



Count on it.

Parts Catalog

**Dingo® 320-D Compact Utility
Loader**

Model No. 22303—Serial No. 25000001 and Up



Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

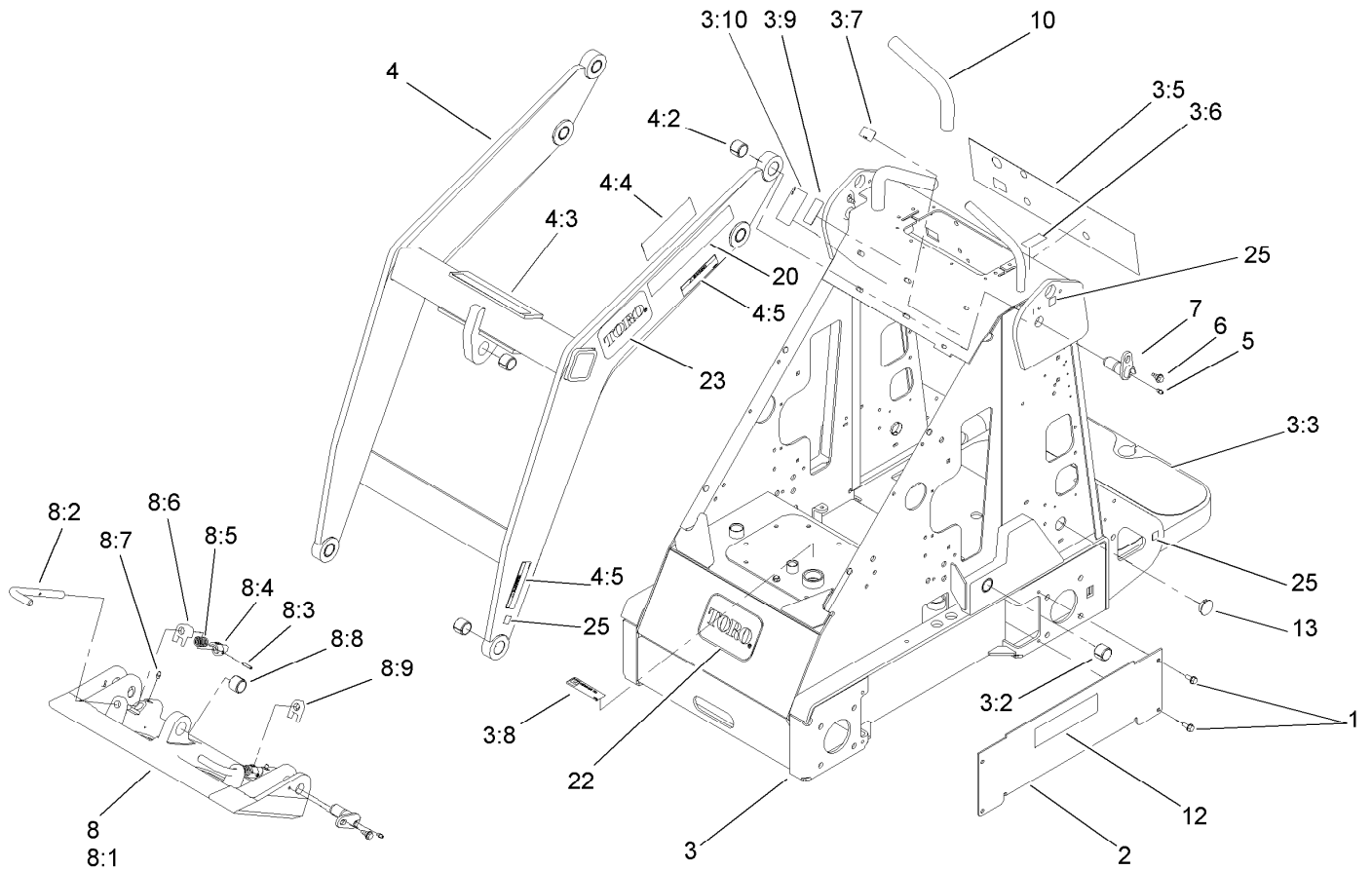
Reference Numbers Indicating Quantity

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

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

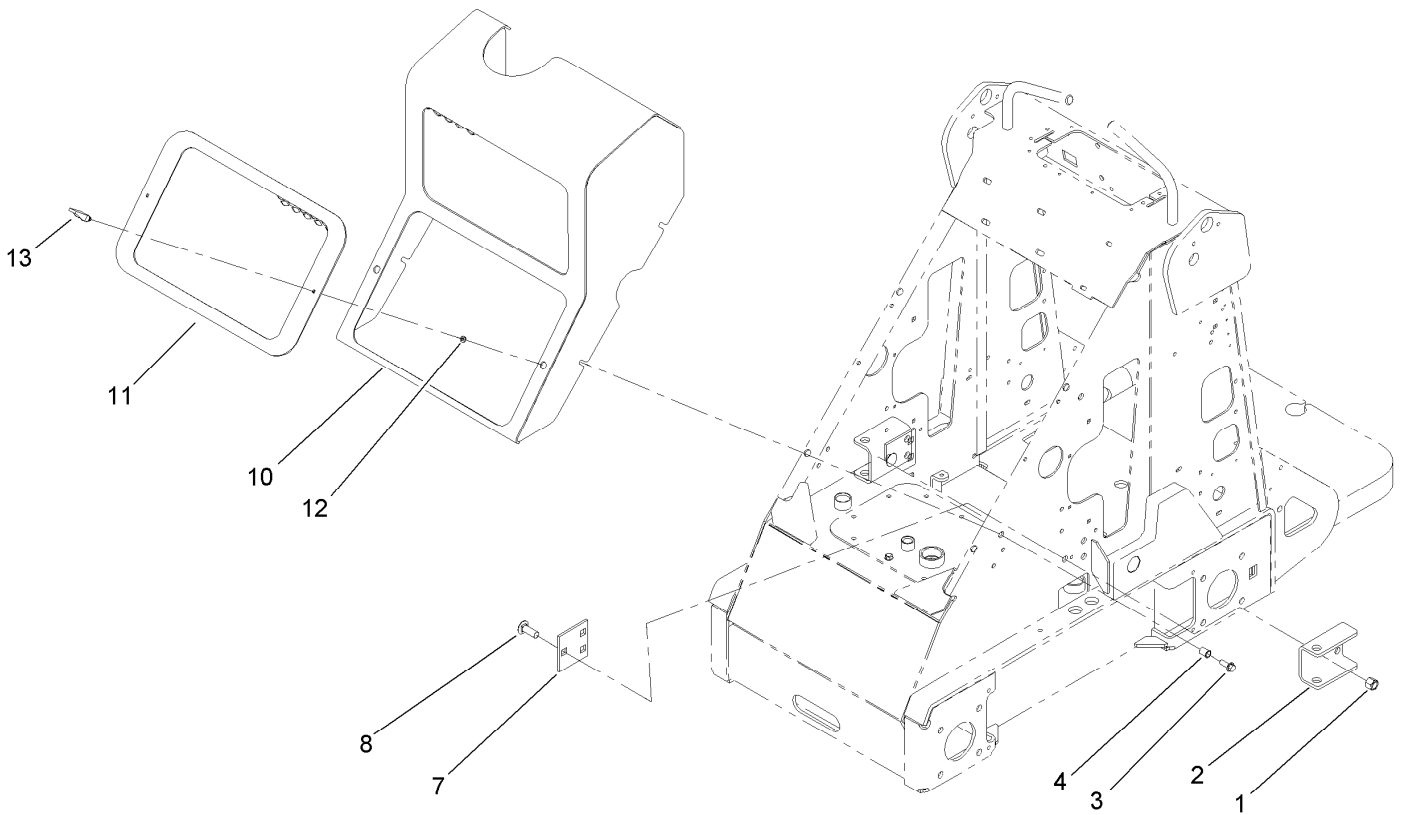
Contents

Frame and Loader Arm Assembly	4
Hood and Screen Assembly	5
Wheel and Motor Assembly	6
Hydraulic Motor Assembly No. 99 3052	7
Engine Assembly	8
Engine Mounting Assembly	9
Fuel Tank and Air Filter Assembly	10
Air Cleaner Assembly No. 99-3160	11
Radiator Mount Assembly	12
Hydraulic Tank and Filter Assembly	13
Auxiliary Control Lever Assembly	14
Hydraulic Valve Assembly	15
Hydraulic Valve Assembly No. 99 3077	16
Hydraulic Valve Assembly No. 104-4221	17
Hydraulic Valve Assembly No. 99-3072	18
4-Spool Valve Assembly	19
Four Spool Hydraulic Valve Assembly No. 105-8377	20
Hydraulic Motor Assembly	21
Counterbalance Valve Assembly No. 99-3040	22
Hydraulic Cylinder Assembly	23
Rear Cover Assembly	24
Battery Mount Assembly	25
Electrical Component Assembly	26
Crankcase Assembly	27
Oil Pan Assembly	28
Cylinder Head Assembly	29
Gear Case Assembly	30
Head Cover Assembly	31
Dipstick and Guide Assembly	32
Main Bearing Case Assembly	33
Camshaft Assembly	34
Piston and Crankshaft Assembly	35
Flywheel Assembly	36
Fuel Camshaft Assembly	37
Engine Stop Lever Assembly	38
Injection Pump Assembly	39
Injection Pump (Complete Parts)	40
Governor Assembly	41
Speed Control Plate Assembly	42
Nozzle Holder and Glow Plugs Assembly	43
Nozzle Holder (Complete Parts)	44
Fuel Pump (mechanical)	46
Dynamo and Pulley Assembly	47
Dynamo (Complete Parts)	48
Starter Assembly	49
Starter (Complete Parts)	50
Oil and Thermo Switch Assembly	51
Water Flange and Thermostat Assembly	52
Water Pump Assembly	53
Water Pipe Assembly	54
Valve and Rocker Arm Assembly	55
Inlet Manifold Assembly	56
Exhaust Manifold Assembly	57
Gasket Assembly	58
Attachments and Accessories	59



