Form No. 3373-424 Rev A

TORO®

Count on it.

Parts Catalog

Groundsmaster® 360 4-Wheel Drive Multi-Purpose Machine

Model No. 31223—Serial No. 312000001 and Up

CE

Register at www.Toro.com.

Original Instructions (EN)

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

List of Abbreviations

AR: as required

ASM: assembly

BBC: blade brake control

BHTF: button head thread forming

CARR: carriage

CCW: counter clockwise

CW: clockwise

DEG: degrees

DPA: Dual Point Adjustment

ECM: electronic control module

EXT: external

FH: flat head

GA: gauge

HD: heavy-duty

HF: hex flange

HH: hex head

HHF: hex head flange

HHFTF: hex head flange thread forming

HJ: hex jam

HLH: hex lag head

HOC: height-of-cut

HSBH: hex socket button head

HSFH: hex socket flat head

HSH: hex socket head

HWH: hex washer head

HWHTF: hex washer head thread forming

HYD: hydraulic

LH: left hand

LPG: Liquid Propane Gas

NI: nylon insert

NPTF: national pipe thread fine

PFH: phillips flat head

PPH: phillips pan head

PPHTF: phillips pan head thread forming

PRH: phillips round head

PTH: phillips truss head

PTO: power-take-off

RH: right hand

ROPS: roll-over protection system

RRB: rear roller brush

SFH: slotted fillister head

SHH: slotted hex head

SHWH: slotted hex washer head

SPH: slotted pan head

SQH: square head

SRH: slotted round head

STD: standard

TAP: self tapping

TTH: torx truss head

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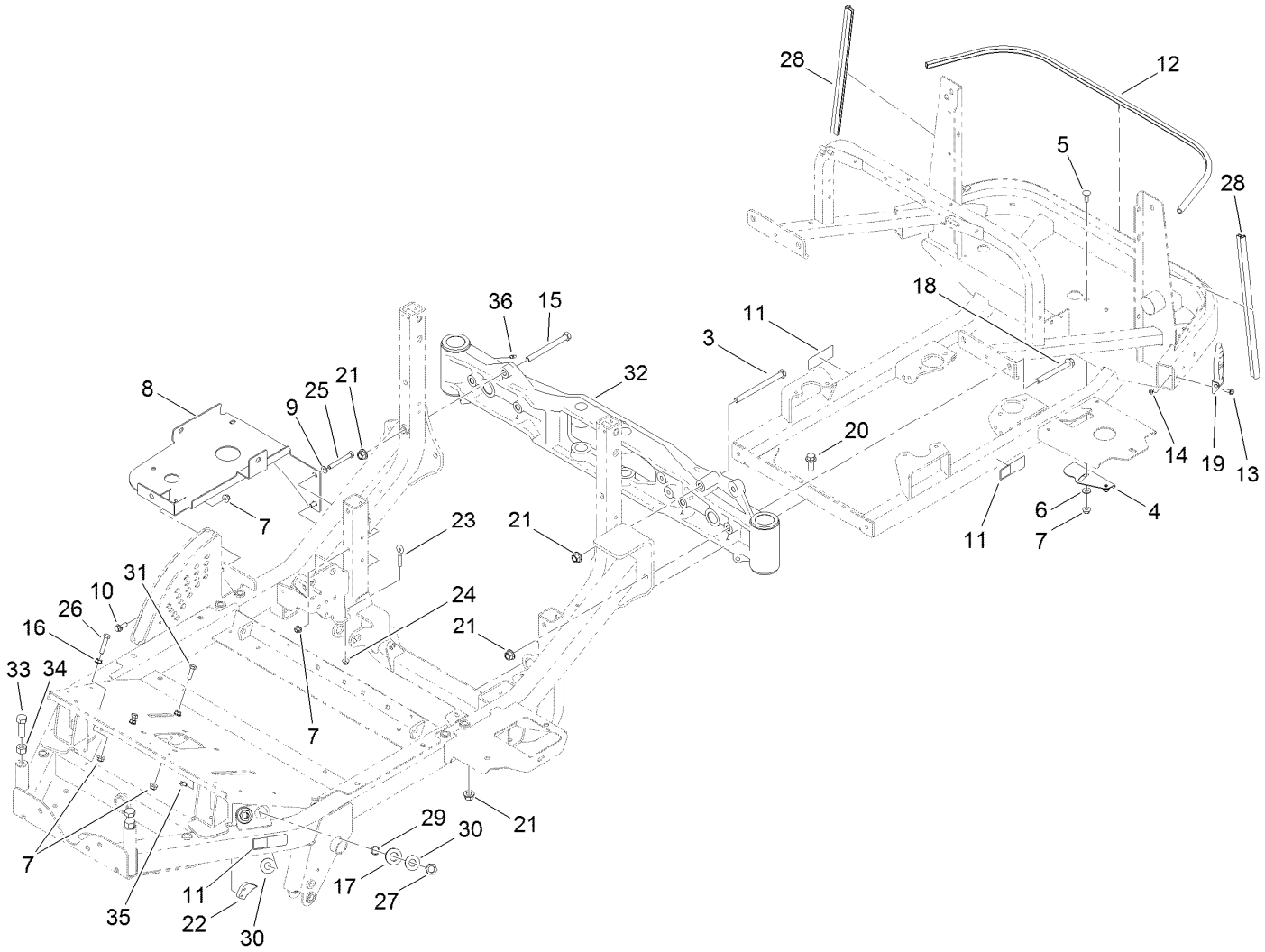
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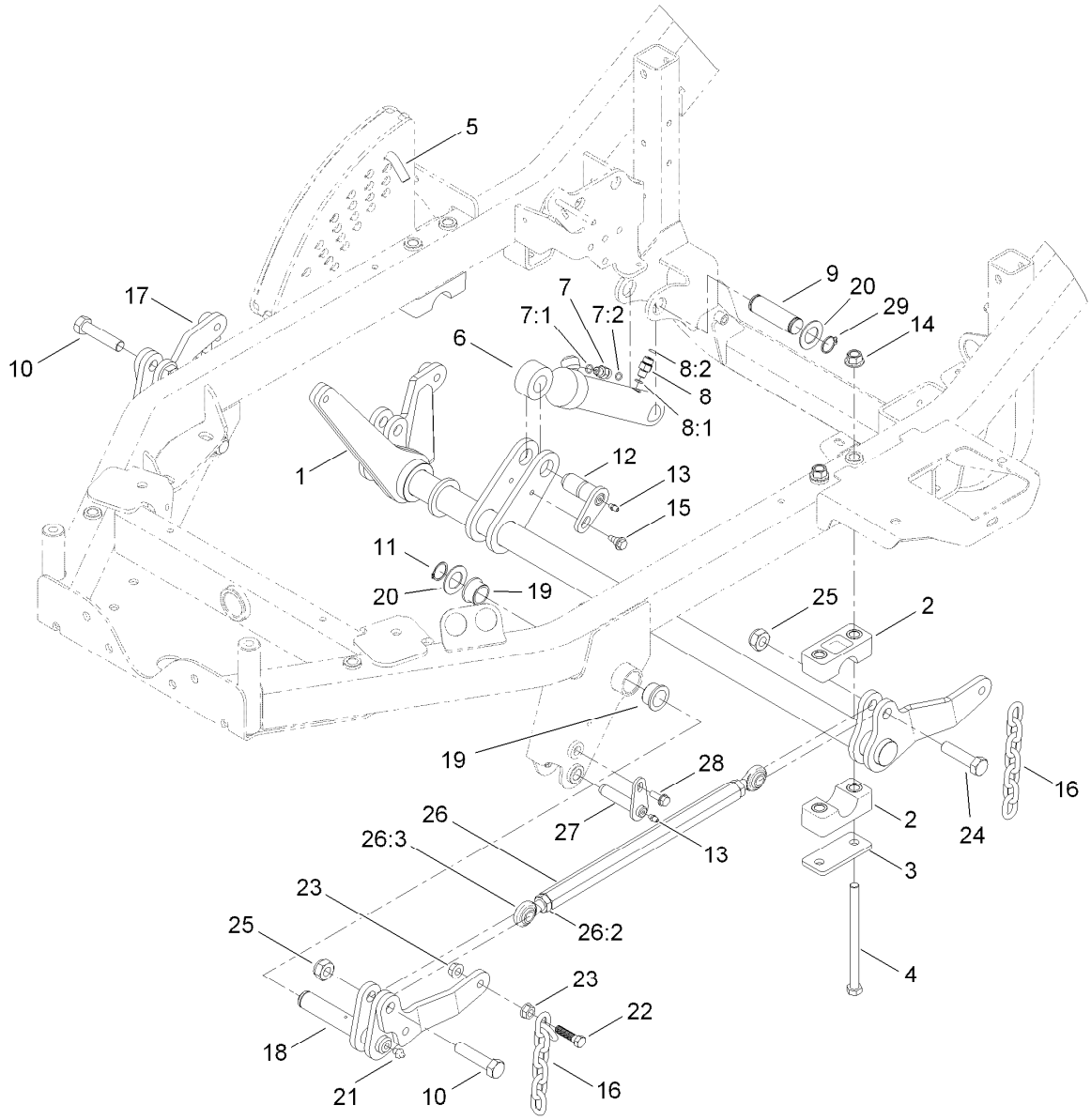
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Frame and Axle Assembly

Ref.	Part Number	Qty.	Description
3	325-33	1	Screw-HH
4	117-3190	1	Cover-Lower
5	3231-22	2	Screw-CARR
6	66-2920	2	Washer-Friction
7	104-8301	8	Nut-Flange, NI
8	117-3385-03	1	Bracket-Tank, HYD
9	3256-24	2	Washer-Flat
10	3234-24	1	Screw-HHF
11	106-9206	4	Decal-Torque, Wheel
12	117-3311	1	Seal-Bulb
13	3234-4	2	Screw-HHF
14	104-7201	2	Nut-HF
15	325-22	1	Screw-HH
16	3290-357	3	Nut-HHF, Whiz
17	240-4	2	Grommet-Rubber
18	117-3176	4	Screw-HHF
19	103-2898	2	Latch-Rubber

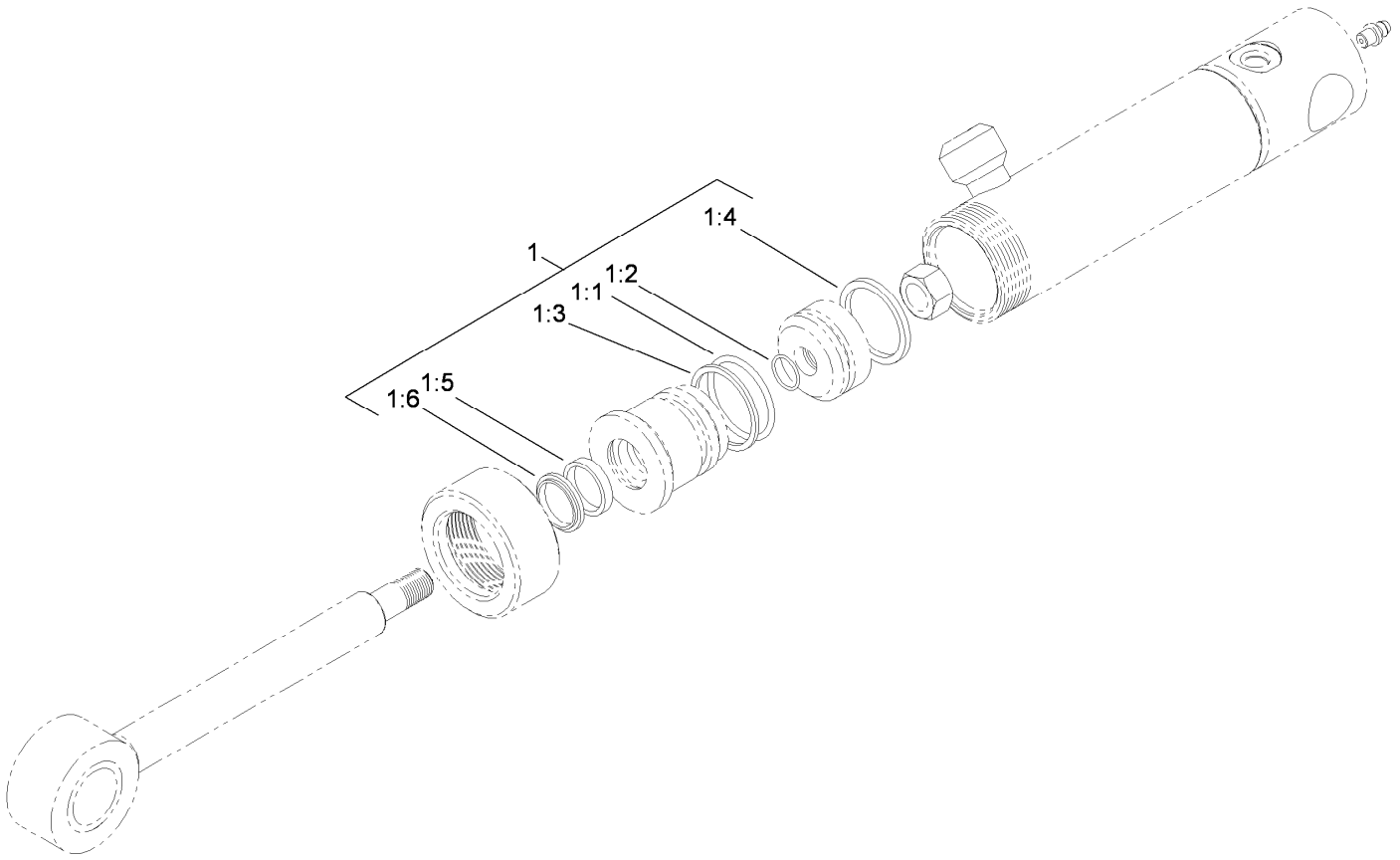
Ref.	Part Number	Qty.	Description
20	3234-38	3	Screw-HHF
21	99-5107	9	Nut-Lock
22	99-7214	1	Pawl-Brake
23	1-303238	1	Eyebolt-Thread, RH
24	104-8300	1	Nut-Flange, NI
25	323-14	2	Screw-HH
26	323-53	2	Screw-HH
27	340-70	2	Nut-Lock
28	107-2269	2	Seal-Bulb
29	69-8970	2	Spacer
30	69-8940	4	Washer
31	323-7	1	Screw-HH
32	119-1448	1	Rear Axle ASM
33	327-6	2	Screw-HH
34	3217-11	2	Nut-Hex
35	3234-13	2	Screw-HHF
36	302-5	2	Fitting-Grease



Lift Shaft and Linkage Assembly

Ref.	Part Number	Qty.	Description
1	115-0190-03	1	Lift Shaft ASM
2	115-0491	4	Cap-Bearing
3	117-2903	2	Plate-Bearing
4	325-37	4	Screw-HH
5	112-9544	1	Pin-HOC
6	110-9834	1	HYD Cylinder ASM
7	340-92	1	Fitting-HYD, Straight
7:1	237-78	1	O-Ring
7:2	237-21	1	O-Ring
8	95-1639	1	Fitting-HYD
8:1	237-78	1	O-Ring
8:2	237-21	1	O-Ring
9	115-0183	1	Shaft-Cylinder, Lift
10	327-8	2	Screw-HH
11	32151-29	2	Ring-Retaining
12	98-2654	1	Pivot Pin ASM
13	302-5	3	Fitting-Grease
14	99-5107	4	Nut-Lock

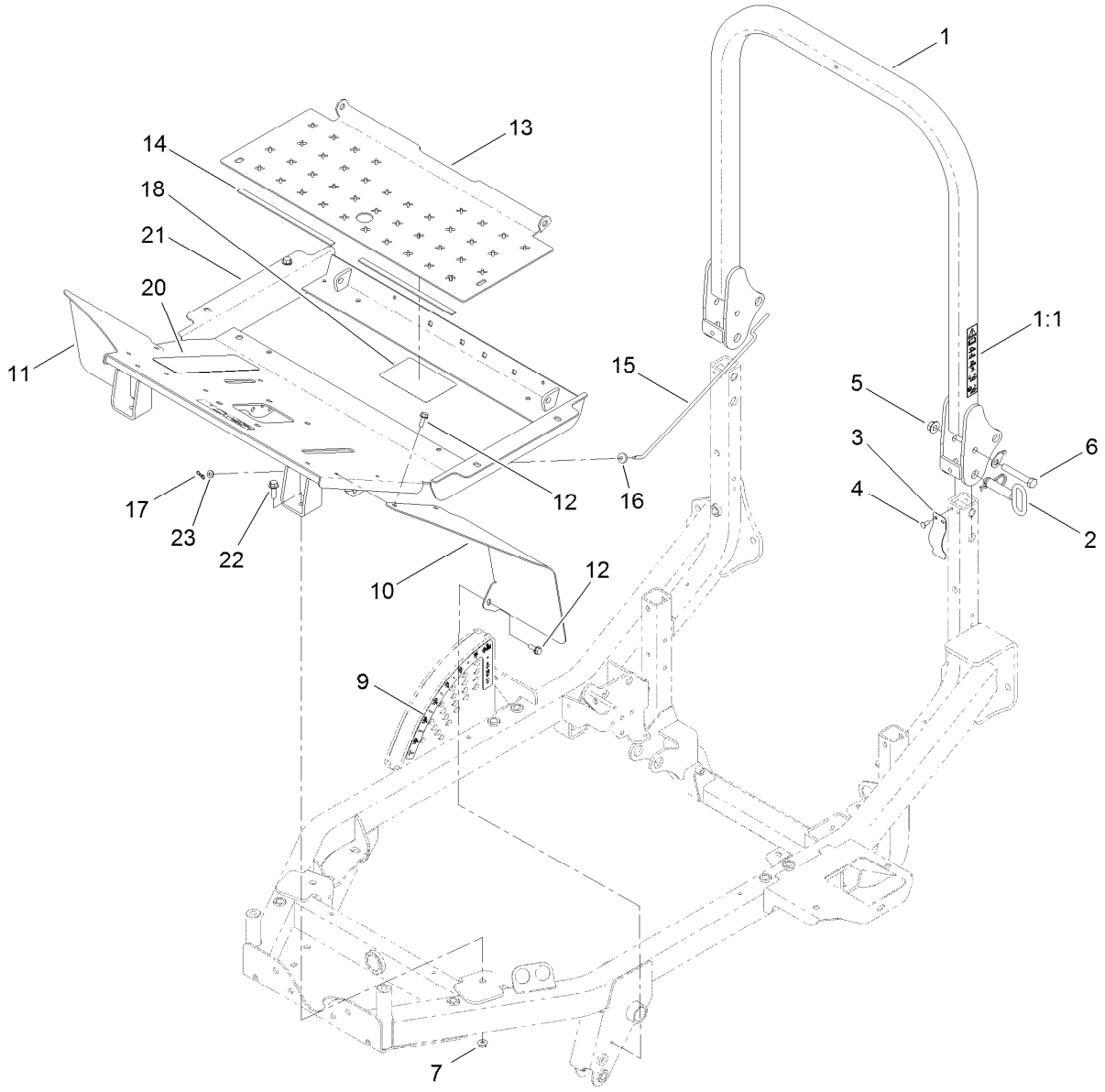
Ref.	Part Number	Qty.	Description
15	99-5105	1	Bolt-Shoulder
16	119-1385	4	Chain-HOC
17	119-1380-03	1	RH Lift ASM
18	119-1383-03	1	LH Lift ASM
19	114-5680	4	Bushing-Flange
20	69-9010	4	Washer
21	302-2	2	Fitting-Grease
22	103-1898	4	Screw-HH
23	32128-37	8	Nut-HF
24	327-7	2	Screw-HH
25	3296-61	4	Nut-Lock
26	114-4059	2	Link ASM
26:2	3220-6	2	Nut-Jam
26:3	1-633029	2	Balljoint-Spherical
27	112-1602	2	Pin-Retainer
28	32144-41	2	Screw-Taptite
29	32151-36	2	Ring-Retaining



Hydraulic Cylinder Assembly No. 110-9834

Ref.	*Part Number*	*Qty.*	*Description*
1	112-6353	1	Seal Kit
1:1		1	O-Ring ●
1:2		1	O-Ring ●
1:3		1	Backup ●
1:4		1	Seal-Bp ●
1:5		1	Seal-Rod ●
1:6		1	Seal-Dust ●

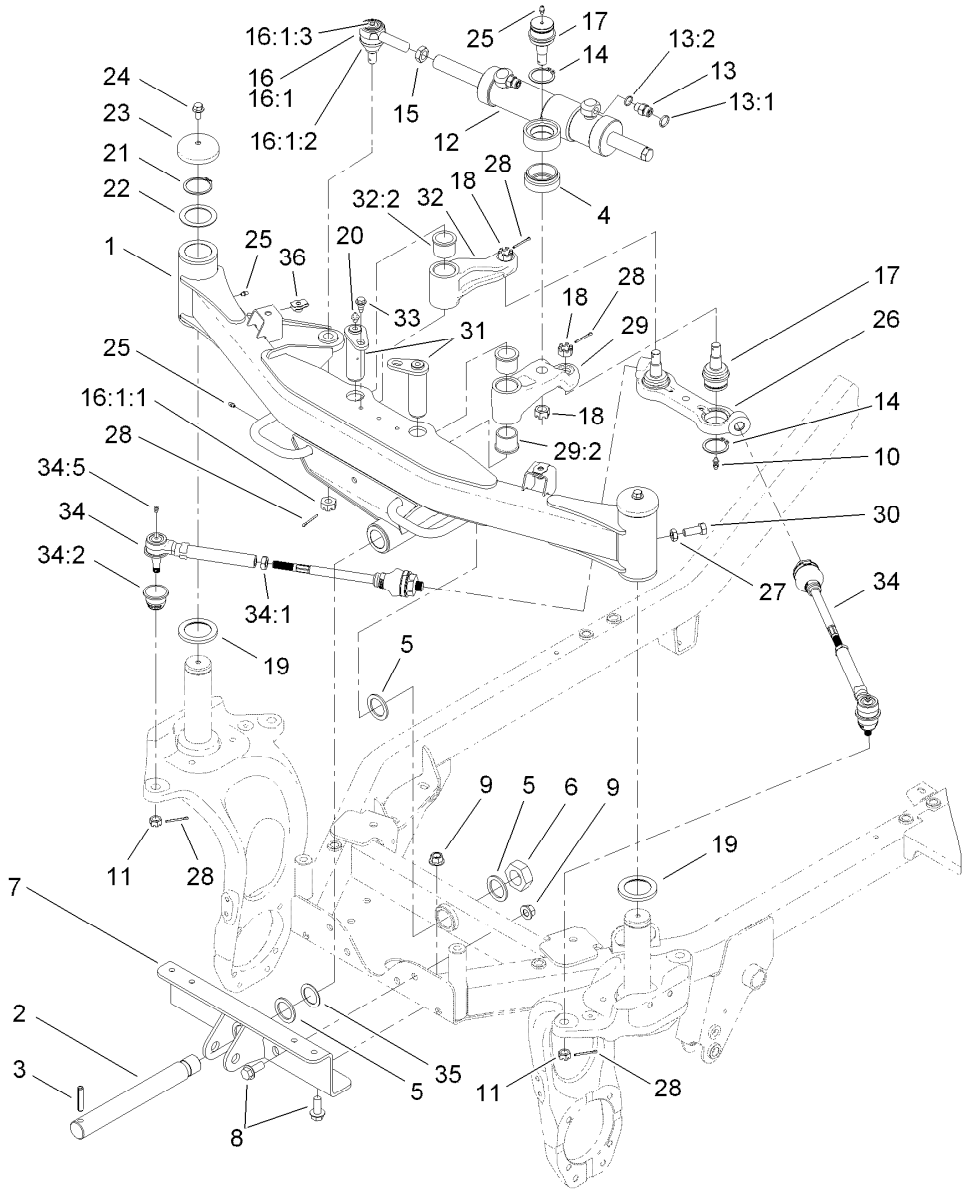
● Not serviced separately



Platform and Roll-Over Protection System Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	120-0253	1	ROPS ASM
1:1	117-3272	1	Decal-Danger, ROPS
2	103-4553	2	ROPS Fold Pin ASM
3	110-5696	2	Spring-Leaf
4	3290-412	4	Rivet
5	32128-23	2	Nut-HF
6	112-7264	2	Screw-HH
7	104-8301	2	Nut-Flange, NI
9	115-0492	1	Decal-HOC
10	117-3203-03	1	Fender-Front, LH
11	117-3202-03	1	Fender-Front, RH

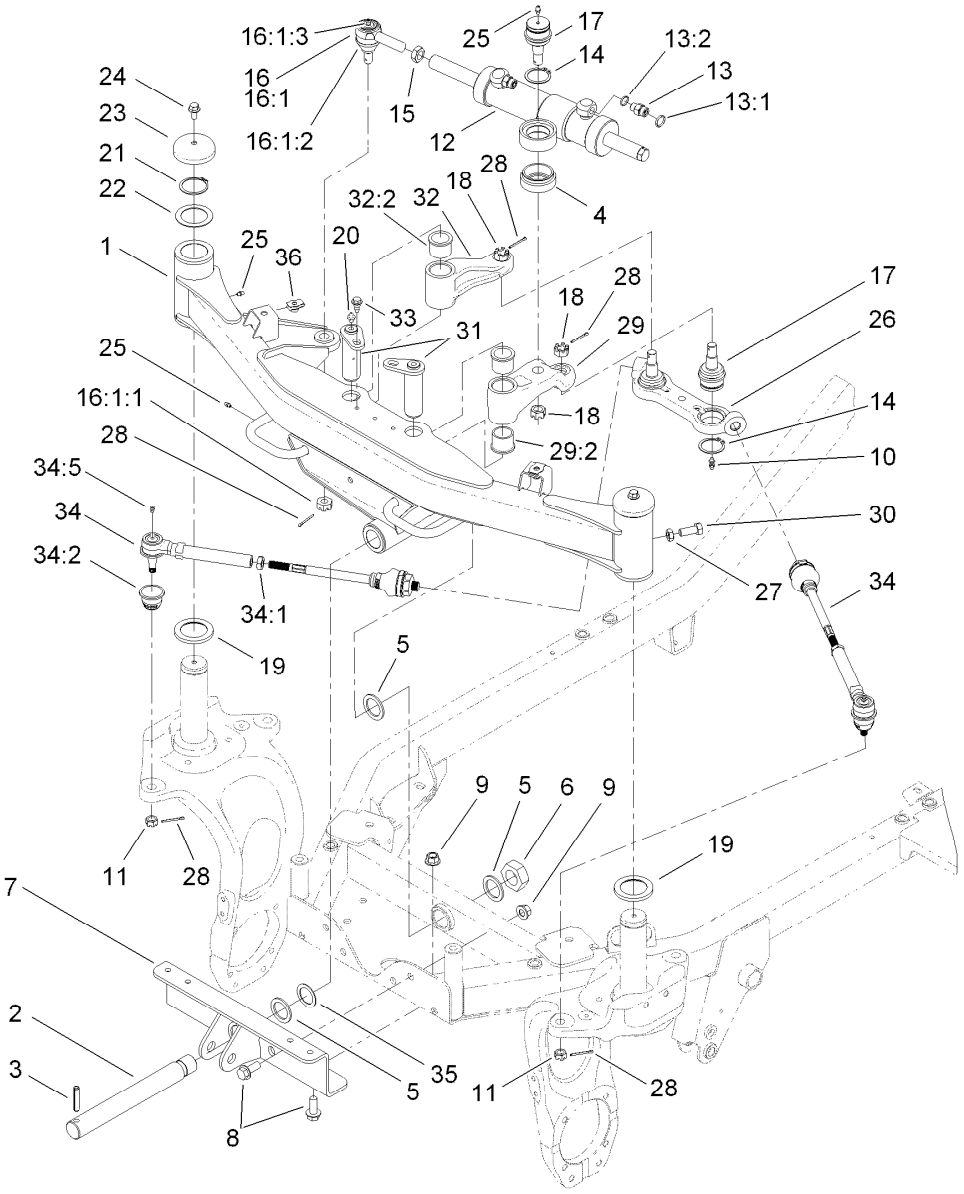
Ref.	*Part Number*	*Qty.*	*Description*
12	32144-41	6	Screw-Taptite
13	117-3204-03	1	Plate-Floor
14	115-8827	2	Foam-Strip
15	110-9847	1	Rod-Prop
16	237-141	1	Grommet-Rubber
17	119-1414	1	Pin-Cotter, Locking
18	112-1461	1	Decal-Routing, Belt
20	71-0440	1	Abrasive-Pedal
21	119-1398-01	1	Platform ASM
22	3234-24	4	Screw-HHF
23	3256-22	1	Washer-Flat



Front Axle and Tie Rod Assembly

Ref.	Part Number	Qty.	Description
1	119-1447	1	Front Axle ASM
2	119-1376	1	Shaft-Pivot
3	32121-110	1	Pin-Roll, Slotted
4	120-0238	1	Spacer-Cylinder
5	98-1452	3	Washer-Thrust
6	3296-68	1	Nut-Lock, NI
7	117-2920-03	1	Axle Support ASM
8	3234-38	6	Screw-HHF
9	99-5107	6	Nut-Lock
10	302-60	2	Fitting-Grease
11	32136-3	2	Nut-SHH
12	115-0060	1	HYD Cylinder ASM
13	340-2	2	Fitting-HYD, Straight
13:1	237-22	1	O-Ring
13:2	237-42	1	O-Ring
14	32151-104	3	Ring-Retaining, External
15	84-5300	1	Nut-Jam
16	71-4740-03	1	End-Rod, Tie
16:1		1	End-Rod, Tie (RH) ●
16:1:1	105-7941	1	Nut-Hex, Slotted
16:1:2	105-7835	1	Seal
16:1:3	302-5	1	Fitting-Grease
17	106-6774	3	Joint-Ball
18	32136-2	3	Nut-SHH
19	100-2508	2	Washer-Thrust
20	302-2	2	Fitting-Grease
21	100-4196	2	Ring-Retaining
22	115-0169	2	Washer-Thrust
23	100-3362	2	Cap-Spindle
24	3234-12	2	Screw-HHF
25	302-5	4	Fitting-Grease
26	117-2986	1	Centerlink
27	3218-5	2	Nut-Jam
28	3272-12	6	Pin-Cotter
29	120-0391	1	Front LH Arm ASM
29:2	94-8947	2	Bushing-Flange

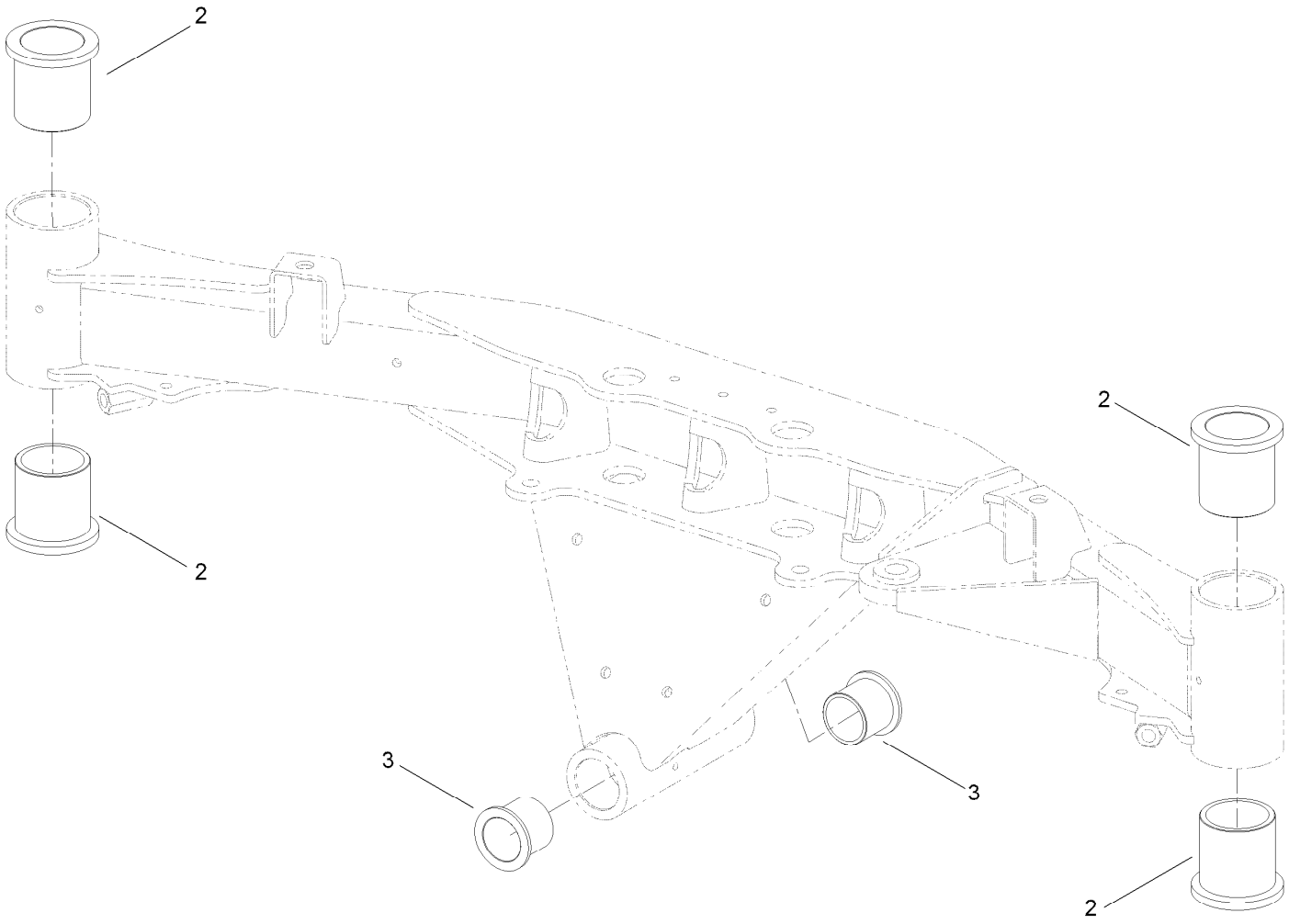
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Front Axle and Tie Rod Assembly (continued)

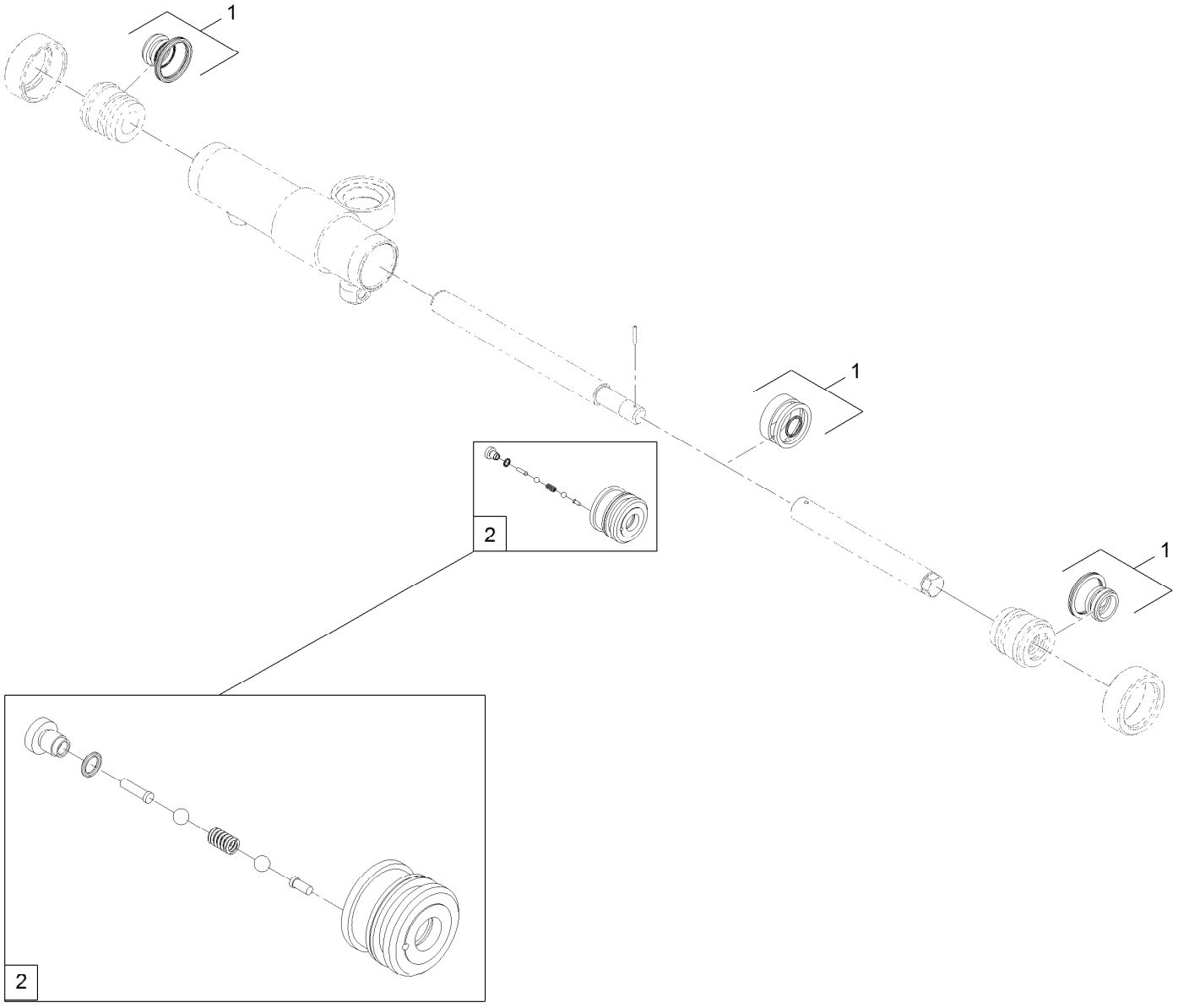
Ref.	Part Number	Qty.	Description
30	325-6	2	Screw-HH
31	117-3167	2	Front Pin ASM
32	120-0390	1	Front RH Arm ASM
32:2	94-8947	2	Bushing-Flange
33	99-5105	2	Bolt-Shoulder
34	117-2983	2	Rod-Tie, Front
34:1	42-9650	1	Nut-Hex, Jam
34:2	117-3287	1	Dust Boot
34:5	302-5	1	Fitting-Grease
35	93-4628	1	Washer
36	105-4886	2	Nut-Tinnerman

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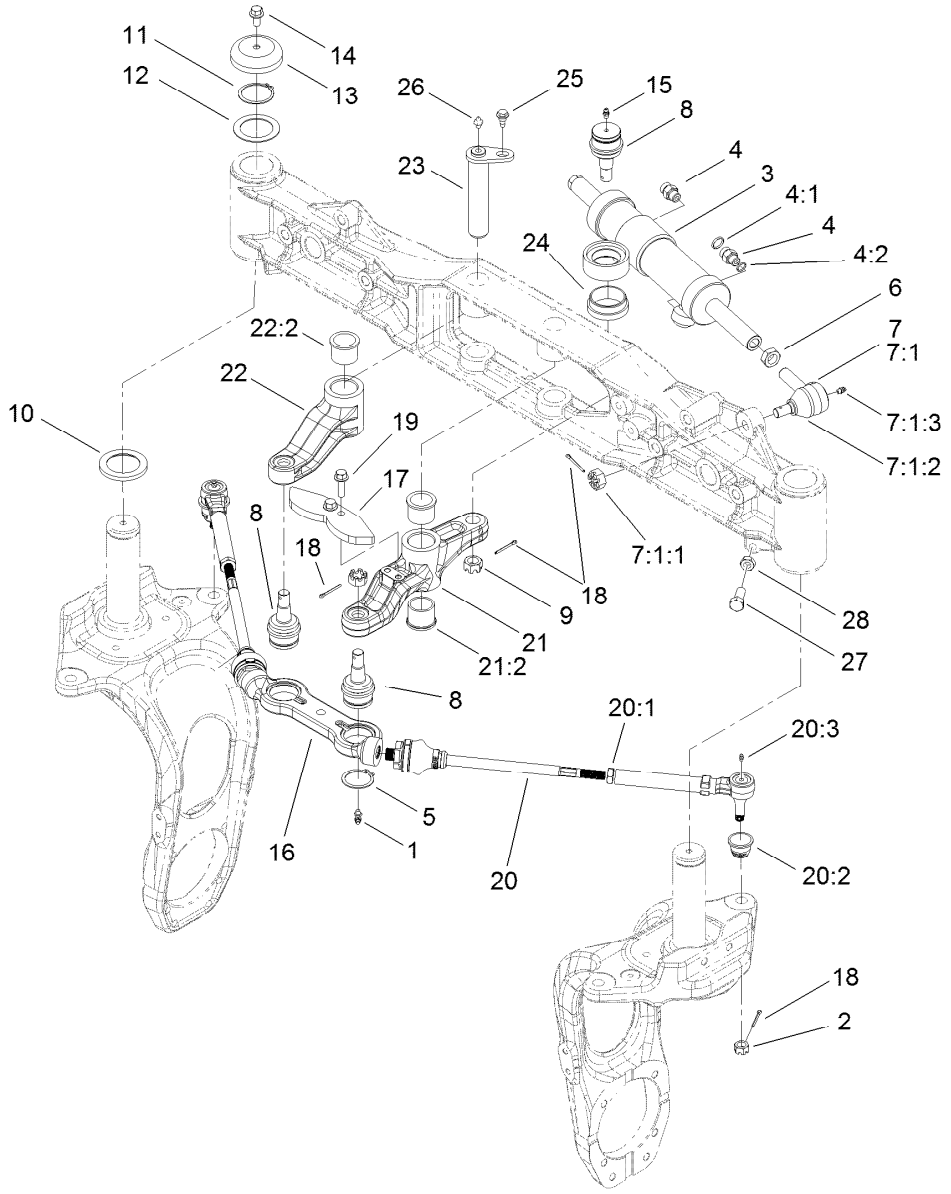
Front Axle Assembly No. 119-1447

Ref.	*Part Number*	*Qty.*	*Description*
2	100-2506	4	Bushing-Castor
3	69-6470	2	Bushing-Castor



Hydraulic Cylinder Assembly No. 115-0060

Ref.	*Part Number*	*Qty.*	*Description*
1	120-2557	1	Seal Kit
2	120-2556	1	Valve-Check, Rephasing

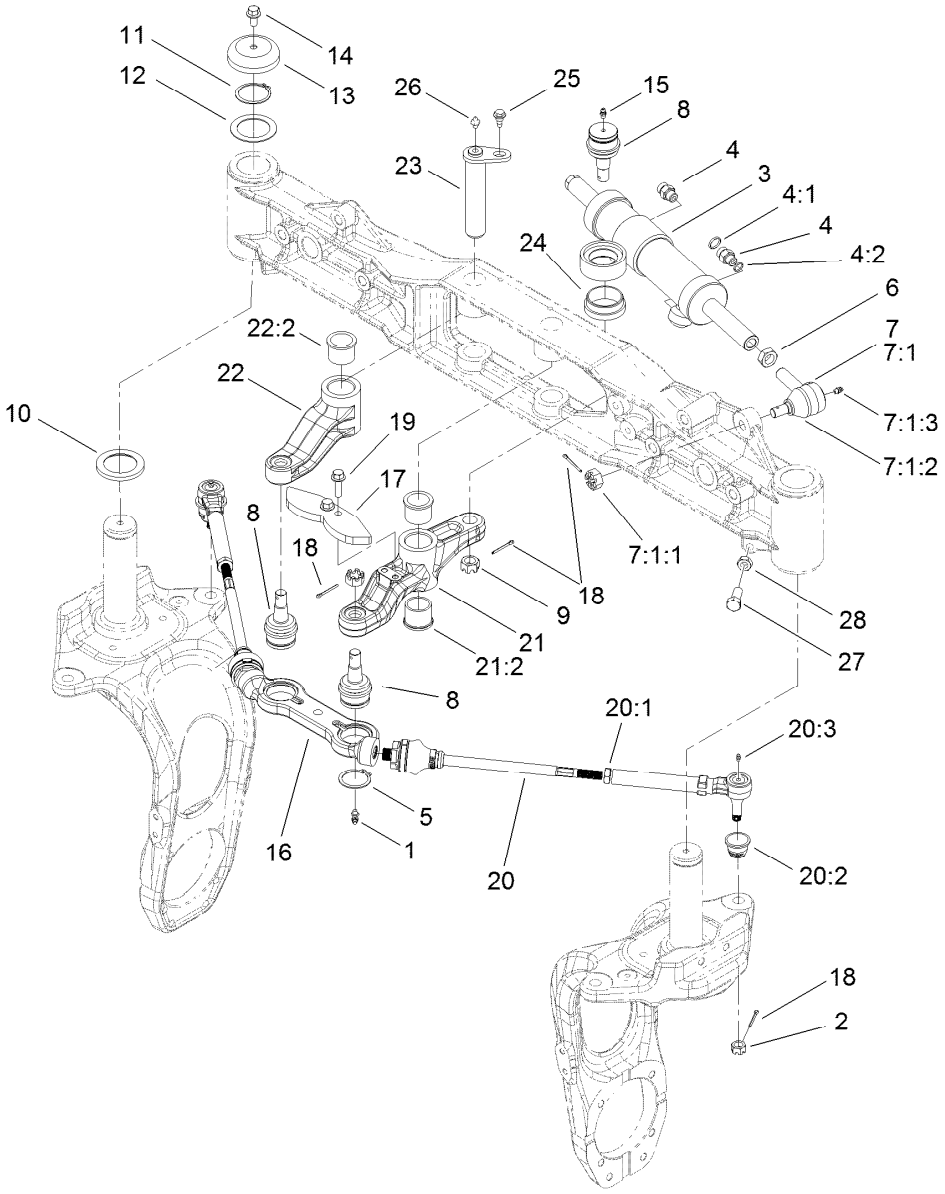


Rear Steering Assembly

Ref.	Part Number	Qty.	Description
1	302-60	2	Fitting-Grease
2	32136-3	2	Nut-SHH
3	115-0060	1	HYD Cylinder ASM
4	340-2	2	Fitting-HYD, Straight
4:1	237-22	1	O-Ring
4:2	237-42	1	O-Ring
5	32151-104	3	Ring-Retaining, External
6	84-5300	1	Nut-Jam
7	71-4740-03	1	End-Rod, Tie
7:1		1	End-Rod, Tie (RH) ●
7:1:1	105-7941	1	Nut-Hex, Slotted
7:1:2	105-7835	1	Seal
7:1:3	302-5	1	Fitting-Grease
8	106-6774	3	Joint-Ball
9	32136-2	3	Nut-SHH
10	100-2508	2	Washer-Thrust
11	100-4196	2	Ring-Retaining
12	115-0169	2	Washer-Thrust

