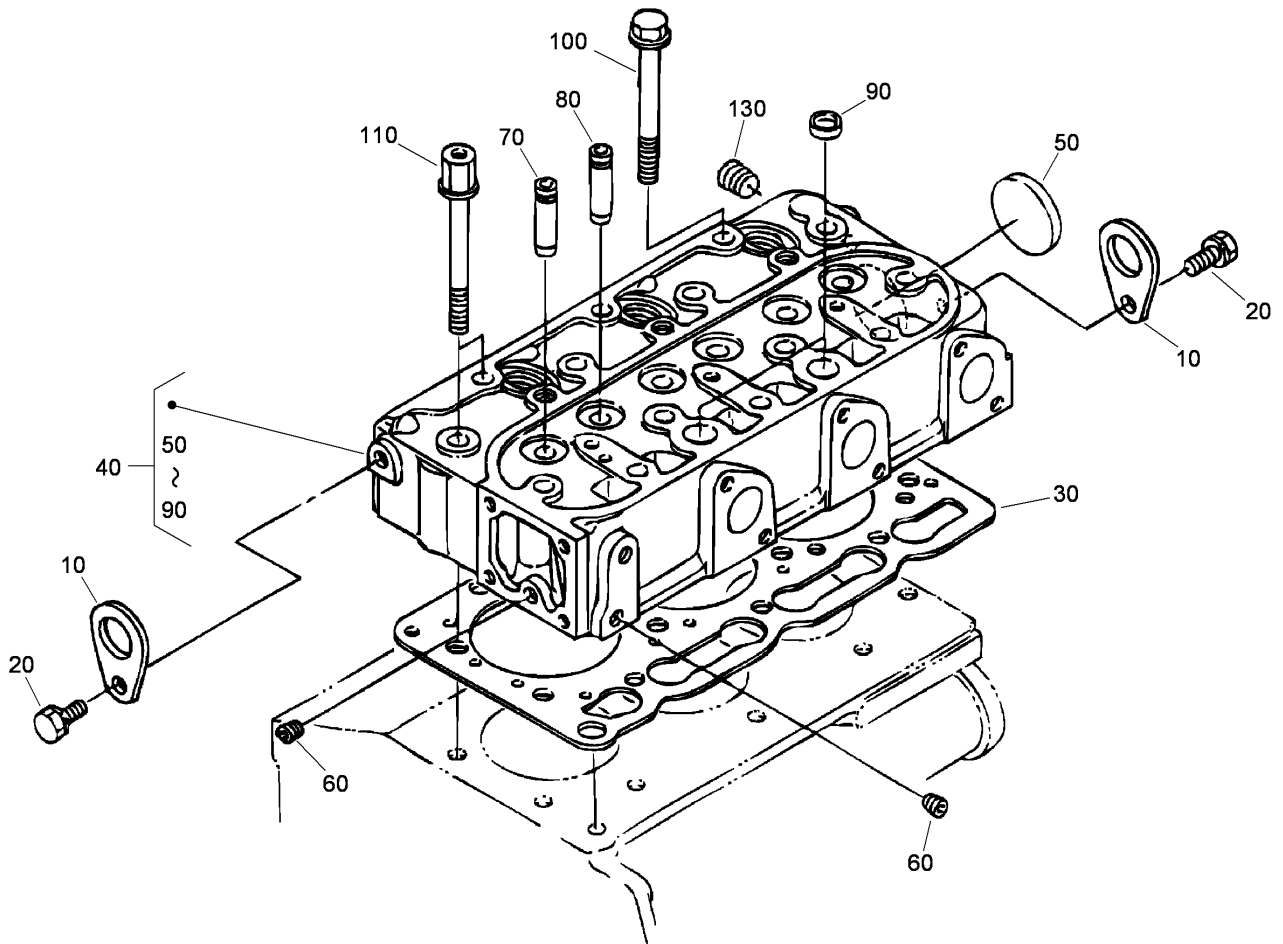
Rubber Deflector Assembly No. 108-2792

Ref	Part No.	Qty.	Description				
1	3231-4	4	Screw-CARR				
2	106-3246-01	1	Deflector				
3	106-3248-03	1	Strap-Discharge				
4	108-5029	1	Deflector-Rubber				
5	108-4059-01	1	Plate-Hinge, Rear				
6	106-3253-01	1	Plate-Hinge, Front				
7	3296-39	4	Nut-Lock, NI				



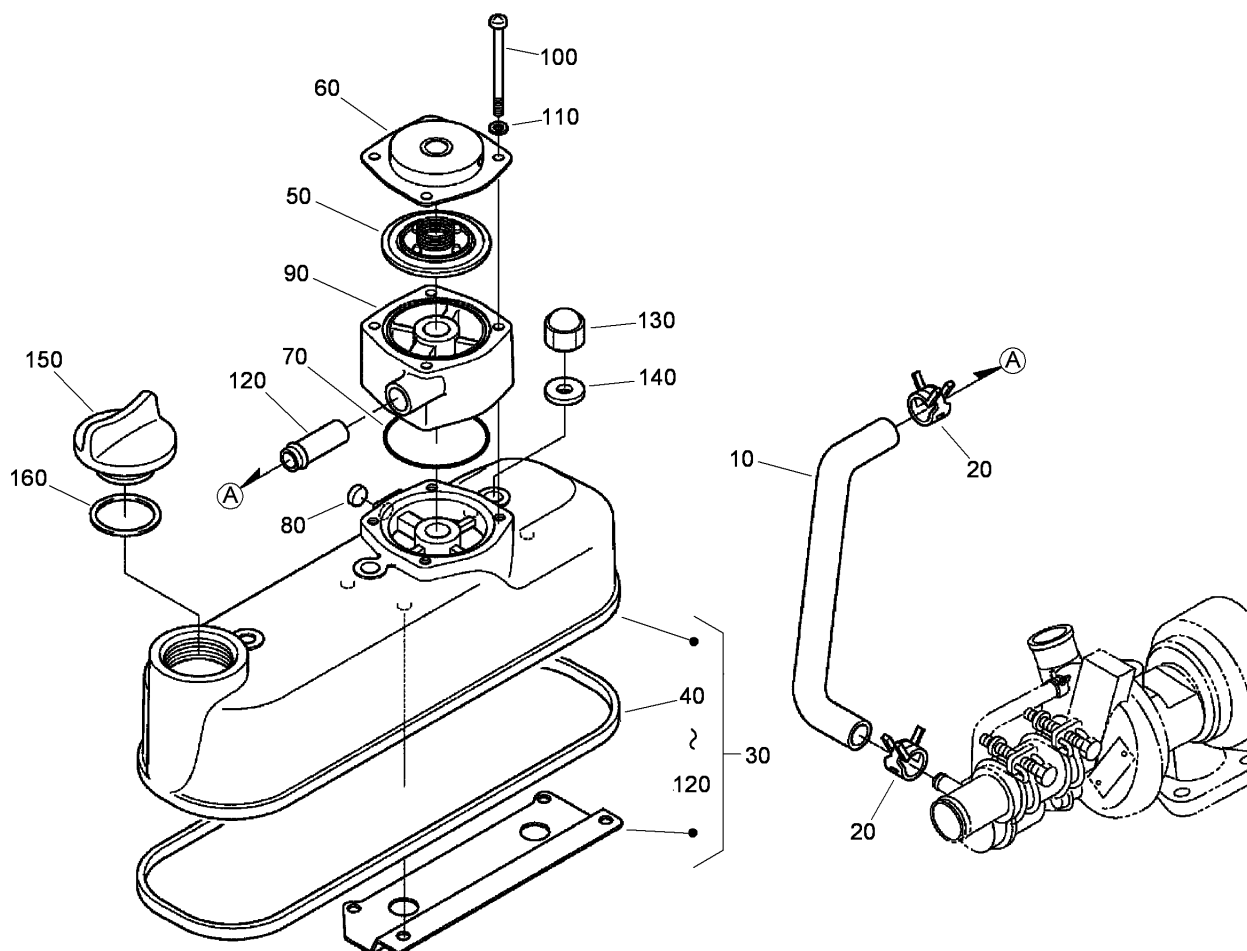
Oil Pan Assembly

Ref	Part No.	Qty.	Description				
10	112-0179	1	Pan-Oil				
30	98-9351	22	Bolt				
40	114-8151	1	Plug-Drain				
50	98-7524	1	Gasket				
60	112-7044	1	Head-Filter				
70	98-7526	1	Bolt				
80	105-3776	1	O-Ring				
90	107-9076	1	Gauge-Oil				
100	105-4580	1	Guide				



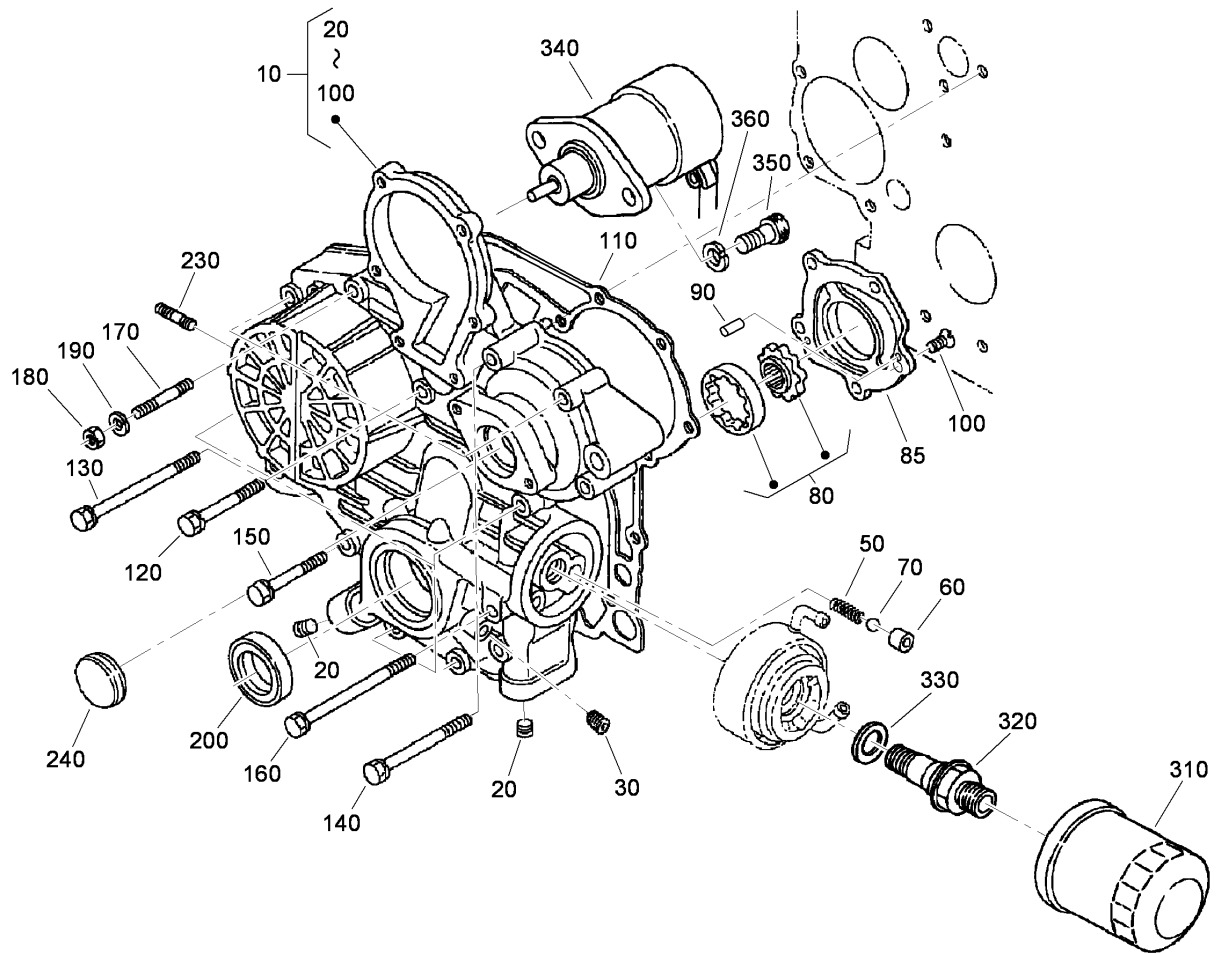
Cylinder Head Assembly

Ref	Part No.	Qty.	Description				
10	98-7531	2	Hook-Engine				
20	100-9195	2	Bolt				
30	108-6573	1	Gasket-Head, Cylinder				
40	107-7823	1	Cylinder Head ASM				
50	105-3705	1	Cap-Sealing				
60	98-7540	2	Plug				
70	107-9066	3	Guide-Valve, Inlet				
80	107-9067	3	Guide-Valve, Exhaust				
90	98-9389	2	Cap-Sealing				
100	98-9479	12	Bolt-Head, Cylinder				
110	98-9647	2	Bolt-Head, Cylinder				
130	98-9444	1	Plug				