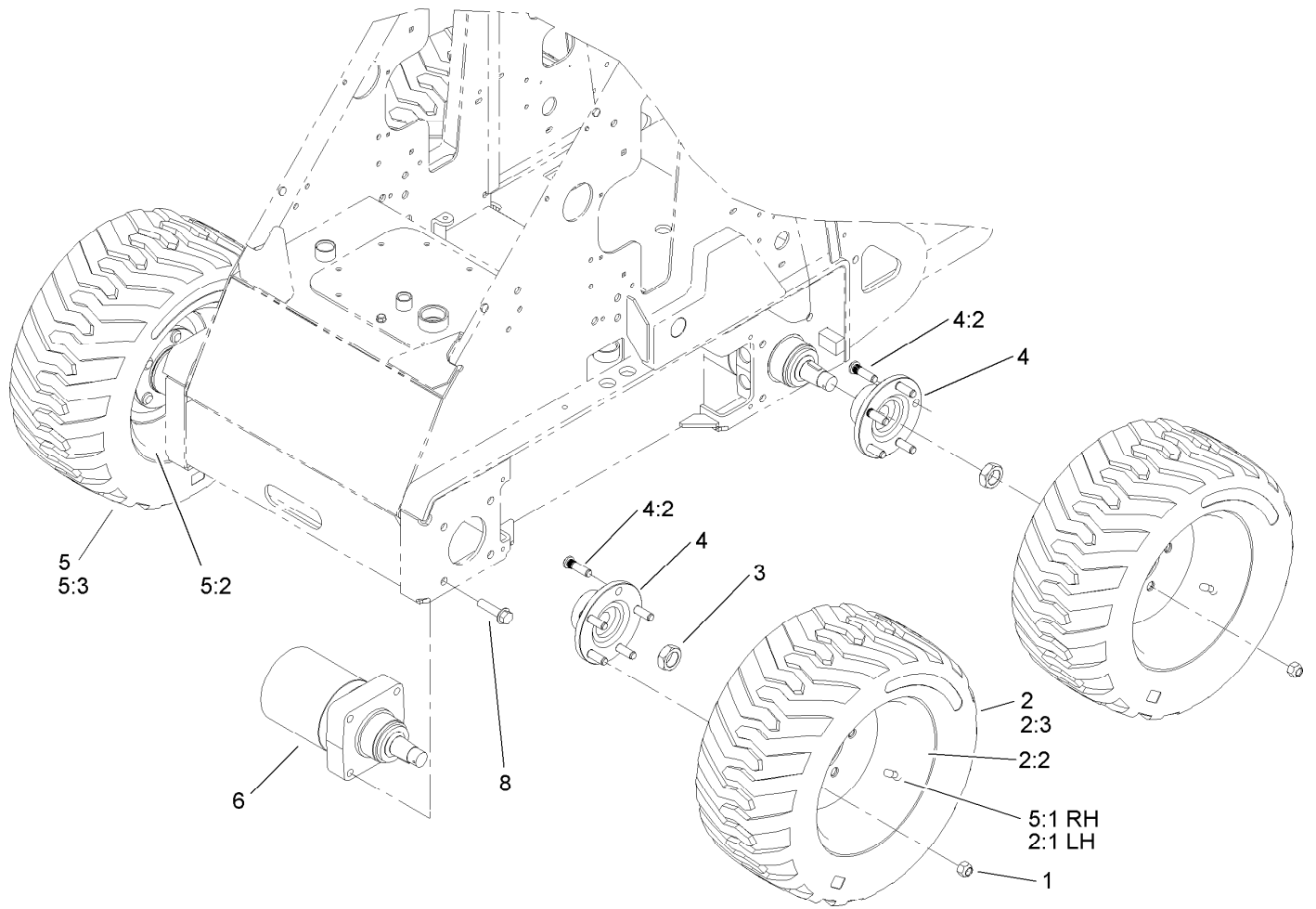
Frame and Loader Arm Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	32144-70	8	Screw-HWHTF	7	99-1414	4	Pin-Pivot
2	106-8178-01	2	Cover-Hose	8	105-8364	1	Quick Attach ASM
3	106-8185	1	Frame ASM	8:1	105-0245-03	1	Mount-Attach, Quick
3:2	98-4871	2	Bushing-Tension	8:2	105-8367	2	Pin-Locking
3:3	98-9947	2	Tread-Foot	8:3	3285-1	2	Pin-Grooved
3:5	99-3157	1	Decal-Panel, Control	8:4	105-0246	2	Cam
3:6	98-8219	1	Decal-Throttle	8:5	98-4694	2	Spring-Compression
3:7	98-8220	1	Decal-Limiter, Speed	8:6	104-5909	1	Stop-RH
3:8	105-8432	1	Decal-Oil, HYD	8:7	302-5	2	Fitting-Grease
3:9	98-8235	1	Decal-Selector	8:8	98-4871	1	Bushing-Tension
3:10	98-4677	1	Decal-Power, Auxiliary	8:9	104-5903	1	Stop-LH
4	106-8155	1	Loader ASM	10	98-4845	2	Grip-Cushion
4:2	98-4871	7	Bushing-Tension	12	105-8429	2	Decal
4:3	98-4682	1	Decal-Caution	13	94-1402	2	Plug-Hole
4:4	98-9051	1	Decal-Danger	20	105-8428	2	Decal
4:5	100-6141	4	Decal-Pinch	22	62-5550	1	Decal
5	302-5	4	Fitting-Grease	23	93-7340	2	Decal
6	99-5105	4	Screw-Shoulder	25	93-9084	6	Decal-Point, Lift



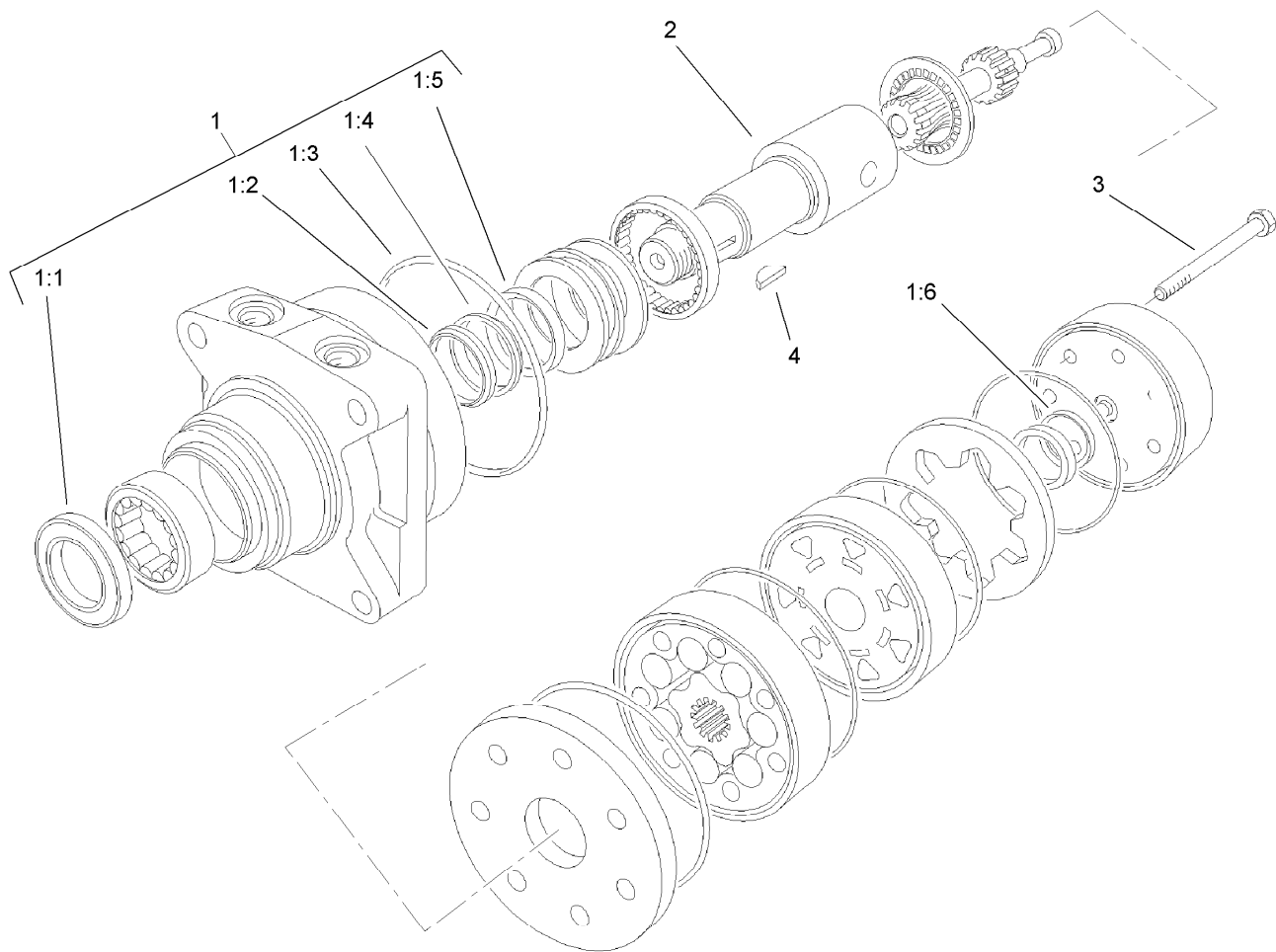
Hood and Screen Assembly

Ref.	Part Number	Qty.	Description
1	3296-23	6	Nut-Lock, NI
2	100-4122-01	2	Bracket-Anchor
3	3234-29	4	Screw-HHF
4	32148-8	4	Nut-Clinch
7	100-4116-01	2	Plate-Anchor
8	3233-26	6	Screw-CARR, Shortneck
10	99-3120-03	1	Hood
11	99-3118-03	1	Cover
12	99-3058	2	Washer
13	74-5950	2	Latch-Swell



Wheel and Motor Assembly

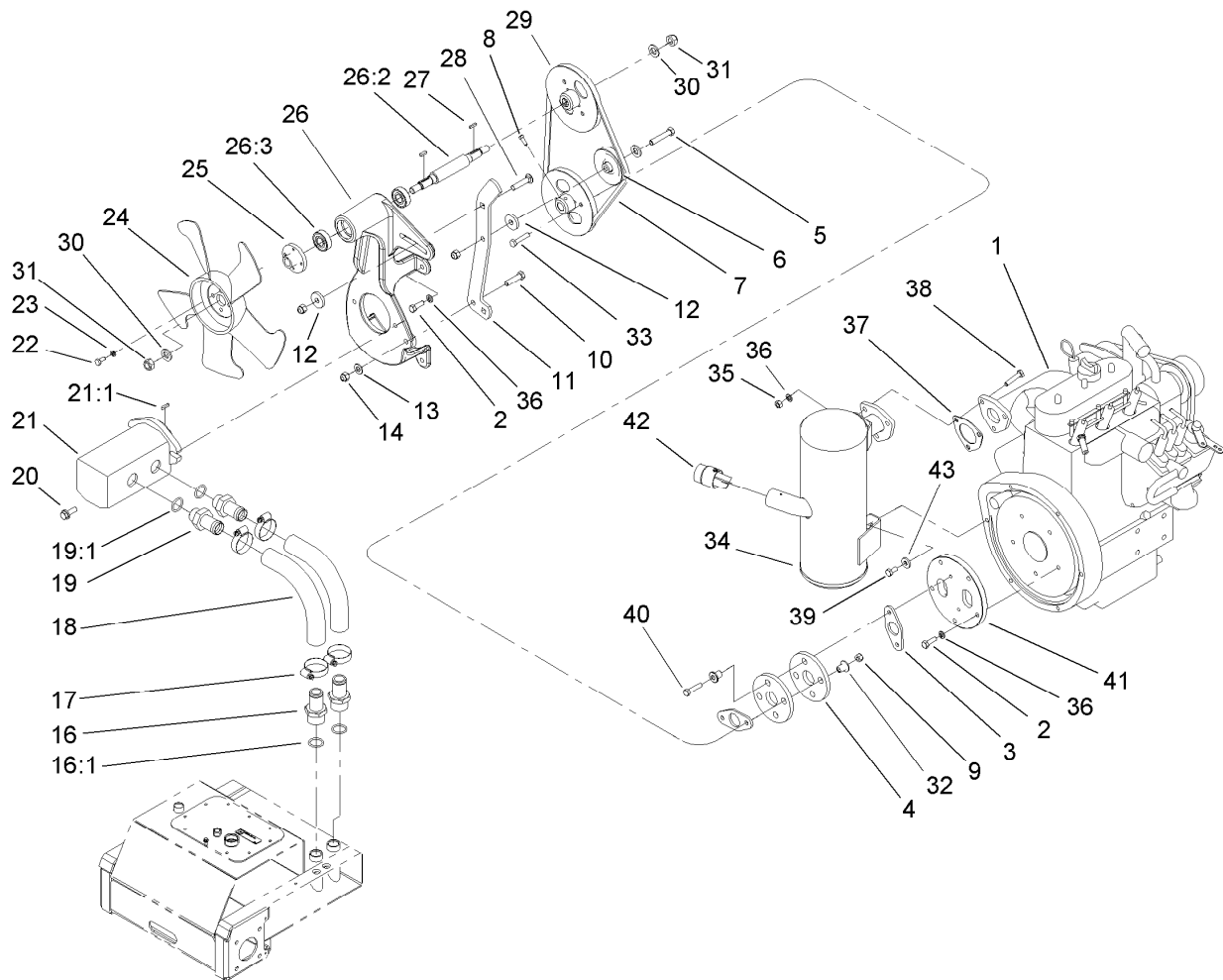
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	242-50	20	Nut-Lug
2	98-2747	2	LH Wheel And Tire ASM
2:1	232-27	1	Stem-Valve
2:2	98-2748	1	Wheel
2:3	98-2749	1	Tire
3	106-8159	4	Nut-Lock
4	99-3064	4	Hub ASM
4:2	10-6830	5	Stud-Type, Drive
5	99-1447	2	RH Wheel And Tire ASM
5:1	232-27	1	Stem-Valve
5:2	98-2748	1	Wheel
5:3	98-2749	1	Tire
6	99-3052	4	HYD Motor ASM
8	3234-27	16	Screw-HHF



Hydraulic Motor Assembly No. 99 3052

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	94-8178	1	Seal Kit
1:1		1	Seal-Dirt & Water ●
1:2		1	Washer-Backup ●
1:3		5	Seal-Ring ●
1:4		1	Washer-Backup ●
1:5		1	Seal-Inner ●
1:6		1	Seal-Commutator ●
2	99-3090	1	Shaft-Coupling
3	99-3091	7	Screw-Cap, HH
4	3257-42	1	Key-Woodruff