Ref.	Part Number	Qty.	Description
13	100-3362	2	Cap-Spindle
14	3234-12	2	Screw-HHF
15	302-5	1	Fitting-Grease
16	117-2986	1	Centerlink
17	117-3376-03	1	Plate-Cam, Pittman
18	3272-12	6	Pin-Cotter
19	3234-24	2	Screw-HHF
20	117-2984	2	Rod-Tie, Rear
20:1	42-9650	1	Nut-Hex, Jam
20:2	117-3287	1	Dust Boot
20:3	302-5	1	Fitting-Grease
21	120-0393	1	Rear LH Arm ASM
21:2	94-8947	2	Bushing-Flange
22	120-0392	1	Rear RH Arm ASM
22:2	94-8947	2	Bushing-Flange
23	117-3137	2	Pin ASM
24	120-0238	1	Spacer-Cylinder
25	99-5105	2	Bolt-Shoulder

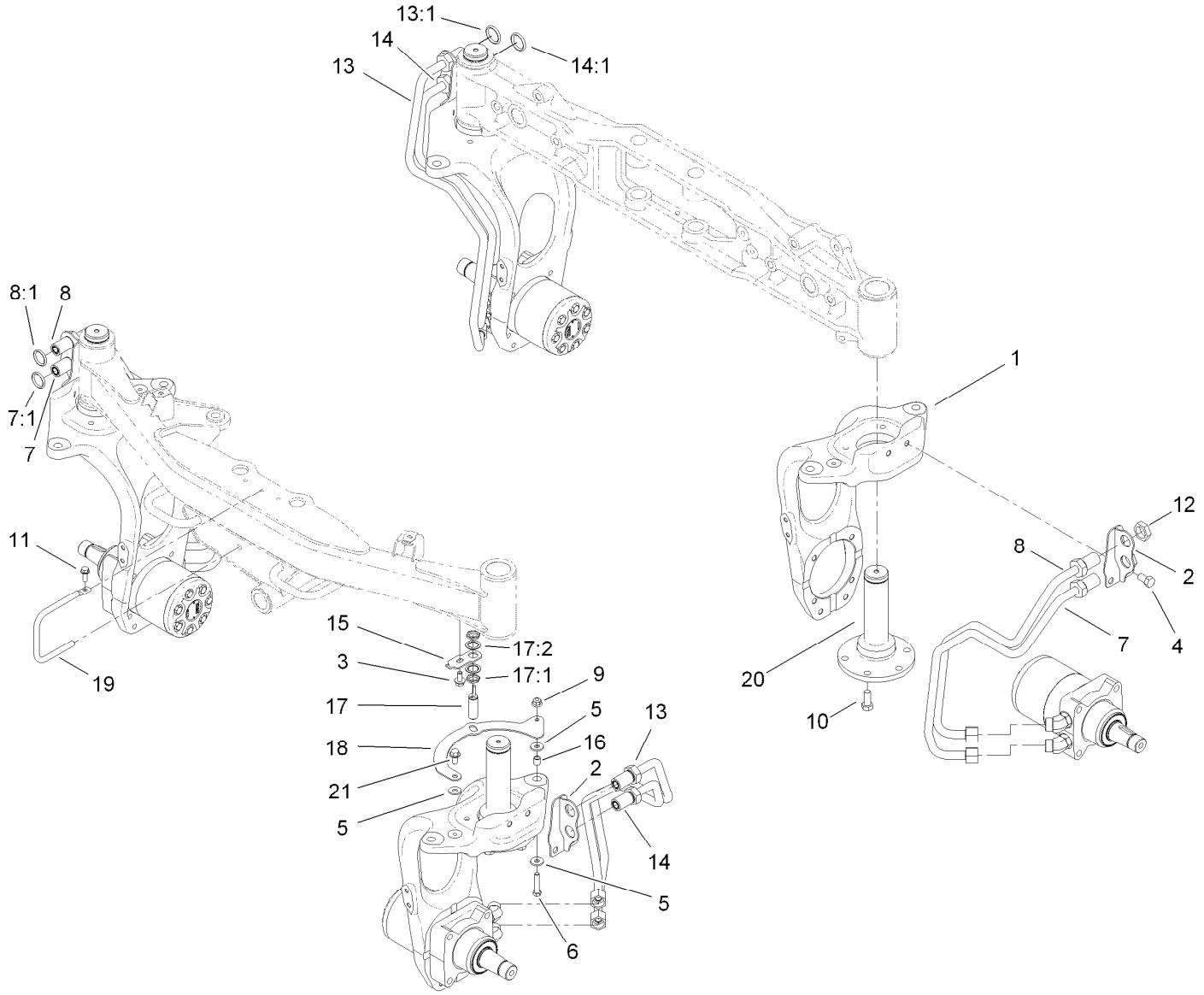
● Not serviced separately



Rear Steering Assembly (continued)

Ref.	Part Number	Qty.	Description
26	302-2	2	Fitting-Grease
27	325-6	2	Screw-HH
28	3218-5	2	Nut-Jam

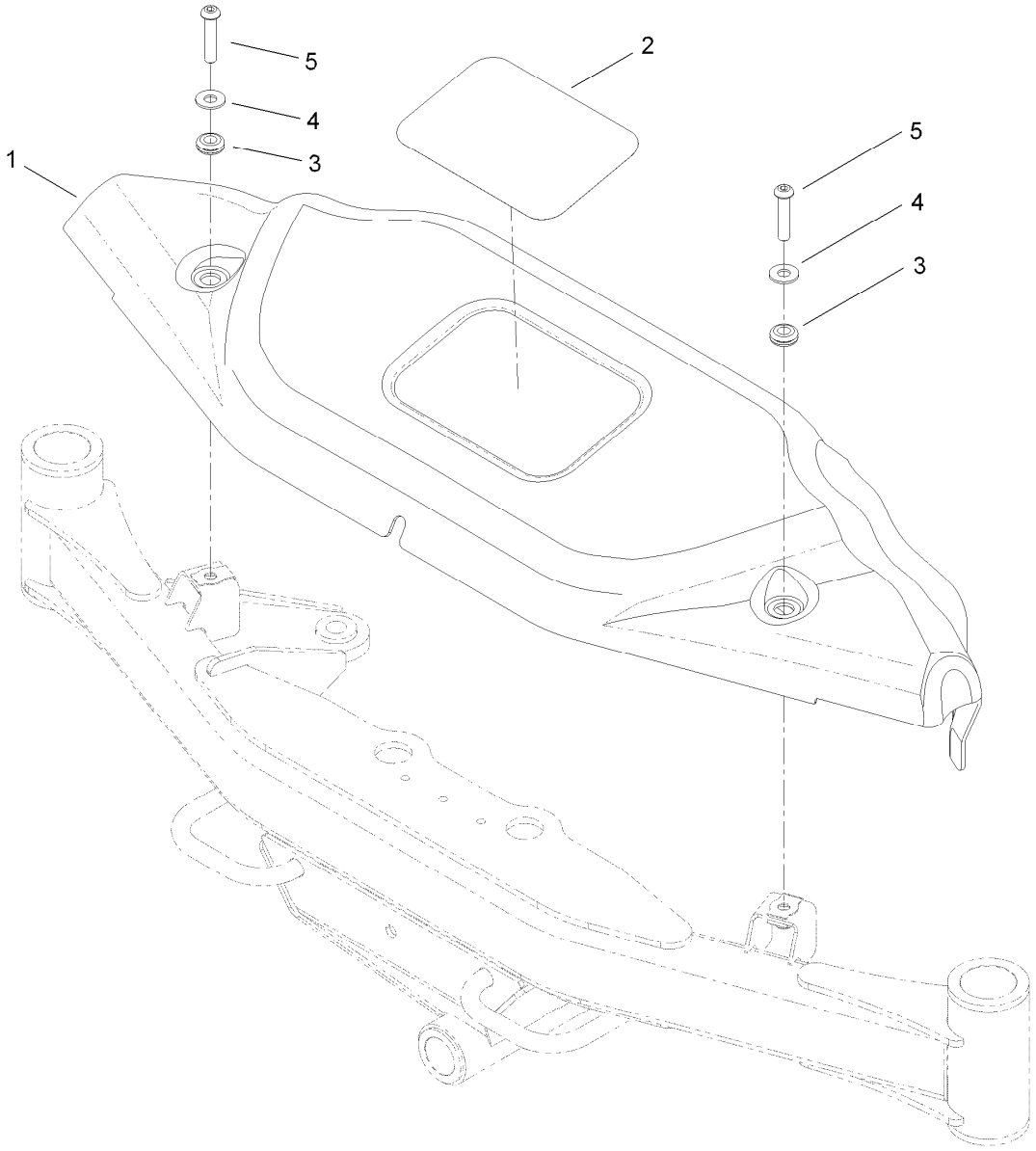
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4 Wheel Drive Steering Assembly

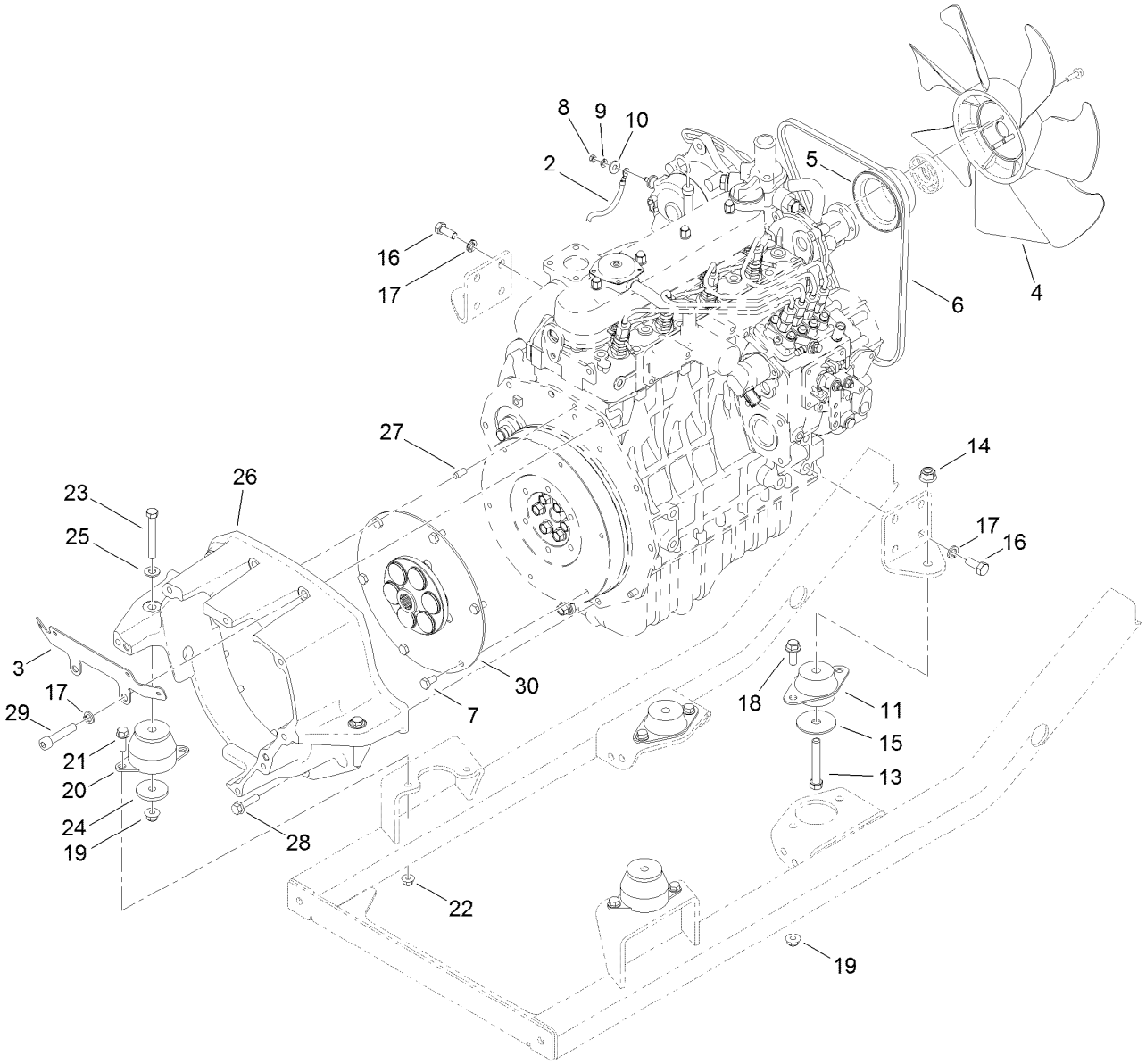
Ref.	*Part Number*	*Qty.*	*Description*
1	117-2951	4	Base-Fork, Steer
2	119-1410-03	4	Bulkhead Bracket ASM
3	110-9380	1	Screw-HWH
4	325-3	8	Screw-HH
5	5-0838	3	Washer
6	32128-21	1	Nut-HF
7	117-2948	2	Upper Tube ASM (Lrrf)
7:1	237-65	1	O-Ring
8	117-2949	2	Lower Tube ASM (Lrrf)
8:1	237-65	1	O-Ring
9	323-8	1	Screw-HH
10	117-3266	20	Screw-HH
11	32144-41	1	Screw-Taptite
12	340-74	8	Nut-Lock, Bulkhead

Ref.	*Part Number*	*Qty.*	*Description*
13	117-2946	2	Upper Tube ASM (Rrlf)
13:1	237-65	1	O-Ring
14	117-2947	2	Lower Tube ASM (Rrlf)
14:1	237-65	1	O-Ring
15	119-1413	1	Bracket-Sensor
16	103-1166	1	Spacer-Tube, Pump Link
17	115-5300	1	Proximity Switch ASM
17:1	117-3207	2	Nut-Hex
17:2	117-3208	2	Washer-Lock, Int Tooth
18	117-2216-03	1	Bracket-Target
19	117-3178	1	Rod-Guide
20	117-3361	4	Spindle-Steer
21	3234-47	1	Screw-HHF



Front Cover Assembly

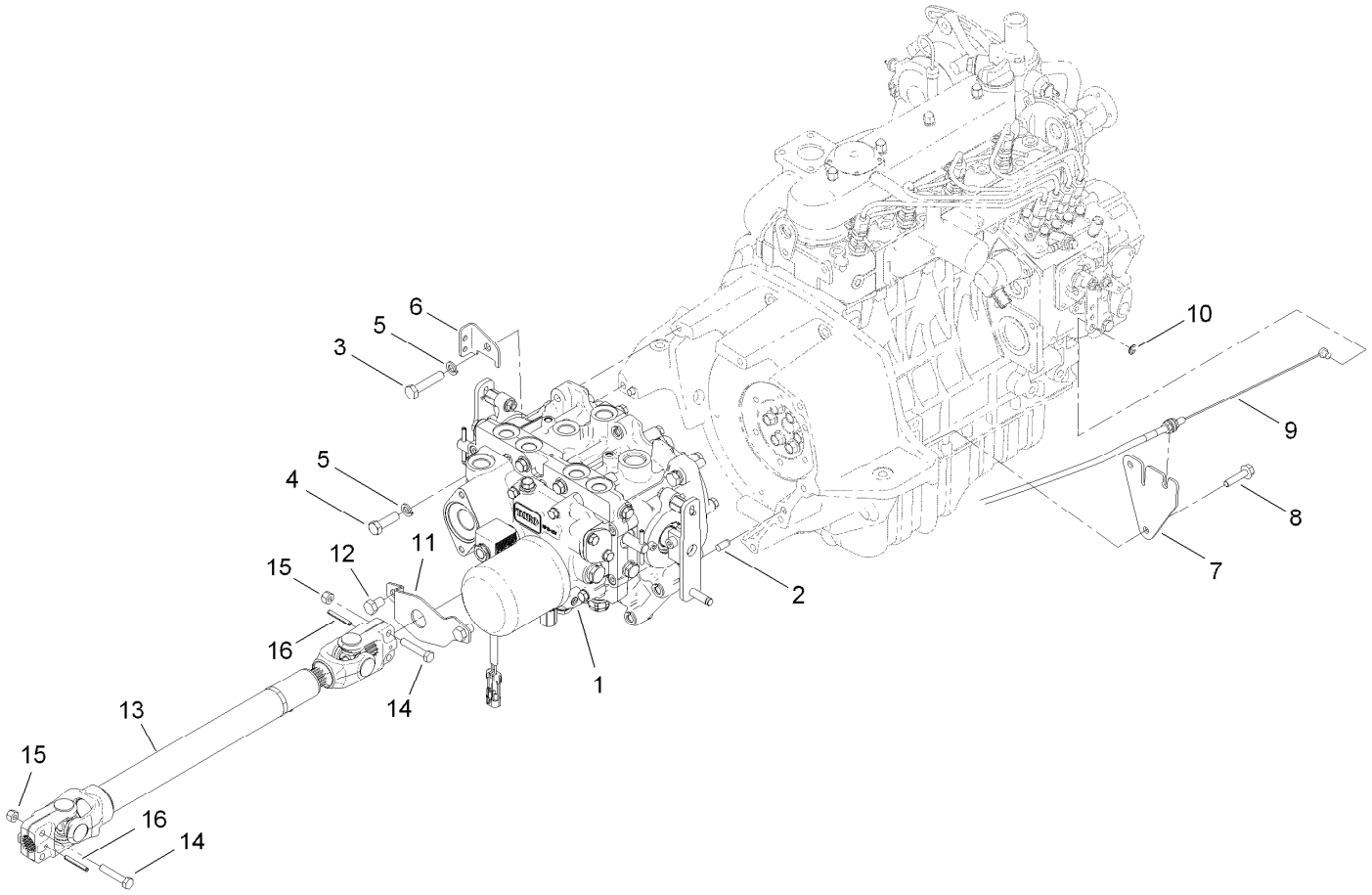
Ref.	*Part Number*	*Qty.*	*Description*
1	119-9895	1	Cover-Front
2	104-7213	1	Decal
3	1-633630	2	Grommet
4	100-7403	2	Washer-Flat
5	95-3857	2	Screw-HSBH



Engine Component Assembly

Ref.	Part Number	Qty.	Description
2	100-5552	1	Harness-Wire
3	117-3173-03	1	Support-Cable
4	107-9096	1	Fan-Cooling
5	99-3453	1	Pulley-Fan
6	115-0123	1	V-Belt
7	99-5132	6	Bolt
8	33013-00	1	Nut-Hex
9	43-5930	1	Washer-Lock, Spring
10	3256-2	1	Washer-Flat
11	53-9681	2	Mount-Engine
13	324-11	2	Screw-HH
14	114-8417	2	Nut-HF, NI
15	87-5100	2	Washer-Snubbing
16	43-0090	8	Screw-HH

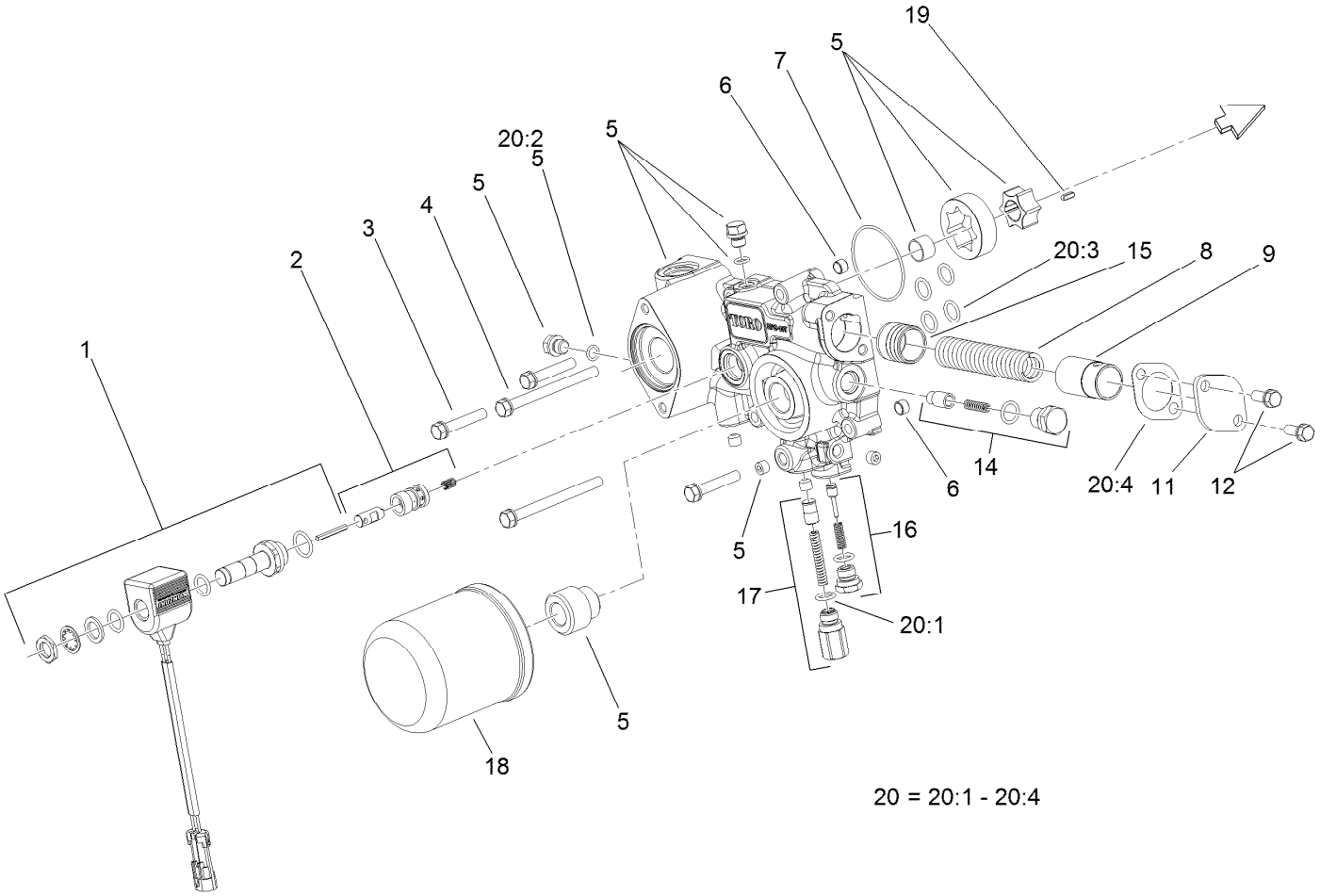
Ref.	Part Number	Qty.	Description
17	48-9590	10	Washer-Lock
18	3234-42	4	Screw-HHF
19	104-8301	6	Nut-Flange, NI
20	107-2289	2	Mount-Motor
21	3234-17	4	Screw-HHF
22	104-8300	4	Nut-Flange, NI
23	323-13	2	Screw-HH
24	80-8560	2	Washer-Hardened
25	3256-24	2	Washer-Flat
26	108-5193	1	Housing-Flywheel
27	87-1910	2	Pin-Dowel
28	33104-035	6	Screw-HHF
29	3274-106	2	Screw-HSH
30	110-9729	1	Flywheel Coupling ASM



Transmission Component Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	120-9140	1	Transmisson ASM
2	87-1910	2	Pin-Dowel
3	33115-050	6	Screw-HH
4	33115-035	1	Screw-HH
5	48-9590	7	Washer-Lock
6	120-0239	1	Support-Tube
7	114-4060	1	Bracket-Throttle
8	33104-035	2	Screw-HHF

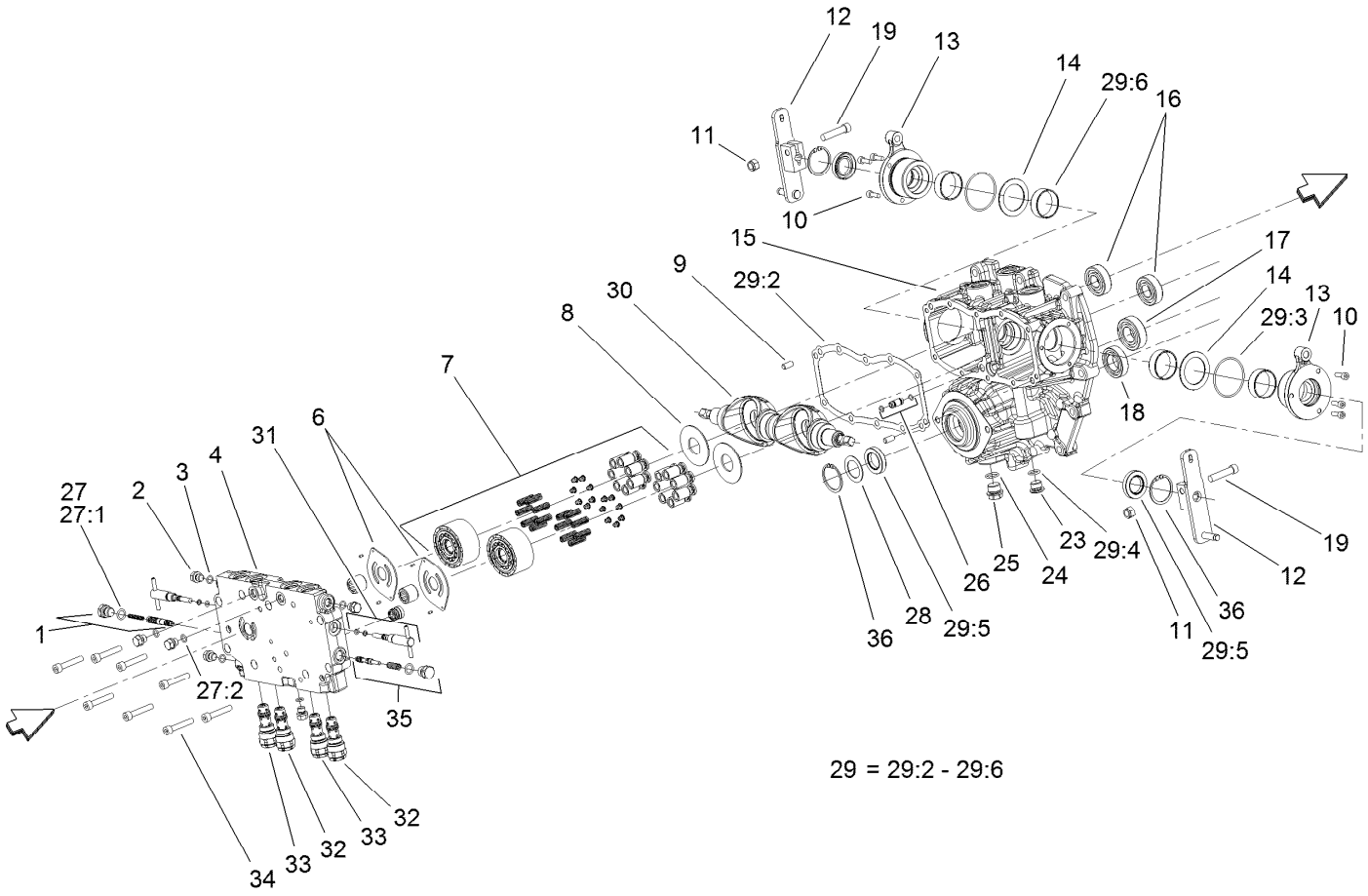
Ref.	*Part Number*	*Qty.*	*Description*
9	115-0339	1	Cable-Throttle/Choke
10	701197	1	E-Ring
11	114-4088	1	Shield-Seal
12	33115-016	2	Screw-HH
13	110-3575	1	Driveshaft ASM
14	322-9	4	Screw-HH
15	3296-29	4	Nut-Lock, NI
16	32121-34	2	Pin-Roll



Charge Pump Housing Assembly
Transmission Assembly No. 120-9140

Ref.	*Part Number*	*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

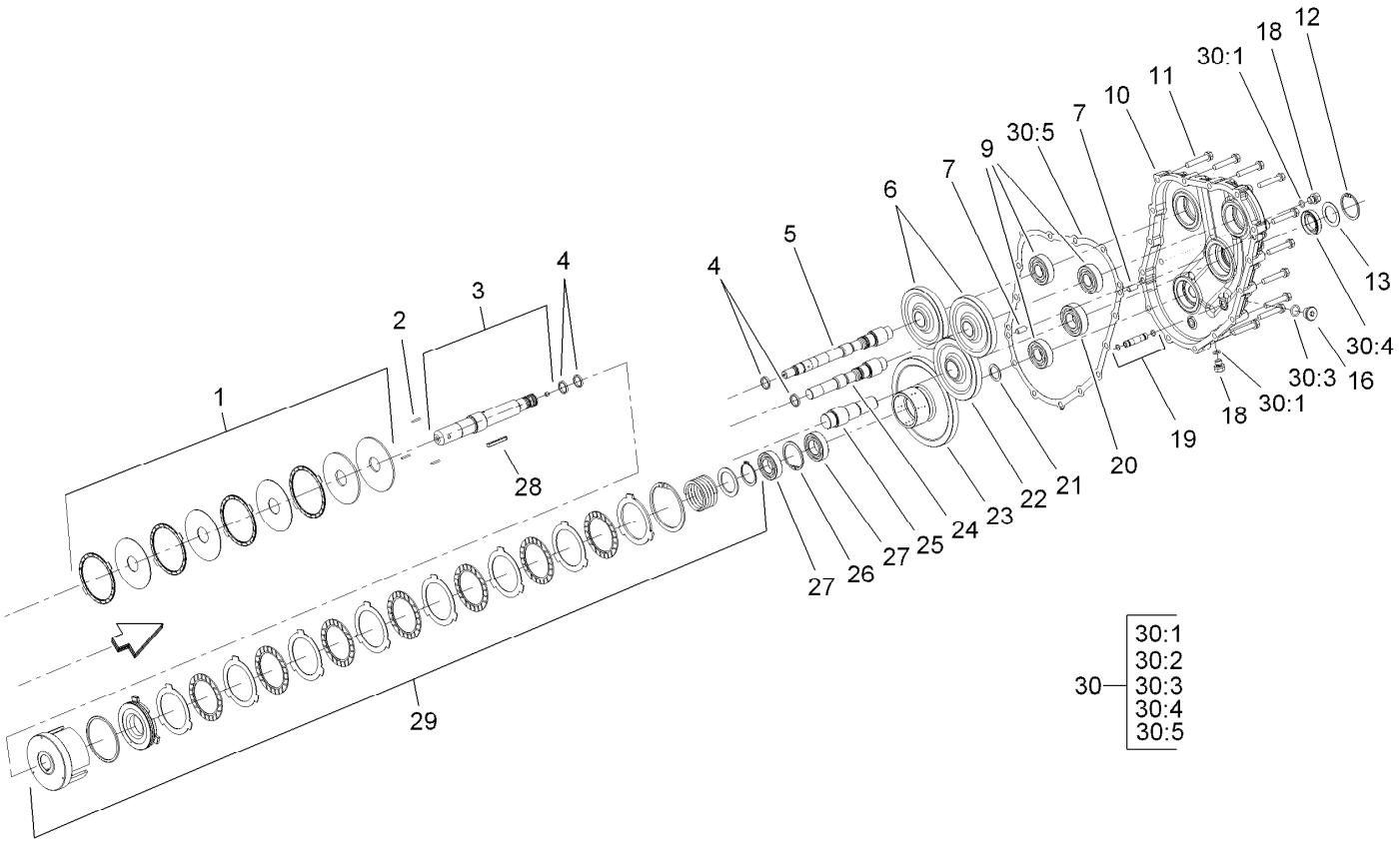
Ref.	*Part Number*	*Qty.*	*Description*
14	107-0843	1	Filter Bypass Valve ASM
15	107-0818	1	Piston
16	120-5153	1	Charge Relief Valve ASM
17	107-0841	1	Pressure Valve ASM
18	108-5194	1	Filter-Oil, HYD
19	107-0865	1	Key
20	107-0855	1	Charge Pump Seal Kit
20:1	93-0418	2	O-Ring
20:2	107-0817	2	O Ring-Plug
20:3	104-3298	6	Packing
20:4	107-0847	1	Gasket



Center Section Assembly
Transmission Assembly No. 120-9140

Ref.	Part Number	Qty.	Description
1	107-0807	1	Valve-Flushing, RH
2	107-0857	6	Plug
3	107-0817	6	O Ring-Plug
4	120-5150	1	Center Case ASM
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	120-6681	2	U-Nut
12	120-6680	2	Arm-Control
13	107-0832	2	Side Cover ASM
14	107-0829	2	Washer
15	120-5151	1	Pump Housing ASM
16	107-0826	2	Bearing
17	107-0821	1	Bearing
18	107-0838	1	Bearing
19	120-6682	2	Bolt (10 X 40)
23	107-0861	1	Plug-NPTF
24	107-0862	1	O-Ring

Ref.	Part Number	Qty.	Description
25	107-0867	1	Plug
26	107-0812	1	Pipe
27	107-0852	1	Center Case Seal Kit
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	120-6679	2	Plate-Swash
31	107-0808	2	Valve-Bypass
32	120-6754	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

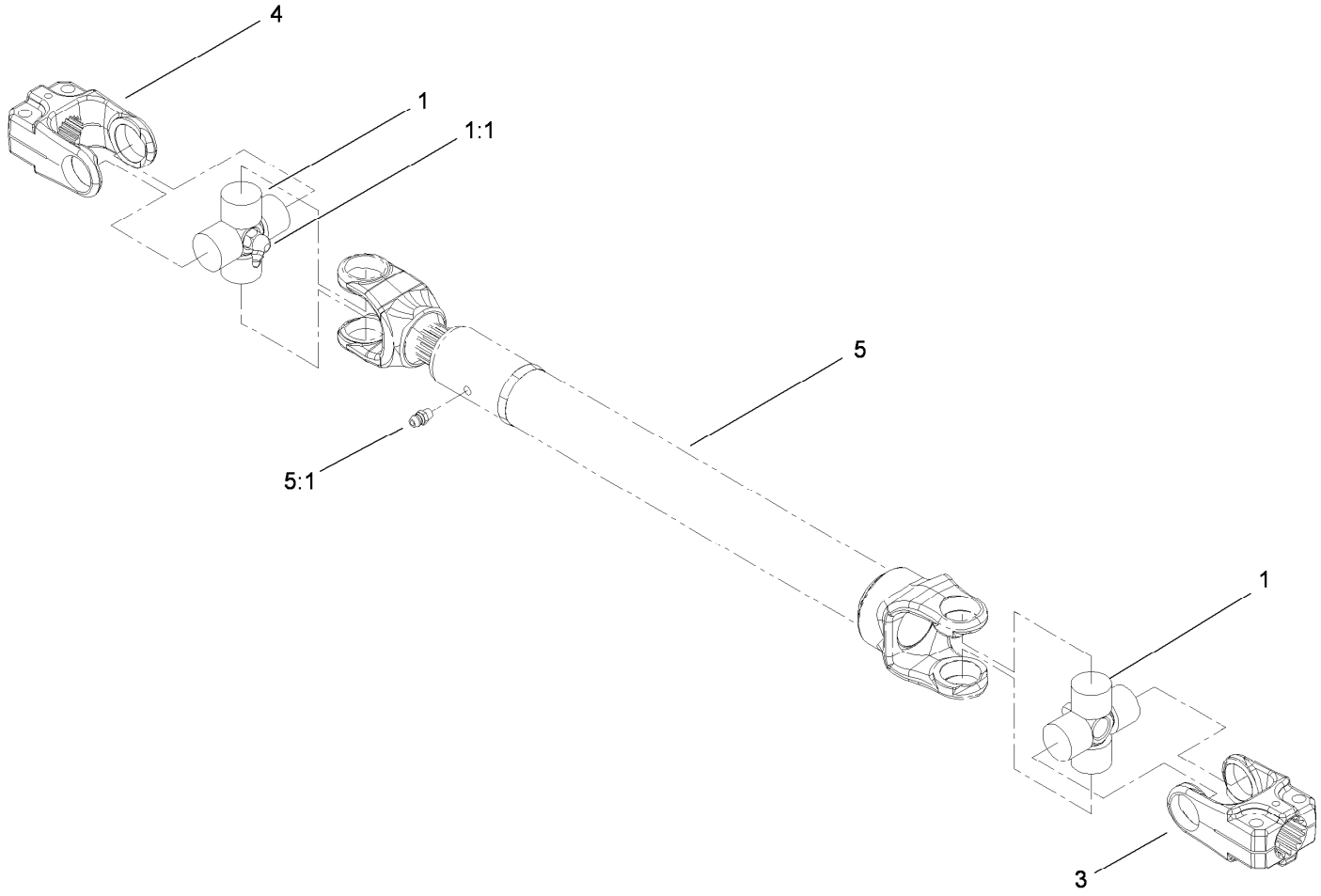


Gear Case and Clutch Assembly
Transmission Assembly No. 120-9140

Ref.	*Part Number*	*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	120-5152	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

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

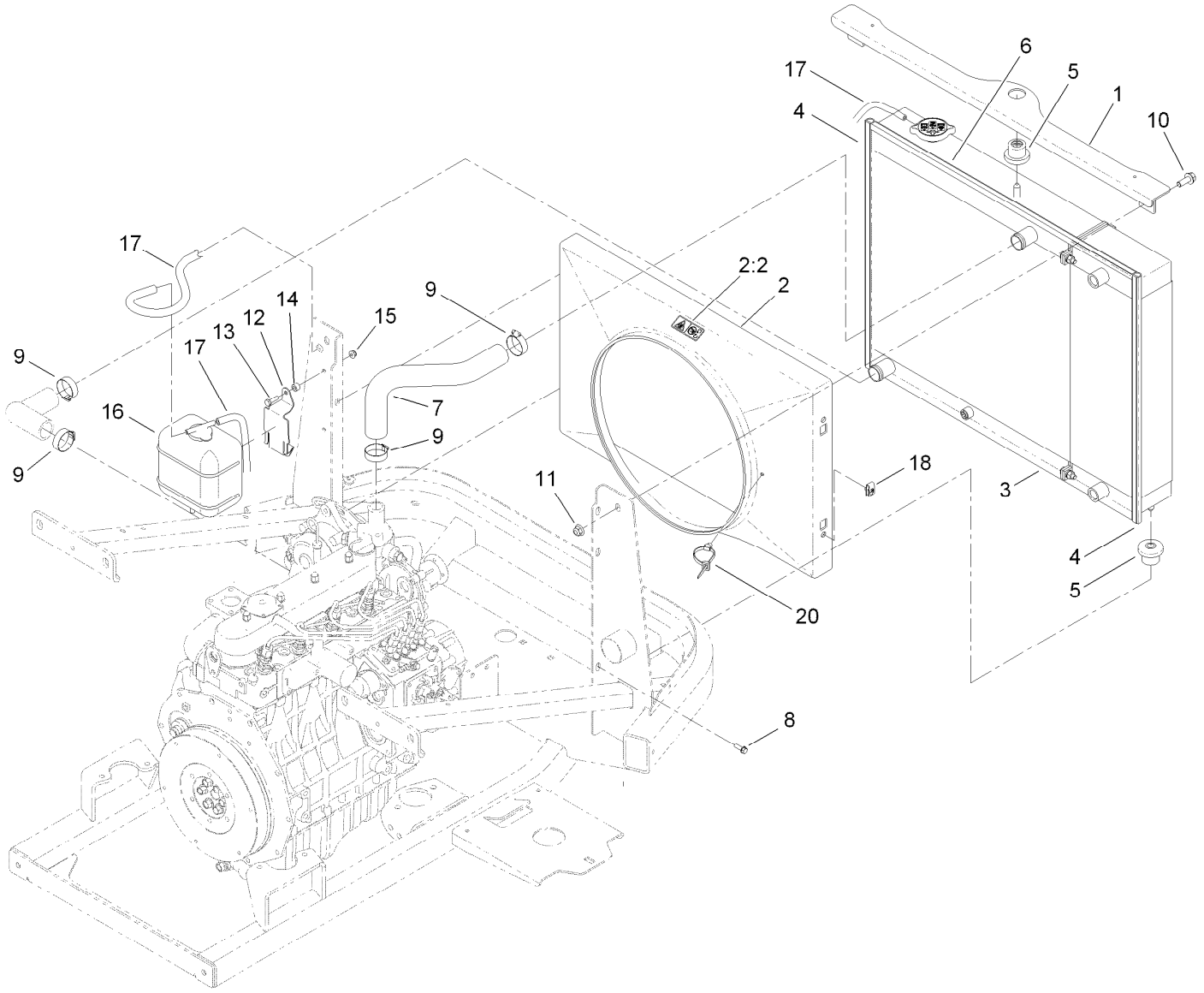
● Not serviced separately



Driveshaft Assembly No. 110-3575

Ref.	*Part Number*	*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
5		1	Tube-Yoke, Slip ●
5:1	302-22	1	Fitting-Grease

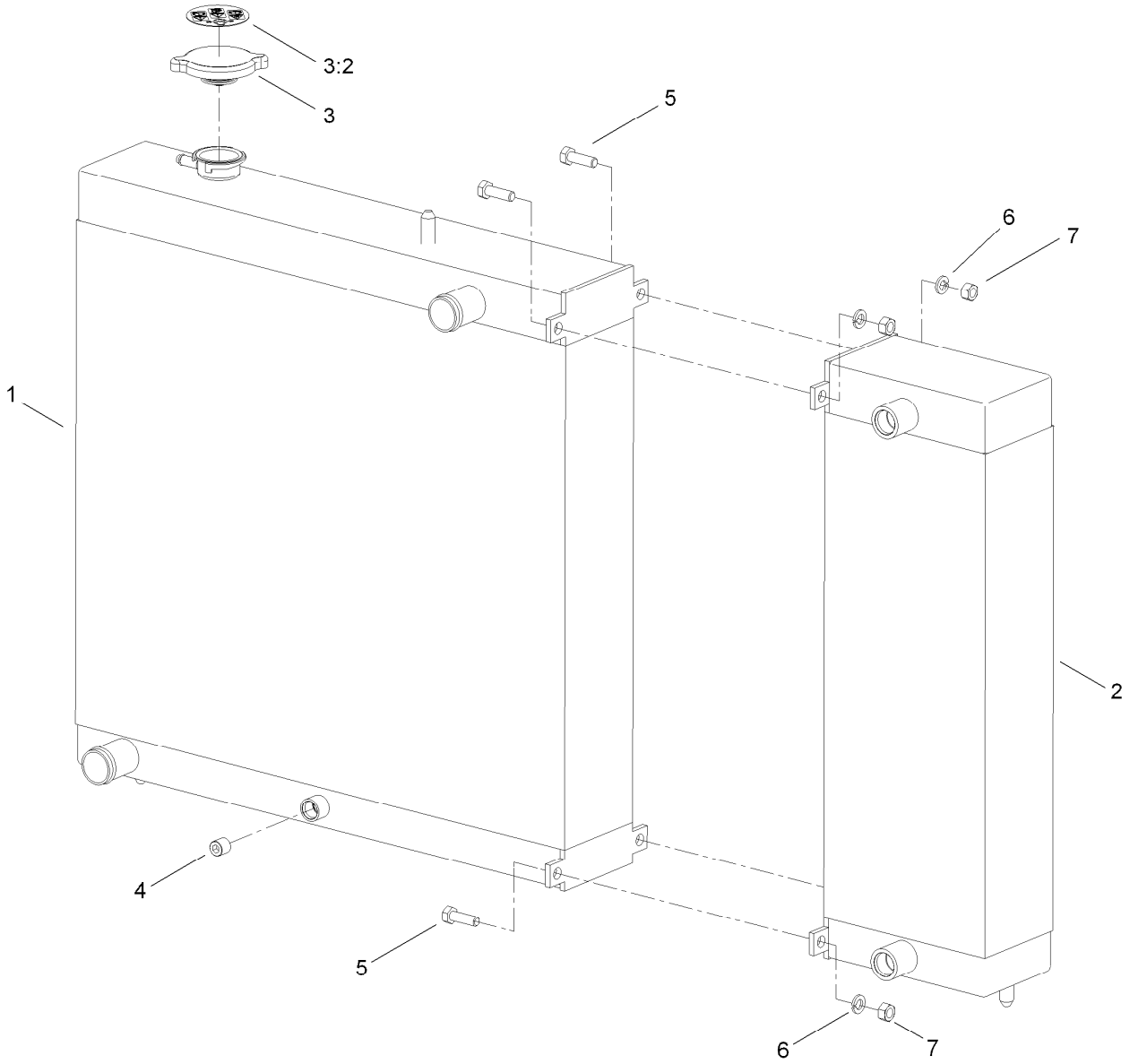
● Not serviced separately



Radiator Component Assembly

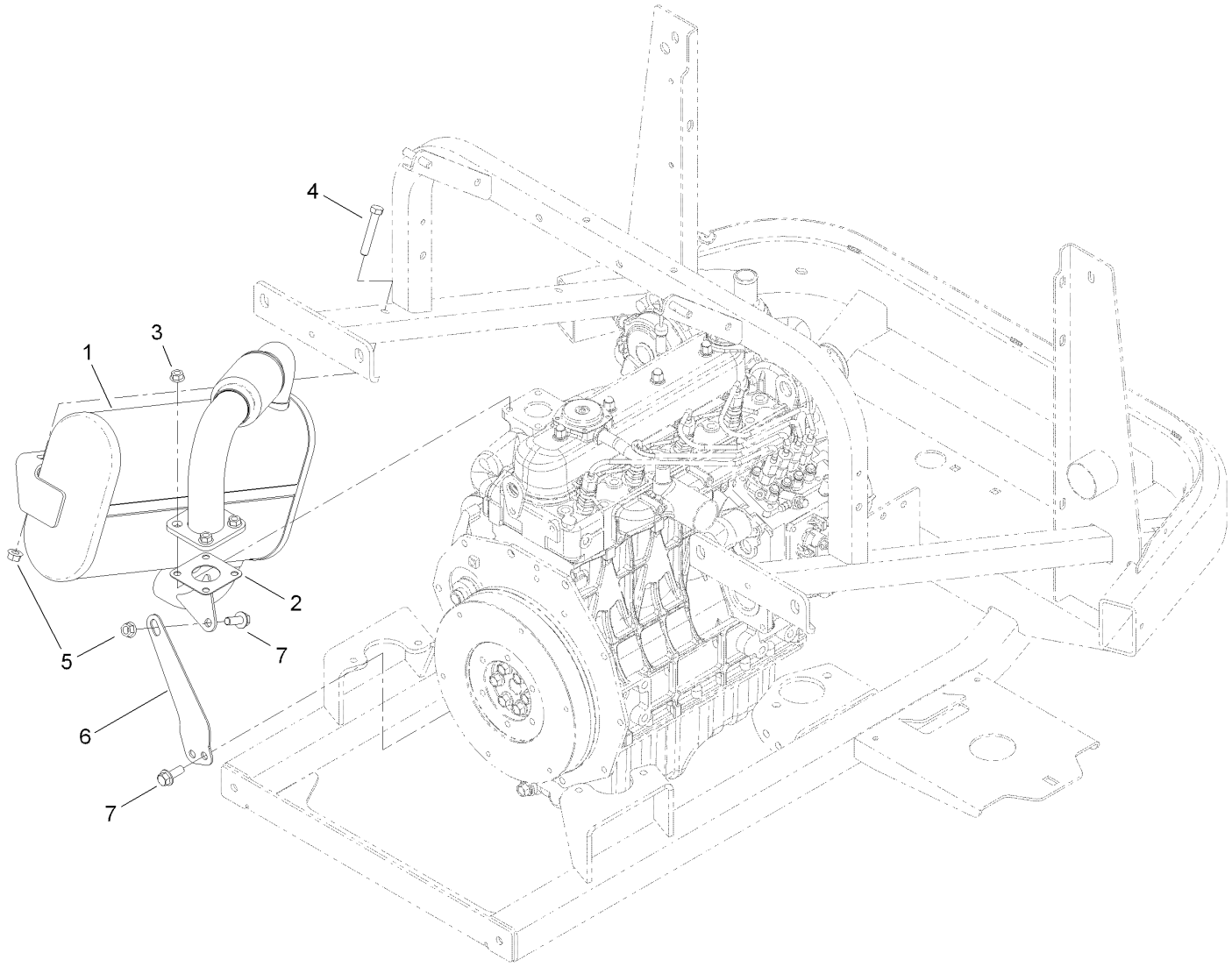
Ref.	Part Number	Qty.	Description
1	119-1423-03	1	Radiator Support ASM
2	117-3268	1	Shroud Fan ASM
2:2	117-4766	1	Decal-Warning, Fan
3		1	Radiator And Cooler ASM ●
4	119-1426	2	Seal-Bulb
5	119-1422	3	Mount-Isolator
6	119-1427	2	Seal-Bulb
7	115-0330	1	Hose-Radiator, Upper
8	32105-15	4	Screw
9	2412-34	4	Clamp-Hose
10	3234-42	2	Screw-HHF
11	104-8301	2	Nut-Flange, NI
12	108-9930-03	1	Bracket-Bottle
13	321-5	2	Screw-HH
14	98-4799	2	Tube-Spacer
15	104-7201	2	Nut-HF
16	104-9318	1	Overflow Bottle ASM
17	108-3284	2	Hose-Fuel
18	107069	4	Clip
20	32180-030	1	Clip-Harness

