Form No. 3464-657 Rev C

TORO®

Count on it.

Parts Catalog

320-D

Compact Tool Carrier

22337CP—413000000

CE

3464-657 C

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

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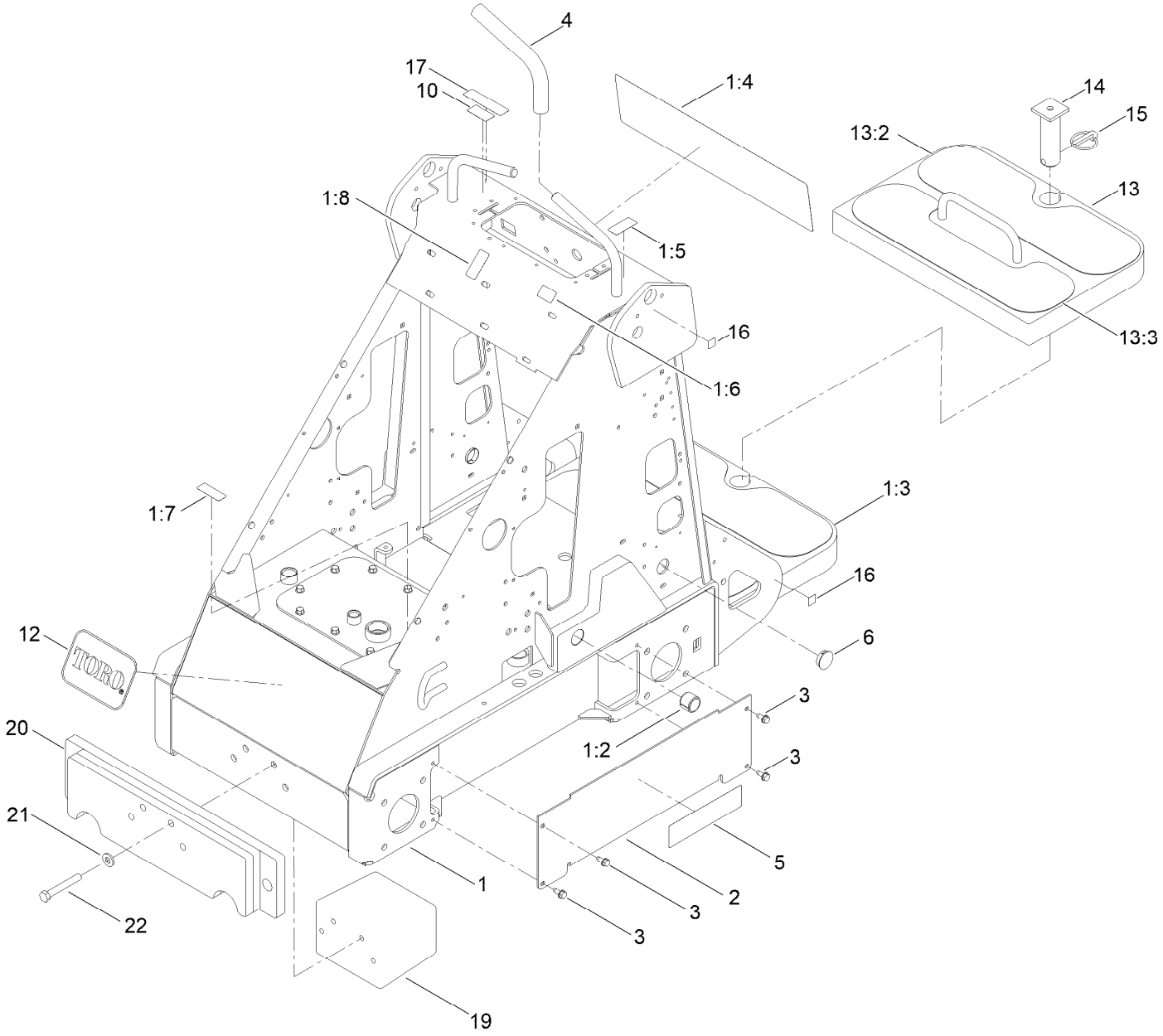
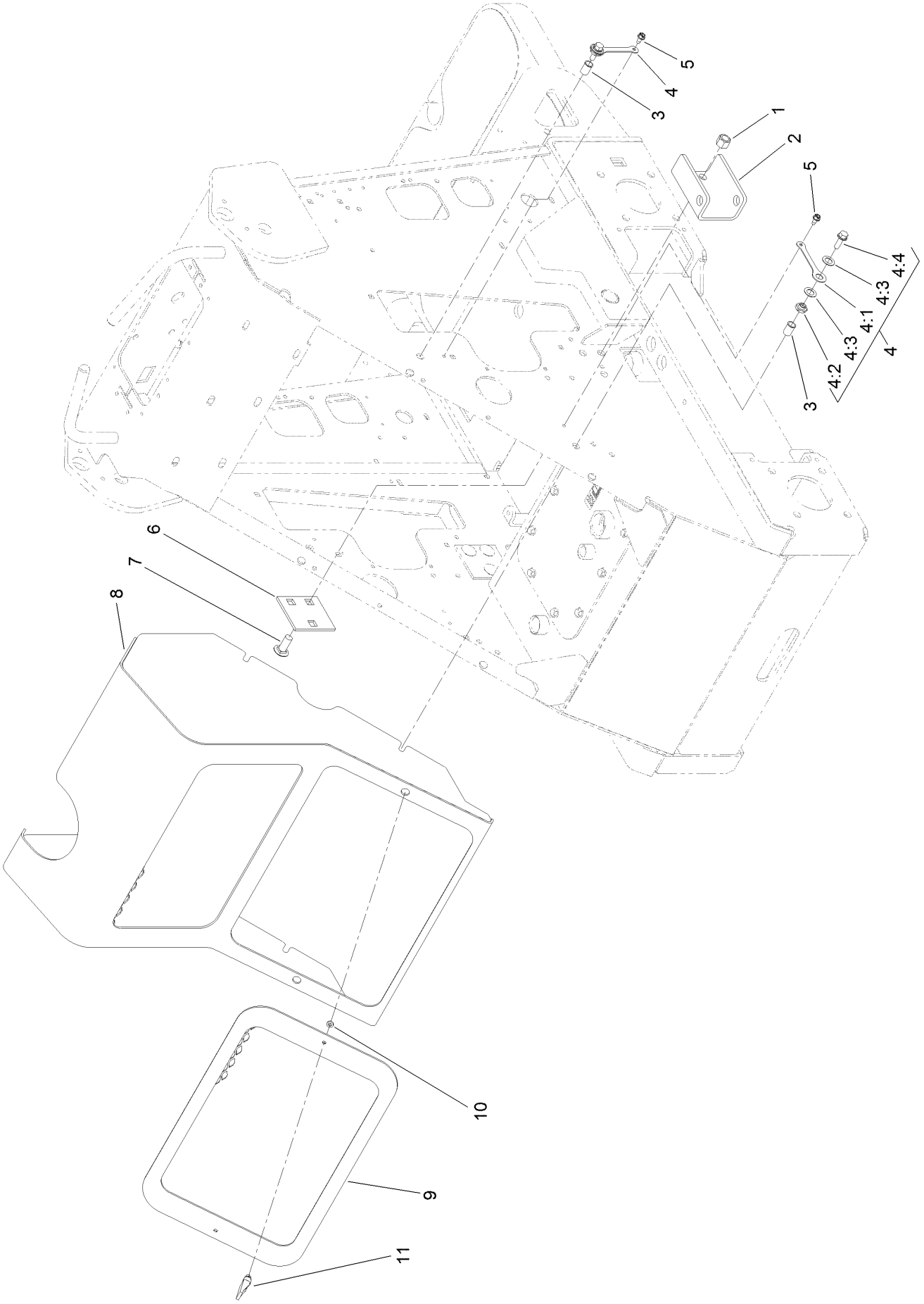
Frame Assembly



Frame Assembly (continued)

Ref.	Part Number	Qty.	Description
1	114-1753	1	Frame ASM
1:2	98-4871	2	Bushing-Tension
1:3	98-9947	2	Tread-Foot
1:4	108-9733	1	Decal-Control Panel, CE
1:5	98-8219	1	Decal-Throttle
1:6	100-1703	1	Decal-Limiter, Speed
1:7	93-6686	1	Decal-Oil, HYD
1:8	98-8235	1	Decal-Selector
2	106-8178-01	2	Cover-Hose
3	32144-70	8	Screw-HWHTF
4	98-4845	2	Grip-Cushion
5	105-8429	2	Decal
6	94-1402	2	Plug-Hole
10	98-4387	1	Decal-Protection, Ear
12	62-5550	1	Decal
13	112-4947	1	Counterweight ASM
13:2	98-9947	1	Tread-Foot
13:3	112-4948	1	Tread
14	99-8638	1	Pin
15	99-9978	1	Pin-Lynch
16	93-9084	4	Decal-Point, Lift
17	133-8062	1	Decal-Spark Arrestor
19	139-7704	1	Weight-Front, Counter
20	144-7148-03	1	Weight-Counter [black]
21	HDW01729	4	Washer,1/2,F436 Hard,F/W,YZN
22	325-14	4	Screw-HH

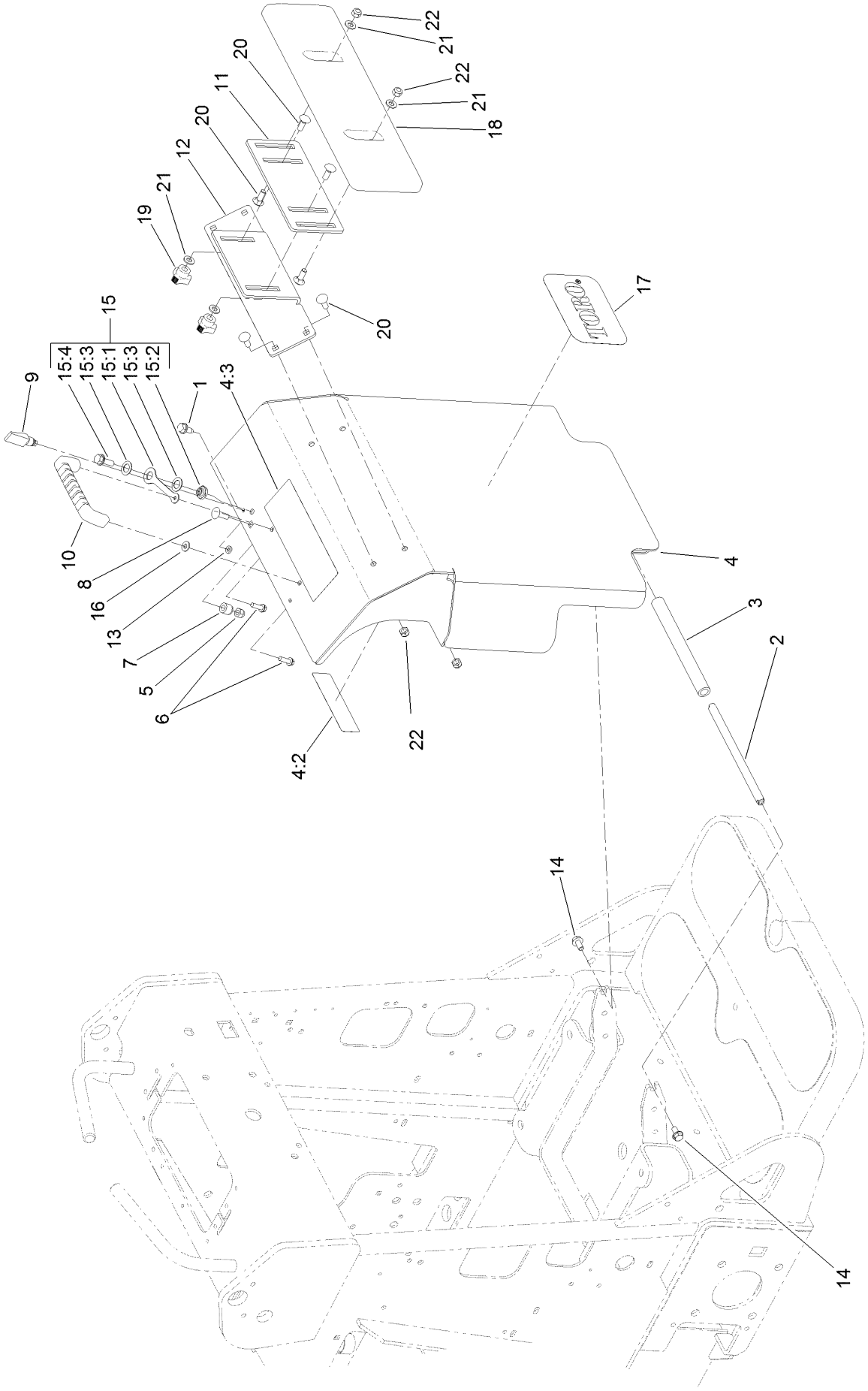
Hood and Cover Assembly



Hood and Cover Assembly (continued)

Ref.	Part Number	Qty.	Description
1	3296-23	6	Nut-Lock, NI
2	100-4122-01	2	Bracket-Anchor
3	32148-8	4	Nut-Clinch
4	117-1762	4	Lanyard ASM
4:1	117-8339	1	Lanyard-3 Inch
4:2	117-1764	1	Nut-Shoulder
4:3	98-1629	2	Washer
4:4	3234-29	1	Screw-HHF
5	32104-17	4	Screw-HWH
6	100-4116-01	2	Plate-Anchor
7	3233-26	6	Screw-CARR,Shortneck
8	99-3120-03	1	Hood
9	99-3118-03	1	Cover
10	99-3058	2	Washer
11	74-5950	2	Latch-Swell

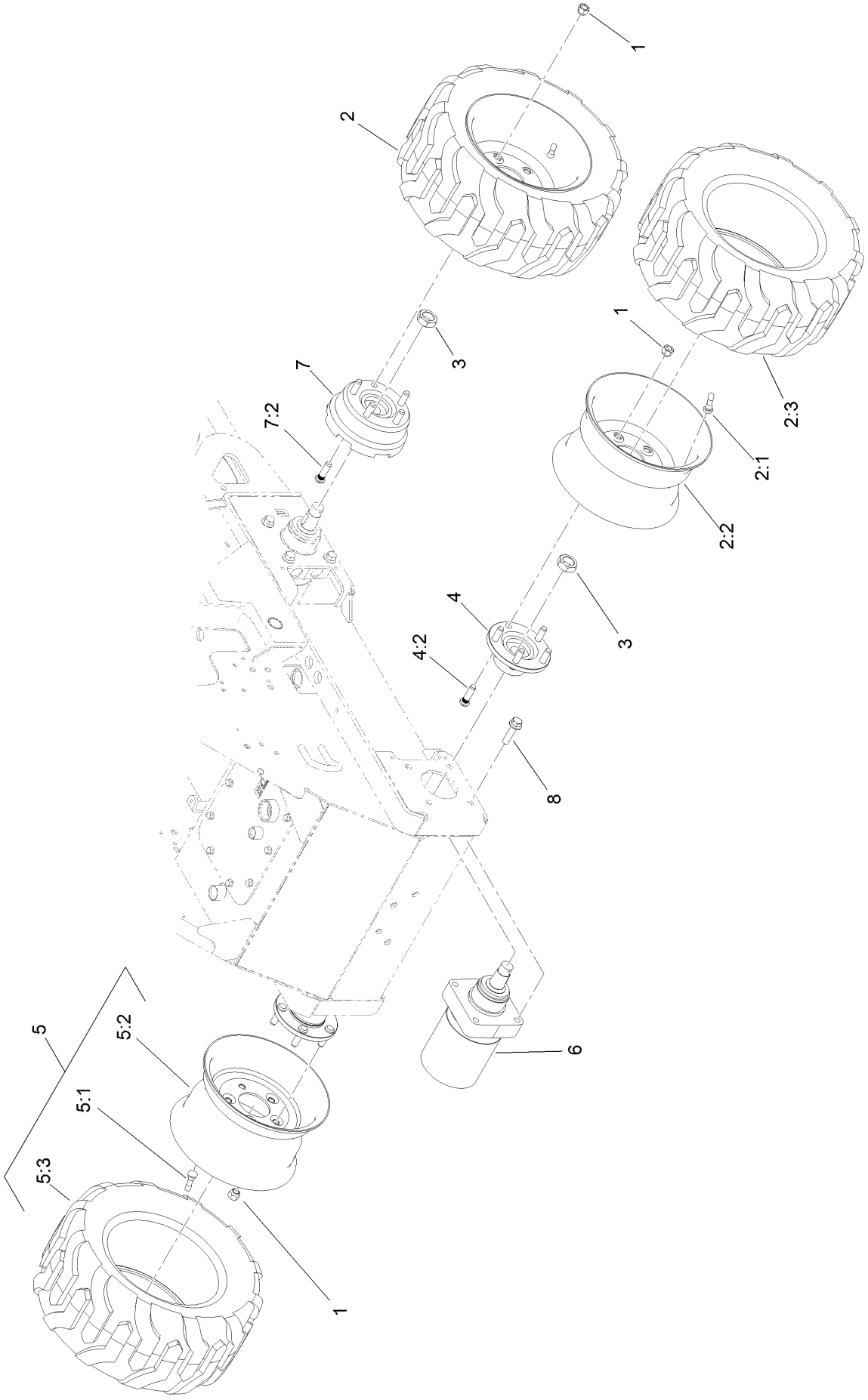
Rear Cover and Thigh Support Assembly



Rear Cover and Thigh Support Assembly (continued)

Ref.	Part Number	Qty.	Description
1	32144-70	1	Screw-HWHTF
2	99-3083	1	Bar-Hinge
3	99-3085	1	Hose-Hinge
4	114-1755	1	Cover ASM
4:2	93-7814	1	Decal-Danger
4:3	100-1701	1	Decal-Danger
5	32111-8	1	Nut-Acorn
6	46-8091	2	Screw-HWH
7	99-3035	1	Spacer-Guide
8	3230-22	1	Screw-CARR
9	74-5950	2	Latch-Swell
10	65-5100	1	Handle-Door
11	105-0337-03	1	Plate-Adjusting
12	105-0331-03	1	Bracket-Support, Thigh
13	99-3058	2	Washer
14	3234-7	2	Screw-HHF
15	117-1762	1	Lanyard ASM
15:1	117-8339	1	Lanyard-3 Inch
15:2	117-1764	1	Nut-Shoulder
15:3	98-1629	2	Washer
15:4	3234-29	1	Screw-HHF
16	3256-22	1	Washer-Flat
17	93-7340	1	Decal
18	105-0333	1	Support-Thigh
19	104-6156	2	Knob-Adjustment
20	3230-16	8	Screw-CARR
21	3256-70	4	Washer-Flat
22	3296-72	6	Nut-Lock, NI

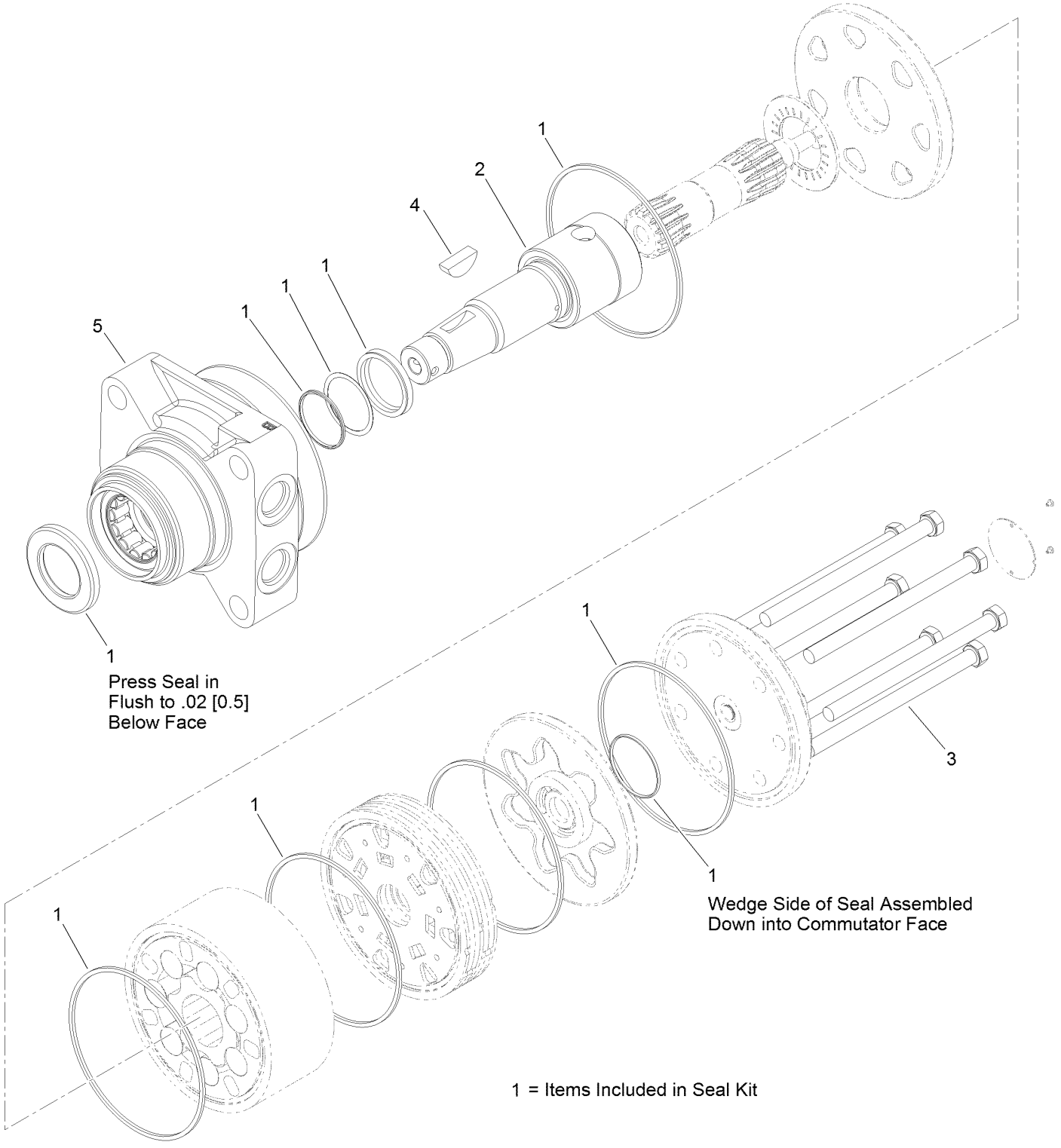
Wheel and Hydraulic Motor Assembly



Wheel and Hydraulic Motor Assembly (continued)

Ref.	Part Number	Qty.	Description
1	242-50	20	Nut-Lug
2	144-2575	2	Tire And Wheel ASM, LH
2:1	232-27	1	Stem-Valve
2:2	144-2572	1	Wheel-10X6.00, 5 Bolt
2:3	144-2573	1	Tire-18X8.50-10
3	106-8159	4	Nut-Hex Jam Lck
4	99-3064	2	Hub ASM
4:2	10-6830	5	Stud-Type, Drive
5	144-2574	2	Tire And Wheel ASM, RH
5:1	232-27	1	Stem-Valve
5:2	144-2572	1	Wheel-10X6.00, 5 Bolt
5:3	144-2573	1	Tire-18X8.50-10
6	99-3052	4	HYD Motor ASM
7	105-4056	2	Wheel Hub ASM
7:2	10-6830	5	Stud-Type, Drive
8	3234-27	16	Screw-HHF

Hydraulic Motor Assembly No. 99-3052

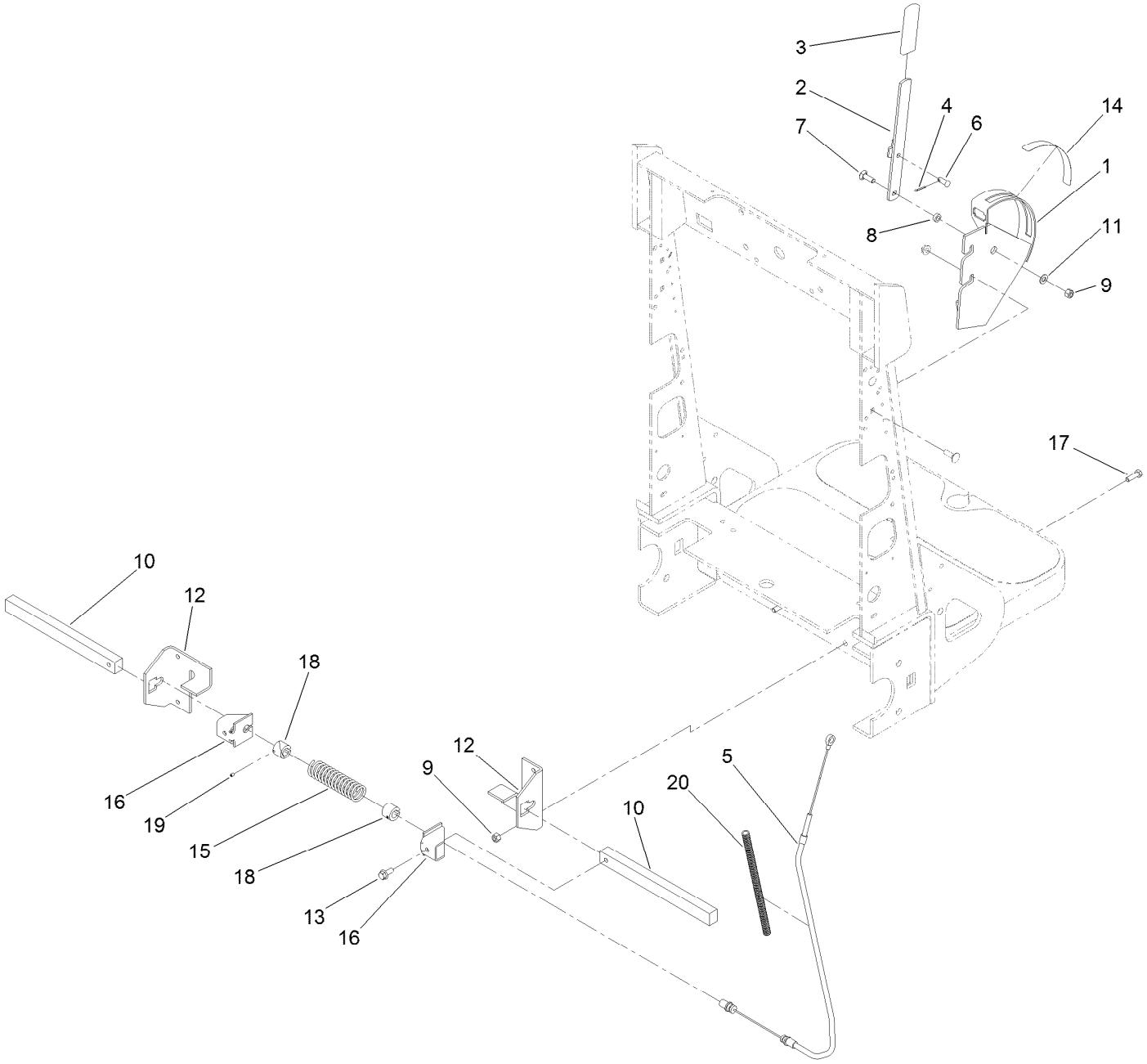


1 = Items Included in Seal Kit

Hydraulic Motor Assembly No. 99-3052 (continued)

Ref.	Part Number	Qty.	Description
1	100-6131	1	Seal Kit
2	99-3090	1	Shaft-Coupling
3	99-3091	7	Screw-Cap, HH
4	3257-42	1	Key-Woodruff
5	120-5392	1	Motor Housing ASM

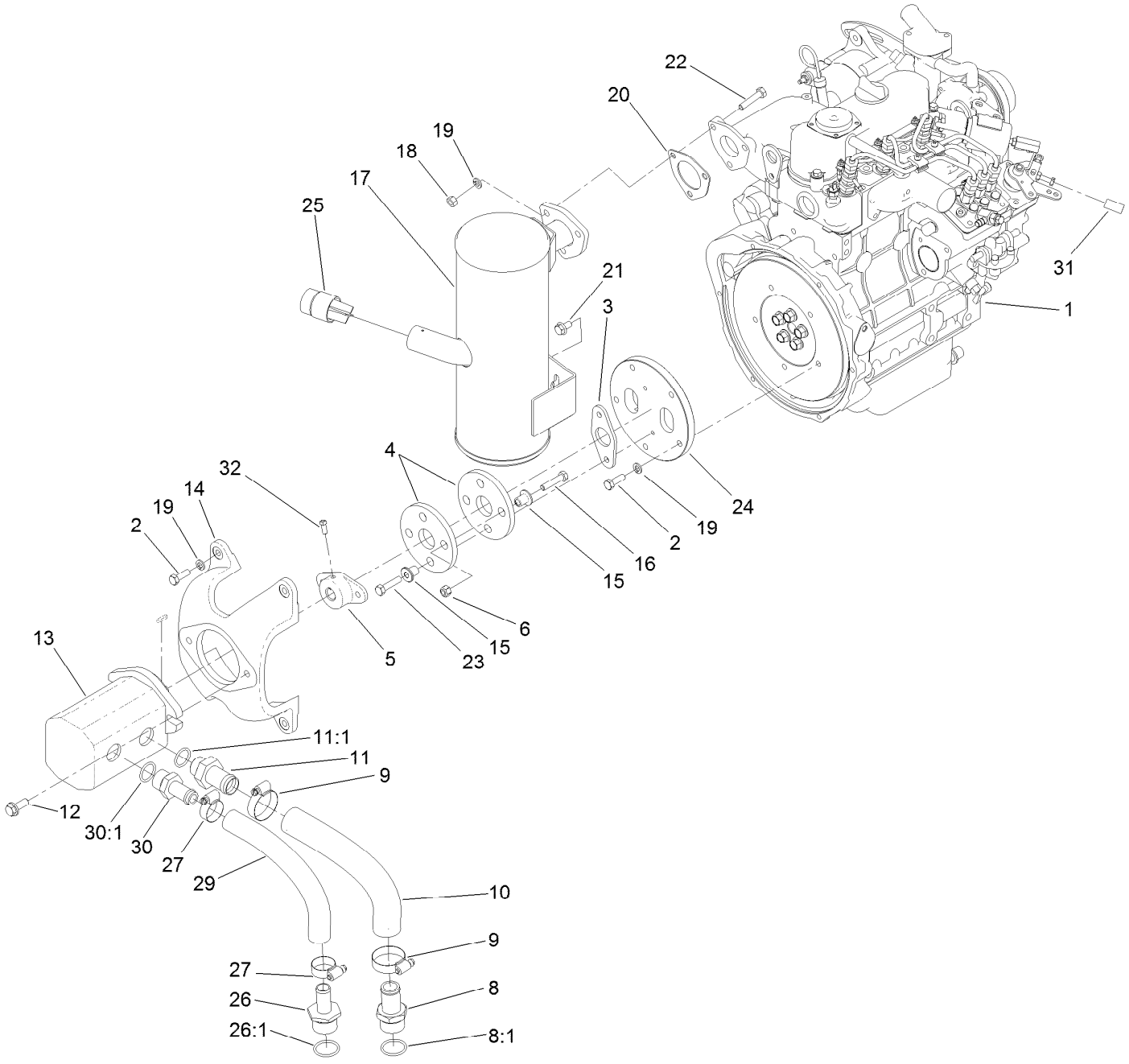
Parking Brake Assembly



Parking Brake Assembly (continued)

Ref.	Part Number	Qty.	Description
1	105-8414-03	1	Plate-Brake
2	100-1684-03	1	Lever-Brake
3	62-9130	1	Grip-Handle
4	3272-6	1	Pin-Cotter
5	100-1679	1	Cable
6	283-62	1	Pin-Clevis
7	3230-22	1	Screw-CARR
8	100-1683	1	Hub-Lever
9	3296-29	5	Nut-Lock, NI
10	100-1674-03	2	Bar-Brake
11	3256-23	1	Washer-Plain
12	100-1676-03	2	Bracket-Brake
13	100-1668	2	Screw-HHF
14	100-1692	1	Decal-Brake
15	100-1678-03	1	Spring
16	100-1677-03	2	Bracket-Cable
17	322-5	4	Screw-HH
18	100-6274	2	Tube-Guide
19	3245-20	2	Screw-Set
20	100-4697	1	Tube-Convoluted