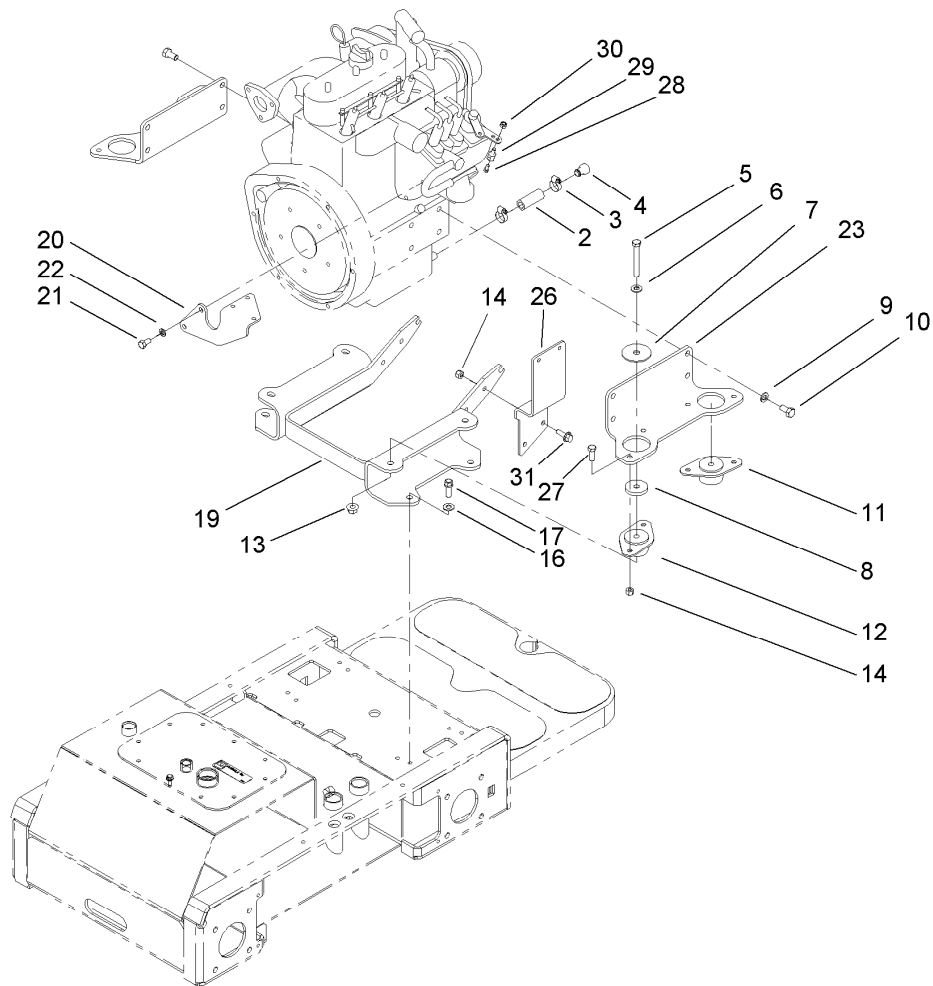
● Not serviced separately



Engine Assembly

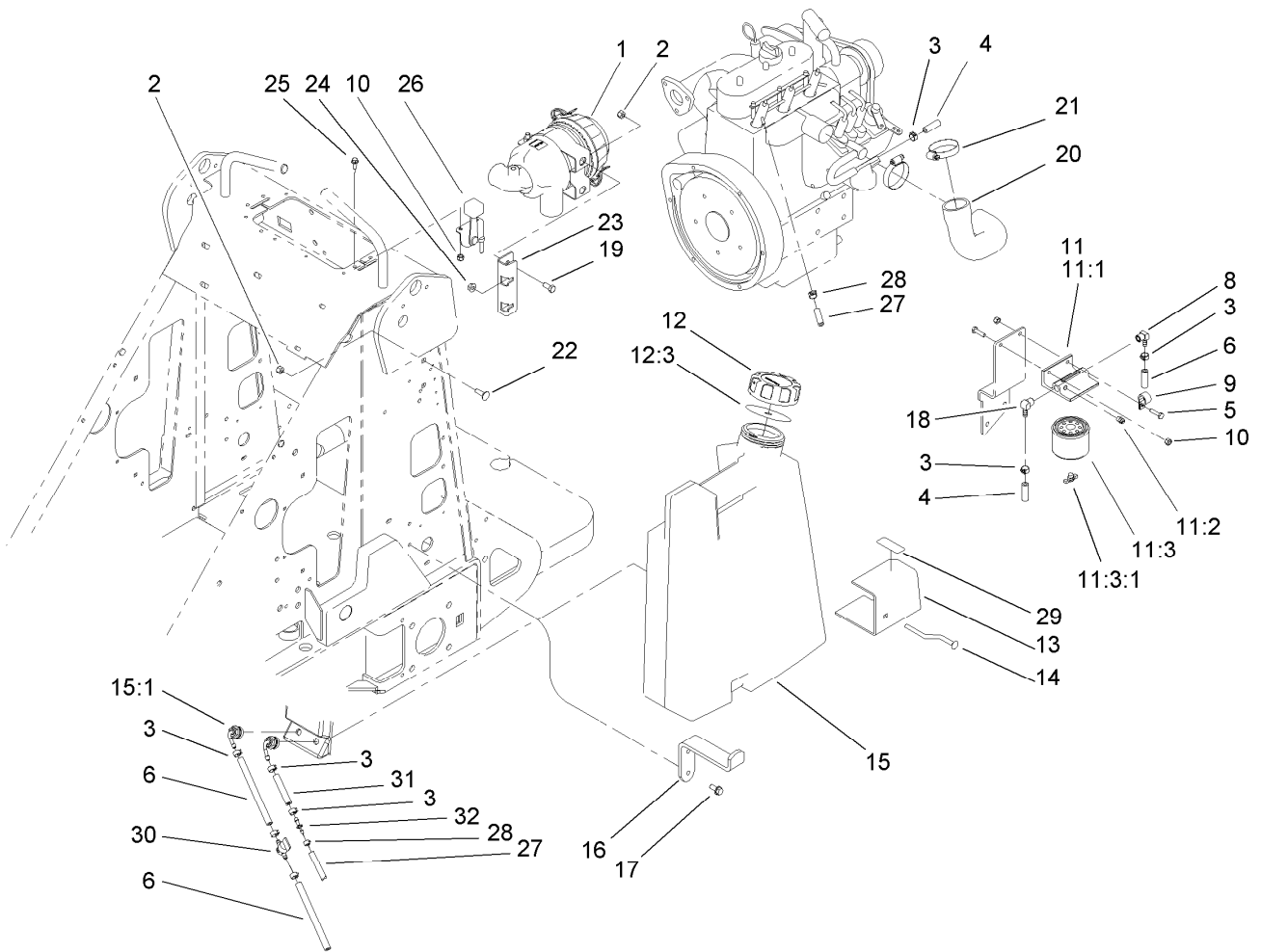
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	98-4661	1	Engine-Kubota, D722-E	22	321-2	4	Screw-HH
2	99-5131	9	Bolt	23	3253-3	4	Washer-Lock
3	99-1430	2	Spacer-Coupler	24	43-1911	1	Fan
4	44-2230	2	Coupling-Rubber	25	106-8153	1	Adapter-Fan
5	323-10	1	Screw-HH	26	106-8163	1	Pump Mount ASM
6	63-8140	1	Pulley-Idler	26:2	98-0068	1	Shaft-Fan
7	92-8876	1	V-Belt	26:3	38-7820	2	Bearing-Ball
8	3241-5	2	Screw-Set	27	100-1715	2	Key-Square
9	104-9469	2	Nut-Lock	28	3231-5	1	Screw-CARR
10	323-8	1	Screw-HH	29	99-5111	2	Pulley-Keyed
11	106-7649-03	1	Arm-Tensioner	30	33096-00	2	Washer-Flat
12	99-5121	2	Spacer	31	98-8089	2	Nut-Lock
13	3256-24	2	Washer-Plain	32	71-4411	4	Spacer
14	3296-39	3	Nut-Lock, NI	33	5-1470	2	Screw-HH
16	354-78	2	Fitting-STR	34	105-8390	1	Muffler
16:1	237-146	1	O-Ring	35	3217-6	3	Nut-Hex
17	2412-111	4	Clamp-Hose, W/Liner	36	3253-4	12	Washer-Lock
18	99-3046	2	Hose-Suction, Formed	37	100-2238	1	Gasket-Muffler
19	99-3017	2	Fitting	38	322-7	3	Screw-HH
19:1	237-81	1	O-Ring	39	99-5132	1	Bolt
20	66-9300	2	Screw-HHF	40	99-5133	2	Bolt
21	98-4702	1	Pump-Gear, Tandem	41	99-1431	1	Adapter-Flywheel
21:1	98-4700	1	Key-Square	42	75-6880	1	Screen-Arrester, Spark
21:2	99-1353	1	Seal Kit ●	43	88-7200	1	Washer-Flat

● Not illustrated



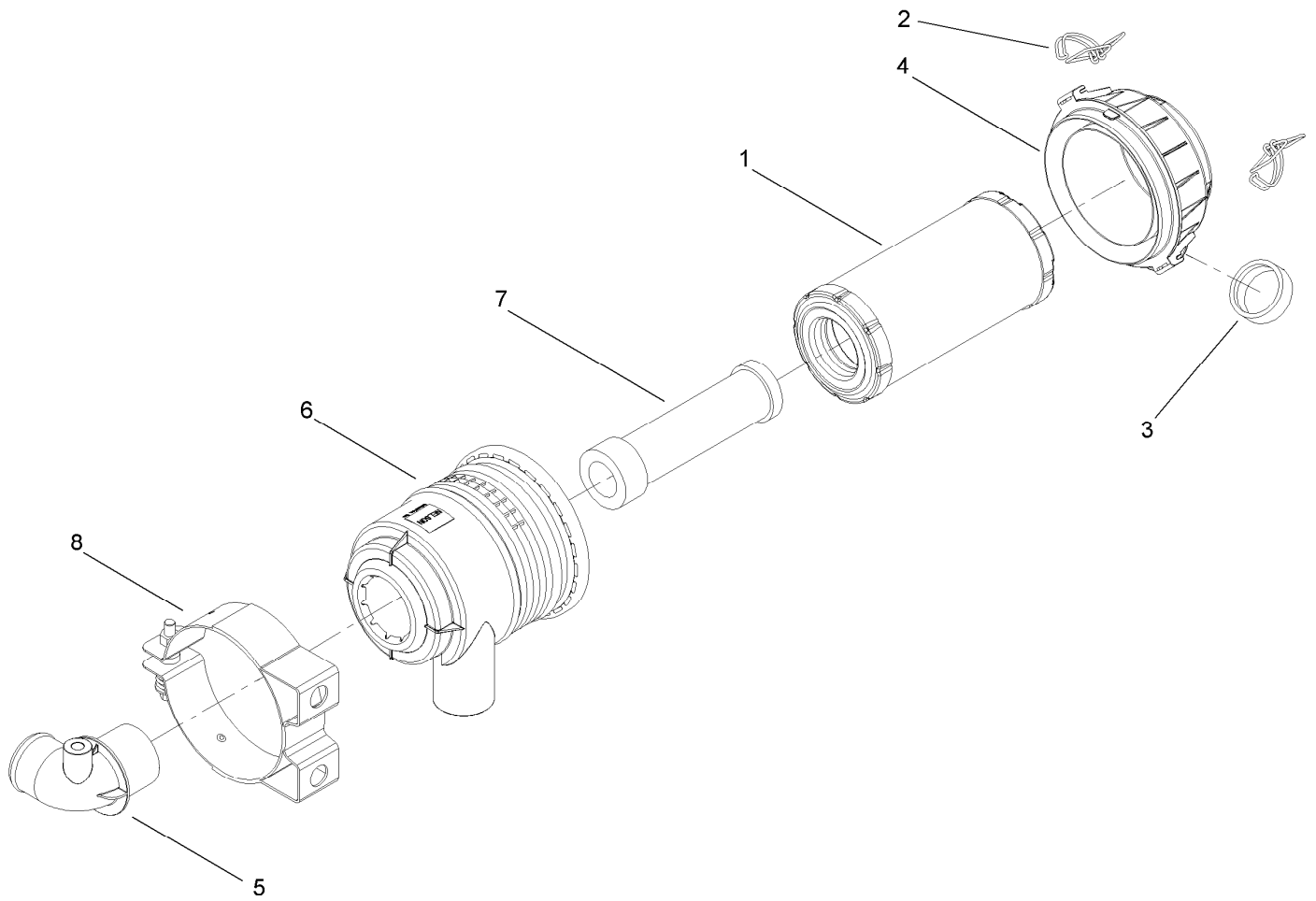
Engine Mounting Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	56-2230	1	Hose-Fuel	16	3256-80	4	Washer-Plain
3	2412-36	2	Clamp-Hose	17	95-1726	4	Screw-Taptite
4	99-1445	1	Plug-Oil	19	98-0066-01	1	Mount-Engine
5	323-13	4	Screw-HH	20	105-4054-01	1	Mount-Solenoid
6	3256-24	4	Washer-Plain	21	99-5132	2	Bolt
7	87-5100	4	Washer-Snubbing	22	3253-4	2	Washer-Lock
8	98-4596	4	Washer-Mount, Engine	23	98-0055-01	2	Plate-Mount, Engine
9	42-9600	6	Washer-Lock	26	98-0059-01	1	Mount-Filter, Fuel
10	99-5130	8	Screw-HH	27	322-5	8	Screw-HH
11	83-1030	2	Mount-Engine	28	25-8640	1	Screw-HH
12	93-5265	2	Mount-Engine	29	93-0021	1	Swivel-Cable, Throttle
13	32128-29	4	Nut-Lock, Flange	30	3296-13	1	Nut-Lock, NI
14	3296-29	10	Nut-Lock, NI	31	3234-29	2	Screw-HHF