Head Cover Assembly

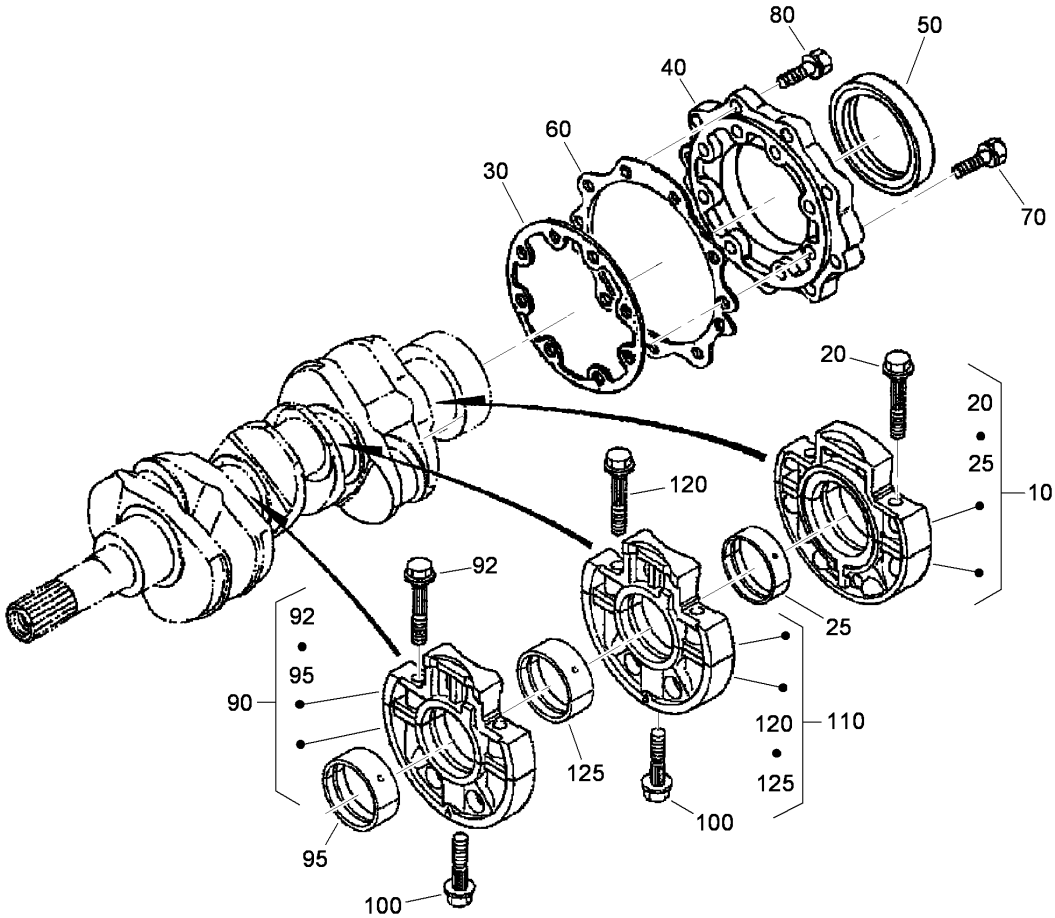
Ref	Part No.	Qty.	Description
10	115-3040	1	Tube-Breather
20	108-2859	2	Clamp-Hose
30	115-3041	1	Cylinder Head Cover ASM
40	98-9615	1	Gasket-Cover, Head
50	108-2861	1	*obs* Breather Valve ASM
60	110-3714	1	Cover-Breather
70	110-3846	1	O Ring-Breather
80	115-3042	1	Cap-Sealing
90	115-3043	1	Spacer-Breather
100	115-3044	4	Screw-Pan Head
110	100-2204	4	Washer-Spring
120	98-7766	1	Pipe-Return, Water
130	98-9455	3	Nut-Cap
140	98-9454	3	Gasket
150	107-9075	1	Plug-Filler, Oil
160	99-3446	1	O-Ring



Gear Case Assembly

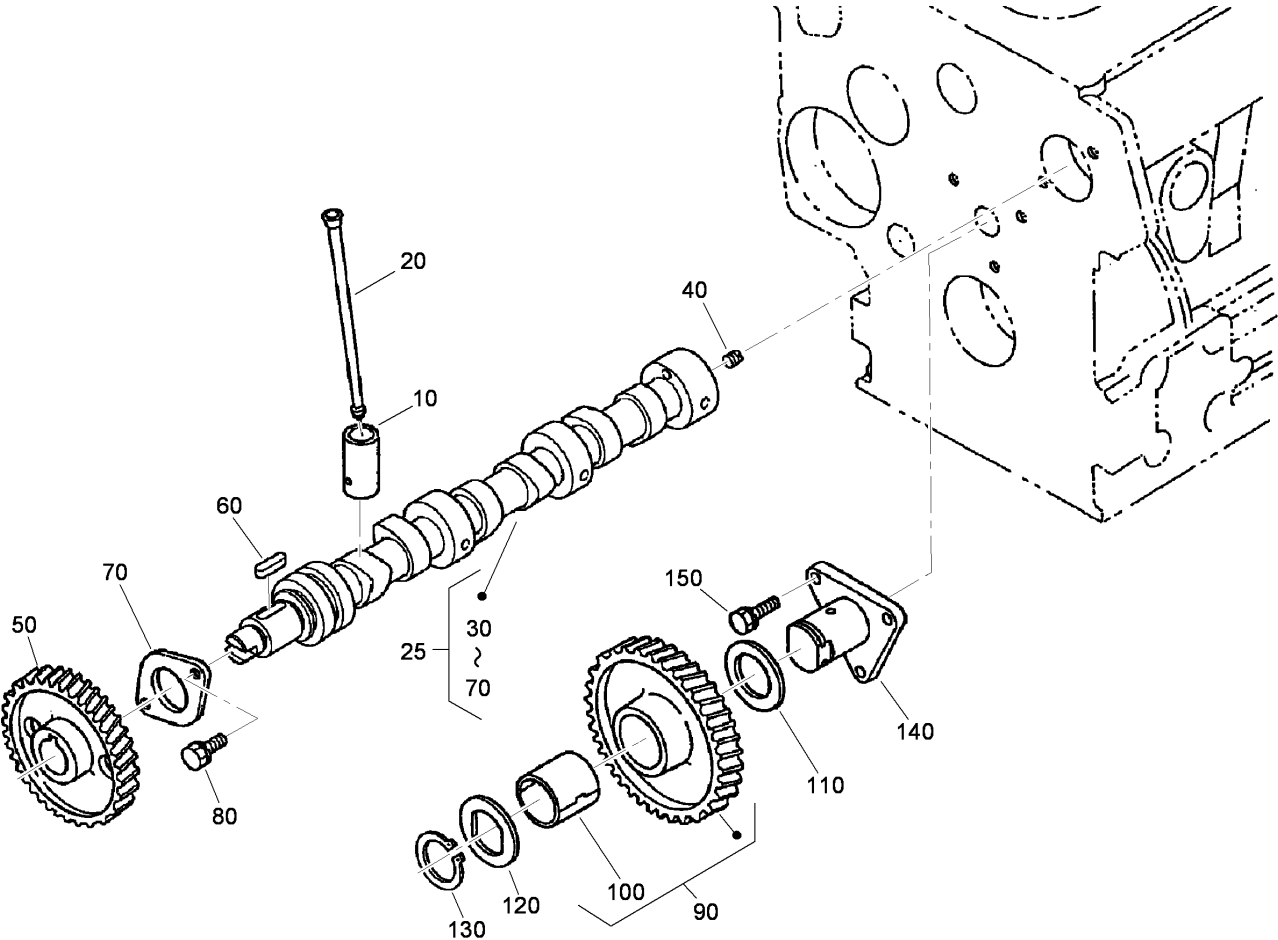
Ref	Part No.	Qty.	Description
10	115-4111	1	Gear Case ASM
20	98-9598	2	Plug
30	98-7487	1	Plug
50	98-9544	1	Spring
60	98-9543	1	Seat-Valve
70	98-9380	1	Ball
80	98-9540	1	Oil Pump Rotor ASM
85	107-9069	1	Cover-Pump, Oil
90	107-9072	2	Pin-Straight
100	107-9071	5	Screw
110	98-9633	1	Gasket-Case, Gear
120	98-7496	3	Bolt
130	105-3797	4	Bolt
140	98-9356	4	Bolt
150	107-9074	1	Bolt
160	98-9586	2	Bolt
170	105-3709	1	Stud
180	98-7572	1	Nut
190	98-7699	1	Washer-Spring
200	98-9482	1	Seal-Oil
230	105-3710	2	Stud
240	98-9641	1	Cover-Case, Gear
310	108-3841	1	Filter-Oil
320	104-5159	1	Holder ASM

Ref	Part No.	Qty.	Description
330	98-9727	1	Collar
340	104-5155	1	Solenoid-Stop
350	115-3039	2	Bolt-HSH
360	98-7699	2	Washer-Spring



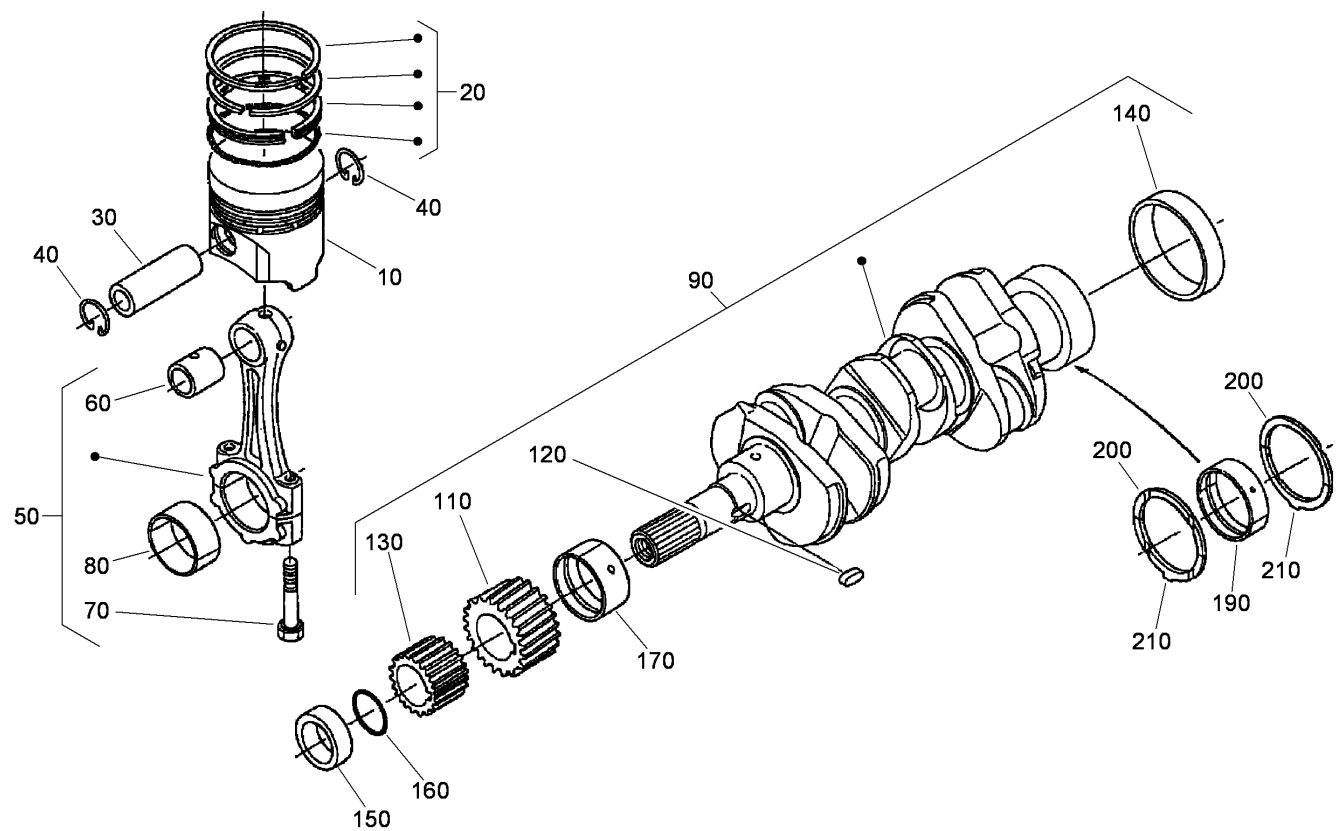
Main Bearing Case Assembly

Ref	Part No.	Qty.	Description				
10	112-7026	1	Wheel Bearing Case ASM				
20	98-9484	2	Bolt-Case, Bearing				
25	112-7045	1	Metal-Crankshaft				
25	112-7039	1	Metal-Crankshaft				
25	112-7040	1	Metal-Crankshaft				
30	98-9634	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	98-9352	8	Bolt				
80	98-7568	9	Bolt				
90	112-7028	1	Bearing ASM				
92	98-9484	2	Bolt-Case, Bearing				
95	112-7011	1	Bearing-Main (STD)				
95	112-7012	1	Metal-Crankpin (-0.2Mm)				
95	112-7013	1	Metal-Crankpin (-0.4Mm)				
100	98-9485	2	Bolt-Case, Bearing				
110	112-7027	1	Bearing ASM				
120	98-9484	2	Bolt-Case, Bearing				
125	112-7011	1	Bearing-Main (STD)				
125	112-7012	1	Metal-Crankpin (-0.2Mm)				
125	112-7013	1	Metal-Crankpin (-0.4Mm)				