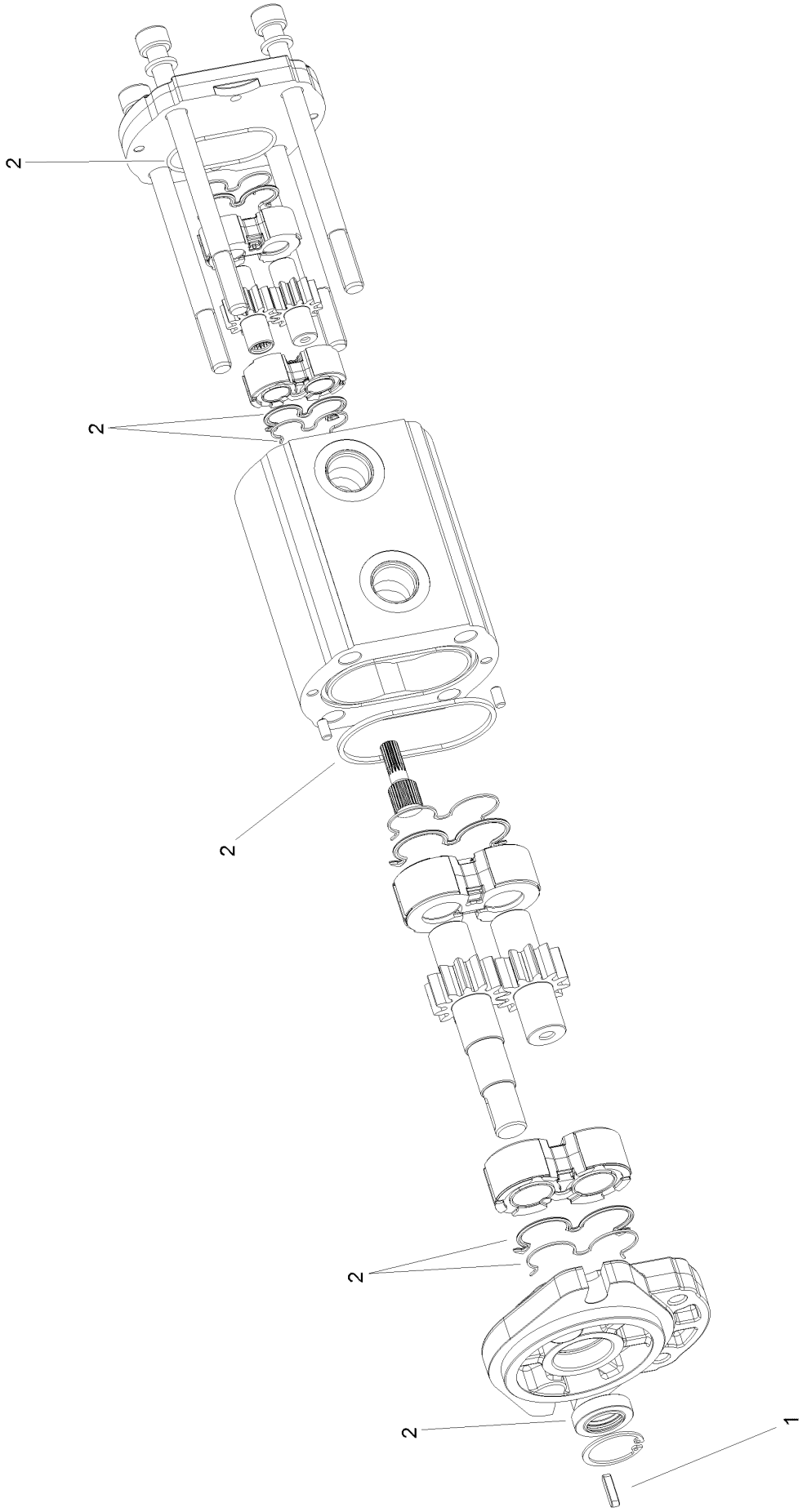
Engine, Muffler and Pump Assembly



Engine, Muffler and Pump Assembly (continued)

Ref.	Part Number	Qty.	Description
1	138-6901	1	Engine-Kubota, D722
2	99-5131	9	Bolt
3	99-1430	1	Spacer-Coupler
4	115-4523	2	Coupling-Rubber
5	98-4701	1	Hub-Pump
6	104-9469	2	Nut-Lock
8	354-78	1	Fitting-STR
8:1	237-146	1	O-Ring
9	2412-111	2	Clamp-Hose, W/Liner
10	131-0581	1	Hose-Suction
11	99-3017	1	Fitting
11:1	237-81	1	O-Ring
12	66-9300	2	Screw-HHF
13	98-4702	1	Pump-Gear, Tandem
14	131-0555-03	1	Mount-Pump
15	71-4411	4	Spacer
16	5-1470	2	Screw-HH
17	117-1828	1	Muffler
18	3217-6	3	Nut-Hex
19	3253-4	12	Washer-Lock
20	100-2238	1	Gasket-Muffler
21	117-1836	1	Screw-HHF, Lock
22	322-7	3	Screw-HH
23	99-5133	2	Bolt
24	99-1431	1	Adapter-Flywheel
25	142-7683	1	Screen-Spark Arrestor
26	99-6932	1	Fitting-STR
26:1	237-117	1	O-Ring
27	2412-129	2	Clamp-Hose
29	131-0583	1	Hose Suction
30	354-73	1	Fitting
30:1	237-81	1	O-Ring
31	117-1765	1	Tube-Aluminum
32	3241-5	1	Screw-Set

Tandem Hydraulic Pump Assembly No. 98-4702

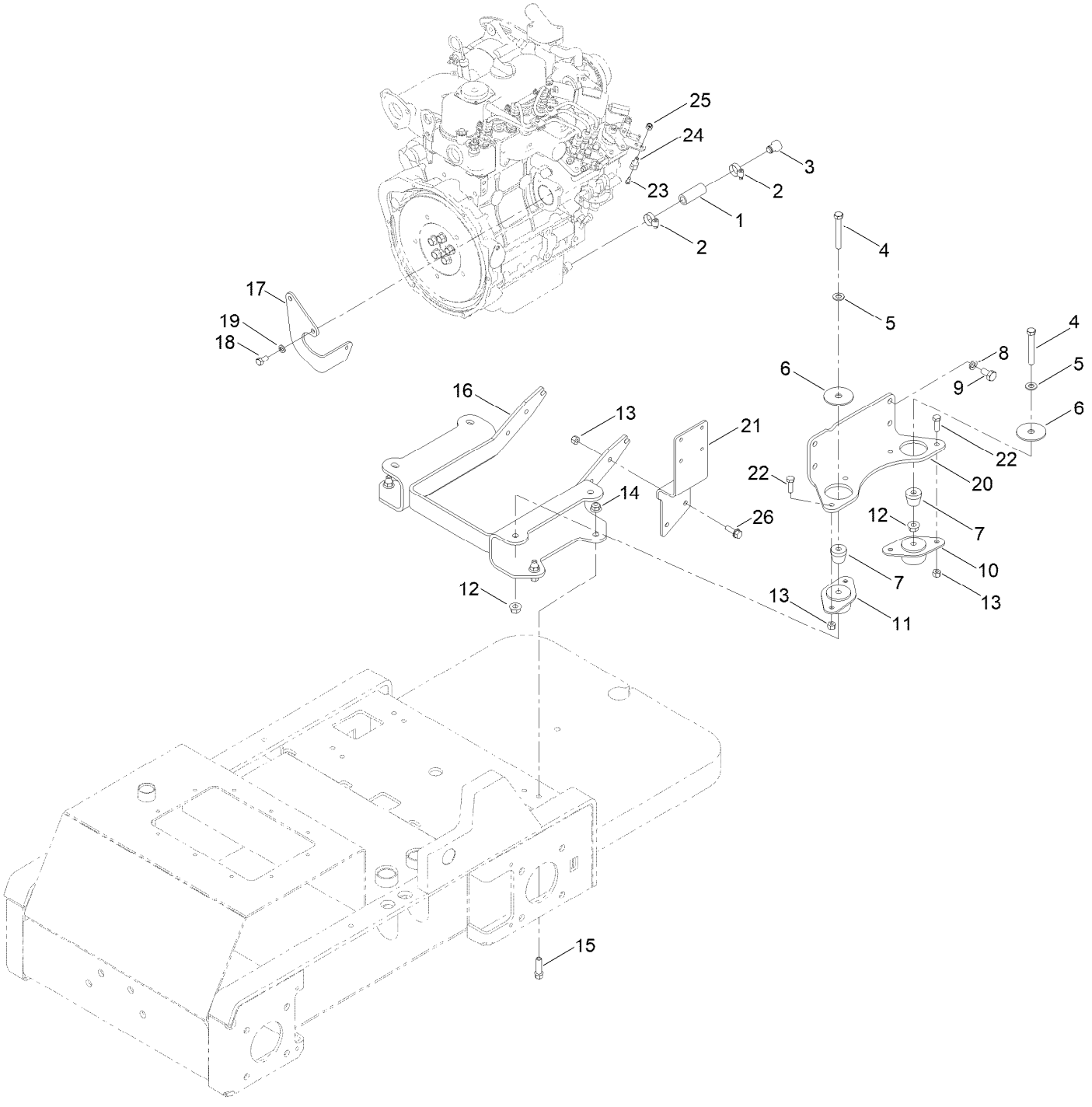


Tandem Hydraulic Pump Assembly No. 98-4702 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
1	98-4700	1	Key-Square
2	99-1353	1	Seal Kit [I]

[I] Not illustrated

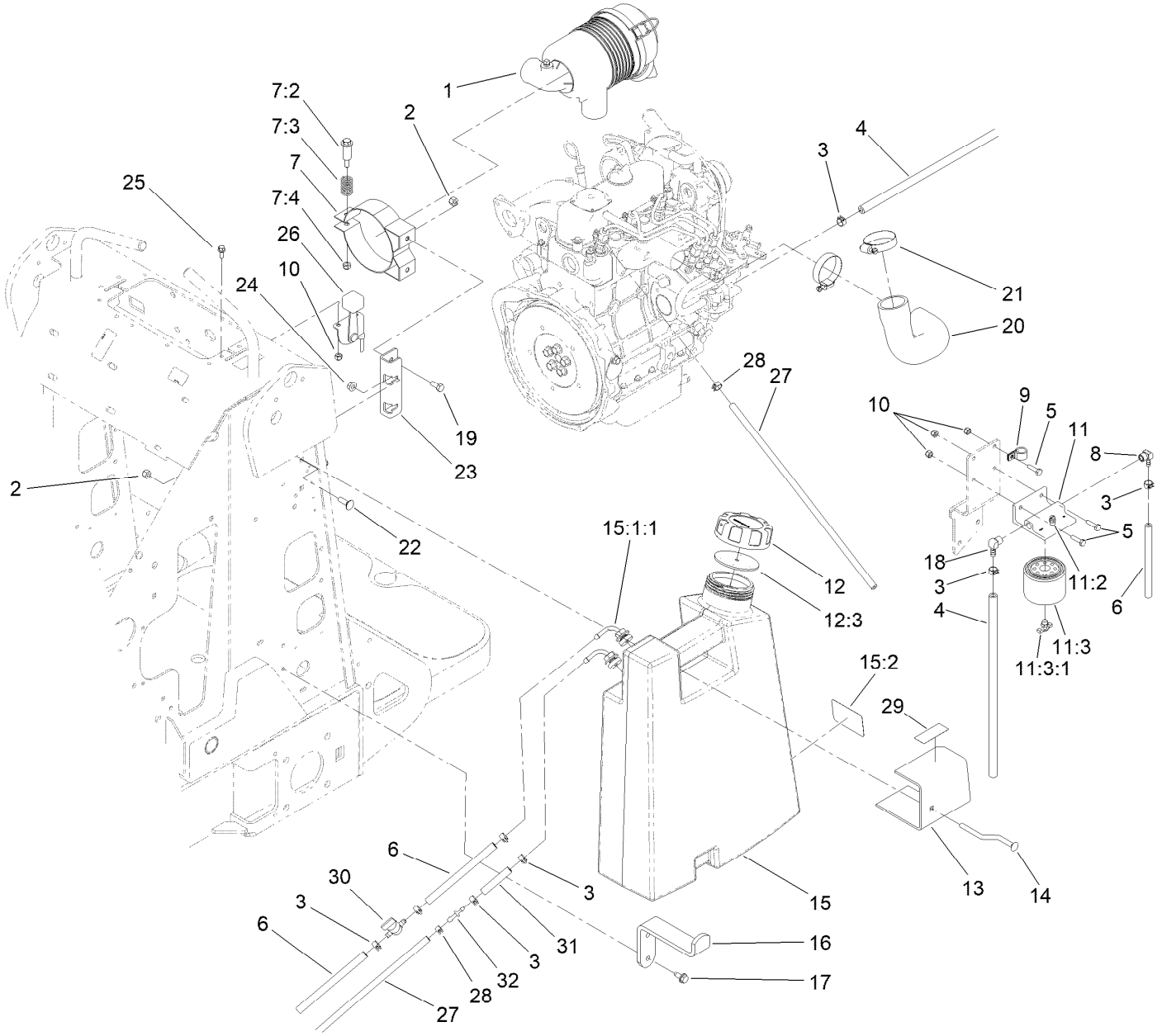
Engine Mount Assembly



Engine Mount Assembly (continued)

Ref.	Part Number	Qty.	Description
1	56-2230	1	Hose-Fuel
2	2412-36	2	Clamp-Hose
3	99-1445	1	Plug-Oil
4	323-13	4	Screw-HH
5	3256-24	4	Washer-Plain
6	87-5100	4	Washer-Snubbing
7	117-1859	4	Snubber-Engine Mount
8	48-9590	6	Washer-Lock
9	99-5130	8	Screw-HH
10	121-9076	2	Mount-Engine
11	93-5265	2	Mount-Engine
12	32128-29	4	Nut-Lock, Flg
13	3296-29	10	Nut-Lock, NI
14	104-8301	4	Nut-HF, NI
15	95-1727	4	Screw-Taptite
16	98-0066-01	1	Mount-Engine
17	130-2838-01	1	Mount-Solenoid
18	99-5132	2	Bolt
19	3253-4	2	Washer-Lock
20	98-0055-01	2	Plate-Mount, Engine
21	98-0059-01	1	Mount-Filter, Fuel
22	322-5	8	Screw-HH
23	25-8640	1	Screw-HH
24	93-0021	1	Swivel-Cable, Throttle
25	3296-13	1	Nut-Lock, NI
26	3234-29	2	Screw-HHF

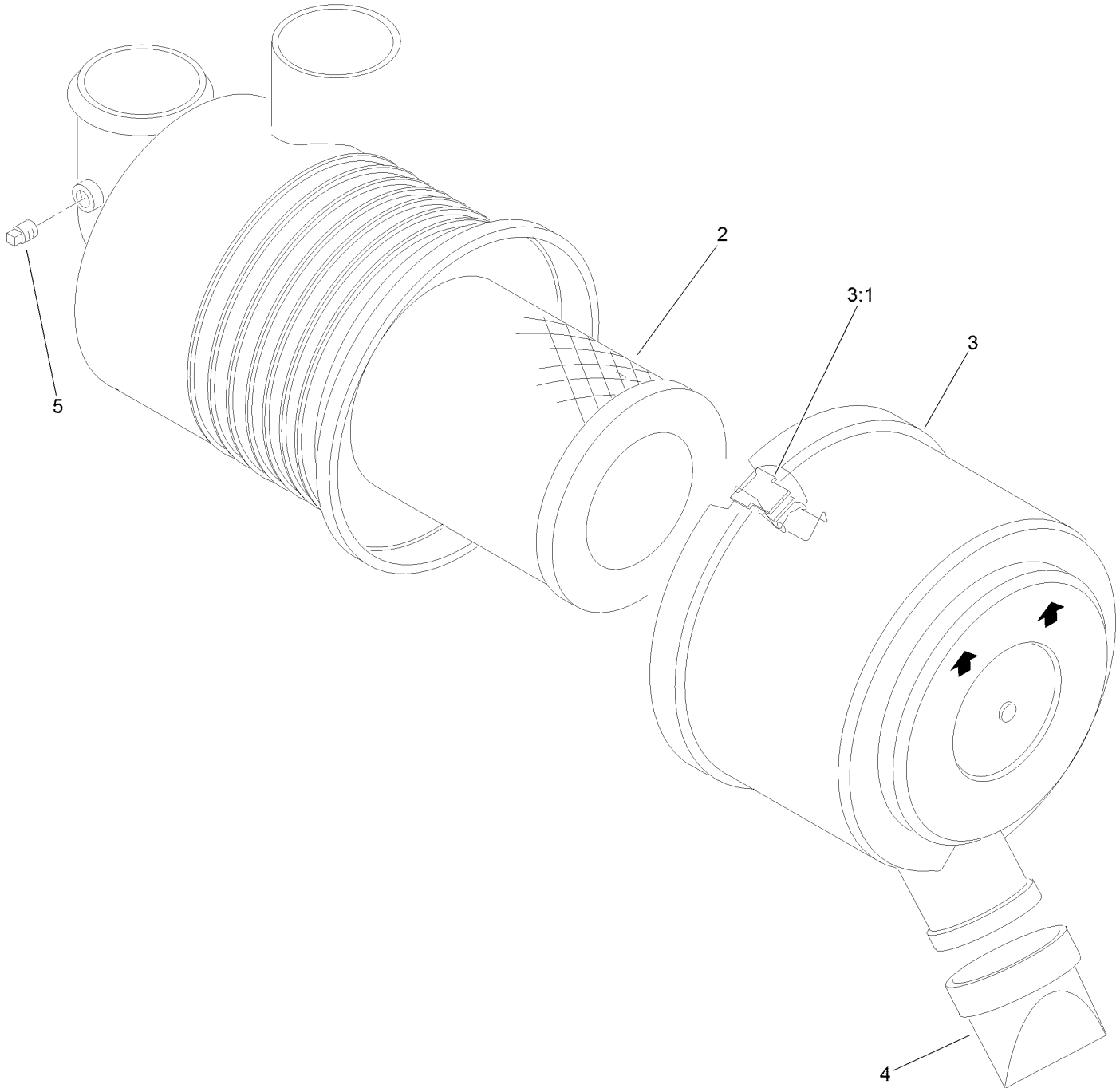
Fuel Tank and Air Filter Assembly



Fuel Tank and Air Filter Assembly (continued)

Ref.	Part Number	Qty.	Description
1	93-2190	1	Air Cleaner ASM
2	3296-29	3	Nut-Lock, NI
3	92-2379	8	Clamp-Hose
4	110-4113	1	Hose-Fuel
5	321-6	3	Screw-HH
6	107-0588	2	Hose-Fuel
7	93-2191	1	Air Cleaner Mounting Band ASM
7:2	94-3653	1	Bolt
7:3	94-3654	1	Spring
7:4	33024-00	1	Nut-Lock, NI
8	304-96	1	Elbow
9	2412-87	1	Clamp-Cable
10	3296-42	5	Nut-Lock, NI
11	109-2678	1	Filter ASM
11:2	63-8290	1	Vent-Air
11:3	63-8300	1	Element-Spin On
11:3:1	63-8310	1	Valve-Drain
12	104-7419	1	Cap-Fuel, Diesel
12:3	104-7420	1	Gasket-Vented
13	99-1444-03	1	Plate-Mount, Left
14	98-4657	1	Bolt-Mount
15	140-7237	1	Tank-Fuel, LH
15:1:1	103-2615	2	Fitting-Fuel, Bulkhead
15:2	100-4627	1	Reflector
16	98-4656-03	1	Mount-Bottom, Tank
17	32144-70	2	Screw-HWHTF
18	353-781	1	Fitting-HYD, 90
19	322-3	2	Screw-HH
20	99-5041	1	Hose-Cleaner, Air
21	2412-92	2	Clamp-Hose
22	3230-2	2	Bolt-CARR
23	99-3080-03	1	Mount-Cleaner, Air
24	32128-20	2	Nut-HF
25	3234-33	2	Screw-HHF
26	99-1422	1	Control-Throttle
27	110-8751	1	Hose-Fuel
28	2412-80	2	Clamp-Hose
29	114-9600	1	Decal-Low Sulfur
30	1-603770	1	Valve-Fuel
31	109-0304	1	Hose-Fuel
32	106-8150	1	Fitting-Straight

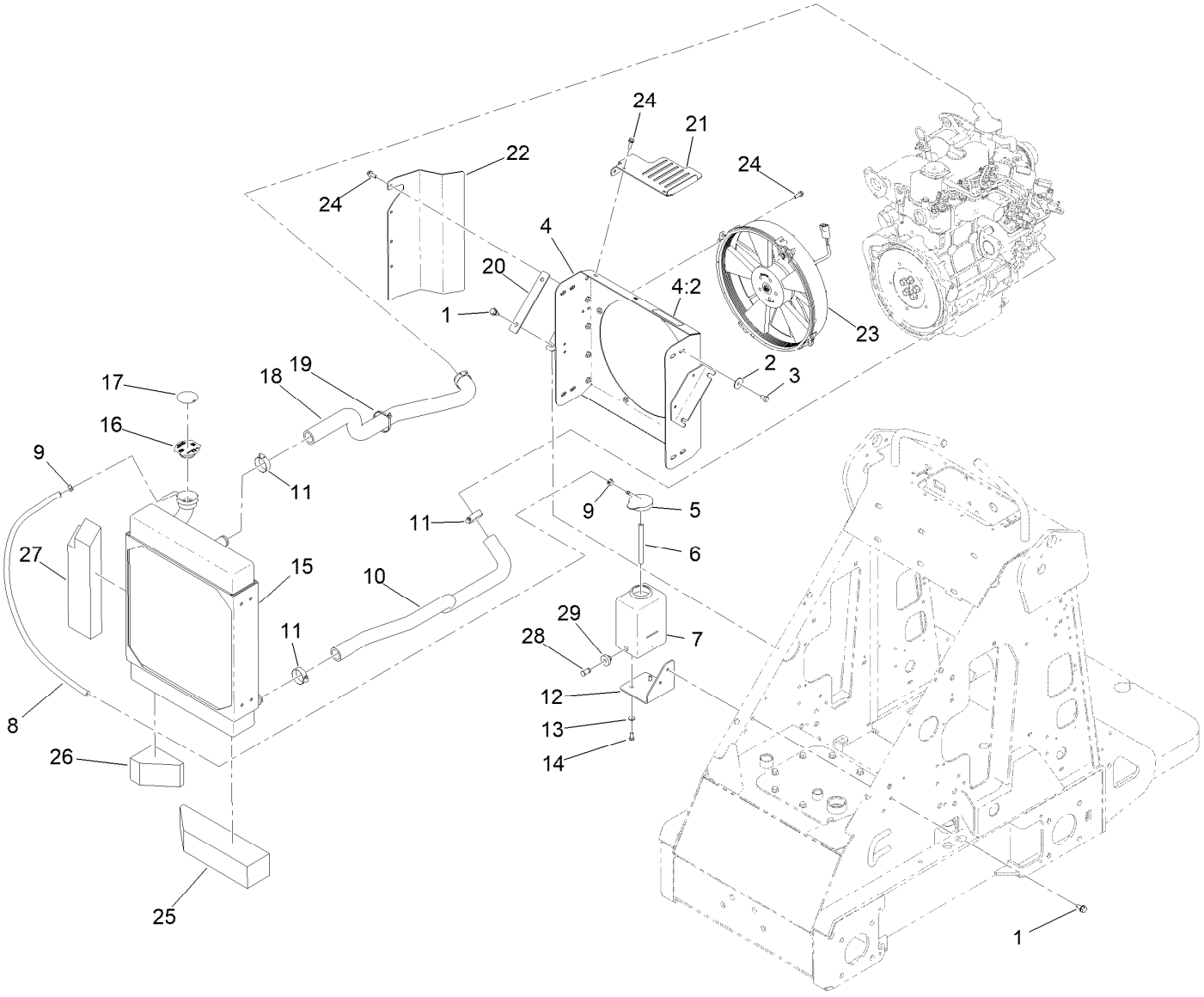
Air Cleaner Assembly No. 93-2190



Air Cleaner Assembly No. 93-2190 (continued)

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

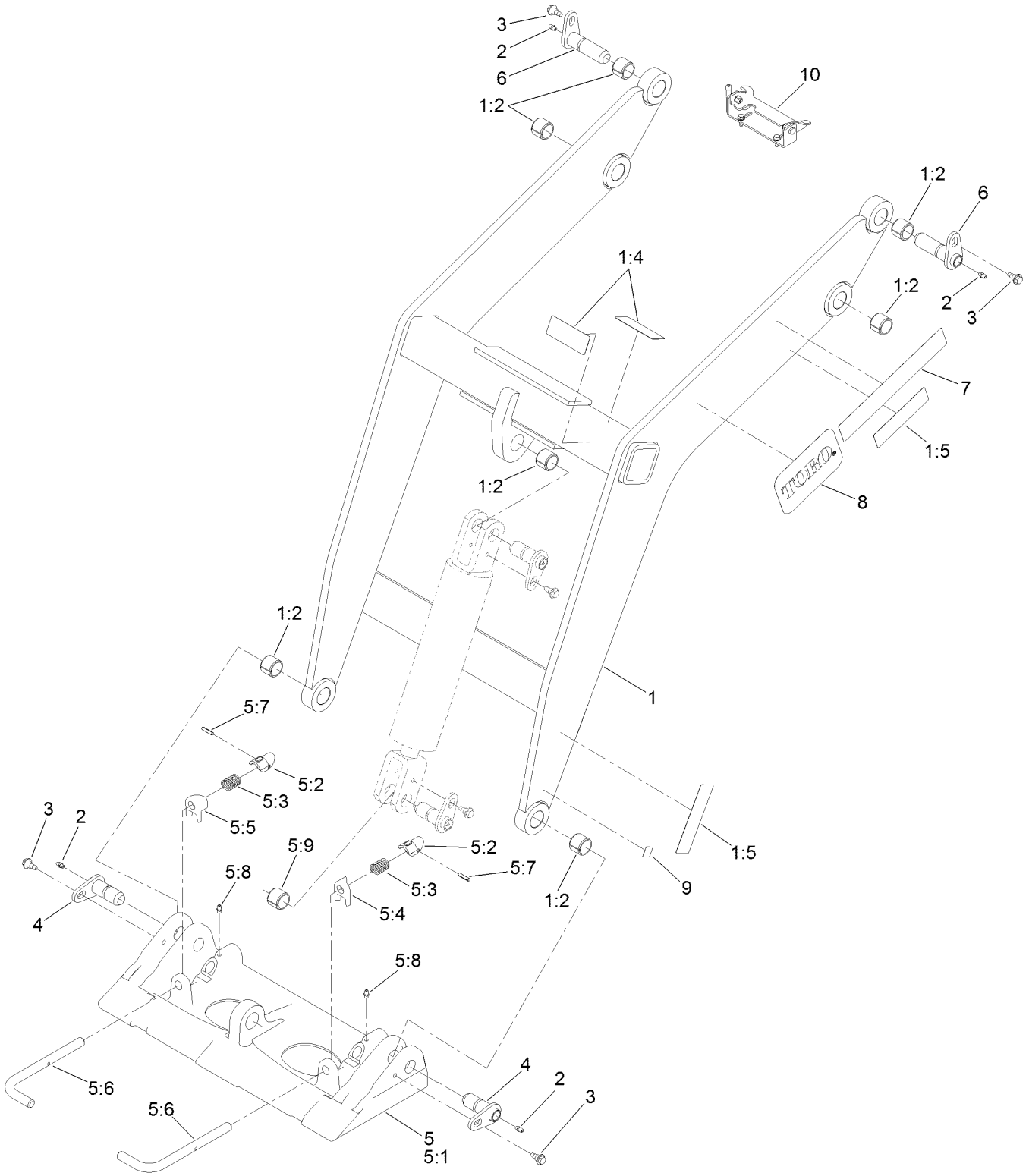
Radiator and Fan Assembly



Radiator and Fan Assembly (continued)

Ref.	Part Number	Qty.	Description
1	32144-70	6	Screw-HWHTF
2	3256-82	8	Washer-Flat
3	322-1	8	Screw-HH
4	130-2832	1	Mount-Radiator
4:2	120-0627	1	Decal-Warning
5	1-643164	1	Cap-Tank, Overflow
6	115-4736	1	Hose-Fuel
7	1-643163	1	Tank-Overflow
8	109-3491	1	Hose-Fuel
9	2412-98	2	Clamp-Hose
10	99-5042	1	Hose-Radiator, Lower
11	2412-34	4	Clamp-Hose
12	145-4796-01	1	Mount-Tank,Overflow
13	3256-22	2	Washer-Flat
14	137-3014	2	Screw-HH Lock
15	139-0771	1	Radiator
16	66-3240	1	Cap-Radiator
17	106-5976	1	Decal-Warning
18	99-5043	1	Hose-Radiator, Upper
19	3290-379	1	Tie-Cable
20	108-9746-01	2	Plate-Clamp, Radiator
21	130-2831-03	1	Fan-Guard
22	130-2833-03	1	Plate-Baffle
23	131-0558	1	Fan
24	117-8304	11	Screw-HHF, Patch
25	137-8896	1	Foam-Seal
26	137-8897	1	Foam-Seal
27	137-8898	1	Seal-Foam
28	108-2066	1	Plug-Grommet
29	46-6560	1	Bushing

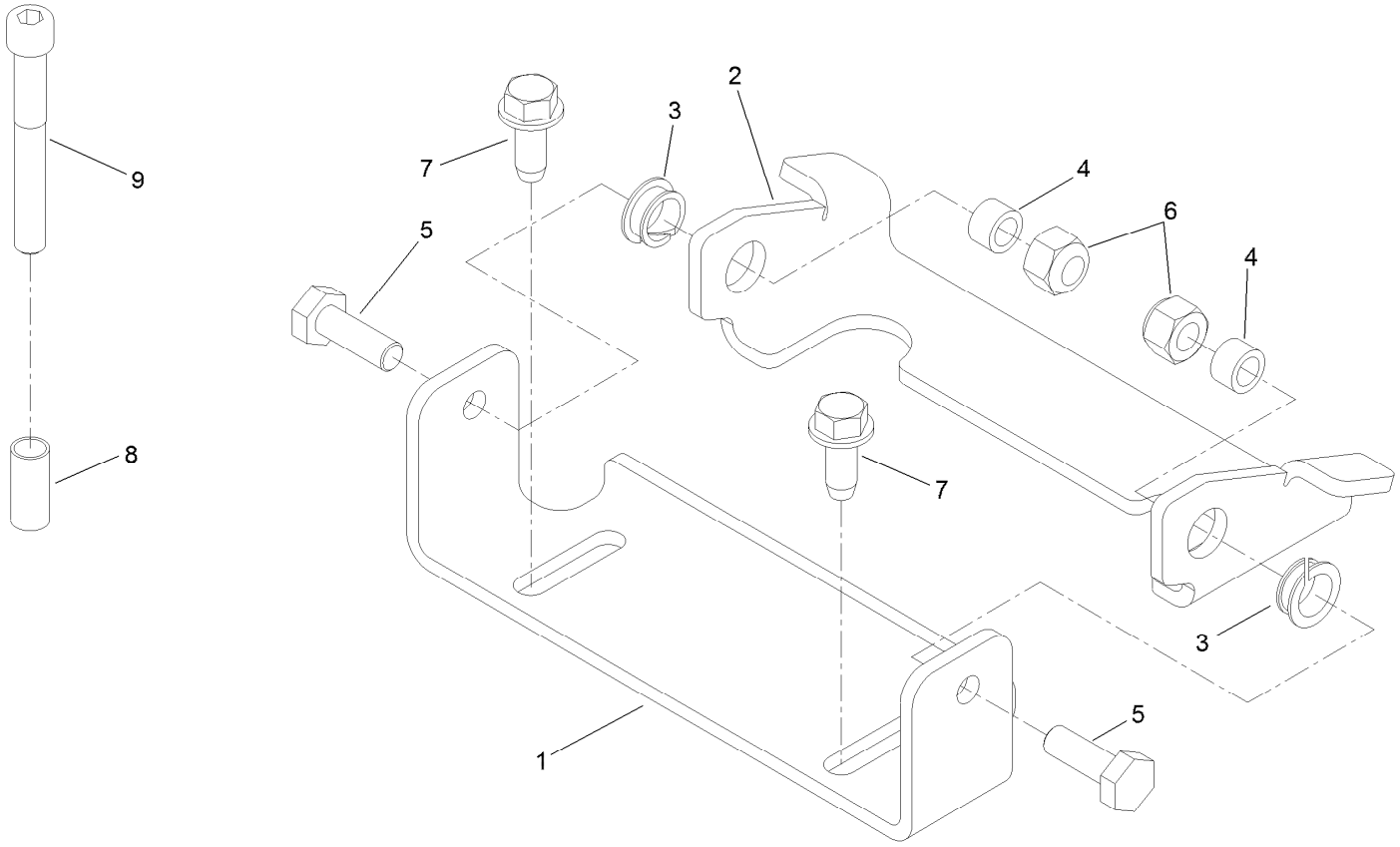
Loader and Quick Attach Assembly



Loader and Quick Attach Assembly (continued)

Ref.	Part Number	Qty.	Description
1	114-1754	1	Loader ASM
1:2	98-4871	7	Bushing-Tension
1:4	130-2836	4	Decal-Warning, Crushing
1:5	130-2837	2	Decal-Warning, No Rider
2	302-5	4	Fitting-Grease
3	99-5105	4	Screw-Shoulder
4	112-2609	2	Pin-Pivot
5	132-8418	1	Quick Attach ASM
5:1	130-7708-03	1	Mount-Qtach
5:2	105-0246	2	Cam
5:3	98-4694	2	Spring-Compression
5:4	104-5909	1	Stop-RH
5:5	104-5903	1	Stop-LH
5:6	132-8419	2	Pin-Locking
5:7	3285-1	2	Pin-Grooved
5:8	302-5	2	Fitting-Grease
5:9	98-4871	1	Bushing-Tension
6	120-5363	2	Pin-Pivot
7	117-1816	2	Decal
8	93-7340	2	Decal
9	93-9084	2	Decal-Point, Lift
10	108-4702	1	Lever Lock ASM