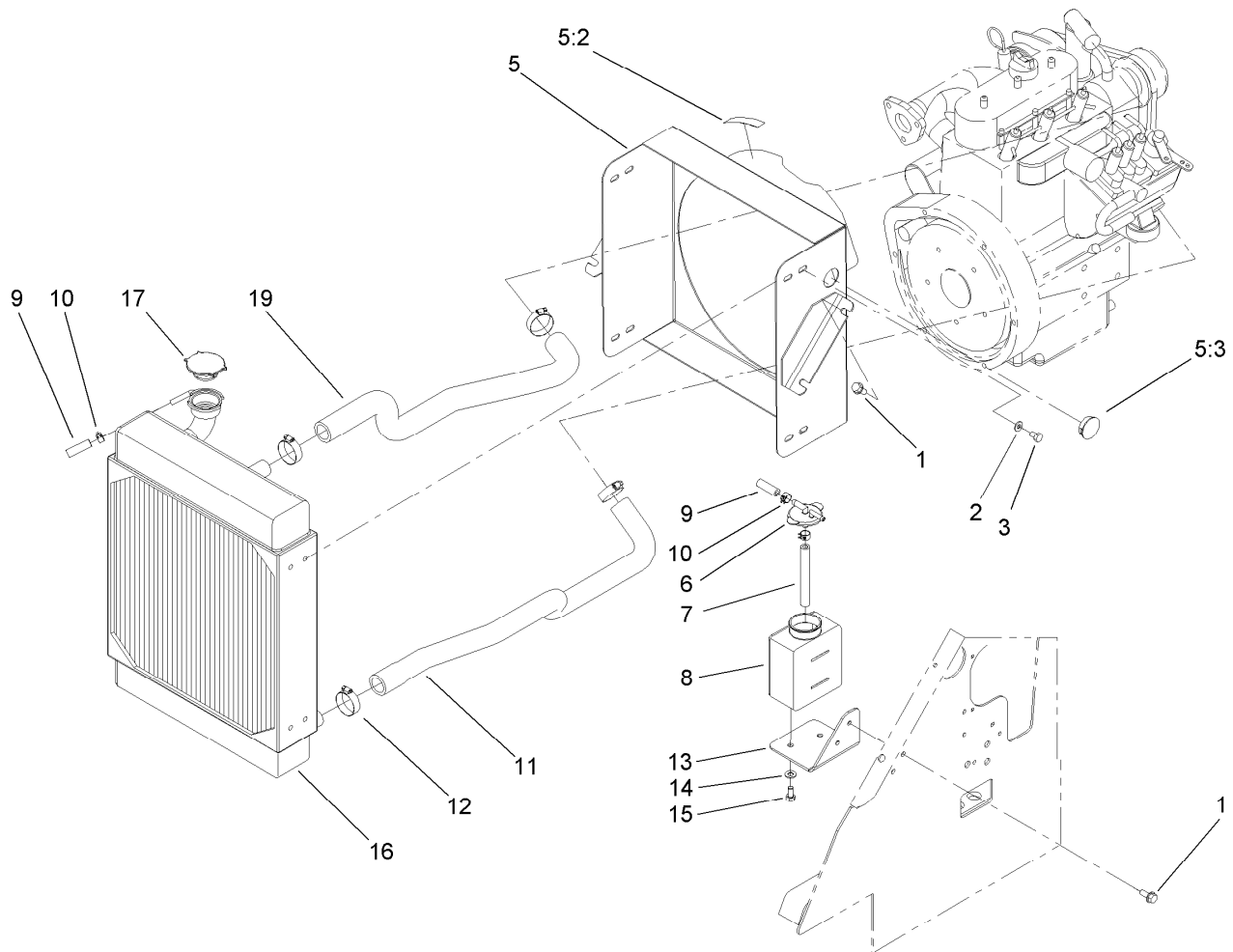
Fuel Tank and Air Filter Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	99-3160	1	Air Cleaner ASM	15:1	103-2615	2	Fitting-Fuel, Bulkhead
2	3296-29	3	Nut-Lock, NI	16	98-4656-03	1	Mount-Bottom, Tank
3	92-2379	8	Clamp-Hose	17	32144-70	2	Screw-HWHTF
4	63-7627	1	Hose-Fuel	18	353-781	1	Fitting-HYD, 90
5	321-6	2	Screw-HH	19	322-3	2	Screw-HH
6	47-2980	2	Hose-Fuel	20	99-5041	1	Hose-Cleaner, Air
8	304-96	1	Elbow	21	2412-92	2	Clamp-Hose
9	2412-87	1	Clamp-Cable	22	3230-2	2	Bolt-CARR
10	3296-42	4	Nut-Lock, NI	23	99-3080-03	1	Mount-Cleaner, Air
11	63-7650	1	Separator-Filter / Water	24	32128-20	2	Nut-HF
11:1	63-8280	1	Head ASM	25	3234-33	2	Screw-HHF
11:2	63-8290	1	Vent-Air	26	99-1422	1	Control-Throttle
11:3	63-8300	1	Element-Spin On	27	99-3498	1	Return-Line, Fuel
11:3:1	63-8310	1	Valve-Drain	28	2412-80	2	Clamp-Hose
12	104-7419	1	Cap-Fuel, Diesel	29	93-6680	1	Decal-Diesel
12:3	104-7420	1	Gasket-Vented	30	1-603770	1	Valve-Fuel
13	99-1444-03	1	Plate-Mount, Left	31	99-5101	1	Hose-Fuel
14	98-4657	1	Bolt-Mount	32	106-8150	1	Fitting-Straight
15	105-8438	1	LH Fuel Tank ASM				



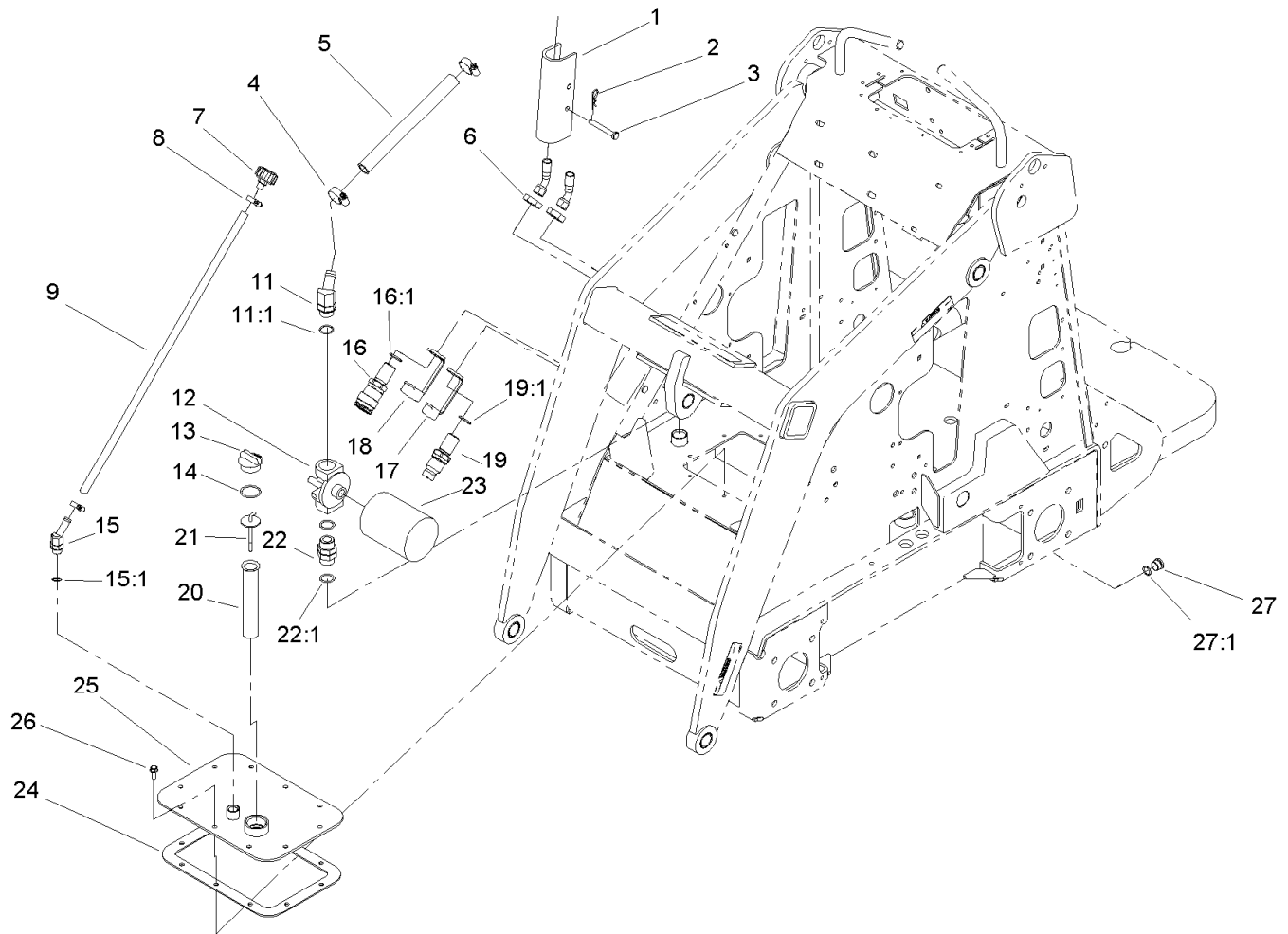
Air Cleaner Assembly No. 99-3160

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	99-3173	1	Element-Filter, Air
2	99-3174	2	Clip-Cleaner, Air
3	99-3175	1	Valve-Ejector, Dust
4	99-3176	1	Cover
5	99-3183	1	Tube ASM
6	99-3184	1	Housing
7	99-3198	1	Filter-Safety
8	99-3197	1	Mounting Bracket ASM



Radiator Mount Assembly

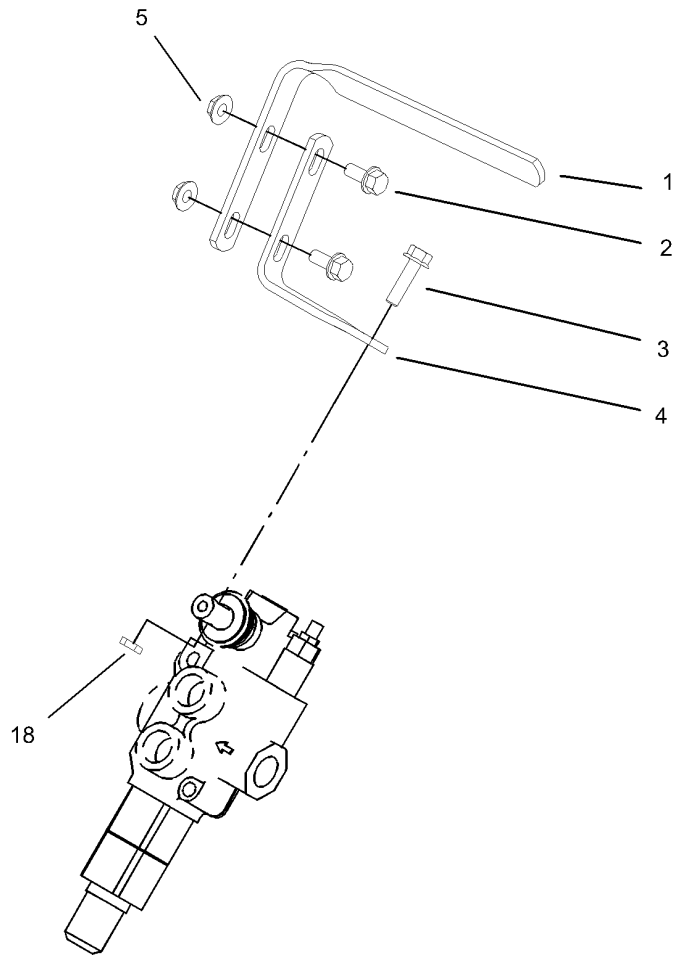
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	32144-70	6	Screw-HWHTF
2	3256-82	8	Washer-Flat
3	322-1	8	Screw-HH
5	104-4648	1	Mount-Radiator
5:2	93-6681	1	Decal-Warning, Fan
5:3	94-1402	1	Plug-Hole
6	93-2048	1	Cap-Tank, Overflow
7	94-1348	1	Hose-Fuel
8	93-2049	1	Tank-Overflow
9	71-3383	1	Hose-Fuel
10	92-2379	3	Clamp-Hose
11	99-5042	1	Hose-Radiator, Lower
12	2412-34	4	Clamp-Hose
13	99-1446-01	1	Mount-Tank, Overflow
14	3256-23	2	Washer-Plain
15	99-5132	2	Bolt
16	99-5125	1	Radiator
17	66-3240	1	Cap-Radiator
19	99-5043	1	Hose-Radiator, Upper