Camshaft and Idle Gear Shaft Assembly

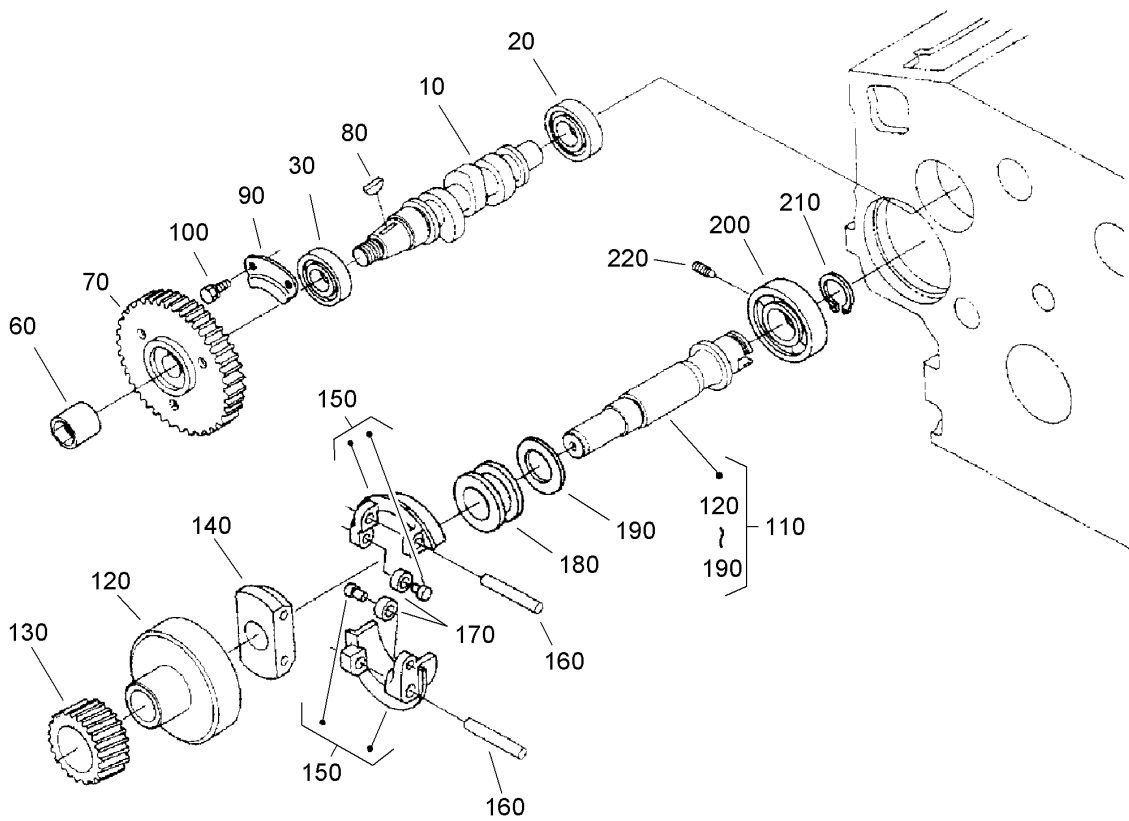
Ref	Part No.	Qty.	Description				
10	112-0185	6	Tappet				
20	98-9509	6	Rod-Push				
25	112-7029	1	Camshaft ASM				
30	108-1403	1	Camshaft				
40	98-7449	1	Screw-Set				
50	98-9512	1	Gear-Cam				
60	98-9378	1	Key-Feather				
70	98-9510	1	Stopper-Camshaft				
80	98-7692	2	Bolt				
90	98-9649	1	Idle Gear ASM				
100	98-9650	1	Bushing-Gear, Idle				
110	98-9535	1	Collar-Gear, Idle				
120	98-9536	1	Collar-Gear, Idle				
130	98-9534	1	Circlip-Gear, Idle				
140	98-9533	1	Shaft-Gear, Idle				
150	98-7692	3	Bolt				



Piston and Crankshaft Assembly

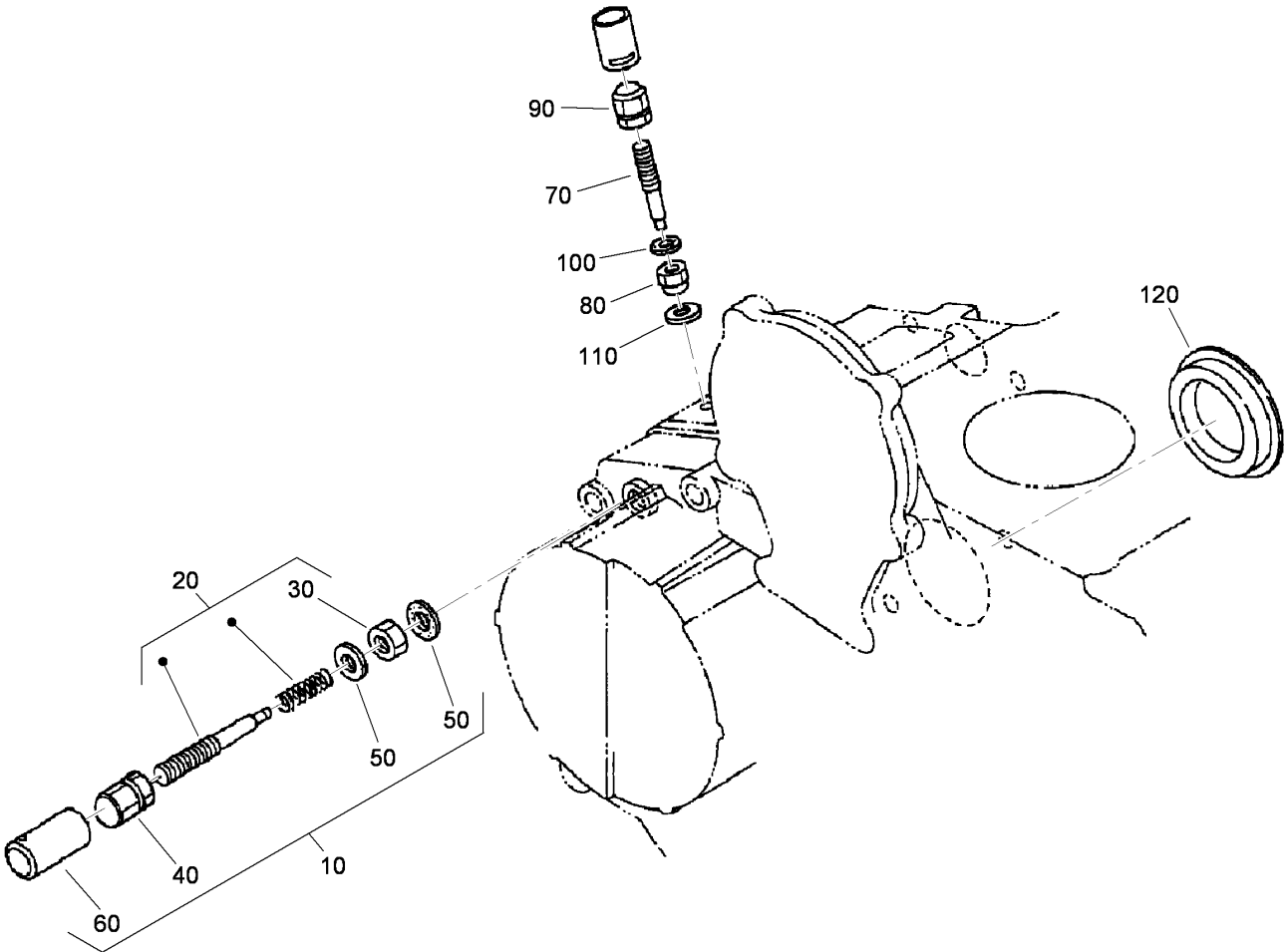
Ref	Part No.	Qty.	Description
10	98-9550	3	Piston (STD)
10	108-1417	3	Piston (0.5Mm)
20	98-9551	3	Piston Ring ASM (STD)
20	108-1404	3	Piston Ring ASM (0.5Mm)
30	98-9513	3	Pin-Piston
40	98-9514	6	Circlip-Pin, Piston
50	98-9552	3	Connecting Rod ASM
60	115-3014	3	Bushing-Pin, Piston
70	98-9517	6	Bolt-Rod, Connecting
80	98-9553	3	Bearing-Rod (STD)
80	108-1405	3	Metal-Crankpin (-0.2Mm)
80	108-1406	3	Metal-Crankpin (-0.4Mm)
90	98-9642	1	Crankshaft ASM
100	110-3729	3	Ball
110	98-9532	1	Gear-Crankshaft
120	98-9666	1	Key
130	98-9542	1	Gear-Drive, Oil Pump
140	98-9522	1	Sleeve-Crankshaft
150	98-9521	1	Collar-Crankshaft
160	105-3783	1	O-Ring
170	112-7005	1	Bearing-Main (STD)
170	112-7009	1	Metal-Crankpin (-0.2Mm)
170	112-7010	1	Metal-Crankpin (-0.4Mm)
180	112-7011	2	Bearing-Main (STD)

Ref	Part No.	Qty.	Description
180	112-7012	2	Metal-Crankpin (-0.2Mm)
180	112-7013	2	Metal-Crankpin (-0.4Mm)
190	112-7045	1	Metal-Crankshaft
190	112-7039	1	Metal-Crankshaft
190	112-7040	1	Metal-Crankshaft
200	98-9413	2	Bearing-Thrust (STD)
200	98-9414	2	Bearing-Thrust (0.2Mm)
200	98-9415	2	Bearing-Thrust (0.4Mm)
210	98-9688	2	Bearing-Thrust (STD)
210	98-9689	2	Bearing-Thrust (0.2Mm)
210	98-9690	2	Bearing-Thrust (0.4Mm)



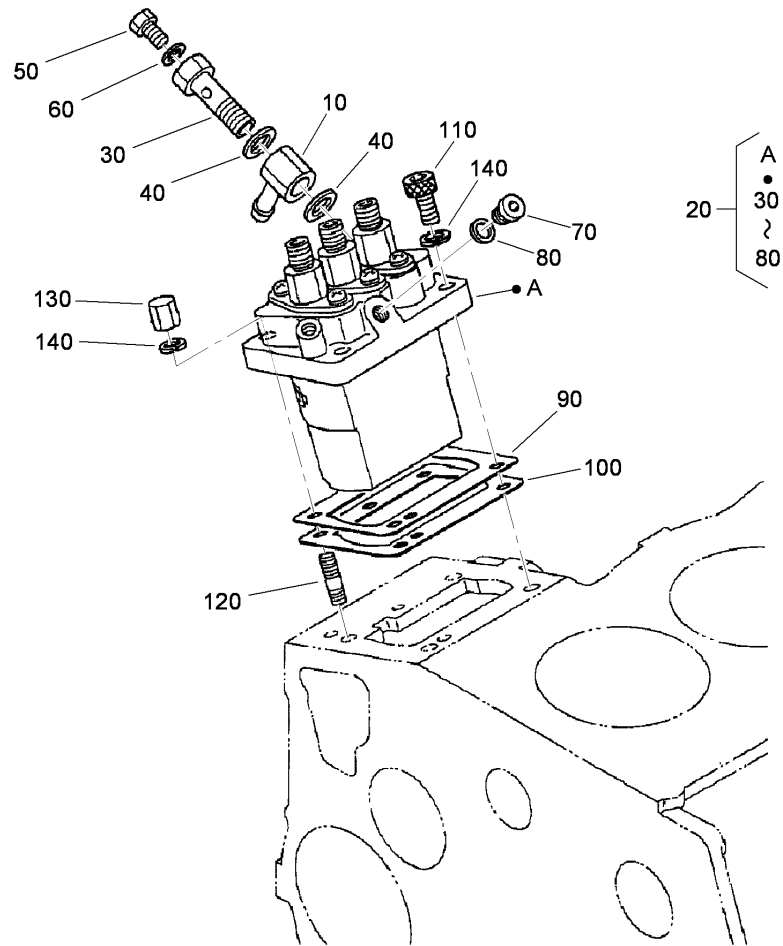
Fuel Camshaft and Governor Shaft Assembly

Ref	Part No.	Qty.	Description				
10	98-9459	1	Camshaft-Fuel				
20	107-9077	1	Bearing-Ball				
30	107-9078	1	Bearing-Ball				
60	98-9590	1	Nut-Cap				
70	98-9669	1	Gear-Pump, Injection				
80	98-9595	1	Key-Woodruff				
90	98-9511	1	Stopper-Fuel, Camshaft				
100	98-7692	2	Bolt				
110	98-9644	1	Governor Shaft ASM				
120	98-9562	1	Holder-Gear, Governor				
130	98-9673	1	Gear-Governor				
140	98-9561	1	Holder-Weight, Governor				
150	98-9559	2	Governor Weight ASM				
160	98-9560	2	Shaft-Weight, Governor				
170	98-9692	2	Roller				
180	98-9563	1	Sleeve-Governor				
190	98-9564	1	Washer-Thrust				
200	107-9079	1	Bearing-Ball				
210	98-9657	1	Circlip-Shaft, Governor				
220	98-9565	1	Screw-Set				



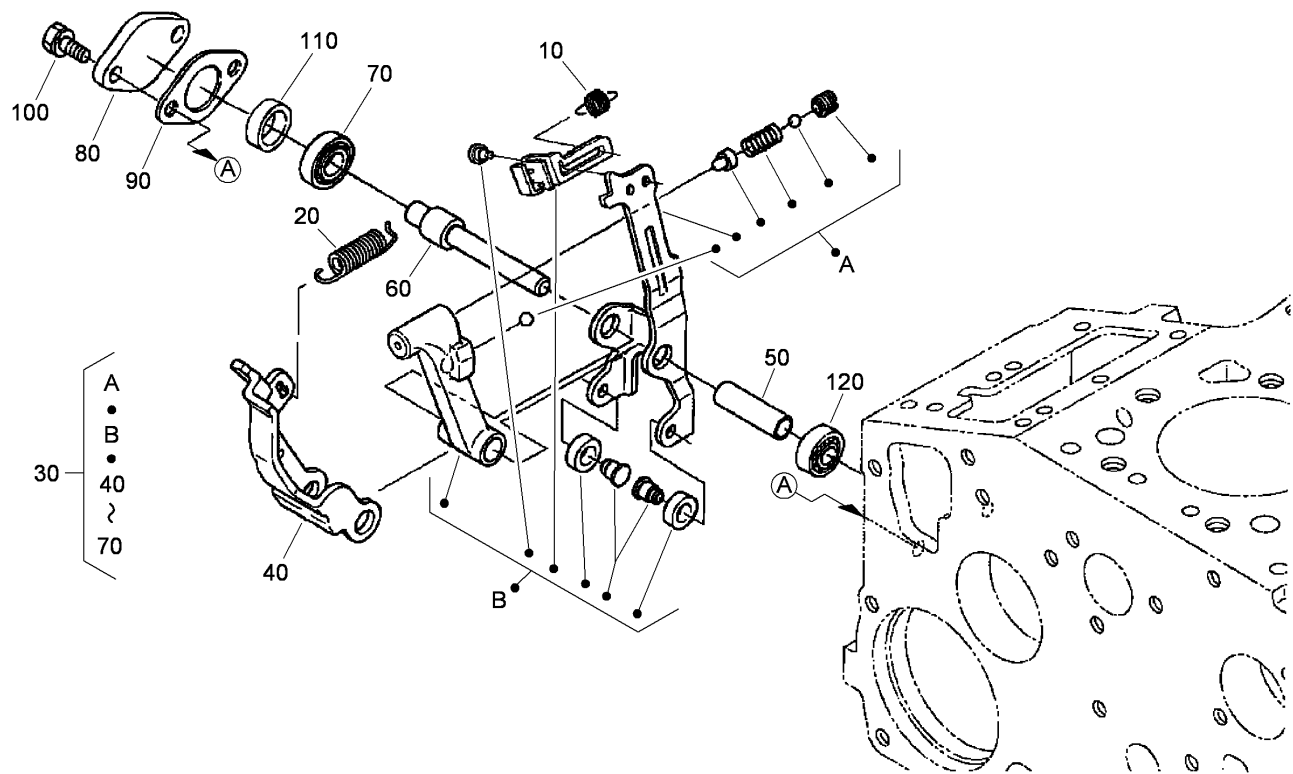
Idle Apparatus Assembly

Ref	Part No.	Qty.	Description				
10	98-9678	1	Idle Apparatus ASM				
20	112-7014	1	Adjusting Bolt ASM				
30	99-8387	1	Nut-Cap				
40	112-0181	1	Nut				
50	98-7654	2	Gasket				
60	98-7656	1	Cap				
70	112-7015	1	Bolt-Adjusting				
80	100-2175	1	Nut-Lock				
90	112-0181	1	Nut				
100	98-7654	1	Gasket				
110	107-9081	1	Gasket				
120	112-7016	1	Cover-Pump				