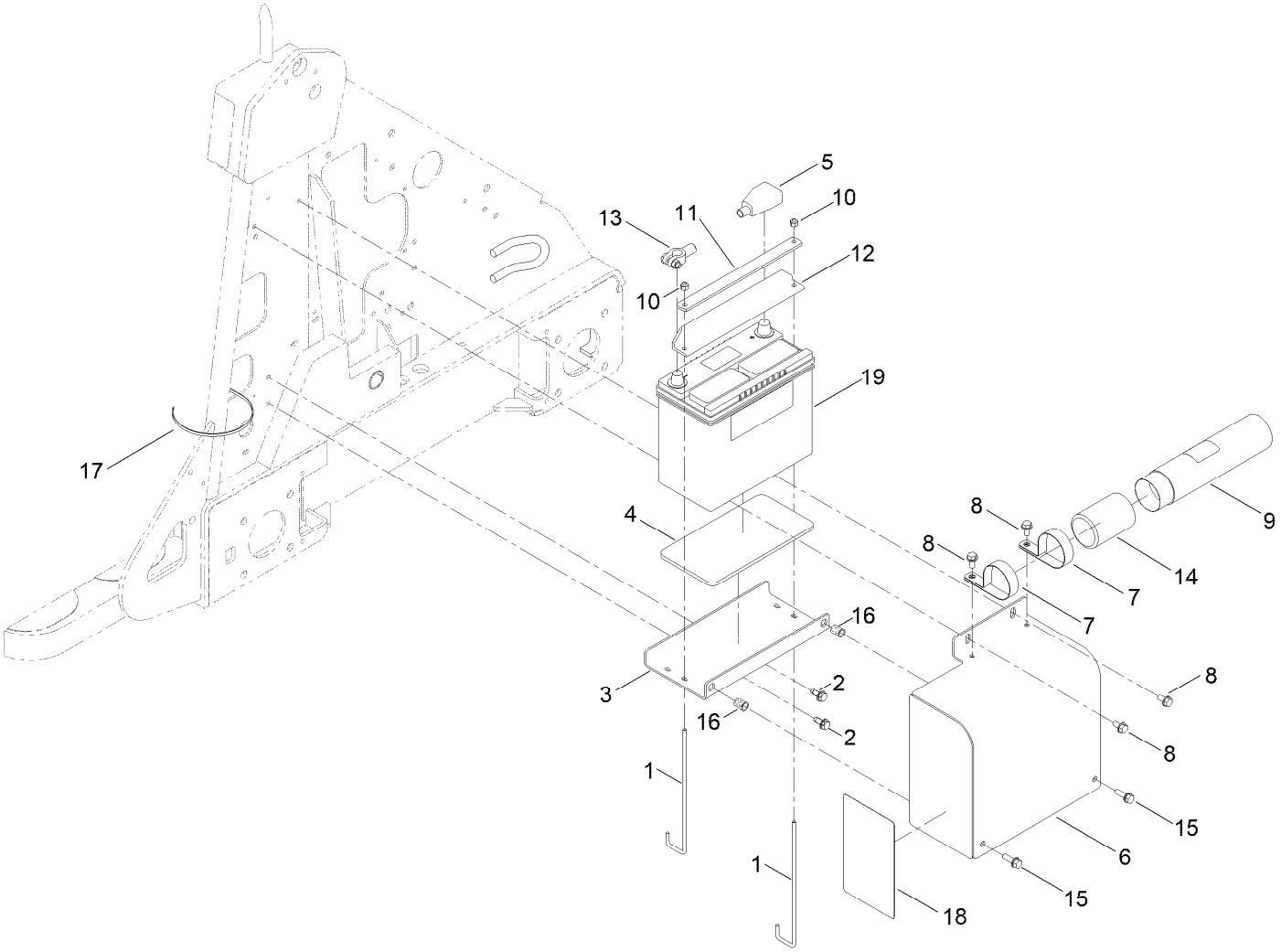
Lever Lock Assembly No. 108-4702



Lever Lock Assembly No. 108-4702 (continued)

Ref.	Part Number	Qty.	Description
1	108-4703-03	1	Bracket-Lever Lock
2	108-4704-03	1	Arm-Lever Lock
3	5979	2	Bushing-Nyliner
4	88-7860	2	Spacer
5	321-4	2	Screw-HH
6	3296-42	2	Nut-Lock, NI
7	32144-10	2	Screw-HWH
8	108-4705	1	Spacer
9	3274-19	1	Screw-HSH

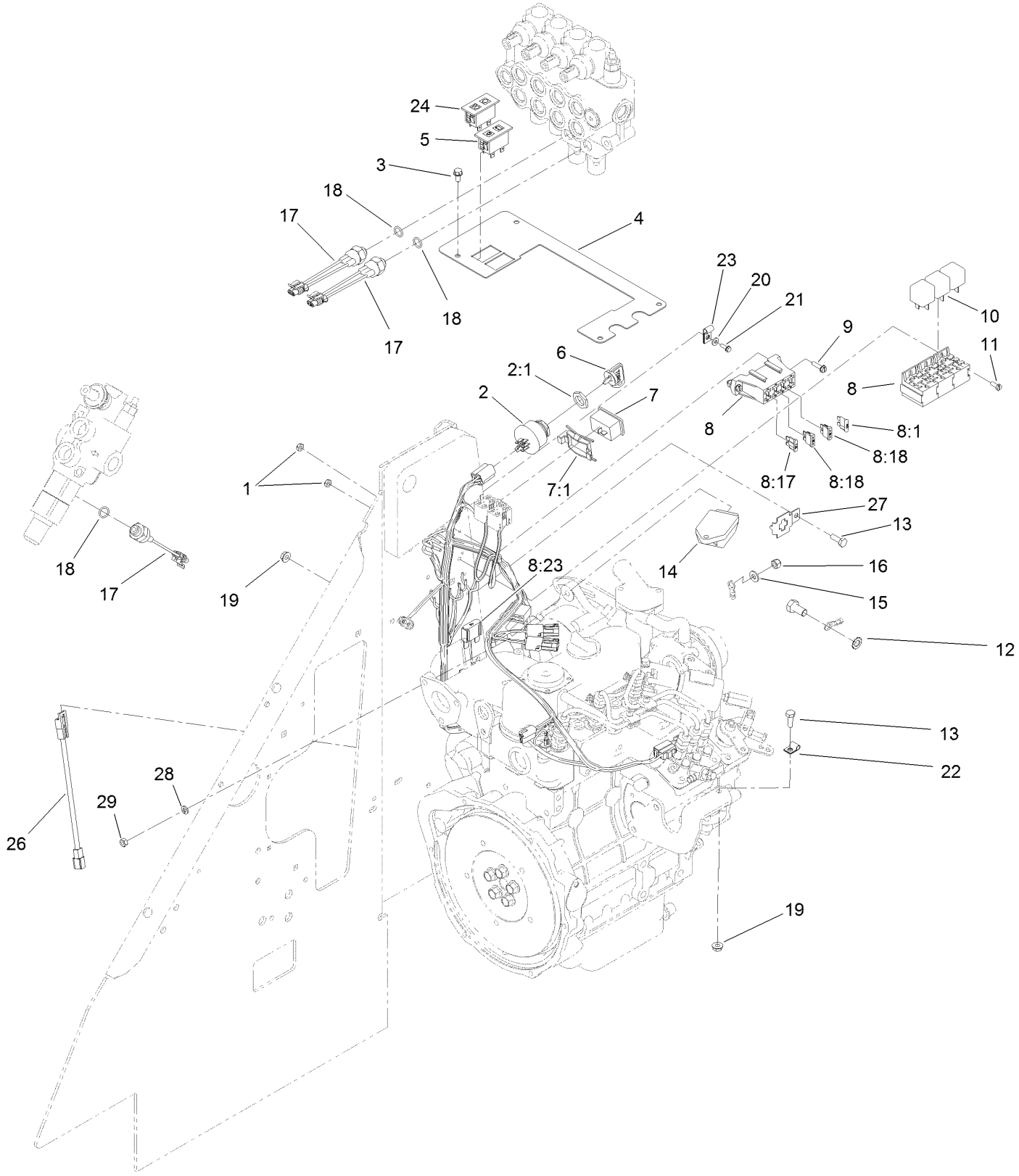
Battery Mount Assembly



Battery Mount Assembly (continued)

Ref.	Part Number	Qty.	Description
1	99-5035	2	Retainer-Battery
2	32144-70	2	Screw-HWHTF
3	98-2665-03	1	Mount-Battery
4	99-5030	1	Pad-Battery
5	100-1708	1	Cable-Battery, Positive
6	98-2670-03	1	Cover-Battery
7	2412-133	2	Clamp-R
8	32144-14	4	Screw-HWHTF
9	104-7050	1	Tube-Manual
10	3296-42	2	Nut-Lock, NI
11	99-5008-01	1	Retainer-Battery
12	99-5039	1	Retainer-Battery
13	100-1709	1	Cable-Battery, Negative
14	104-7048	1	Cap-Housing
15	3234-29	2	Screw-HHF
16	32148-7	2	Nut-Clinch
17	3290-379	1	Tie-Cable
18	139-8816	1	Decal-Service Tx320D
18	139-8821	1	Decal-Service Tx320D De
18	139-8825	1	Decal-Service Tx320D ES
18	139-8830	1	Decal-Service Tx320D Fr
18	139-8835	1	Decal-Service Tx320D It
18	139-8840	1	Decal-Service Tx320D Ne
18	139-8845	1	Decal-Service Tx320D Pl
18	139-8850	1	Decal-Service Tx320D Ru
18	139-8855	1	Decal-Service Tx320D Sk
19	99-1441	1	Battery

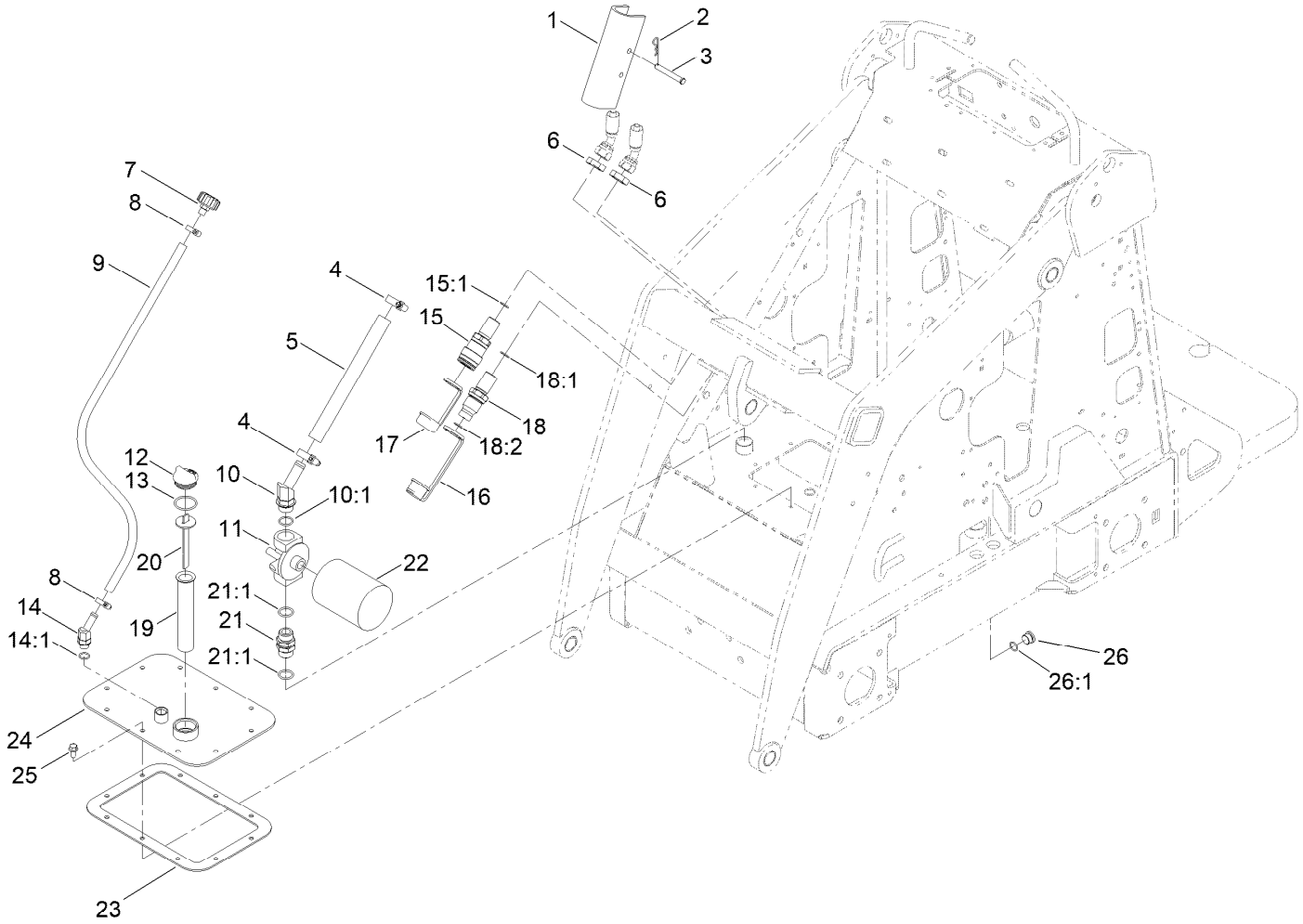
Switch, Hour Meter and Wire Harness Assembly



Switch, Hour Meter and Wire Harness Assembly (continued)

Ref.	Part Number	Qty.	Description
1	3296-12	4	Nut-Lock, NI
2	104-2541	1	Ignition Switch ASM
2:1	218-461	1	Nut-HH
2:2	3254-5	1	Washer-Lock
3	32144-4	4	Screw-HWH
4	105-8351-03	1	Plate-Cover
5	100-8070	1	Lamp-Warning
6	63-8360	2	Key-Ignition
7	104-7429	1	Hour Meter ASM
7:1	104-4234	1	Clip-Mounting
8	131-5710	1	Harness-Wire
8:1	99-6124	1	Fuse-40 Amp
8:17	114241	1	Fuse-Blade, 7.5 Amp
8:18	109355	2	Fuse-Blade, 15 Amp
8:23	94-8002	1	Fuse-Blade, 50 Amp
9	32105-13	2	Screw-HWH
10	98-7249	3	Relay
11	32105-8	1	Screw-SHH
12	3255-9	1	Washer-Lock
13	321-4	2	Screw-HH
14	107-9097	1	Controller-Glow
15	100-2215	1	Washer-Spring
16	100-2171	1	Nut-Hex
17	72-4310	3	Switch-Ball
18	237-42	3	O-Ring
19	32128-33	2	Nut-HF
20	3256-21	1	Washer-Flat
21	32144-87	1	Screw-HWHTF
22	2412-31	1	Clamp-Boden
23	2412-72	1	Clip-Closed, Insulated
24	100-8071	1	Lamp-Warning
26	112-2463	1	Harness-Link, Fusible
27	114-5502	1	Clip-Fuse
28	43-5930	1	Washer-Lock, Spring
29	43-2830	1	Nut-Hex

Cylinder Lock and Hydraulic Assembly

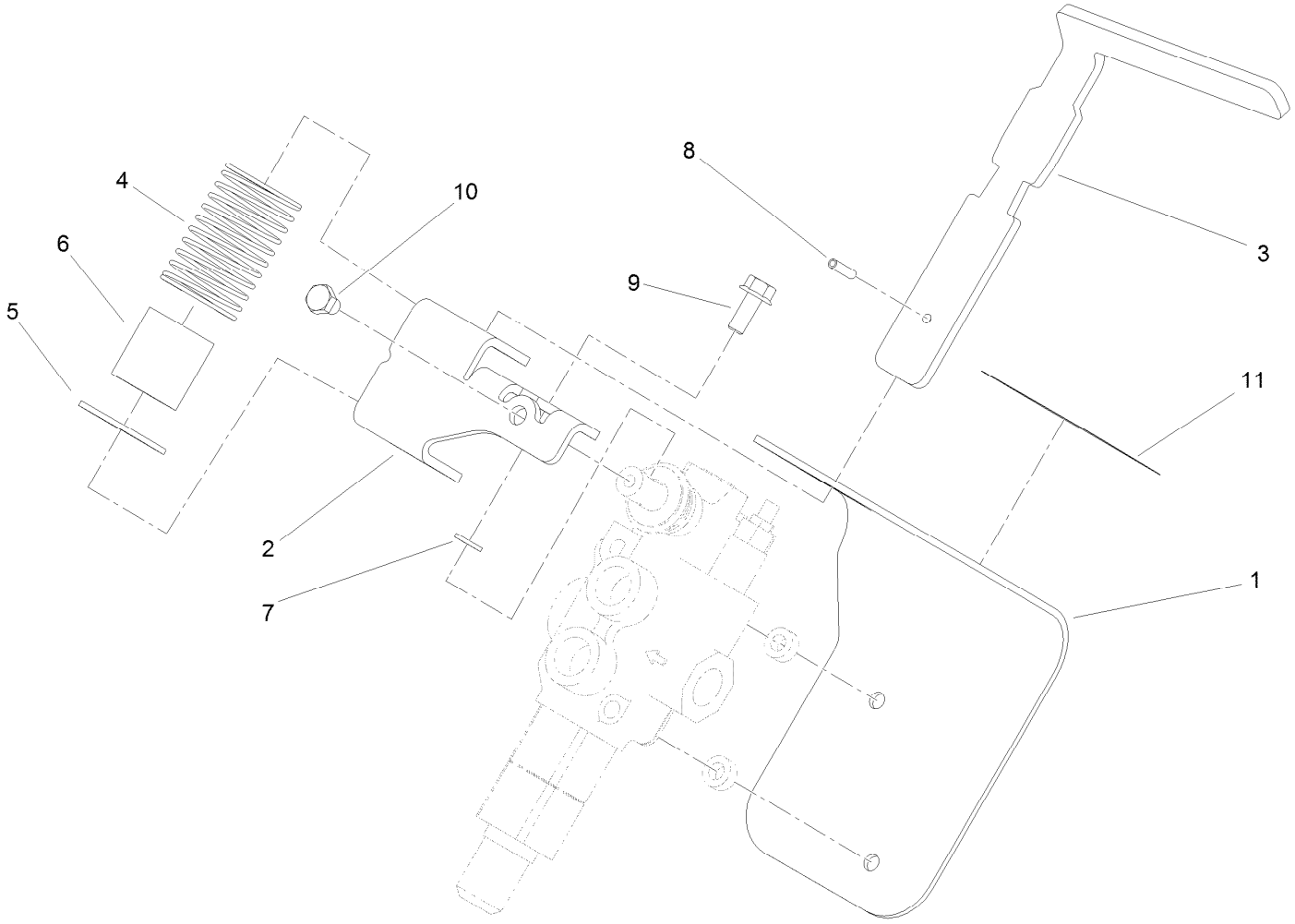


Cylinder Lock and Hydraulic Assembly (continued)

Ref.	Part Number	Qty.	Description
1	98-4675-01	2	Lock-Cylinder
2	3290-467	2	Pin-Hair
3	283-52	2	Pin-Clevis
4	2412-129	2	Clamp-Hose
5	98-4745	1	Hose-HYD, Suction, Hi
6	340-74	2	Nut-Lock, Bulkhead
7	68-6150	1	Breather
8	2412-36	2	Clamp-Hose
9	98-2708	1	Hose-Vent
10	354-127	1	Fitting-Elbow45
10:1	237-81	1	O-Ring
11	92-5821	1	Head-Filter
12	93-7498	1	Plug-Plastic
13	237-101	1	O-Ring
14	354-126	1	Fitting-Elbow, 45
14:1	237-79	1	O-Ring
15	105-8394	1	Bulkhead Coupler ASM
15:1	237-65	1	O-Ring
16	100-8815	1	Cap-Dust, Nipple
17	100-8816	1	Cap-Dust, Coupler
18	105-8395	1	Bulkhead Nipple ASM
18:1	237-65	1	O-Ring
18:2	100-6120	1	Seal Kit [I]
19	61-2790	1	Filter-Screen
20	100-2097	1	Dipstick-Oil
21	98-9906	1	Fitting-Thread, Straight
21:1	237-81	2	O-Ring
22	54-0110	1	Filter-Oil, Transmission
23	98-9927	1	Gasket-Cover
24	100-1713-01	1	Cover
25	98-9940	10	Screw-HHF
26	353-988	1	Plug-Hex
26:1	237-79	1	O-Ring

[I] Not illustrated

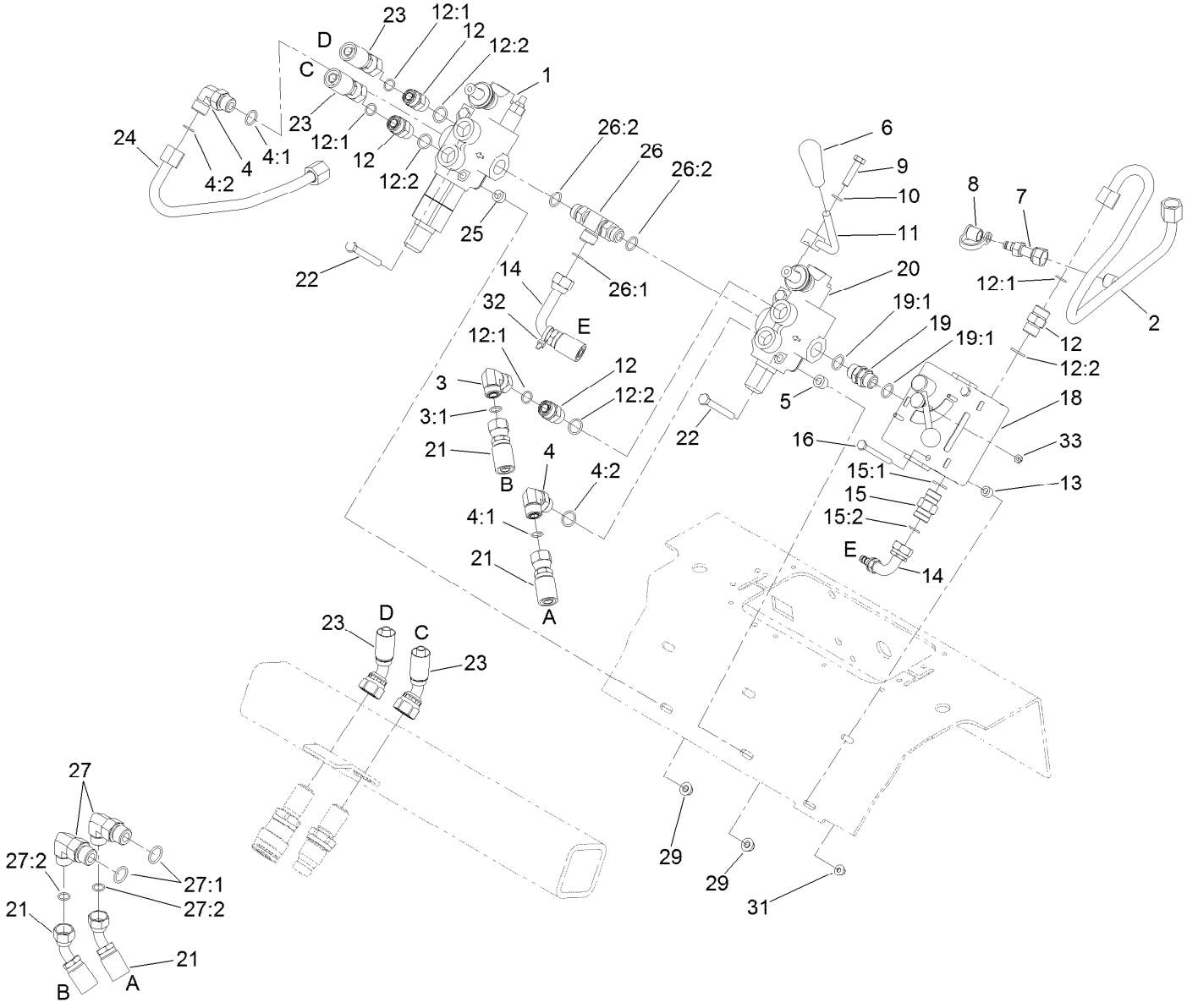
Auxiliary Control Lever Assembly



Auxiliary Control Lever Assembly (continued)

Ref.	Part Number	Qty.	Description
1	110-0121-03	1	Bracket-Auxiliary
2	114-1263-03	1	Mount-Lever, Auxiliary
3	110-0123	1	Handle-Lever, Auxiliary
4	110-0124	1	Spring
5	110-0125	1	Retainer-Spring, Auxiliary
6	110-0160	1	Tube-Spring
7	3253-4	1	Washer-Lock
8	32121-3	1	Pin-Spring
9	33104-020	1	Screw-HHF
10	33114-010	1	Screw-HH
11	108-4723	1	Decal-Auxiliary, CE

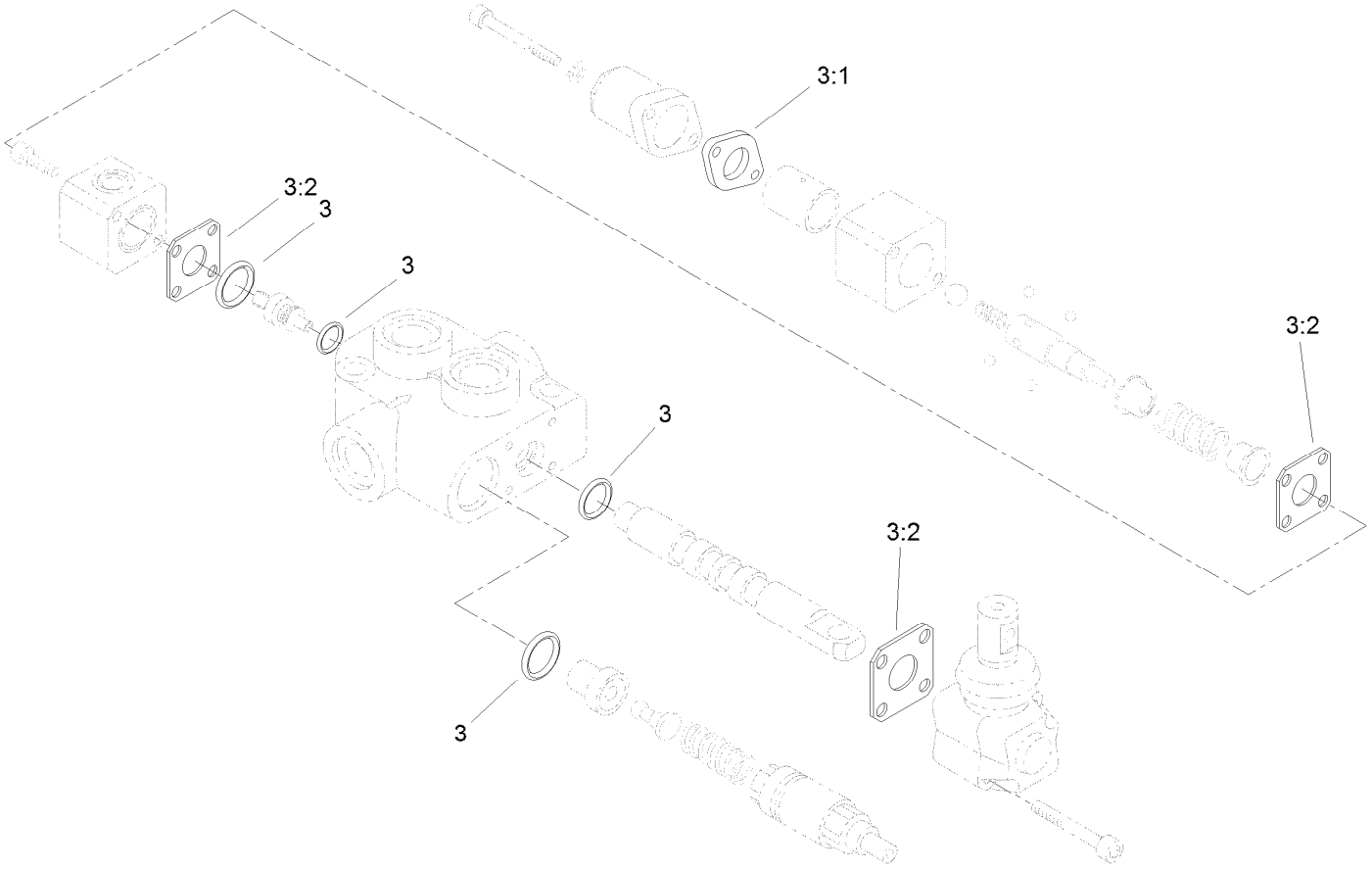
Selector Valve and Auxiliary Valve Assembly



Selector Valve and Auxiliary Valve Assembly (continued)

Ref.	Part Number	Qty.	Description
1	99-3077	1	Valve-HYD, Auxiliary
2	105-7878	1	Tube-HYD
3	94-6031	1	Elbow-90
3:1	237-30	1	O-Ring
4	340-98	2	Fitting-Elbow, 90 DEG
4:1	237-79	1	O-Ring
4:2	237-30	1	O-Ring
5	98-4695	2	Spacer
6	98-0152	1	Knob-Tapered
7	86-5480	1	Nipple-Test
8	354-79	1	Cap-Dust
9	33114-035	1	Screw-HH
10	3253-4	1	Washer-Lock
11	108-9709-03	1	Lever-Control
12	340-4	4	Fitting-Straight
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	98-4799	2	Spacer
14	100-2245	1	Hose-HYD
15	98-4735	1	Valve-Check, HYD
15:1	237-30	1	O-Ring
15:2	237-79	1	O-Ring
16	321-14	2	Screw-HH
18	104-4221	1	HYD Valve Kit
19	95-3209	1	Fitting-Thread, Straight
19:1	237-79	2	O-Ring
20	99-3072	1	Valve-Selector, HYD
21	100-1730	2	Hose-Pump, HYD
22	322-13	4	Screw-HH
23	100-8817	2	Hose-HYD
24	105-7879	1	Tube-HYD
25	100-2085	2	Spacer
26	98-9079	1	Adapter-Tee, Adjustable
26:1	237-30	1	O-Ring
26:2	237-79	2	O-Ring
27	340-105	2	Fitting-Elbow, 90 DEG
27:1	237-80	1	O-Ring
27:2	237-30	1	O-Ring
29	104-8300	4	Nut-HF, NI
31	119-4040	2	Nut-HF, NI
32	3290-379	18	Tie-Cable
33	3296-27	1	Nut-Lock, NI

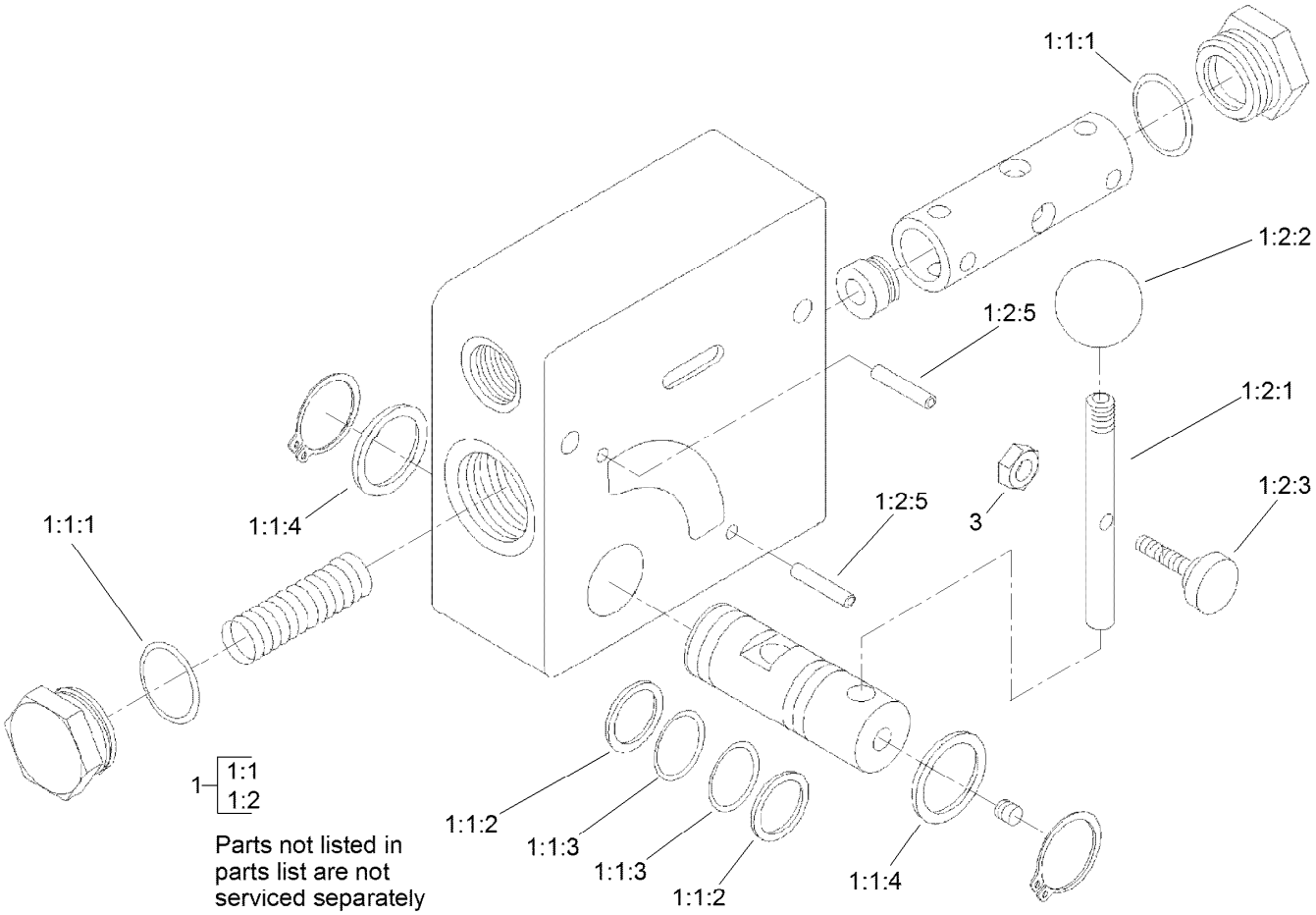
Auxiliary Hydraulic Valve Assembly No. 99-3077