● Not serviced separately



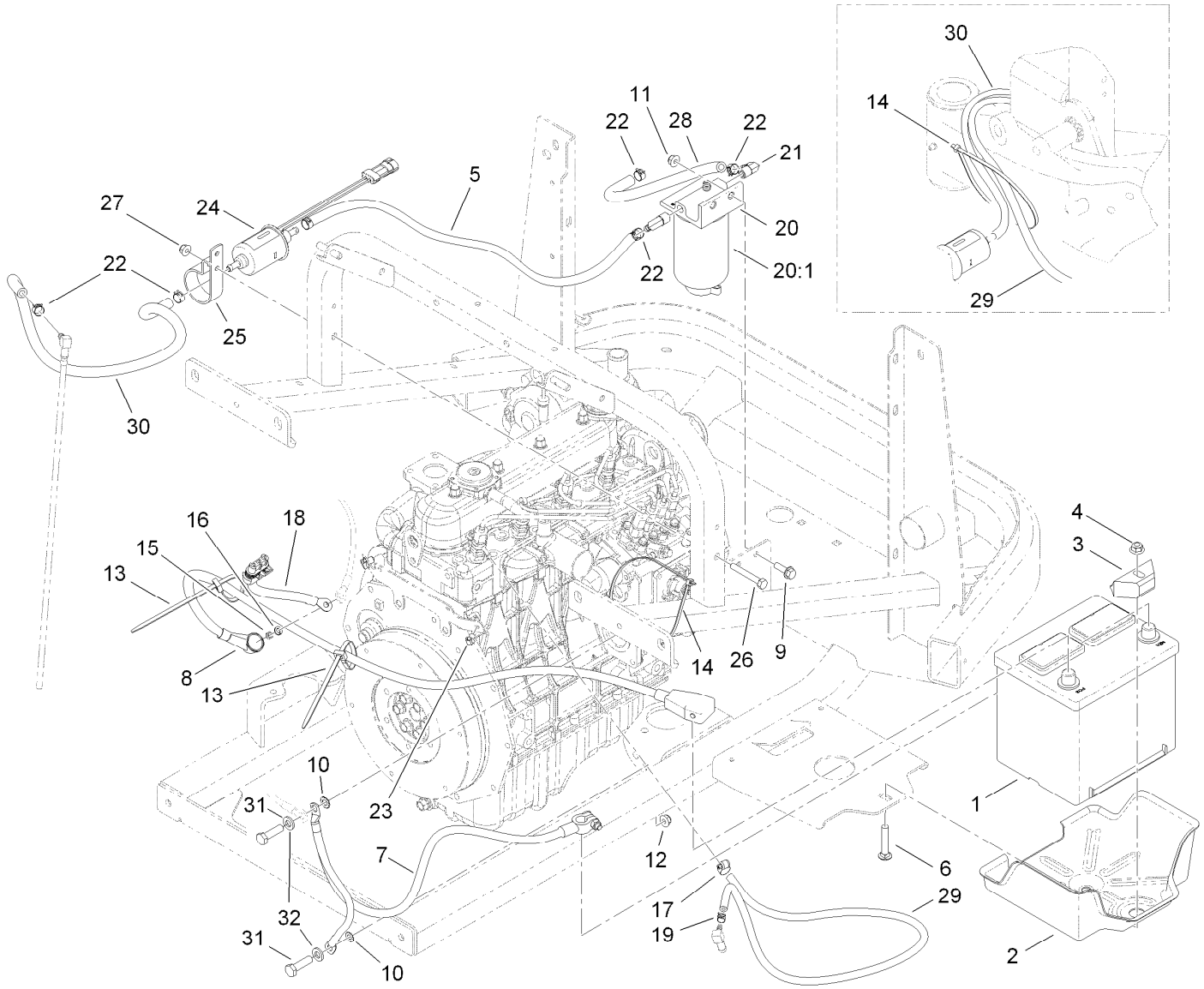
Radiator and Cooler Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	115-0050	1	Radiator
2	115-0051	1	Cooler
3	119-1430	1	Radiator Cap ASM
3:2	117-3276	1	Decal-Danger, Radiator Cap
4	99-8551	1	Plug-Pipe
5	322-5	4	Screw-HH
6	3253-4	4	Washer-Lock
7	3217-6	4	Nut-Hex



Muffler Assembly

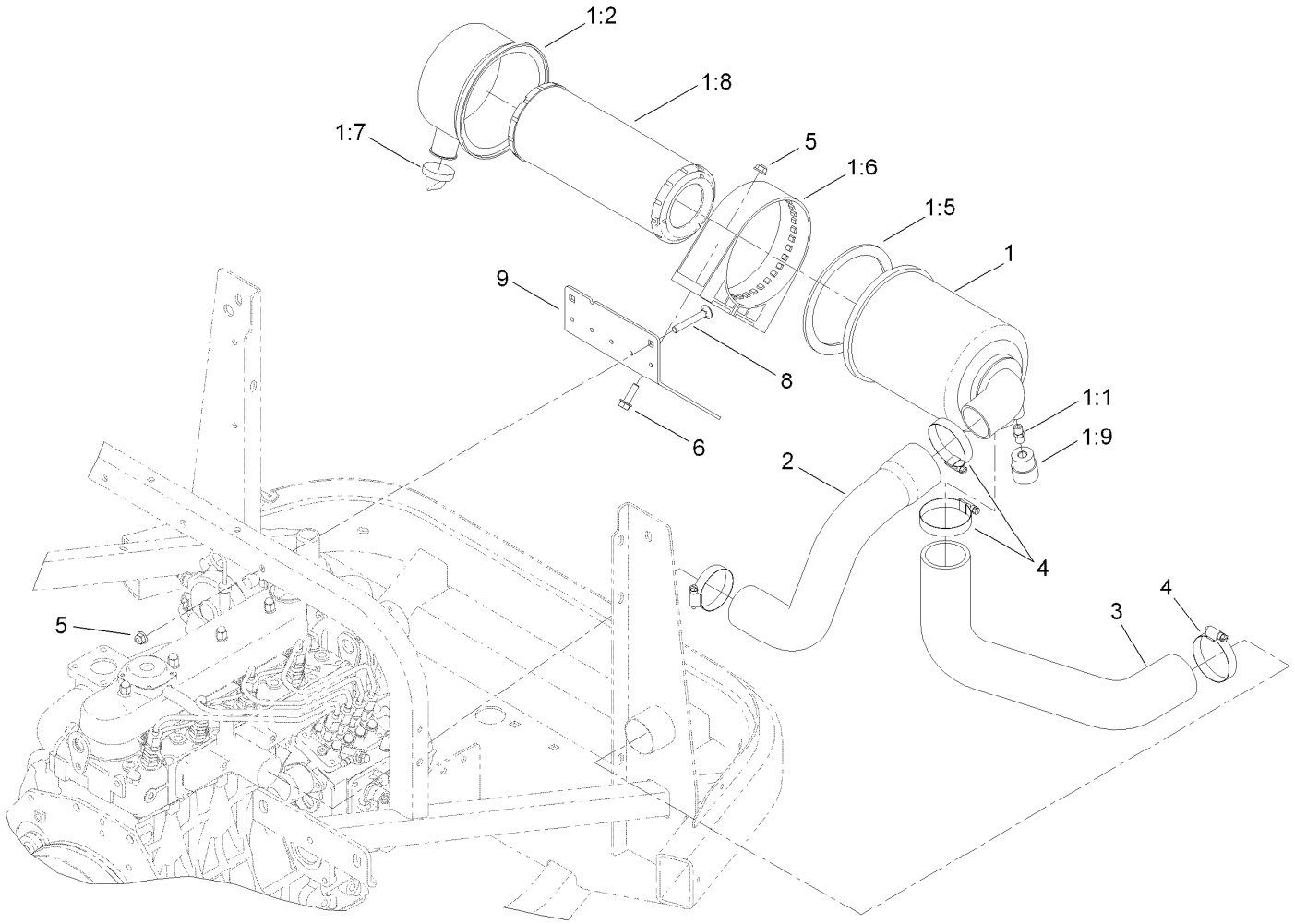
Ref.	*Part Number*	*Qty.*	*Description*
1	115-0419	1	Muffler
2	98-9611	1	Gasket
3	33004-00	4	Nut-HF
4	323-11	2	Screw-HH
5	32128-21	5	Nut-HF
6	117-3033-03	1	Support-Muffler
7	3234-42	3	Screw-HHF



Battery and Fuel Delivery Assembly

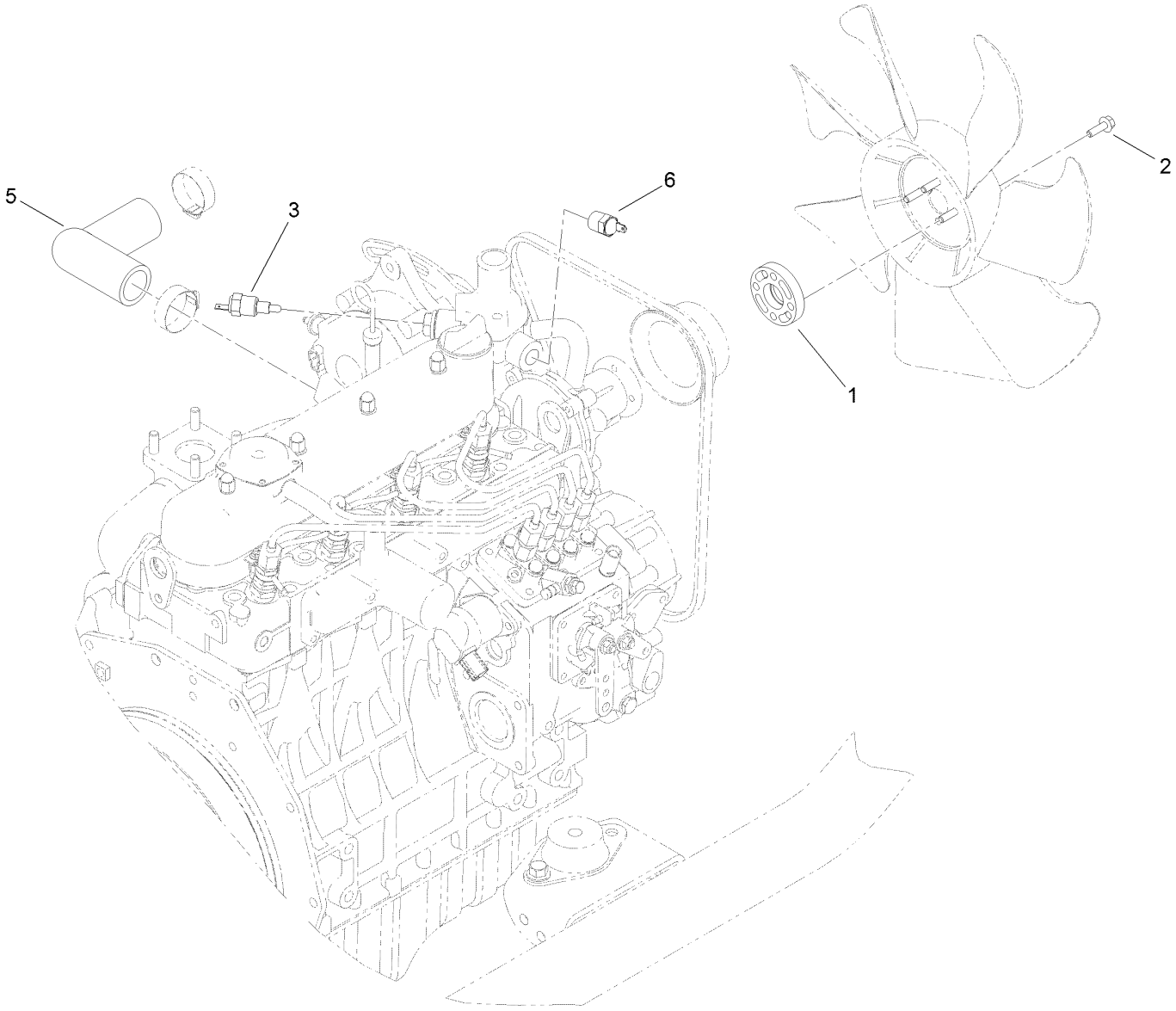
Ref.	Part Number	Qty.	Description
1	106-5187	1	Battery
2	117-3027	1	Tray-Battery
3	66-2490	1	Retainer-Battery
4	104-8301	1	Nut-Flange, NI
5	109-0274	1	Hose-Fuel
6	3231-6	1	Screw-CARR
7	105-0040	1	Cable-Battery, Negative
8	104-0086	1	Cable-Battery, Positive
9	3234-17	2	Screw-HHF
10	3255-8	2	Washer-Lock
11	104-8300	2	Nut-Flange, NI
12	32128-25	2	Nut-HF
13	3290-378	2	Tie-Cable
14	3290-379	1	Tie-Cable
15	33014-00	1	Nut-Hex
16	3253-4	1	Washer-Lock
17	2412-108	1	Clamp-Worm

Ref.	Part Number	Qty.	Description
18	99-3441	1	Harness-Wire, Fusible Link
19	2412-80	1	Clamp-Hose
20	110-9044	1	Filter-Seperator
20:1	110-9049	1	Filter-Spin On
21	353-781	2	Fitting-Elbow
22	92-2379	6	Clamp-Hose
23	32180-030	2	Clip-Harness
24	110-8806	1	Pump-Fuel
25	110-8817	1	Bracket-Pump, Fuel
26	321-15	1	Screw-HH
27	104-7201	1	Nut-HF
28	110-4105	1	Hose-Fuel
29	110-3958	1	Hose-Fuel
30	110-3257	1	Hose-Fuel
31	322-6	2	Screw-HH
32	3256-23	2	Washer-Flat



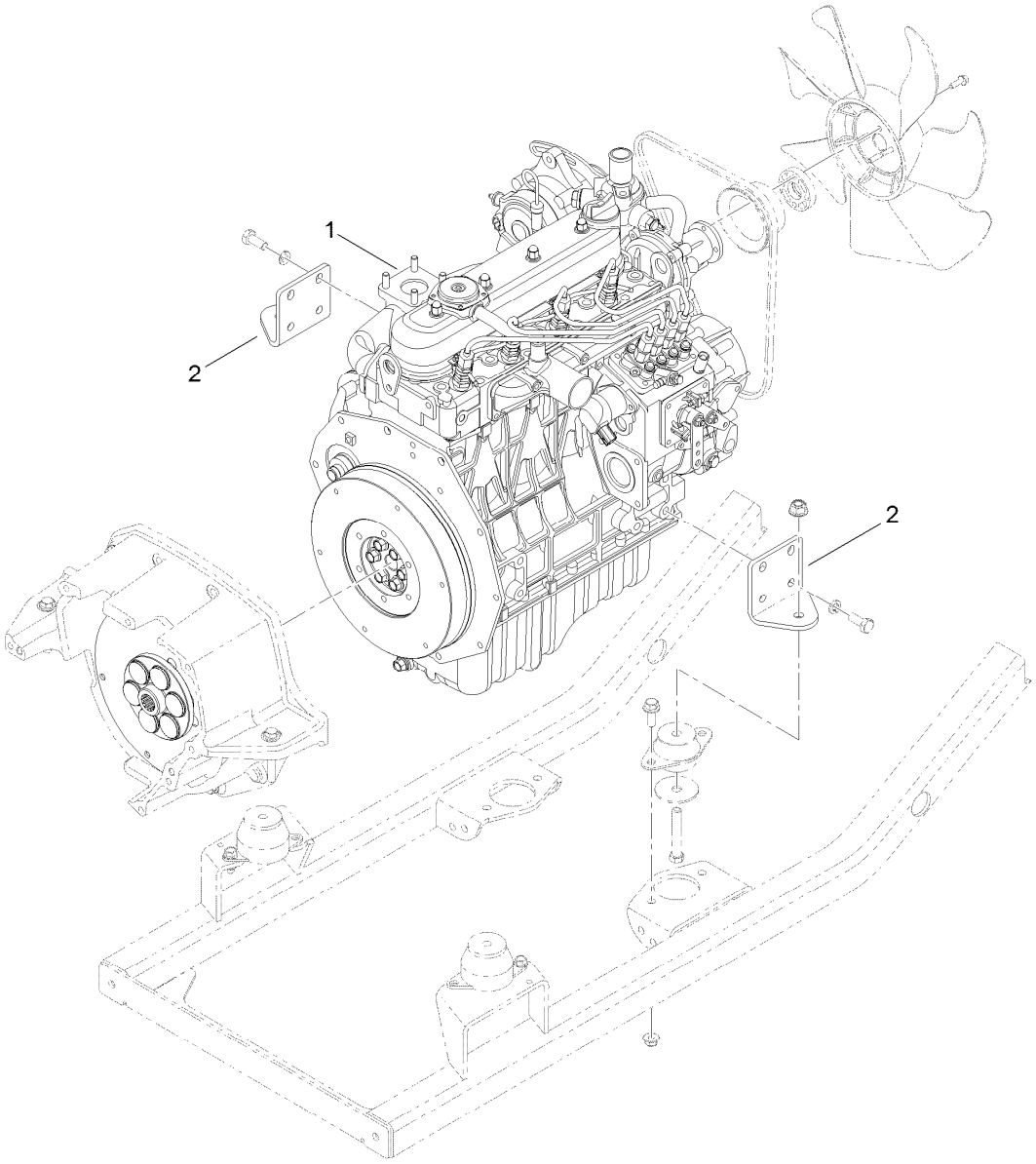
Air Cleaner Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	104-3428	1	Air Cleaner ASM
1:1	105-4292	1	Nipple-Pipe
1:2	104-0497	1	Cover ASM
1:5	104-4897	1	Gasket
1:6	98-4525	1	Bracket-Cleaner, Air
1:7	104-0498	1	Valve-Vacuator
1:8	108-3810	1	Filter-Air
1:9	93-9164	1	Indicator-Mini
2	117-3020	1	Hose-Air Intake, Engine
3	117-3021	1	Hose-Air Inlet
4	2412-130	4	Clamp-Hose
5	104-8300	4	Nut-Flange, NI
6	3234-17	2	Screw-HHF
8	3230-7	2	Screw-CARR
9	119-1350-03	1	Plate-Air Cleaner



Fan Spacer and Thermoswitch Assembly

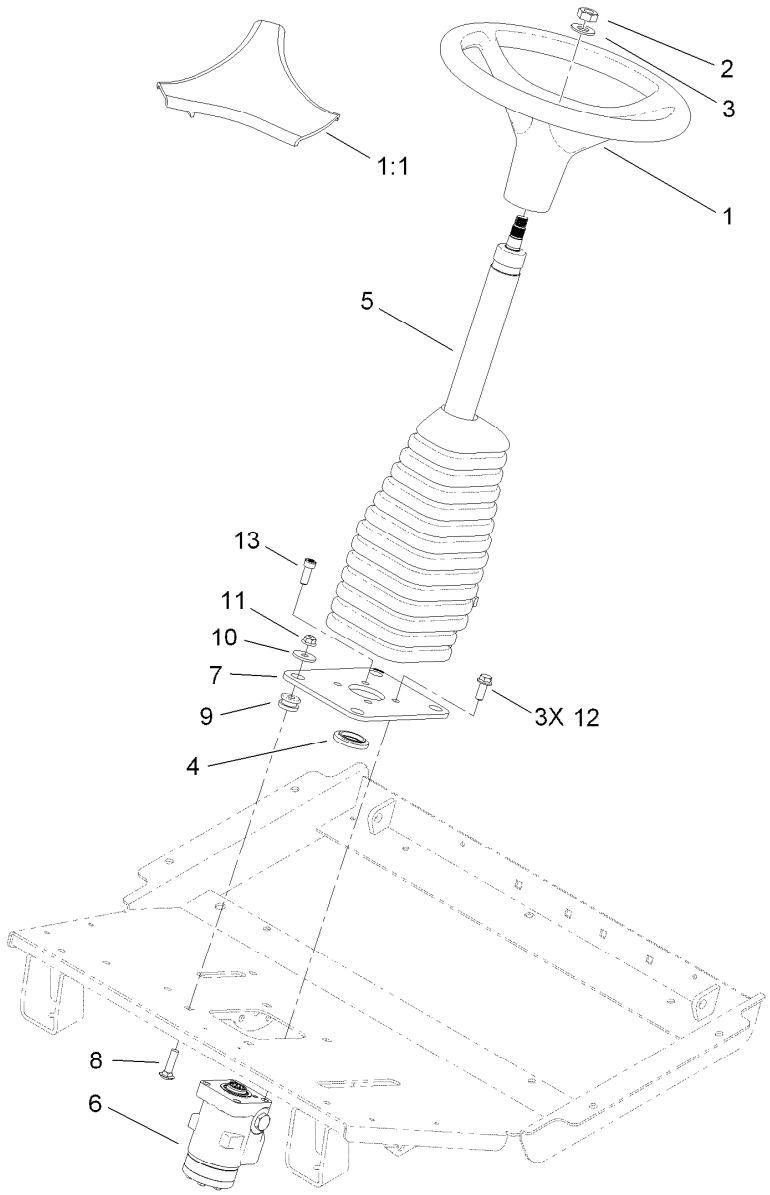
Ref.	*Part Number*	*Qty.*	*Description*
1	104-4247	1	Spacer-Fan
2	33103-020	4	Screw-HHF
3	98-9719	1	Thermoswitch
5	115-0331	1	Hose-Radiator, Lower
6	112-0183	1	Switch-Thermometer



Engine Assembly

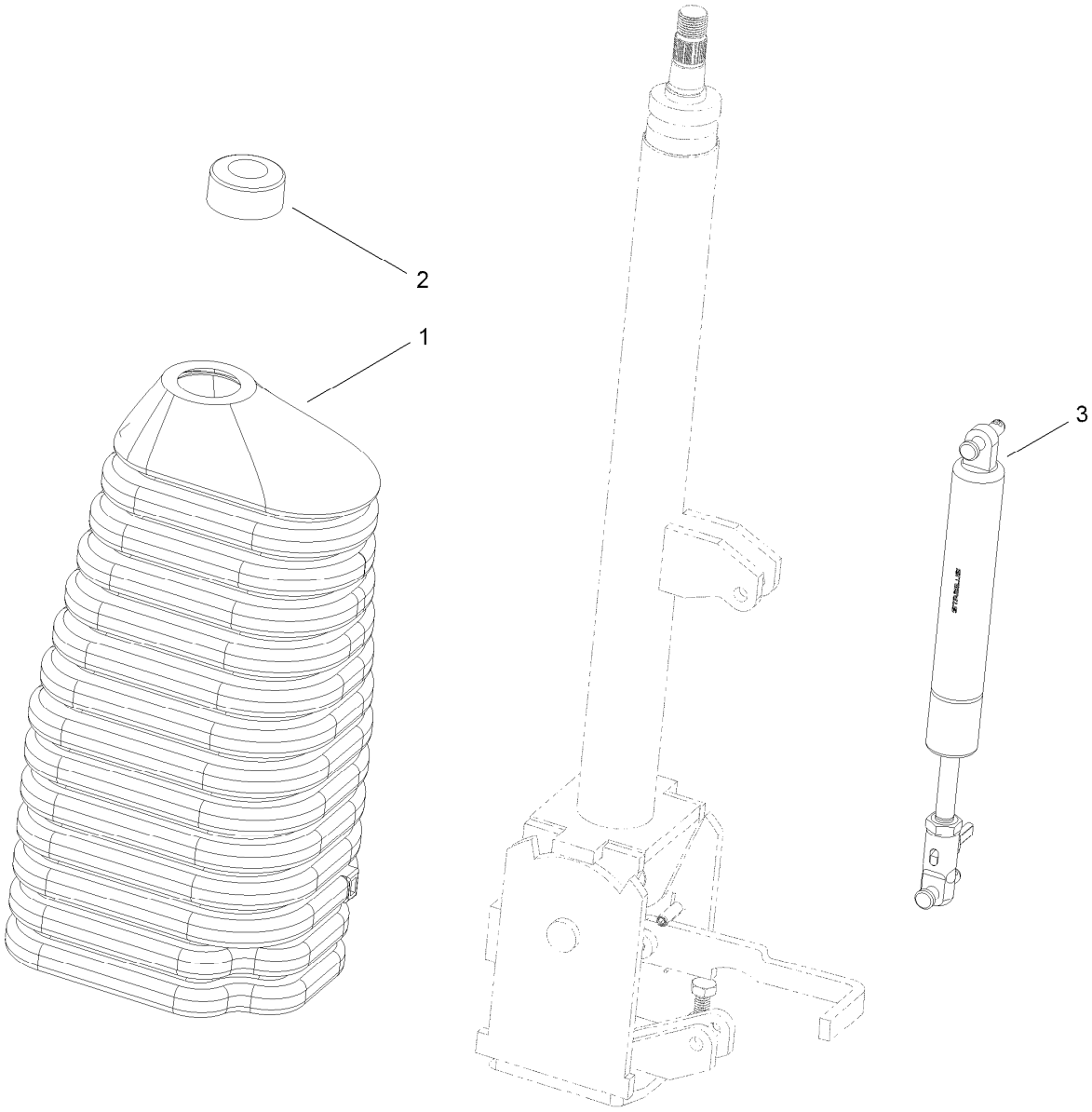
Ref.	*Part Number*	*Qty.*	*Description*
1		1	Engine-Kubota, V1505-E3B-Toro-3 ●
2	115-0059-03	2	Plate-Mount, Motor

● Not serviced separately



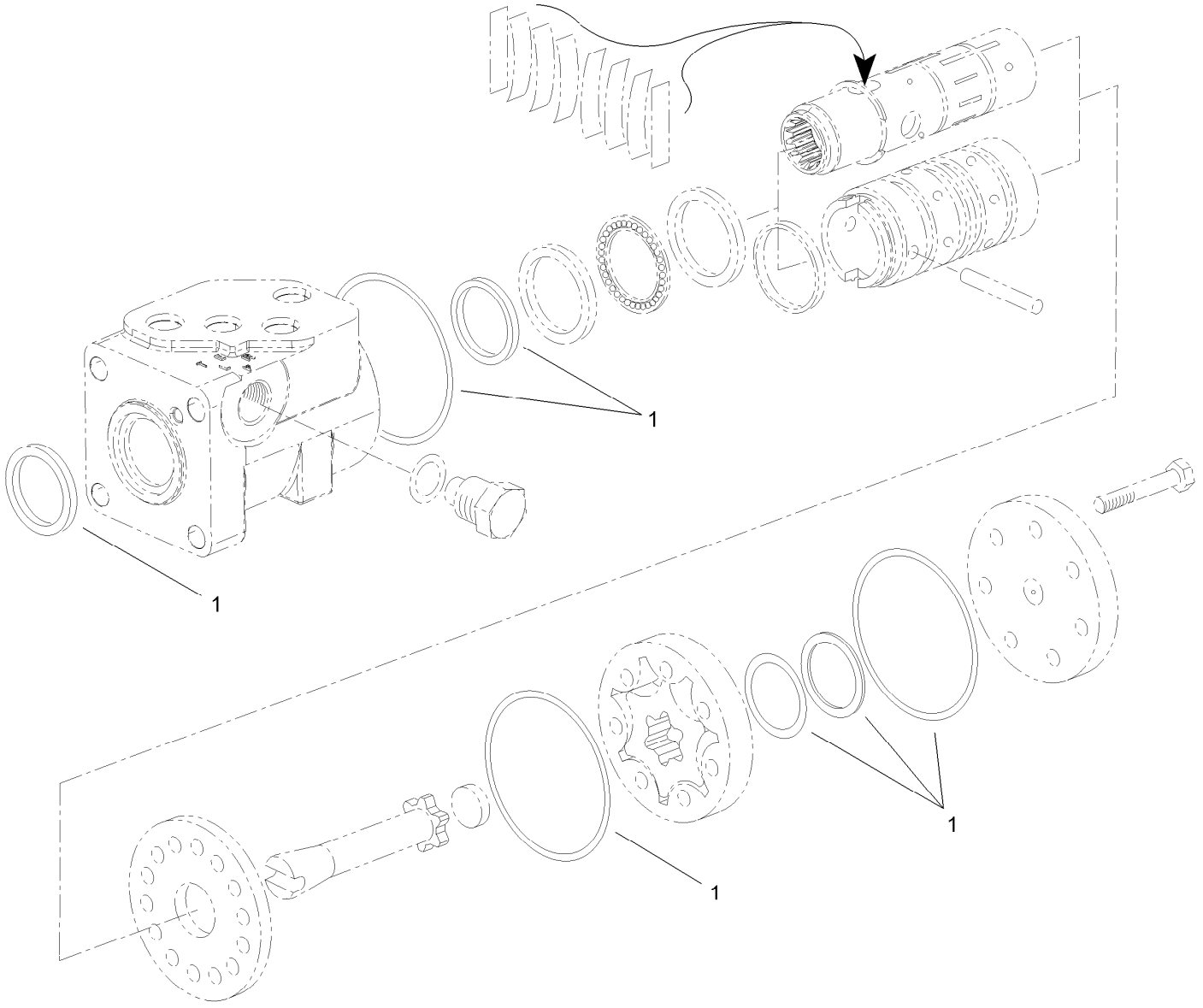
Steering Column Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	98-1471	1	Wheel-Steering
1:1	98-1468	1	Cover-Wheel, Steering
2	3296-33	1	Nut-Lock, NI
3	3256-27	1	Washer-Flat
4	117-3373	1	Bushing-Alignment
5	117-3371	1	Column-Steering
6	117-3265	1	Valve-Steering
7	117-3234-03	1	Plate-Steering
8	3231-26	4	Screw-CARR
9	63-9750	4	Mount
10	63-8410	4	Washer
11	104-8301	4	Nut-Flange, NI
12	108-1531	3	Screw-HHF
13	3273-41	1	Screw-HSH



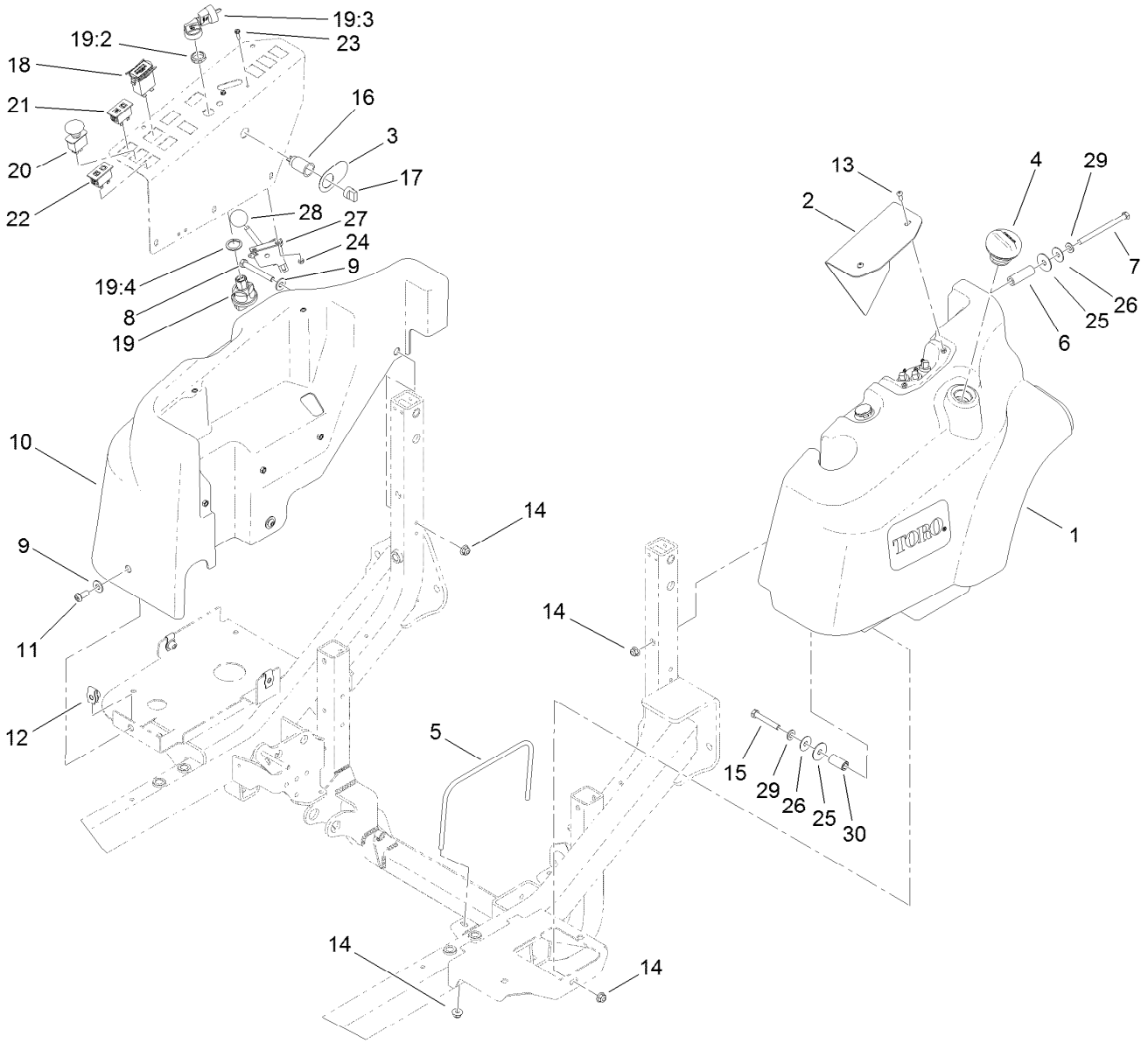
Steering Column Assembly No. 117-3371

Ref.	*Part Number*	*Qty.*	*Description*
1	120-2592	1	Boot-Rubber, Column
2	120-2593	1	Boot-Rubber, Bearing
3	120-2594	1	Gas Spring ASM



Steering Valve Assembly No. 117-3265

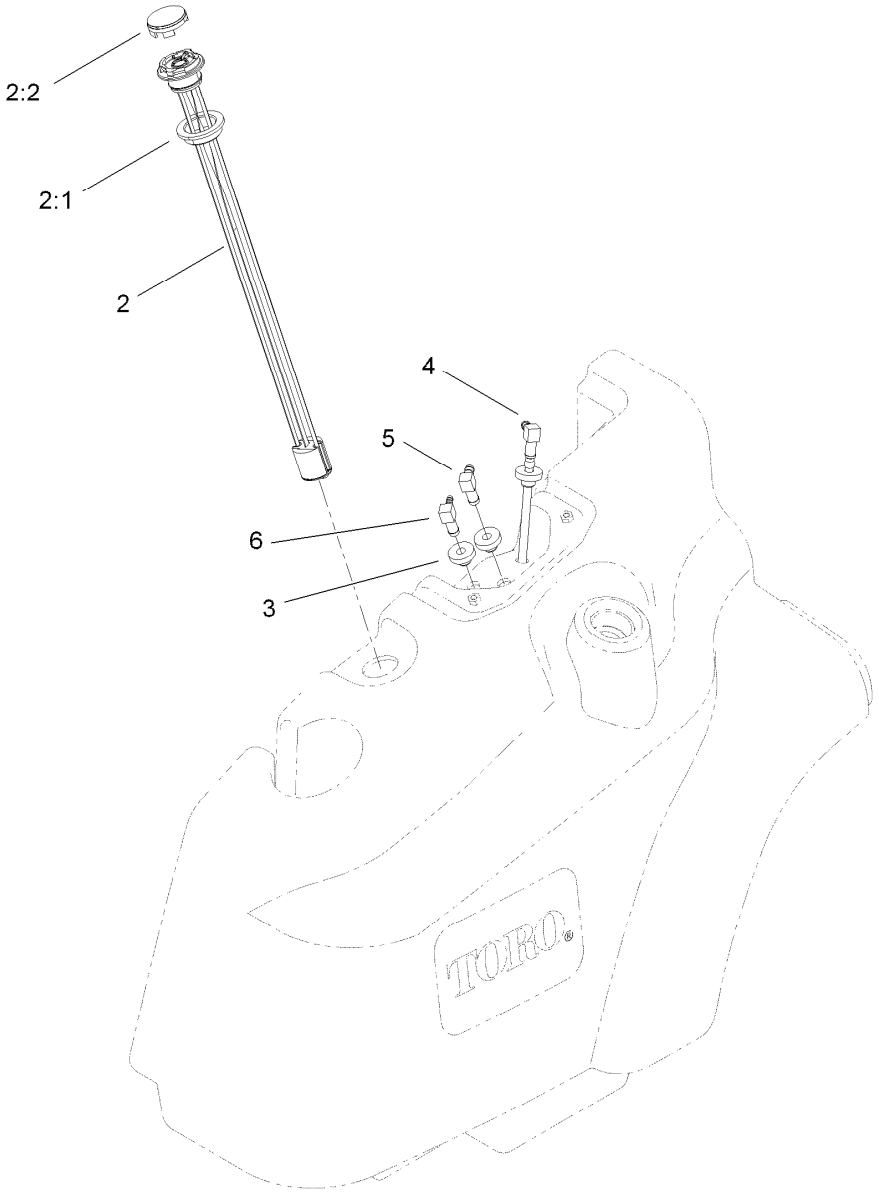
Ref.	*Part Number*	*Qty.*	*Description*
1	108-1519	1	Seal Kit



Fuel Tank and Control Panel Component Assembly

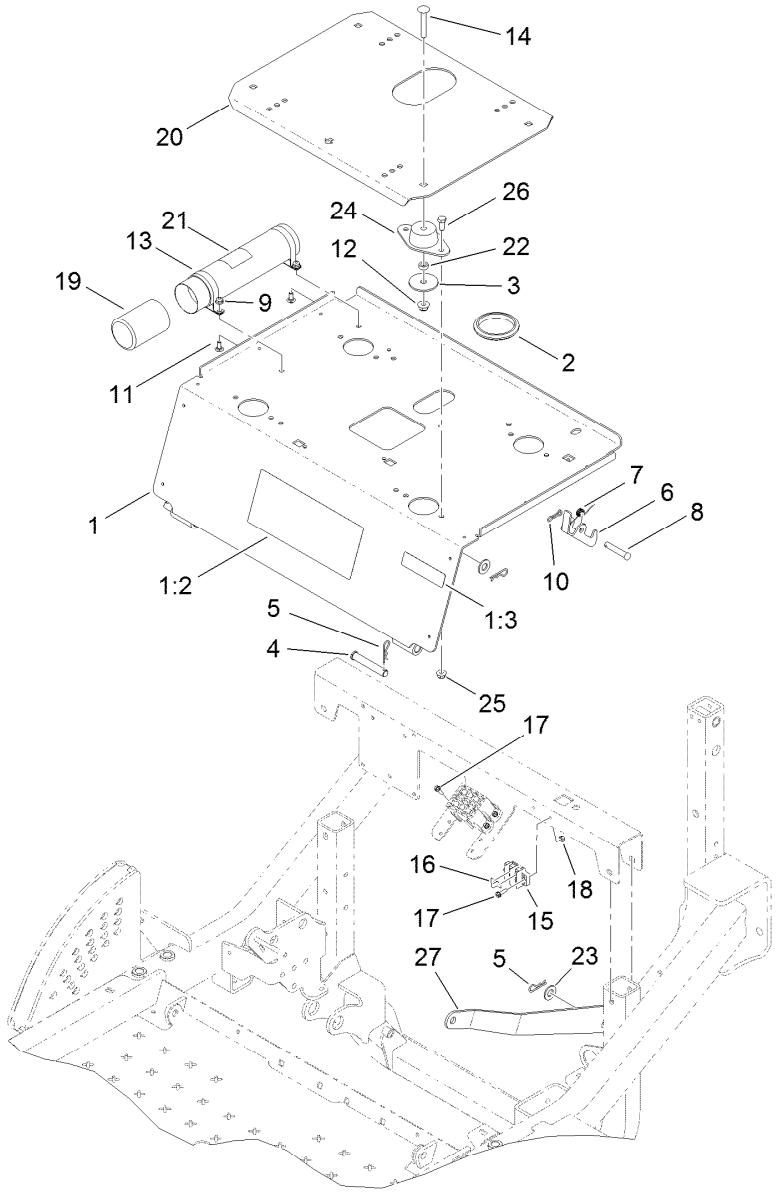
Ref.	Part Number	Qty.	Description
1	120-0255	1	Fuel Tank ASM
2	117-3359-03	1	Plate-Cover
3	106-2353	1	Decal-Powerpoint
4	115-5305	1	Cap-Fuel
5	117-3394	1	Bracket-Tank
6	117-3387	1	Tube-Spacer
7	323-39	1	Screw-HH
8	323-14	1	Screw-HH
9	100-7403	4	Washer-Flat
10	117-3353	1	Cover-Tank, HYD
11	3274-94	3	Screw-HSBH
12	105-4886	3	Nut-Tinnerman
13	3274-31	2	Screw-HSBH
14	104-8301	5	Nut-Flange, NI
15	323-12	1	Screw-HH
16	99-7411	1	Point-Power
17	99-7416	1	Cap

Ref.	Part Number	Qty.	Description
18	1-513374	1	Meter-Hour
19	106-5269	1	Ignition Switch ASM
19:2	108-8660	1	Nut-Mounting
19:3	106-5270	1	Ignition Key Set
19:4	108-8659	1	Washer-Backup
20	95-4108	1	Switch-PTO
21	100-8070	1	Lamp-Warning
22	100-8071	1	Lamp-Warning
23	32105-13	2	Screw-HWH
24	3296-2	2	Nut-Lock, NI
25	95-1905	2	Washer-Rubber
26	105-6814	2	Washer-Plain
27	110-5547	1	Control Lever ASM
28	233-42	1	Knob
29	3256-24	2	Washer-Flat
30	110-3726	1	Spacer



Fuel Tank Assembly No. 120-0255

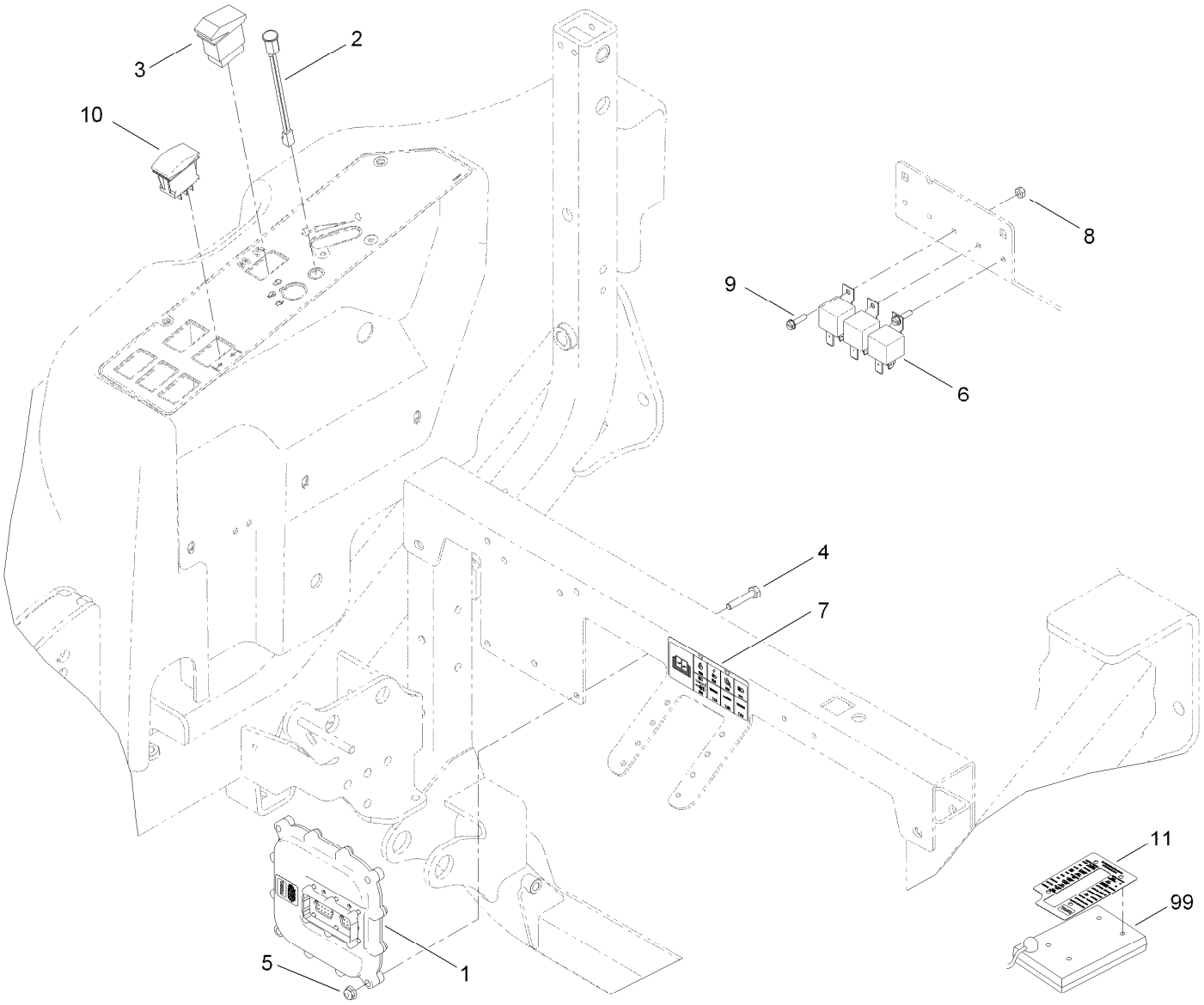
Ref.	*Part Number*	*Qty.*	*Description*
2	117-3238	1	Gauge-Fuel
2:1	119-0508	1	Seal
2:2	117-8404	1	Dial-Gauge
3	46-6560	3	Bushing
4	117-3370	1	Pipe-Stand
5	46-6550	1	Fitting-Elbow, 90 DEG
6	104-5228	1	Fitting-Elbow, 90 DEG