Hydraulic Tank and Filter Assembly

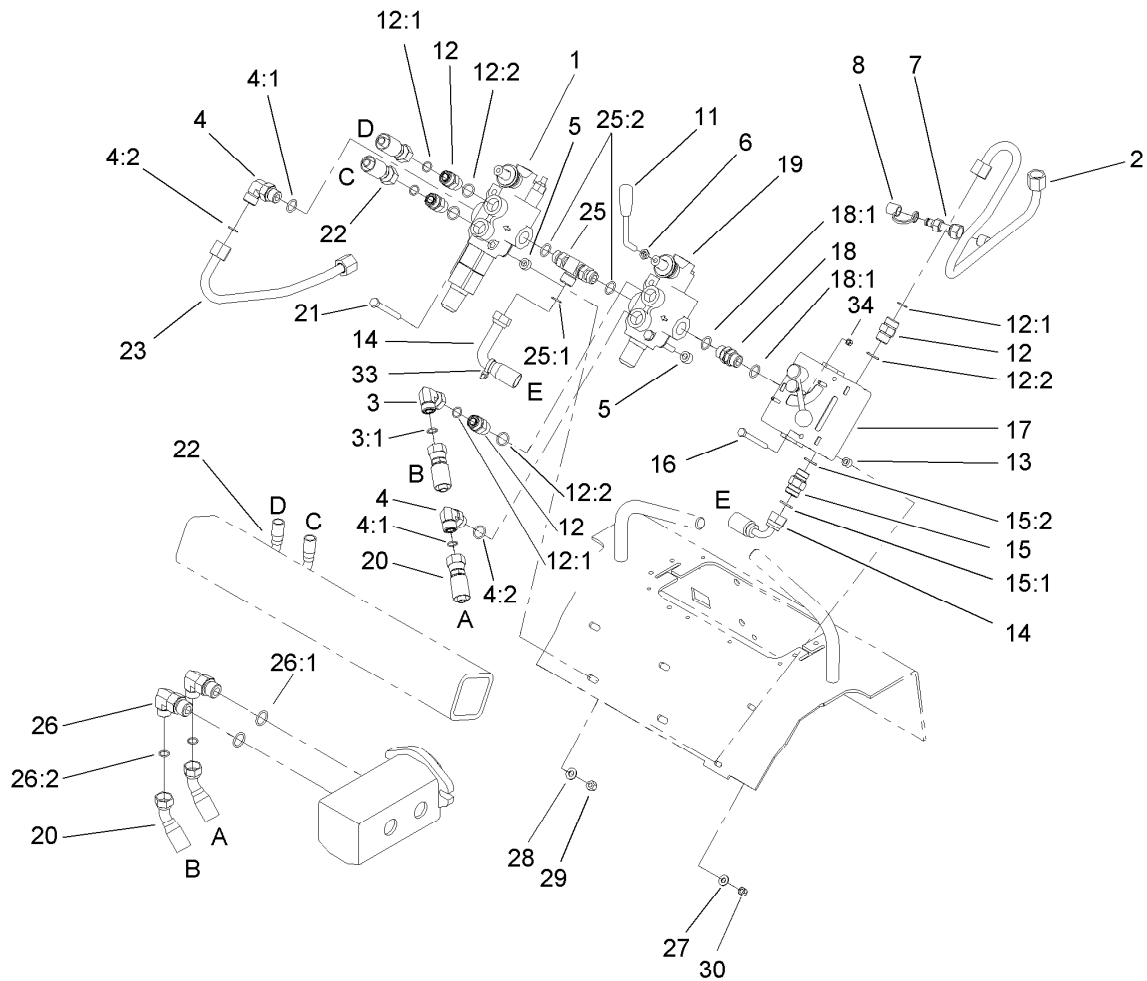
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	98-4675-01	2	Lock-Cylinder	16:1	237-65	1	O-Ring
2	3290-467	2	Pin-Hair	16:2	105-8396	1	Seal Kit ●
3	283-52	2	Pin-Clevis	17	100-8815	1	Cap-Dust, Nipple
4	2412-129	2	Clamp-Hose	18	100-8816	1	Cap-Dust, Coupler
5	98-4745	1	Hose-HYD, Suction, Hi	19	105-8395	1	Bulkhead Nipple ASM
6	340-74	2	Nut-Lock, Bulkhead	19:1	237-65	1	O-Ring
7	68-6150	1	Breather	19:2	100-6120	1	Seal Kit ●
8	2412-36	2	Clamp-Hose	20	61-2790	1	Filter-Screen
9	100-1748	1	Hose-Vent	21	100-2097	1	Dipstick-Oil
11	354-127	1	Fitting-Elbow45	22	98-9906	1	Fitting-Thread, Straight
11:1	237-81	1	O-Ring	22:1	237-81	2	O-Ring
12	92-5821	1	Head-Filter	23	54-0110	1	Filter-Oil, Transmission
13	93-7498	1	Plug-Plastic	24	98-9927	1	Gasket-Cover
14	237-123	1	O-Ring	25	100-1713-01	1	Cover
15	354-126	1	Fitting-Elbow, 45	26	98-9940	10	Screw-HHF
15:1	237-79	1	O-Ring	27	353-988	1	Plug-Hex
16	105-8394	1	Bulkhead Coupler ASM	27:1	237-79	1	O-Ring

● Not illustrated



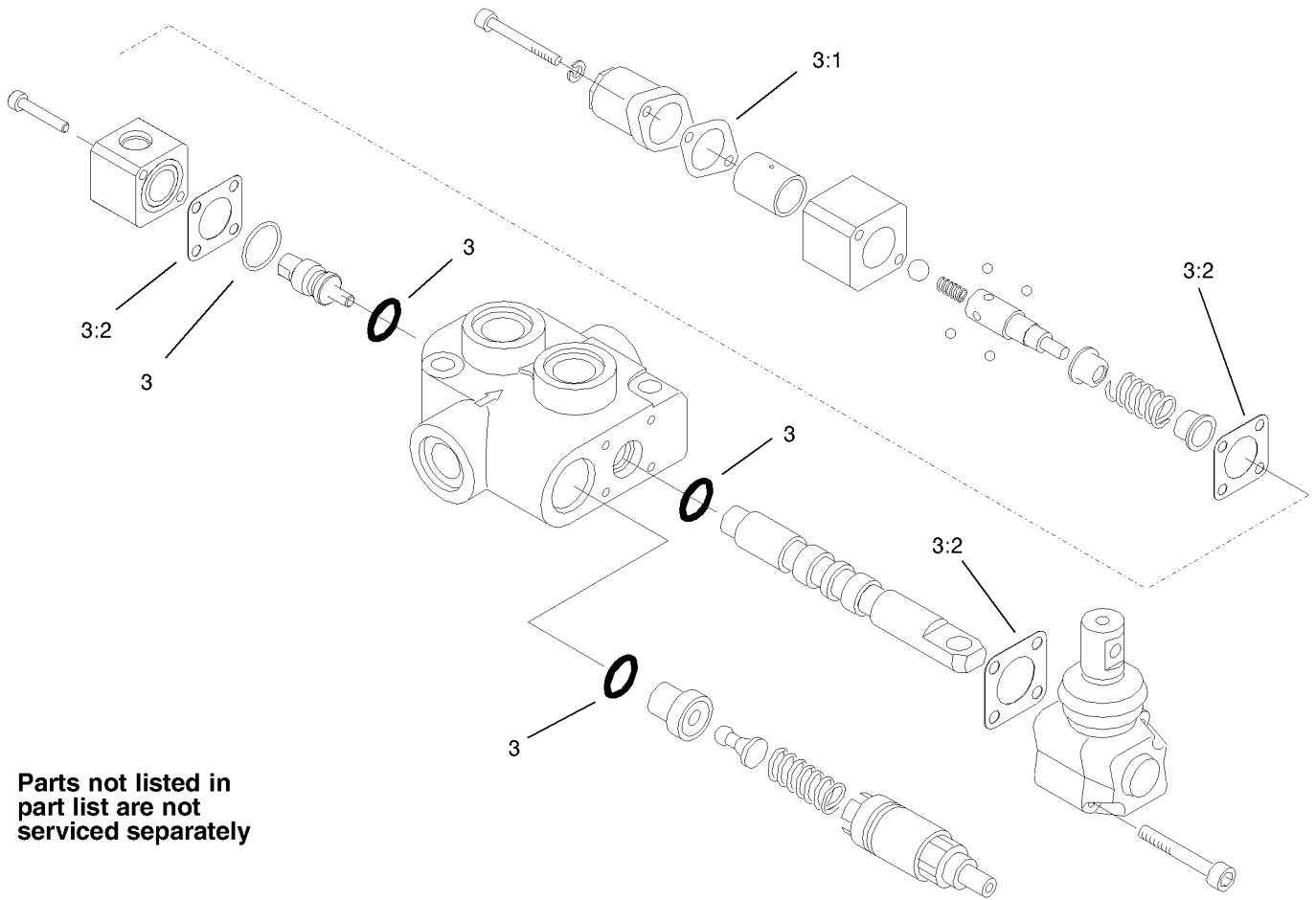
Auxiliary Control Lever Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-9090	1	Grip-Control
2	3234-5	2	Screw-HHF
3	33104-030	1	Screw-HHF
4	99-1376	1	Mount-Control
5	32128-44	2	Nut
18	42-9580	1	Nut-Hex