Auxiliary Hydraulic Valve Assembly No. 99-3077 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
3	99-4390	1	Seal Kit
3:1	99-3074	4	Gasket
3:2	99-3075	8	Gasket

Hydraulic Valve Assembly No. 104-4221

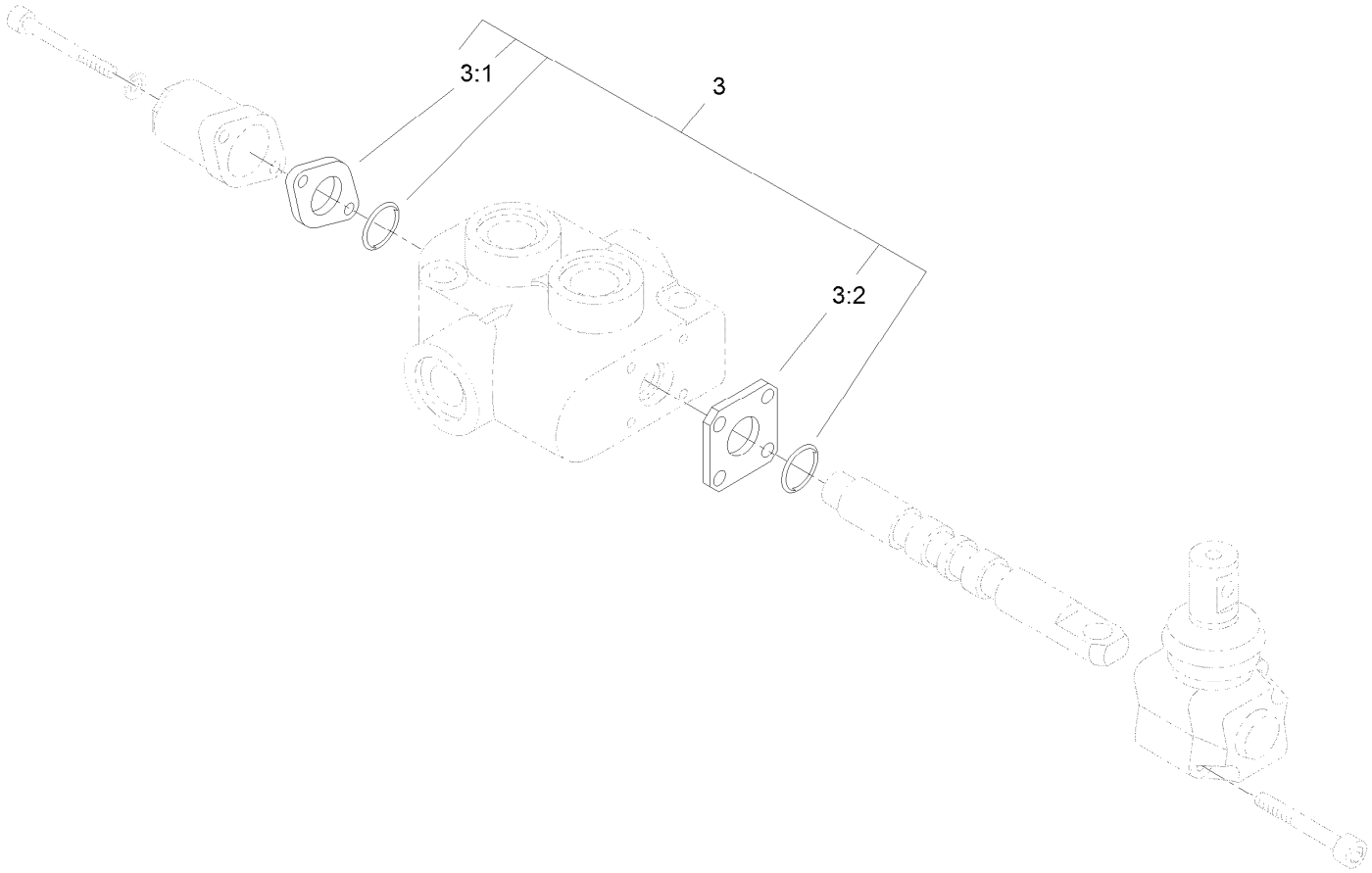


Hydraulic Valve Assembly No. 104-4221 (continued)

Ref.	Part Number	Qty.	Description
1		1	Valve-Flow, Hydraulic [I]
1:1	104-4231	1	Seal Kit
1:1:1		2	O-Ring [I]
1:1:2		2	Back-Up [I]
1:1:3		2	O-Ring [I]
1:1:4		2	Quad Ring [I]
1:2	98-9098	1	Handle Hardware Kit
1:2:1		1	Handle [I]
1:2:2		1	Knob [I]
1:2:3		1	Screw-Thumb [I]
1:2:5		2	Pin-Roll [I]
3	3296-27	1	Nut-Lock, NI

[I] Not serviced separately

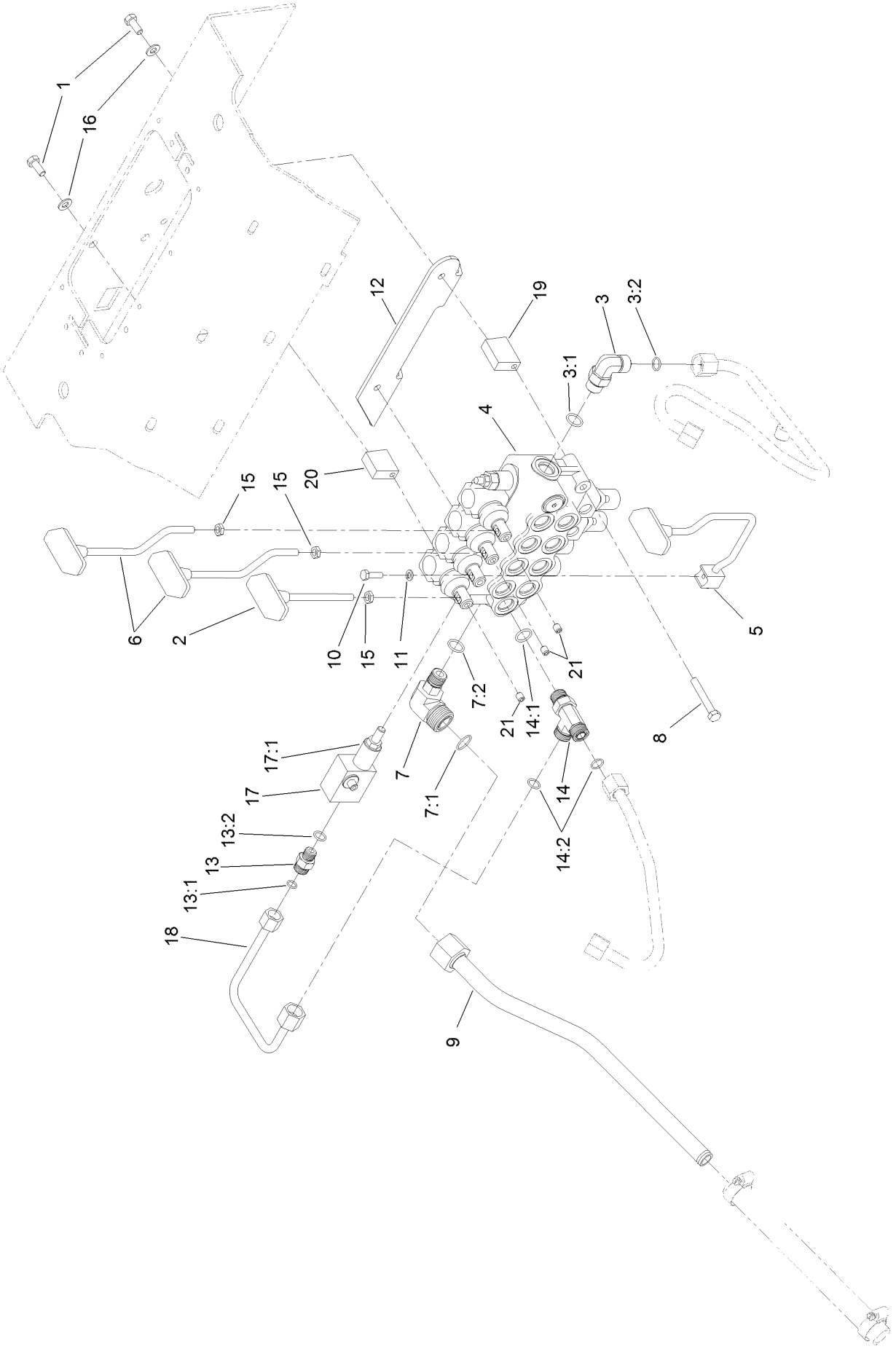
Hydraulic Selector Valve Assembly No. 99-3072



Hydraulic Selector Valve Assembly No. 99-3072 (continued)

Ref.	*Part Number*	*Qty.*	*Description*
3	99-4390	1	Seal Kit
3:1	99-3074	4	Gasket
3:2	99-3075	8	Gasket

Four Spool Valve Assembly

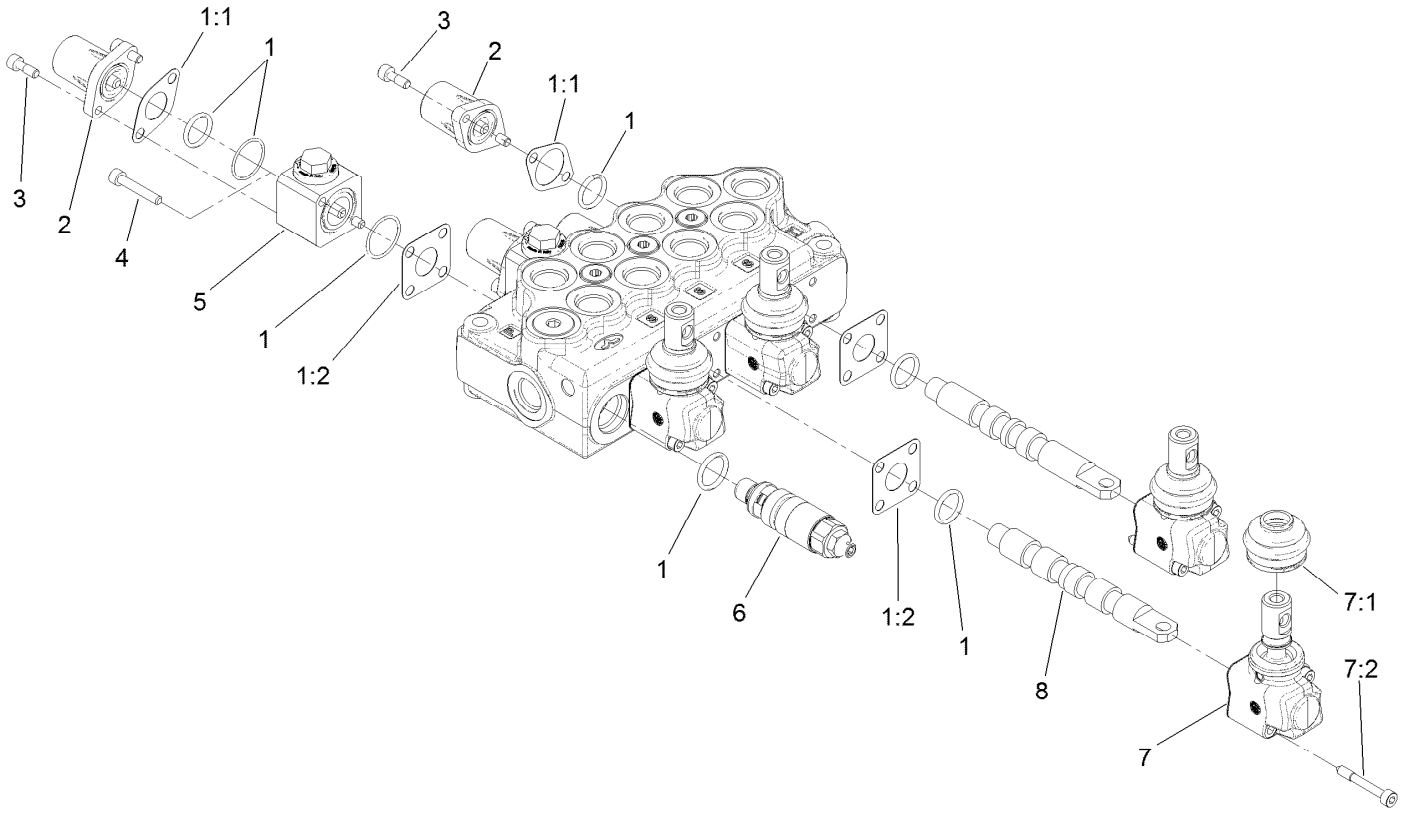


Four Spool Valve Assembly (continued)

Ref.	Part Number	Qty.	Description
1	322-3	3	Screw-HH
2	105-7881	1	Lever-Cylinder
3	340-98	1	Fitting-Elbow, 90 DEG
3:1	237-79	1	O-Ring
3:2	237-30	1	O-Ring
4	130-7589	1	HYD Four Spool Valve ASM
5	106-8165	1	Lever-Control
6	104-5733	2	Lever-Drive
7	92-5696	1	Fitting-Elbow, 90 DEG
7:1	237-58	1	O-Ring
7:2	237-79	1	O-Ring
8	322-11	3	Screw-HH
9	106-8177	1	Tube-Tank, HYD
10	321-5	1	Screw-HH
11	3253-3	1	Washer-Lock
12	104-4222-03	1	Bracket-Cover, Mount
13	340-2	1	Fitting-Straight
13:1	237-22	1	O-Ring
13:2	237-42	1	O-Ring
14	340-109	1	Fitting-Tee
14:1	237-79	1	O-Ring
14:2	237-30	2	O-Ring
15	42-9580	3	Nut-Hex
16	3256-23	3	Washer-Plain
17	105-7882	1	Relief Valve ASM
17:1	105-8358	1	Cartridge-Valve, Relief
17:2	105-8357	1	Seal Kit [I]
18	105-7866	1	Line-HYD
19	105-8354	2	Spacer-Lower V
20	105-7870	1	Spacer-Upper V
21	105-4068	3	Screw-Set,Cphs

[I] Not illustrated

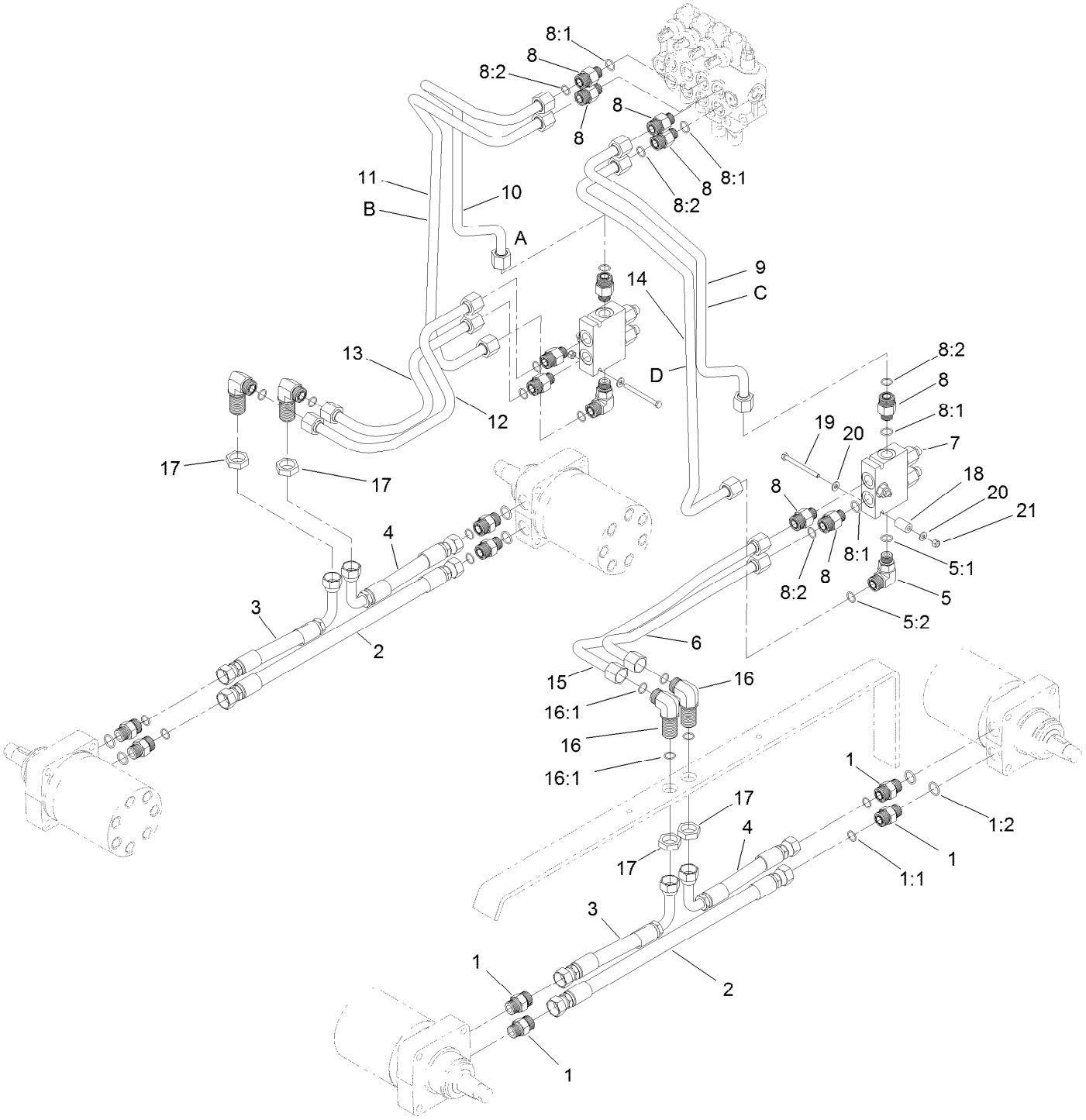
Four Spool Valve Assembly No. 130-7589



Four Spool Valve Assembly No. 130-7589 (continued)

Ref.	Part Number	Qty.	Description
1	99-4390	1	Seal Kit
1:1	99-3074	4	Gasket
1:2	99-3075	8	Gasket
2	100-8801	4	High Force Spring Kit
2	100-8800	4	Standard Spring Kit
3	100-8802	8	Screw-Cap, End
4	100-8803	4	Screw
5	144-7359	2	Block-Switch Mount
6	100-8805	1	Valve-Relief
7	100-8807	4	Operator ASM
7:1	100-8829	1	Boot
7:2	100-8806	2	Screw
8	130-2839	4	Valve-Spool

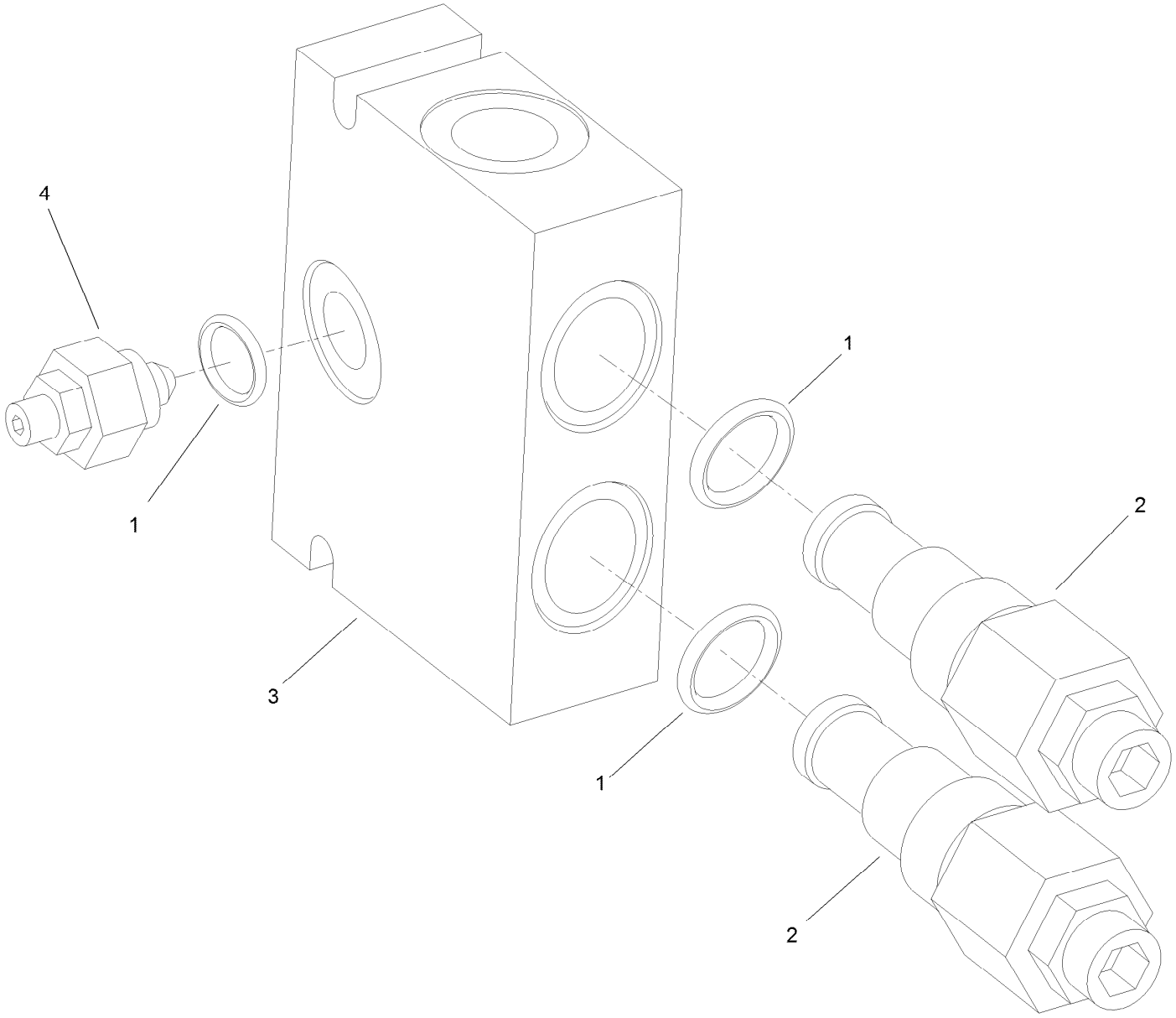
Hydraulic Motor Assembly



Hydraulic Motor Assembly (continued)

Ref.	Part Number	Qty.	Description
1	340-7	8	Fitting-Straight
1:1	237-65	1	O-Ring
1:2	237-80	1	O-Ring
2	99-3012	2	Hose-HYD
3	99-3010	2	Hose-HYD
4	99-3011	2	Hose-HYD
5	340-153	2	Fitting-Elbow, 90 DEG
5:1	237-79	1	O-Ring
5:2	237-151	1	O-Ring
6	99-3022	1	Tube-HYD
7	99-3040	2	HYD Counterbalance Valve ASM
8	340-155	10	Fitting-Straight
8:1	237-79	1	O-Ring
8:2	237-151	1	O-Ring
9	108-9729	1	Tube-HYD
10	108-9727	1	Tube-HYD
11	108-9726	1	Tube-HYD
12	99-3025	1	Tube-HYD
13	99-3028	1	Tube-HYD
14	108-9725	1	Tube-HYD
15	99-3026	1	Tube-HYD
16	340-72	4	Fitting-Bulkhead, 90 DEG
16:1	237-65	2	O-Ring
17	340-74	4	Nut-Lock, Bulkhead
18	99-3057	2	Spacer-Valve
19	321-23	2	Screw-HH
20	3256-22	4	Washer-Flat
21	3296-42	2	Nut-Lock, NI

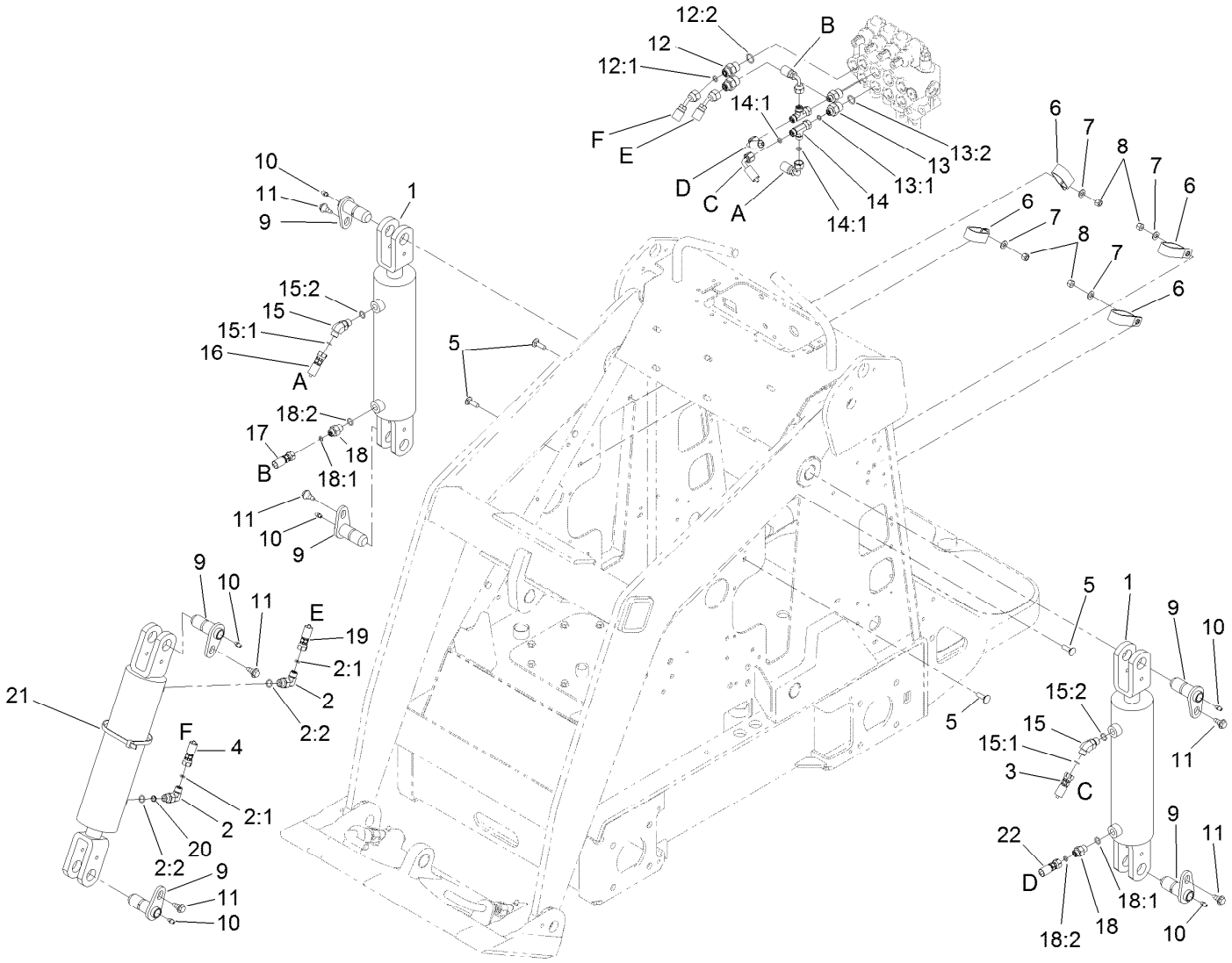
Counterbalance Valve Assembly No. 99-3040



Counterbalance Valve Assembly No. 99-3040 (continued)

Ref.	Part Number	Qty.	Description
1	105-4099	1	Seal Kit
2	99-3271	2	Valve-Cartridge
3	100-8864	1	Manifold ASM
4	100-8865	1	Needle Valve ASM

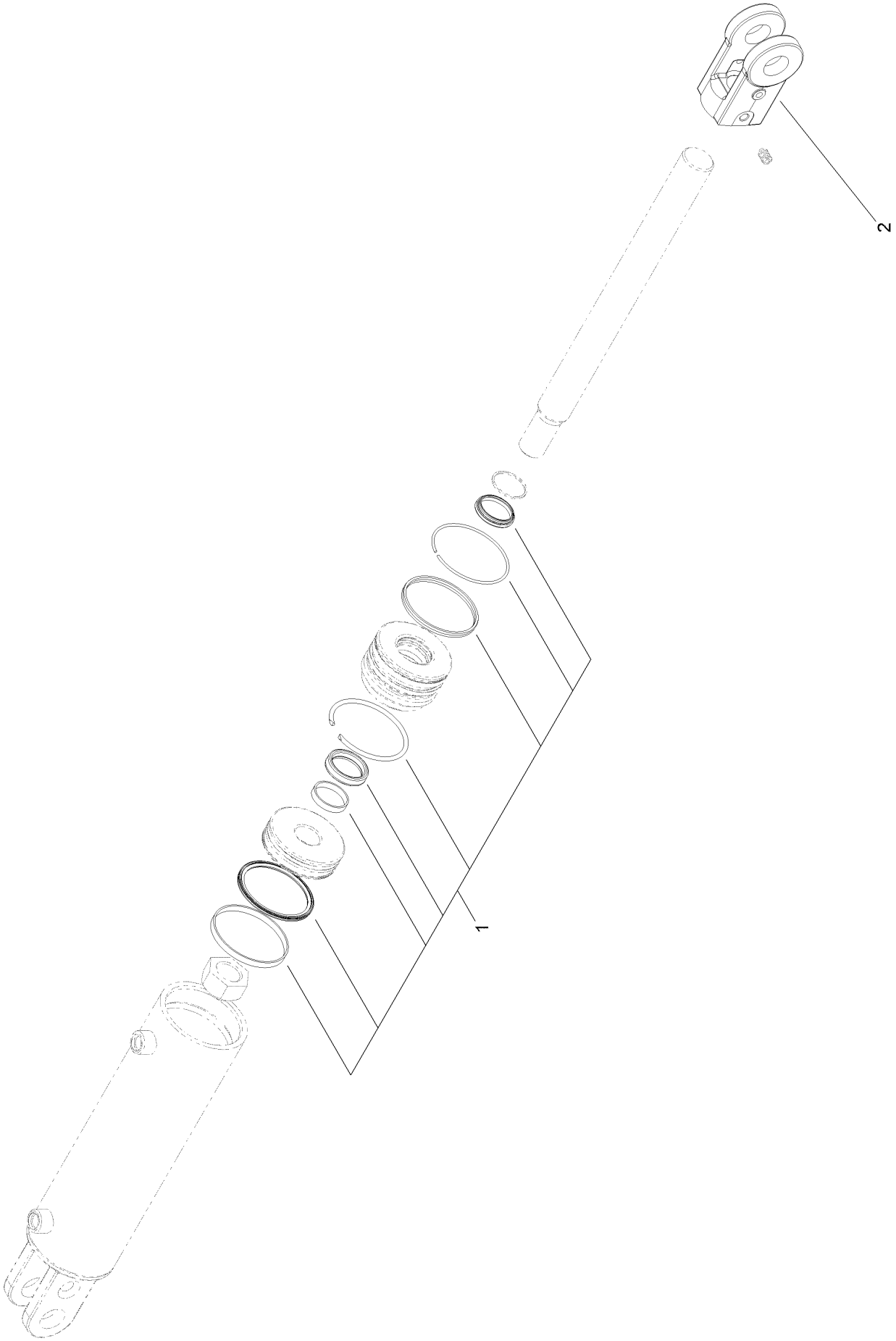
Hydraulic Cylinder and Pivot Pin Assembly



Hydraulic Cylinder and Pivot Pin Assembly (continued)