Seat Plate Assembly

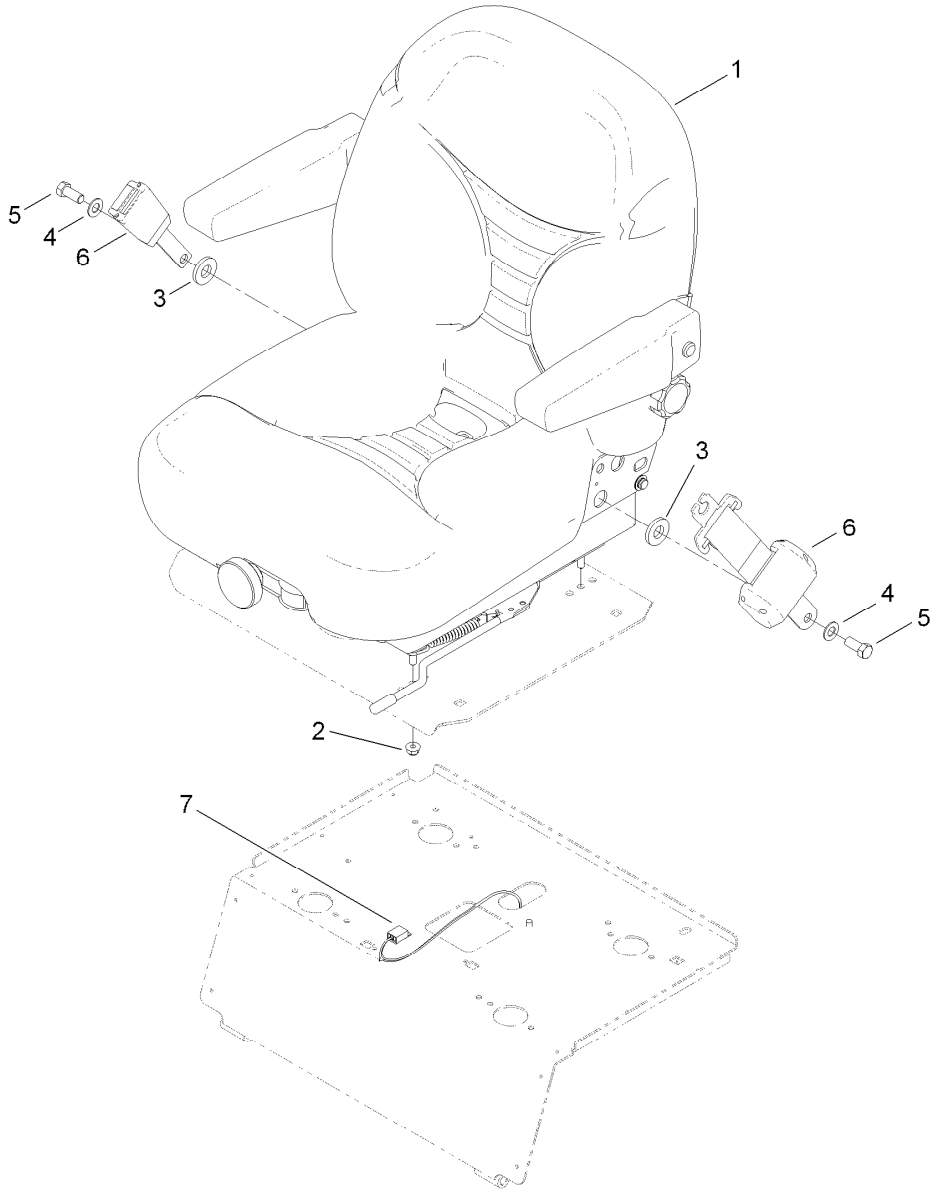
Ref.	Part Number	Qty.	Description
1	120-0244	1	Seat Plate ASM
1:2	117-3273	1	Decal-Operation, Warning
1:3	117-2718	1	Decal-Arrester, Spark
2	237-164	1	Grommet
3	83-1040	4	Washer-Flat
4	283-55	2	Pin-Clevis
5	3290-467	4	Pin-Hair
6	117-3067	1	Latch-Seat
7	104-4821	1	Spring-Torsion
8	283-82	1	Pin-Clevis
9	104-7201	2	Nut-HF
10	119-1415	1	Pin-Cotter, Locking
11	3229-1	2	Screw-CARR
12	104-8301	4	Nut-Flange, NI
13	107-1865	2	R-Clamp

Ref.	Part Number	Qty.	Description
14	3231-40	4	Bolt-CARR,Shrt Neck
15	42862	1	Block-Terminal, Ground
16	42863	1	Strip-Jumper
17	32105-13	4	Screw-HWH
18	3296-2	4	Nut-Lock, NI
19	104-7048	1	Cap-Housing
20	117-3065-03	1	Plate-Seat
21	104-7050	1	Tube-Manual
22	83-1050	4	Spacer
23	3256-26	2	Washer-Flat
24	83-1030	4	Mount-Engine
25	104-8300	8	Nut-Flange, NI
26	322-3	8	Screw-HH
27	120-0242-01	1	Strap-Prop



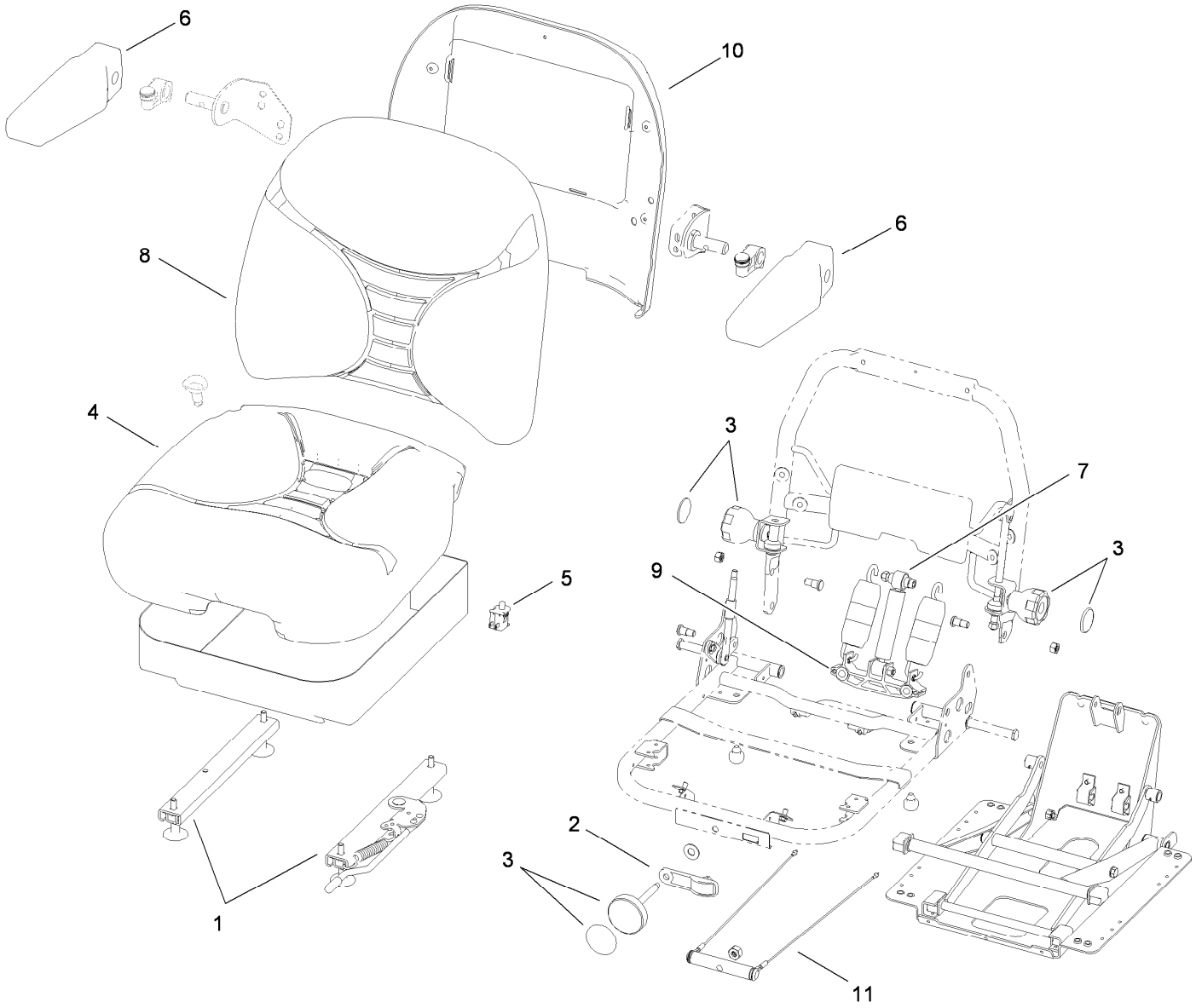
4 Wheel Drive Module Control and Relay Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	115-1900	1	Controller ASM (Tec-5001)
2	95-7652	1	Light-Indicator
3	100-8490	1	Switch-Rocker
4	321-13	4	Screw-HH
5	104-7201	4	Nut-HF
6	99-7435	3	Relay-Power
7	117-3233	1	Decal-Fuseblock
8	3296-2	3	Nut-Lock, NI
9	32105-13	3	Screw-HWH
10	100-1535	1	Switch
11	120-0273	1	Decal-Diagnostic, Master
99	85-4750	1	Box-Display, Diagnostic



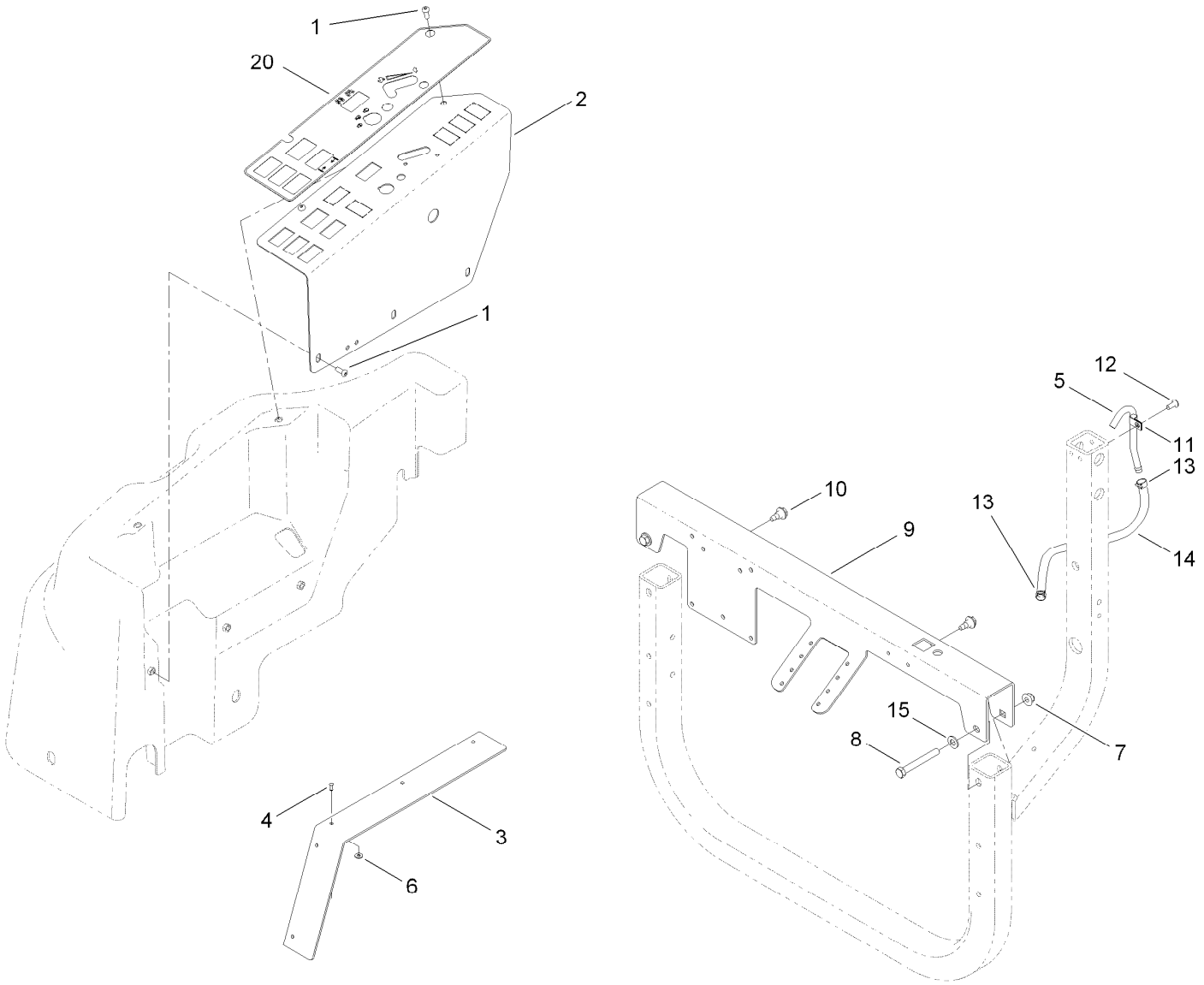
Seat Assembly

Ref.	*Part Number*	*Qty.*	*Description*
1	107-2286	1	Seat ASM
2	104-8300	4	Nut-Flange, NI
3	99-7667	2	Washer-Flat
4	3256-25	2	Washer-Flat
5	3212-4	2	Screw-HH
6	110-0413	1	Seatbelt-Retractable
7	119-5786	1	Harness-Wire, Seat-Standard



Seat Assembly No. 107-2286

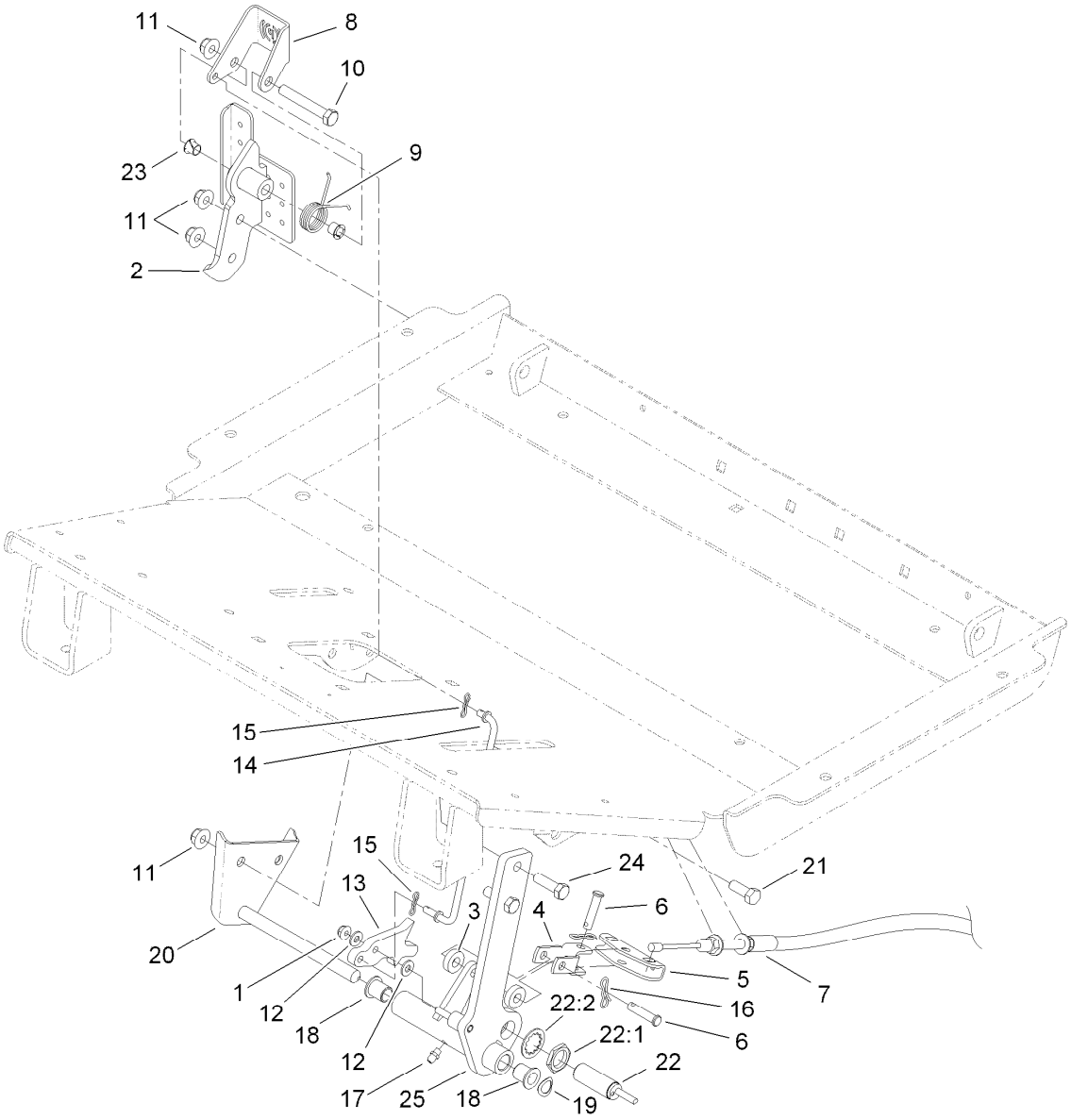
Ref.	*Part Number*	*Qty.*	*Description*
1	107-1880	1	Seat Track Kit
2	107-1885	1	Weight Indicator Kit
3	107-1881	1	Knob Kit
4	107-1883	1	Bottom Cushion Kit
5	82-2190	1	Switch-Bail
6	107-1887	1	Armrest Kit
7	107-1884	1	Shock Absorber Kit
8	107-1882	1	Back Cushion Kit
9	109-3343	1	Spring And Saddle Kit
10	109-3344	1	Back Panel Kit
11	109-3345	1	Weight Adjust Kit



Seat Platform Assembly

Ref.	Part Number	Qty.	Description
1	3274-31	5	Screw-HSBH
2	117-3357-03	1	Panel-Control, Tank
3	117-3175	2	Strap-Filler
4	3290-282	10	Rivet-Blind
5	120-6820	1	Tube-Vent
6	3269-26	10	Washer-Plain
7	104-8301	2	Nut-Flange, NI
8	323-14	2	Screw-HH

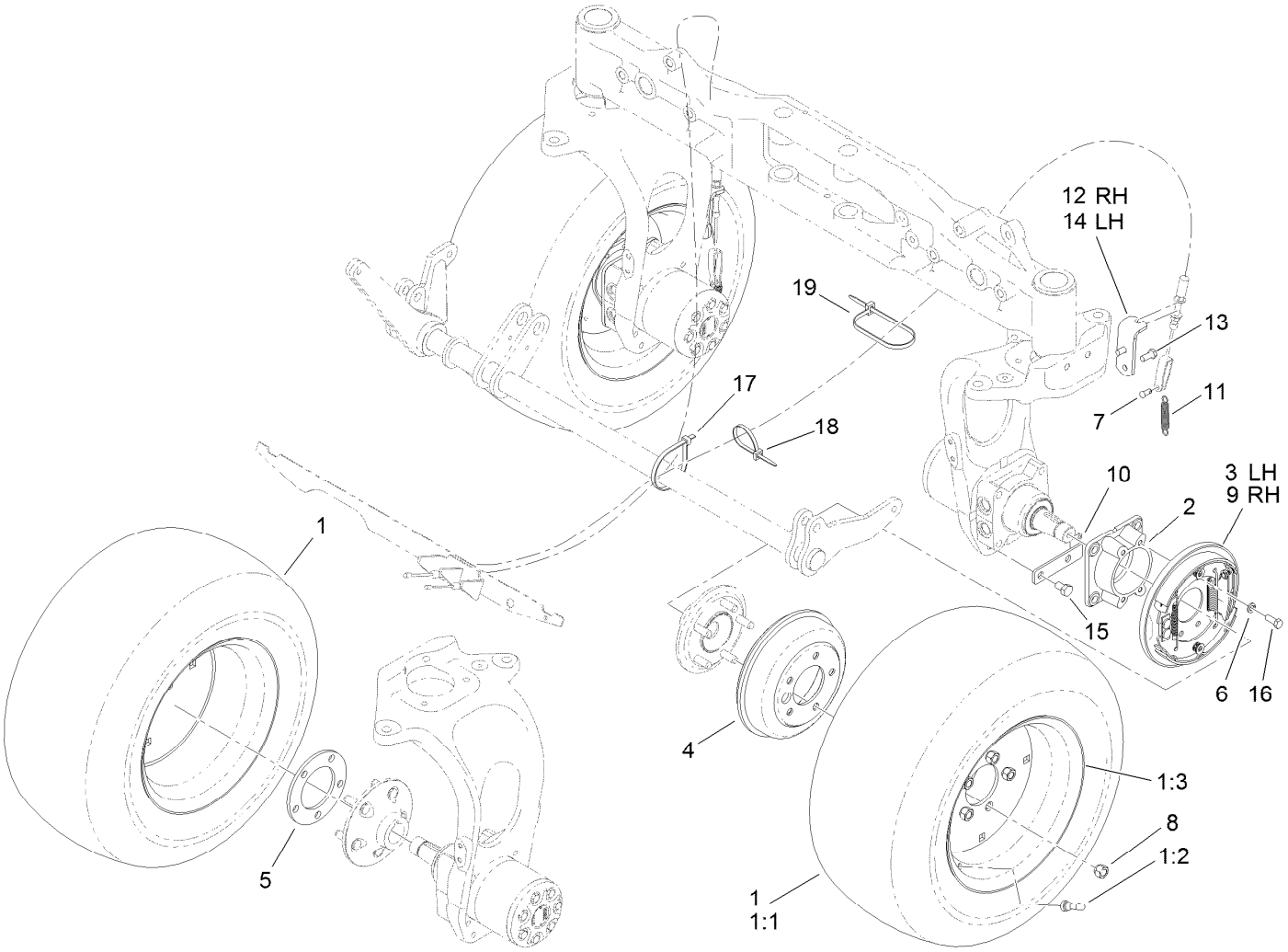
Ref.	Part Number	Qty.	Description
9	117-3064-03	1	Channel-Seat
10	99-5105	2	Bolt-Shoulder
11	2412-89	1	Clamp-R
12	3290-412	1	Rivet
13	92-2379	2	Clamp-Hose
14	110-4101	1	Hose-Fuel
15	3256-24	2	Washer-Flat
20	117-3277	1	Decal-Control Panel, 4Wd



Brake Pedal Assembly

Ref.	Part Number	Qty.	Description
1	104-7201	1	Nut-HF
2	119-1403-03	1	Brake Pedal ASM
3	5-0652	2	Spacer
4	115-8060	1	Clevis-Double
5	115-8059	1	Yoke-Cable
6	283-14	2	Pin-Clevis
7	117-3214	2	Cable-Brake
8	119-1407	1	Pedal-Park
9	99-7140	1	Spring-Torsion
10	323-12	1	Screw-HH
11	104-8301	5	Nut-Flange, NI
12	3256-22	2	Washer-Flat
13	119-1406	1	Detent-Brake
14	119-1405	1	Rod-Brake Pawl

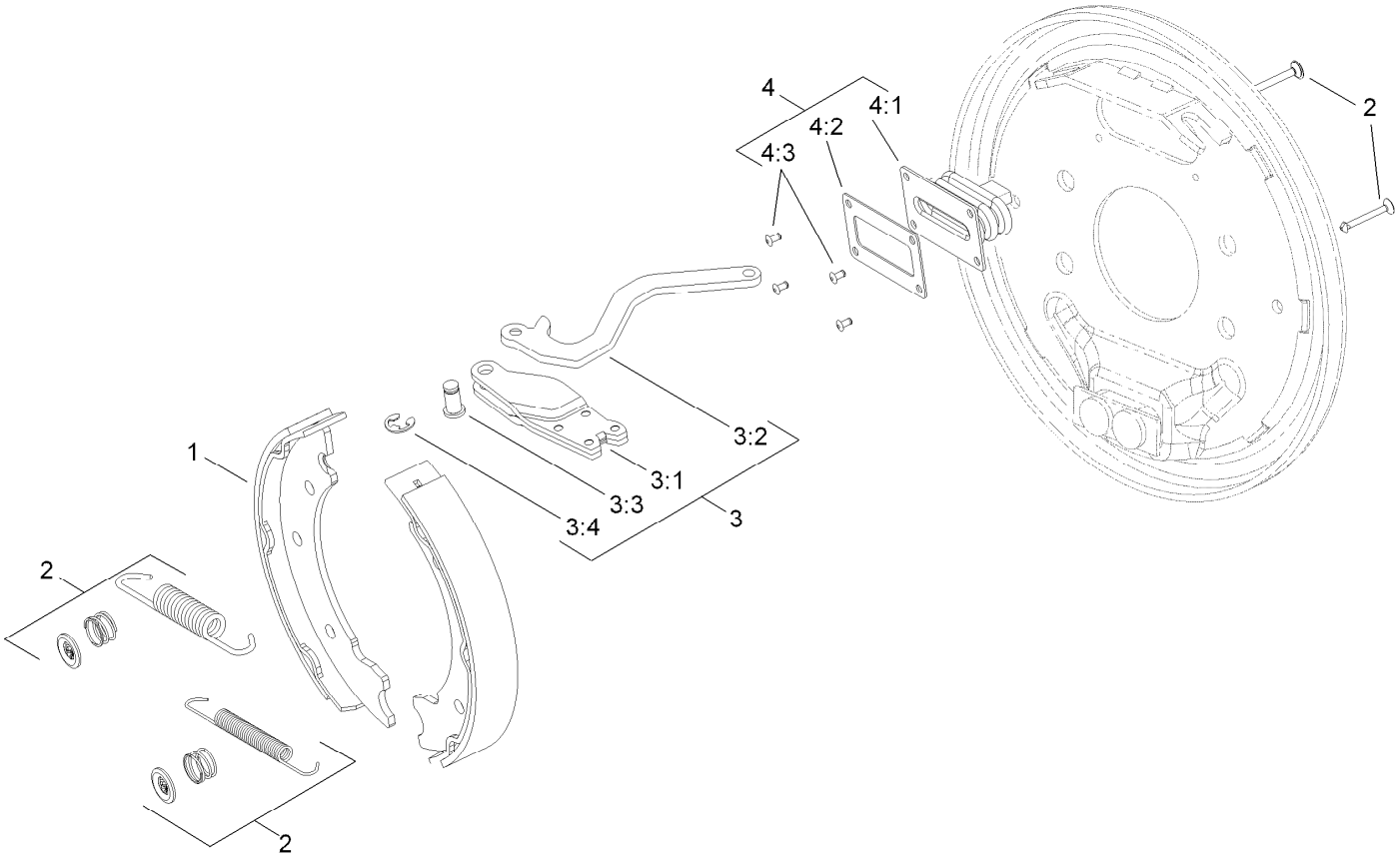
Ref.	Part Number	Qty.	Description
15	119-1414	2	Pin-Cotter, Locking
16	119-1415	2	Pin-Cotter, Locking
17	302-5	1	Fitting-Grease
18	256-155	2	Bushing-Flange
19	3290-221	1	Washer-Spring
20	119-1388	1	Brake Pin ASM
21	323-6	2	Screw-HH
22	115-5300	1	Proximity Switch ASM
22:1	117-3207	2	Nut-Hex
22:2	117-3208	2	Washer-Lock, Int Tooth
23	52-2891	2	Bushing-Flanged, Nylon
24	323-7	2	Screw-HH
25	119-1400-03	1	Brake Lever ASM



Wheel and Brake Assembly

Ref.	Part Number	Qty.	Description
1	117-2900	4	Tire And Wheel ASM
1:1	117-2901	1	Tire
1:2	232-27	1	Stem-Valve
1:3	117-2902	1	Rim
2	120-0248-03	2	Adapter-Brake
3	120-0235	1	LH Brake ASM
4	114-8864	2	Drum-Brake (8 Inch)
5	115-0199-03	2	Spacer-Wheel
6	3253-21	8	Washer-Lock
7	283-62	2	Pin-Clevis
8	242-50	10	Nut-Lug

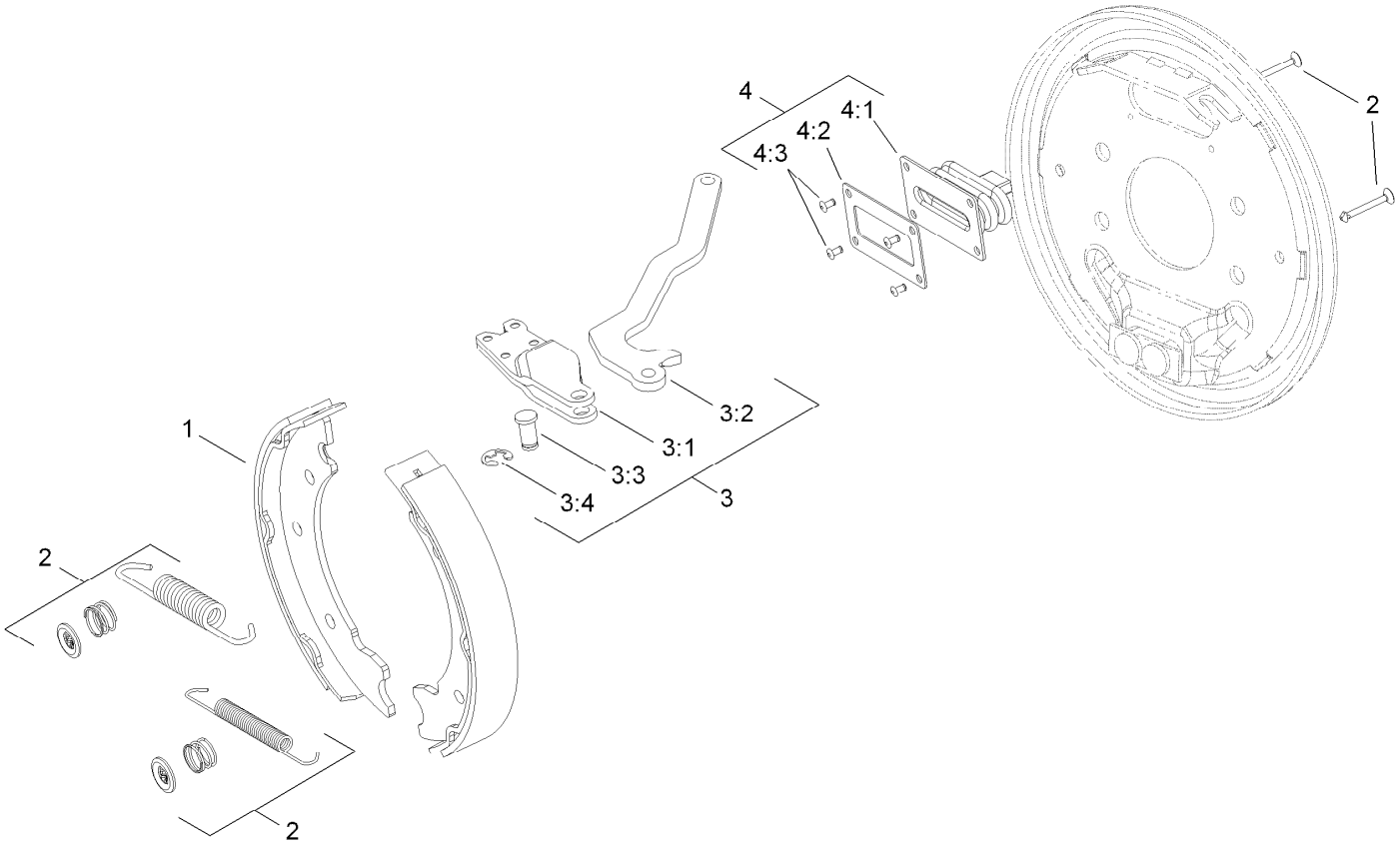
Ref.	Part Number	Qty.	Description
9	120-0233	1	RH Brake ASM
10	115-0132	2	Bracket-Spring, Return
11	87-4020	2	Spring-Extension
12	119-1352-03	1	Bracket-Brake Cable, RH
13	325-2	4	Screw-HH
14	119-1449-03	1	Bracket-Brake Cable, LH
15	323-5	4	Screw-HH
16	323-6	8	Screw-HH
17	3334-945	1	Tie-Cable
18	3290-378	1	Tie-Cable
19	250-5	1	Tie-Cable



Left Hand Brake Assembly No. 120-0235

Ref.	*Part Number*	*Qty.*	*Description*
1	108-6981	1	Brake Shoe Kit (8 Inch)
2	108-6983	1	Brake Hardware Kit (8 Inch)
3	120-0236	1	LH Actuator Kit
3:1		1	Housing ●
3:2		1	Lever-LH ●
3:3		1	Pin-Pivot ●
3:4		1	E-Ring ●
4	110-8885	1	Dust Boot Kit
4:1		1	Boot ●
4:2		1	Plate-Back Up ●
4:3		2	Rivet ●

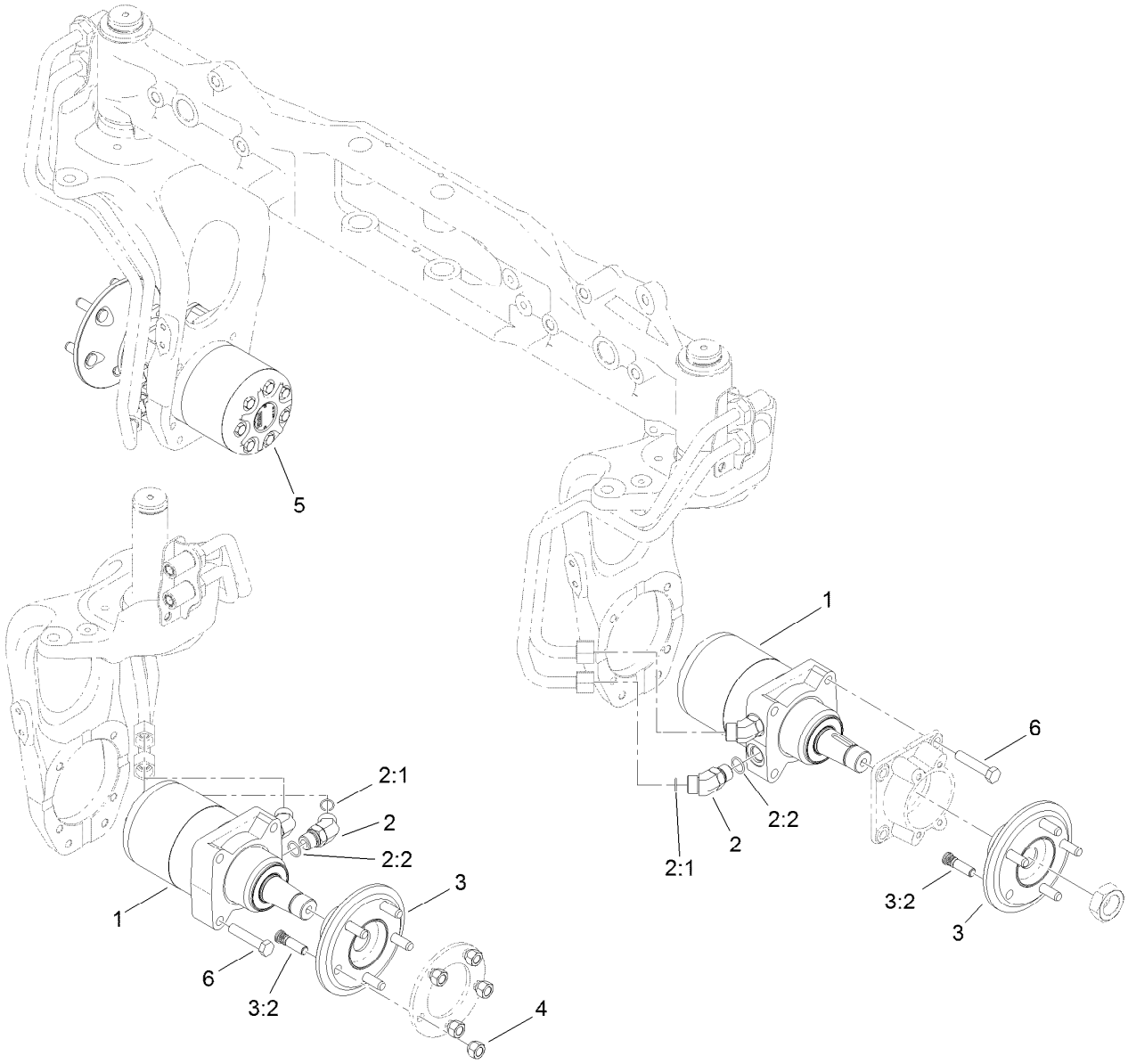
● Not serviced separately



Right Hand Brake Assembly No. 120-0233

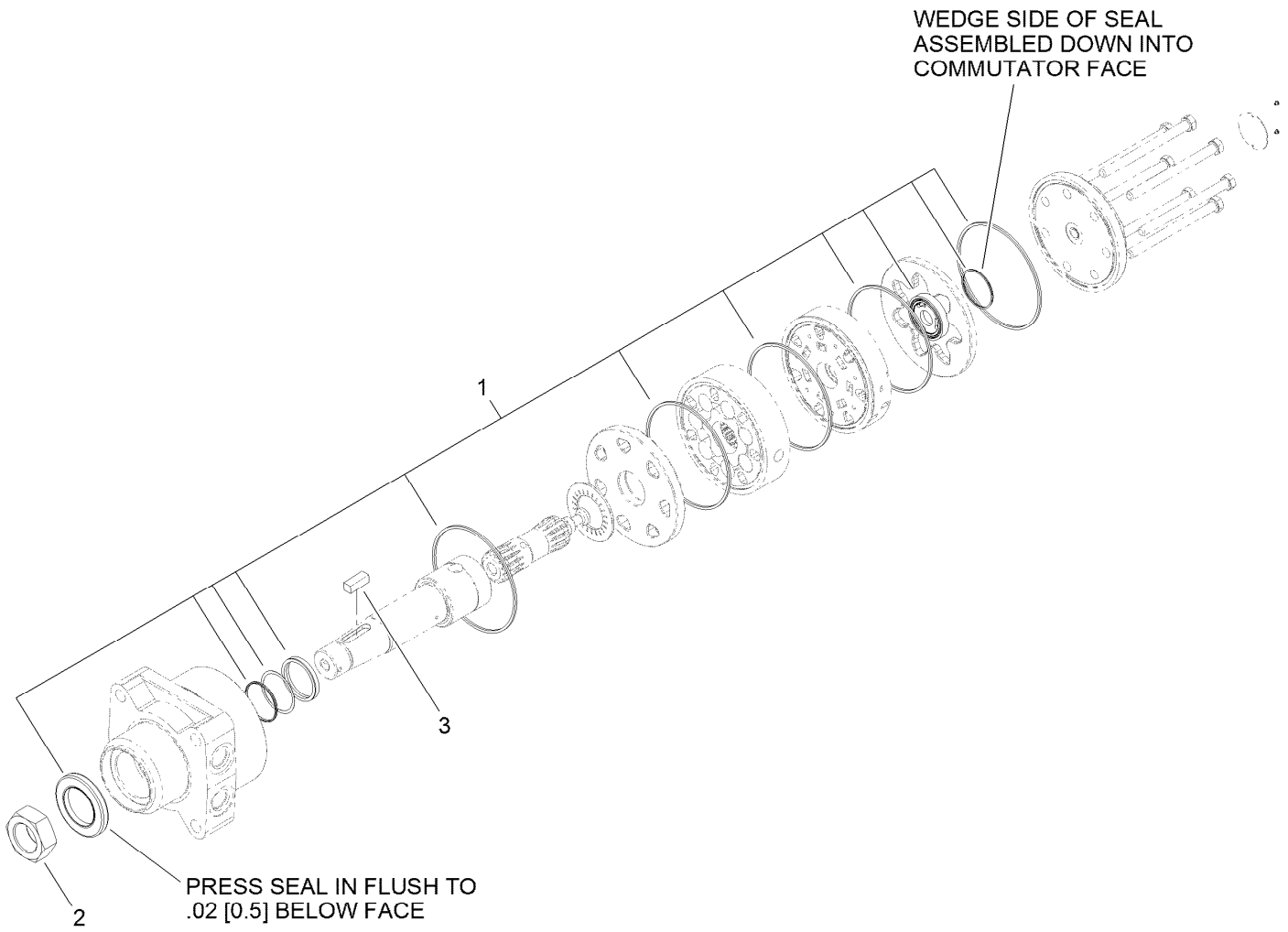
Ref.	*Part Number*	*Qty.*	*Description*
1	108-6981	1	Brake Shoe Kit (8 Inch)
2	108-6983	1	Brake Hardware Kit (8 Inch)
3	120-0234	1	RH Actuator Kit
3:1		1	Housing ●
3:2		1	Lever-RH ●
3:3		1	Pin-Pivot ●
3:4		1	E-Ring ●
4	110-8885	1	Dust Boot Kit
4:1		1	Boot ●
4:2		1	Plate-Back Up ●
4:3		2	Rivet ●

● Not serviced separately



4 Wheel Drive Hydraulic Motor and Fitting Assembly

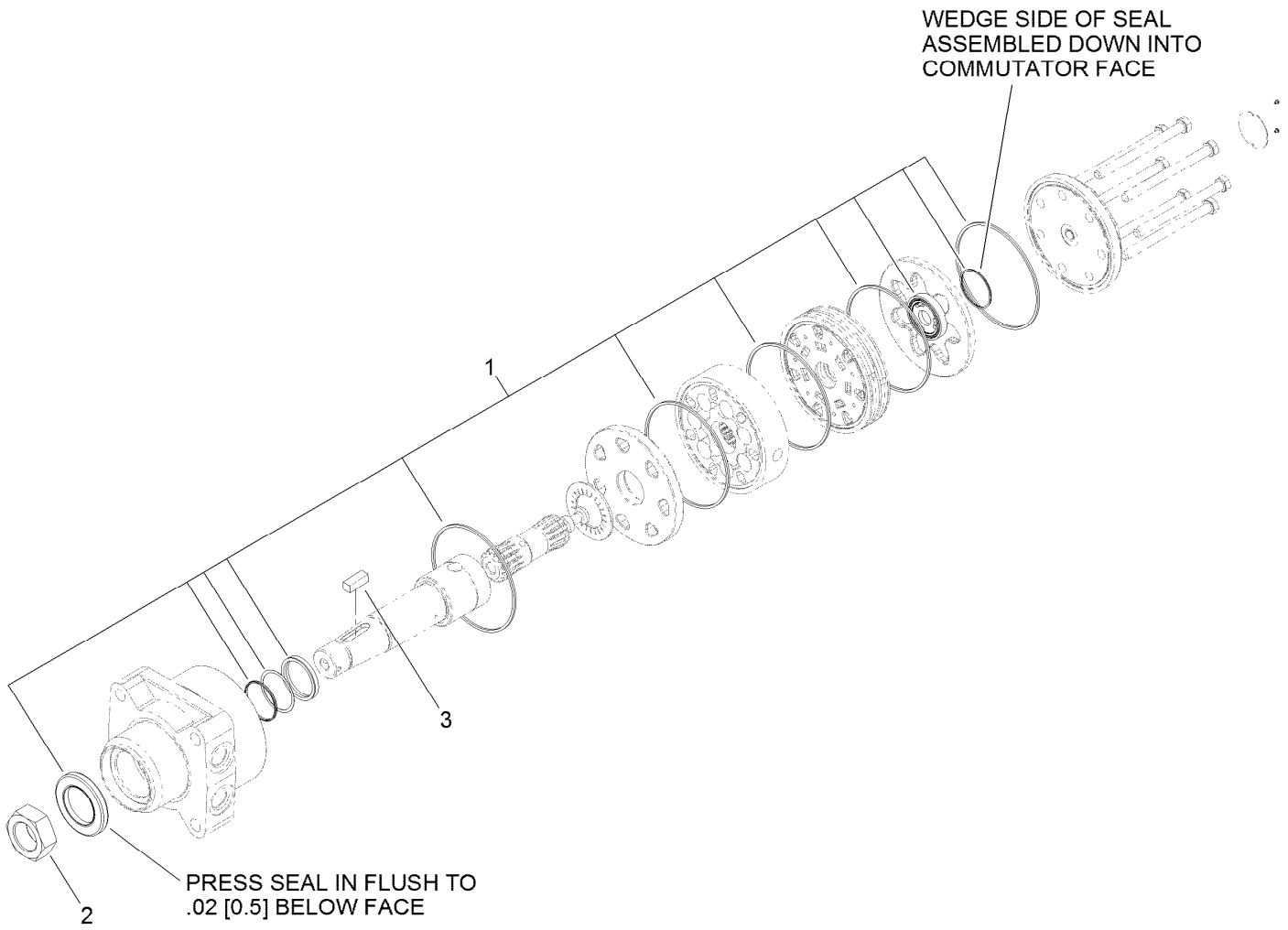
Ref.	*Part Number*	*Qty.*	*Description*
1	117-3284	2	HYD Motor ASM (280 CCW)
2	340-14	8	Fitting-HYD, 45 DEG
2:1	237-65	1	O-Ring
2:2	237-80	1	O-Ring
3	120-6739	4	Wheel Hub ASM
3:2	114-3918	5	Stud-Wheel
4	242-50	10	Nut-Lug
5	117-3285	2	HYD Motor ASM (280 CW)
6	325-34	16	Screw-HH



Hydraulic Motor Assembly No. 117-3284 (CCW)

Ref.	*Part Number*	*Qty.*	*Description*
1	107-9368	1	Seal Kit ●
2	117-3290	1	Nut-Hex
3	117-5198	1	Key-Square