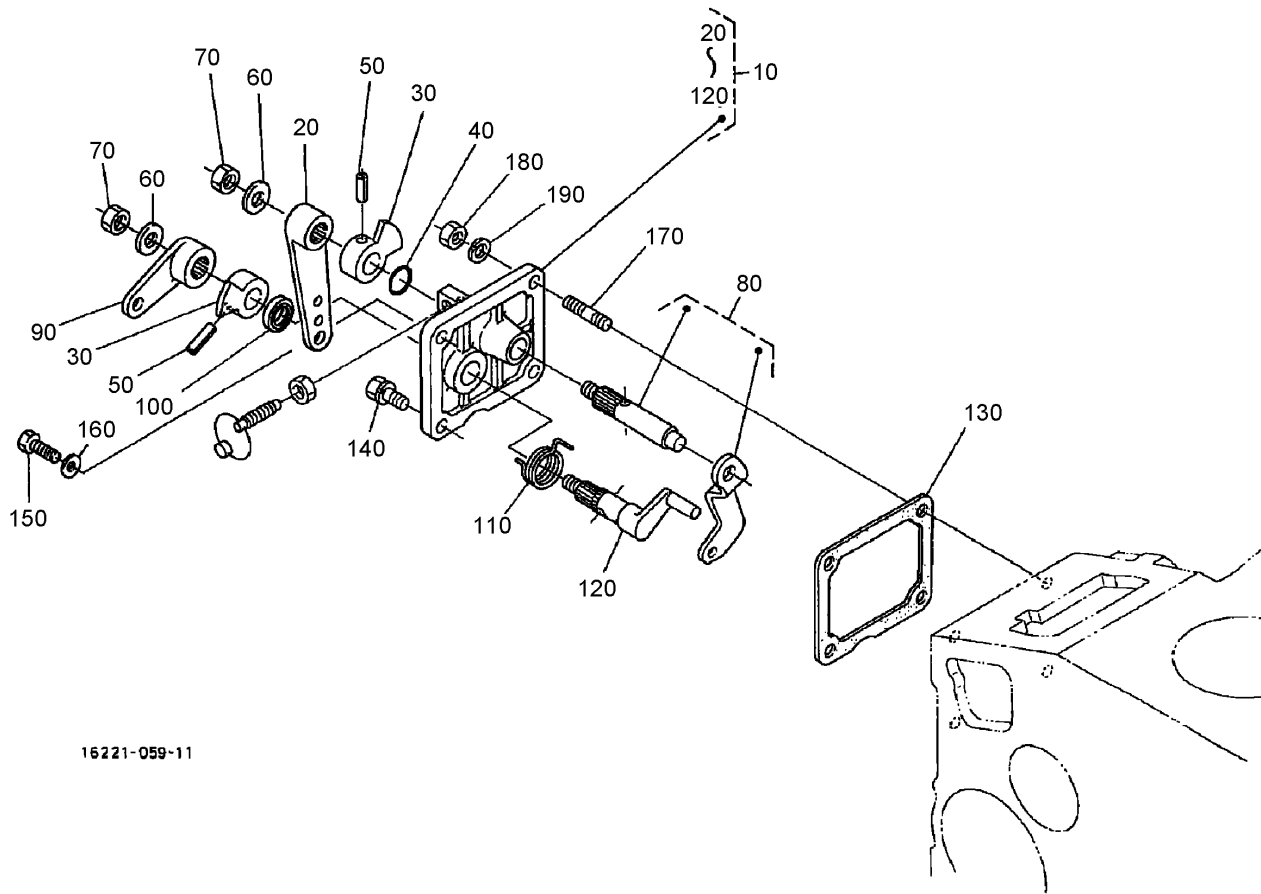
Injection Pump Assembly

Ref	Part No.	Qty.	Description				
10	98-9596	1	Joint-Eye				
20	98-9643	1	Injection Pump ASM				
30	98-9464	1	Bolt-Joint				
40	98-9445	2	Gasket				
50	98-9430	1	Screw				
60	98-9446	1	Gasket				
70	98-9466	1	Plug				
80	98-9451	1	Gasket				
90	98-9456	1	Shim-Injection (0.20Mm)				
90	98-9457	1	Shim-Injection (0.25Mm)				
90	115-3045	1	Shim-Injection (0.175Mm)				
100	98-9458	1	Shim-Injection (0.30Mm)				
100	115-3046	1	Shim-Injection (0.35Mm)				
110	98-9361	2	Bolt-HSH				
120	98-9438	2	Stud				
130	98-9440	2	Nut-Cap				
140	98-7699	4	Washer-Spring				



Governor Assembly

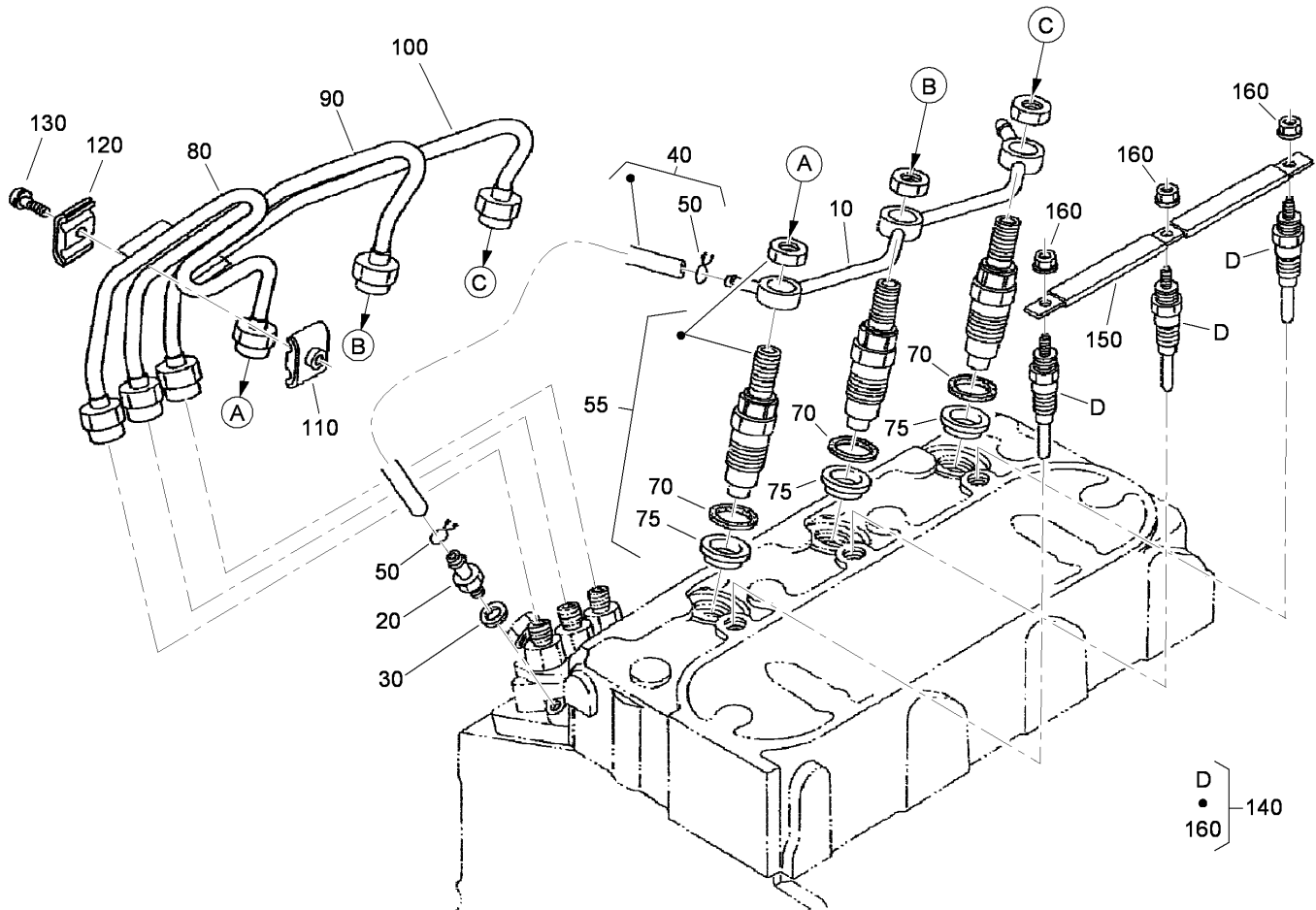
Ref	Part No.	Qty.	Description				
10	105-3786	1	Spring-Start				
20	98-9681	1	Spring-Governor				
30	107-9082	1	Fork Lever ASM				
40	107-9084	1	Lever-Fork				
50	107-9085	1	Shaft-Lever, Fork				
60	107-9086	1	Shaft-Lever, Fork				
70	98-9570	1	Bearing-Miniaturize				
80	98-9569	1	Cover-Shaft, Fork Lever				
90	98-9682	1	Gasket				
100	98-9350	2	Bolt				
110	98-9567	1	Collar				
120	98-9571	1	Bearing-Miniaturize				



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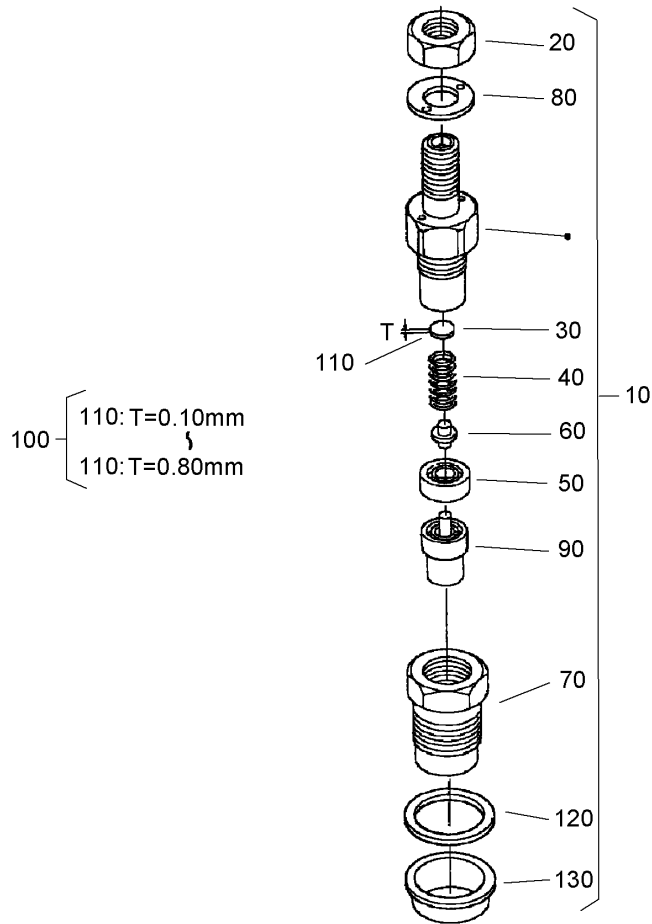
Speed Control Plate Assembly

Ref	Part No.	Qty.	Description				
10	105-3735	1	Control Plate ASM				
20	98-9662	1	Lever-Control, Speed				
30	98-9572	2	Lever-Control, Speed				
40	105-3788	1	O-Ring				
50	98-7602	2	Pin-Spring				
60	98-9594	2	Washer-Plain				
70	98-9589	2	Nut				
80	98-9658	1	Governor Lever ASM				
90	98-9663	1	Lever-Stop, Engine				
100	98-7601	1	Seal-Oil				
110	98-9472	1	Spring-Return				
120	98-9664	1	Shaft-Lever, Stop				
130	98-9637	1	Gasket				
140	98-7692	1	Bolt				
150	99-8348	1	Bolt				
160	98-7654	1	Gasket				
170	105-3710	2	Stud				
180	98-7572	2	Nut				
190	98-7699	2	Washer-Spring				