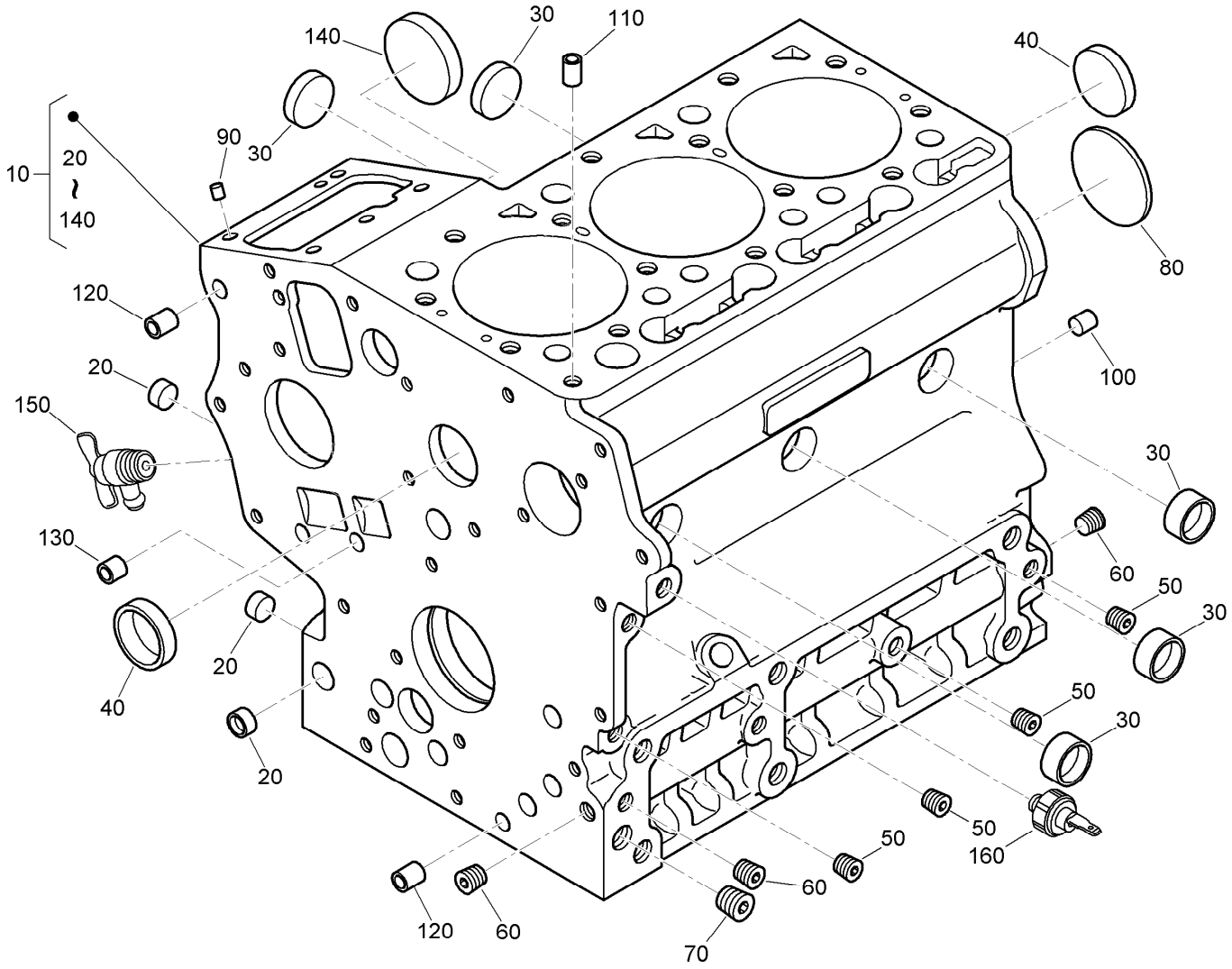
Ref.	Part Number	Qty.	Description
1	139-7706	3	Cylinder-Hydraulic
2	340-82	2	Fitting-Elbow, 90 DEG
2:1	237-42	1	O-Ring
2:2	237-21	1	O-Ring
3	106-3692	1	Hose-HYD
4	98-4726	1	Hose-HYD
5	3230-2	4	Bolt-CARR
6	2412-137	4	Clamp-R, Double
7	3256-23	4	Washer-Plain
8	3296-29	4	Nut-Lock, NI
9	112-2609	6	Pin-Pivot
10	302-5	6	Fitting-Grease
11	99-5105	6	Screw-Shoulder
12	340-3	2	Fitting-Straight
12:1	237-22	1	O-Ring
12:2	237-79	1	O-Ring
13	340-133	2	Fitting-STR
13:1	237-79	1	O-Ring
13:2	237-21	1	O-Ring
14	340-151	2	Fitting-Tee
14:1	237-21	2	O-Ring
15	340-137	2	Fitting
15:1	237-21	1	O-Ring
15:2	237-42	1	O-Ring
16	98-4725	1	Hose-HYD
17	100-1731	1	Hose-HYD, Right
18	340-1	2	Fitting-Straight
18:1	237-21	1	O-Ring
18:2	237-42	1	O-Ring
19	98-4727	1	Hose-HYD
20	108-4714	1	Orifice-Port Insert, One Way
21	3334-945	1	Tie-Cable
22	131-0584	1	Hose-HYD HP

Hydraulic Cylinder Assembly No. 139-7706



Hydraulic Cylinder Assembly No. 139-7706 (continued)

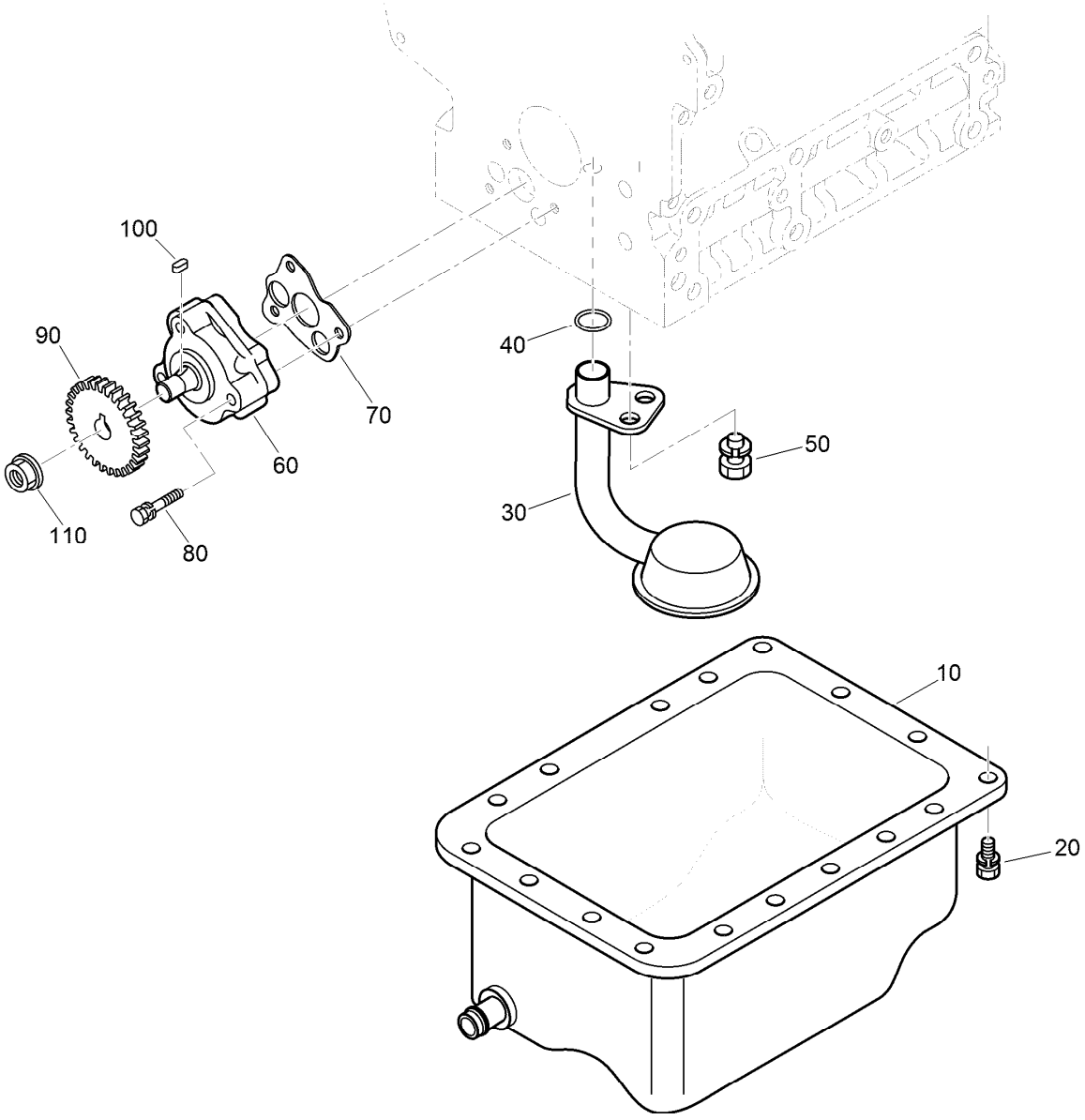
Ref.	*Part Number*	*Qty.*	*Description*
1	139-7713	1	Seal Kit
2	163-8918	1	Rod-Clevis



Crankcase Assembly

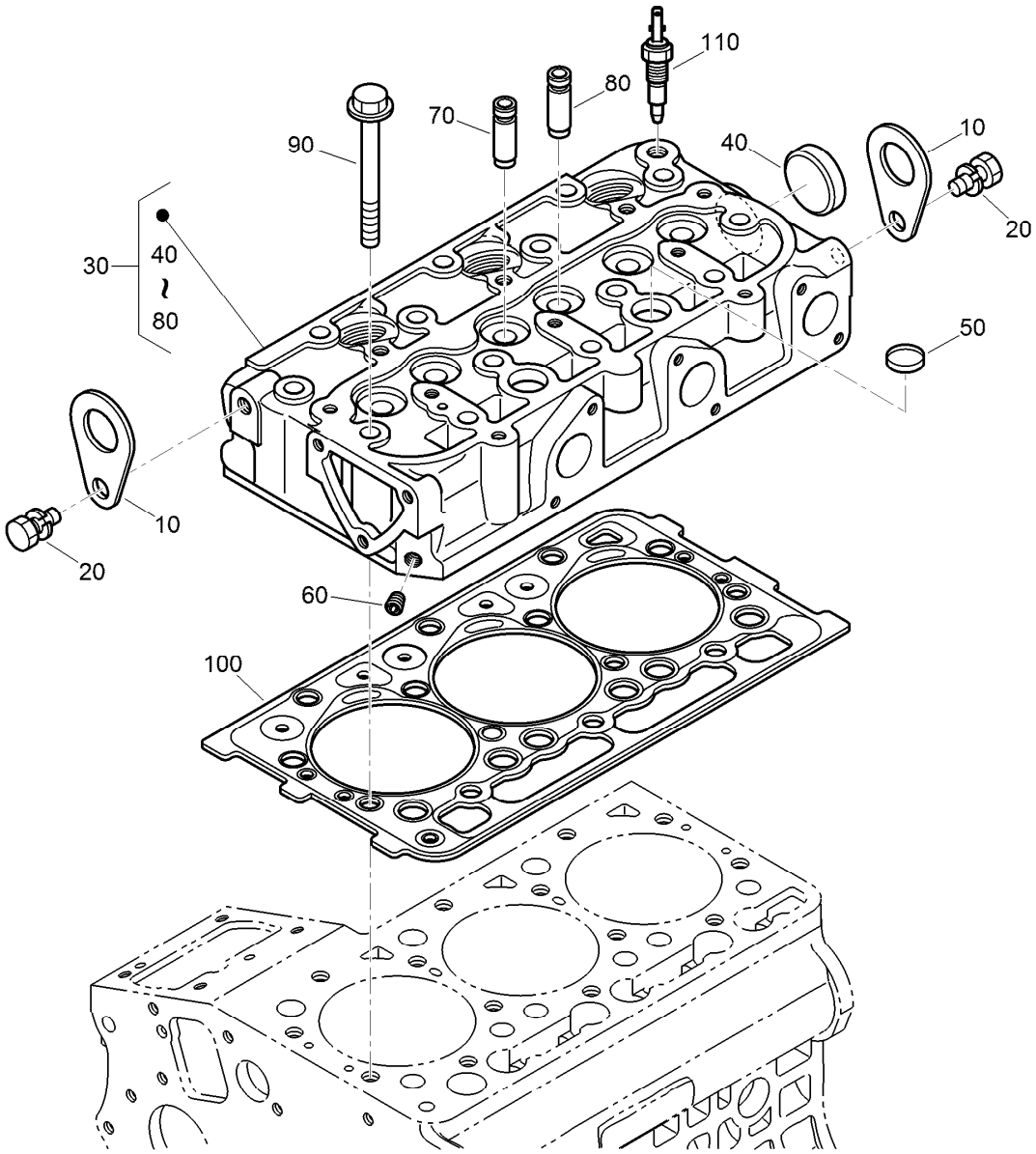
Ref.	Part Number	Qty.	Description
10	130-1503	1	Crankcase ASM
20	100-2019	3	Cap-Sealing
30	100-2020	5	Cap-Sealing
40	98-9398	2	Cap-Sealing
50	98-9687	5	Plug
60	98-7487	3	Plug
70	98-7488	1	Plug
80	100-1851	1	Plug-Expansion

Ref.	Part Number	Qty.	Description
90	98-9375	2	Pin-Straight
100	98-9377	2	Pin-Straight
110	98-7506	1	Pin-Pipe
120	100-2051	2	Pin-Pipe
130	100-2051	2	Pin-Pipe
140	100-1991	1	Cover-Fuel, Camshaft
150	120-3121	1	Draincock ASM
160	98-9416	1	Switch-Oil



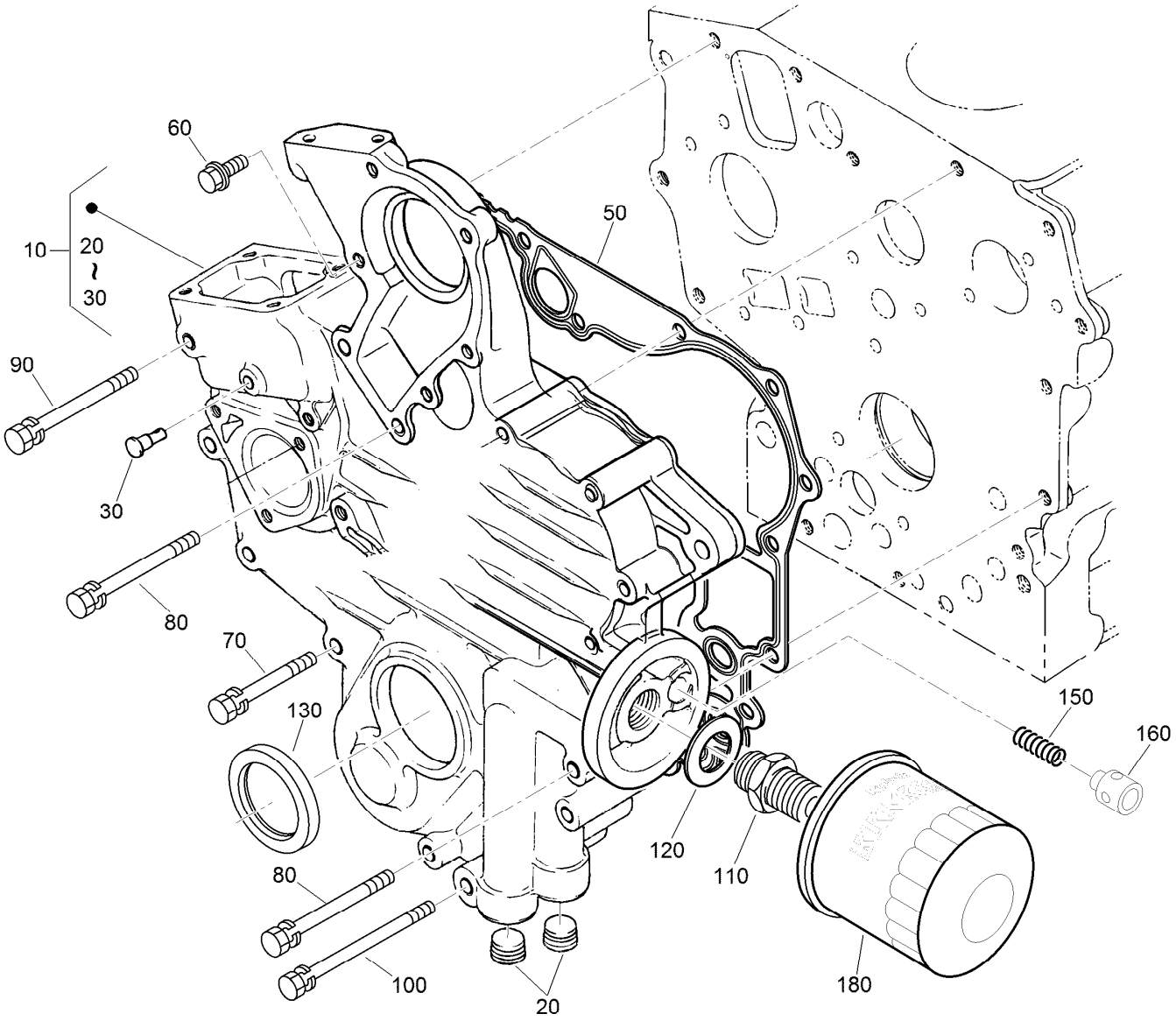
Oil Pan and Oil Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-2239	1	Pan-Oil
20	98-9350	18	Bolt
30	100-2001	1	Strainer-Pickup, Oil
40	105-3776	1	O-Ring
50	100-9195	1	Bolt
60	100-2002	1	Oil Pump ASM
70	100-2003	1	Gasket-Pump, Oil
80	100-1923	3	Bolt
90	130-1419	1	Gear-Drive, Oil Pump
100	98-7658	1	Key-Feather
110	120-5822	1	Nut-Flange



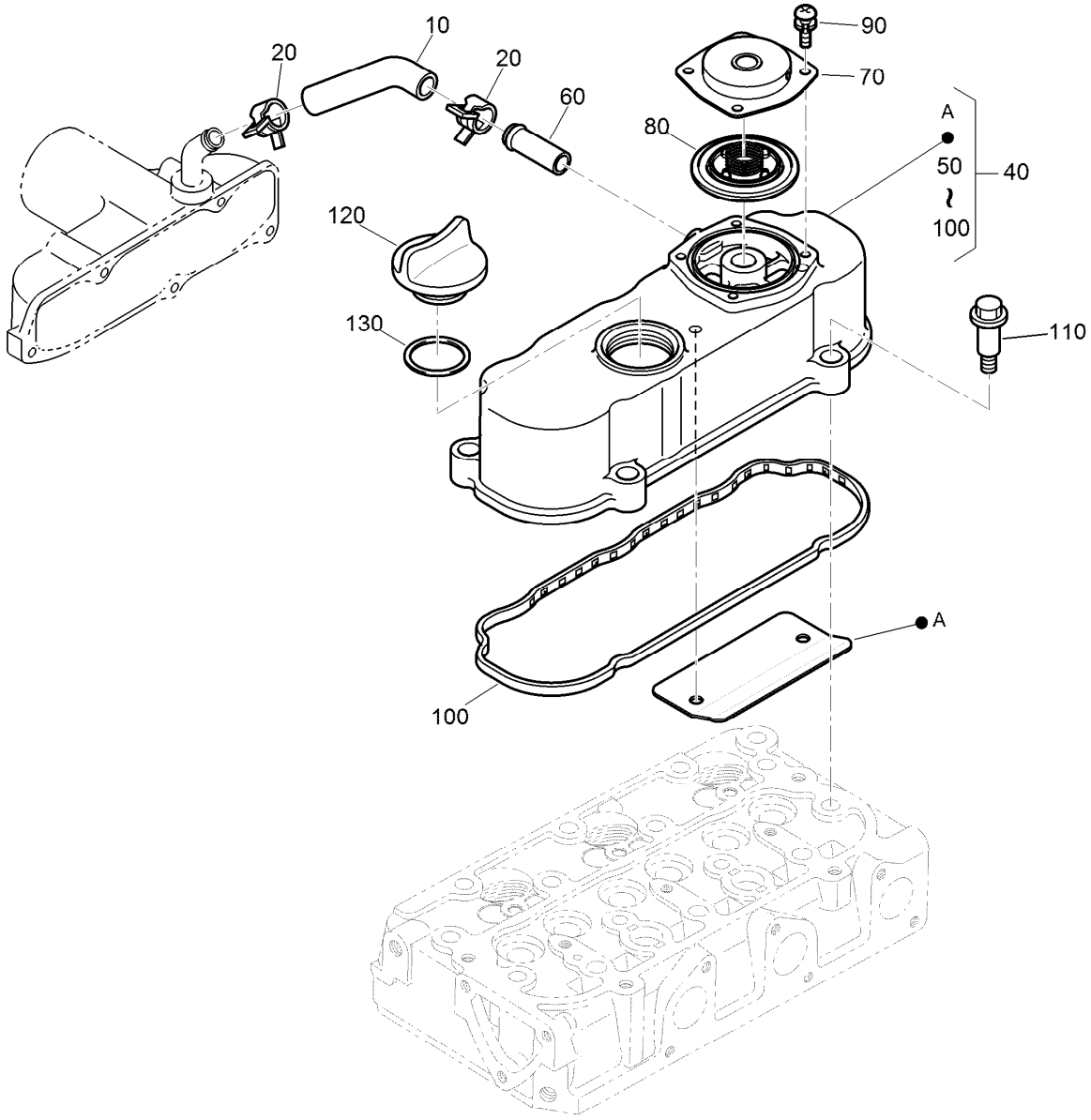
Cylinder Head Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	98-7531	2	Hook-Engine
20	100-9195	2	Bolt
30	130-1524	1	Cylinder Head ASM
40	105-3705	1	Cap-Sealing
50	98-9389	2	Cap-Sealing
60	98-9687	1	Plug
70	100-1882	3	Guide-Valve, Inlet
80	100-1883	3	Guide-Valve, Exhaust
90	100-1820	14	Bolt-Head, Cylinder
100	130-1525	1	Gasket-Head, Cylinder
110	99-3582	1	Thermoswitch



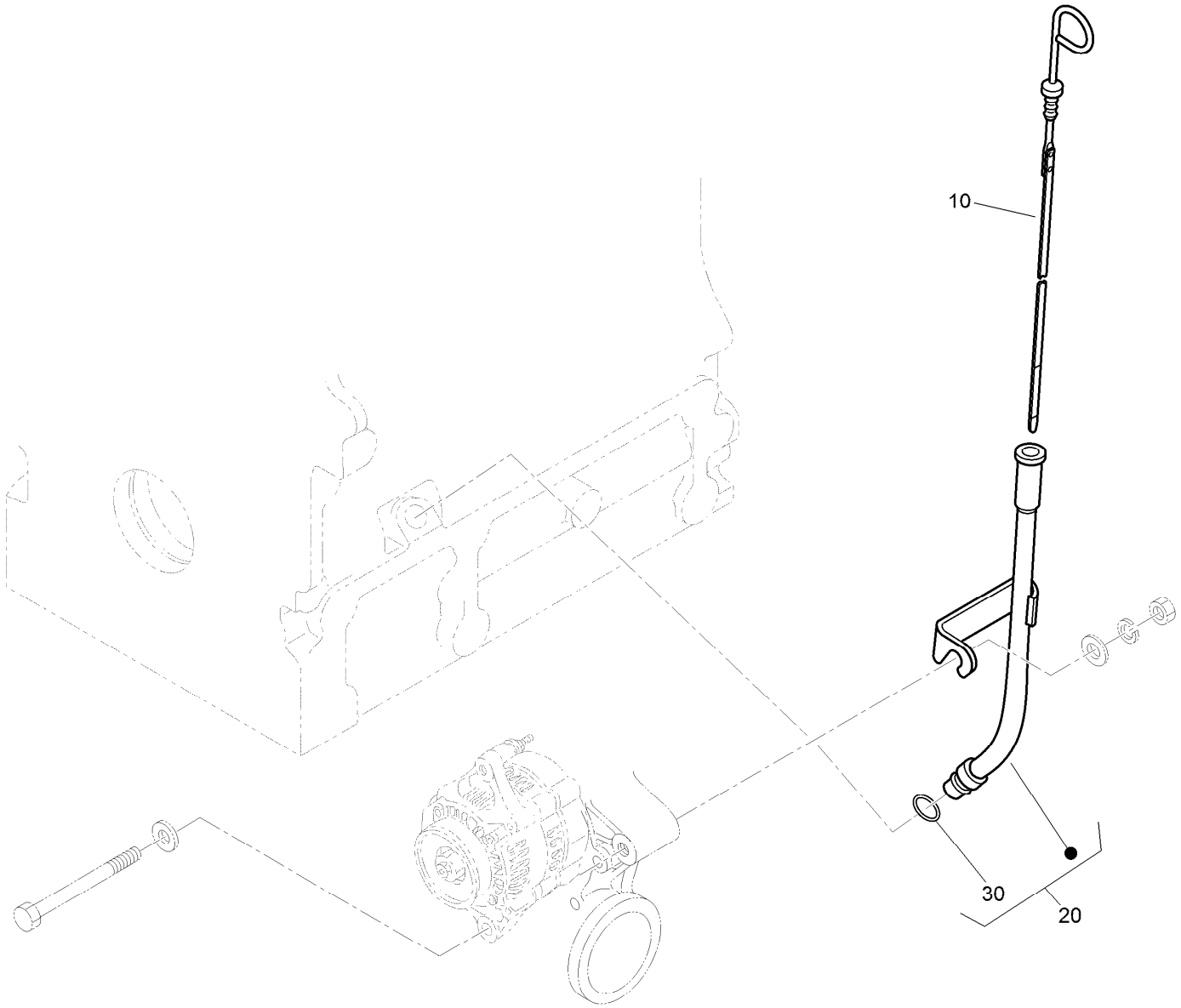
Gear Case and Oil Filter Cartridge Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1293	1	Gear Case ASM
20	98-7488	2	Plug
30	100-1910	1	Pin-Spring, Start
50	130-1302	1	Gasket-Case, Gear
60	127-0403	1	Bolt-Flange
70	125-9063	8	Bolt-Sems
80	100-1922	5	Bolt
90	100-1766	1	Bolt
100	100-1767	1	Bolt
110	98-9388	1	Joint-Pipe
120	100-1926	1	Washer-Plain
130	132-4884	1	Seal, Oil
150	132-4885	1	Spring
160	130-1510	1	Valve-Relief
180	115-8189	1	Filter-Oil, Engine



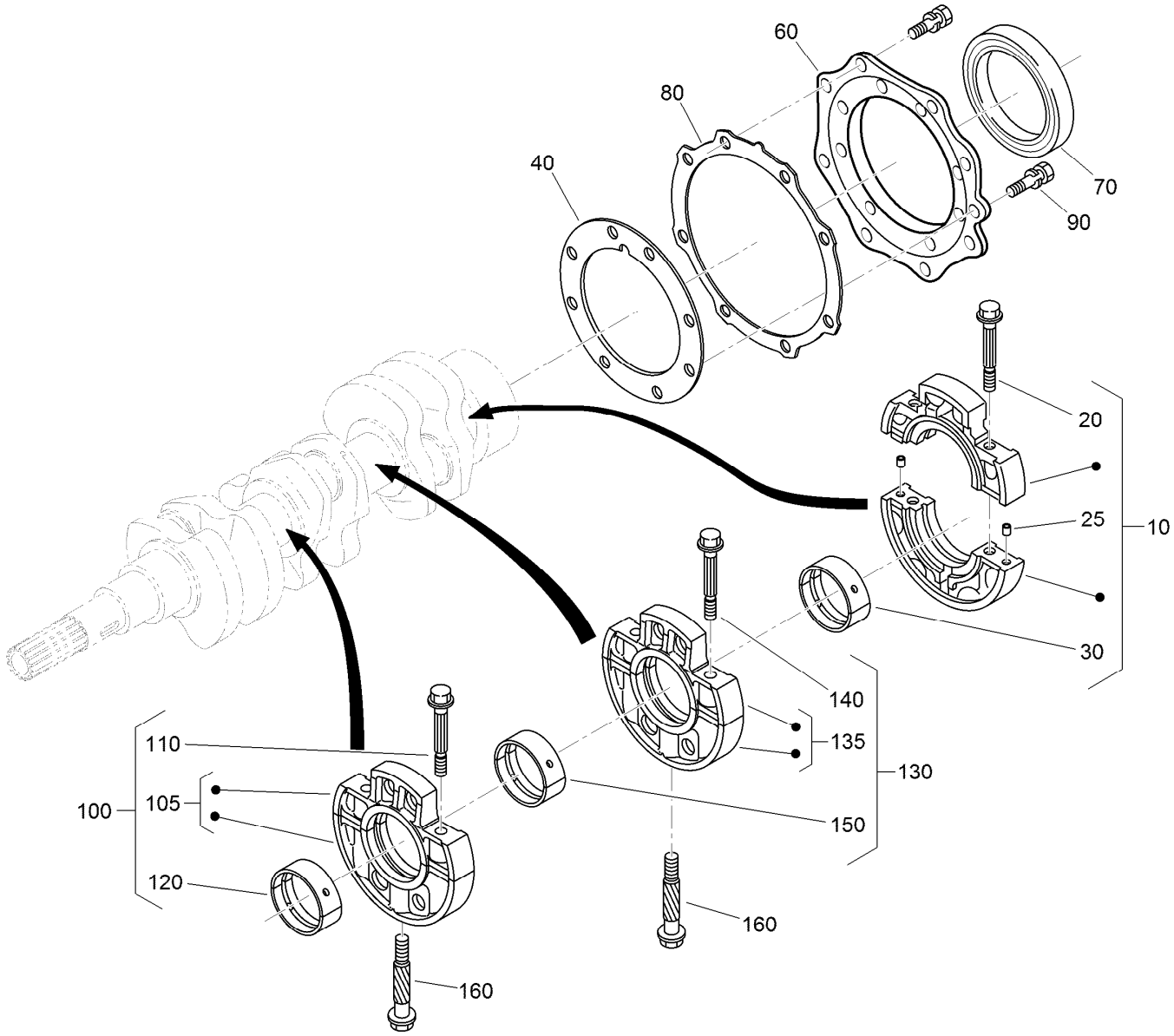
Cylinder Head Cover Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1488	1	Tube-Breather
20	110-3712	2	Clamp-Hose
40	130-1489	1	Cover-Cylinder Head
50	130-1490	1	Cylinder Head ASM
60	98-9580	1	Pipe-Return, Water
70	110-3714	1	Cover-Breather
80	110-3715	1	Valve-Breather
90	98-9364	4	Screw (With Washer)
100	112-2807	1	Gasket-Cover, Head
110	108-7063	4	Bolt
120	107-9075	1	Plug-Filler, Oil
130	99-3446	1	O-Ring



Dipstick and Guide Assembly

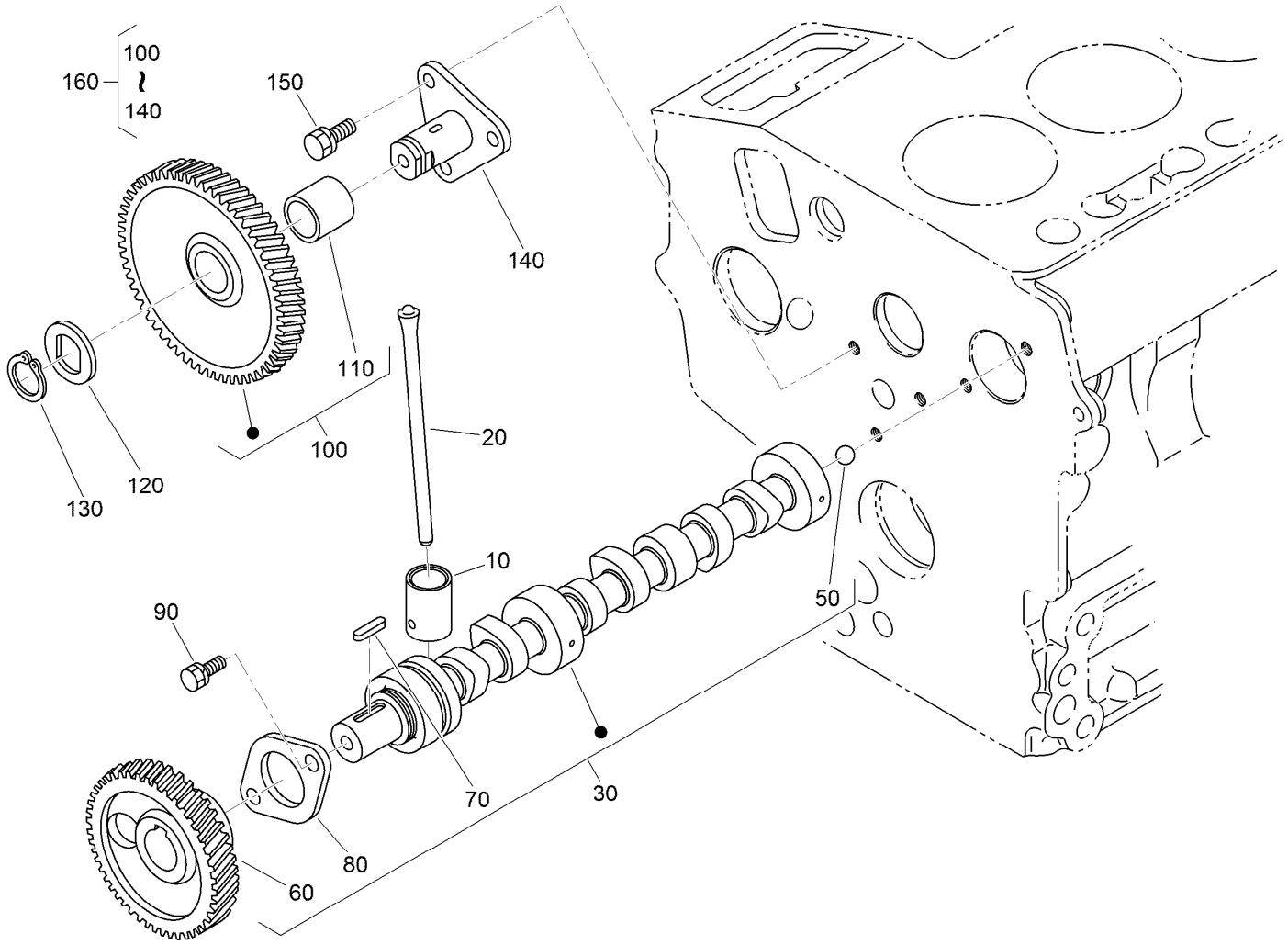
Ref.	*Part Number*	*Qty.*	*Description*
10	112-2811	1	Gauge-Oil
20	130-1386	1	Oil Gauge Guide ASM
30	98-9722	1	O-Ring