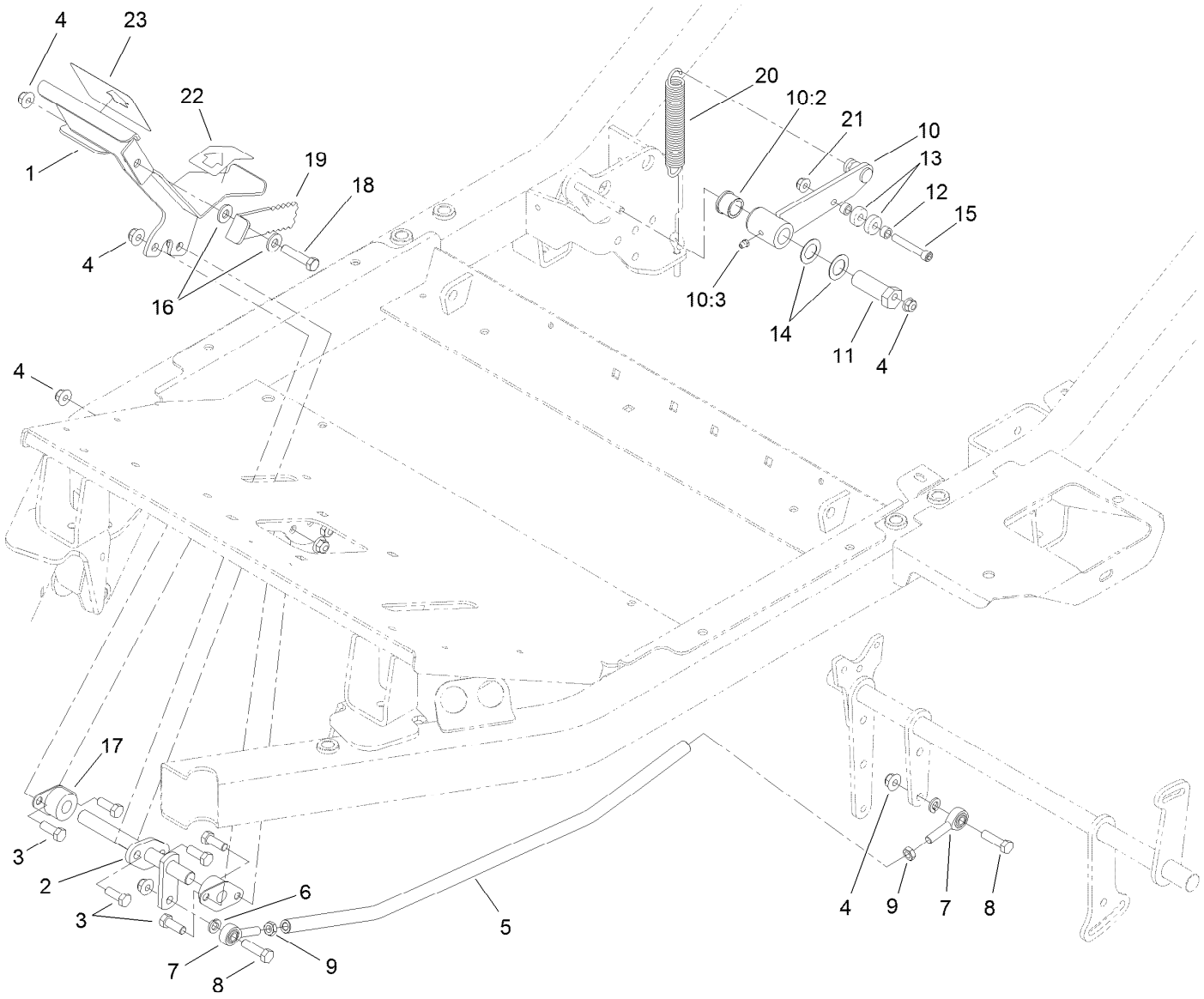
● Not illustrated



Hydraulic Motor Assembly No. 117-3285 (CW)

Ref.	*Part Number*	*Qty.*	*Description*
1	107-9368	1	Seal Kit ●
2	117-3290	1	Nut-Hex
3	117-5198	1	Key-Square

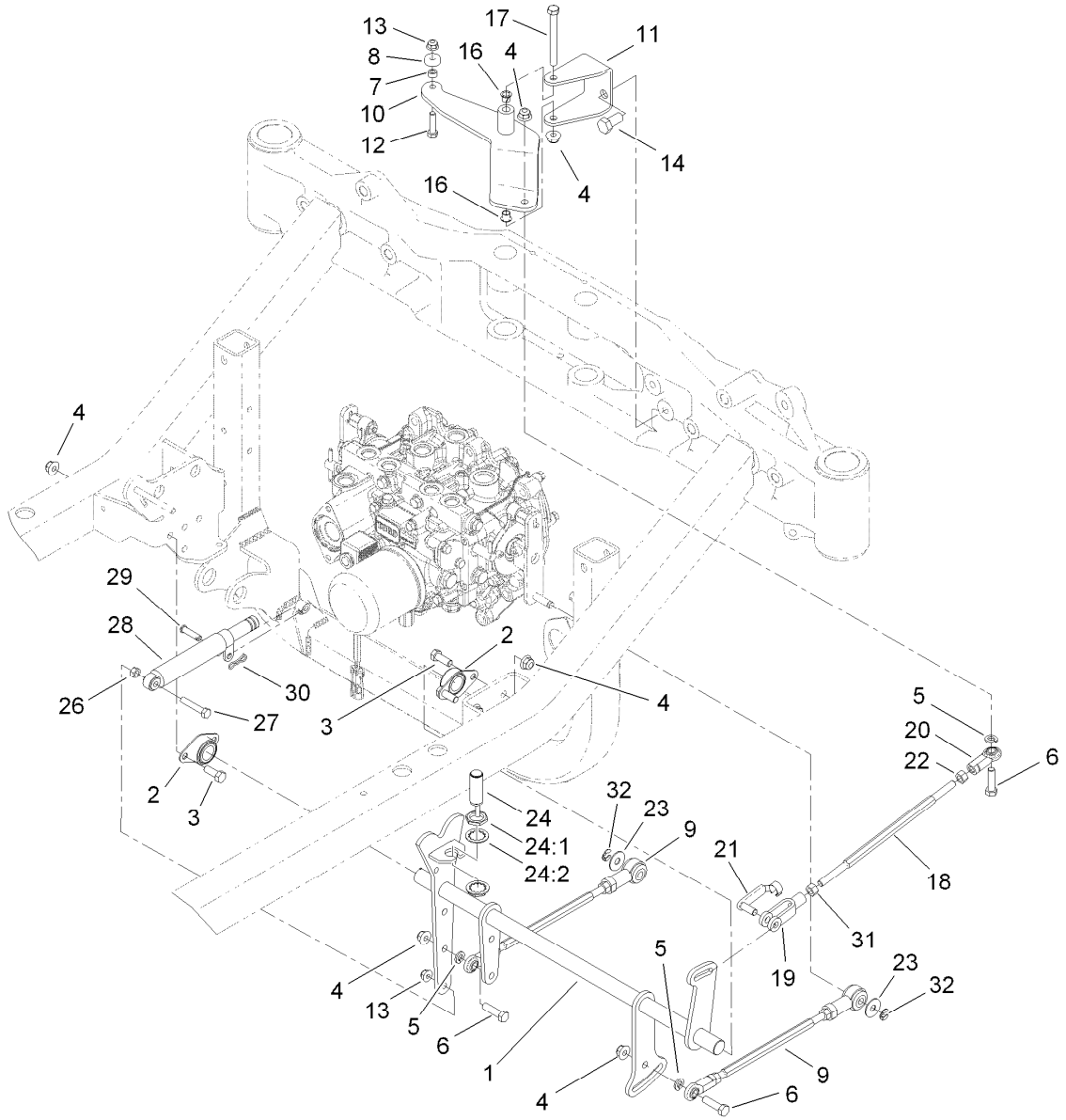
● Not illustrated



Neutral and Traction Pedal Assembly

Ref.	Part Number	Qty.	Description
1	117-3070-01	1	Pedal
2	117-3073	1	Pivot-Pedal
3	323-6	6	Screw-HH
4	104-8301	10	Nut-Flange, NI
5	115-0072-03	1	Rod-Traction
6	3253-21	2	Washer-Lock
7	2411-36	2	Bearing-End, Rod
8	323-29	2	Screw-HH
9	3220-3	2	Nut-HJ
10	115-0148	1	Arm ASM
10:2	256-113	2	Bushing-Flange
10:3	302-5	1	Fitting-Grease
11	117-9046	1	Stud-Eccentric

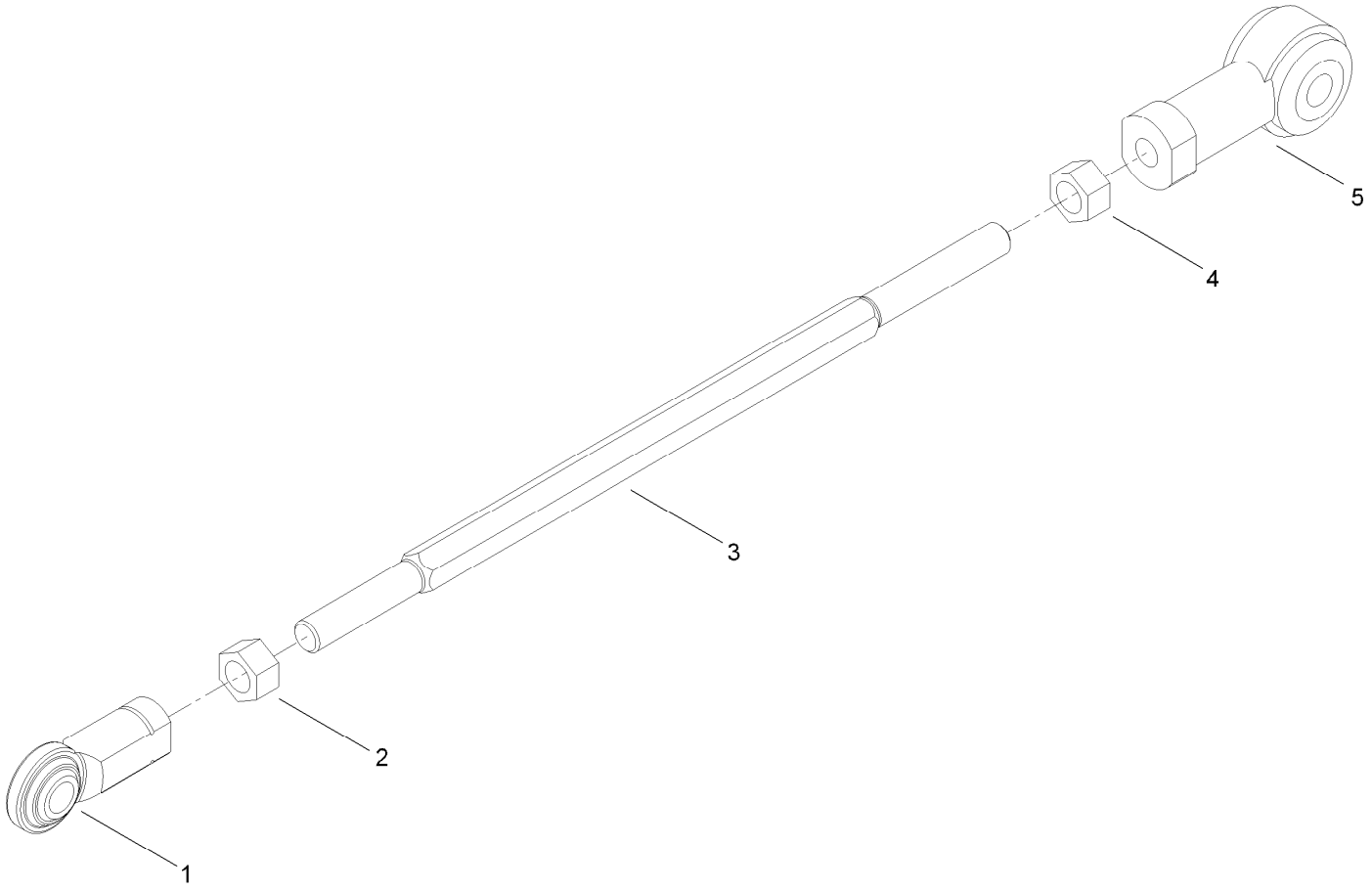
Ref.	Part Number	Qty.	Description
12	85-9120	2	Spacer-Pivot, Tilt
13	251-307	2	Bearing-Ball
14	3-6498	2	Washer-Thrust
15	3274-86	1	Screw-HSH
16	66-2920	2	Washer-Friction
17	256-236	2	Bearing-Mount, Flange
18	323-9	1	Screw-HH
19	117-3298	1	Lever-Mow Stop
20	116506	1	Spring-Extension
21	104-8300	1	Nut-Flange, NI
22	94-3308	1	Pad-Pedal, Traction
23	94-3307	1	Pad-Pedal, Traction



Traction Pump Linkage Assembly

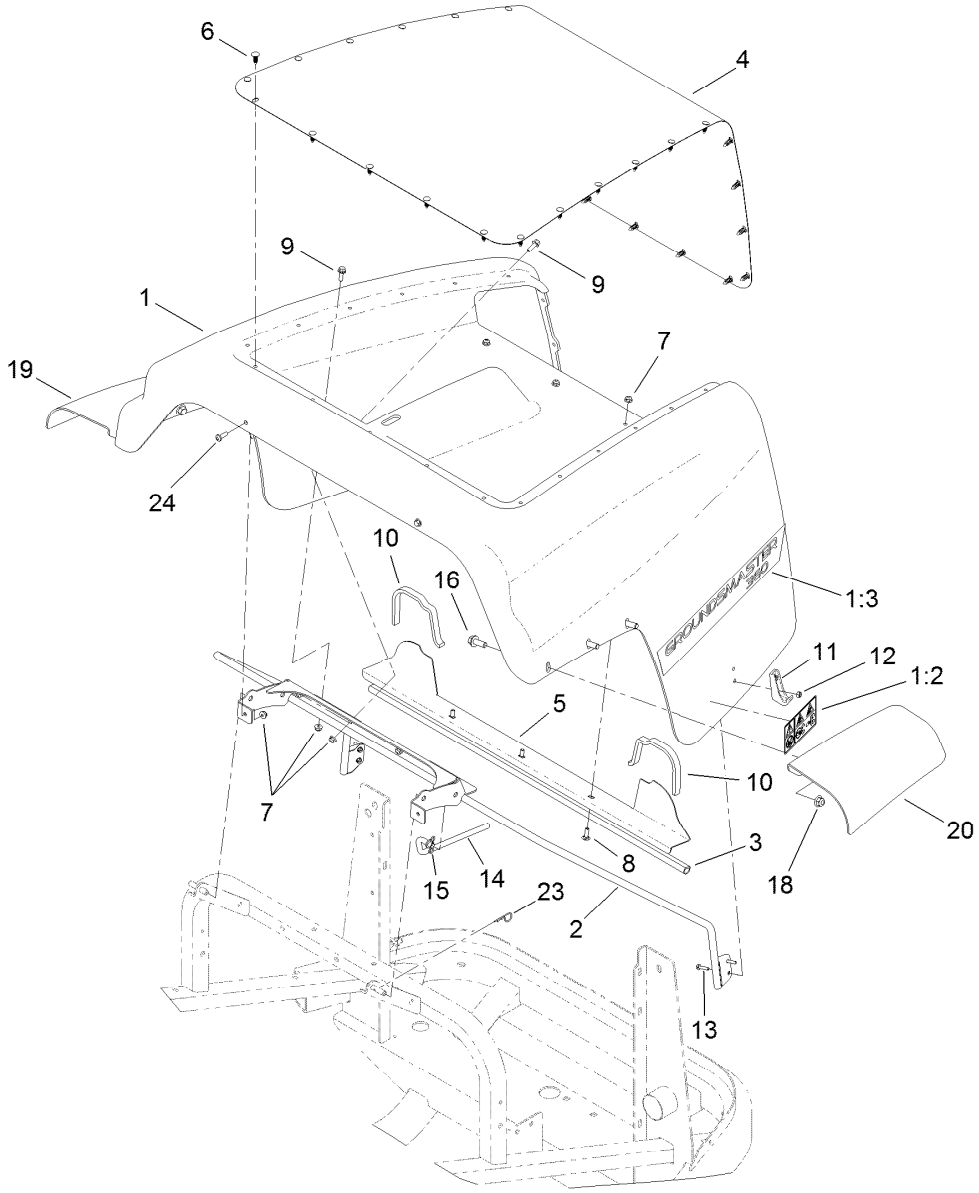
Ref.	*Part Number*	*Qty.*	*Description*
1	115-0080-03	1	Speed Control Shaft ASM
2	117-3255	2	Bearing-Side Flange
3	323-6	4	Screw-HH
4	104-8301	8	Nut-Flange, NI
5	3253-21	3	Washer-Lock
6	323-29	3	Screw-HH
7	85-9120	1	Spacer-Pivot, Tilt
8	251-307	1	Bearing-Ball
9	112-5099	2	Link ASM
10	115-0084-03	1	Arm ASM
11	119-1351-03	1	Channel-Pivot
12	322-6	1	Screw-HH
13	104-8300	2	Nut-Flange, NI
14	325-4	2	Screw-HH
16	52-2891	2	Bushing-Flanged, Nylon
17	323-15	1	Screw-HH

Ref.	*Part Number*	*Qty.*	*Description*
18	105-7239	1	Rod-Threaded
19	1-633131	1	Yoke-Linkage, Brake
20	103-1167	1	Joint-Ball End, LH
21	103-2399	1	Pin-Spring, Clevis
22	3219-20	1	Nut-Hex, LH
23	52-2860	2	Washer
24	115-5300	1	Proximity Switch ASM
24:1	117-3207	2	Nut-Hex
24:2	117-3208	2	Washer-Lock, Int Tooth
26	3217-6	1	Nut-Hex
27	322-9	1	Screw-HH
28	76-8870	1	Lever Damper ASM
29	283-6	1	Pin-Clevis
30	119-1415	1	Pin-Cotter, Locking
31	3219-3	1	Nut-Hex
32	32151-47	2	Ring-Retaining



Link Assembly No. 112-5099

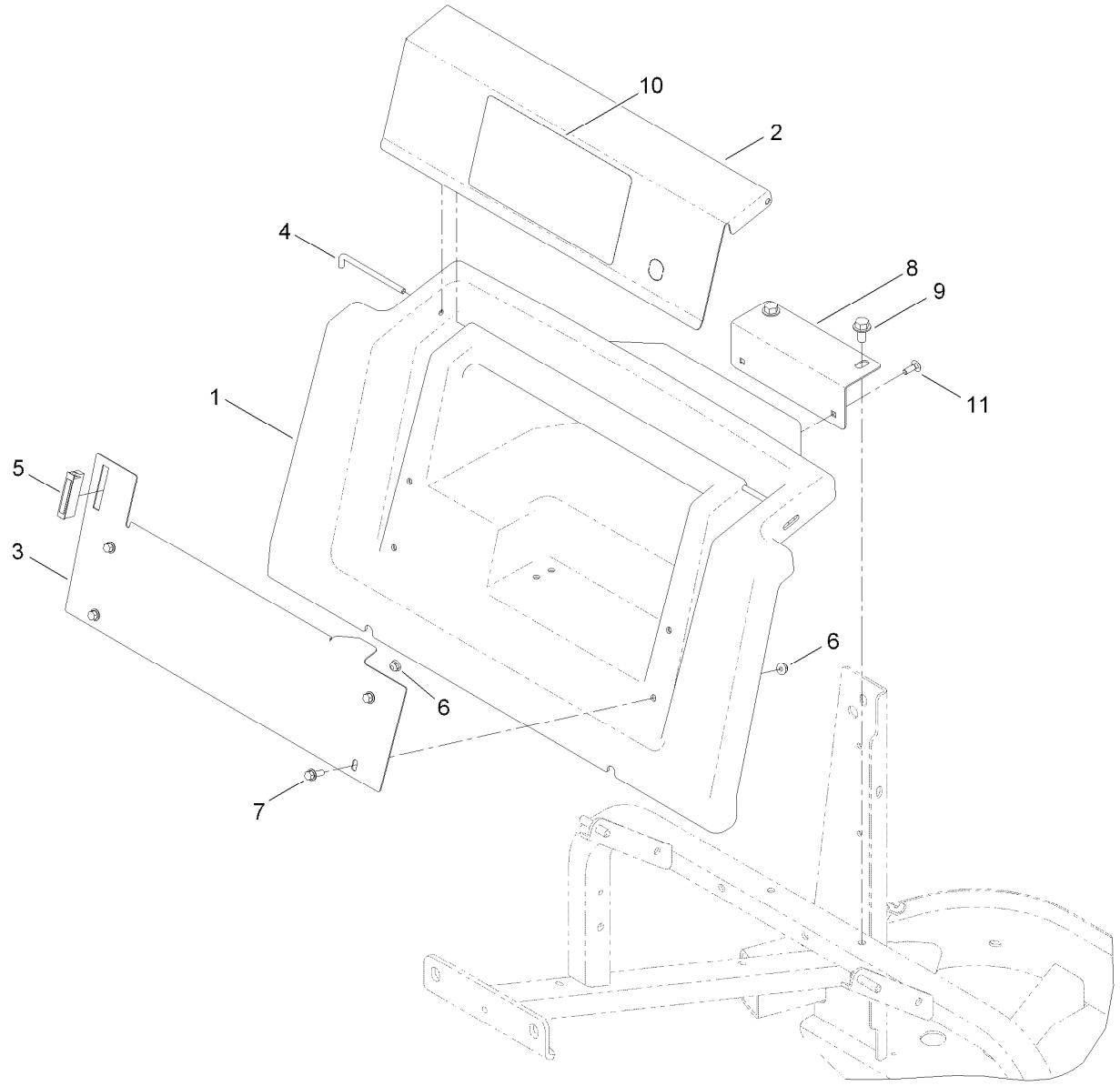
Ref.	*Part Number*	*Qty.*	*Description*
1	103-1167	1	Joint-Ball End, LH
2	3219-20	1	Nut-Hex, LH
3	105-7239	1	Rod-Threaded
4	3219-3	1	Nut-Hex
5	105-7199	1	Rod End-Isolated



Hood Assembly

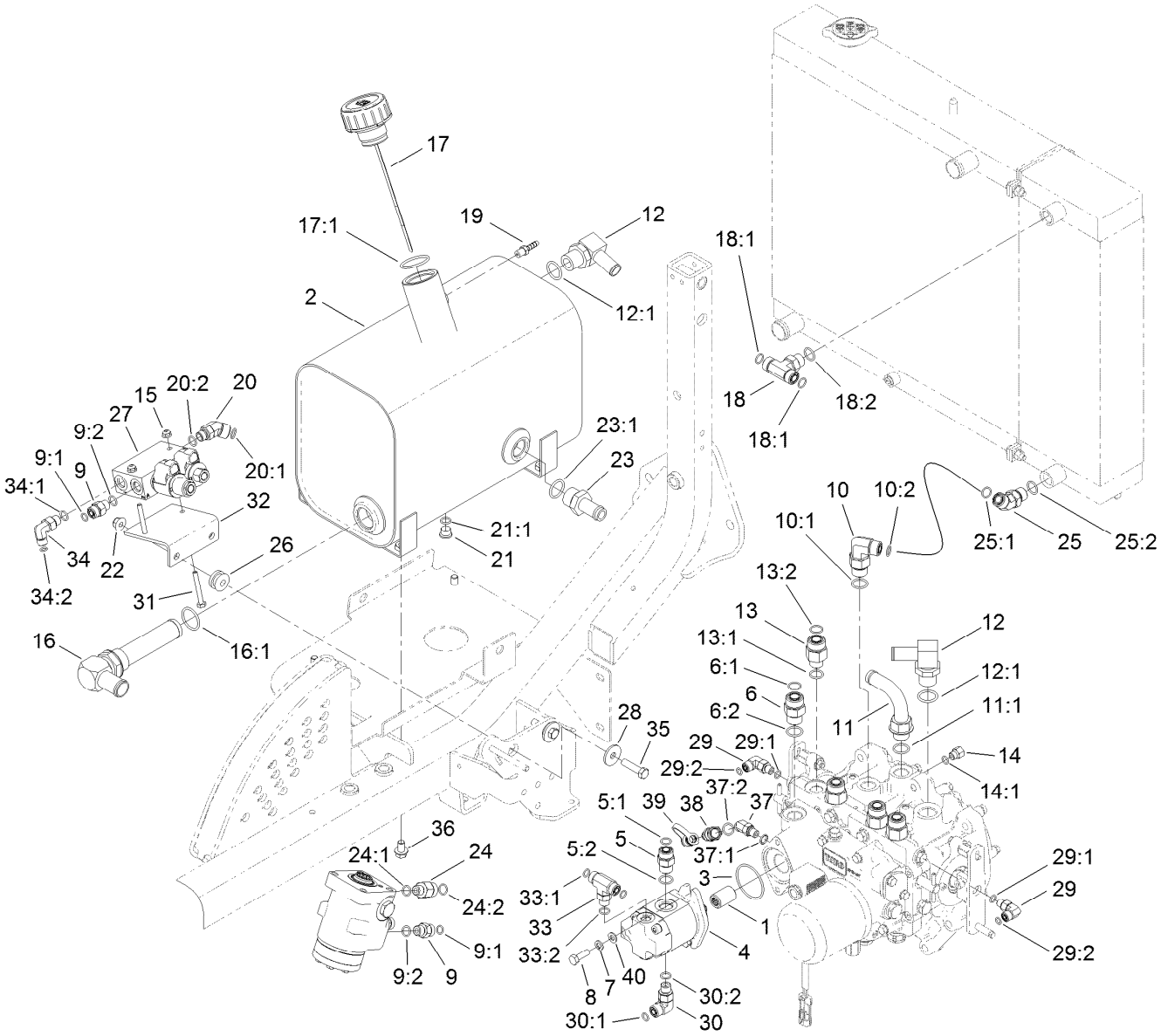
Ref.	Part Number	Qty.	Description
1	120-0266	1	Hood ASM
1:2	117-3270	2	Decal-Danger
1:3	117-3279	2	Decal-Hood
2	115-0364-03	1	Hood Mount ASM
3	115-0423	1	Seal-Bulb
4	115-0370-03	1	Screen
5	115-0422-03	1	Seal-Hood
6	117-2382	29	Plug-Plastic
7	104-7201	11	Nut-HF
8	3229-1	3	Screw-CARR
9	3234-4	6	Screw-HHF
10	110-8288	2	Seal-Foam

Ref.	Part Number	Qty.	Description
11	103-2897	2	Latch-Catch
12	3296-2	4	Nut-Lock, NI
13	32105-13	4	Screw-HWH
14	117-3171	1	Rod-Prop
15	119-1415	1	Pin-Cotter, Locking
16	3234-42	6	Screw-HHF
18	104-8301	6	Nut-Flange, NI
19	117-3369	1	Fender-Rear, RH
20	117-3368	1	Fender-Rear, LH
23	9335054	1	Pin-Hair
24	3250-32	2	Screw-PPH



Storage Compartment Assembly

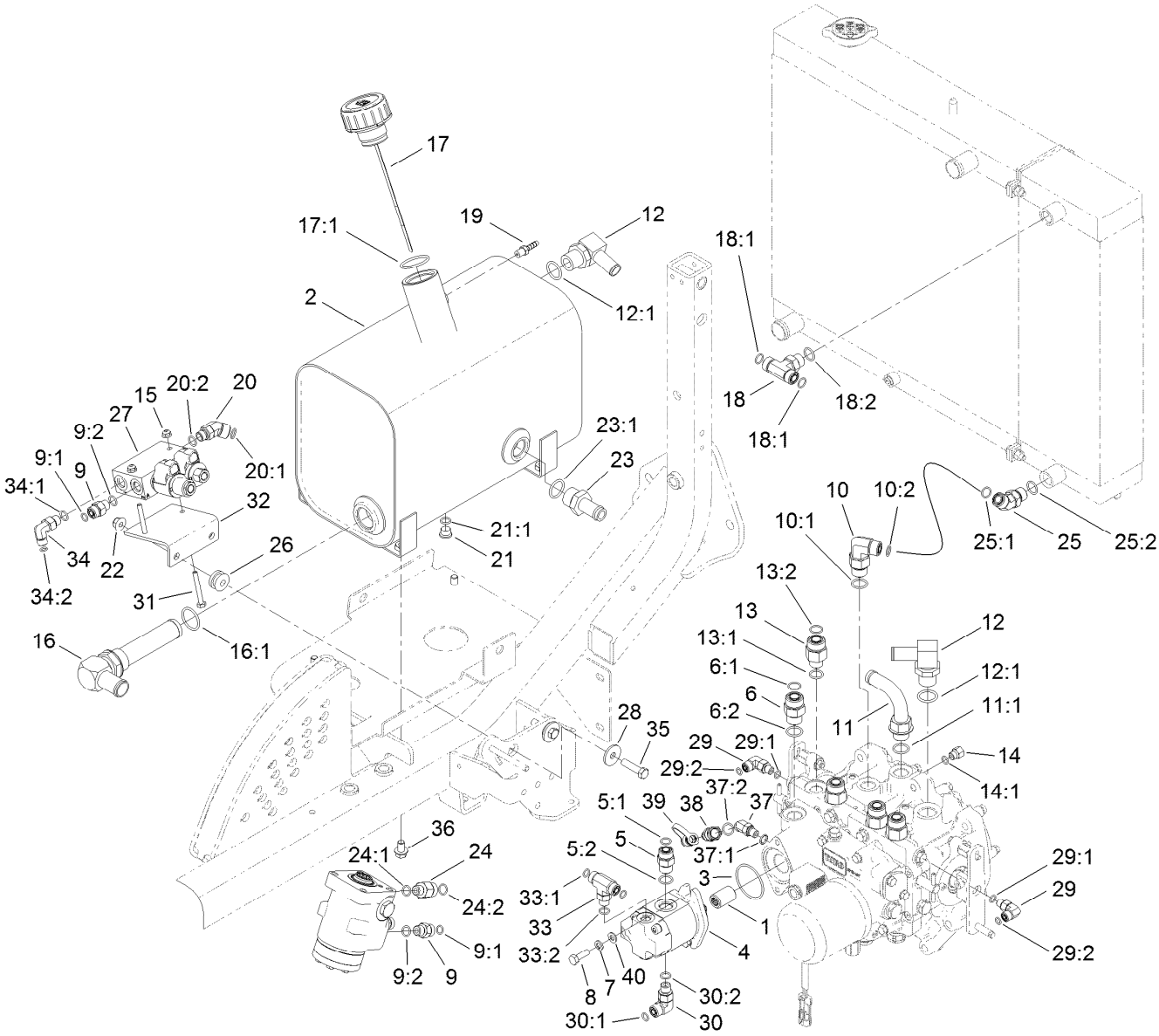
Ref.	*Part Number*	*Qty.*	*Description*
1	120-0222	1	Housing ASM
2	117-3185-03	1	Cover-Storage
3	117-3186-03	1	Panel-Lower
4	117-3189	2	Rod-Hinge
5	58-4250	1	Catch-Magnetic
6	104-7201	6	Nut-HF
7	3234-4	4	Screw-HHF
8	117-3187-03	1	Support-Housing
9	110-9380	2	Screw-HWH
10	120-0259	1	Decal-Service Instructions
11	3229-1	2	Screw-CARR



Deck Lift Valve and Hydraulic Fitting Assembly

Ref.	Part Number	Qty.	Description
1	108-9920	1	Coupler-Spline, 9T
2	117-3372	1	Tank-Hydraulic, Metal
3	108-9919	1	O-Ring
4	115-0375	1	Gear Pump ASM
5	340-4	1	Fitting-HYD, Straight
5:1	237-30	1	O-Ring
5:2	237-79	1	O-Ring
6	340-7	1	Adapter
6:1	237-65	1	O-Ring
6:2	237-80	1	O-Ring
7	3253-4	2	Washer-Lock
8	33114-025	2	Screw-HH
9	340-2	5	Fitting-HYD, Straight
9:1	237-22	1	O-Ring
9:2	237-42	1	O-Ring
10	340-105	1	Fitting-HYD, 90 DEG
10:1	237-80	1	O-Ring
10:2	237-30	1	O-Ring
11	110-5522	1	Fitting-Elbow, 90
11:1	237-80	1	O-Ring

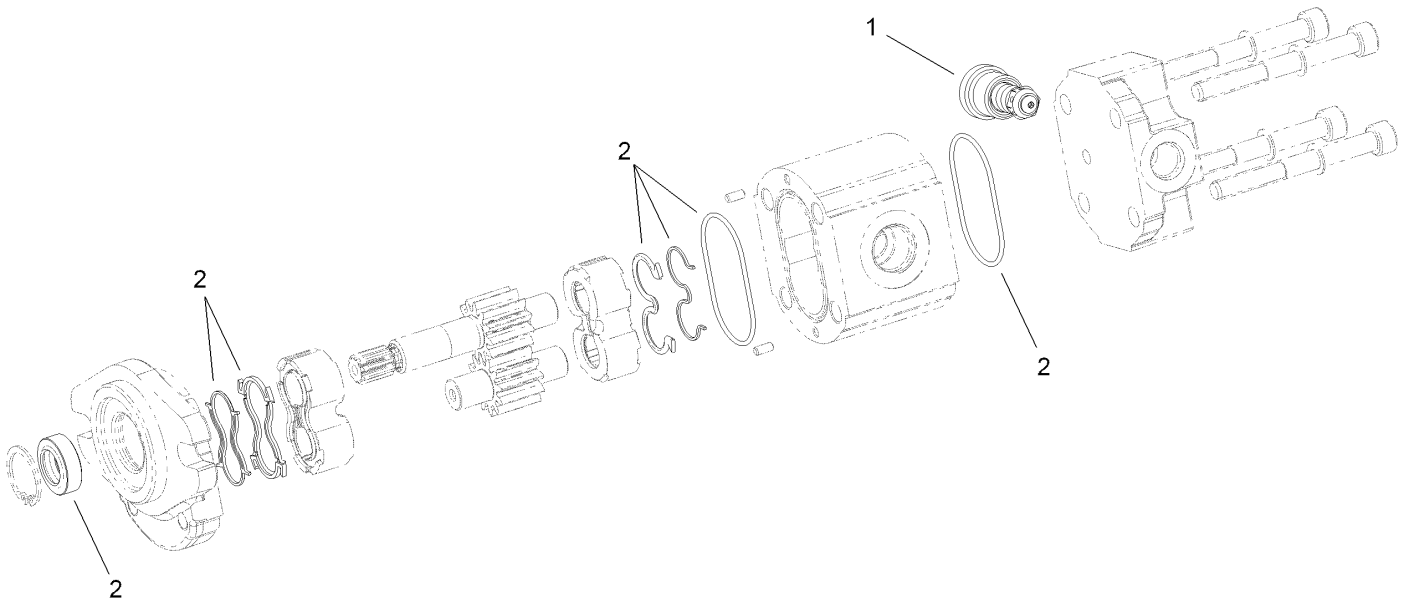
Ref.	Part Number	Qty.	Description
12	353-987	2	Fitting-HYD, 90 DEG (Barbed)
12:1	237-81	1	O-Ring
13	340-155	4	Fitting-HYD, Straight
13:1	237-79	1	O-Ring
13:2	237-151	1	O-Ring
14	110-5536	1	Fitting-HYD, Adapter
14:1	237-78	1	O-Ring
15	104-7201	2	Nut-HF
16	105-0204	1	Strainer Fitting ASM
16:1	237-146	1	O-Ring
17	117-3389	1	Cap-Tank, Hydraulic
17:1	237-101	1	O-Ring
18	340-157	1	Fitting-HYD, Tee
18:1	237-79	1	O-Ring
18:2	237-30	2	O-Ring
19	94-7220	1	Hose-Barb
20	340-96	1	Adapter
20:1	237-30	1	O-Ring
20:2	237-42	1	O-Ring
21	353-989	1	Plug-Hex, Hollow



Deck Lift Valve and Hydraulic Fitting Assembly (continued)

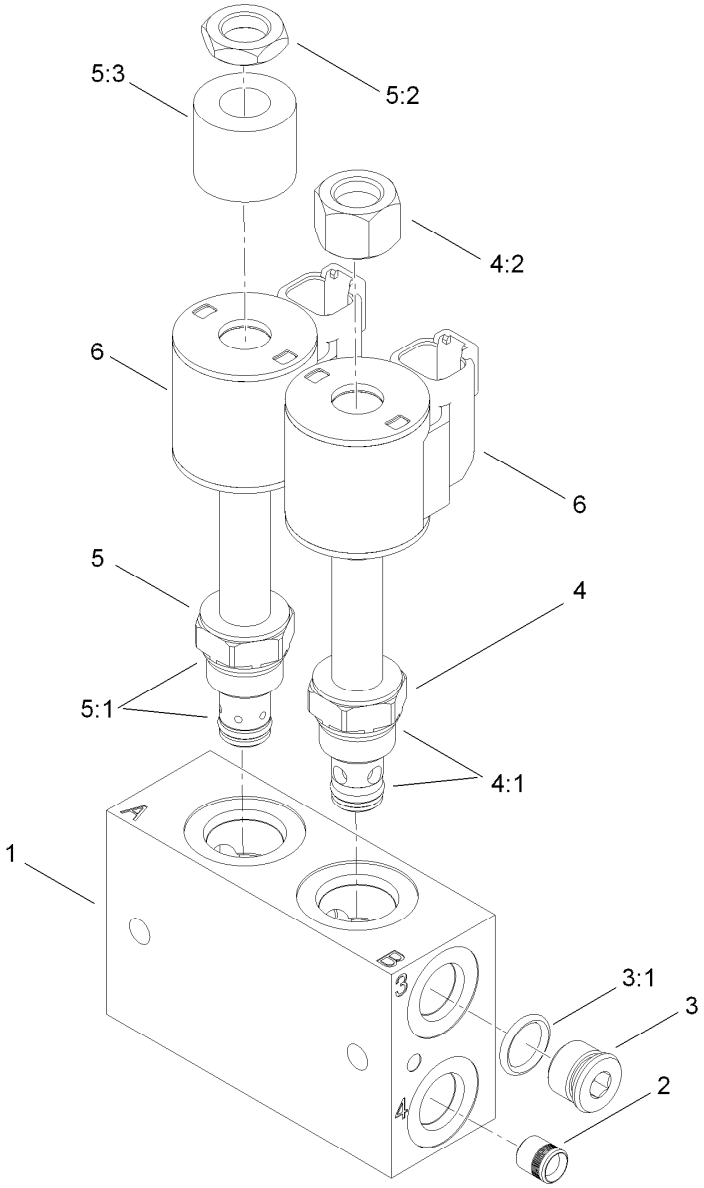
Ref.	Part Number	Qty.	Description
21:1	237-42	1	O-Ring
22	104-8301	2	Nut-Flange, NI
23	354-73	1	Fitting-Straight
23:1	237-81	1	O-Ring
24	340-5	1	Fitting-Straight
24:1	237-42	1	O-Ring
24:2	237-30	1	O-Ring
25	340-101	1	Fitting-HYD, 45 DEG
25:1	237-30	1	O-Ring
25:2	237-79	1	O-Ring
26	63-9750	2	Mount
27	115-0356	1	Deck Lift Valve ASM
28	63-8410	2	Washer
29	340-132	2	Fitting-HYD, 90 DEG
29:1	237-78	1	O-Ring
29:2	237-21	1	O-Ring
30	340-77	1	Fitting-HYD, 90 DEG
30:1	237-22	1	O-Ring

Ref.	Part Number	Qty.	Description
30:2	237-42	1	O-Ring
31	321-11	2	Screw-HH
32	115-0355-03	1	Plate-Mount, Valve
33	340-94	1	Adapter
33:1	237-22	2	O-Ring
33:2	237-42	1	O-Ring
34	340-82	1	Adapter
34:1	237-42	1	O-Ring
34:2	237-21	1	O-Ring
35	323-8	2	Screw-HH
36	32144-15	4	Screw-HHFTF
37	340-103	1	Fitting-HYD, 45 DEG
37:1	237-78	1	O-Ring
37:2	237-21	1	O-Ring
38	115-8886	1	Nipple-Test
39	354-79	1	Cap-Dust
40	3256-23	2	Washer-Flat



Hydraulic Gear Pump Assembly No. 115-0375

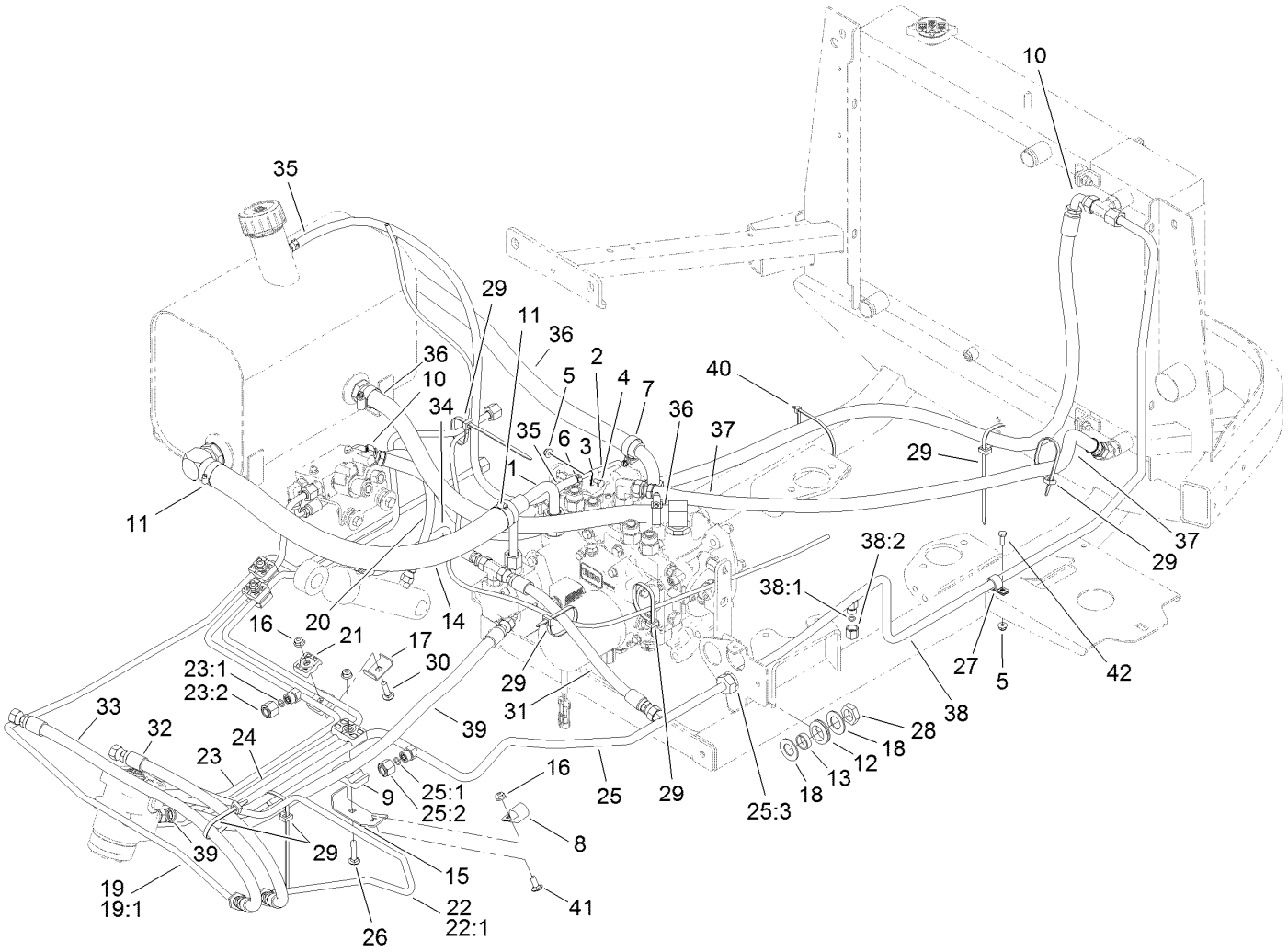
Ref.	*Part Number*	*Qty.*	*Description*
1	115-0376	1	Valve-Relief, 125 Bar
2	112-0199	1	Seal Kit



Deck Lift Valve Assembly No. 115-0356

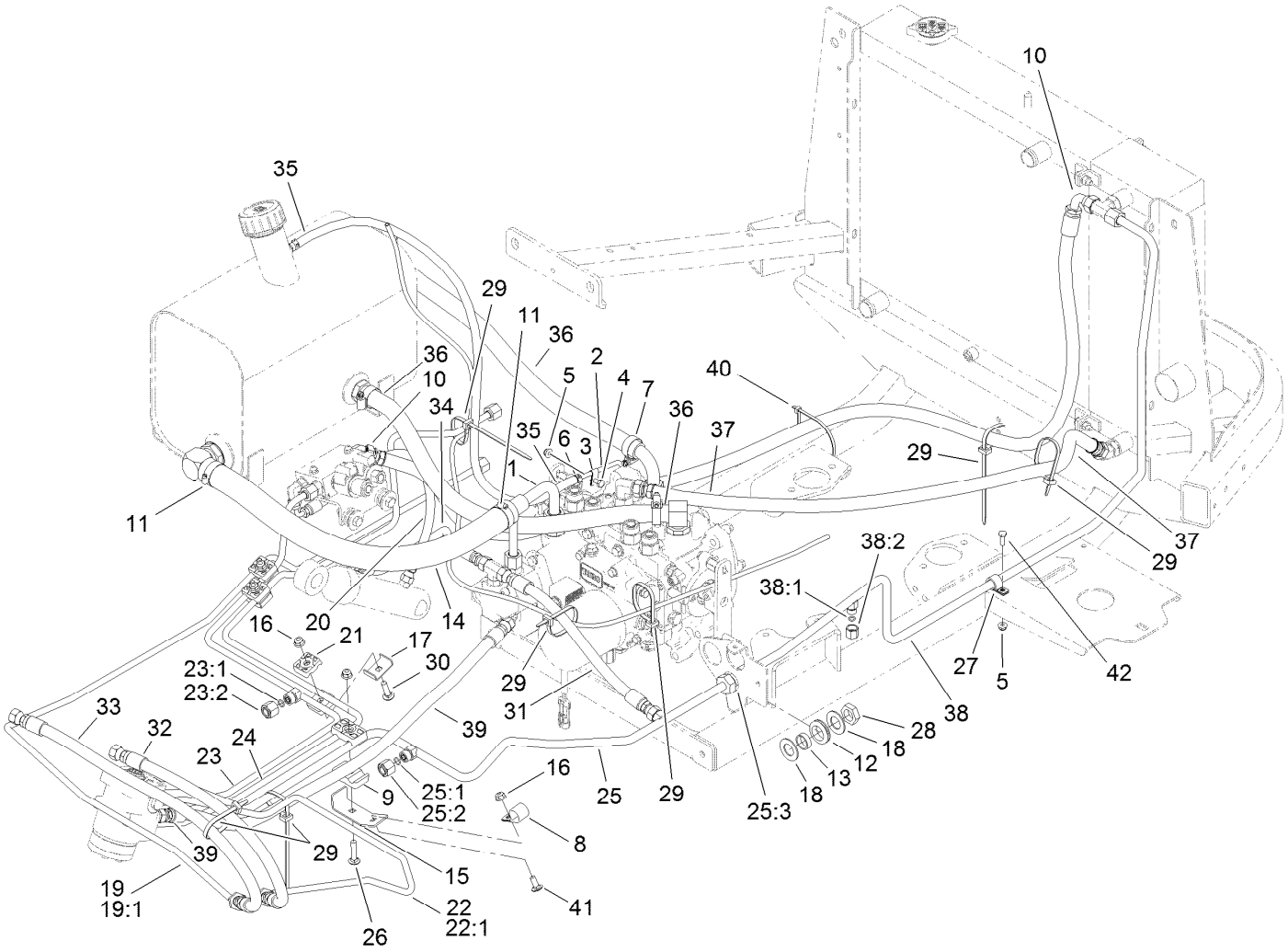
Ref.	*Part Number*	*Qty.*	*Description*
1		1	Block-Manifold ●
2		1	Plug ●
3	353-512	1	Plug
3:1	237-78	1	O-Ring
4	107-7517	1	Valve-Solenoid
4:1	105-9156	1	Seal Kit
4:2	107-7812	1	Nut-Solenoid
5	110-8898	1	Valve-Solenoid
5:1	107-7527	1	Seal Kit
5:2	110-2634	1	Nut-Coil
5:3	110-8909	1	Spacer-Coil
6	119-8036	1	E-Coil,12 Vdc,-08