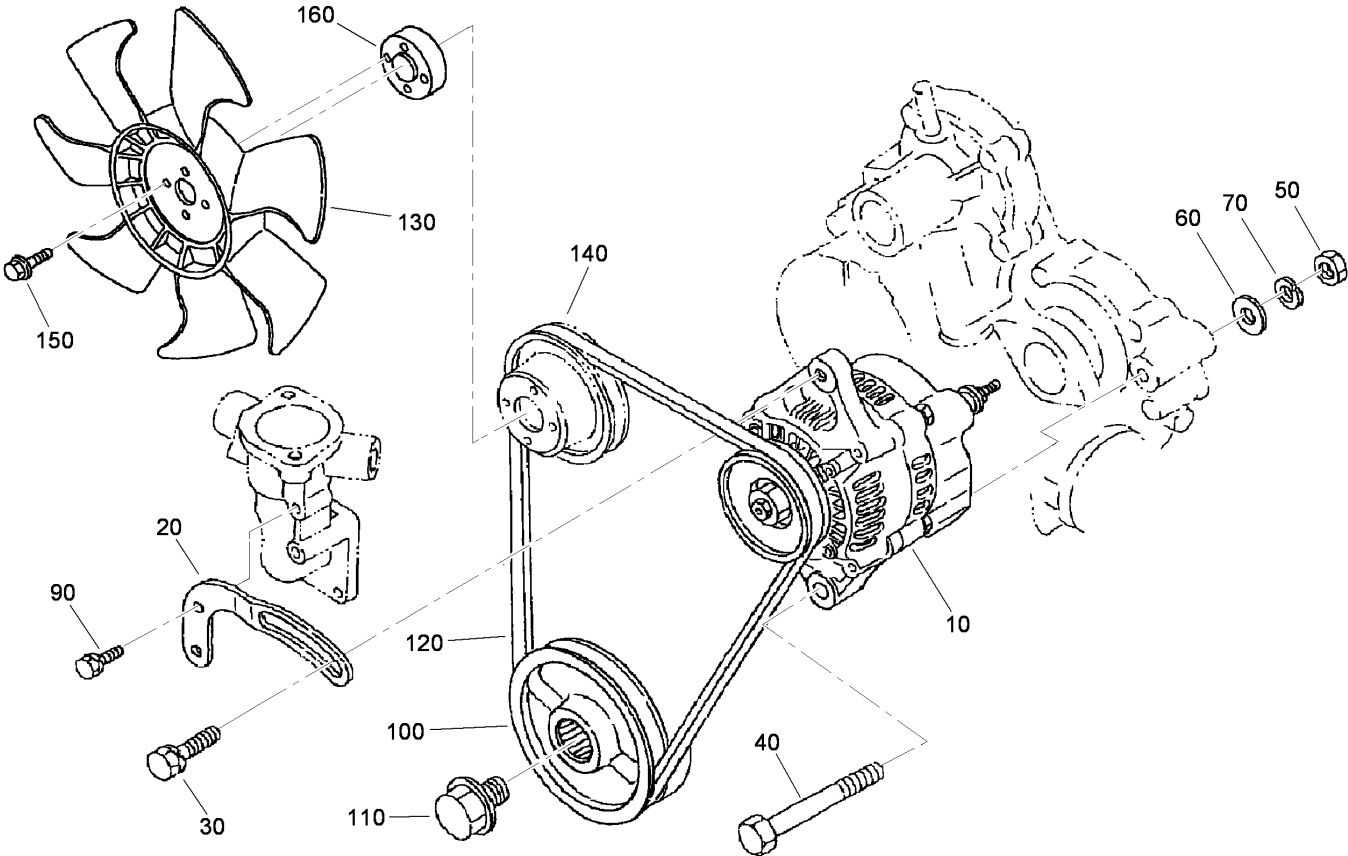
Nozzle Holder and Glow Plug Assembly

Ref	Part No.	Qty.	Description				
10	98-9621	1	Overflow Pipe ASM				
20	98-9431	1	Screw-Bleeder, Air				
30	98-7654	1	Gasket				
40	98-9624	1	Overflow Pipe ASM				
50	98-7671	2	Clip-Pipe				
55	108-2866	3	Nozzle Holder Kit				
70	98-7676	3	Gasket				
75	98-7677	3	Seal-Heat				
80	98-9622	1	Pipe-Injection				
90	98-9654	1	Pipe-Injection				
100	98-9655	1	Pipe-Injection				
110	98-7682	2	Clamp-Pipe				
120	98-7683	2	Clamp-Pipe				
130	98-7684	2	Screw (W/Washer)				
140	98-9623	3	Plug-Glow				
150	98-9631	1	Cord-Plug, Glow				
160	99-8377	3	Nut-Flange				



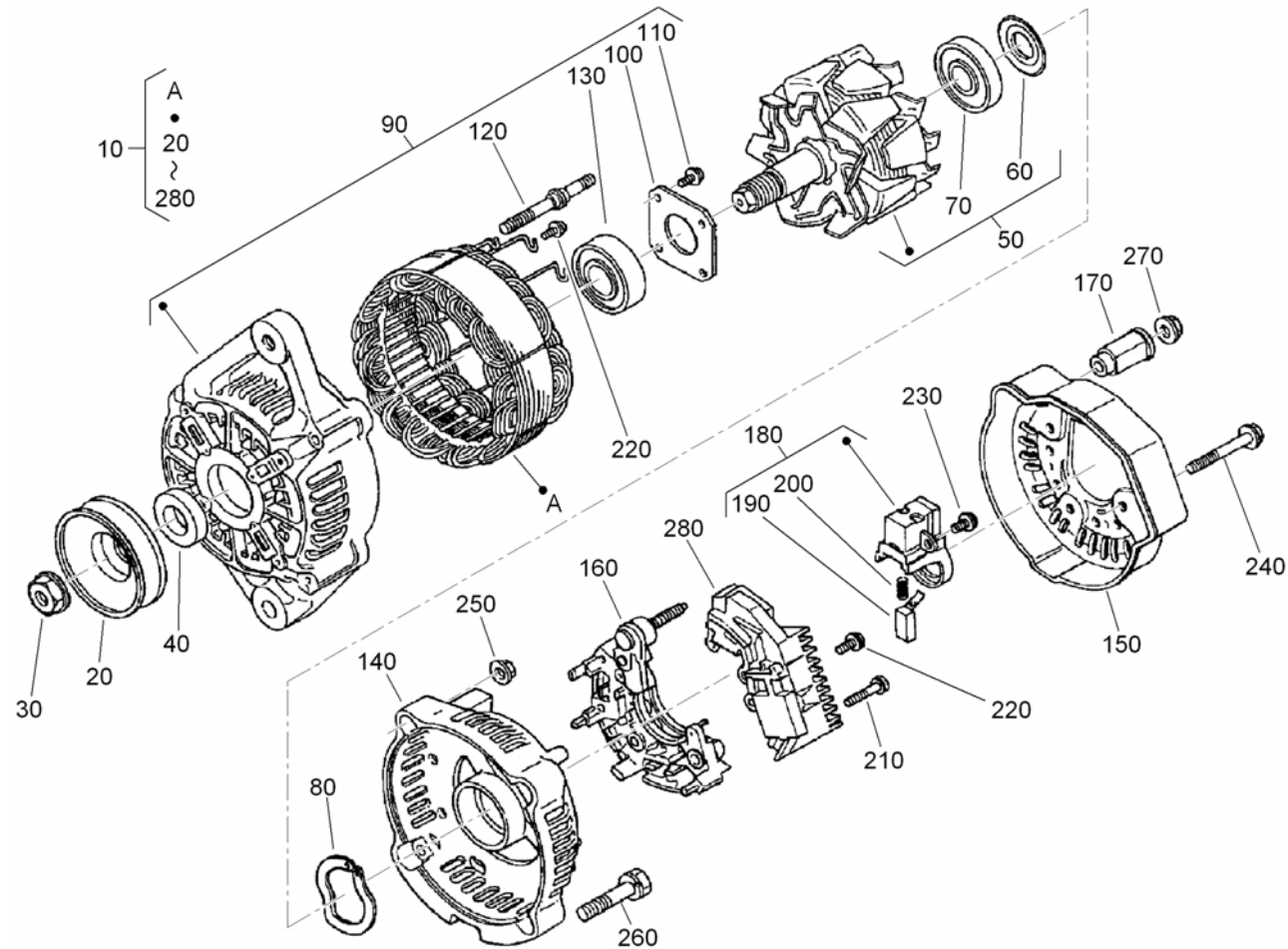
Nozzle Holder Assembly

Ref	Part No.	Qty.	Description				
10	108-2866	3	Nozzle Holder Kit				
20	99-8301	3	Nut				
30	99-8302	3	Washer-Adjusting				
40	99-8303	3	Spring-Nozzle				
50	99-8304	3	Spacer-Distance				
60	99-8305	3	Rod-Push				
70	99-8306	3	Nut-Nozzle				
80	99-8307	3	Washer-Plain				
90	107-7826	3	Piece-Nozzle				
100	99-8309	3	Adjusting Washer ASM				
110	99-8310	3	Washer-Adjust (0.10Mm)				
110	99-8311	3	Washer-Adjust (0.20Mm)				
110	99-8312	3	Washer-Adjust (0.30Mm)				
110	99-8313	3	Washer-Adjust (0.40Mm)				
110	99-8314	3	Washer-Adjust (0.50Mm)				
110	99-8315	3	Washer-Adjust (0.52Mm)				
110	99-8316	3	Washer-Adjust (0.54Mm)				
110	99-8317	3	Washer-Adjust (0.56Mm)				
110	99-8318	3	Washer-Adjust (0.58Mm)				
110	99-8319	3	Washer-Adjust (0.80Mm)				
120	98-7676	3	Gasket				
130	98-7677	3	Seal-Heat				



Alternator and Pulley Assembly

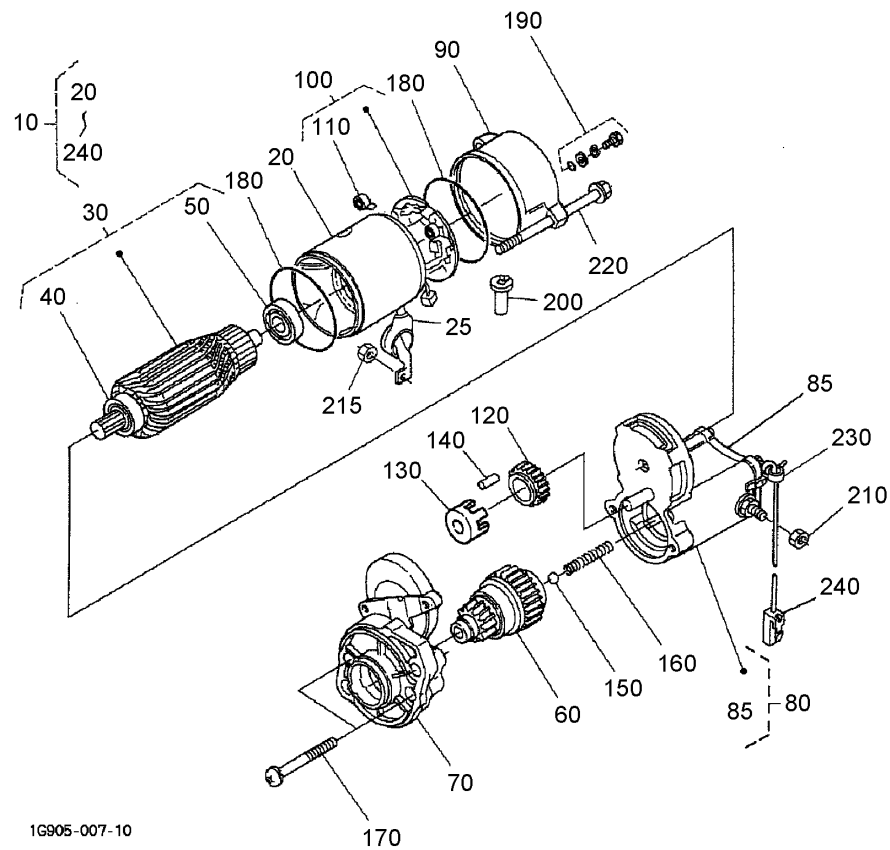
Ref	Part No.	Qty.	Description				
10	98-9474	1	Alternator ASM				
20	112-7047	1	Stay-Dynamo				
30	108-7088	1	Bolt				
40	98-9360	1	Bolt				
50	98-7737	1	Nut				
60	98-9366	1	Washer-Plain				
70	98-7738	1	Washer-Spring				
90	98-7692	1	Bolt				
100	98-9473	1	Pulley-Drive, Fan				
110	98-9585	1	Bolt				
120	98-9676	1	V-Belt				
130	104-4246	1	Fan-Engine				
140	98-9584	1	Pulley-Fan				
150	33103-020	4	Screw-HHF				
160	108-2872	1	Collar-Fan				



Alternator Components Assembly

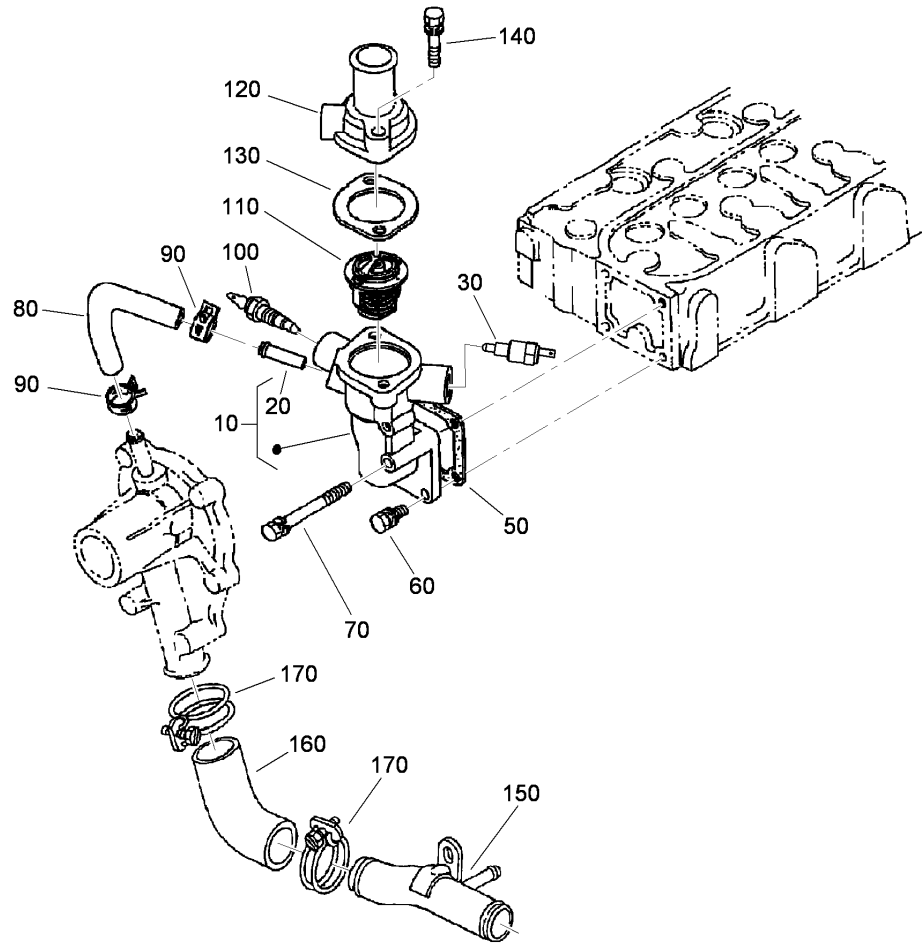
Ref	Part No.	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	107-0137	1	Bearing-Ball
140	107-9087	1	Frame-End
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