Main Bearing Case Assembly

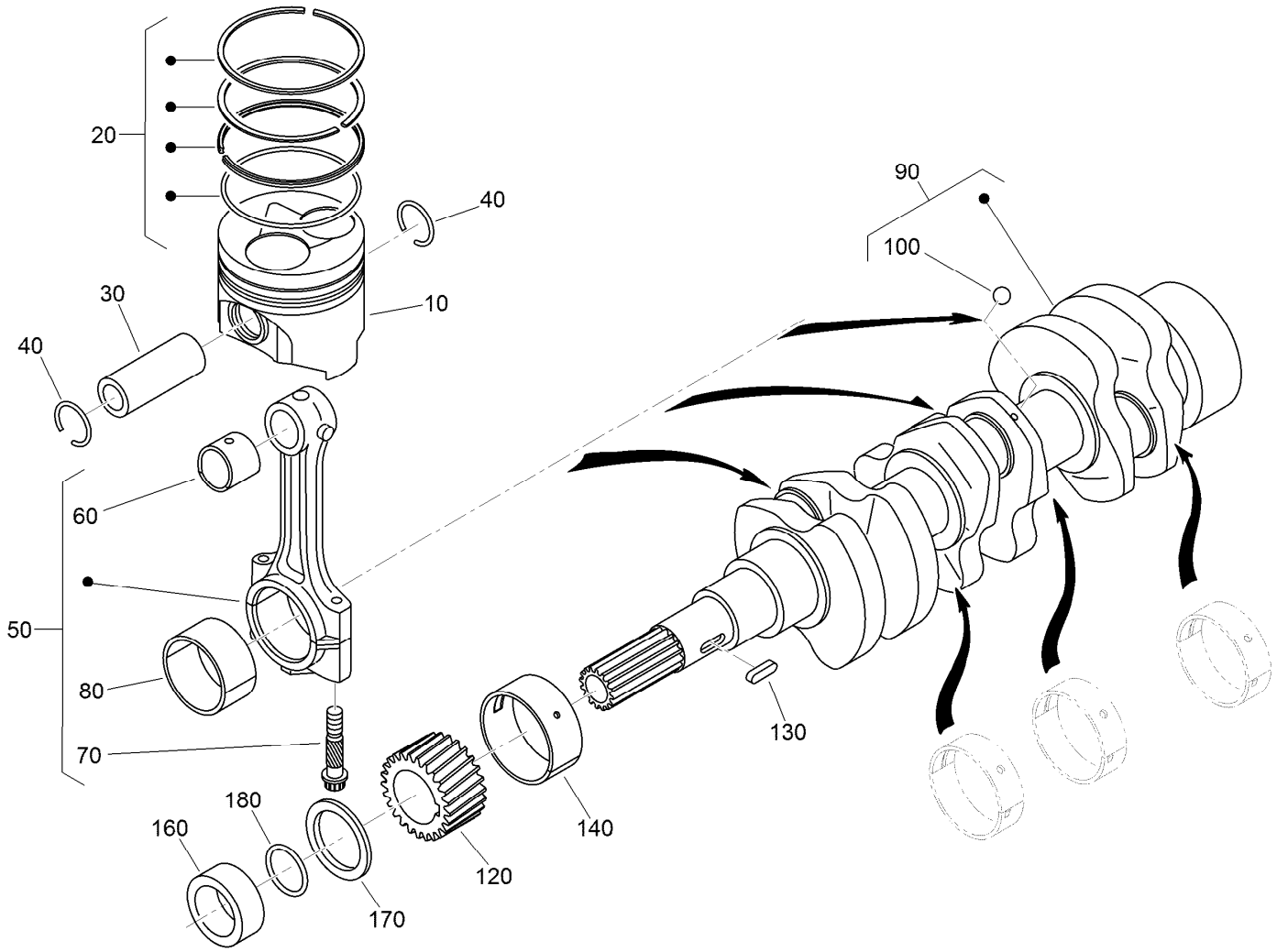
Ref.	Part Number	Qty.	Description
10	125-9064	1	Wheel Bearing Case ASM
20	125-9065	2	Bolt-Flange
25	125-9082	2	Pin-Straight
30	130-1209	1	Metal-Crankshaft
30	100-1870	1	Crankshaft-Metal (-0.2MM Set)
30	130-1210	1	Metal-Crankshaft
40	100-1873	1	Gasket-Case, Bearing
60	112-8334	1	Cover-Case, Bearing
70	110-3724	1	Seal-Oil
80	100-1876	1	Gasket-Cover, Case
90	100-1750	16	Bolt
100	130-1177	1	Bearing Case ASM

Ref.	Part Number	Qty.	Description
105	100-1987	1	Main Bearing Case ASM
110	100-1757	2	Bolt-Case, Bearing
120	130-1215	1	Metal-Crankshaft
120	130-1216	1	Metal-Crankshaft
120	130-1217	1	Metal-Crankshaft
130	130-1299	1	Bearing Case ASM
135	100-2027	1	Main Bearing Case ASM
140	100-1757	2	Bolt-Case, Bearing
150	130-1215	1	Metal-Crankshaft
150	130-1216	1	Metal-Crankshaft
150	130-1217	1	Metal-Crankshaft
160	100-1874	2	Bolt-Case, Bearing



Camshaft and Idle Gear Shaft Assembly

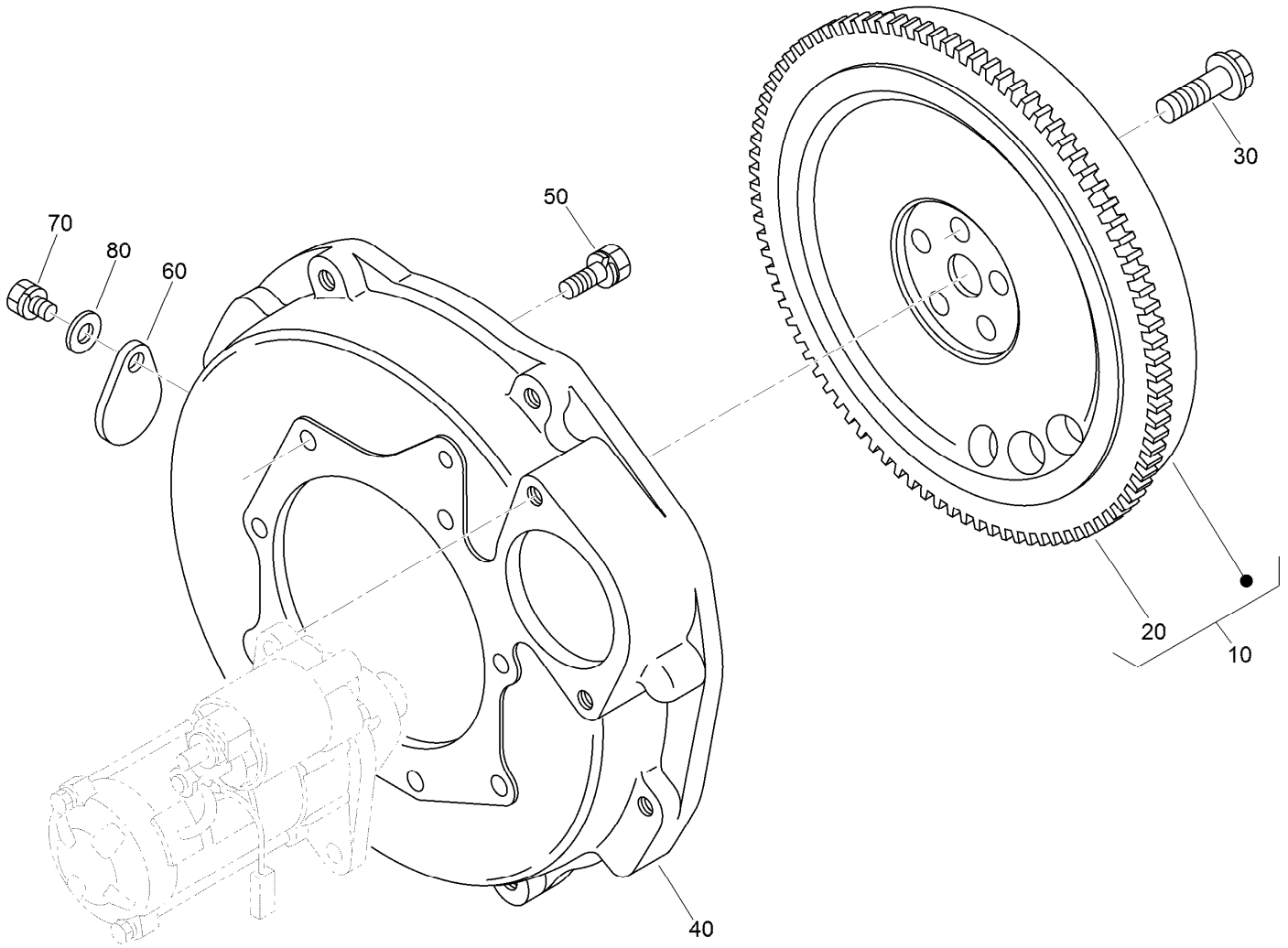
Ref.	*Part Number*	*Qty.*	*Description*
10	110-3727	6	Tappet
20	100-1989	6	Rod-Push
30	130-1526	1	Camshaft ASM
50	110-3729	1	Ball
60	130-1534	1	Gear-Cam
70	98-9378	1	Key-Feather
80	100-1887	1	Stopper-Camshaft
90	98-9350	2	Bolt
100	121-2421	1	Idle Gear ASM
110	121-2422	1	Bushing
120	100-1970	1	Collar-Gear, Idle
130	100-1969	1	Ring-Snap
140	100-1967	1	Shaft-Gear, Idle
150	100-1774	3	Bolt-Flange
160	100-2240	1	Idle Gear ASM



Piston and Crankshaft Assembly

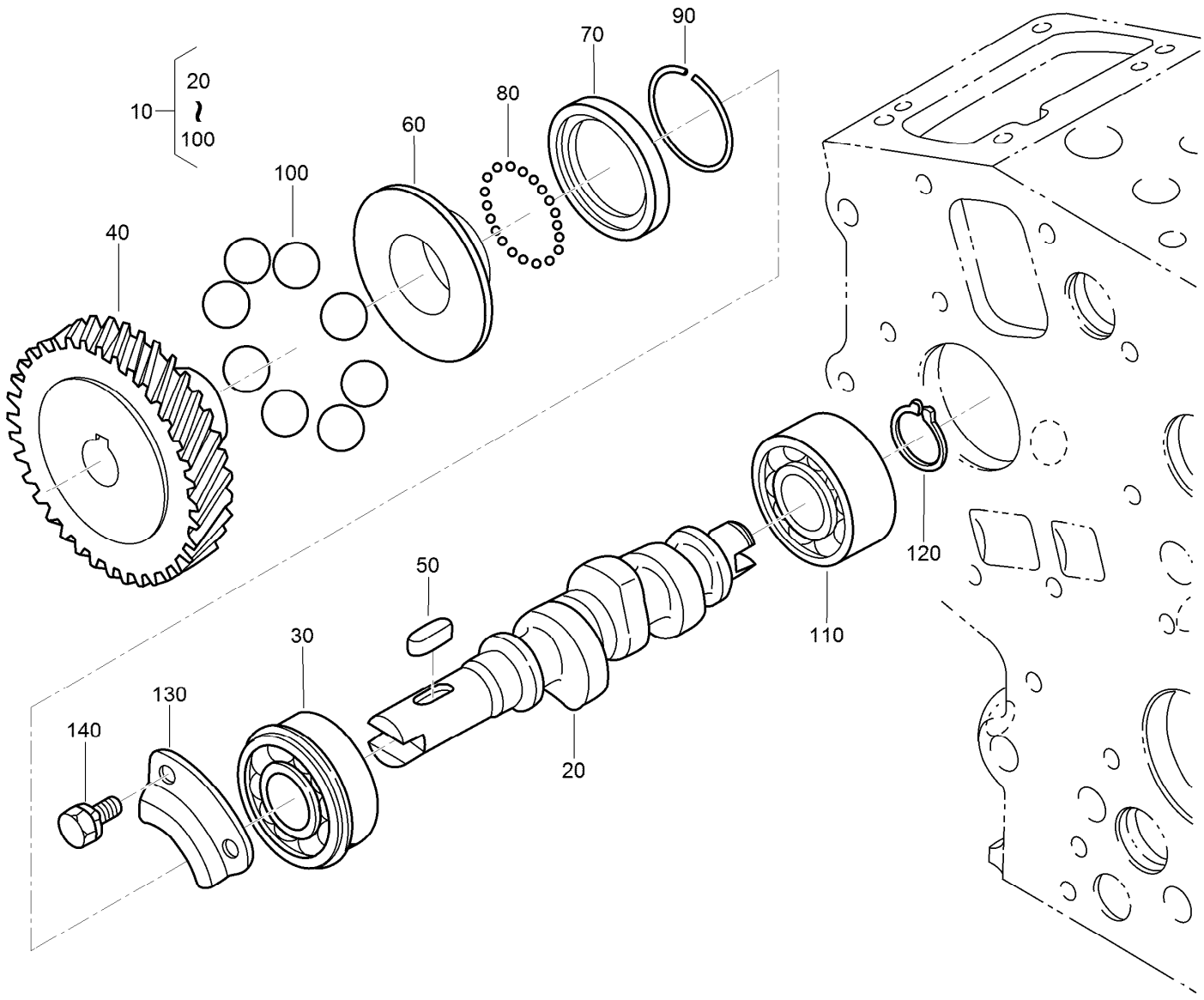
Ref.	Part Number	Qty.	Description
10	130-1530	3	Piston
10	130-1531	3	Piston
20	130-1528	3	Piston Ring ASM
20	130-1529	3	Piston Ring ASM
30	110-3734	3	Pin-Piston
40	100-1835	6	Circlip-Internal
50	125-9070	3	Connecting Rod ASM
60	110-3736	3	Bushing-Pin, Piston
70	100-1999	6	Bolt-Rod, Connecting
80	100-2000	3	Metal-Crankpin (STD)
80	121-3849	3	Metal-Crankpin (-.20MM)

Ref.	Part Number	Qty.	Description
80	121-2420	3	Metal-Crankpin (-.40MM)
90	100-2160	1	Crankshaft
100	100-1791	3	Ball
120	100-1891	1	Gear-Crankshaft
130	100-1752	1	Key-Feather
140	130-1214	1	Metal-Crankshaft
140	130-1218	1	Metal-Crankshaft
140	130-1219	1	Metal-Crankshaft
160	100-1890	1	Collar-Crankshaft
170	100-1974	1	Slinger-Oil
180	100-2209	1	O-Ring



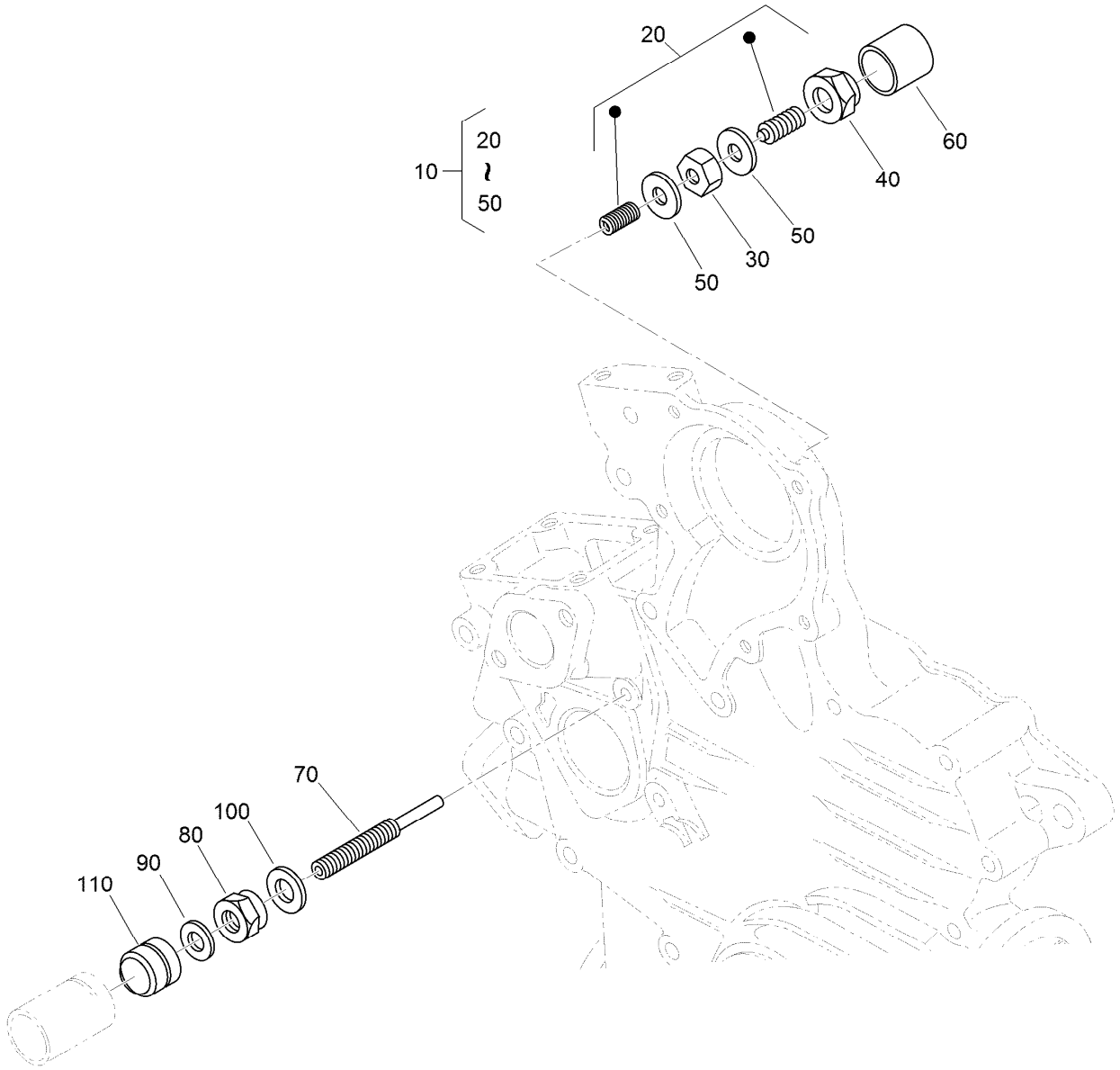
Flywheel Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1300	1	Flywheel ASM
20	127-1604	1	Gear-Ring
30	100-1930	5	Bolt-Flywheel
40	117-1703	1	Housing-Flywheel
50	98-9359	8	Bolt
60	100-2177	1	Cover
70	100-9195	1	Bolt
80	120-5832	1	Washer-Plain



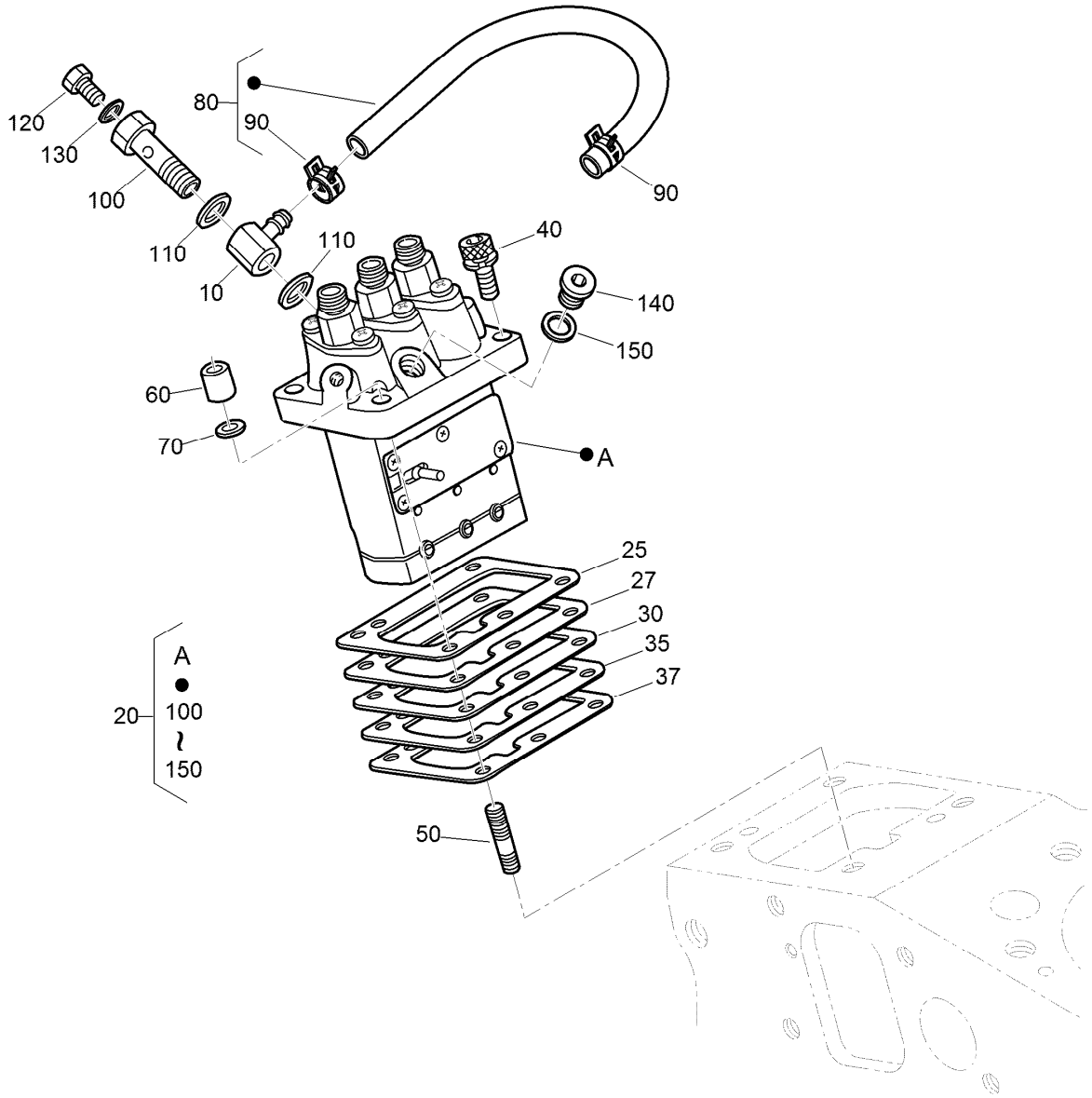
Fuel Camshaft Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1527	1	Fuel Camshaft ASM
20	110-3756	1	Camshaft-Fuel
30	100-1795	1	Bearing-Ball
40	130-1521	1	Pump-Gear, Injection
50	100-1752	1	Key-Feather
60	112-8336	1	Sleeve-Governor
70	100-1904	1	Case-Ball, Governor
80	100-1790	32	Ball
90	100-1843	1	Circ-Clip
100	100-1793	8	Ball
110	110-3757	1	Bearing-Ball
120	100-1784	1	Circ-Clip, External
130	100-1888	1	Stopper-Fuel, Camshaft
140	98-9350	2	Bolt



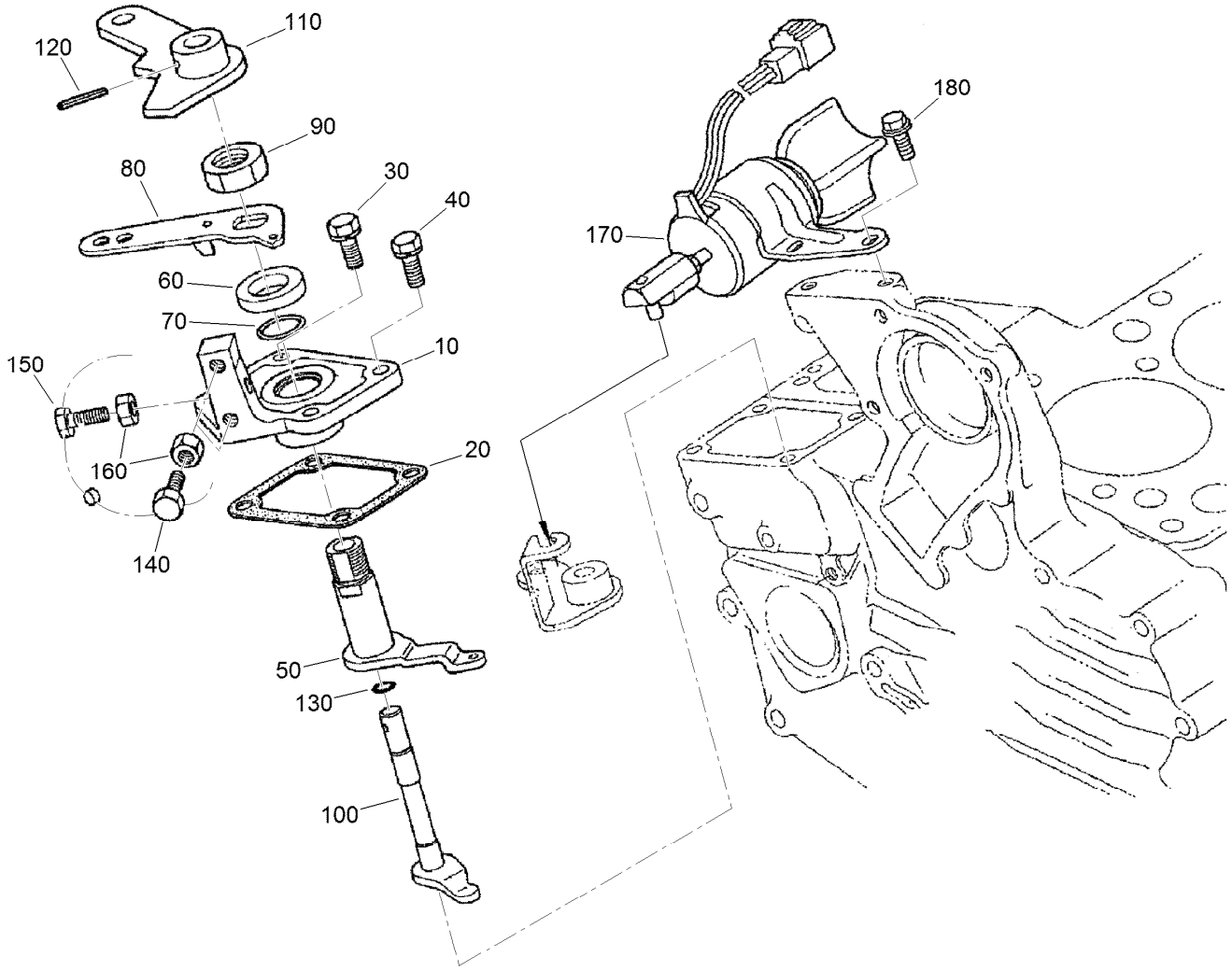
Idle Apparatus Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-1898	1	Idle Apparatus ASM
20	100-1899	1	Adjusting Bolt ASM
30	100-1846	1	Nut
40	100-1901	1	Nut-Cap
50	98-7428	2	Gasket
60	100-1902	1	Cap
70	110-3758	1	Bolt-Adjusting
80	100-2175	1	Nut-Lock
90	98-7654	1	Gasket
100	107-9081	1	Gasket
110	99-8387	1	Nut-Cap



Injection Pump Assembly

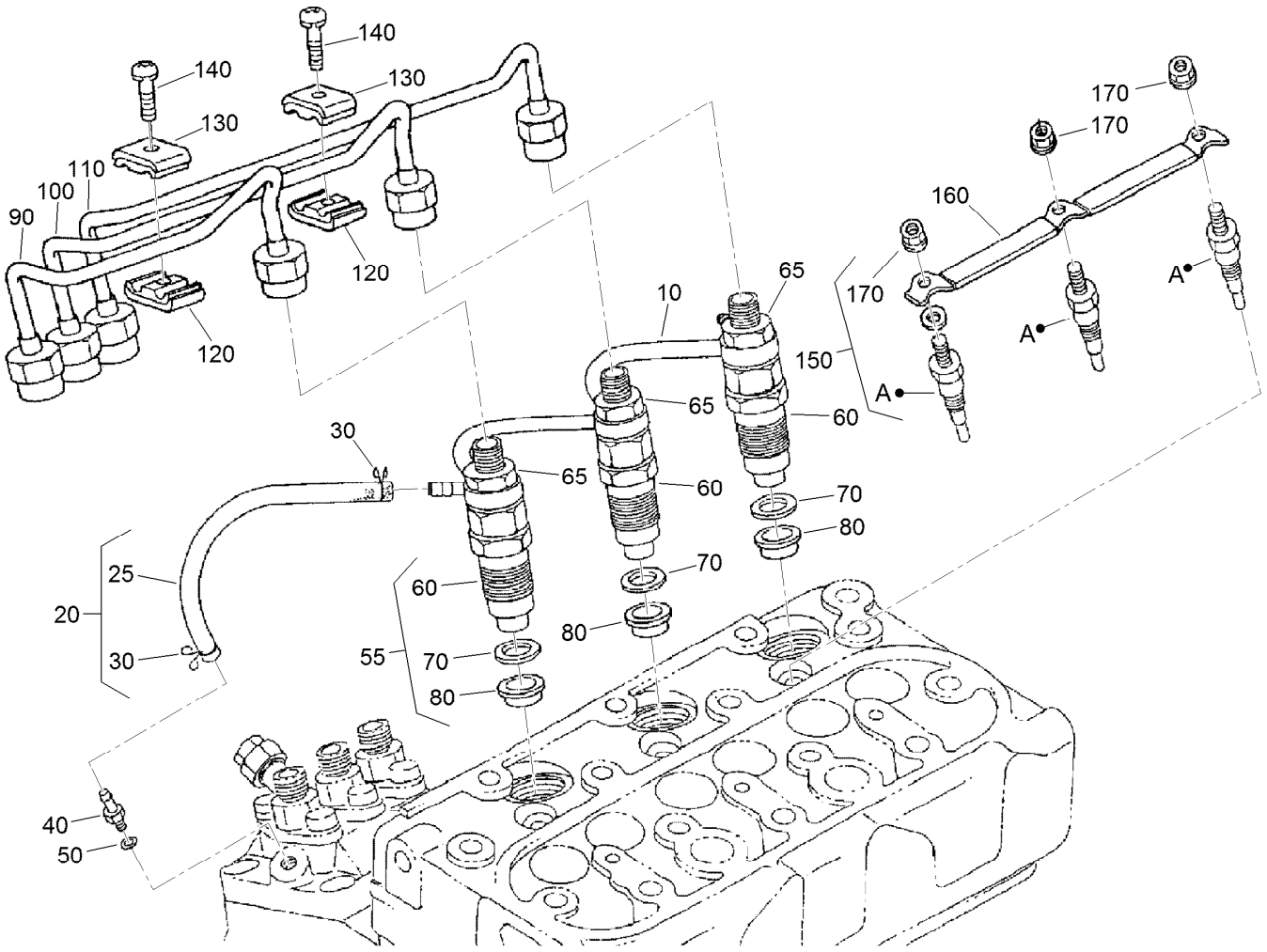
Ref.	Part Number	Qty.	Description
10	100-1928	1	Joint-Eye
20	130-1223	1	Injection Pump ASM
25	115-3045	1	Shim-Injection (0.175MM)
27	98-9456	1	Shim-Injection (0.20MM)
30	98-9457	1	Shim-Injection (0.25MM)
35	98-9458	1	Shim-Injection (0.30MM)
37	115-3046	1	Shim-Injection (0.35MM)
40	117-7564	2	Bolt-Hex Soc HD
50	98-9438	2	Stud
60	98-9440	2	Nut-Cap
70	98-7699	2	Washer-Spring
80	100-1842	1	Fuel Pipe ASM
90	100-2217	2	Clip-Pipe
100	100-1896	1	Screw-Hollow
110	98-9445	2	Gasket
120	98-9430	1	Screw
130	98-9446	1	Gasket
140	98-9466	1	Plug
150	98-9451	1	Gasket



Stop Solenoid and Speed Control Plate Assembly

Ref.	Part Number	Qty.	Description
10	110-3770	1	Plate-Control, Speed
20	100-1962	1	Gasket-Plate, Control
30	127-0403	2	Bolt-Flange
40	112-2507	2	Bolt
50	132-4906	1	Lever-Governor
60	110-3772	1	Collar
70	100-2208	1	O-Ring
80	110-3773	1	Lever-Control, Speed
90	110-3774	1	Nut-Control, Speed

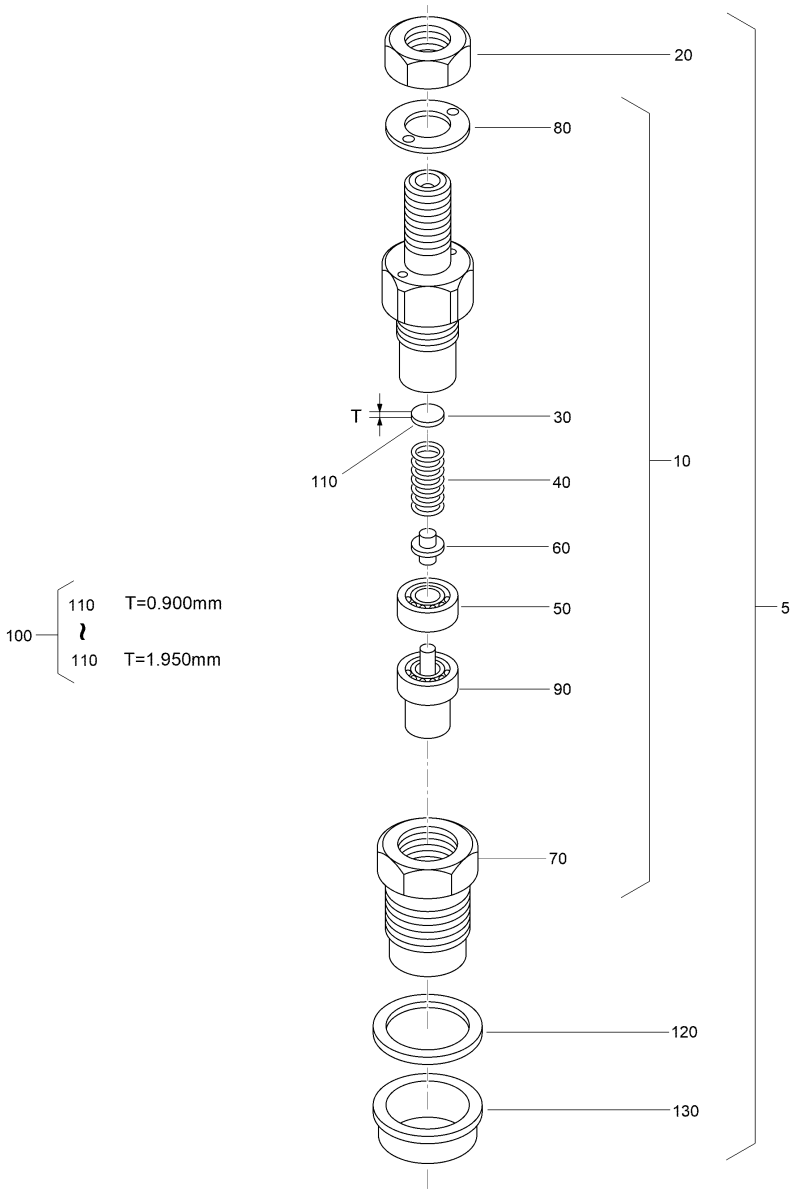
Ref.	Part Number	Qty.	Description
100	112-2826	1	Shaft-Lever
110	110-3776	1	Lever-Stop, Engine
120	110-3777	1	Pin-Spring
130	100-2207	1	O-Ring
140	120-3133	2	Screw-Stopper
150	120-3134	1	Bolt
160	98-7572	3	Nut
170	131-0564	1	Solenoid-Shut Off/On
180	100-1774	2	Bolt-Flange