● Not serviced separately



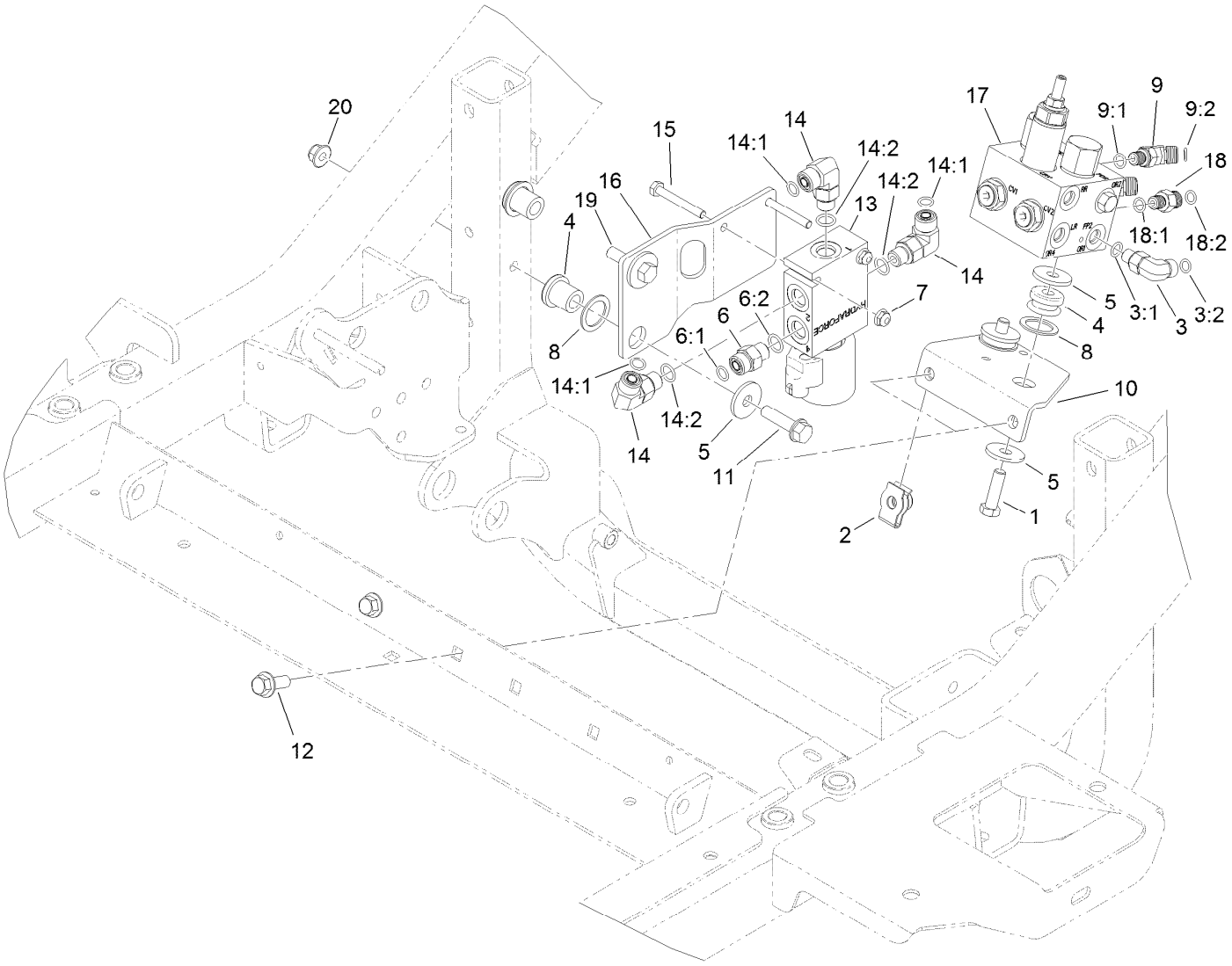
Hydraulic Tube and Hose Assembly

Ref.	Part Number	Qty.	Description
1	115-0184	1	Suction Tube ASM
2	110-5537	1	Tube ASM
3	2412-72	1	Clip-Closed, Insulated
4	321-4	1	Screw-HH
5	104-7201	2	Nut-HF
6	2412-98	2	Clamp-Hose
7	2412-129	4	Clamp-Hose
8	2412-4	1	Clamp
9	56-7972	2	Clamp-Tube
10	117-3129	1	Hose ASM
11	2412-34	2	Clamp-Hose
12	240-5	1	Grommet
13	69-8960	1	Spacer
14	117-3200	1	Hose-Suction
15	120-0245	1	Bracket-Support
16	104-8300	5	Nut-Flange, NI
17	119-1418	3	Plate-Clamp
18	69-8930	2	Washer
19	117-3117	1	Tube-Steering Manifold, Front Cylinder
19:1	237-22	1	O-Ring
20	112-9185	1	Hose-HYD
21	56-7973	6	Clamp-Tube
22	117-3110	1	Tube-Steering, Front
22:1	237-22	1	O-Ring
23	117-3111	1	Tube-Steering, Lift
23:1	237-22	1	O-Ring
23:2	340-117	1	Cap
24	117-3112	1	Tube-Steering, Manifold
25	117-3113	1	Tube-Steering, Drain
25:1	237-22	2	O-Ring
25:2	340-117	1	Cap
25:3	237-30	1	O-Ring
26	3230-4	1	Screw-CARR
27	2412-87	1	Clamp-Cable
28	340-127	1	Nut-Bulkhead
29	3290-378	2	Tie-Cable
30	3230-3	3	Screw-CARR
31	117-3122	1	Hose ASM
32	119-1433	1	Hose ASM
33	100-5629	1	Hose ASM
34	117-3123	1	Hose ASM



Hydraulic Tube and Hose Assembly (continued)

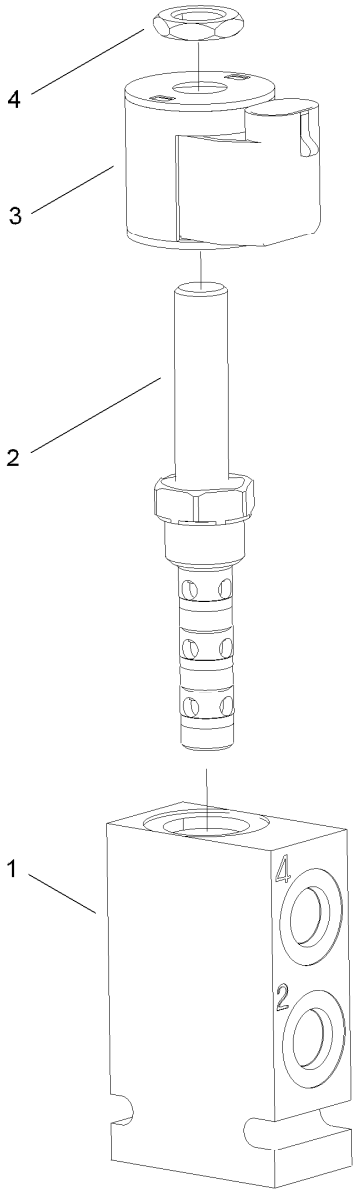
Ref.	Part Number	Qty.	Description
35	109-0275	1	Hose-Fuel
36	117-3121	2	Hose ASM
37	117-3128	1	Hose ASM
38	117-3114	1	Tube-Drain, Cooler
38:1	237-21	1	O-Ring
38:2	117-3297	1	Fitting-Cap
39	119-8114	1	HYD Hose ASM
40	3334-945	5	Tie-Cable
41	3230-23	1	Screw-CARR
42	321-5	1	Screw-HH



Hydraulic Valve Assembly

Ref.	Part Number	Qty.	Description
1	323-7	2	Screw-HH
2	105-4886	2	Nut-Tinnerman
3	340-132	1	Fitting-HYD, 90 DEG
3:1	237-78	1	O-Ring
3:2	237-21	1	O-Ring
4	63-9750	4	Mount
5	63-8410	6	Washer
6	340-2	1	Fitting-HYD, Straight
6:1	237-22	1	O-Ring
6:2	237-42	1	O-Ring
7	104-7201	2	Nut-HF
8	1-303352	4	Washer-Spindle
9	340-103	2	Fitting-HYD, 45 DEG
9:1	237-78	1	O-Ring
9:2	237-21	1	O-Ring
10	119-1409-03	1	Mount-Plate

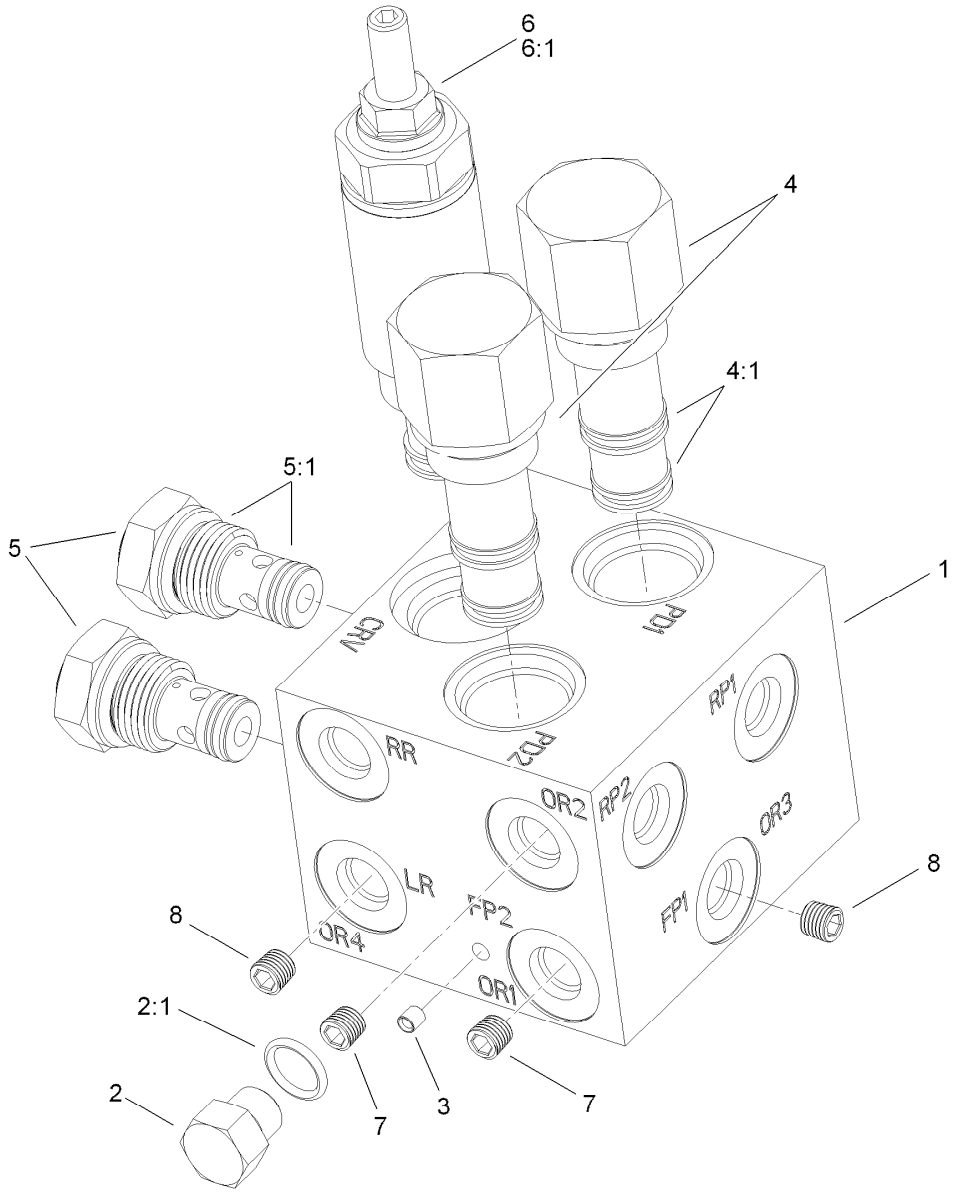
Ref.	Part Number	Qty.	Description
11	323-20	1	Screw-HH
12	3234-42	2	Screw-HHF
13	115-0280	1	Steer Selector Valve ASM
14	340-77	3	Fitting-HYD, 90 DEG
14:1	237-22	1	O-Ring
14:2	237-42	1	O-Ring
15	321-11	2	Screw-HH
16	115-0384-03	1	Plate-Valve Mount
17	117-2247	1	Cross-Trax Traction Valve ASM
18	340-92	1	Fitting-HYD, Straight
18:1	237-78	1	O-Ring
18:2	237-21	1	O-Ring
19	323-8	1	Screw-HH
20	104-8301	2	Nut-Flange, NI



Steering Selector Valve Assembly No. 115-0280

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Block-Manifold ●
2	119-8042	1	Valve-Solenoid
3	110-6344	1	Coil-12V, Dc
4	110-2634	1	Nut-Coil

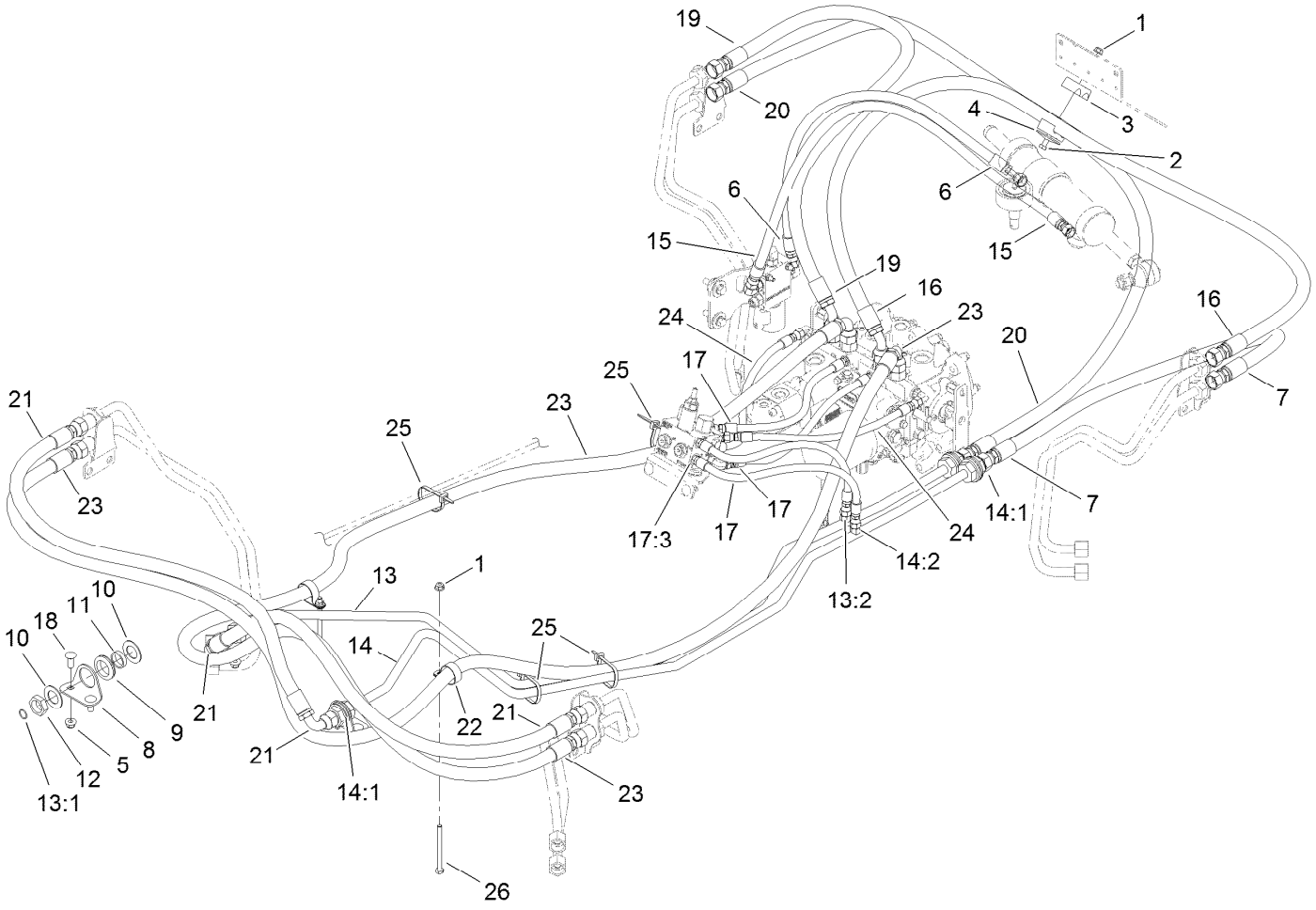
● Not serviced separately



Cross-Trax Traction Valve Assembly No. 117-2247

Ref.	*Part Number*	*Qty.*	*Description*
1		1	Block-Manifold ●
2	117-0115	1	Plug-HYD
2:1	237-78	1	O-Ring
3		1	Plug-4Mm ●
4	119-8028	2	Valve-Pilot, Directional
4:1	119-8029	1	Pilot Valve Seal Kit
5	119-8030	2	Valve-Check
5:1	119-8031	1	Seal Kit-Check Valve
6	119-8032	1	Valve-Relief
6:1	119-8033	1	Relief Valve Seal Kit
7	119-8034	2	Orifice-.090
8	119-8035	2	Orifice-.040

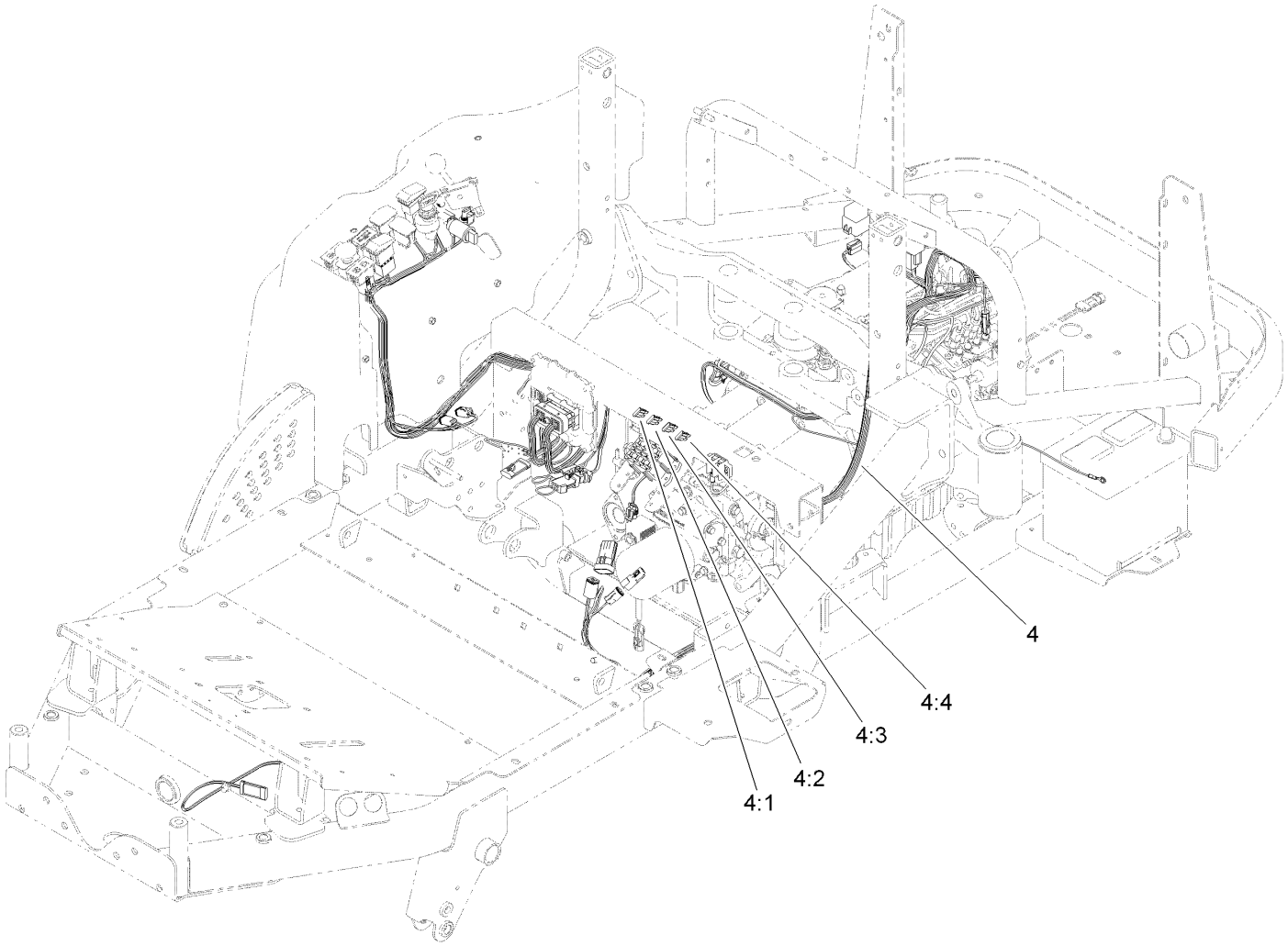
● Not serviced separately



4 Wheel Drive Hydraulic Hose Assembly

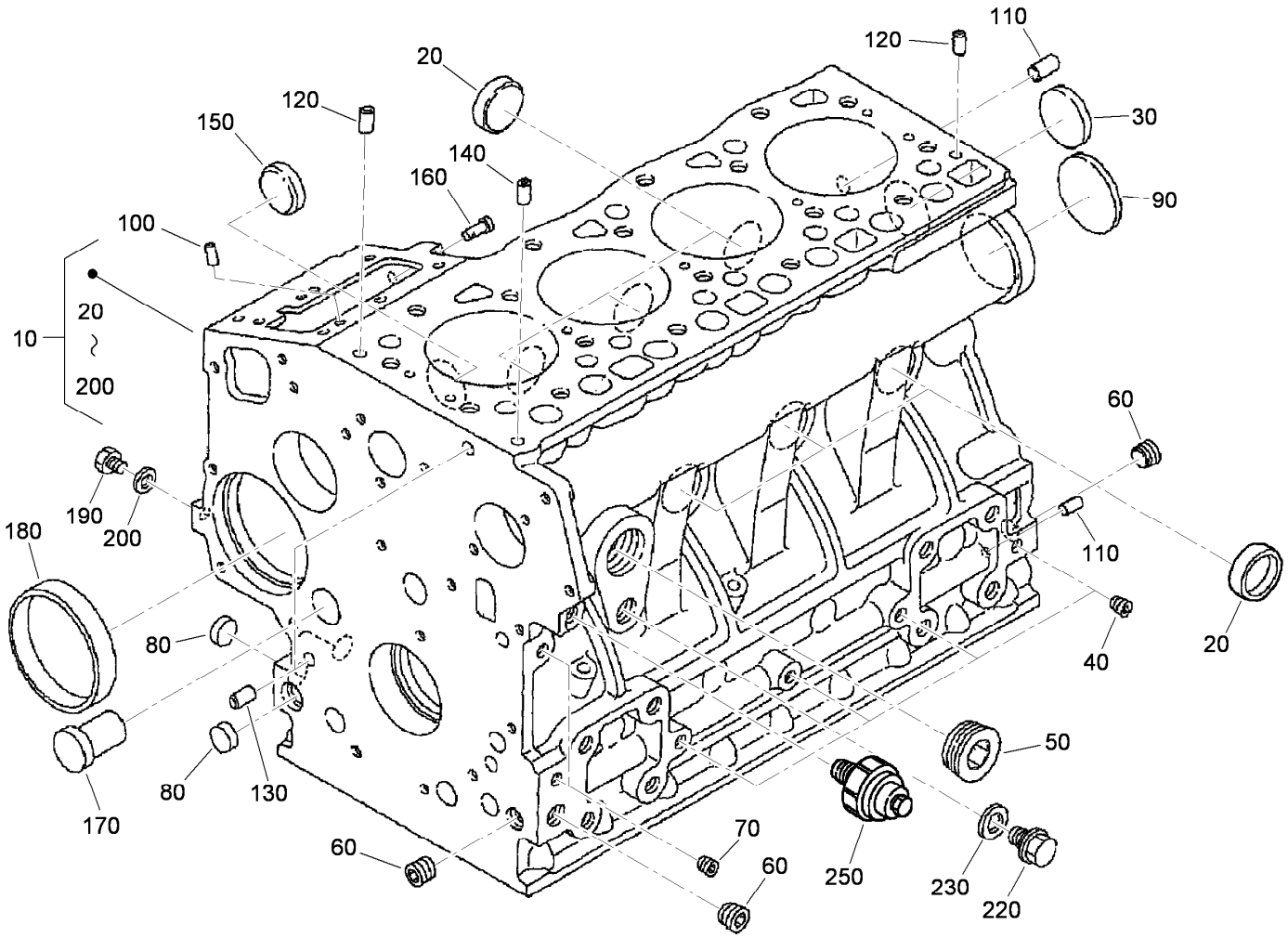
Ref.	Part Number	Qty.	Description
1	104-8300	3	Nut-Flange, NI
2	322-11	1	Screw-HH
3	56-7974	2	Clamp-Tube
4	69-9761	1	Coverplate
5	104-8301	4	Nut-Flange, NI
6	119-1431	1	Hose ASM
7	119-1435	1	Hose ASM
8	115-0479	2	Bracket-Bulkhead
9	240-3	4	Grommet-Rubber
10	69-9010	8	Washer
11	69-9000	4	Spacer
12	340-74	4	Nut-Lock, Bulkhead
13	117-3115	1	Tube ASM-Front Trax, RH
13:1	237-65	2	O-Ring
13:2	237-20	1	O-Ring
14	117-3116	1	Tube ASM-Front Trax, LH

Ref.	Part Number	Qty.	Description
14:1	237-65	2	O-Ring
14:2	237-21	1	O-Ring
15	119-1432	1	Hose ASM
16	117-3249	1	Hose ASM
17	115-0377	4	Hose ASM
17:3	237-78	1	O-Ring
18	3231-22	4	Screw-CARR
19	117-3130	1	Hose ASM
20	117-3248	1	Hose ASM
21	117-3124	2	Hose ASM
22	2412-74	2	R-Clamp
23	117-3126	2	Hose ASM
24	117-3127	2	Hose ASM
25	3334-945	4	Tie-Cable
26	322-19	2	Screw-HH



Electrical Assembly

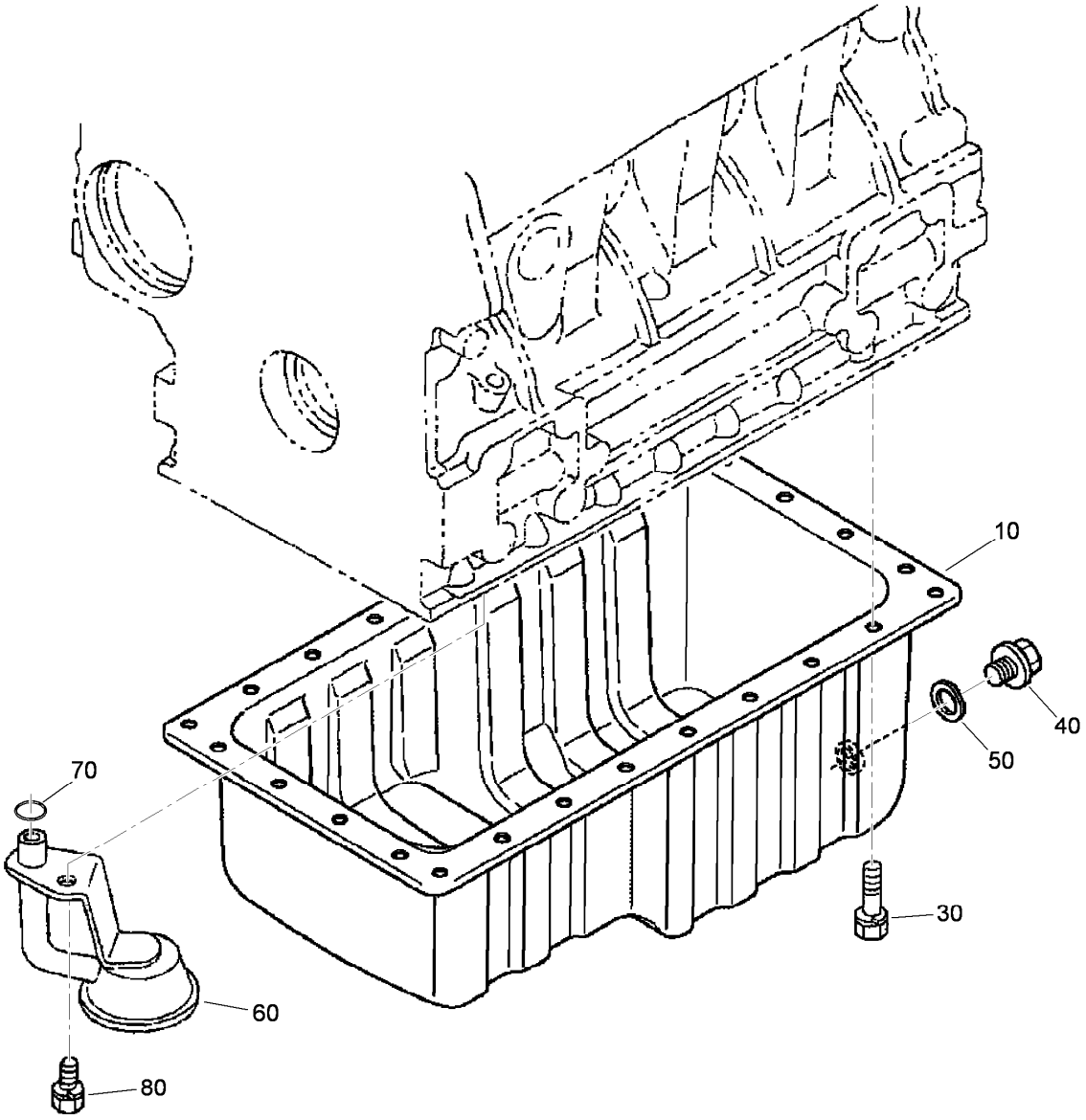
Ref.	*Part Number*	*Qty.*	*Description*
4	119-5783	1	Wire-Harness, Main
4:1	94-6710	1	Fuse-2 Amp
4:2	114241	3	Fuse-Blade, 7.5 Amp
4:3	218-578	4	Fuse-Blade, 10 Amp
4:4	109101	1	Fuse-Blade, 20 Amp



Crankcase Assembly

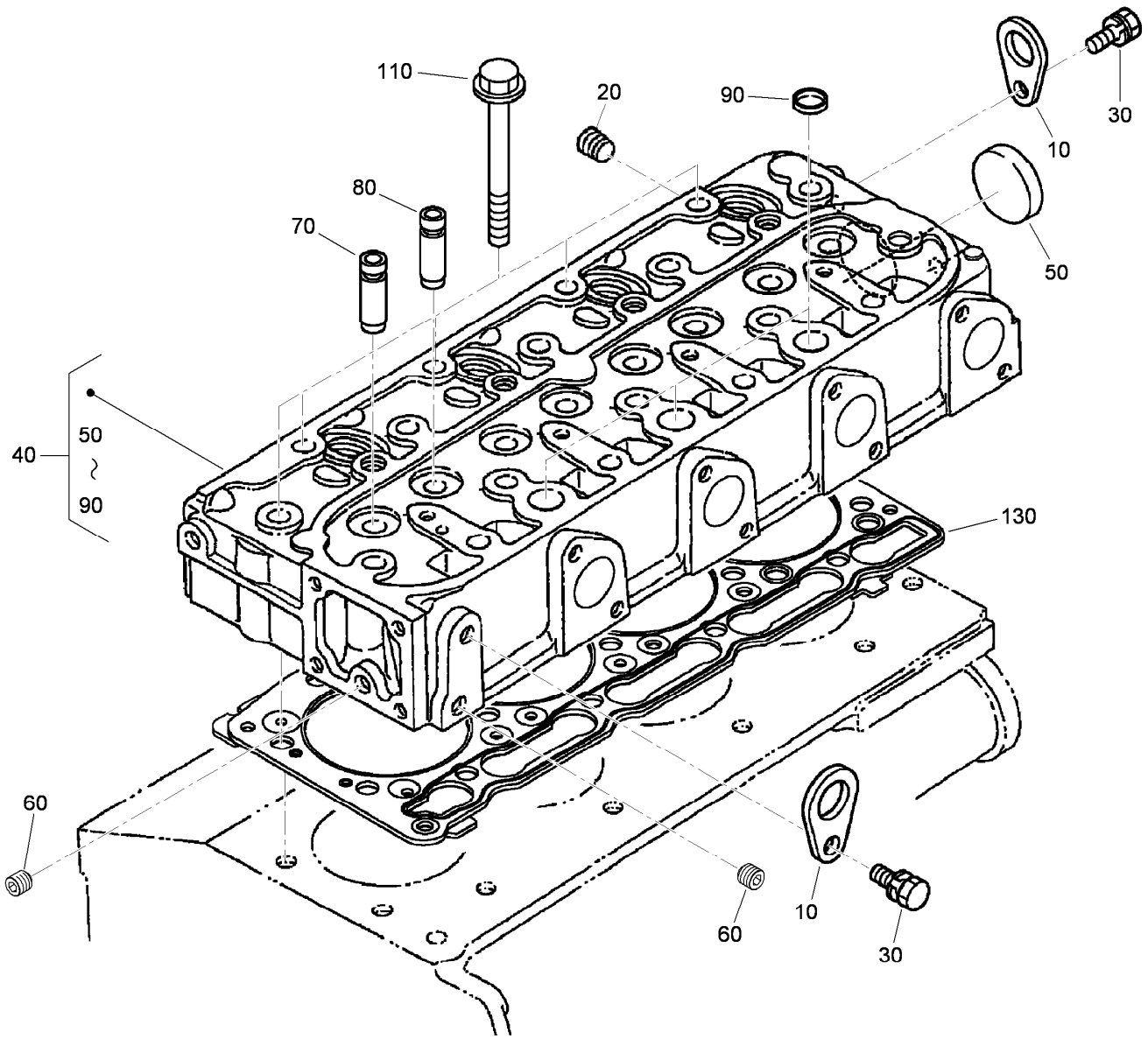
Ref.	Part Number	Qty.	Description
10	120-2558	1	Crankcase ASM
20	98-9398	6	Cap-Sealing
30	98-7539	1	Cap-Sealing
40	98-7540	4	Plug
50	105-3779	1	Plug
60	98-9597	3	Plug
70	98-7487	2	Plug
80	98-9379	3	Plug-Expansion
90	98-9668	1	Plug-Expansion
100	98-9375	2	Pin-Straight
110	98-9377	2	Pin-Straight
120	98-9376	2	Pin-Straight

Ref.	Part Number	Qty.	Description
130	98-9387	2	Pin-Pipe
140	98-9539	1	Pin-Pipe
150	98-9599	1	Plug
160	105-3796	1	Pin-Spring, Start
170	98-9675	1	Plug
180	98-9656	1	Bushing-Governor, Gear
190	120-2559	1	Plug
200	98-7428	1	Gasket
220	99-3447	1	Plug
230	106-7056	1	Gasket
250	98-9416	1	Switch-Oil



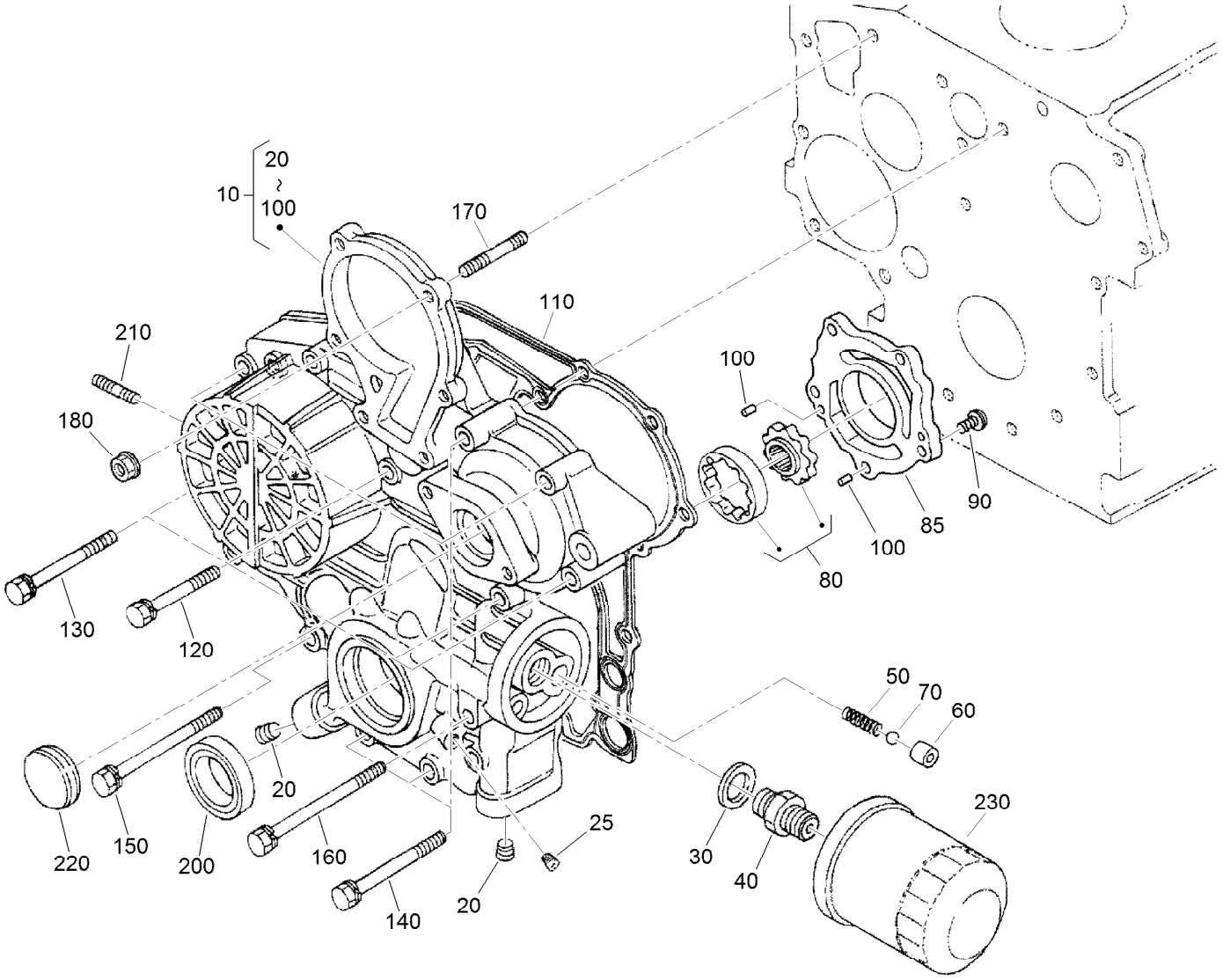
Oil Pan Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	112-0186	1	Pan-Oil
30	98-9351	26	Bolt
40	114-8151	1	Plug-Drain
50	98-7524	1	Gasket
60	112-7003	1	Head-Filter, Oil
70	105-3776	1	O-Ring
80	98-7526	1	Bolt



Cylinder Head Assembly

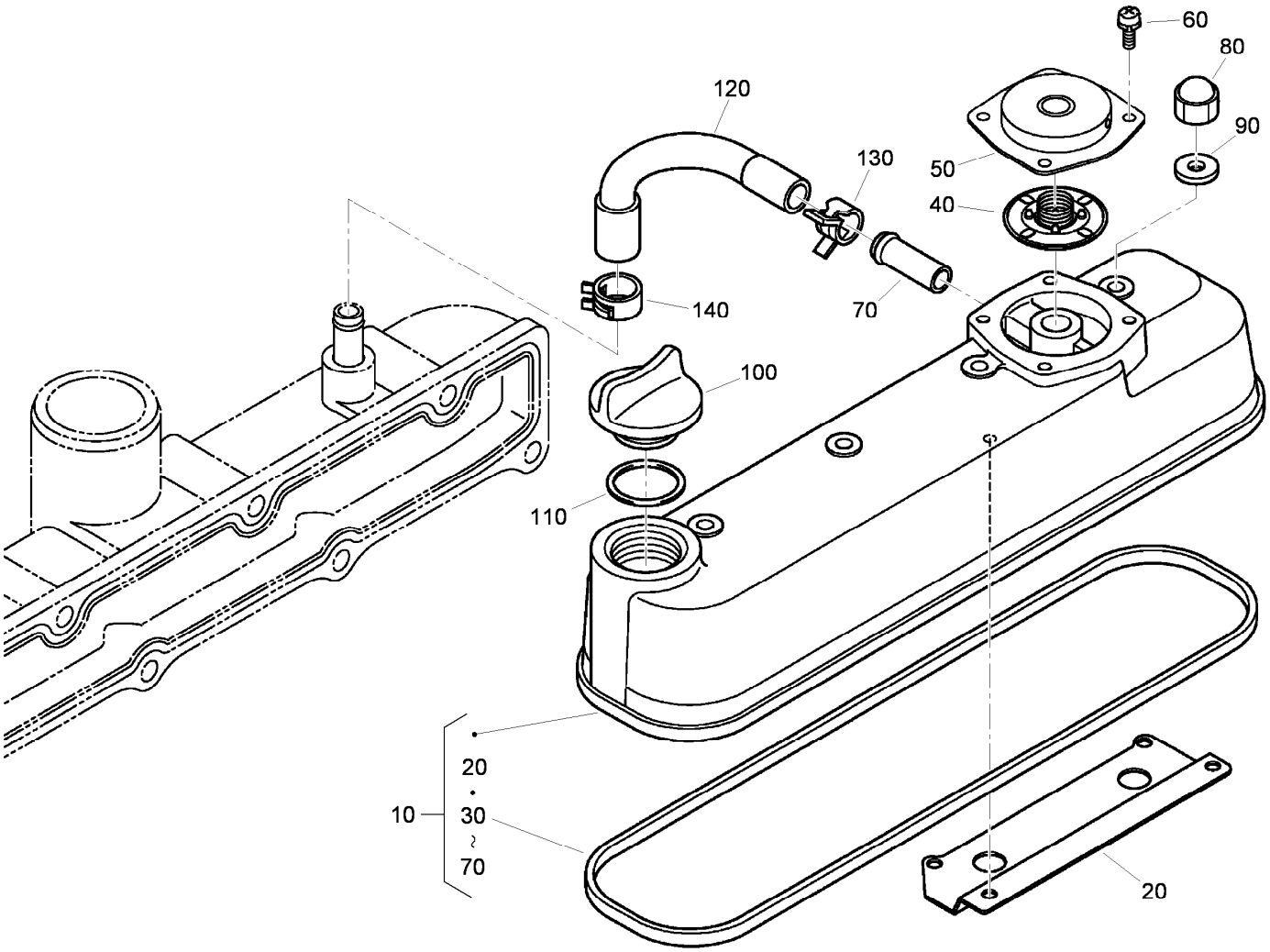
Ref.	*Part Number*	*Qty.*	*Description*
10	98-7531	2	Hook-Engine
20	98-9444	1	Plug
30	100-9195	2	Bolt
40	115-3012	1	Cylinder Head ASM
50	105-3705	1	Cap-Sealing
60	98-7540	2	Plug
70	107-9066	4	Guide-Valve, Inlet
80	107-9067	4	Guide-Valve, Exhaust
90	98-9389	3	Cap-Sealing
110	98-9479	18	Bolt-Head, Cylinder
130	108-2855	1	Gasket-Head, Cylinder