Ref	Part No.	Qty.	Description
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	110-3799	1	Regulator ASM



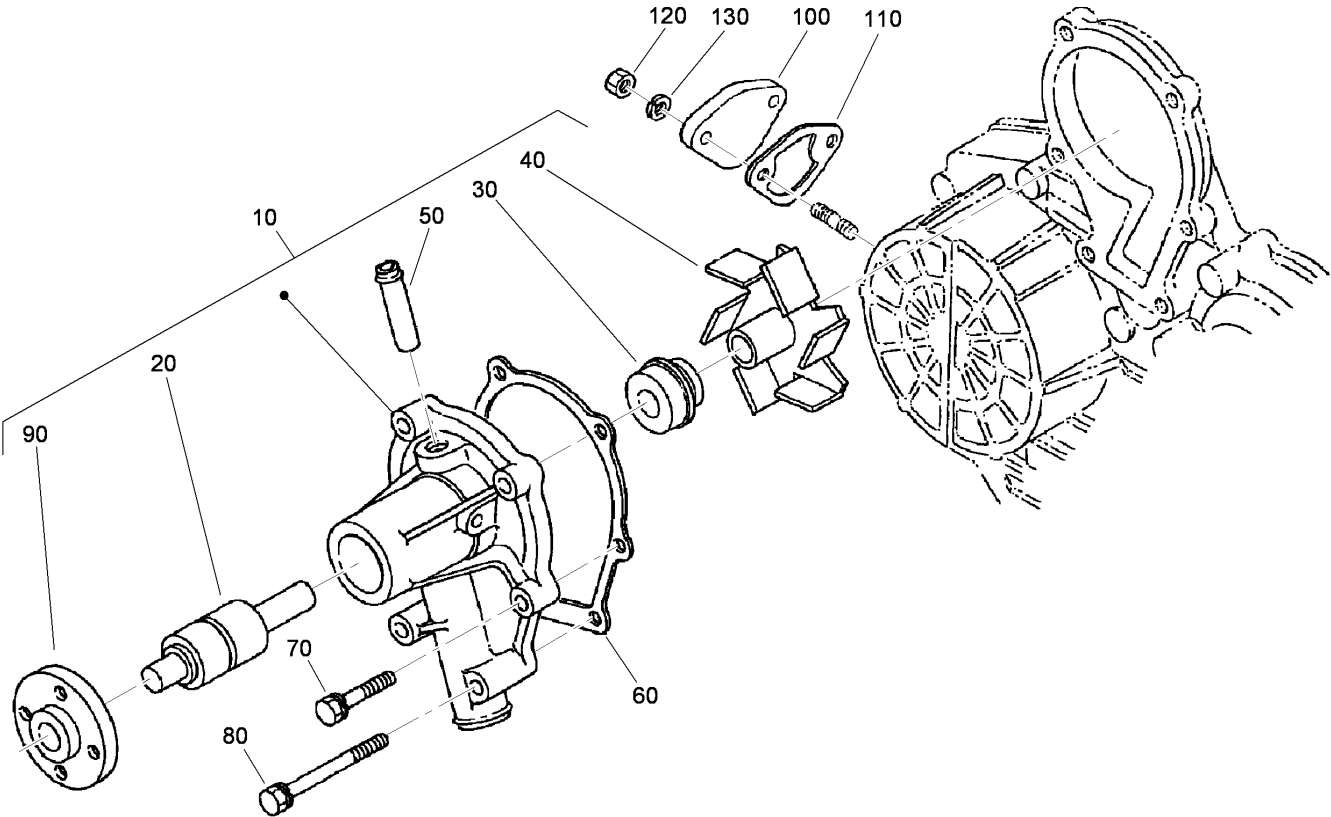
Starter (Component Part) Assembly No. 98-9705

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
10	98-9705	1	Starter ASM	220	100-9240	2	Bolt
20	104-8608	1	Yoke ASM	230	98-9712	1	Band-Cover
25	99-8375	1	Cover	240	98-9711	1	Cord-Solenoid, Stop
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				
85	105-2886	1	Cover 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				
140	98-7753	5	Roller				
150	98-7755	1	Ball				
160	98-7754	1	Spring				
170	98-7756	2	Bolt				
180	98-7757	2	O-Ring				
190	98-7758	2	Bolt ASM				
200	98-7759	1	Pipe-Drain				
210	99-8371	1	Nut-Hex				
215	99-8376	1	Nut-Hex				



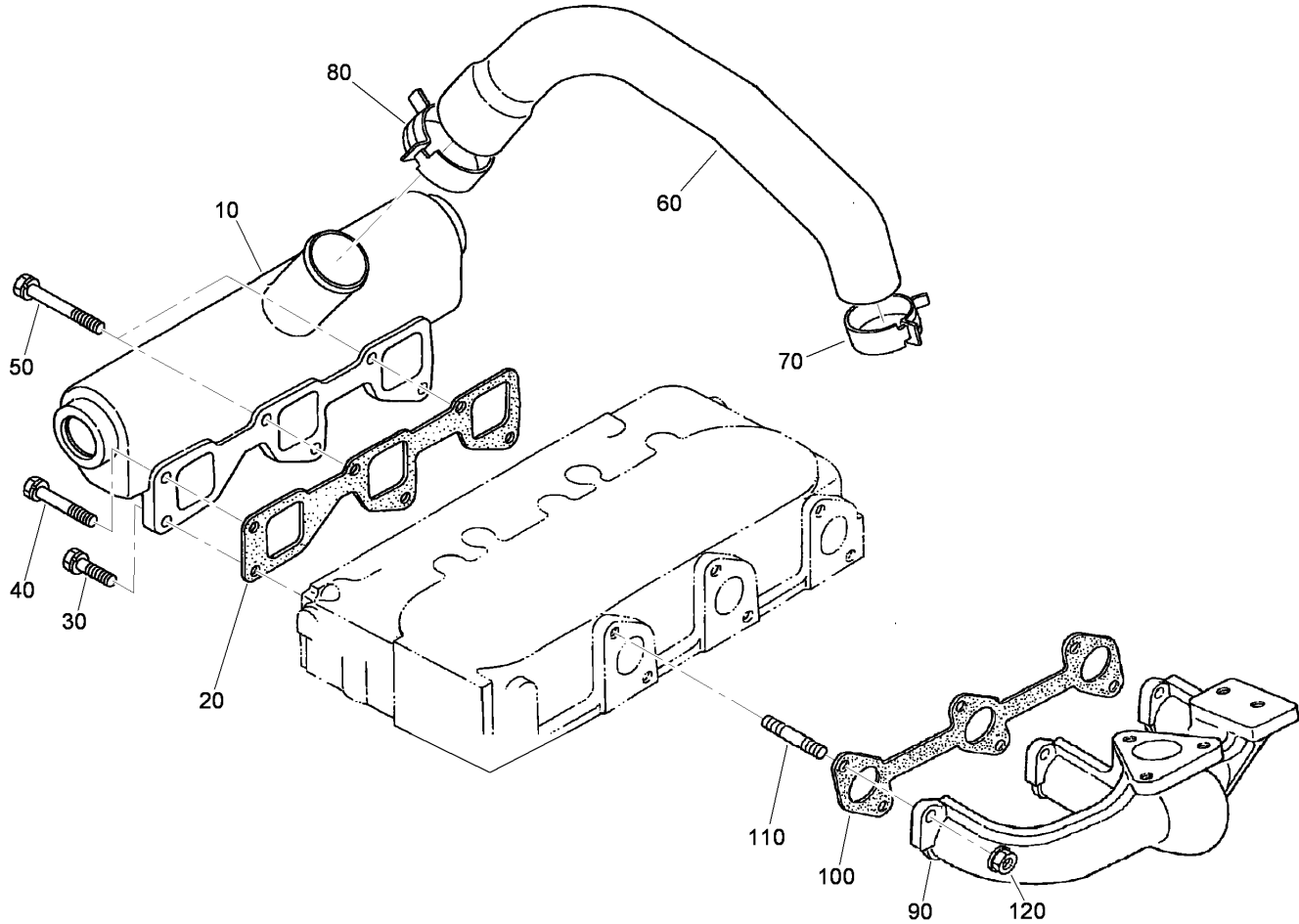
Water Flange and Thermostat Assembly

Ref	Part No.	Qty.	Description				
10	98-9713	1	Water Flange ASM				
20	98-9580	1	Pipe-Return, Water				
30	98-9719	1	Thermoswitch				
50	98-9638	1	Gasket-Flange, Water				
60	98-7692	3	Bolt				
70	98-9356	1	Bolt				
80	98-9578	1	Pipe-Return, Water				
90	98-9579	2	Band-Pipe				
100	112-0183	1	Switch-Thermometer				
110	98-7778	1	Thermostat ASM				
120	98-9471	1	Cover-Thermostat				
130	105-3748	1	Gasket-Thermostat				
140	98-7777	2	Bolt				
150	99-8379	1	Pipe-Water				
160	107-9091	1	Pipe-Water				
170	98-9717	2	Clamp				



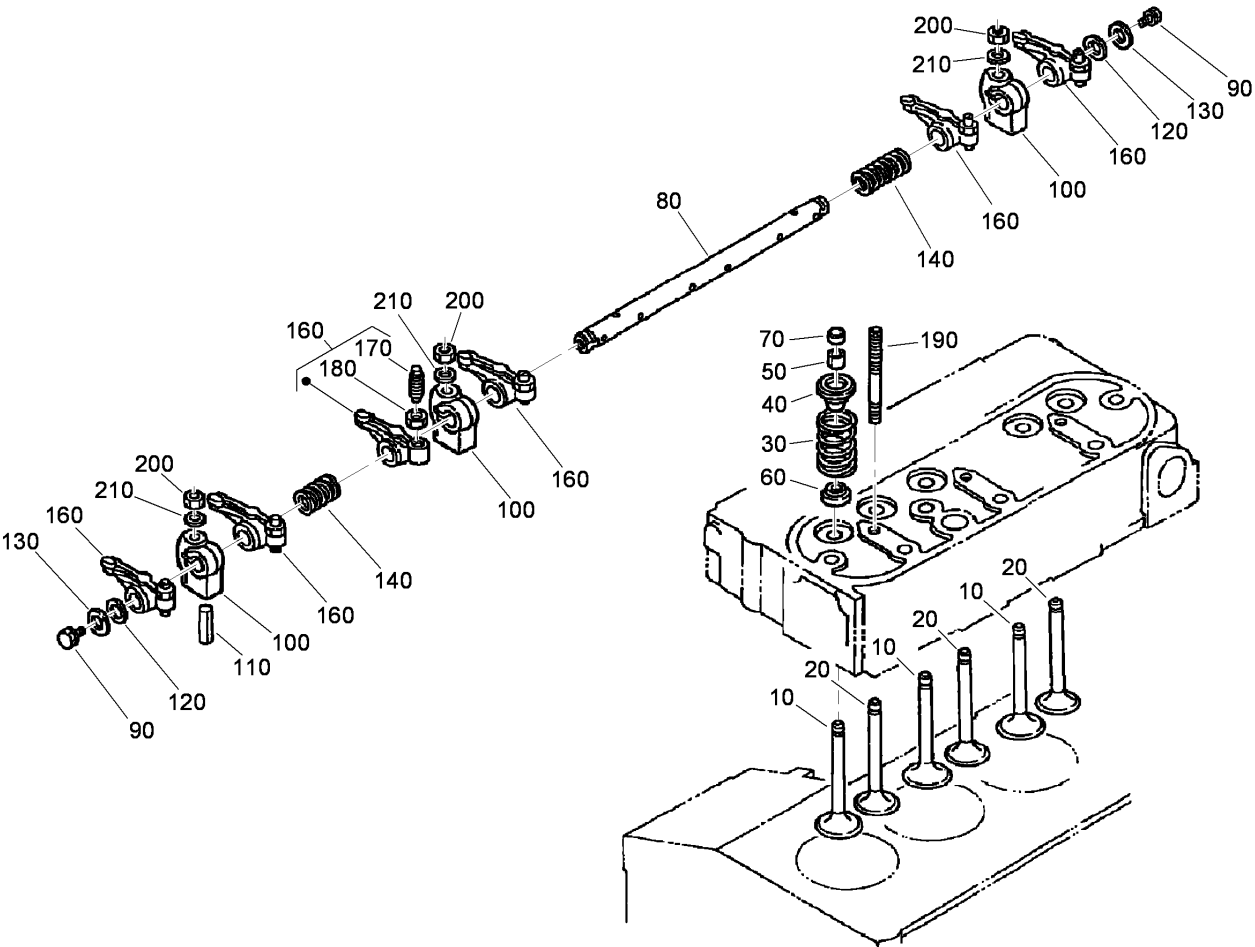
Water Pump Assembly

Ref	Part No.	Qty.	Description				
10	107-9089	1	Water Pump ASM				
20	99-3517	1	Bearing-Pump, Water				
30	105-3750	1	Mechanical Seal ASM				
40	112-7017	1	Impeller-Pump, Water				
50	100-1932	1	Pipe-Return, Water				
60	99-3454	1	Gasket-Pump, Water				
70	98-9353	4	Bolt				
80	107-9090	2	Bolt				
90	99-3516	1	Flange-Pump, Water				
100	99-3514	1	Cover				
110	98-9636	1	Gasket-Pump, Fuel				
120	98-7572	2	Nut				
130	98-7699	2	Washer-Spring				