Nozzle Holder and Glow Plug Assembly

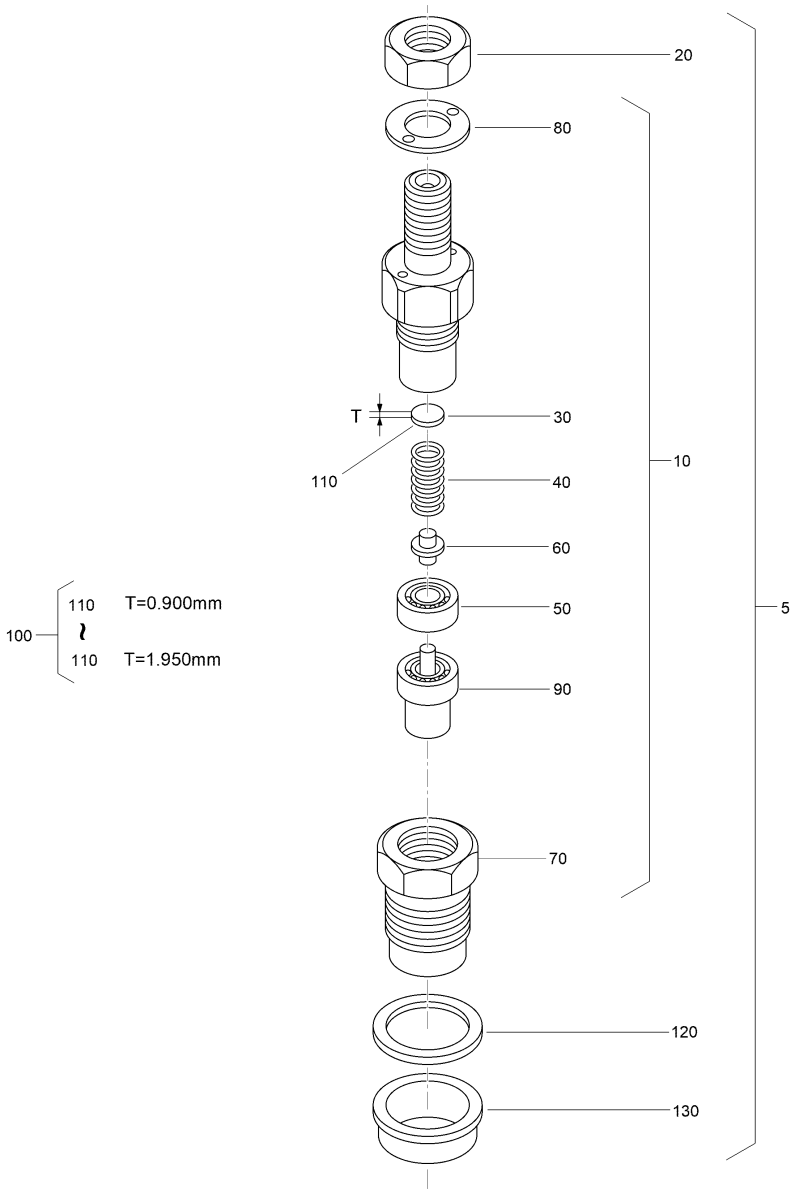
Ref.	Part Number	Qty.	Description
10	100-1960	1	Over Flow Pipe ASM
20	98-9420	1	Overflow Pipe ASM
25	112-0182	1	Pipe-Overflow
30	98-7671	2	Clip-Pipe
40	98-9431	1	Screw-Bleeder, Air
50	98-7654	1	Gasket
55	130-1305	3	Nozzle Holder Kit
60	130-1303	3	Nozzle Holder ASM
65	121-2411	3	Nut
70	98-7676	3	Gasket

Ref.	Part Number	Qty.	Description
80	98-7677	3	Seal-Heat
90	130-1414	1	Pipe-Injection
100	130-1415	1	Pipe-Injection
110	130-1416	1	Pipe-Injection
120	98-7682	2	Clamp-Pipe
130	98-7683	2	Clamp-Pipe
140	98-7684	2	Screw (W/Washer)
150	130-1411	3	Plug-Glow
160	100-2037	1	Cord-Plug, Glow
170	99-8377	3	Nut-Flange



Nozzle Holder Assembly

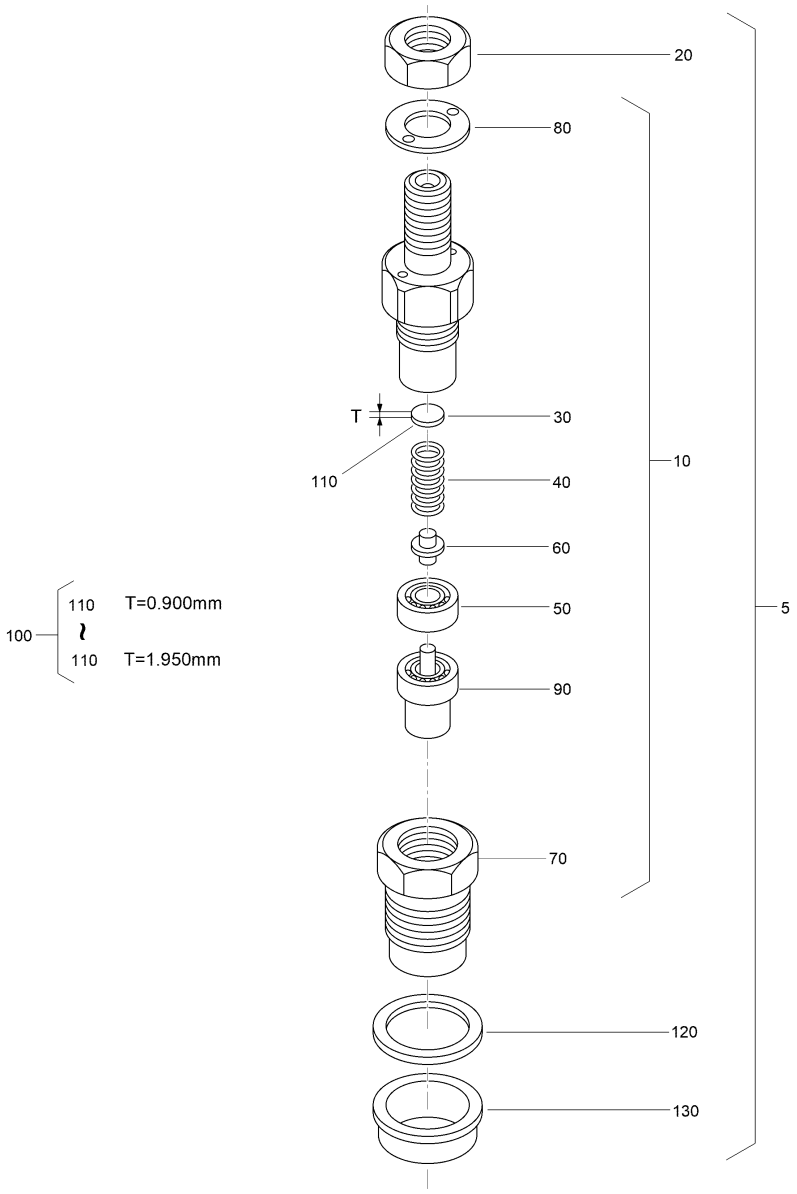
Ref.	Part Number	Qty.	Description
5	130-1305	3	Nozzle Holder Kit
10	130-1303	3	Nozzle Holder ASM
20	121-2411	3	Nut
30	99-8302	3	Washer-Adjusting
40	99-8303	3	Spring-Nozzle
50	99-8304	3	Spacer-Distance
60	99-8305	3	Rod-Push
70	130-1304	3	Nut-Nozzle
80	99-8307	3	Washer-Plain
90	130-1497	3	Nozzle-Piece
100	98-9448	3	Adjusting Washer ASM
110	98-7642	3	Washer-Adjusting (0.900Mm)
110	98-7841	3	Washer-Adjusting (0.925Mm)
110	98-7842	3	Washer-Adjusting (0.950Mm)
110	98-7843	3	Washer-Adjusting (0.975Mm)
110	98-7844	3	Washer-Adjusting (1.000Mm)
110	98-7845	3	Washer-Adjusting (1.025Mm)
110	98-7846	3	Washer-Adjusting (1.050Mm)
110	98-7847	3	Washer-Adjusting (1.075MM)
110	98-7848	3	Washer-Adjusting (1.100MM)
110	98-7849	3	Washer-Adjusting (1.125MM)
110	98-7850	3	Washer-Adjusting (1.150MM)
110	98-7851	3	Washer-Adjusting (1.175MM)
110	98-7852	3	Washer-Adjusting (1.200MM)
110	98-7853	3	Washer-Adjusting (1.225MM)
110	98-7854	3	Washer-Adjusting (1.250MM)



Nozzle Holder Assembly (continued)

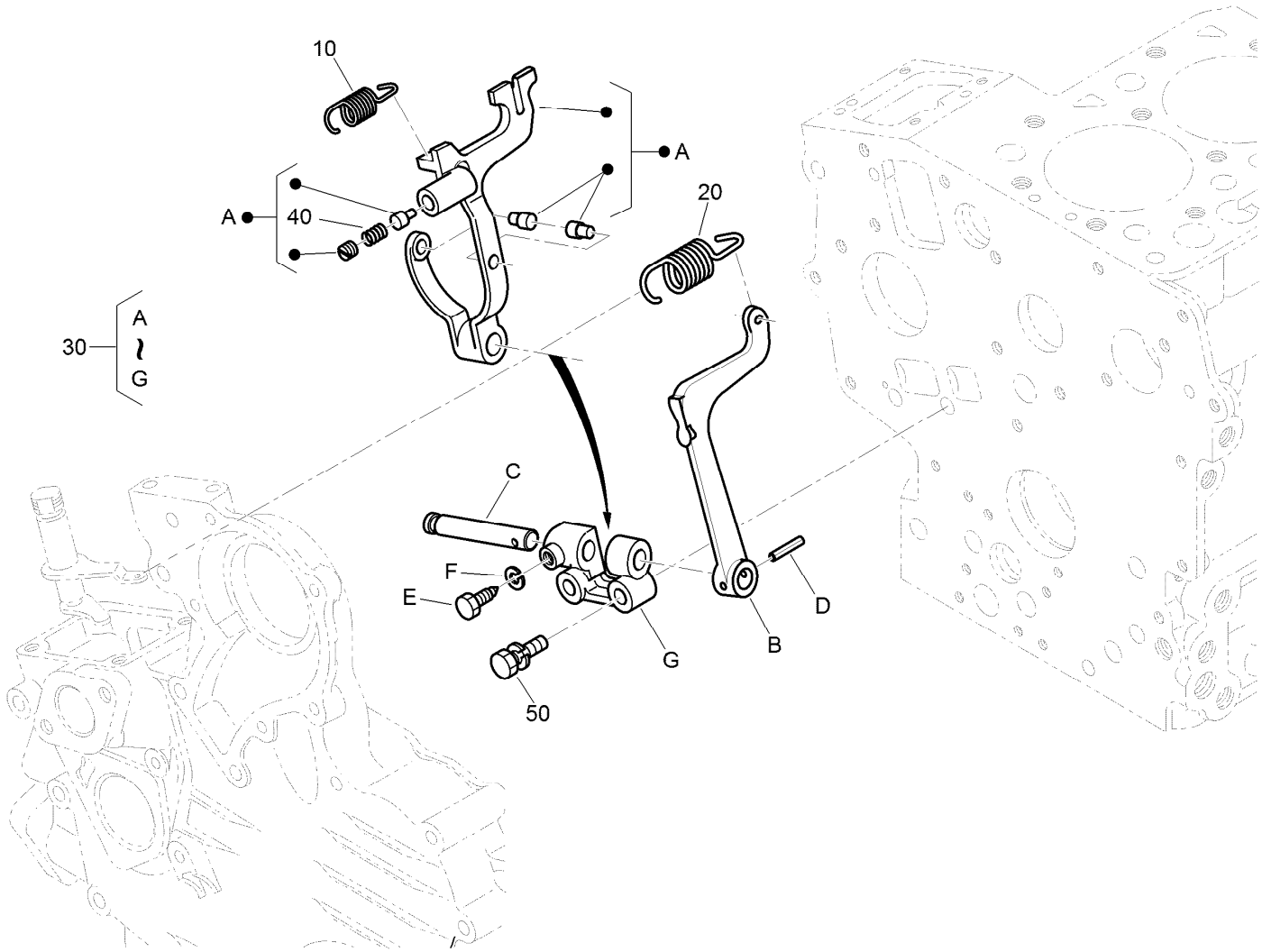
Ref.	Part Number	Qty.	Description
110	98-7855	3	Washer-Adjusting (1.275MM)
110	98-7856	3	Washer-Adjusting 1.300MM)
110	98-7857	3	Washer-Adjusting (1.325MM)
110	98-7858	3	Washer-Adjusting (1.350MM)
110	98-7859	3	Washer-Adjusting (1.375MM)
110	98-7860	3	Washer-Adjusting (1.400MM)
110	98-7861	3	Washer-Adjusting (1.425MM)
110	98-7862	3	Washer-Adjusting (1.450MM)
110	98-7863	3	Washer-Adjusting (1.475MM)
110	98-7864	3	Washer-Adjusting (1.500MM)

Ref.	Part Number	Qty.	Description
110	98-7865	3	Washer-Adjusting (1.525MM)
110	98-7866	3	Washer-Adjusting (1.550MM)
110	98-7867	3	Washer-Adjusting (1.575MM)
110	98-7868	3	Washer-Adjusting (1.600MM)
110	98-7869	3	Washer-Adjusting (1.625MM)
110	98-7870	3	Washer-Adjusting (1.650MM)
110	98-7871	3	Washer-Adjusting (1.675MM)
110	98-7872	3	Washer-Adjusting (1.700MM)
110	98-7873	3	Washer-Adjusting (1.725MM)
110	98-7874	3	Washer-Adjusting (1.750MM)



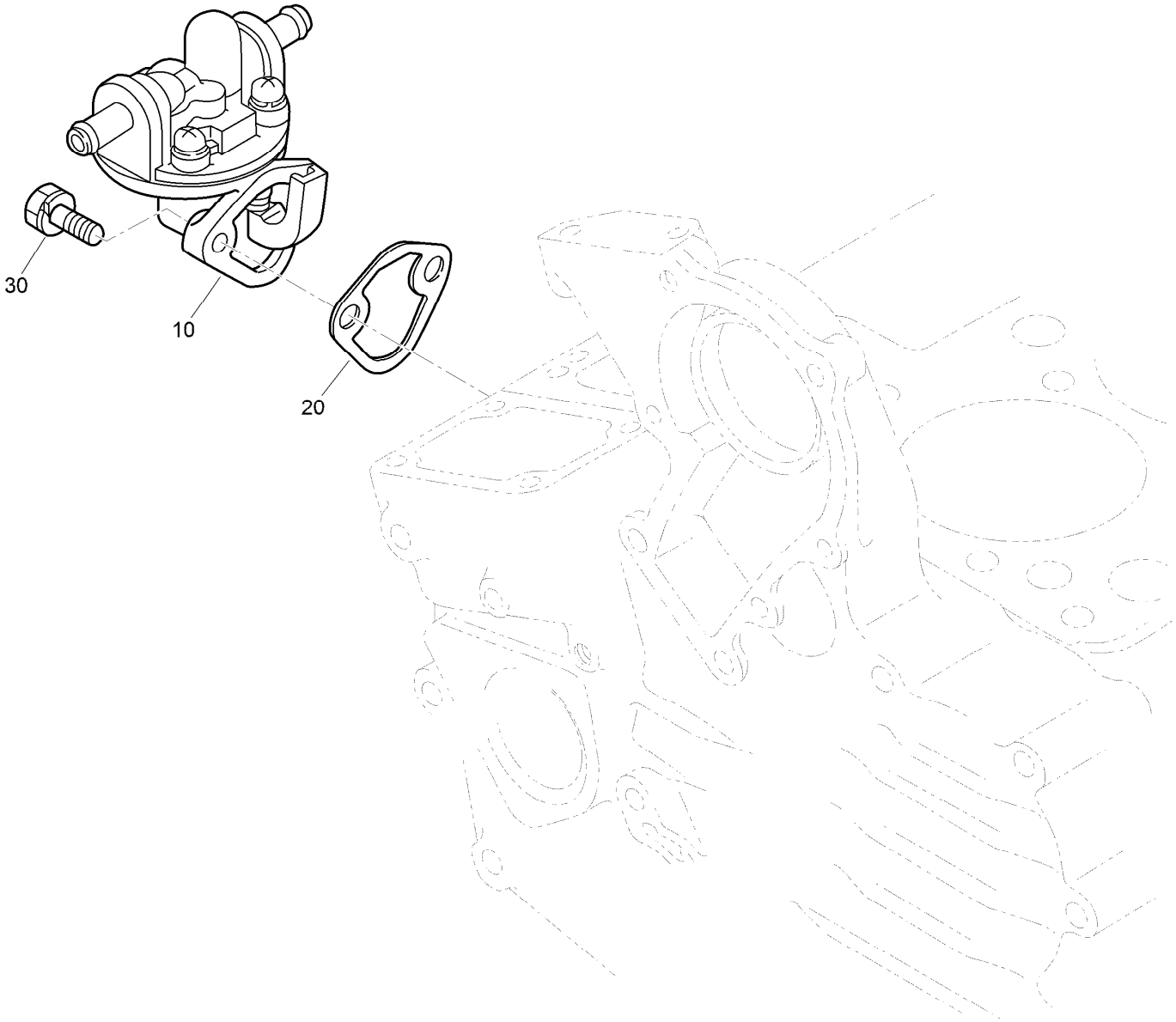
Nozzle Holder Assembly (continued)

Ref.	Part Number	Qty.	Description
110	98-7875	3	Washer-Adjusting (1.775MM)
110	98-7876	3	Washer-Adjusting (1.800MM)
110	98-7877	3	Washer-Adjusting (1.825MM)
110	98-7878	3	Washer-Adjusting (1.850MM)
110	98-7879	3	Washer-Adjusting (1.875MM)
110	98-7880	3	Washer-Adjusting (1.900MM)
110	98-7881	3	Washer-Adjusting (1.925MM)
110	98-7882	3	Washer-Adjusting (1.950MM)
120	98-7676	3	Gasket
130	98-7677	3	Seal-Heat



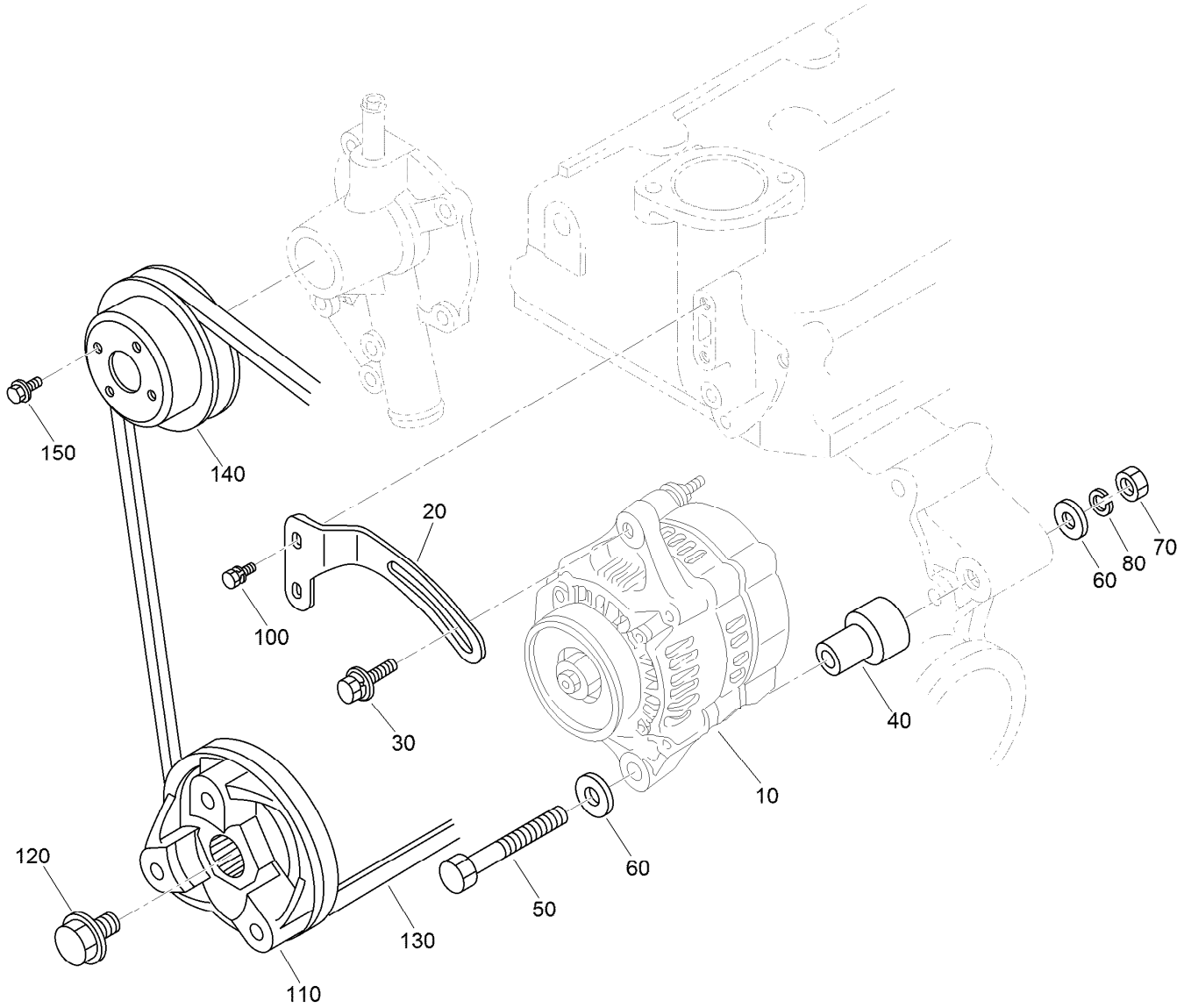
Governor Fork Lever Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-1911	1	Spring-Start
20	100-2059	1	Spring-Governor
30	130-1532	1	Fork Lever ASM
40	117-0313	1	Spring
50	100-1763	2	Bolt



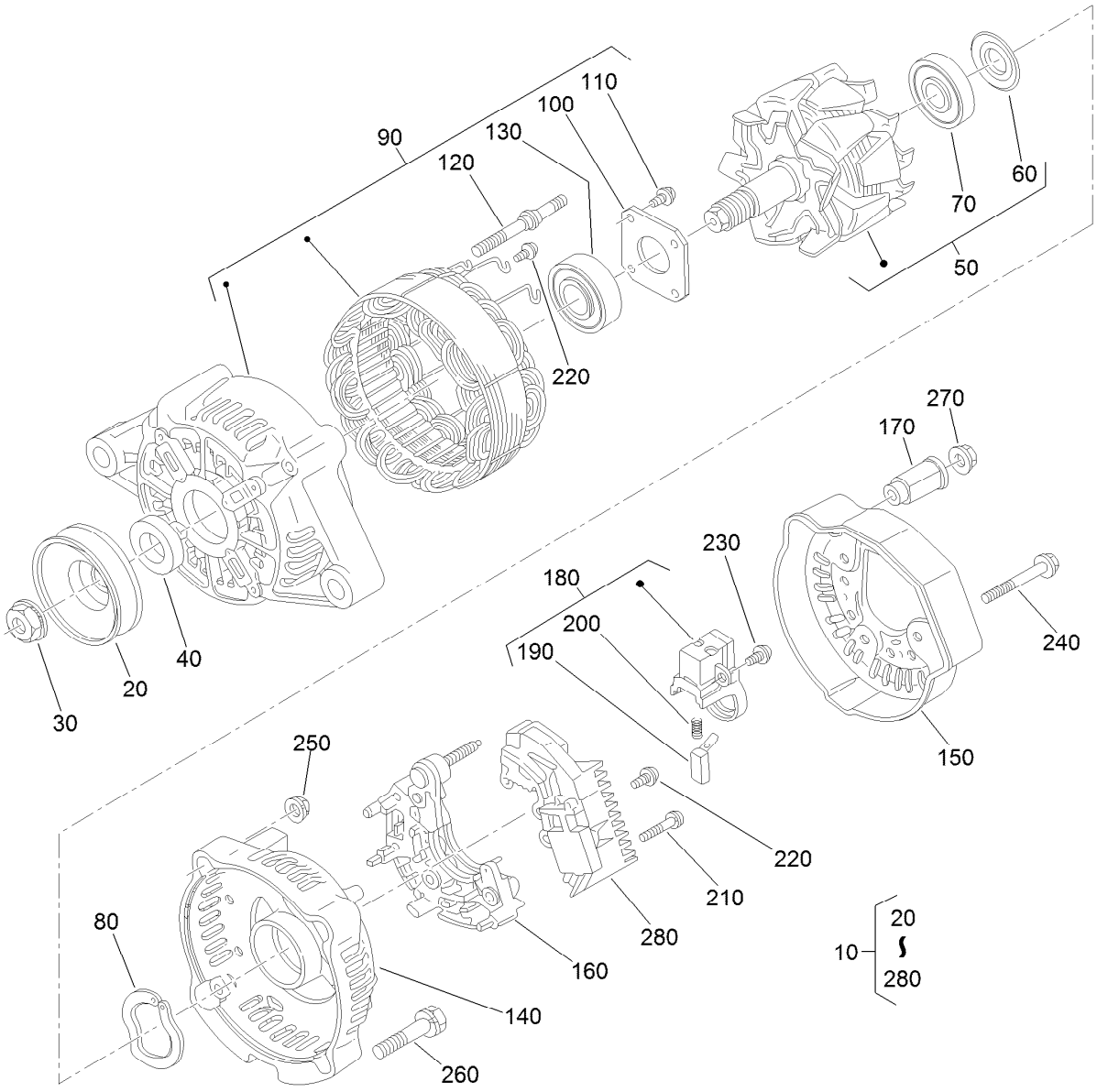
Mechanical Fuel Pump Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-2232	1	Fuel Pump ASM
20	98-9636	1	Gasket-Pump, Fuel
30	98-7692	2	Bolt



Alternator and Pulley Assembly

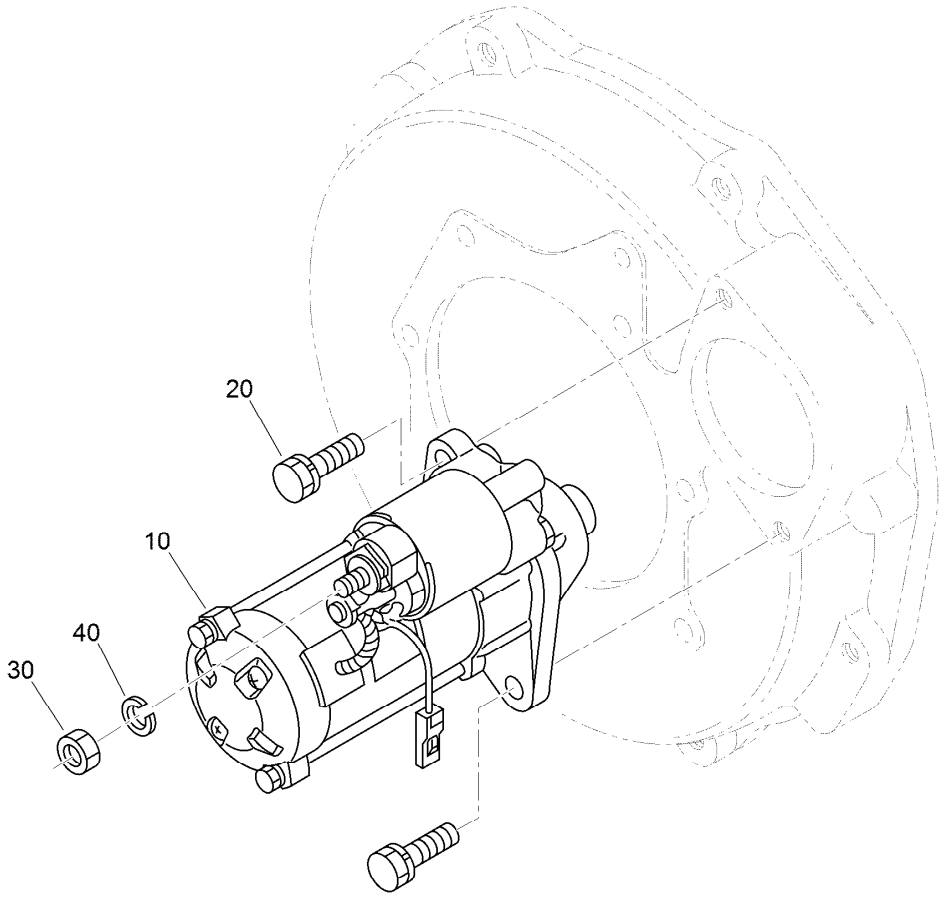
Ref.	*Part Number*	*Qty.*	*Description*
10	131-0561	1	Alternator
20	121-2412	1	Stay-Alternator
30	121-2413	1	Bolt
40	110-3794	1	Collar
50	98-7556	1	Bolt
60	120-5832	2	Washer-Plain
70	98-7534	1	Nut
80	105-2893	1	Washer-Spring
100	98-7692	2	Bolt
110	100-2039	1	Pulley-Drive, Fan
120	100-1978	1	Bolt
130	100-1979	1	V-Belt
140	100-1921	1	Pulley-Fan
150	99-8363	4	Bolt-Flange



Alternator Assembly No. 131-0561

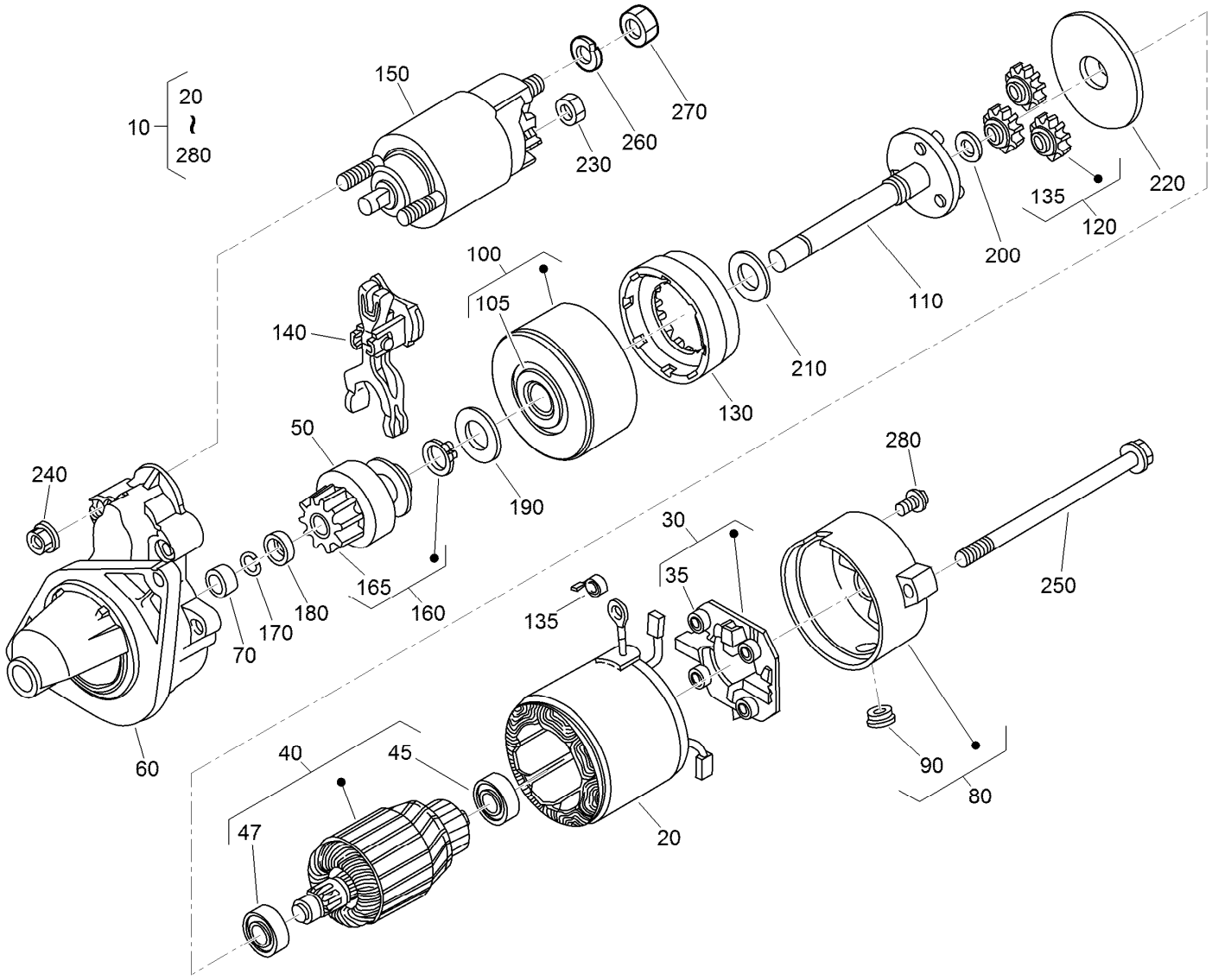
Ref.	Part Number	Qty.	Description
10	131-0561	1	Alternator
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor ASM
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	98-9475	1	Frame, Drive End
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	131-6560	1	Bearing-Ball
140	107-9087	1	Frame-End