Gear Case Assembly

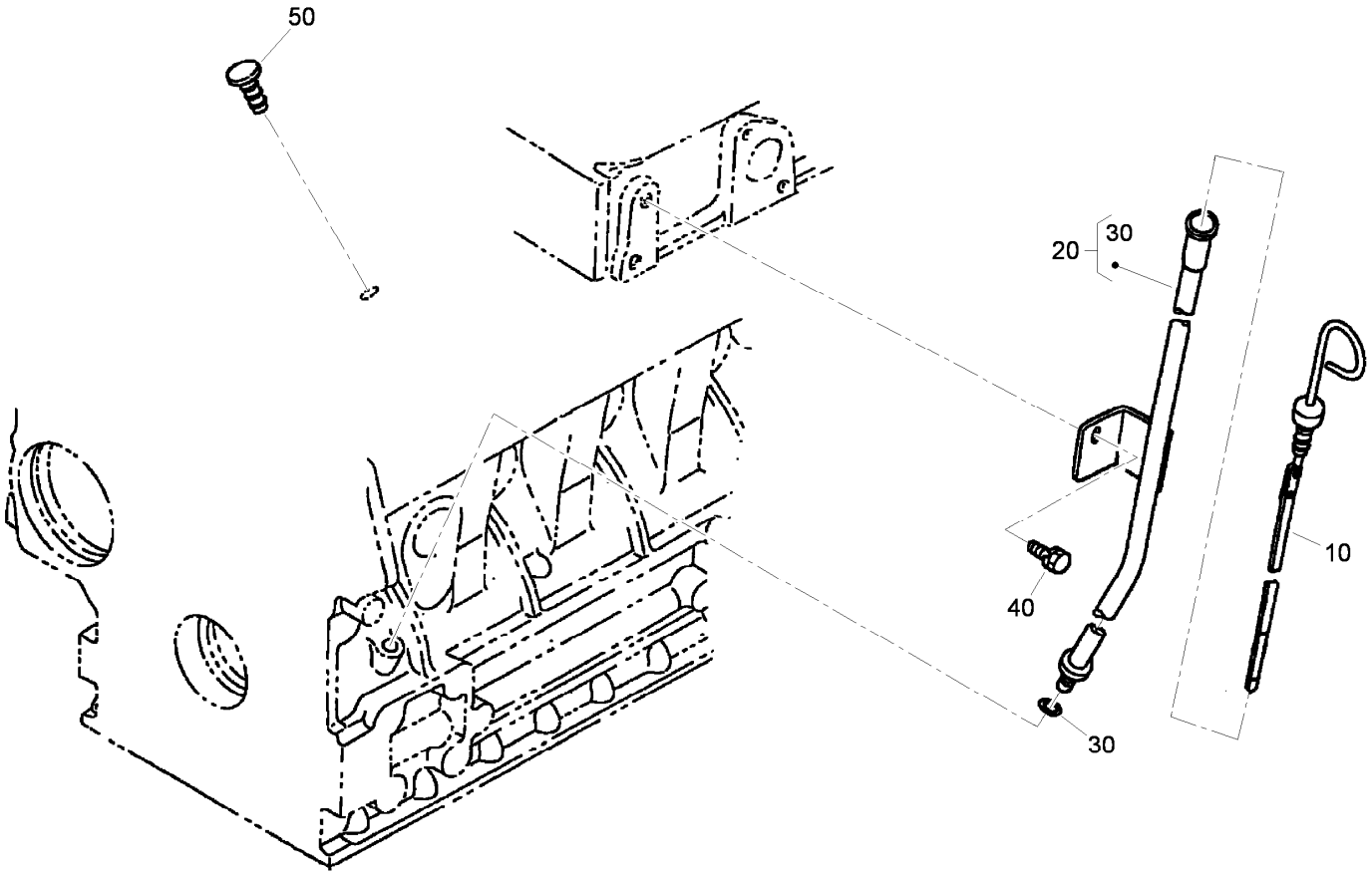
Ref.	Part Number	Qty.	Description
10	115-4105	1	Gear Case ASM
20	98-9598	2	Plug
25	98-7487	1	Plug
30	98-7562	1	Washer-Plain
40	98-9388	1	Joint-Pipe
50	98-9544	1	Spring
60	98-9543	1	Seat-Valve
70	98-9380	1	Ball
80	98-9540	1	Oil Pump Rotor ASM
85	107-9069	1	Cover-Pump, Oil
90	107-9071	5	Screw
100	107-9072	2	Pin-Straight

Ref.	Part Number	Qty.	Description
110	98-9633	1	Gasket-Case, Gear
120	107-9073	3	Bolt
130	105-3797	4	Bolt
140	98-9356	4	Bolt
150	107-9074	1	Bolt
160	98-9586	1	Bolt
170	105-3709	1	Stud
180	100-2203	1	Nut-Flange
200	119-8038	1	Seal-Oil
210	105-3710	2	Stud
220	98-9641	1	Cover-Case, Gear
230	108-3841	1	Filter-Oil



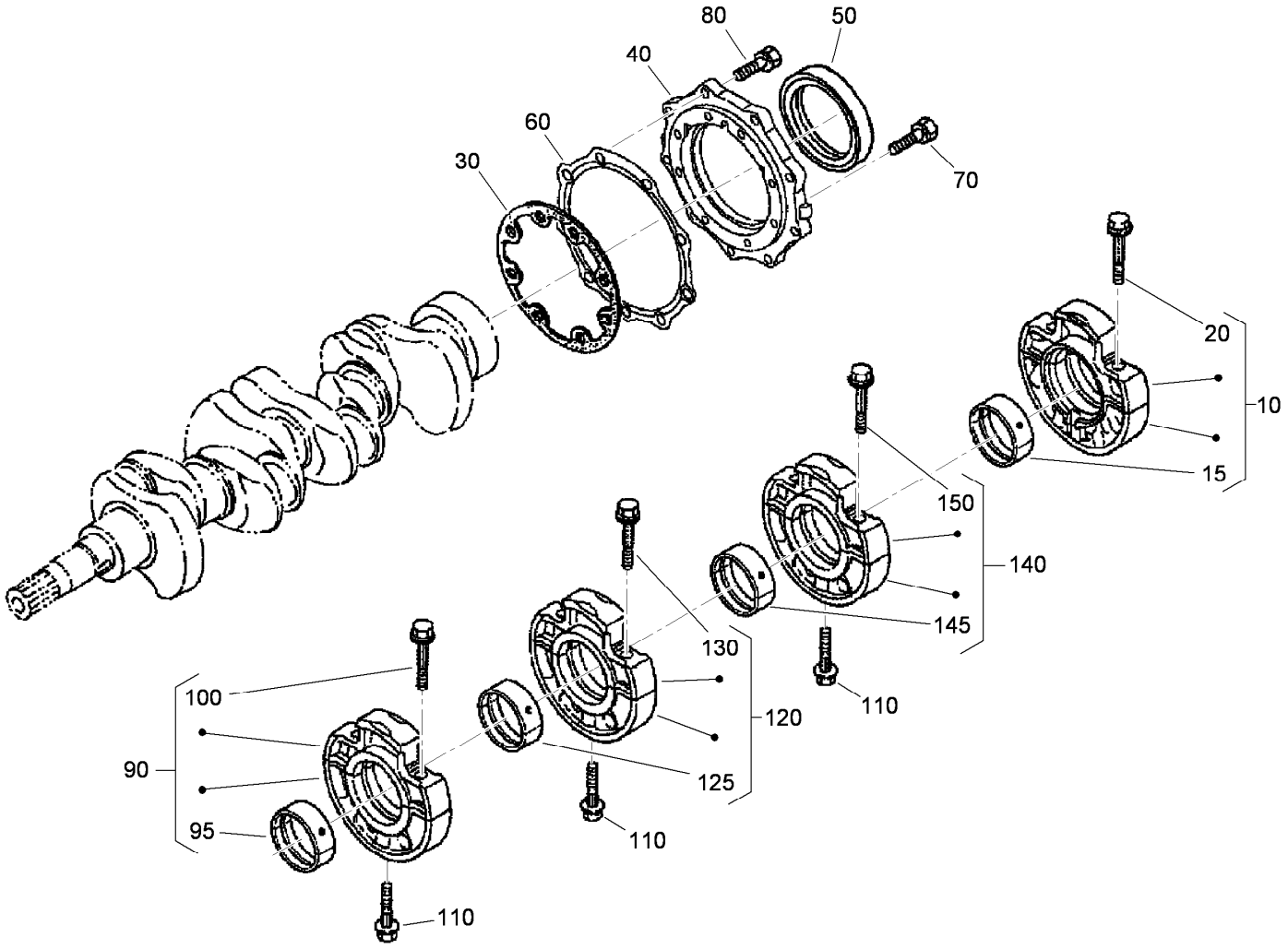
Cylinder Head Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	115-4130	1	Cylinder Head Cover ASM
20	108-2857	1	Shield-Breather
30	105-3712	1	Gasket-Cover, Head
40	110-3715	1	Valve-Breather
50	110-3714	1	Cover-Breather
60	98-9364	4	Screw (With Washer)
70	98-7766	1	Pipe-Return, Water
80	98-9455	4	Nut-Cap
90	98-9454	4	Gasket
100	107-9075	1	Plug-Filler, Oil
110	120-2560	1	O-Ring
120	108-2858	1	Tube-Breather
130	108-2859	1	Clamp-Hose
140	108-2860	1	Clamp-Hose



Dipstick and Guide Assembly

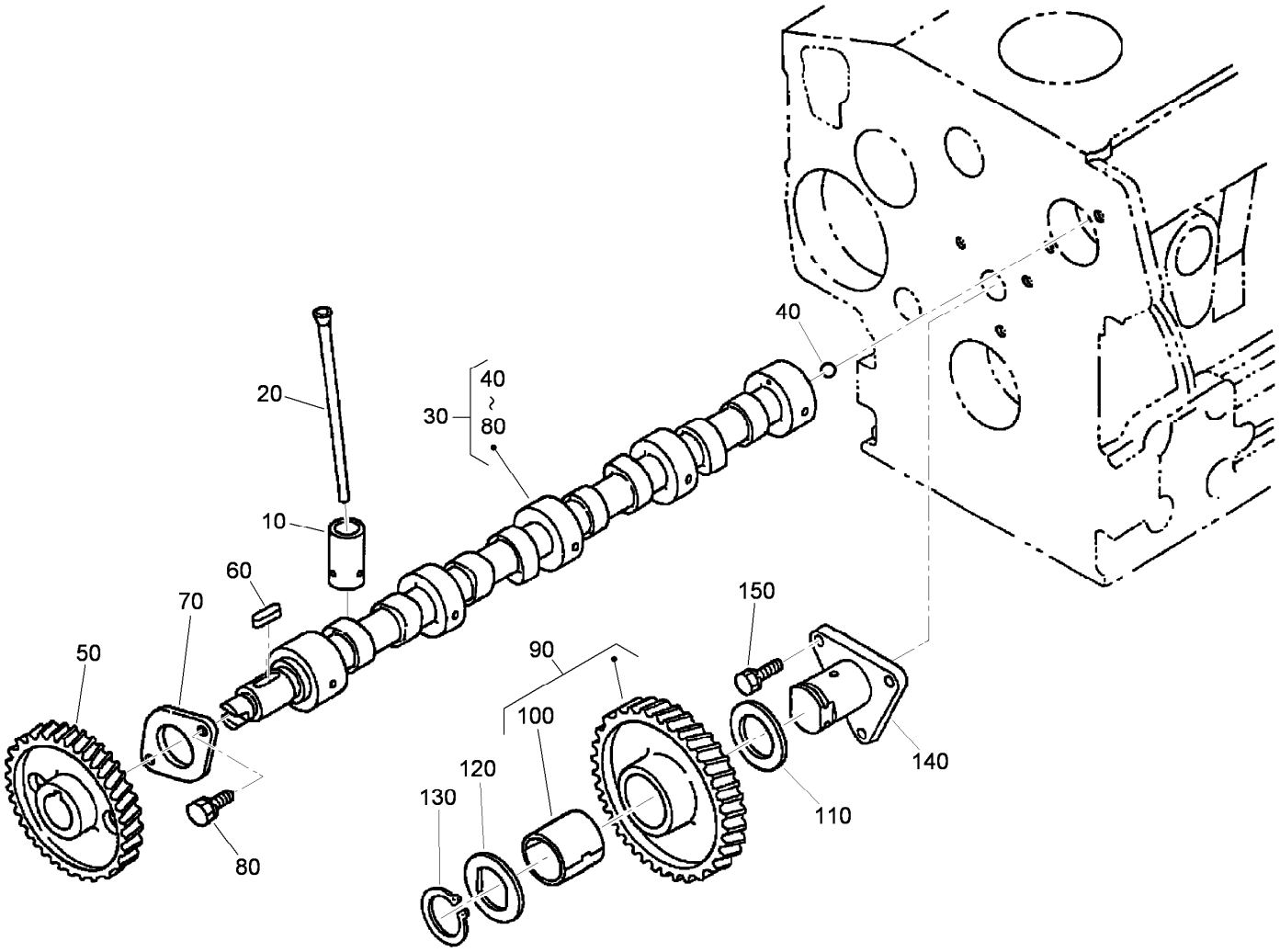
Ref.	*Part Number*	*Qty.*	*Description*
10	98-9670	1	Gauge-Oil
20	98-9672	1	Oil Gauge Guide ASM
30	98-9722	1	O-Ring
40	100-9195	1	Bolt
50	110-3720	1	Plug-Gauge, Oil



Main Bearing Case Assembly

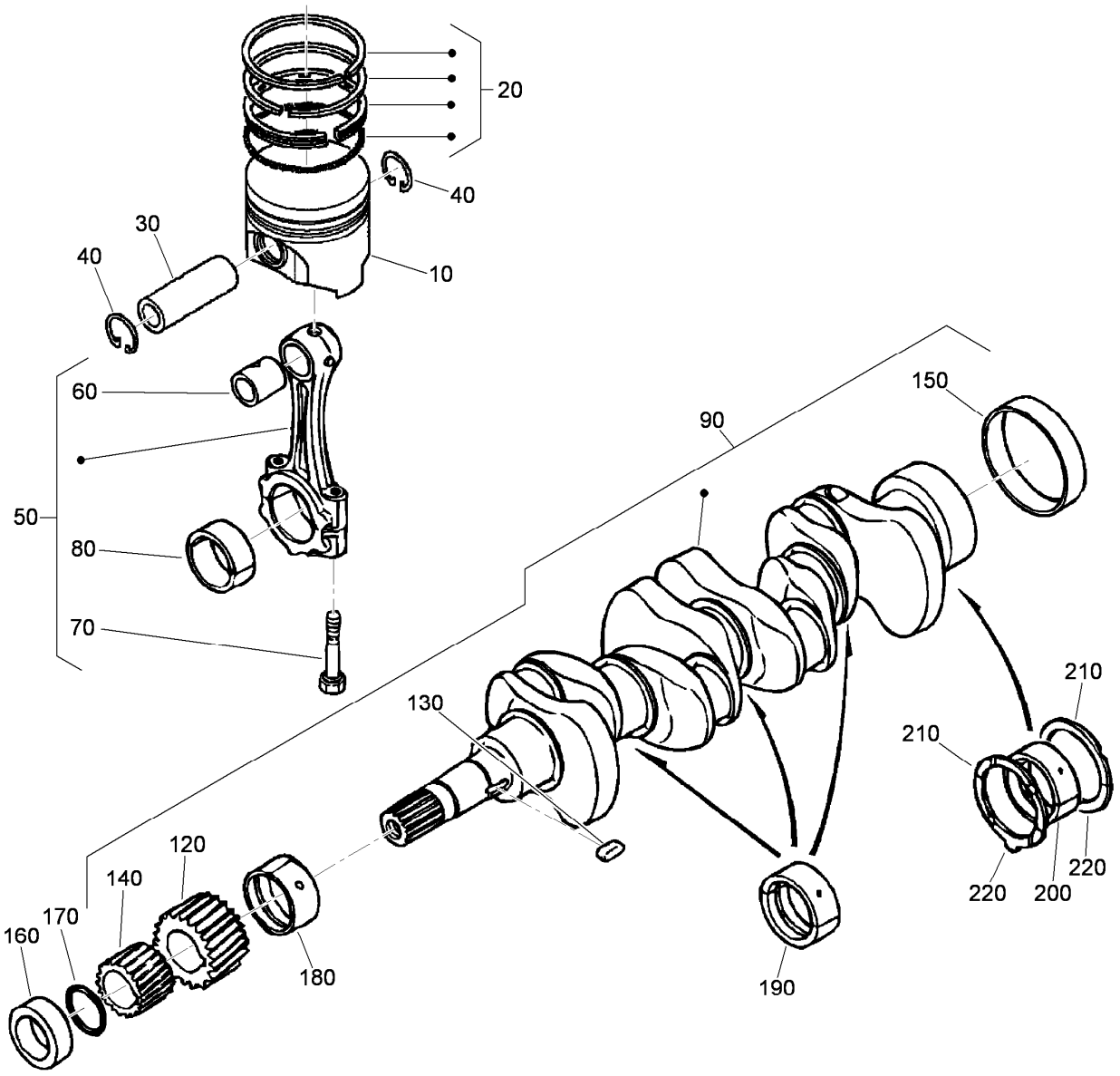
Ref.	Part Number	Qty.	Description
10	112-7026	1	Wheel Bearing Case ASM
15	115-4121	1	Metal-Crankshaft (STD)
20	98-9484	2	Bolt-Case, Bearing
30	98-9634	1	Gasket-Case, Bearing
40	112-7046	1	Cover-Case, Bearing
50	112-0180	1	Seal-Oil
60	112-7037	1	Gasket-Cover, Case
70	98-9352	8	Bolt
80	98-7568	9	Bolt
90	115-4106	1	Main Bearing Case ASM

Ref.	Part Number	Qty.	Description
95	98-9524	1	Metal-Crankshaft (STD Set)
100	98-9484	2	Bolt-Case, Bearing
110	98-9485	3	Bolt-Case, Bearing
120	115-4107	1	Main Bearing Case ASM
125	98-9524	1	Metal-Crankshaft (STD Set)
130	98-9484	2	Bolt-Case, Bearing
140	115-4108	1	Main Bearing Case ASM
145	98-9524	1	Metal-Crankshaft (STD Set)
150	98-9484	2	Bolt-Case, Bearing



Cam Shaft and Idle Gear Assembly

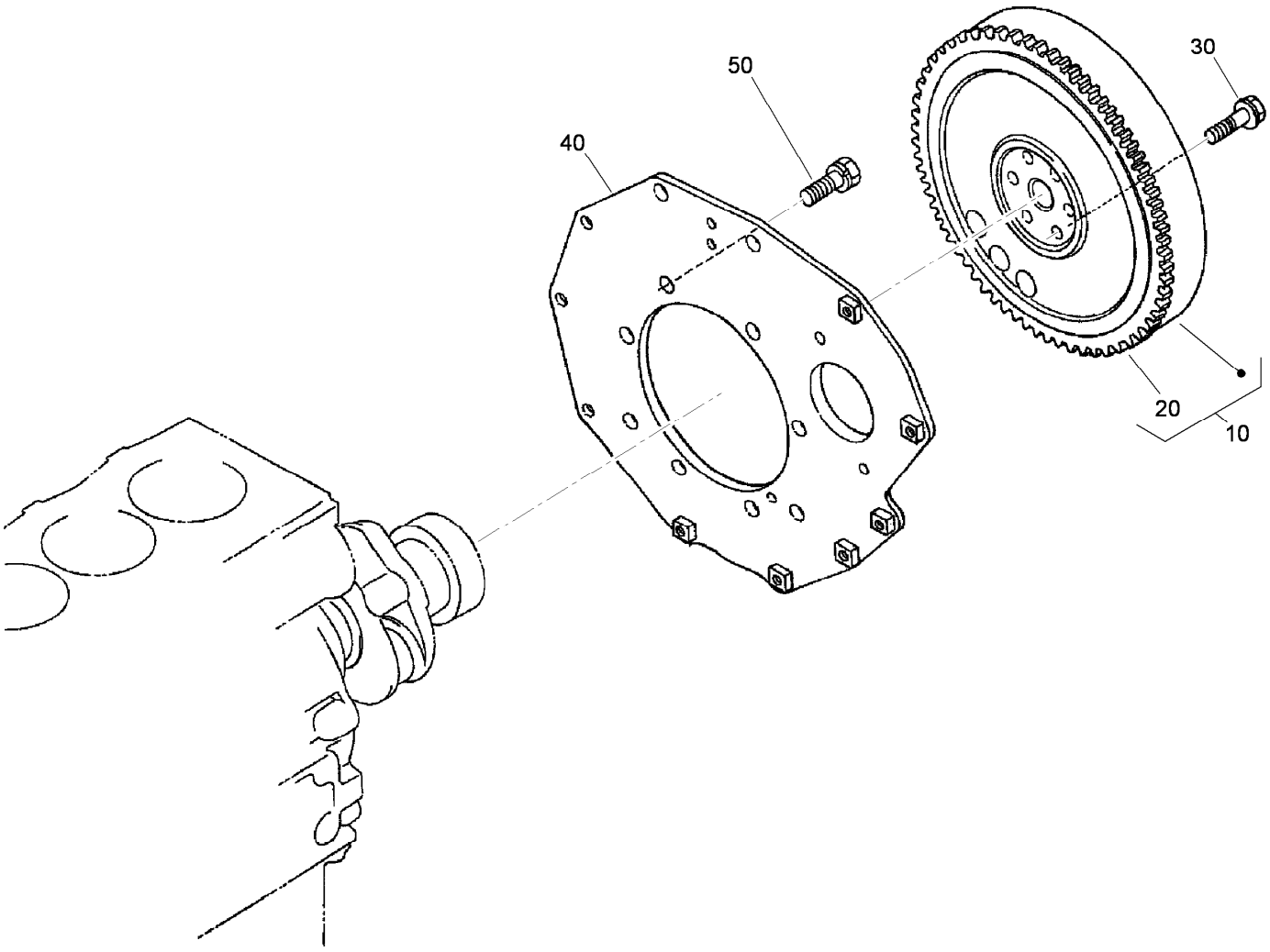
Ref.	*Part Number*	*Qty.*	*Description*
10	112-0185	8	Tappet
20	98-9509	8	Rod-Push
30	120-3116	1	Camshaft ASM
40	110-3729	1	Ball
50	98-9512	1	Gear-Cam
60	98-9378	1	Key-Feather
70	98-9510	1	Stopper-Camshaft
80	98-7692	2	Bolt
90	117-7584	1	Idler Gear ASM
100	117-7585	1	Bushing-Gear, Idle
110	98-9535	1	Collar-Gear, Idle
120	98-9536	1	Collar-Gear, Idle
130	98-9534	1	Circlip-Gear, Idle
140	98-9533	1	Shaft-Gear, Idle
150	98-7692	3	Bolt



Piston and Crankshaft Assembly

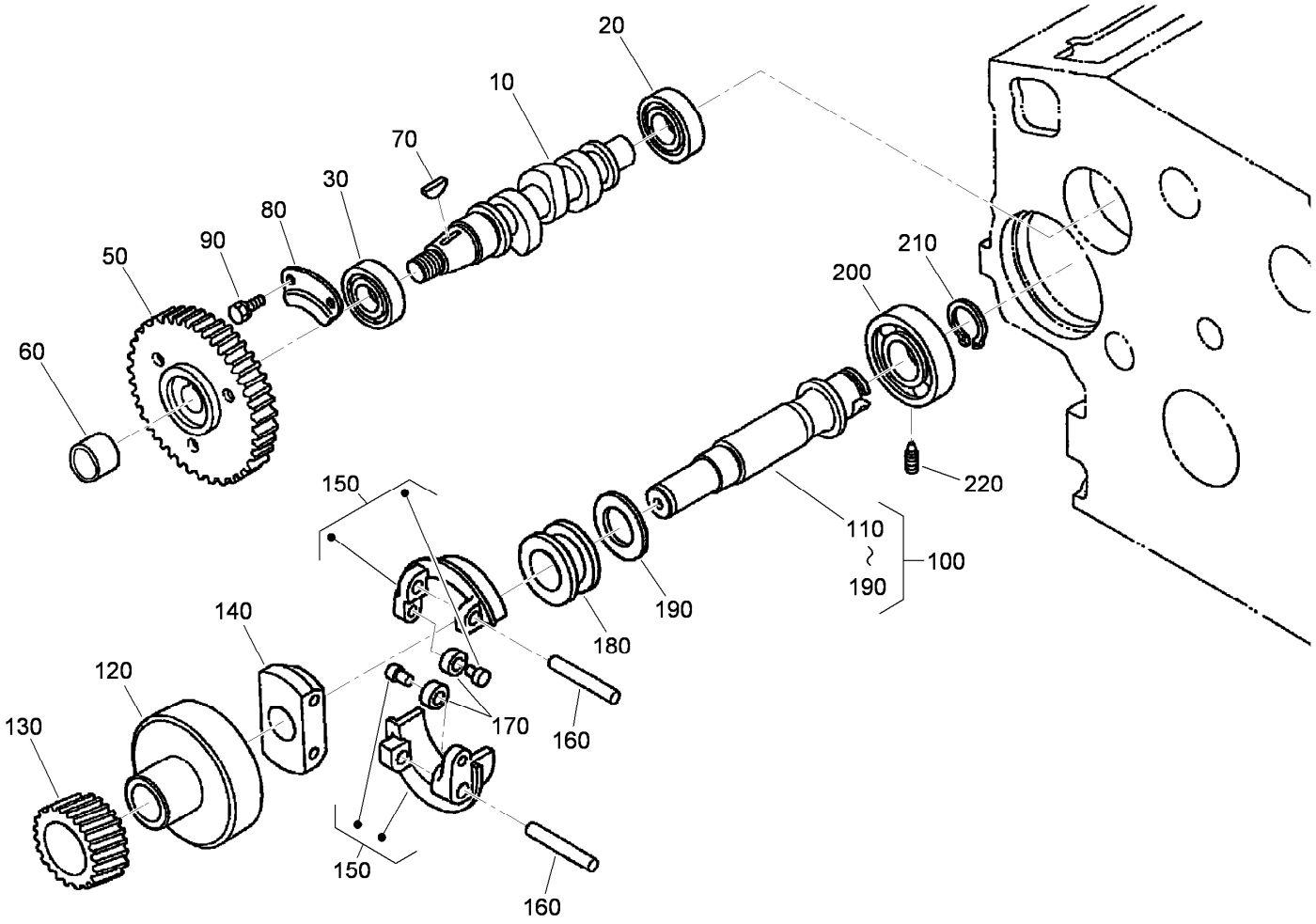
Ref.	Part Number	Qty.	Description
10	112-8404	4	Piston (STD)
10	112-8414	4	Piston (+0.5Mm)
20	98-9551	4	Piston Ring ASM (STD)
20	108-1404	4	Piston Ring ASM (0.5Mm)
30	98-9513	4	Pin-Piston
40	98-9514	8	Circlip-Pin, Piston
50	115-3013	4	Connecting Rod ASM
60	115-3014	4	Bushing-Pin, Piston
70	98-9517	8	Bolt-Rod, Connecting
80	98-9520	4	Bearing-Rod (0.4Mm)
80	98-9519	4	Bearing-Rod (0.2Mm)
80	98-9518	4	Metal-Crankpin (STD)
90	120-2561	1	Crankshaft ASM
120	117-7561	1	Gear-Crankshaft
130	98-9666	1	Key
140	98-9542	1	Gear-Drive, Oil Pump
150	98-9522	1	Sleeve-Crankshaft

Ref.	Part Number	Qty.	Description
160	98-9521	1	Collar-Crankshaft
170	105-3783	1	O-Ring
180	98-9523	1	Metal Crankshaft (STD)
180	98-9528	1	Bearing-Main (0.2Mm)
180	98-9529	1	Bearing-Main (0.4Mm)
190	98-9524	3	Metal-Crankshaft (STD Set)
190	98-9530	3	Bearing-Main (0.2Mm)
190	98-9531	3	Bearing-Main (0.4Mm)
200	115-4121	1	Metal-Crankshaft (STD)
200	112-7039	1	Metal-Crankshaft (0.2Mm)
200	112-7040	1	Metal-Crankshaft (-0.4Mm)
210	98-9413	2	Bearing-Thrust (STD)
210	98-9414	2	Bearing-Thrust (0.2Mm)
210	98-9415	2	Bearing-Thrust (0.4Mm)
220	98-9688	2	Bearing-Thrust (STD)
220	98-9689	2	Bearing-Thrust (0.2Mm)
220	98-9690	2	Bearing-Thrust (0.4Mm)



Flywheel Assembly

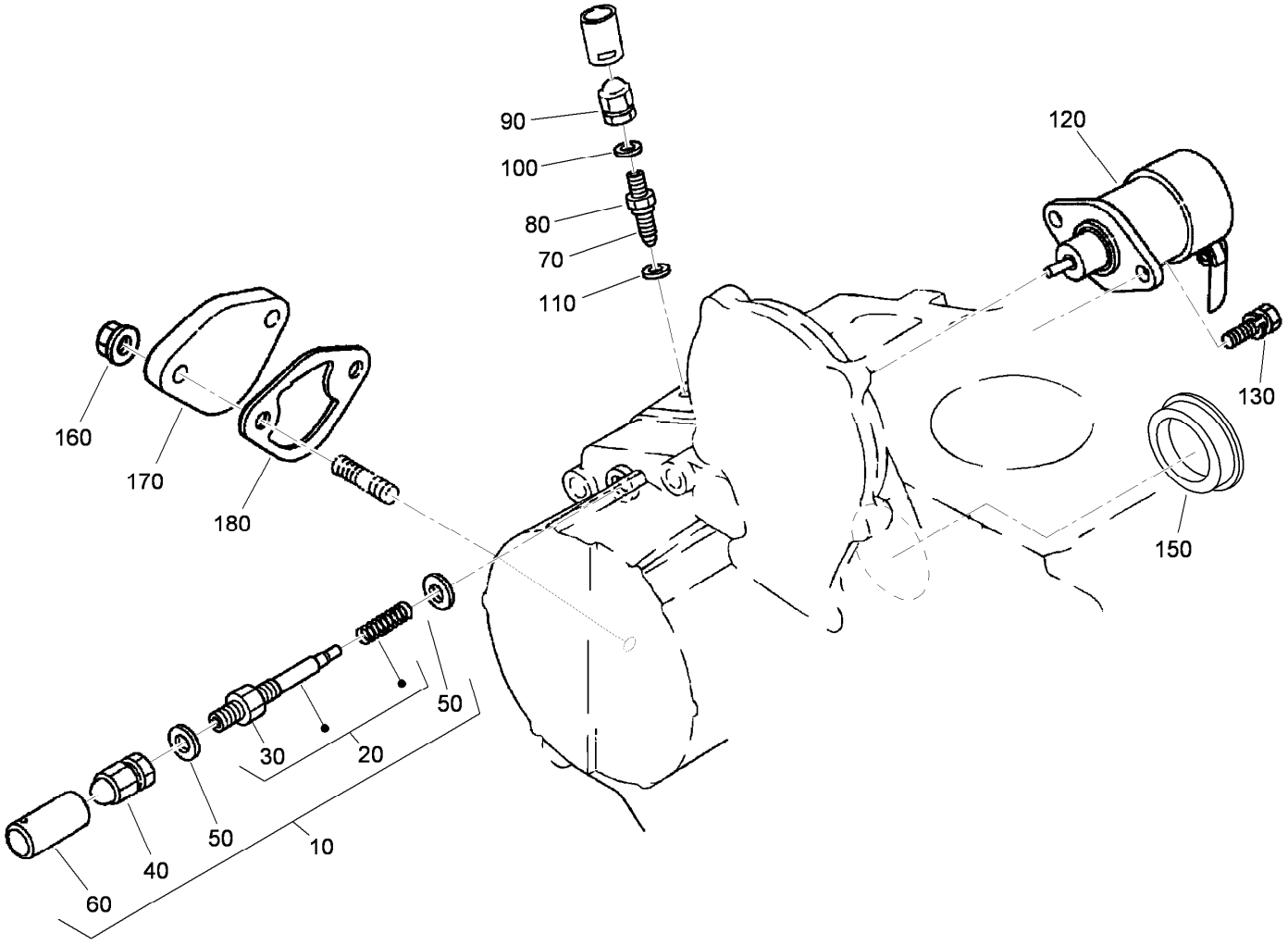
Ref.	*Part Number*	*Qty.*	*Description*
10	105-3721	1	Flywheel ASM
20	115-3015	1	Gear-Ring
30	98-9537	6	Bolt-Flywheel
40	98-9486	1	Plate-End, Rear
50	98-9392	8	Bolt



Fuel Camshaft and Governor Shaft Assembly

Ref.	Part Number	Qty.	Description
10	105-3723	1	Camshaft-Fuel
20	107-9077	1	Bearing-Ball
30	107-9078	1	Bearing-Ball
50	120-2562	1	Gear-Pump, Injection
60	98-9590	1	Nut-Cap
70	98-9595	1	Key-Woodruff
80	98-9511	1	Stopper-Fuel, Camshaft
90	98-7692	2	Bolt
100	105-3724	1	Governor Shaft ASM
110	105-3725	1	Shaft, Governor
120	98-9562	1	Holder-Gear, Governor

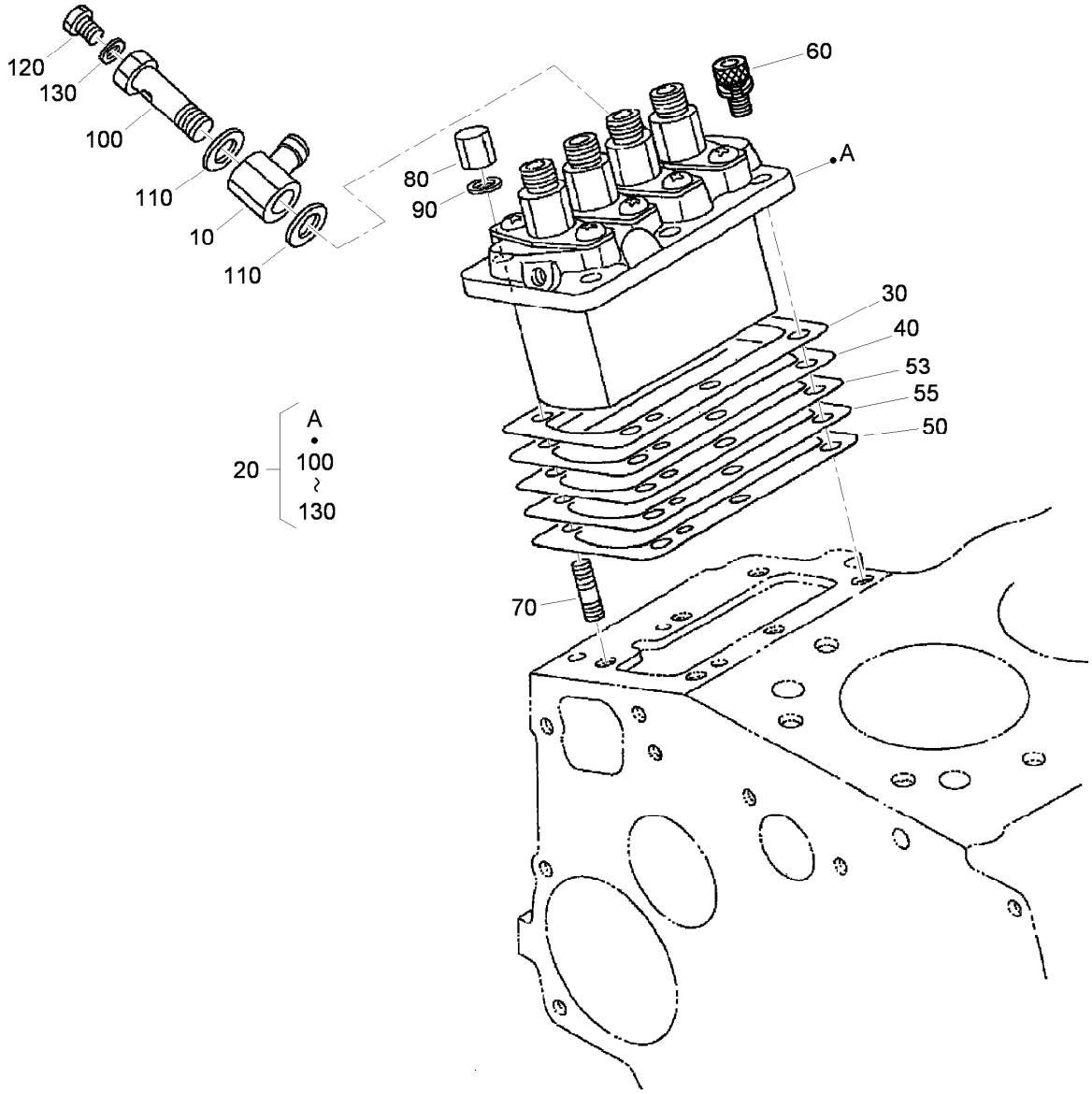
Ref.	Part Number	Qty.	Description
130	98-9673	1	Gear-Governor
140	98-9561	1	Holder-Weight, Governor
150	98-9559	2	Governor Weight ASM
160	98-9560	2	Shaft-Weight, Governor
170	98-9692	2	Roller
180	98-9563	1	Sleeve-Governor
190	98-9564	1	Washer-Thrust
200	107-9079	1	Bearing-Ball
210	98-9657	1	Circlip-Shaft, Governor
220	98-9565	1	Screw-Set



Idle Apparatus Assembly

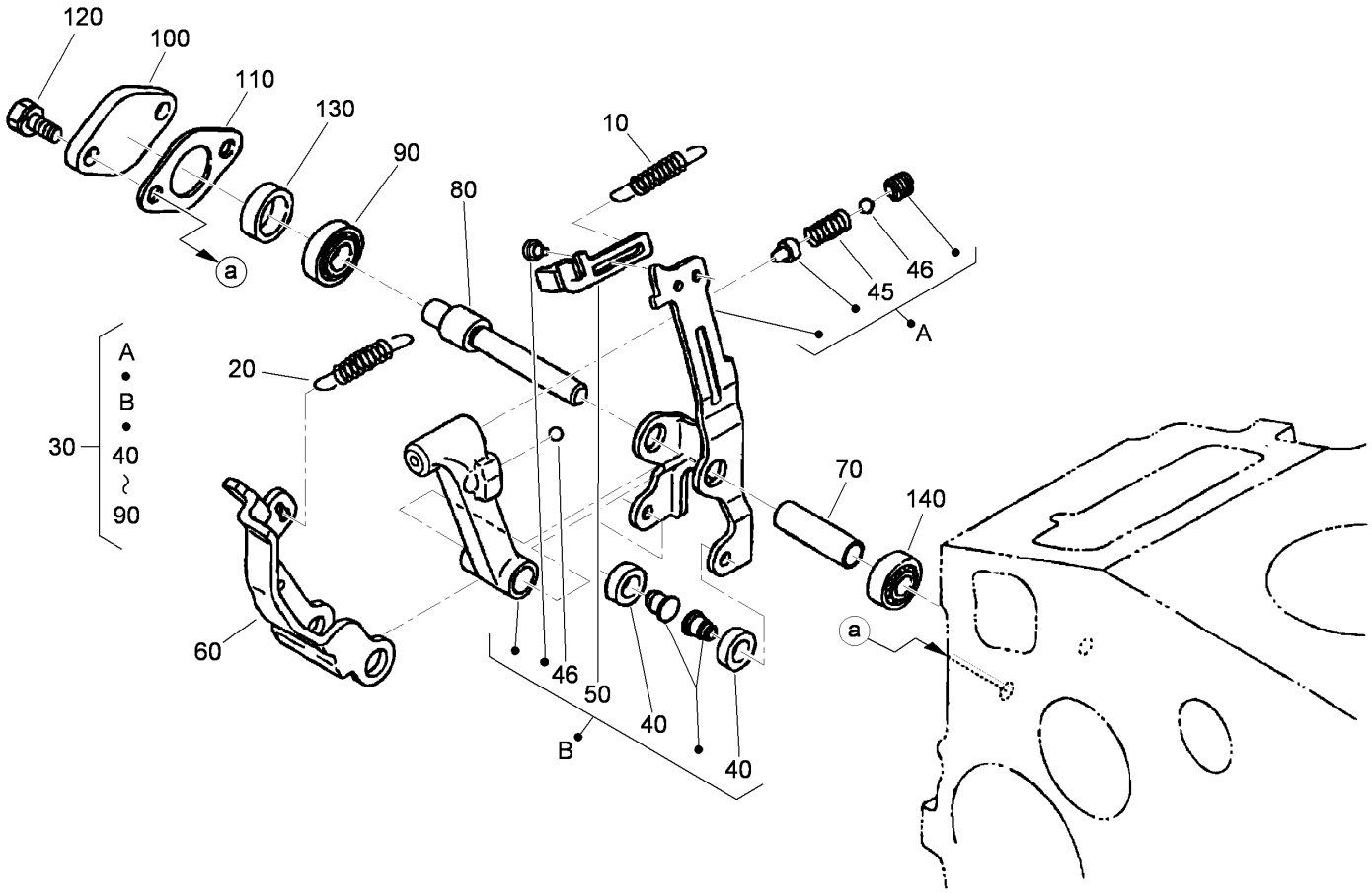
Ref.	Part Number	Qty.	Description
10	98-9678	1	Idle Apparatus ASM
20	112-7014	1	Adjusting Bolt ASM
30	98-9439	1	Nut
40	112-0181	1	Nut
50	98-7654	2	Gasket
60	98-7656	1	Cap
70	112-7015	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	112-0181	1	Nut

Ref.	Part Number	Qty.	Description
100	98-7654	1	Gasket
110	107-9081	1	Gasket
120	104-5155	1	Solenoid-Stop
130	115-3039	2	Bolt-HSH
150	112-7016	1	Cover-Pump
160	100-2203	2	Nut-Flange
170	99-3514	1	Cover
180	98-9636	1	Gasket-Pump, Fuel



Injection Pump Assembly

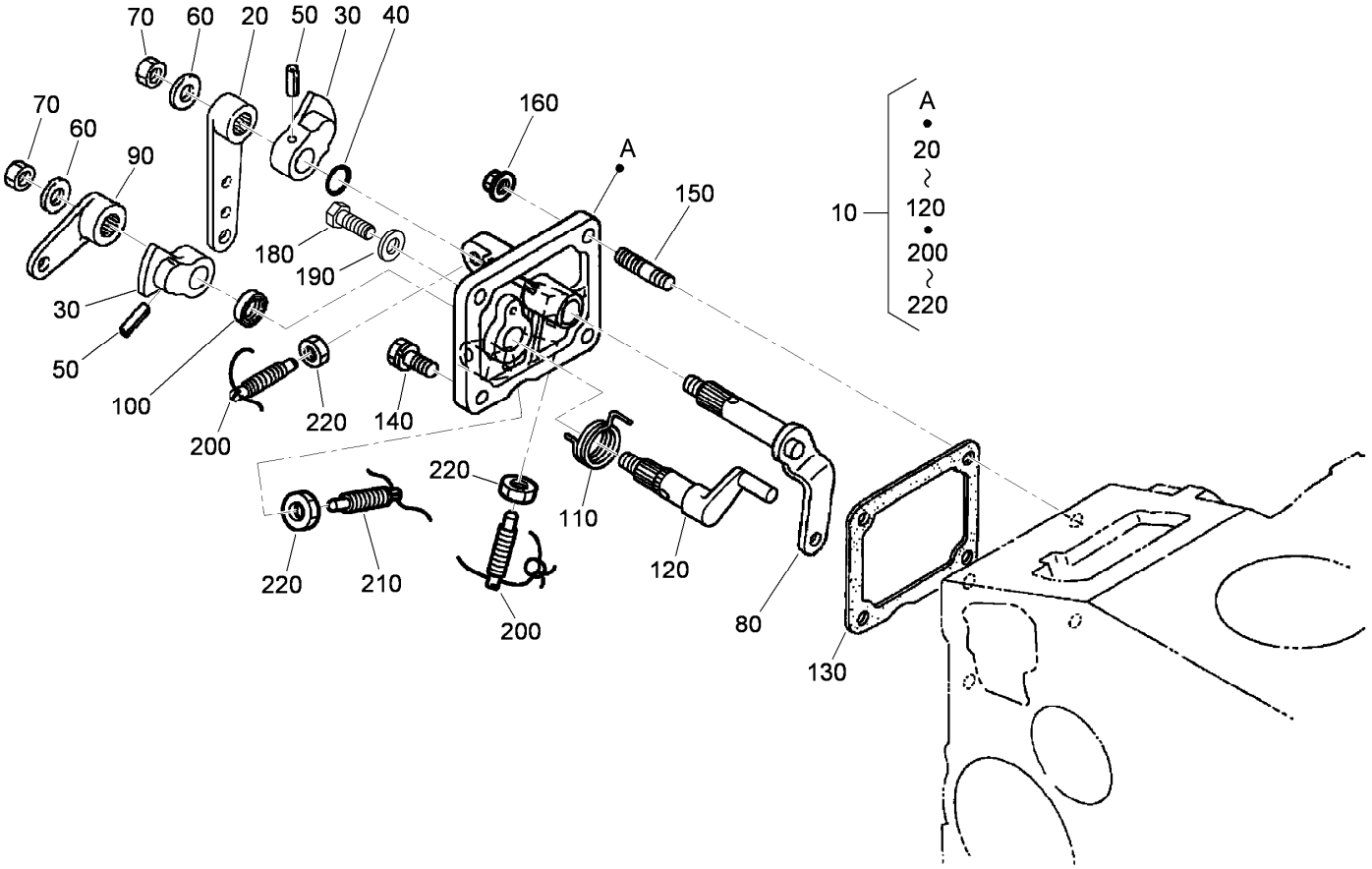
Ref.	*Part Number*	*Qty.*	*Description*
10	98-9596	1	Joint-Eye
20	105-3727	1	Injection Pump ASM
30	105-3728	1	Shim-Pump, Injection (.20Mm)
40	105-3729	1	Shim-Pump, Injection (.25Mm)
50	105-3730	1	Shim-Pump, Injection (.30Mm)
53	115-3016	1	Shim-Pump, Injection (.350Mm)
55	115-3017	1	Shim-Pump, Injection (.175Mm)
60	117-7564	3	Bolt-Hex Soc HD
70	98-9438	3	Stud
80	98-9440	3	Nut-Cap
90	98-7699	6	Washer-Spring
100	98-9464	1	Bolt-Joint
110	98-9445	2	Gasket
120	98-9430	1	Screw
130	98-9446	1	Gasket



Governor Assembly

Ref.	Part Number	Qty.	Description
10	105-3741	1	Spring-Start
20	98-9681	1	Spring-Governor
30	115-4502	1	Fork Lever ASM
40	98-9692	2	Roller
45	108-2867	1	Spring
46	98-7580	2	Ball
50	107-9083	1	Lever-Thrust
60	107-9084	1	Lever-Fork