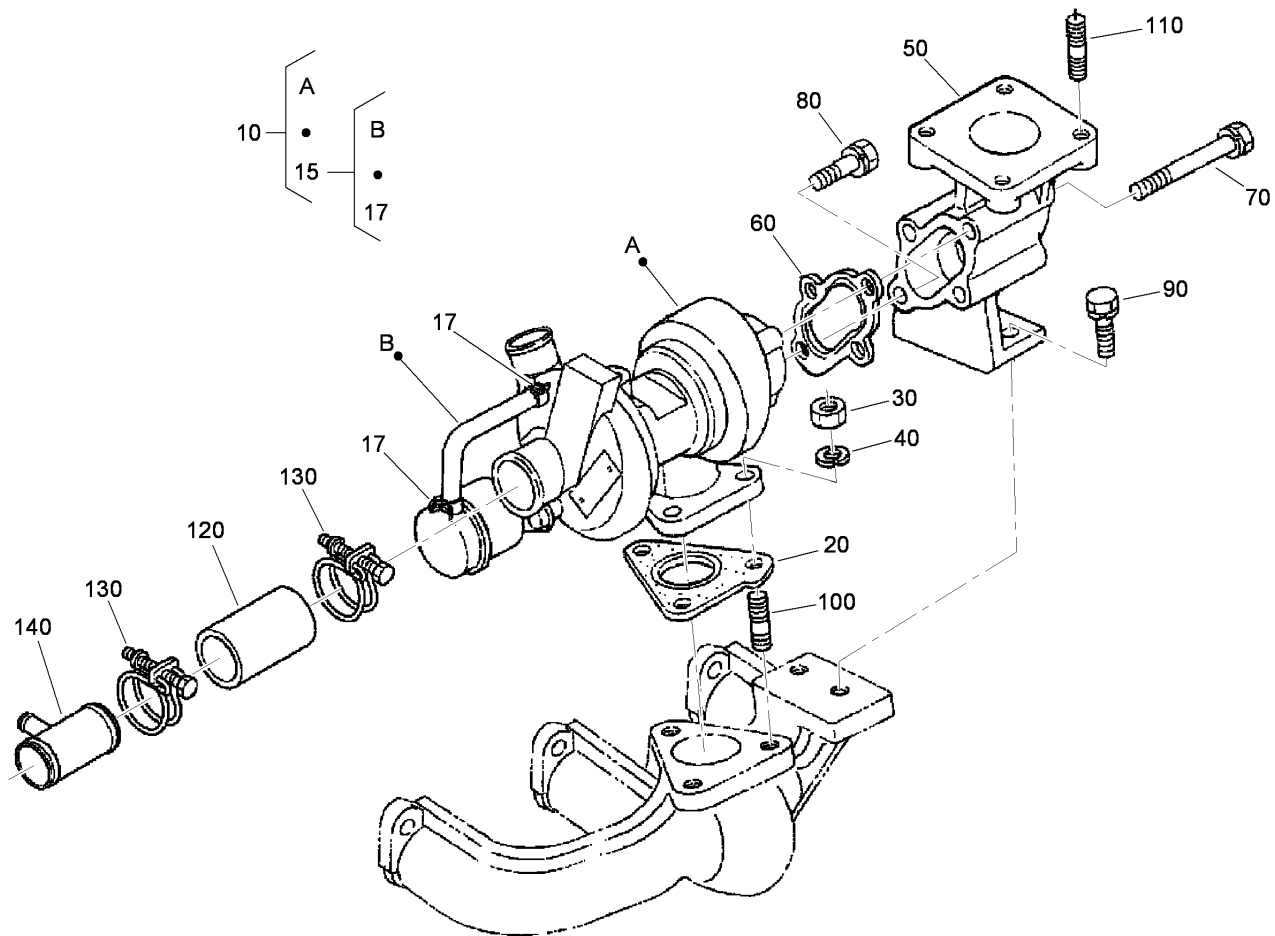
Inlet and Exhaust Manifold Assembly

Ref	Part No.	Qty.	Description				
10	99-8321	1	Manifold-Inlet				
20	99-8329	1	Gasket-Manifold, Intake				
30	98-7568	3	Bolt				
40	107-9073	1	Bolt				
50	99-8320	2	Bolt				
60	115-3047	1	Hose-Inlet				
70	115-3048	1	Clamp-Hose				
80	115-3049	1	Clamp-Hose				
90	108-1411	1	Manifold-Exhaust				
100	99-8327	1	Gasket-Manifold, Exhaust				
110	98-9588	6	Stud				
120	98-9665	6	Nut				



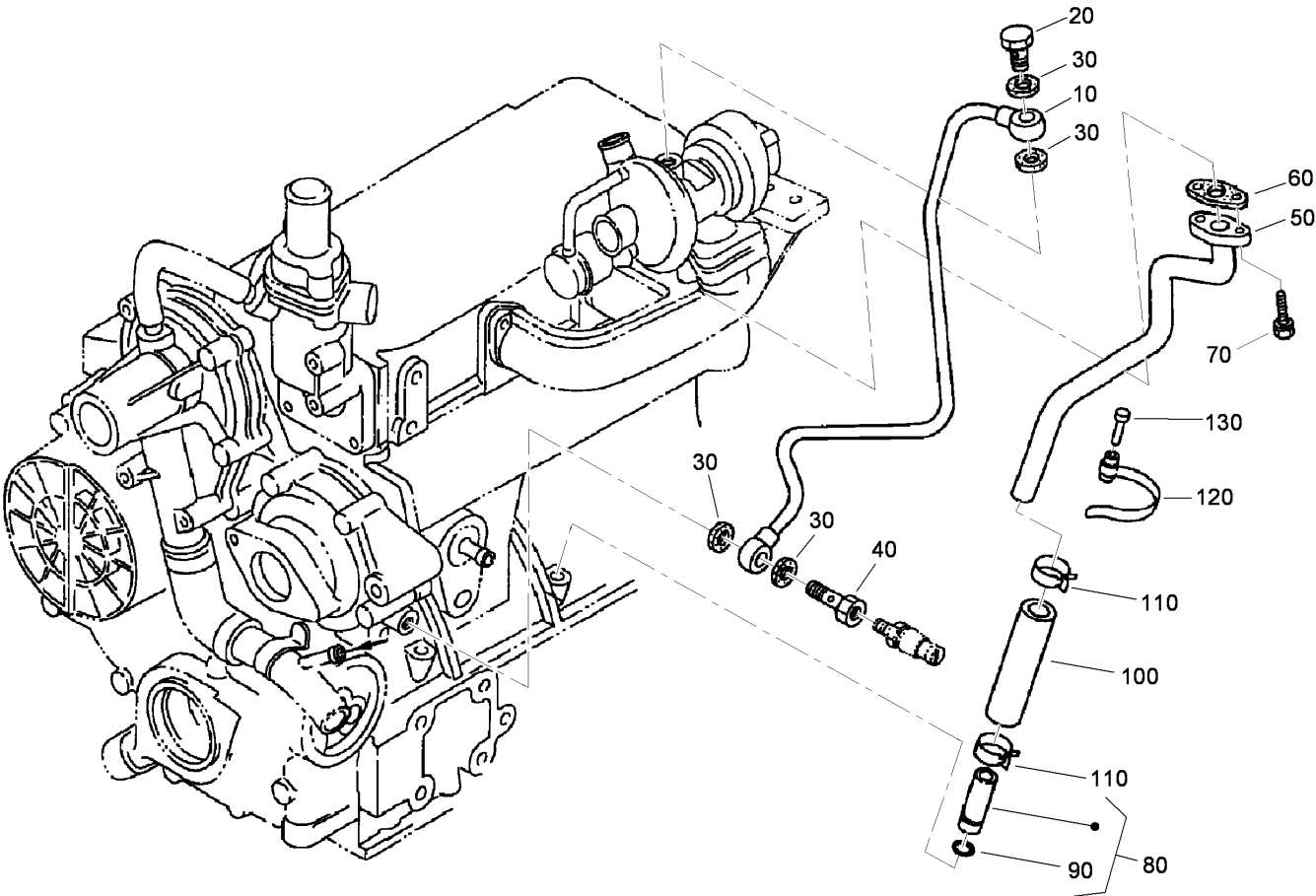
Valve and Rocker Arm Assembly

Ref	Part No.	Qty.	Description				
10	112-7018	3	Valve-Inlet				
20	112-7019	3	Valve-Exhaust				
30	98-9626	6	Spring-Valve				
40	107-9092	6	Retainer-Spring				
50	98-9390	6	Collet-Set, Valve Spring				
60	99-8385	6	Seat-Stem, Valve				
70	98-9497	6	Cap-Valve				
80	105-3790	1	R-Arm Shaft ASM				
90	100-9265	2	Bolt				
100	98-9505	3	Bracket-Arm, Rocker				
110	105-3758	1	Pin-Spring				
120	98-9507	2	Washer-Shaft, R-Arm				
130	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	98-9393	3	Nut				
210	98-9385	3	Washer-Flat				



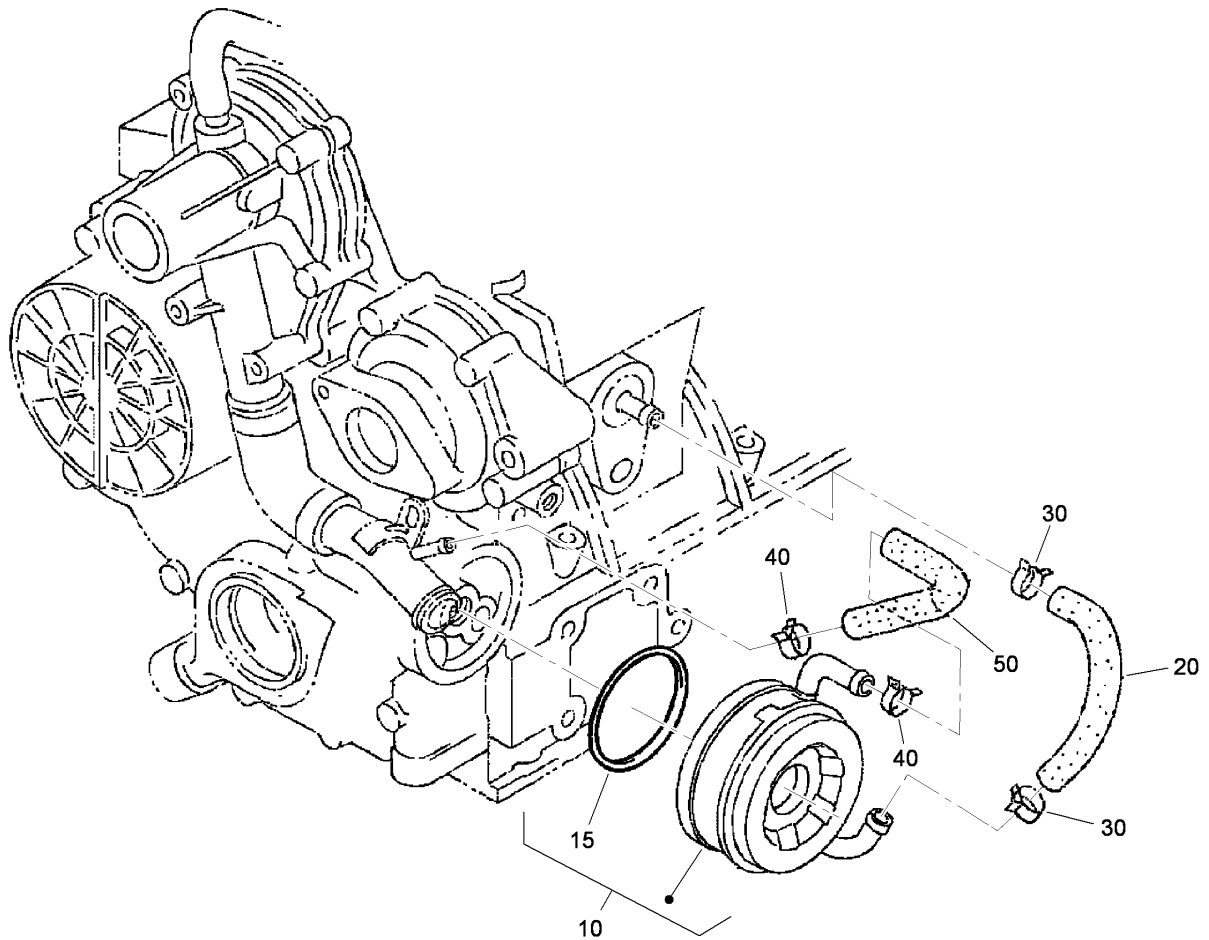
Turbo Charger Assembly

Ref	Part No.	Qty.	Description				
10	108-1412	1	Turbo Charger ASM				
15	108-1413	1	Hose ASM				
17	108-1414	2	Clamp-Hose				
20	105-3767	1	Gasket				
30	98-7534	3	Nut				
40	105-2893	3	Washer-Spring				
50	99-8335	1	Flange-Muffler				
60	105-3768	1	Gasket				
70	115-4100	3	Bolt				
80	105-2895	1	Bolt				
90	98-7610	2	Bolt				
100	99-8342	3	Stud				
110	98-7769	4	Stud				
120	115-4101	1	Tube-Inlet, Turbo				
130	115-4102	2	Band				
140	115-4103	1	Pipe-Inlet, Breather				