Ref.	Part Number	Qty.	Description
150	107-0140	1	Cover-End
160	98-7721	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	107-0141	1	Brush Holder ASM
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	110-3799	1	Regulator ASM



Starter Installation Assembly

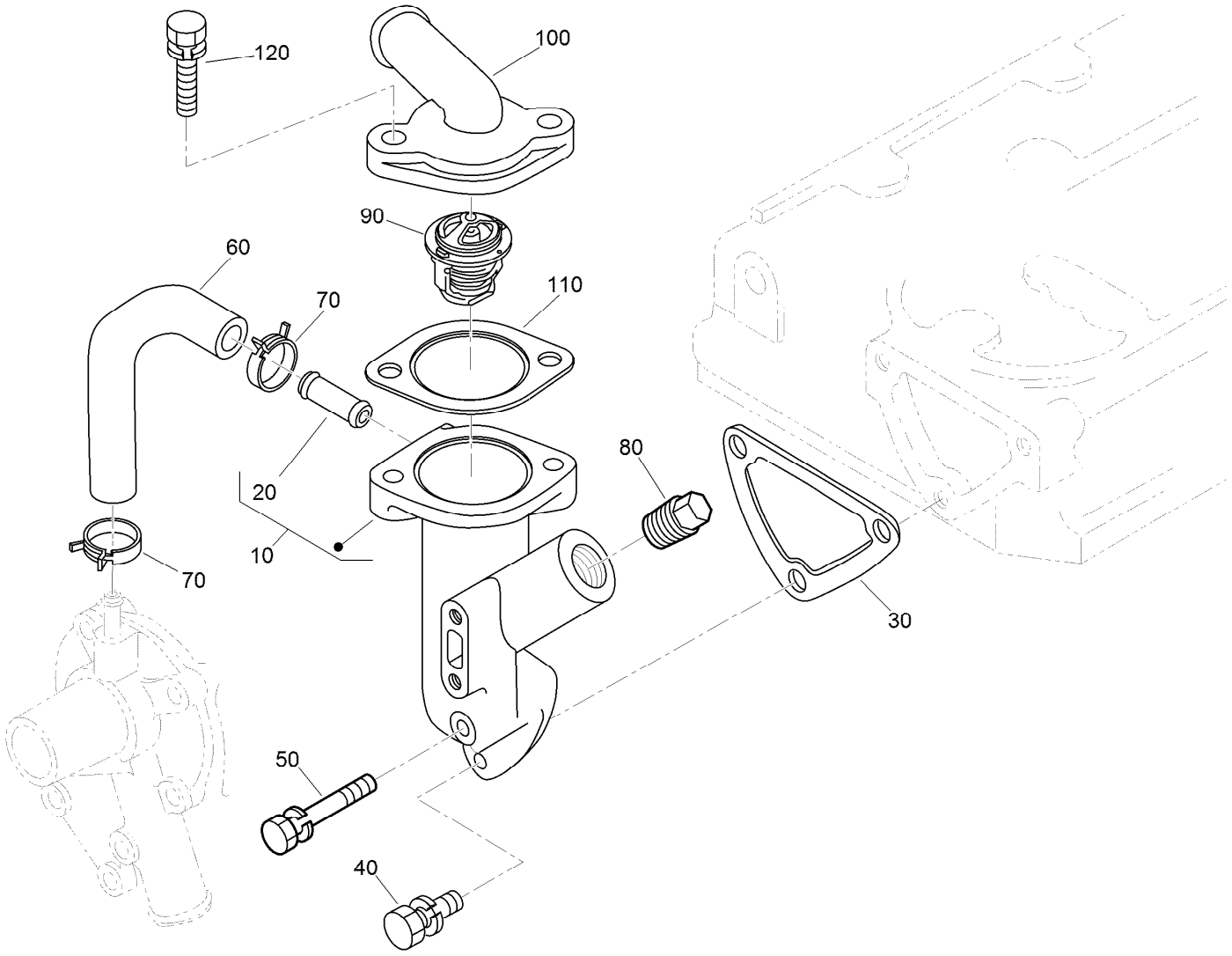
Ref.	*Part Number*	*Qty.*	*Description*
10	100-2179	1	Starter ASM
20	98-7438	2	Bolt
30	98-7534	1	Nut
40	105-2893	1	Washer-Spring



Starter Component Assembly No. 100-2179

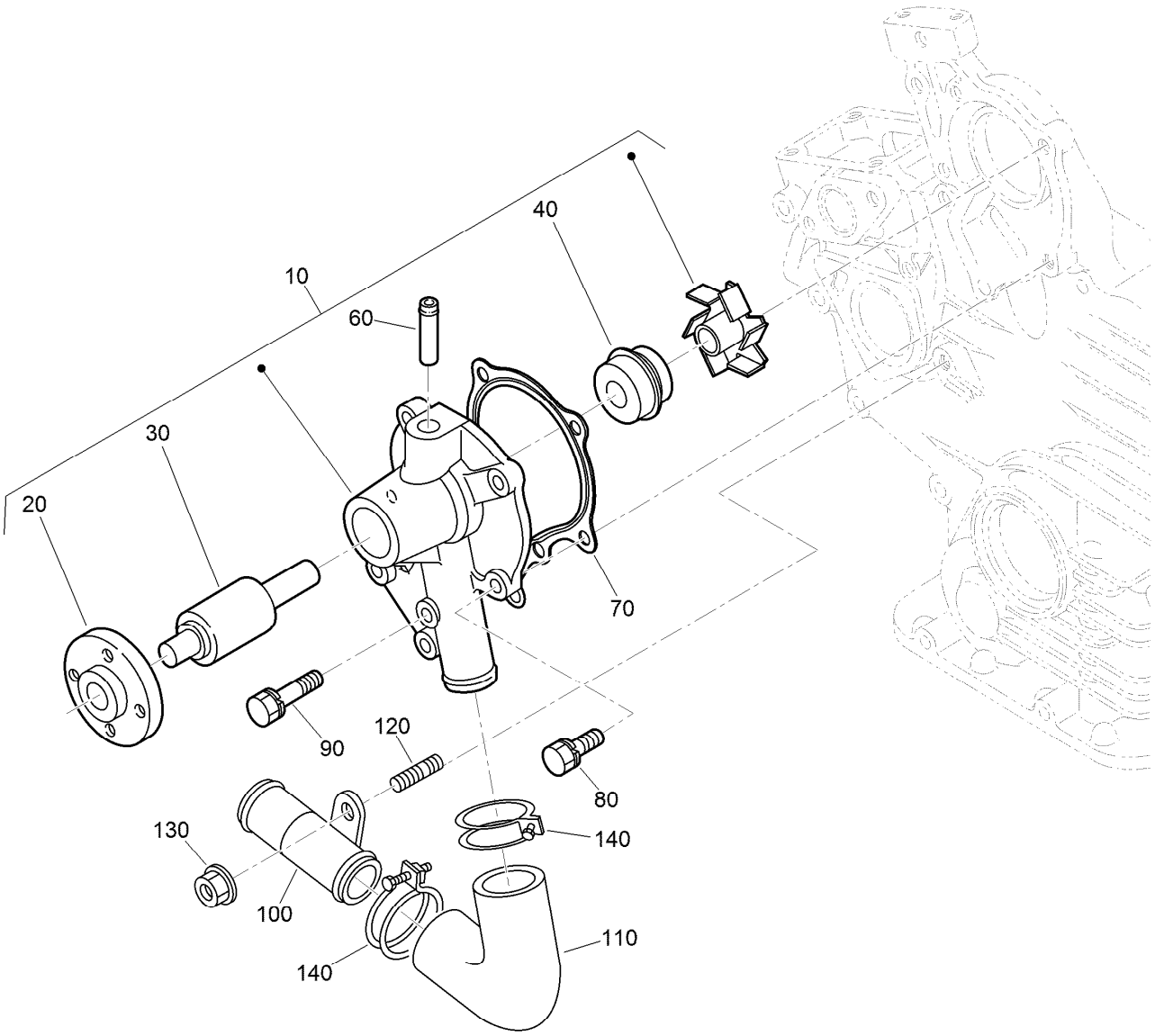
Ref.	Part Number	Qty.	Description
10	100-2179	1	Starter ASM
20	100-2181	1	Starter Yoke ASM
30	100-2222	1	Holder ASM
35	127-0415	4	Spring-Brush
40	100-2182	1	Armature ASM
45	98-9412	1	Bearing-Ball
47	98-9411	1	Bearing-Ball
50	100-2185	1	Starter Clutch ASM
60	100-2180	1	Starter Housing ASM
70	100-2183	1	Bearing
80	100-2186	1	Frame ASM
90	100-2213	1	Cover
100	100-2223	1	Bearing ASM
105	127-0414	1	Bearing
110	100-2187	1	Starter Shaft ASM
120	100-2220	3	Gear
130	100-2221	1	Gear

Ref.	Part Number	Qty.	Description
135	98-7750	4	Spring-Brush
140	100-2218	1	Lever
150	100-2211	1	Magnetic Switch ASM
160	100-2219	1	Ring-Snap
165	112-2833	1	Gear-Pinion
170	100-2212	1	Ring-Snap
180	100-2216	1	Collar
190	100-2224	1	Washer-Plain
200	100-2225	1	Washer-Plain
210	100-2226	1	Washer-Plain
220	100-2227	1	Plate
230	99-8371	1	Nut-Hex
240	100-1813	2	Nut
250	100-2210	2	Bolt-Through
260	100-2215	1	Washer-Spring
270	100-2171	1	Nut-Hex
280	100-2188	2	Screw



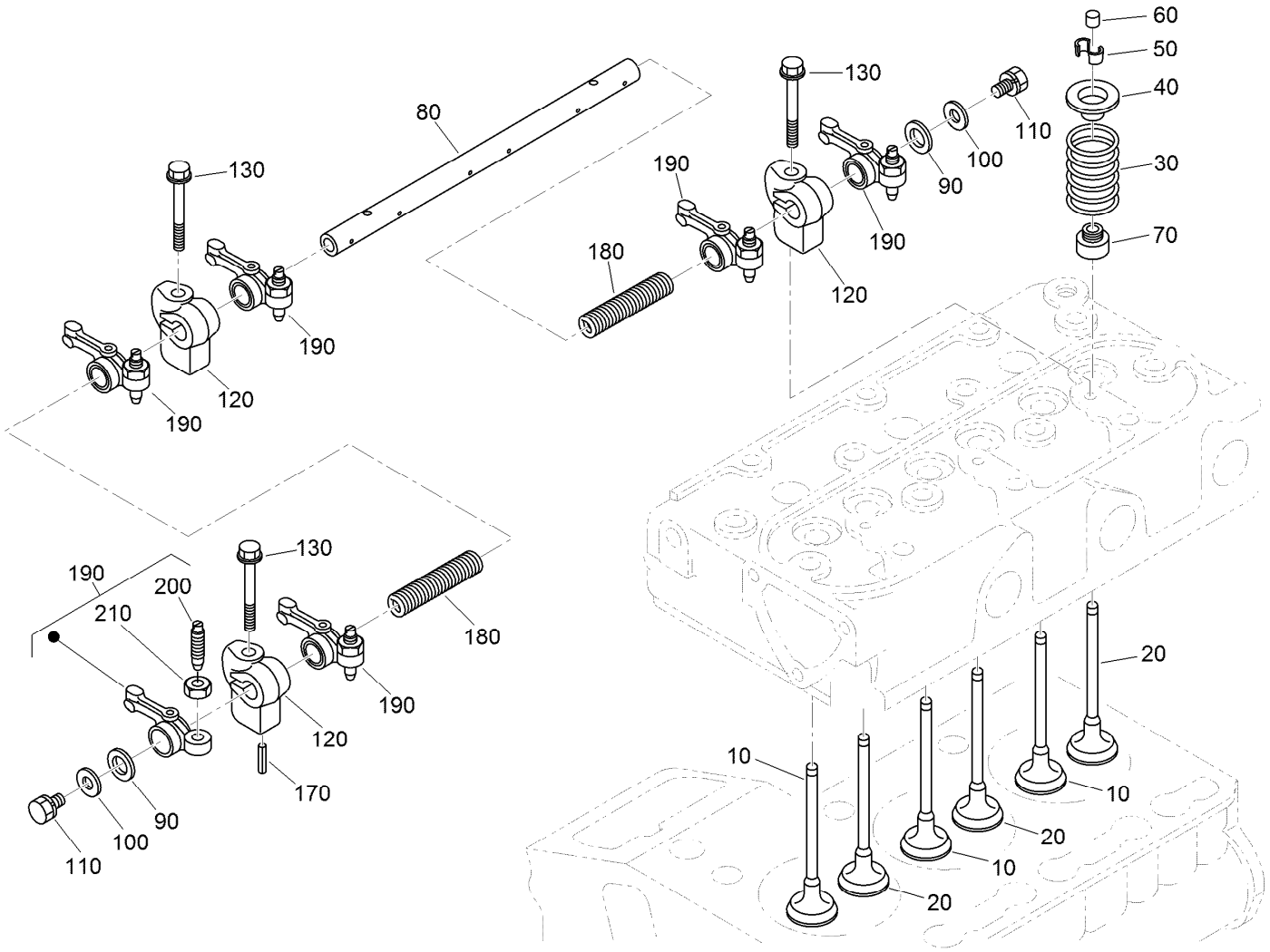
Water Flange and Thermostat Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	100-2165	1	Water Flange ASM
20	98-9580	1	Pipe-Return, Water
30	110-3820	1	Gasket-Flange, Water
40	98-7692	2	Bolt
50	125-9063	1	Bolt-Sems
60	100-2017	1	Pipe-Return, Water
70	125-9078	2	Clamp-Hose
80	110-3821	1	Plug
90	100-2053	1	Thermostat ASM
100	100-2231	1	Cover-Thermostat
110	100-2157	1	Gasket-Thermostat
120	98-9353	2	Bolt



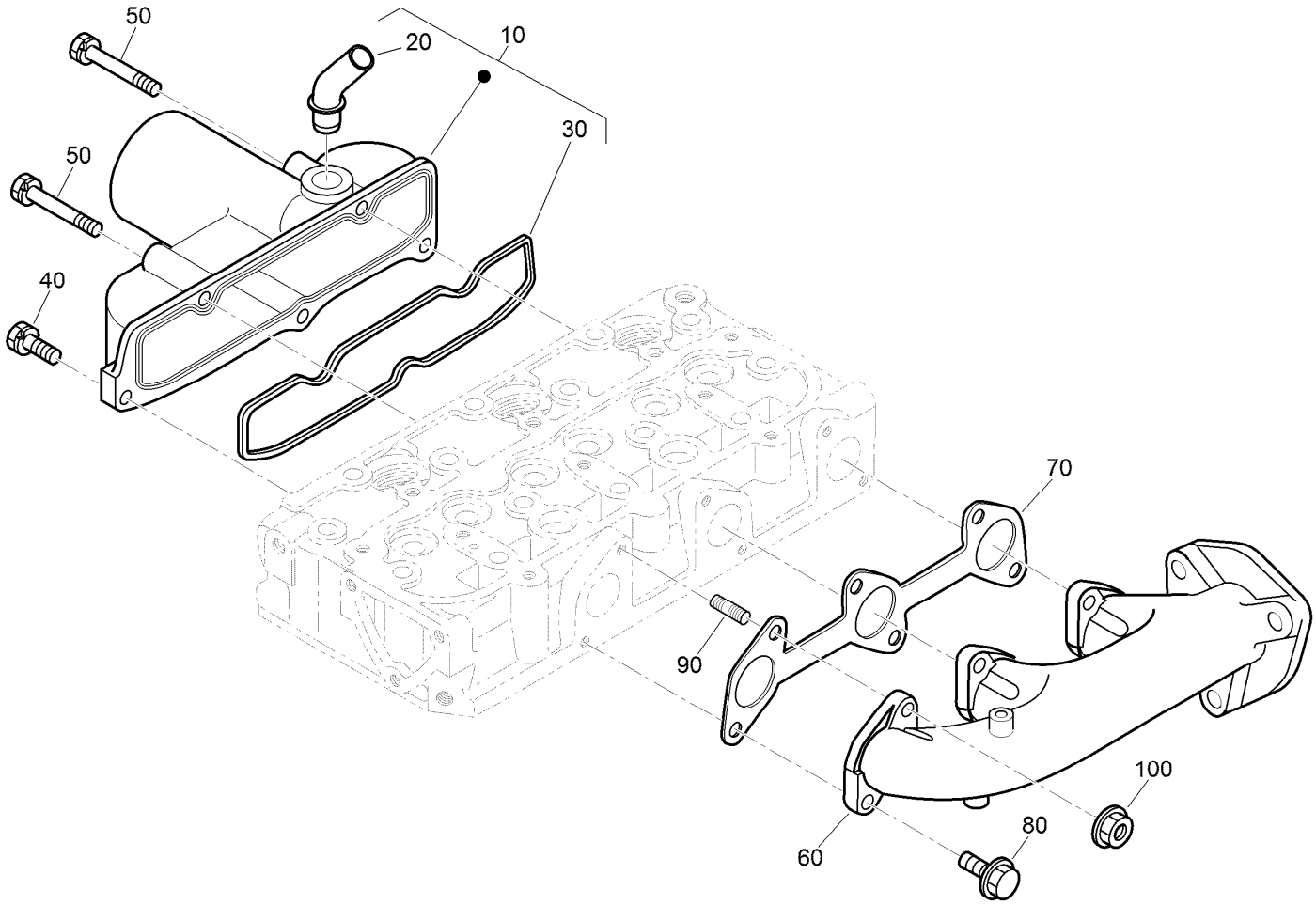
Water Pump and Water Pipe Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	127-1607	1	Water Pump ASM
20	125-9081	1	Flange-Pump, Water
30	100-1934	1	Bearing-Ball
40	99-3518	1	Water Pump Seal ASM
60	100-1932	1	Pipe-Return, Water
70	117-8846	1	Gasket-Pump, Water
80	100-1750	4	Bolt
90	100-1764	1	Bolt
100	112-2835	1	Pipe-Water
110	112-2836	1	Hose-Water
120	100-1924	1	Stud
130	100-2203	1	Nut-Flange
140	110-3828	2	Band-Pipe



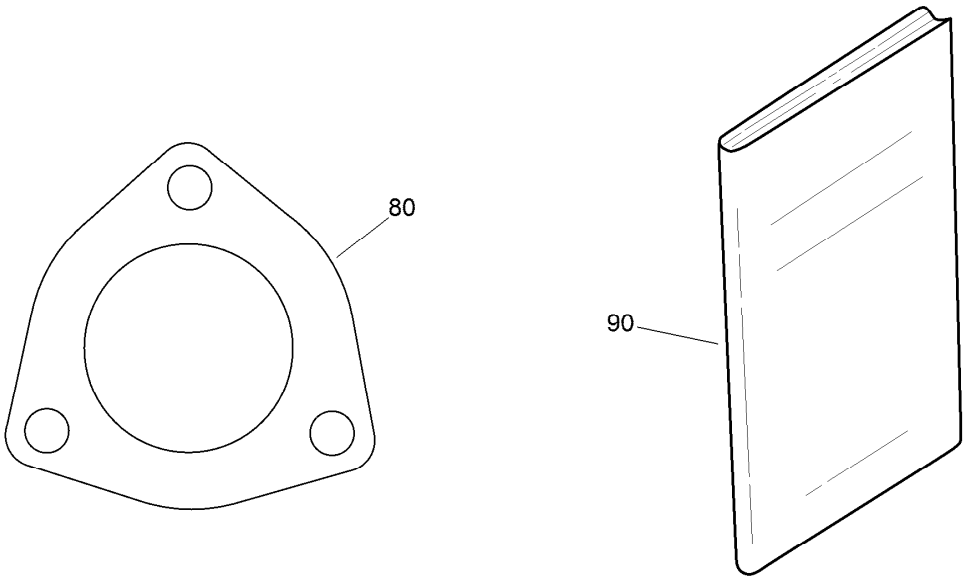
Valve and Rocker Arm Assembly

Ref.	Part Number	Qty.	Description
10	130-1412	3	Valve-Intake
20	130-1413	3	Valve-Exhaust
30	100-1823	6	Spring-Valve
40	100-1825	6	Retainer-Spring, Valve
50	120-3136	6	Collet-Spring, Valve
60	100-2155	6	Cap-Valve
70	100-1797	6	Seal-Stem, Valve
80	130-1213	1	Shaft-Rocker Arm
90	100-2044	2	Washer
100	110-3832	2	Washer-Plain
110	100-1762	2	Bolt
120	112-2838	3	Bracket-Arm, Rocker
130	110-3834	3	Bolt-Flange
170	98-7602	1	Pin-Spring
180	130-1178	2	Spring-Rocker Arm
190	100-1884	6	Rocker Arm ASM
200	100-1885	6	Screw-Adjusting
210	100-1827	6	Nut



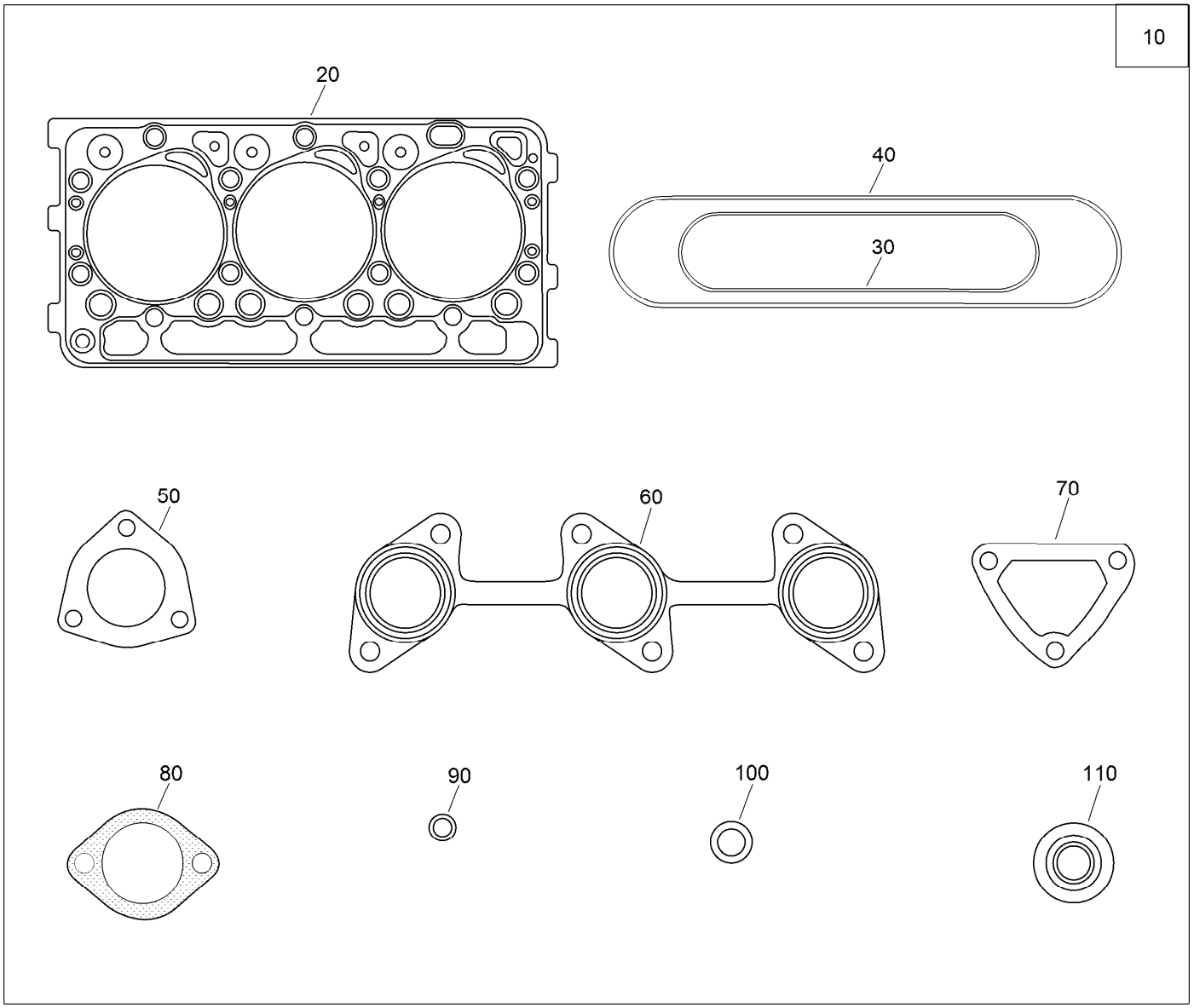
Inlet and Exhaust Manifold Assembly

Ref.	*Part Number*	*Qty.*	*Description*
10	112-2839	1	Intake Manifold ASM
20	110-3837	1	Pipe-Breather
30	100-1937	1	Gasket-Manifold, Intake
40	127-0403	2	Bolt-Flange
50	100-1765	3	Bolt
60	100-2244	1	Manifold-Exhaust
70	130-1384	1	Gasket-Manifold, Exhaust
80	130-1154	3	Screw-Hex HD
90	130-1156	3	Bolt-Stud
100	100-1778	3	Nut



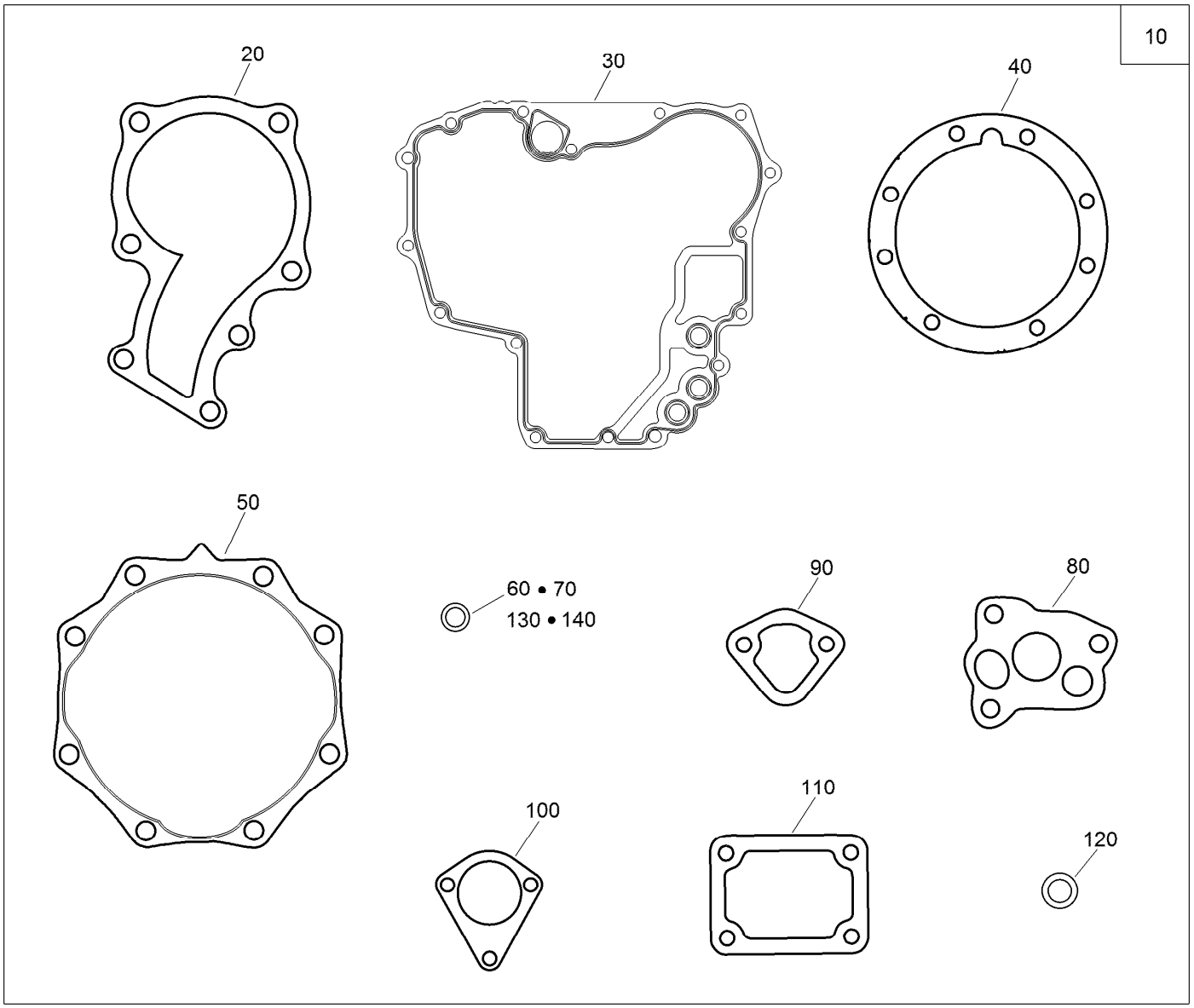
Miscellaneous Engine Parts

Ref.	*Part Number*	*Qty.*	*Description*
80	100-2238	1	Gasket-Muffler
90	130-1513	1	Manual-Operator



Upper Engine Gasket Kit

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1383	1	Upper Gasket Kit
20	130-1525	1	Gasket-Head, Cylinder
30	112-2842	1	Gasket-Cover, Head
40	100-1937	1	Gasket-Manifold, Intake
50	100-2238	1	Gasket-Muffler
60	130-1384	1	Gasket-Manifold, Exhaust
70	110-3820	1	Gasket-Flange, Water
80	100-2157	1	Gasket-Thermostat
90	99-3446	1	O-Ring
100	98-7654	3	Gasket
110	100-1797	6	Seal-Stem, Valve



Lower Engine Gasket Kit

Ref.	*Part Number*	*Qty.*	*Description*
10	130-1365	1	Lower Gasket Kit
20	117-8846	1	Gasket-Pump, Water
30	130-1302	1	Gasket-Case, Gear
40	100-1873	1	Gasket-Case, Bearing
50	100-1876	1	Gasket-Cover, Case
60	100-2209	1	O-Ring
70	105-3776	1	O-Ring
80	100-2003	1	Gasket-Pump, Oil
90	98-9636	1	Gasket-Pump, Fuel
100	100-2062	1	Gasket
110	100-1962	1	Gasket-Plate, Control
120	98-7428	2	Gasket
130	100-2208	1	O-Ring
140	100-2207	1	O-Ring

Attachments and Accessories

For 22337CP — 320-D Compact Tool Carrier

Product Name	Model/Part
Tire Chain Kit	100-4140
Helmet-Face Shield	100-4143
Narrow Tire ASM	104-0572
Tube-Tire (18 x 8.50-10)	105-4070
Rubber Foot Mat	105-5805
Tube-Tire (18 X 8.50-8)	106396
Control Lever Asm	117-1844
Control Lever Asm	117-1846
Solenoid Shutoff Kit	131-0569
Spare Tire Kit Assembly	144-0105
Tire And Wheel ASM, RH	144-2574
Tire And Wheel ASM, LH	144-2575
Light Kit ASM	144-7101
Adjustable Forks	22341
4 Cubic Foot Standard Bucket	22409
Loose Materials Bucket	22410
48in Hydraulic Blade	22414
Bore Drive Head	22420
Rod and Reamer	22421
Multi-Purpose Tool	22423
Direct Drive Power Box Rake	22426
Stump Grinder	22429
Tree Forks	22438
Cement Bowl	22442
40in Tiller	22445
Trench Filler	22472
High-Torque Trencher Head	22473
High-Speed Trencher Head	22474
Narrow Bucket	22520
Grapple Rake	22577
Auger Head	22805
Universal Swivel Auger Head	22806
18in Auger Bit	22814
24in Auger Bit	22815
12in Auger Bit Extension	22818
24in Auger Bit Extension	22819
6in Full-Flight Auger Bit	22820
9in Full-Flight Auger Bit	22821
12in Full-Flight Auger Bit	22822
15in Full-Flight Auger Bit	22823
Vibratory Plow	22911
Concrete Breaker	23135
Backhoe	23163
Leveler	23165
Tube	232-37
Wheel and Tire ASM	98-4709

Attachments and Accessories (continued)

Spark Arrestor 98-9099
Hydraulic Relief Valve Kit 99-4360

Notes:

Count on it.