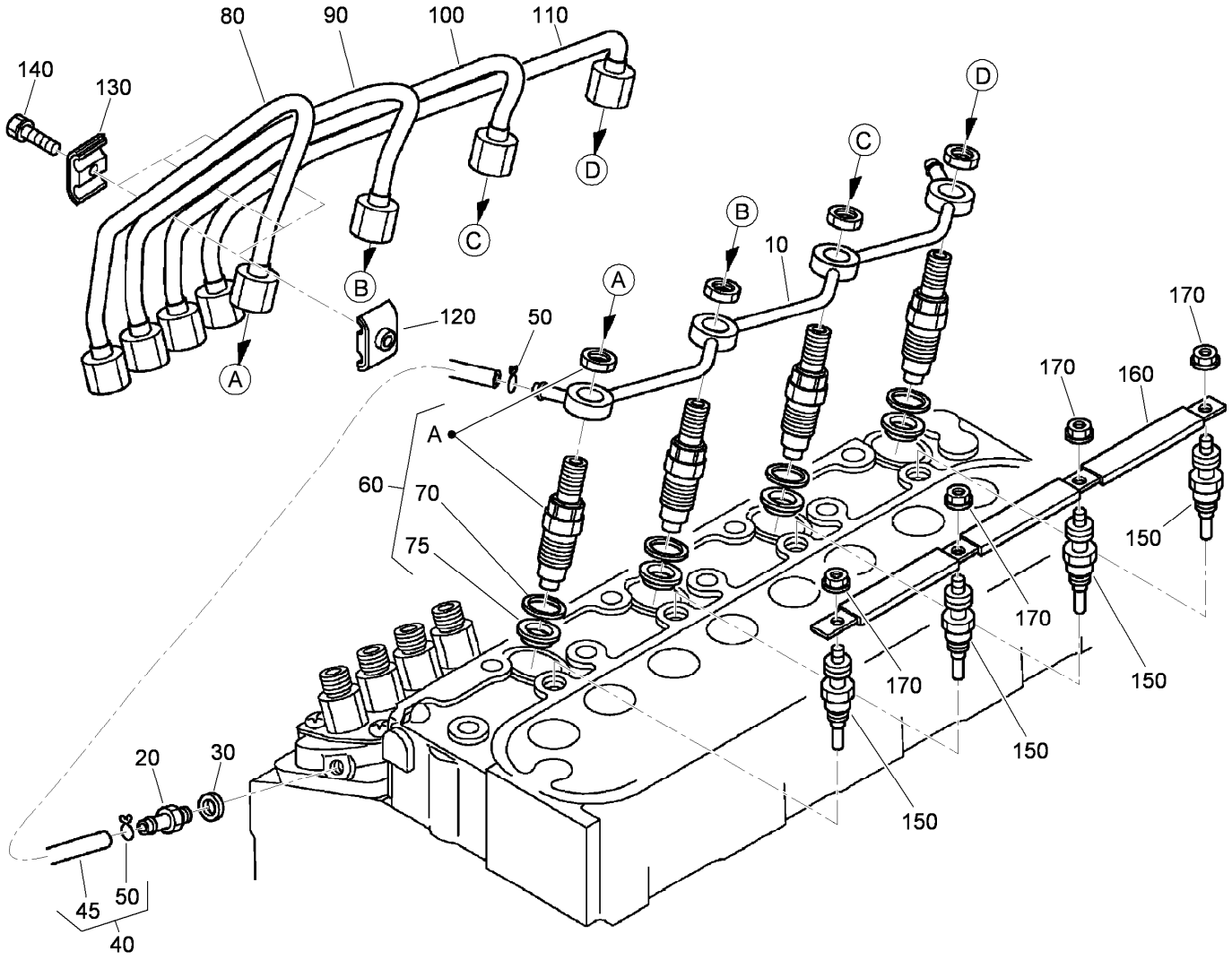
Ref.	Part Number	Qty.	Description
70	107-9085	1	Shaft-Lever, Fork
80	107-9086	1	Shaft-Lever, Fork
90	98-9570	1	Bearing-Miniaturize
100	115-4122	1	Cover-Shaft, Fork Lever
110	98-9682	1	Gasket
120	98-9350	2	Bolt
130	98-9567	1	Collar
140	98-9571	1	Bearing-Miniaturize



Speed Control Plate Assembly

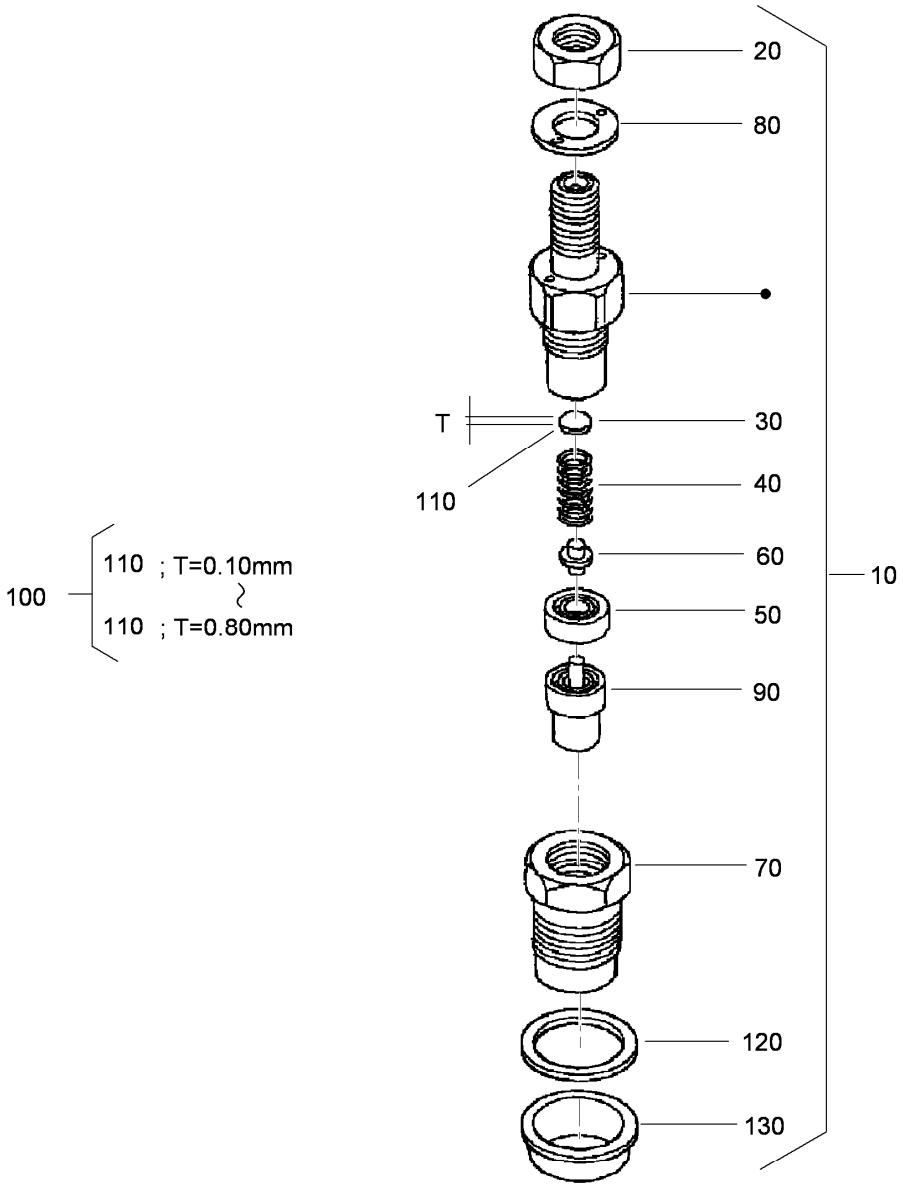
Ref.	Part Number	Qty.	Description
10	105-3735	1	Control Plate ASM
20	98-9662	1	Lever-Control, Speed
30	98-9572	2	Lever-Control, Speed
40	105-3788	1	O-Ring
50	98-7602	2	Pin-Spring
60	98-9594	2	Washer-Plain
70	98-9589	2	Nut
80	98-9658	1	Governor Lever ASM
90	98-9663	1	Lever-Stop, Engine
100	98-7601	1	Seal-Oil
110	98-9472	1	Spring-Return

Ref.	Part Number	Qty.	Description
120	98-9664	1	Shaft-Lever, Stop
130	98-9637	1	Gasket
140	98-7692	1	Bolt
150	105-3710	1	Stud
160	98-7572	2	Nut
180	99-8348	2	Bolt
190	98-7654	2	Gasket
200	117-7565	2	Bolt-Adjusting
210	117-7566	1	Bolt-Adjusting
220	98-7572	3	Nut



Nozzle Holder and Glow Plug Assembly

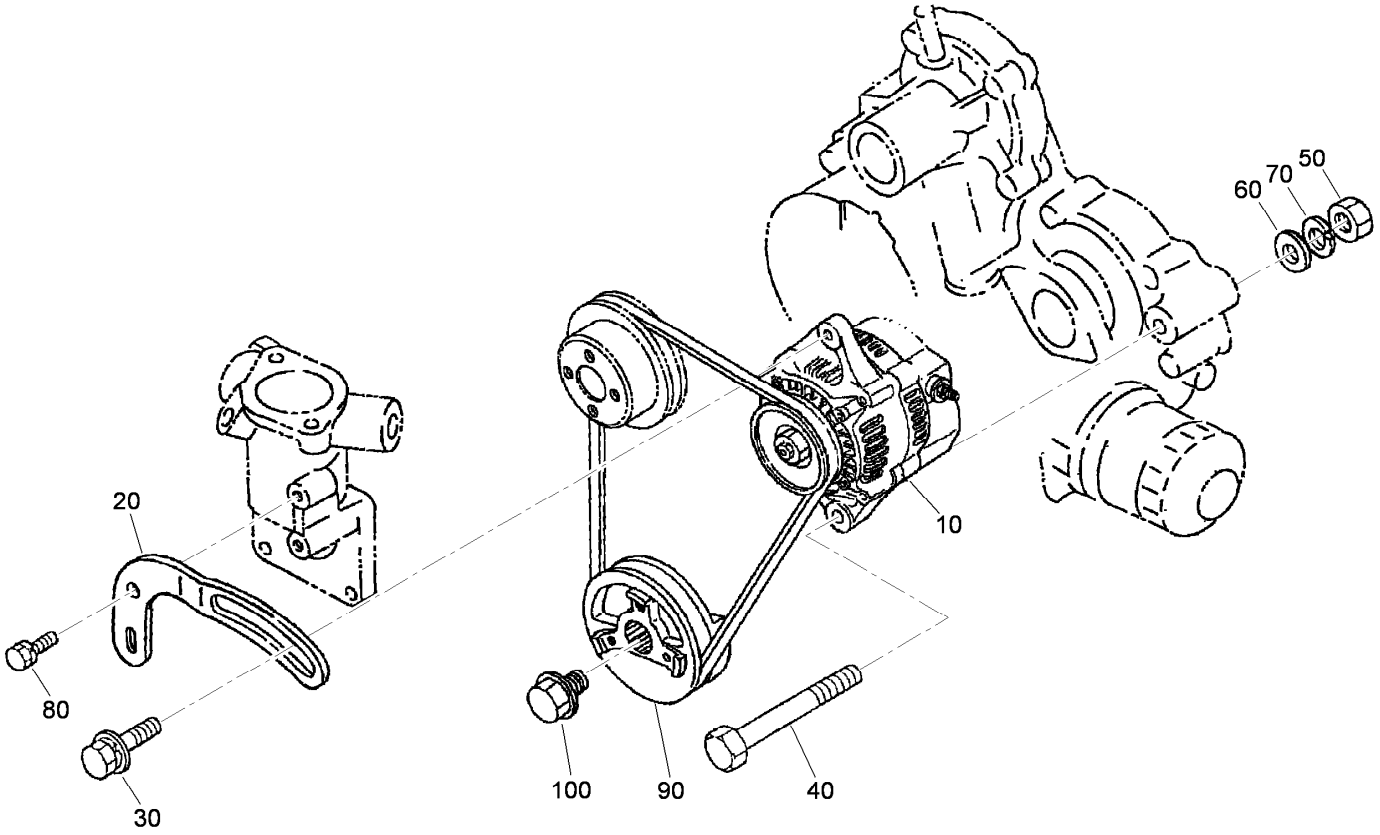
Ref.	Part Number	Qty.	Description
10	105-3737	1	Over Flow Pipe ASM
20	98-9431	1	Screw-Bleeder, Air
30	98-7654	1	Gasket
40	98-9420	1	Overflow Pipe ASM
45	112-0182	1	Pipe-Overflow
50	98-7671	2	Clip-Pipe
60	115-3018	4	Nozzle Holder Kit
70	98-7676	4	Gasket
75	98-7677	4	Seal-Heat
80	98-9653	1	Pipe-Injection
90	98-9654	1	Pipe-Injection
100	98-9655	1	Pipe-Injection
110	105-3738	1	Pipe-Injection
120	98-7682	3	Clamp-Pipe
130	98-7683	3	Clamp-Pipe
140	98-7684	3	Screw (W/Washer)
150	115-3019	4	Plug-Glow
160	105-3739	1	Cord-Plug, Glow
170	99-8377	4	Nut-Flange



Nozzle Holder Component Assembly

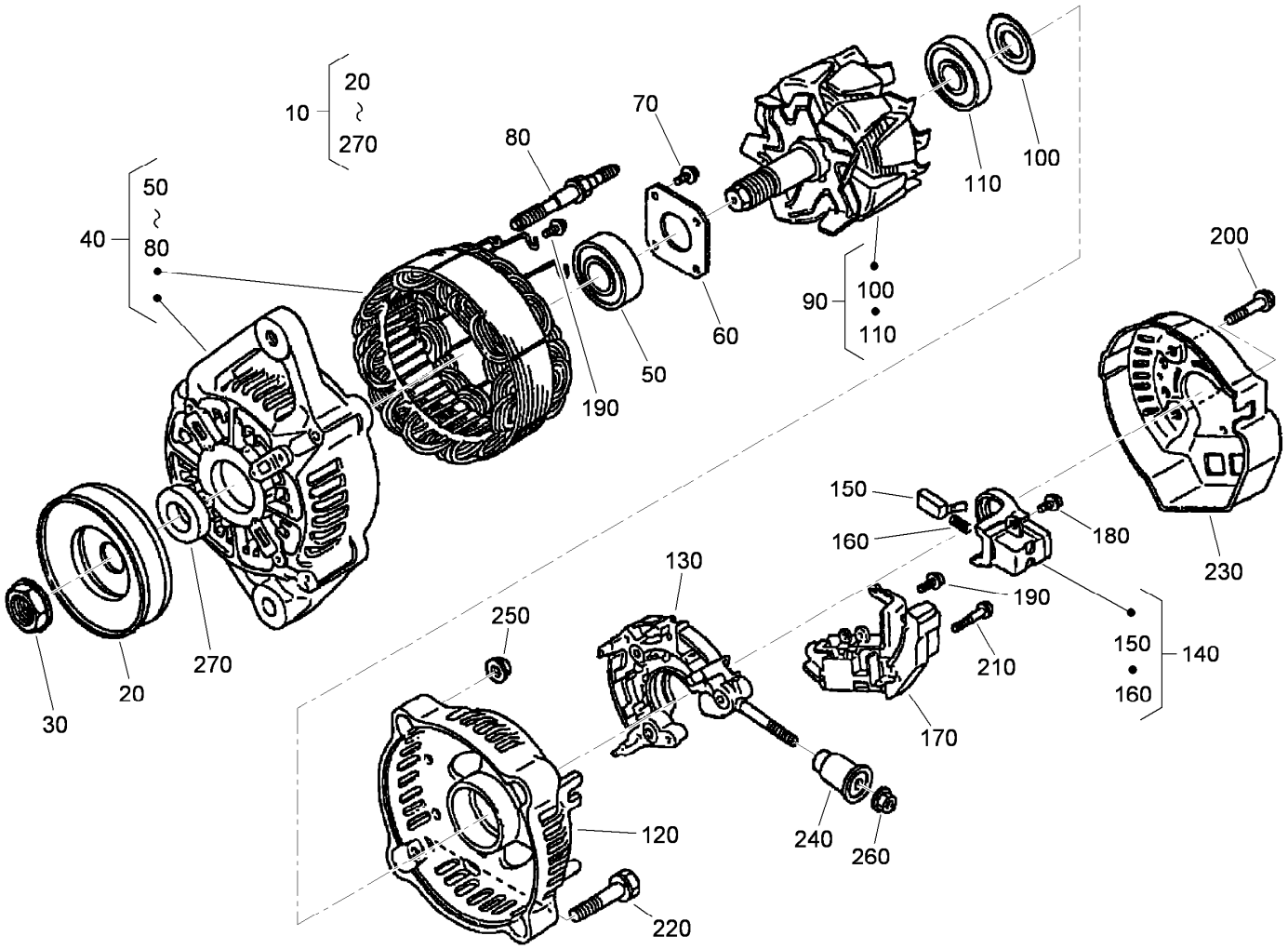
Ref.	Part Number	Qty.	Description
10	115-3018	4	Nozzle Holder Kit
20	99-8301	4	Nut
30	99-8302	4	Washer-Adjusting
40	99-8303	4	Spring-Nozzle
50	99-8304	4	Spacer-Distance
60	99-8305	4	Rod-Push
70	99-8306	4	Nut-Nozzle
80	99-8307	4	Washer-Plain
90	115-3020	4	Piece-Nozzle
100	99-8309	4	Adjusting Washer ASM
110	99-8310	4	Washer-Adjust (0.10Mm)

Ref.	Part Number	Qty.	Description
110	99-8311	4	Washer-Adjust (0.20Mm)
110	99-8312	4	Washer-Adjust (0.30Mm)
110	99-8313	4	Washer-Adjust (0.40Mm)
110	99-8314	4	Washer-Adjust (0.50Mm)
110	99-8315	4	Washer-Adjust (0.52Mm)
110	99-8316	4	Washer-Adjust (0.54Mm)
110	99-8317	4	Washer-Adjust (0.56Mm)
110	99-8318	4	Washer-Adjust (0.58Mm)
110	99-8319	4	Washer-Adjust (0.80Mm)
120	98-7676	4	Gasket
130	98-7677	4	Seal-Heat



Alternator and Pulley Assembly

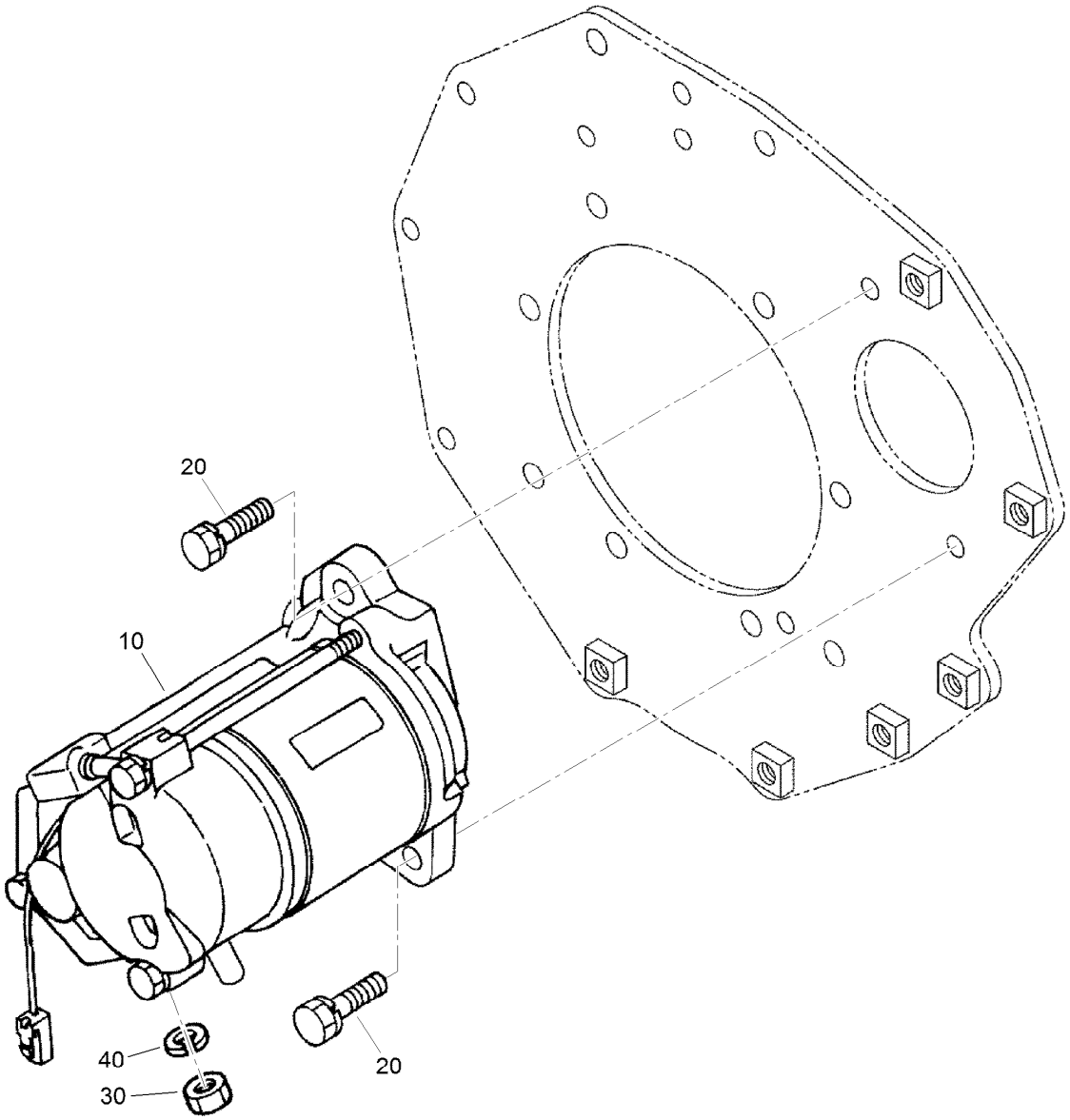
Ref.	*Part Number*	*Qty.*	*Description*
10	117-5541	1	Alternator ASM
20	117-5542	1	Bracket
30	108-7088	1	Bolt
40	98-9360	1	Bolt
50	98-7737	1	Nut
60	98-7696	1	Washer-Plain
70	98-7738	1	Washer-Spring
80	98-7692	1	Bolt
90	105-3745	1	Pulley-Drive, Fan
100	98-9585	1	Bolt



Alternator Components

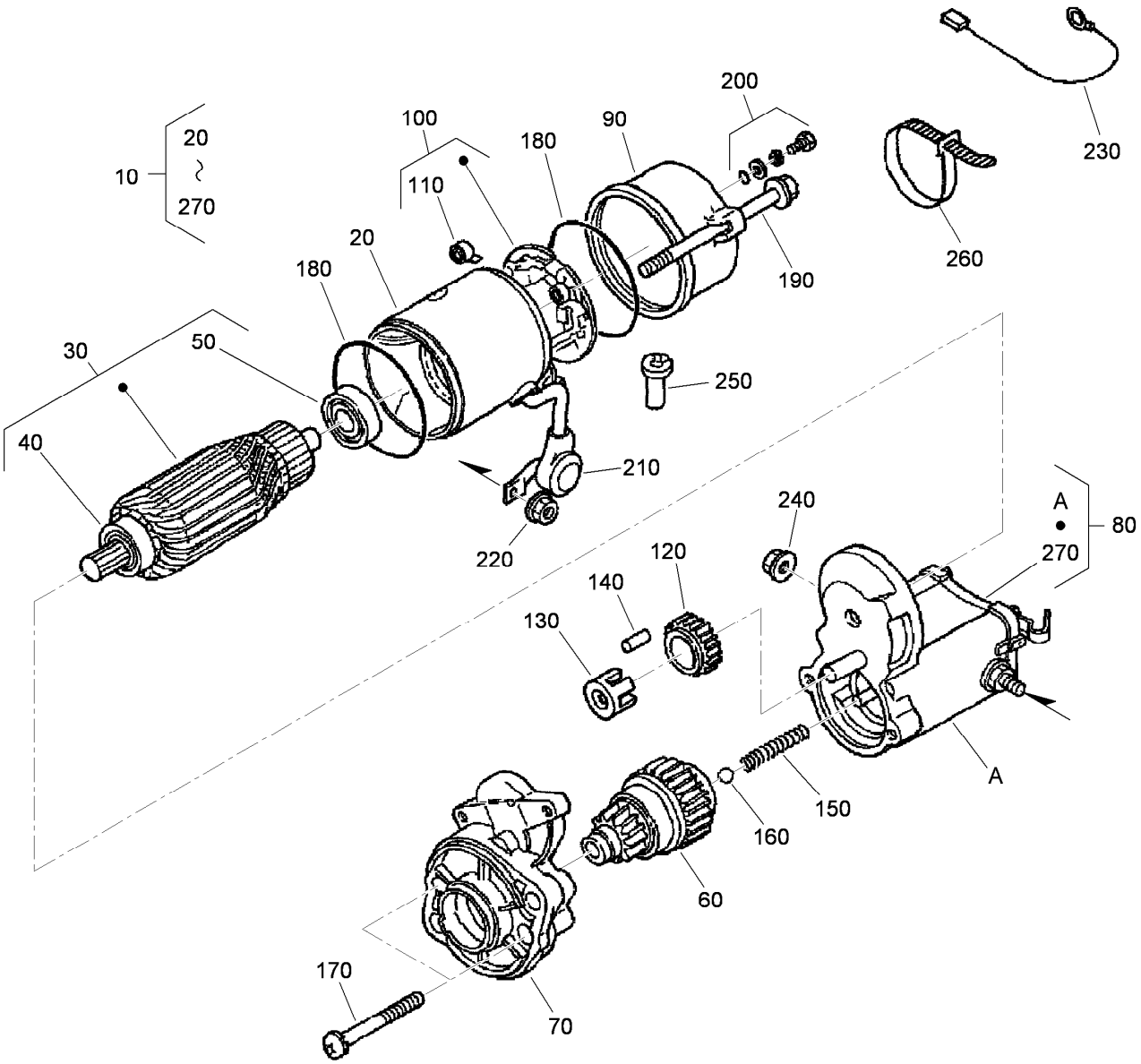
Ref.	Part Number	Qty.	Description
10	117-5541	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	117-0316	1	Drive End Frame ASM
50	107-0137	1	Bearing-Ball
60	98-7715	1	Plate-Retainer
70	98-7716	4	Screw-Head, Round
80	98-7717	2	Bolt-Through
90	117-0317	1	Rotor ASM
100	98-7711	1	Cover-Bearing
110	107-0138	1	Bearing-Ball
120	117-0318	1	Frame-End
130	117-0322	1	Holder
140	107-0141	1	Brush Holder ASM

Ref.	Part Number	Qty.	Description
150	98-7724	2	Brush
160	98-7725	2	Spring-Brush
170	117-0319	1	Regulator ASM
180	98-7728	1	Screw-Head, Round
190	98-7727	6	Screw-Head, Round
200	98-7729	3	Bolt
210	98-7726	2	Screw-Head, Round
220	98-7731	2	Bolt
230	117-0320	1	Cover-End
240	117-0321	1	Insulation-Brush
250	98-7730	2	Nut
260	98-7732	1	Nut
270	98-7709	1	Collar



Starter Assembly

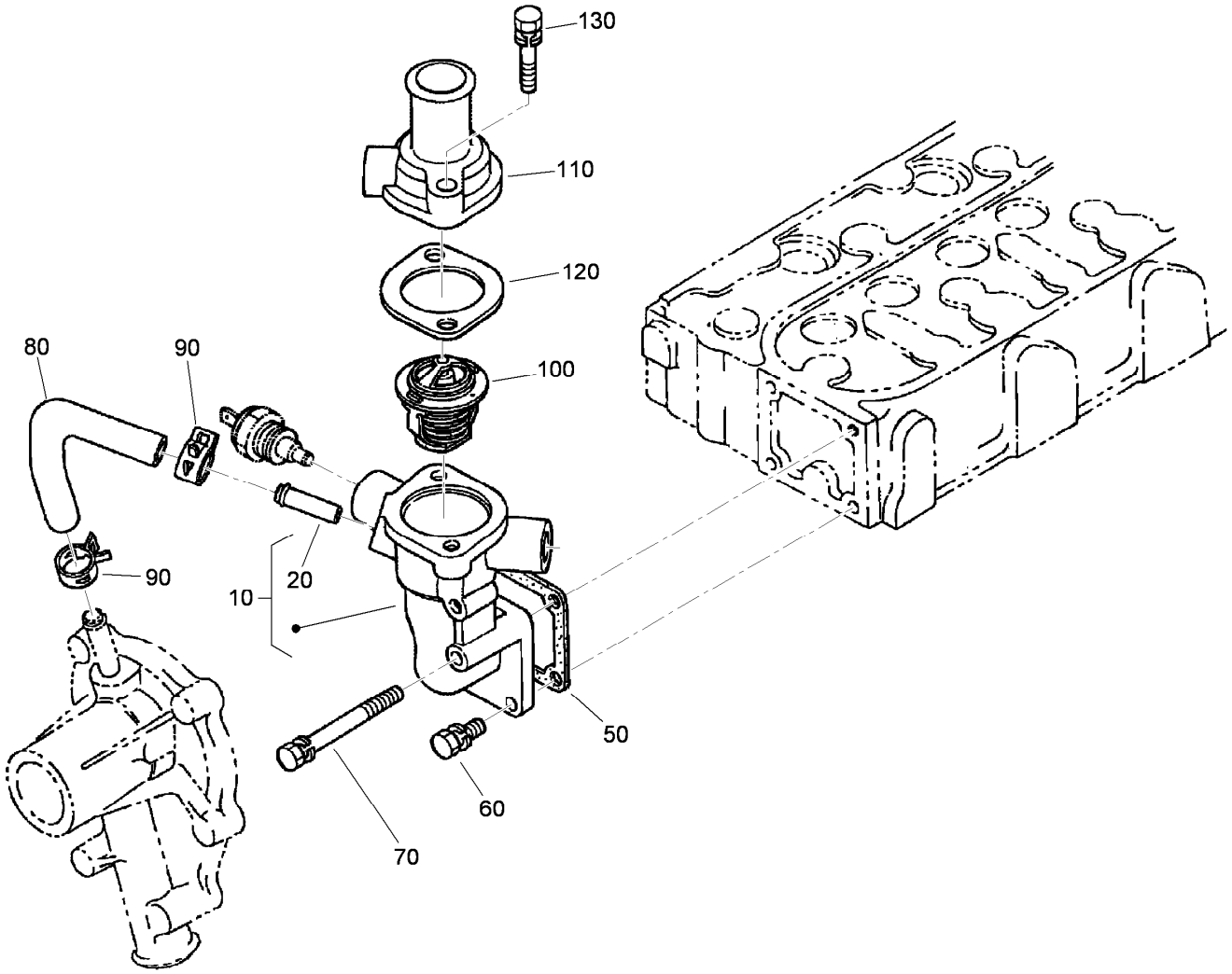
Ref.	*Part Number*	*Qty.*	*Description*
10	98-9705	1	Starter ASM
20	98-7697	2	Bolt
30	98-7739	1	Nut
40	105-2893	1	Washer-Spring



Starter (Component Part) Assembly

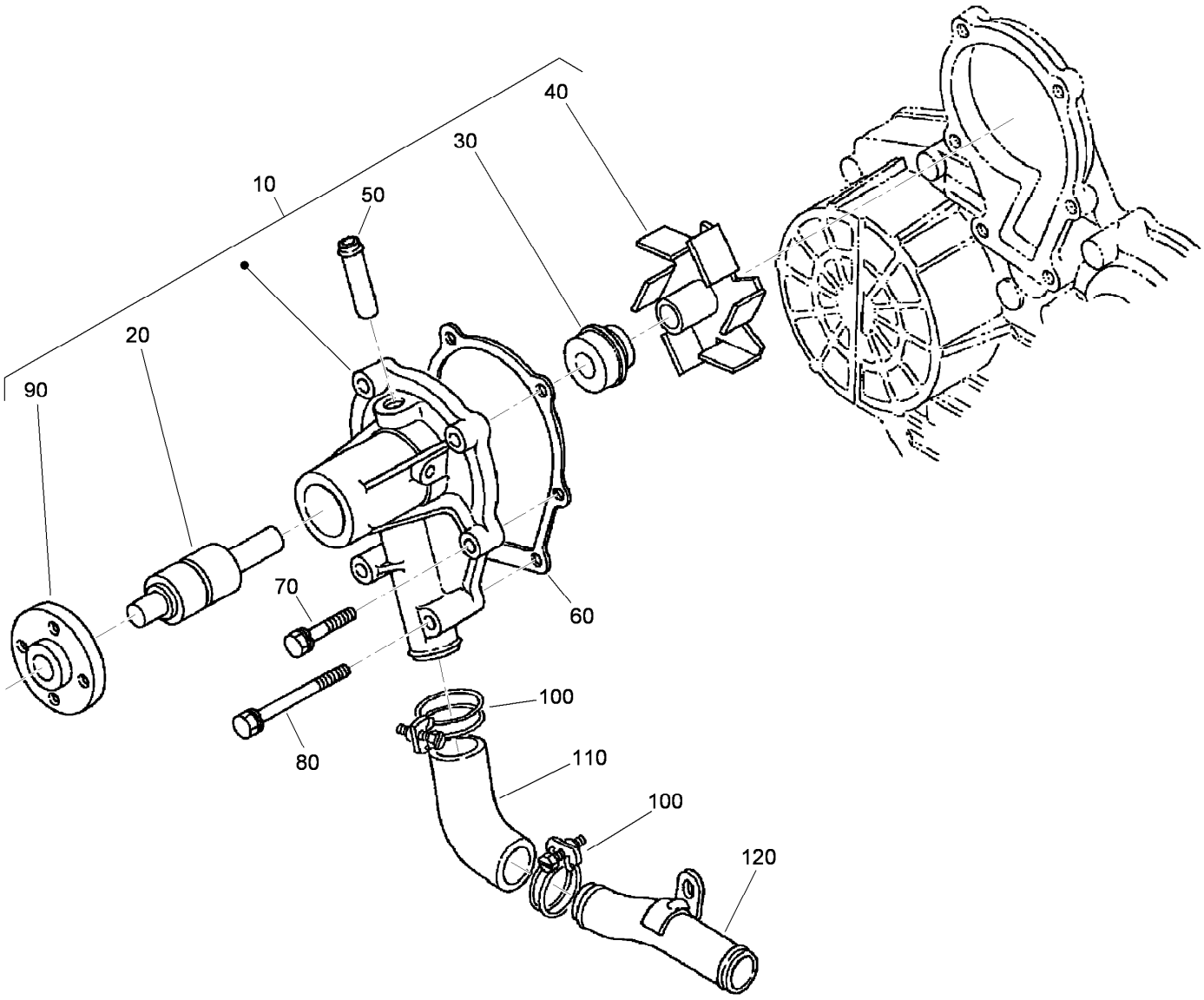
Ref.	Part Number	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	98-7750	4	Spring-Brush
120	98-7751	1	Gear
130	98-7752	1	Retainer
140	98-7753	5	Roller

Ref.	Part Number	Qty.	Description
150	98-7754	1	Spring
160	98-7755	1	Ball
170	98-7756	2	Bolt
180	98-7757	2	O-Ring
190	100-9240	2	Bolt
200	98-7758	2	Bolt ASM
210	99-8375	1	Cover
220	99-8371	1	Nut-Hex
230	98-9711	1	Cord-Solenoid, Stop
240	99-8376	1	Nut-Hex
250	98-7759	1	Pipe-Drain
260	98-9712	1	Band-Cover
270	105-2886	1	Cover ASM



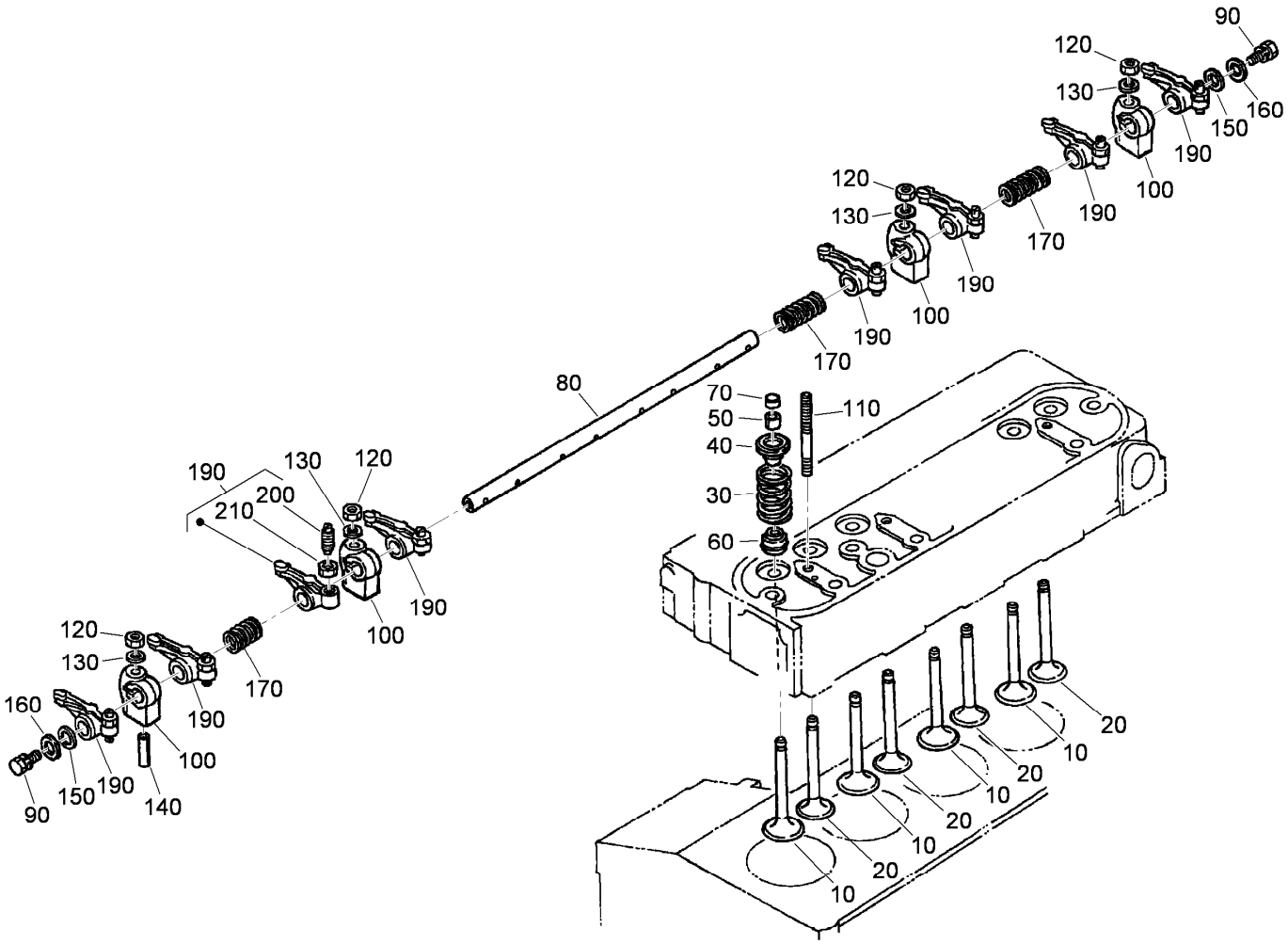
Water Flange Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-9713	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
50	98-9638	1	Gasket-Flange, Water
60	98-7692	3	Bolt
70	98-9356	1	Bolt
80	98-9578	1	Pipe-Return, Water
90	98-9579	2	Band-Pipe
100	98-7778	1	Thermostat ASM
110	98-9471	1	Cover-Thermostat
120	105-3748	1	Gasket-Thermostat
130	98-7777	2	Bolt



Water Pump Assembly

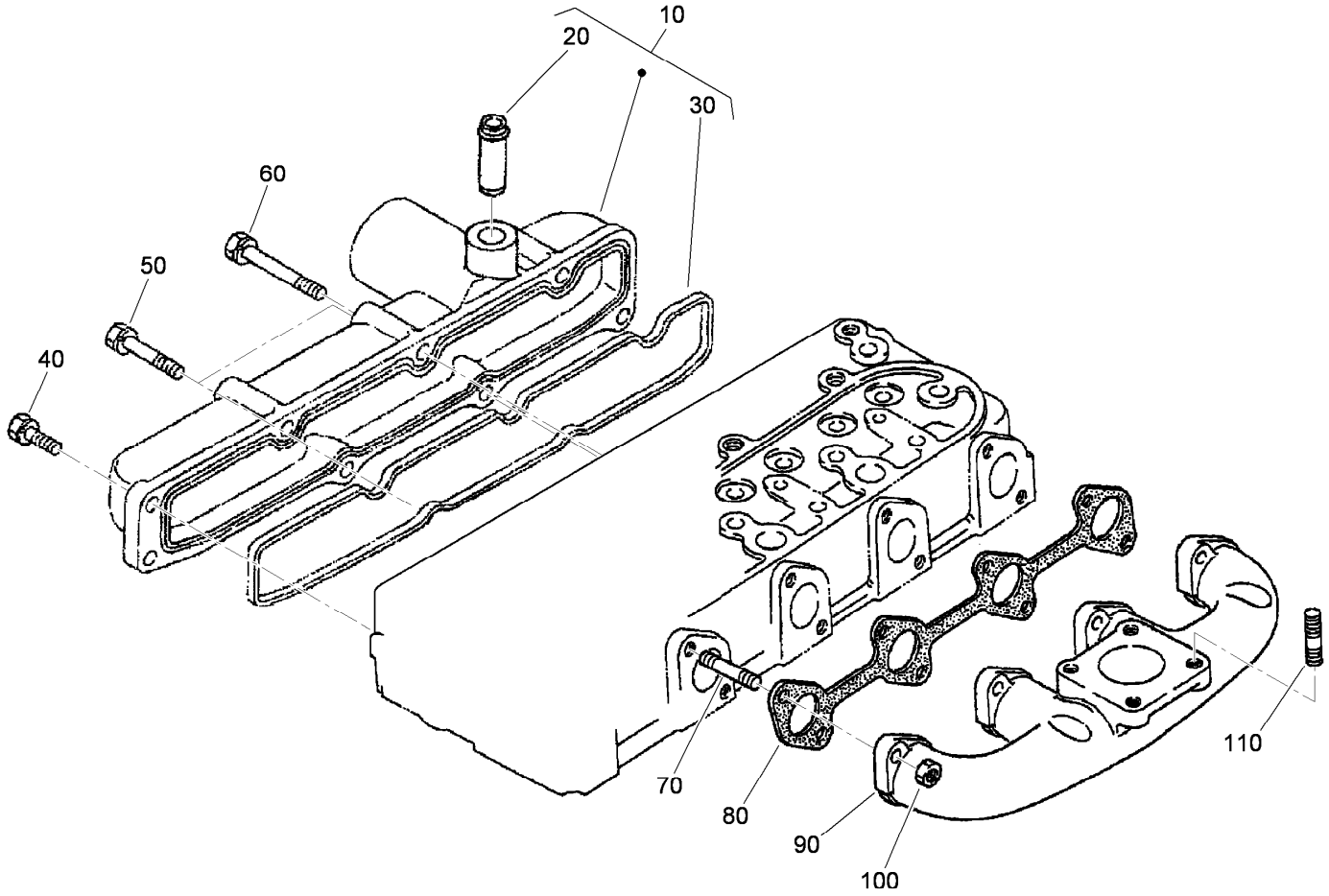
Ref.	*Part Number*	*Qty.*	*Description*
10	107-9089	1	Water Pump ASM
20	99-3517	1	Bearing-Pump, Water
30	105-3750	1	Mechanical Seal ASM
40	112-7017	1	Impeller-Pump, Water
50	100-1932	1	Pipe-Return, Water
60	99-3454	1	Gasket-Pump, Water
70	98-9353	4	Bolt
80	107-9090	2	Bolt
90	99-3516	1	Flange-Pump, Water
100	98-9717	2	Clamp
110	107-9091	1	Pipe-Water
120	98-9716	1	Pipe-Water



Valve and Rocker Arm Assembly

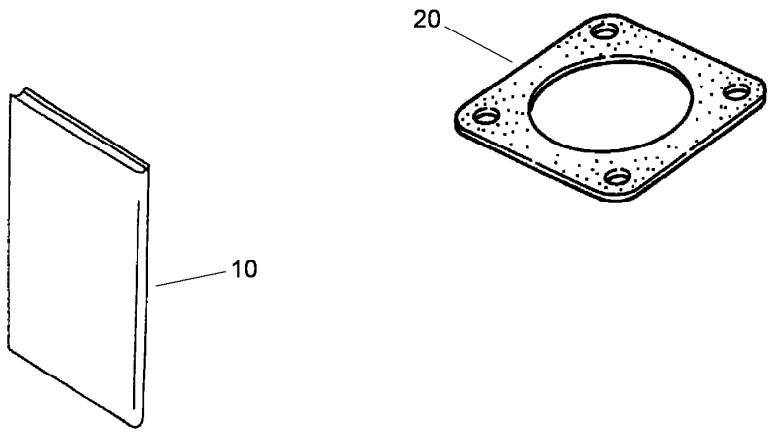
Ref.	Part Number	Qty.	Description
10	120-2563	4	Valve-Inlet
20	120-2564	4	Valve-Exhaust
30	98-9648	8	Spring-Valve
40	107-9092	8	Retainer-Spring
50	117-7572	8	Collet-Spring, Valve
60	99-8385	8	Seal-Stem, Valve
70	98-9497	8	Cap-Valve
80	105-3790	1	R-Arm Shaft ASM
90	100-9265	2	Bolt
100	98-9505	4	Bracket-Arm, Rocker

Ref.	Part Number	Qty.	Description
110	98-9506	4	Stud
120	98-9393	4	Nut
130	98-9385	4	Washer-Flat
140	105-3758	1	Pin-Spring
150	98-9507	2	Washer-Shaft, R-Arm
160	110-3832	2	Washer-Plain
170	98-9504	2	Spring-Arm, Rocker
190	112-7020	8	Rocker Arm ASM
200	98-9502	8	Screw-Adjusting
210	98-9503	8	Nut



Intake and Exhaust Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	108-2874	1	Intake Manifold ASM
20	98-9492	1	Joint-Pipe, Breather
30	105-3760	1	Gasket-Manifold, Inlet
40	98-7605	3	Bolt
50	98-9353	2	Bolt
60	105-3797	3	Bolt
70	98-9588	8	Stud
80	105-3765	1	Gasket-Ex-Manifold
90	112-0187	1	Manifold-Exhaust
100	98-9665	8	Nut
110	98-7769	4	Stud



Muffler Gasket and Operator Manual

Ref.	*Part Number*	*Qty.*	*Description*
10	117-8836	1	Manual-Operator, Kubota
20	99-8343	1	Gasket-Muffler

Attachments and Accessories

For 31223 Groundsmaster 360 4-Wheel Drive Multi-Purpose Machine

Product Name	Model/Part
72in Side Discharge Deck	30481
Green Diesel Cap	107-2172
Premium Transmission/Hydraulic Tractor Fluid (55 Gallon Drum)	108-1183
Premium Transmission/Hydraulic Tractor Fluid (5 Gallon Pail)	108-1184
Spark Arrestor	117-3281
Premium Engine Oil 15w40 (55 Gallon Drum)	121-6394
Premium Engine Oil 15w40 (5 Gallon Pail)	121-6395
5in Air Cleaner Safety Element	114-4057
400-hour Filter Maintenance Kit	30052
Speed Reduction Kit	30547
Beacon Kit	120-0256
Electrical Accessory Kit	115-0019
Hourmeter, Wireless Hourmeter System	115-4754
Registration Plate Kit	120-6678
Jack Stand Kit	30579
Quick Attach Front Frame	30509
V-Plow Mounting Kit	30378
48in V-Plow	30750
Diagnostic Display Box	85-4750
Weight Transfer Kit	120-6683
Auxiliary Power Unit	120-6675
GM360 Winter Enclosure	31220
CE Kit	30507
Road Homologation Light Kit, Non-Cab Unit (Europe)	30512
Road Light Kit, Non Cab Unit (North America)	30513
Slow Moving Vehicle Sign Kit	115-0014
Locking Latch	98-9315
Grammer Seat with Air Ride Suspension	30511
Vinyl Backrest Extension Kit	120-0583
Hardtop Sunshade	30359
72in Side Discharge Mower (CE)	30354
72in Base Deck	30353

Notes:

Notes:



Count on it.