Hydraulic Valve Assembly

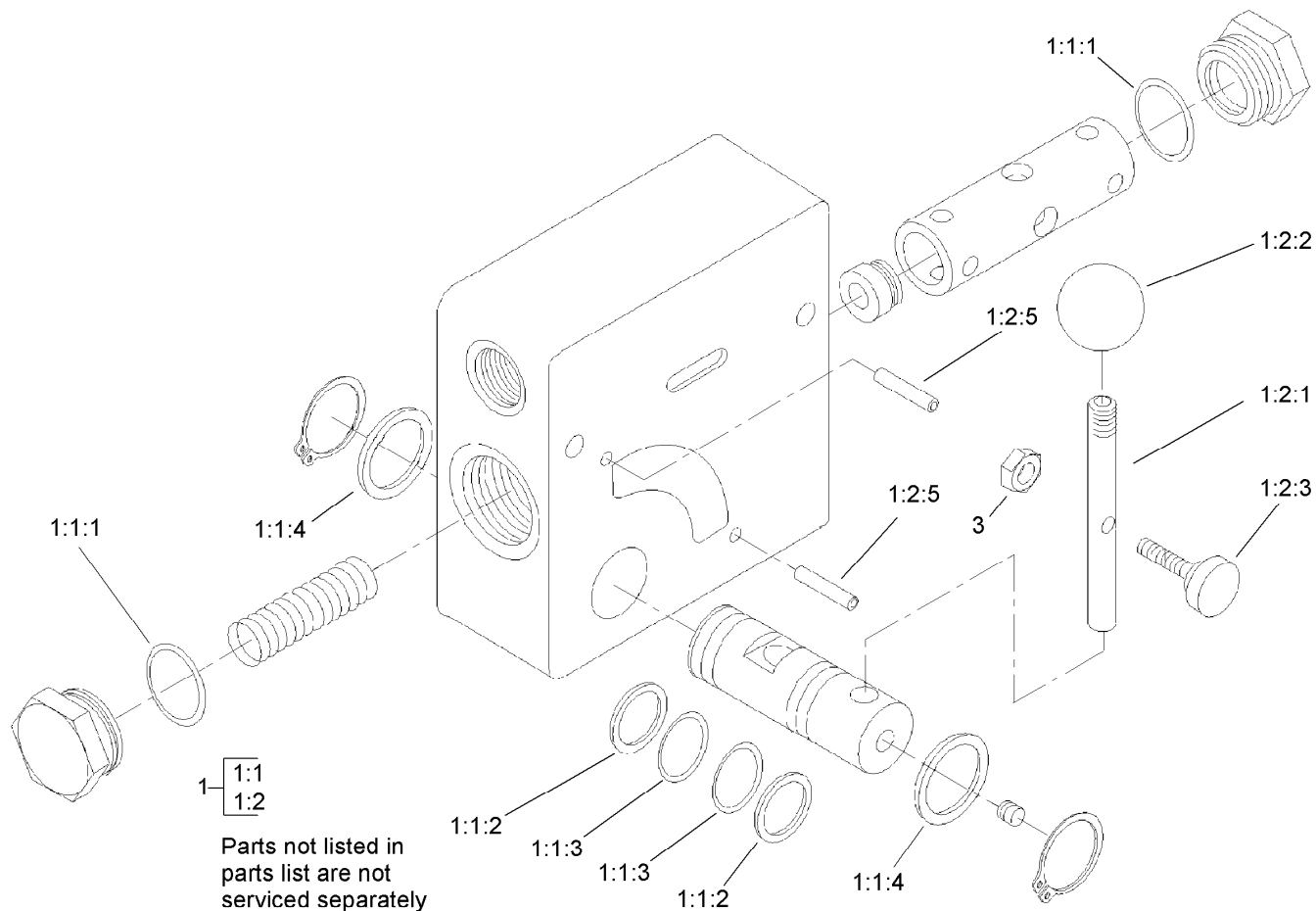
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	99-3077	1	Valve-HYD, Auxiliary	17	104-4221	1	HYD Valve Kit
2	105-7878	1	Tube-HYD	18	95-3209	1	Fitting-Thread, Straight
3	94-6031	1	Elbow-90	18:1	237-79	2	O-Ring
3:1	237-30	1	O-Ring	19	99-3072	1	Valve-Selector, HYD
4	340-98	2	Fitting-Elbow, 90 DEG	20	100-1730	2	Hose-Pump, HYD
4:1	237-79	1	O-Ring	21	322-13	4	Screw-HH
4:2	237-30	1	O-Ring	22	100-8817	2	Hose-HYD
5	98-4695	4	Spacer	23	105-7879	1	Tube-HYD
6	42-9580	1	Nut-Hex	25	98-9079	1	Adapter-Tee, Adjustable
7	86-5480	1	Nipple-Test	25:1	237-30	1	O-Ring
8	354-79	1	Cap-Dust	25:2	237-79	2	O-Ring
11	98-4729	1	Lever-Valve	26	340-105	2	Fitting-Elbow, 90 DEG
12	340-4	4	Fitting-Straight	26:1	237-80	1	O-Ring
12:1	237-30	1	O-Ring	26:2	237-30	1	O-Ring
12:2	237-79	1	O-Ring	27	3256-22	2	Washer-Flat
13	98-4799	2	Spacer	28	3256-23	4	Washer-Plain
14	100-2245	1	Hose-HYD	29	3296-29	4	Nut-Lock, NI
15	98-4735	1	Valve-Check, HYD	30	3296-42	2	Nut-Lock, NI
15:1	237-30	1	O-Ring	33	3290-379	18	Tie-Cable
15:2	237-79	1	O-Ring	34	3296-27	1	Nut-Lock, NI
16	321-14	2	Screw-HH				



Parts not listed in
part list are not
serviced separately

Hydraulic Valve Assembly No. 99 3077

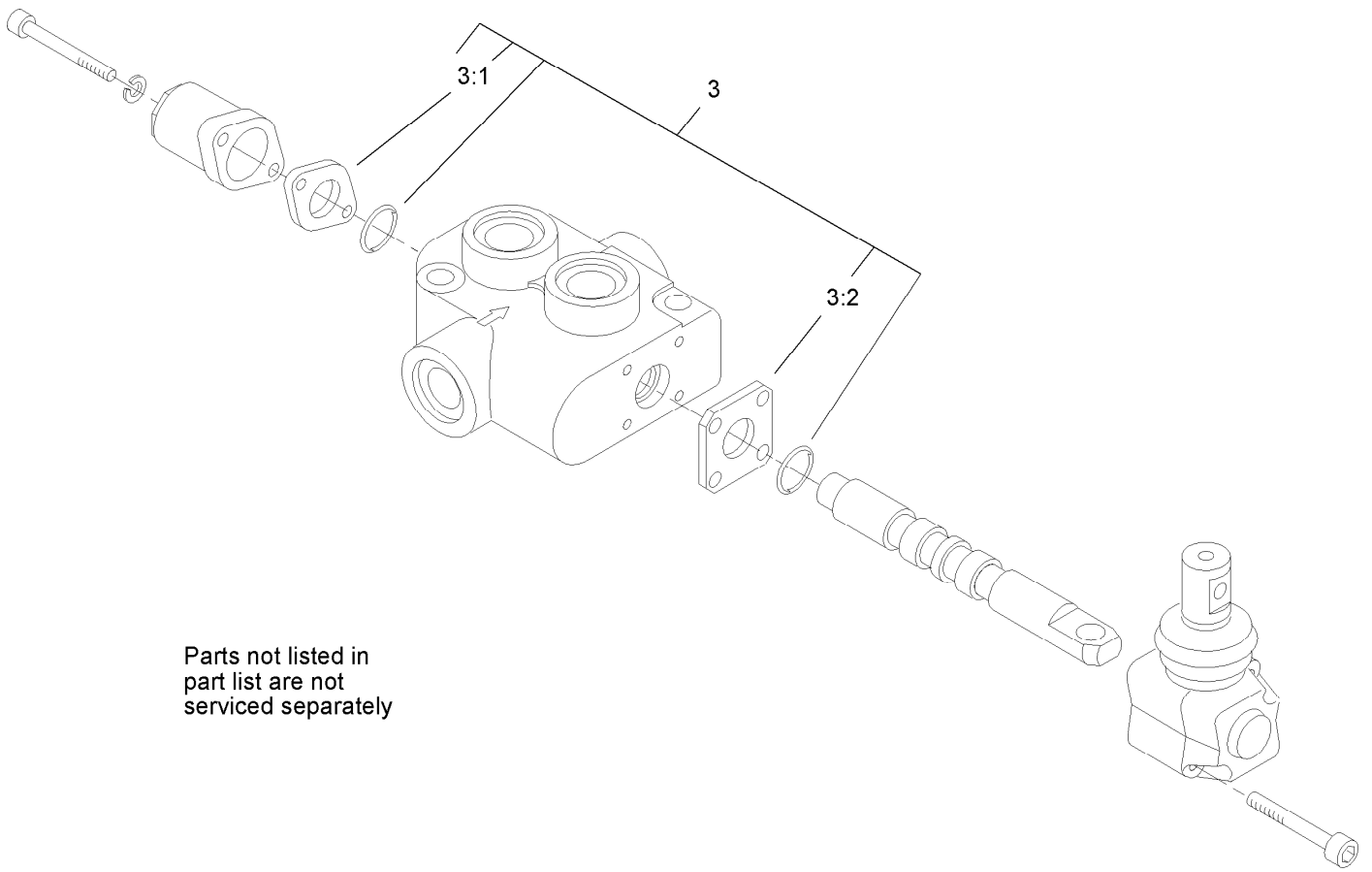
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	99-4391	1	Seal Kit
3:1	99-3074	1	Gasket
3:2	99-3075	3	Gasket



Hydraulic Valve Assembly No. 104-4221

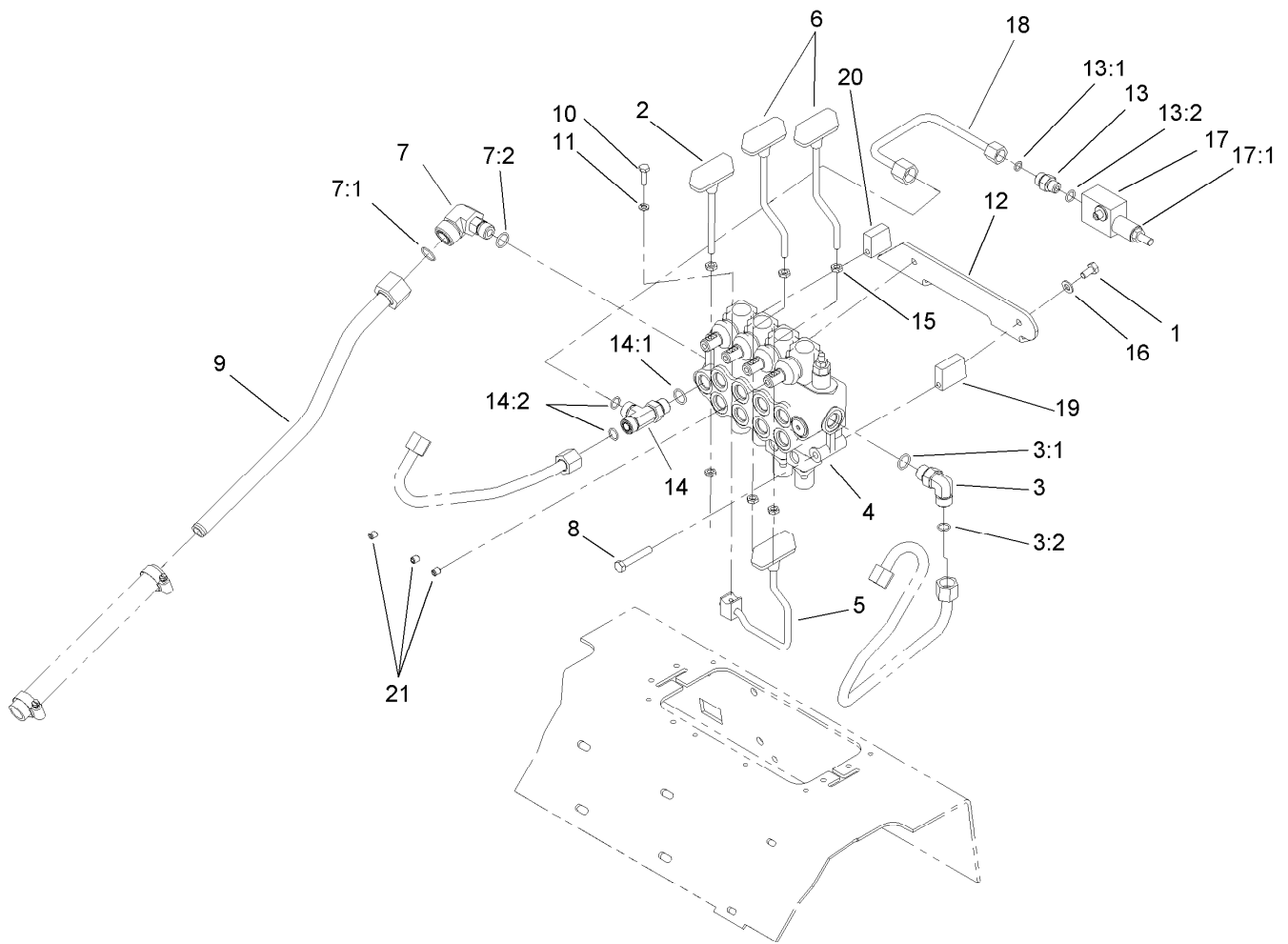
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1		1	Valve-Flow, Hydraulic ●
1:1	104-4231	1	Seal Kit
1:1:1		2	Seal-Dust ●
1:1:2		2	Back-Up ●
1:1:3		2	Seal-Dust ●
1:1:4		2	Quad Ring ●
1:2	98-9098	1	Handle Hardware Kit
1:2:1		1	Handle ●
1:2:2		1	Knob ●
1:2:3		1	Screw-Thumb ●
1:2:5		2	Pin-Roll ●
3	3296-27	1	Nut-Lock, NI