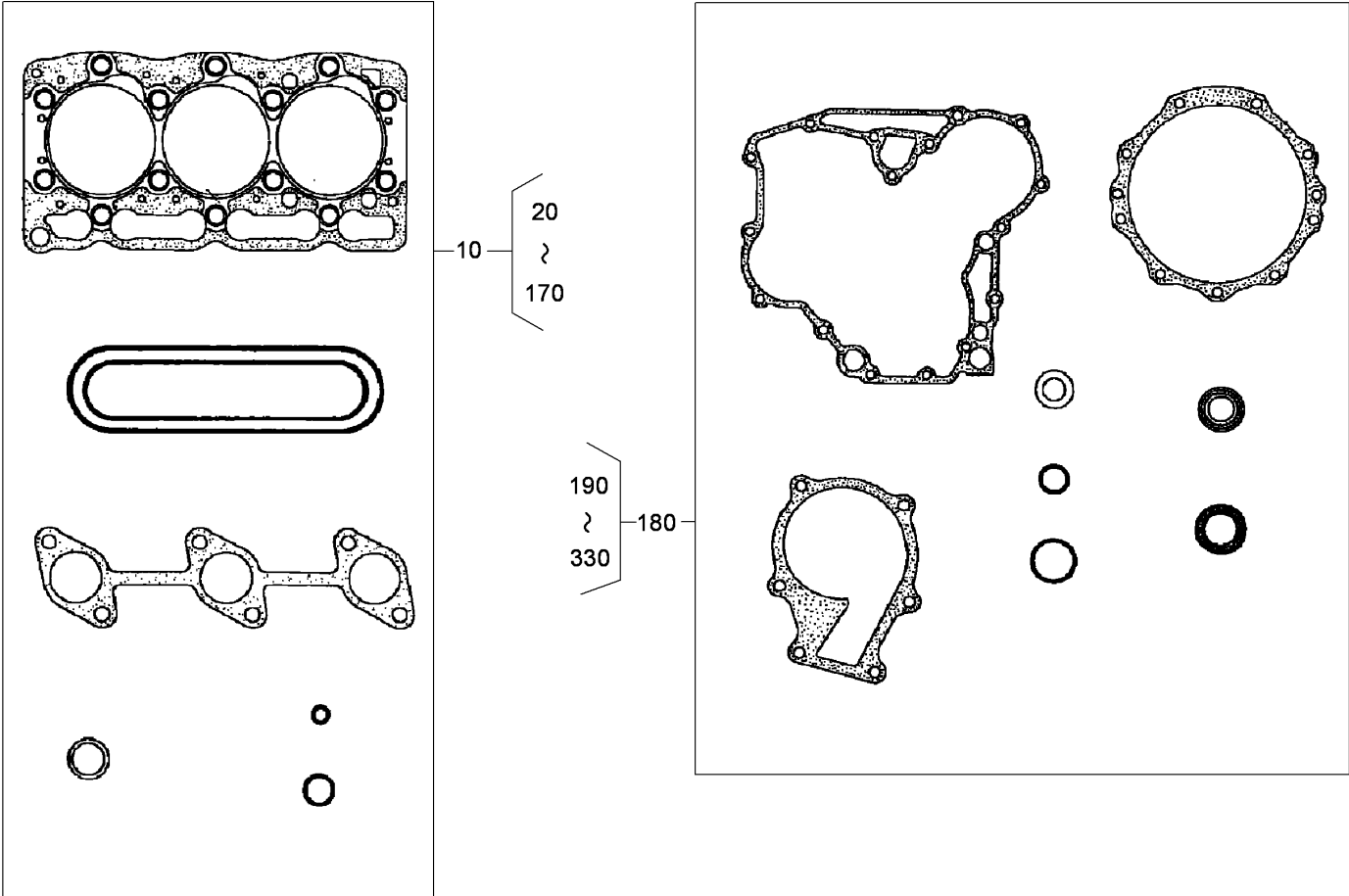
Turbo Charger Oil Pipe Assembly

Ref	Part No.	Qty.	Description				
10	98-9419	1	Oil Pipe ASM				
20	98-9418	1	Bolt-Joint, Eye				
30	99-8346	4	Gasket				
40	98-9417	1	Bolt-Joint, Eye				
50	98-9461	1	Pipe Line ASM				
60	108-4422	1	Gasket				
70	98-7605	2	Bolt				
80	99-8383	1	Oil Pipe ASM				
90	98-9722	1	O-Ring				
100	98-9721	1	Pipe-Oil				
110	98-9714	2	Clamp-Hose				
120	98-9601	1	Clamp-Pipe				
130	98-9591	1	Pin-Band				



Oil Cooler Assembly

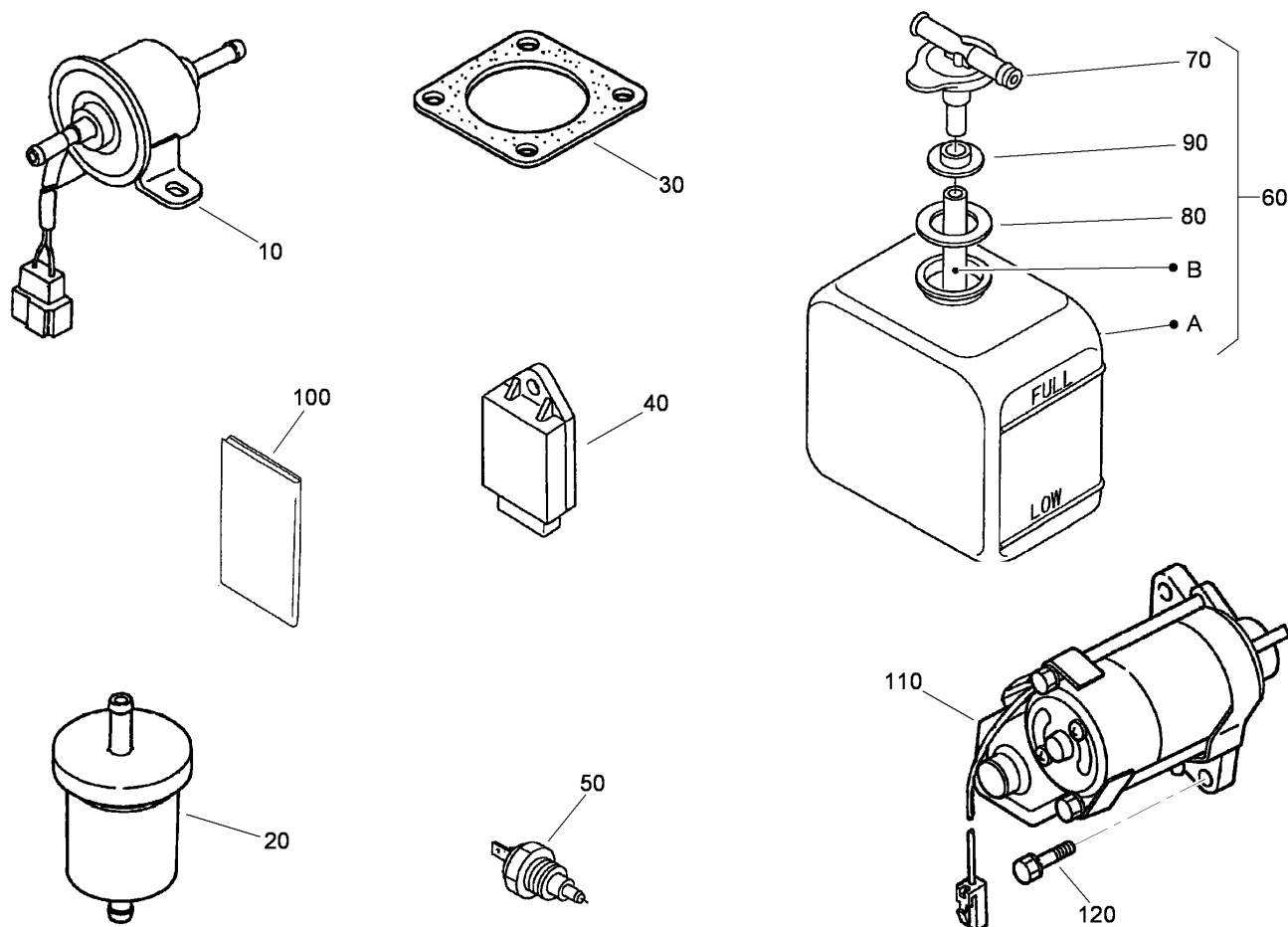
Ref	Part No.	Qty.	Description
10	104-5158	1	Oil Cooler ASM
15	112-7030	1	O-Ring
20	98-9724	1	Pipe-Cooler, Oil
30	98-9579	2	Band-Pipe
40	98-9579	2	Band-Pipe
50	98-9578	1	Pipe-Return, Water



Gasket Kit

Ref	Part No.	Qty.	Description
10	108-1415	1	Upper Gasket Kit
❶20	108-6573	1	Gasket-Head, Cylinder
❶40	99-8329	1	Gasket-Manifold, Intake
❶50	105-3767	1	Gasket
❶60	105-3768	1	Gasket
❶70	99-8327	1	Gasket-Manifold, Exhaust
❶80	99-8385	6	Seat-Stem, Valve
❶90	98-9615	1	Gasket-Cover, Head
❶100	98-9454	3	Gasket
❶110	99-3446	1	O-Ring
❶120	99-8346	4	Gasket
❶130	108-4422	1	Gasket
❶140	98-9722	1	O-Ring
❶150	98-9638	1	Gasket-Flange, Water
❶160	105-3748	1	Gasket-Thermostat
❶170	99-8343	1	Gasket-Muffler
180	112-7041	1	Lower Gasket Kit
❶190	98-9632	1	Gasket-Pump, Water
❶200	98-9633	1	Gasket-Case, Gear
❶210	105-3781	2	O-Ring
❶220	105-3777	2	O-Ring
❶230	98-9634	1	Gasket-Case, Bearing
❶240	98-9635	1	Gasket-Cover, Bearing Case
❶250	105-3783	1	O-Ring

Ref	Part No.	Qty.	Description
❶260	105-3776	1	O-Ring
❶270	98-9729	1	O-Ring
❶280	98-9636	1	Gasket-Pump, Fuel
❶290	98-9682	1	Gasket
❶300	105-3788	1	O-Ring
❶310	98-7601	1	Seal-Oil
❶320	98-9637	1	Gasket
❶330	98-9683	1	Gasket-Cover, Solenoid



Electric Fuel Pump, Fuel Filter, Starter and Overflow Bottle Assemblies

Ref	Part No.	Qty.	Description
10	107-0122	1	Pump-Fuel, Electric
20	98-7612	1	Filter-Fuel
30	99-8343	1	Gasket-Muffler
40	107-9097	1	Controller-Glow
50	98-9719	1	Thermoswitch
60	108-0638	1	Bottle-Overflow
70	105-3754	1	Cap
80	105-3755	1	Gasket
90	105-3756	1	Plate
100	115-4104	1	Operator Manual
110	98-9705	1	Starter ASM
120	98-7697	2	Bolt

Attachments and Accessories

For 30468 - Groundsmaster 7210 with 60in Side Discharge Mower

Product Name	Model/Part
Tooth Rake	08751
Finish Grader	08754
Drag Mat Carrier System	08756
Steel Drag Mat	08757
Coco Drag Mat	08758
Lug Tire (24 X 12 - 12)	103-6771
Bahiagrass Baffle Kit	105-7269
Blade-Belt Kit, 62 Inch Guardian Only	105-7270
Blade-Belt Kit, 72 Inch Guardian Only	105-7271
Blade-Belt Kit, 72 Inch Side Discharge Only	105-7272
Striping Kit, 72 Inch Side Discharge Only	105-7273
Yellow Hydraulic Cap	107-1576
Cap-Diesel, Green	107-2172
Premium Engine Oil, 15w40 (Drum)	108-1181
Premium Engine Oil, 15w40 (Pail)	108-1182
Premium Transmission/Hydraulic Tractor Fluid (Drum)	108-1183
Premium Transmission/Hydraulic Tractor Fluid (Pail)	108-1184
Leaf Mulching Kit, 72 Inch Side Discharge Only	108-5273
Wheel And Tire ASM (Semi Pneumatic)	110-6406
Spark Arrestor Kit	112-1688
Bio-Diesel Fuel Filter Kit	112-9140
Slow Moving Vehicle Kit	114-4050
5 Inch Air Cleaner Safety Element	114-4057
Weight Mount Bracket Kit	114-4090
42-pound Weight, For Kit 114-4090	114-4096
MVP (Filter) Kit	30037
Guardian Recycler Completion Kit	30304
62 Inch Guardian Recycler Completion Kit	30306
Guardian Fine Recycler Completion Kit, Groundsmaster 7200 Series Traction Unit with 72 Inch Base Mower	30346
Recycler Kit, 72in Side Discharge Mower for Groundsmaster 3320, 3280-D and 7200	30347
Recycler Kit, 60in Side Discharge Mower for Groundsmaster 3320, 3280-D and 7200	30348
Polar Trac Kit	30370
Polar Trac Cab	30371
Road Light Kit	30374
Z-Stand Kit	30375
Rear Quick Attach System	30377
V-Plow Mounting Kit	30378
Auxiliary Hydraulic Power Kit	30380
Auxiliary Power Unit	30382
CE Kit	30392
Debris Blower	30393
Rear Discharge Kit, Groundsmaster 7200 Series Traction Unit with 62 Inch Base Mower	30463
Rear Discharge Kit, Groundsmaster 7200 Series Traction Unit with 72 Inch Base Mower	30466
48 Inch V-Plow	30750

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