● Not serviced separately



Hydraulic Valve Assembly No. 99-3072

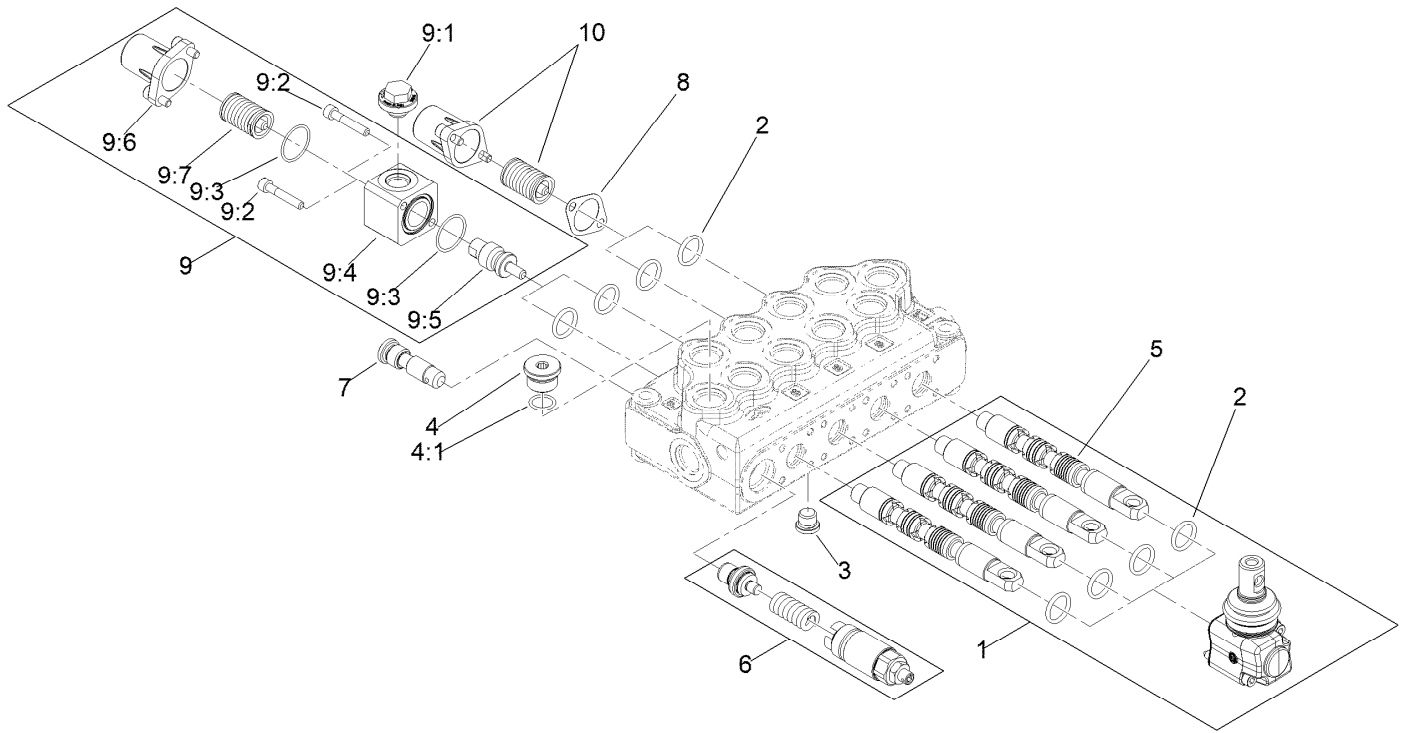
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
3	99-4391	1	Seal Kit
3:1	99-3074	1	Gasket
3:2	99-3075	3	Gasket



4-Spool Valve Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	322-2	3	Screw-HH	13	340-2	1	Fitting-Straight
2	105-7881	1	Lever-Cylinder	13:1	237-22	1	O-Ring
3	340-98	1	Fitting-Elbow, 90 DEG	13:2	237-42	1	O-Ring
3:1	237-79	1	O-Ring	14	340-109	1	Fitting-Tee
3:2	237-30	1	O-Ring	14:1	237-79	1	O-Ring
4	105-8377	1	HYD Four Spool Valve ASM	14:2	237-30	2	O-Ring
5	106-8165	1	Lever-Control	15	42-9580	6	Nut-Hex
6	104-5733	2	Lever-Drive	16	3256-23	3	Washer-Plain
7	92-5696	1	Fitting-Elbow, 90 DEG	17	105-7882	1	Relief Valve ASM
7:1	237-58	1	O-Ring	17:1	105-8358	1	Cartridge-Valve, Relief
7:2	237-79	1	O-Ring	17:2	105-8357	1	Seal Kit ●
8	322-11	3	Screw-HH	18	105-7866	1	Line-HYD
9	106-8177	1	Tube-Tank, HYD	19	105-8354	2	Spacer-Lower V
10	321-5	1	Screw-HH	20	105-7870	1	Spacer-Upper V
11	3253-3	1	Washer-Lock	21	105-4068	3	Screw-Set, HSH
12	104-4222-03	1	Bracket-Cover, Mount				

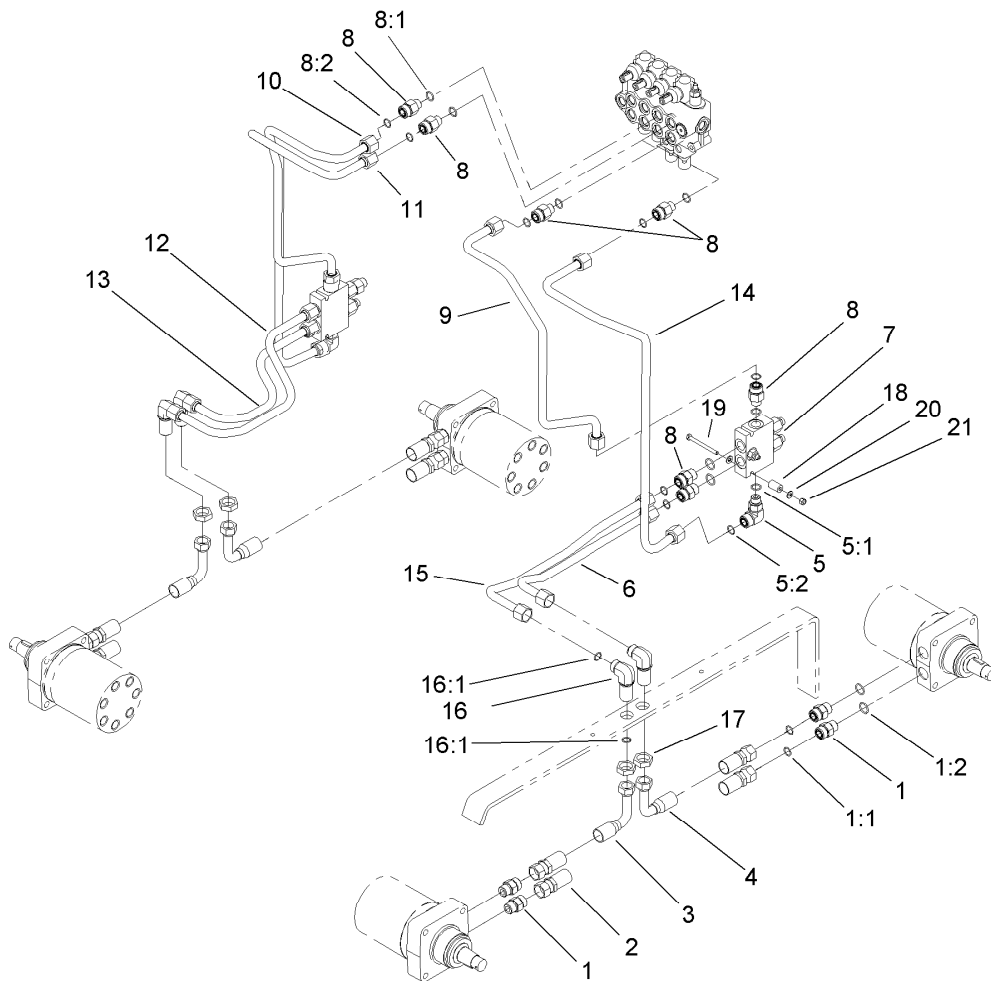
● Not illustrated



Four Spool Hydraulic Valve Assembly No. 105-8377

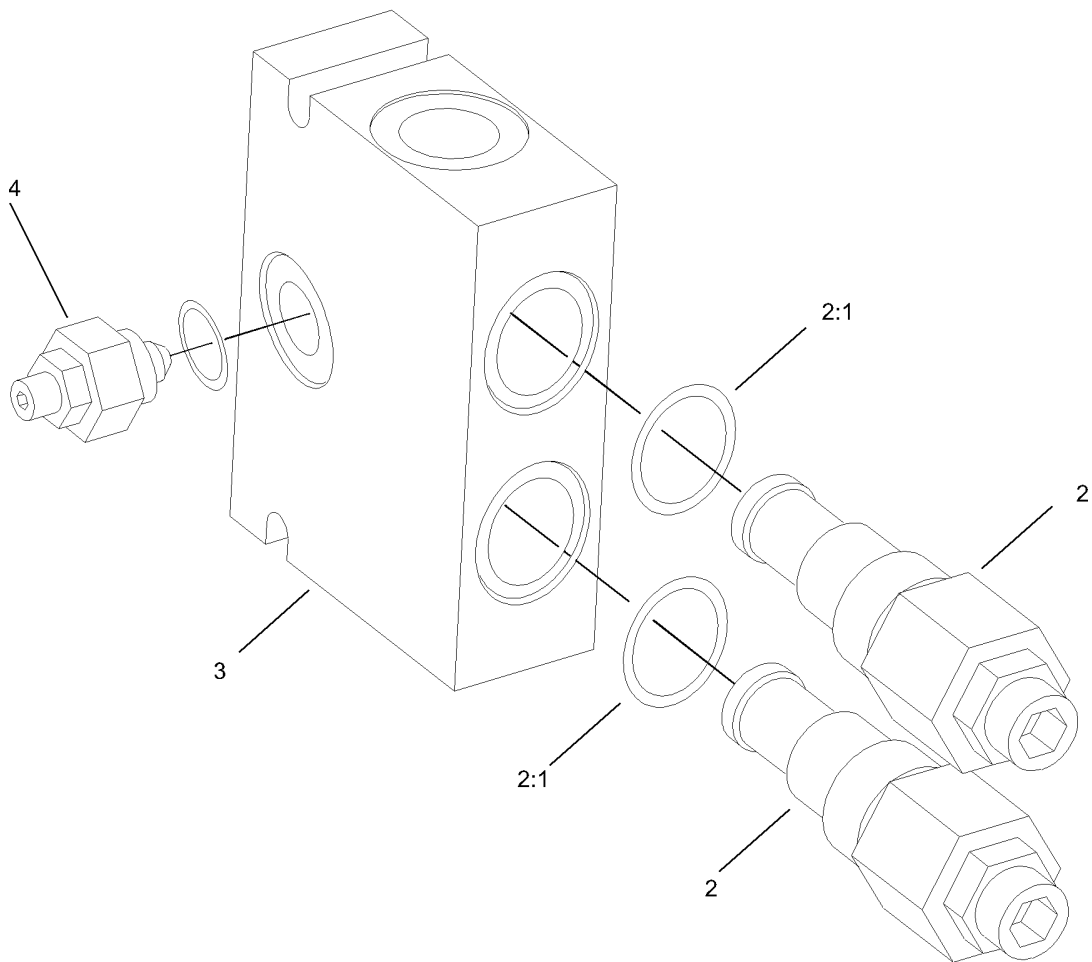
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	139-8891	4	Lsg/S5 Lever Kit With Screws	9	139-8887	2	S5 Command Kit
2	139-8886	8	O-Ring Seal, 70 Sh	9:1		1	Plug ●
3	139-8884	1	SAE 4 Plug	9:2		2	Screw ●
4	353-988	1	Plug-Hex	9:3		2	Oring ●
4:1	237-79	1	O-Ring	9:4		1	Block ●
5	105-8441	4	Spool-Valve	9:5		1	Pin ●
6	139-8890	1	Vmd5 (Jn) Inlet Part	9:6		1	End Cap ●
7	139-8880	1	Kit-Valve Body	9:7		1	Spring ●
8	99-3074	2	Gasket	10	161-1080	2	S5 End Cap Kit

● Not serviced separately



Hydraulic Motor Assembly

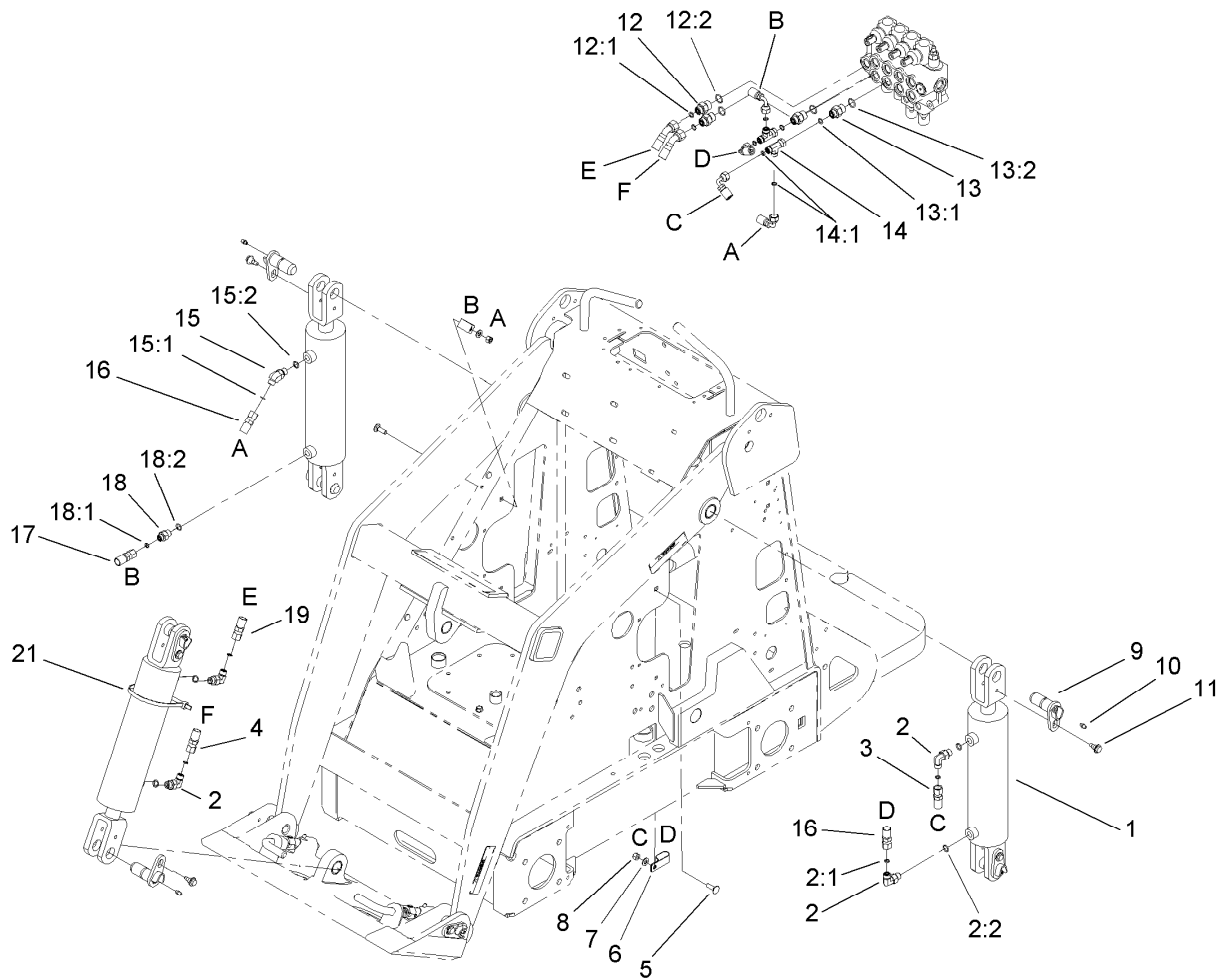
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	340-7	8	Fitting-Straight	9	105-7898	1	Line-Hydraulic (Left B)
1:1	237-65	1	O-Ring	10	105-7899	1	Line-Hydraulic (Right B)
1:2	237-80	1	O-Ring	11	105-7897	1	Line-Hydraulic (Right A)
2	99-3012	2	Hose-HYD	12	99-3025	1	Tube-HYD
3	99-3010	2	Hose-HYD	13	99-3028	1	Tube-HYD
4	99-3011	2	Hose-HYD	14	105-7896	1	Line-Hydraulic (Left A)
5	340-153	2	Fitting-Elbow, 90 DEG	15	99-3026	1	Tube-HYD
5:1	237-79	1	O-Ring	16	340-72	4	Fitting-Bulkhead, 90 DEG
5:2	237-151	1	O-Ring	16:1	237-65	2	O-Ring
6	99-3022	1	Tube-HYD	17	340-74	4	Nut-Lock, Bulkhead
7	99-3040	2	HYD Counterbalance Valve ASM	18	99-3057	2	Spacer-Valve
8	340-155	10	Fitting-Straight	19	321-23	2	Screw-HH
8:1	237-79	1	O-Ring	20	3256-22	4	Washer-Flat
8:2	237-151	1	O-Ring	21	3296-42	2	Nut-Lock, NI



Counterbalance Valve Assembly No. 99-3040

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

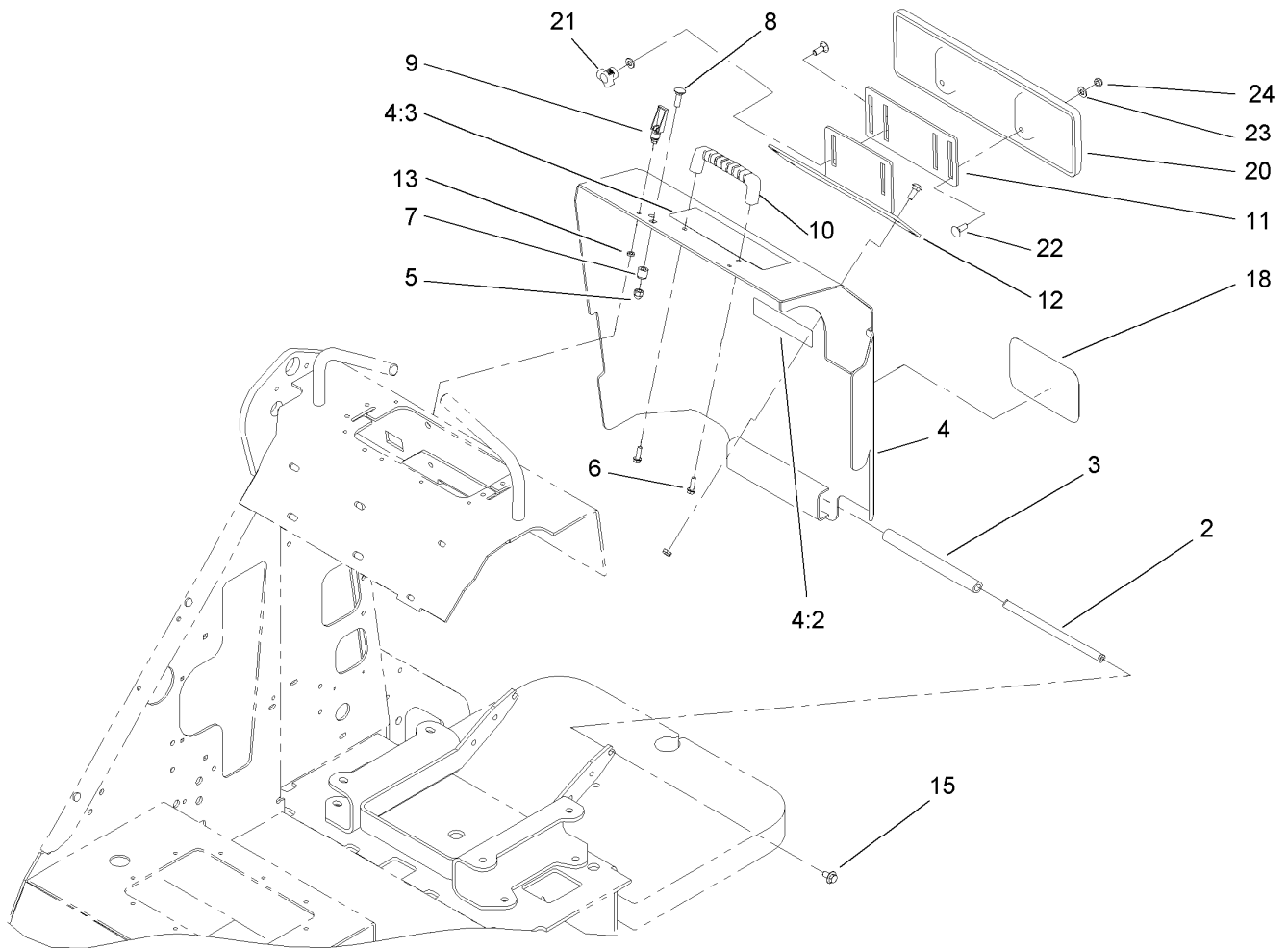
● Not illustrated



Hydraulic Cylinder Assembly

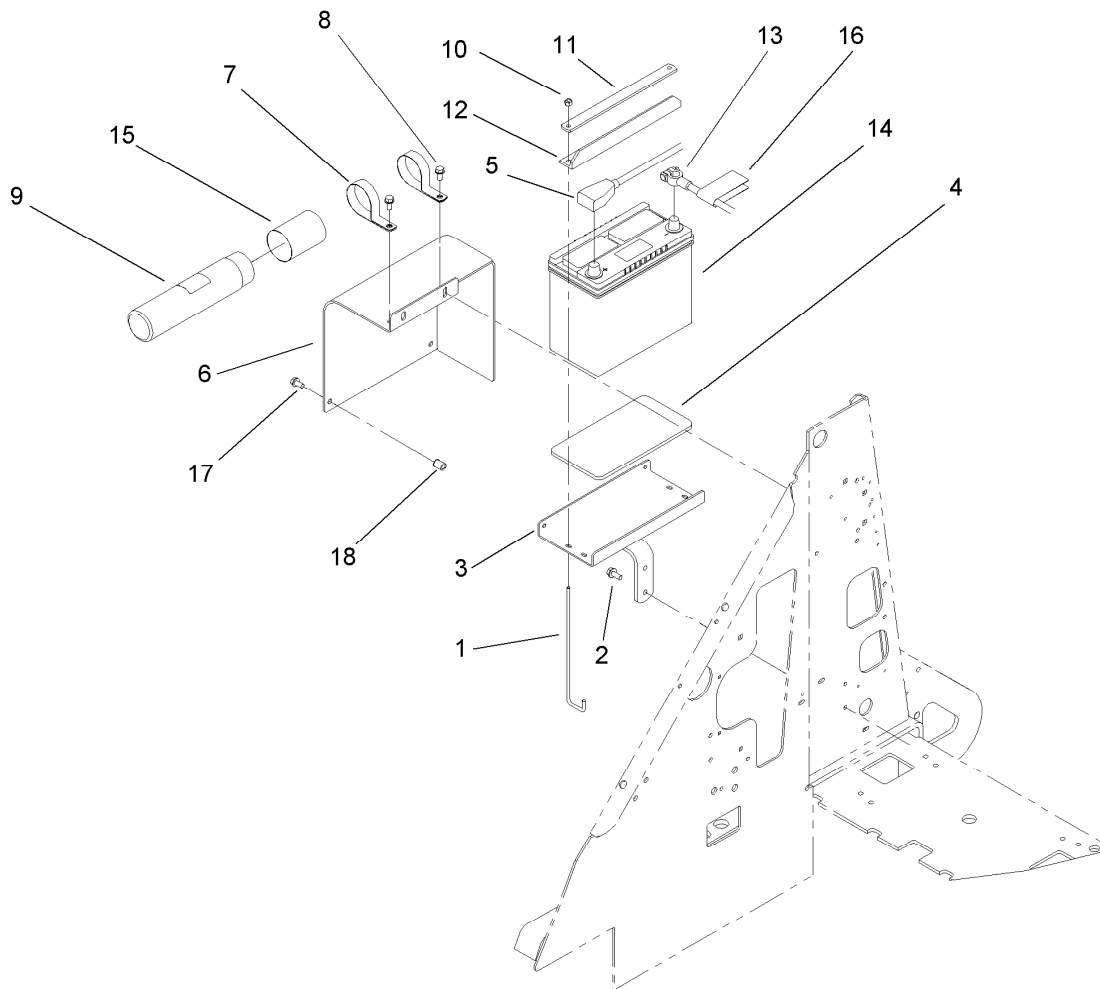
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	105-7867	3	HYD Cylinder ASM	12:2	237-79	1	O-Ring
1:1	105-8356	1	Seal Kit ●	13	340-133	2	Fitting-STR
2	340-82	4	Fitting-Elbow, 90 DEG	13:1	237-79	1	O-Ring
2:1	237-42	1	O-Ring	13:2	237-21	1	O-Ring
2:2	237-21	1	O-Ring	14	340-151	2	Fitting-Tee
3	98-4748	1	HYD Hose ASM	14:1	237-75	3	O-Ring
4	98-4726	1	Hose-HYD	15	340-137	1	Fitting
5	3230-2	2	Bolt-CARR	15:1	237-21	1	O-Ring
6	2412-137	2	Clamp-R, Double	15:2	237-42	1	O-Ring
7	3256-23	2	Washer-Plain	16	98-4725	2	Hose-HYD
8	3296-29	2	Nut-Lock, NI	17	100-1731	1	Hose-HYD, Right
9	99-1414	6	Pin-Pivot	18	340-1	1	Fitting-Straight
10	302-5	6	Fitting-Grease	18:1	237-21	1	O-Ring
11	99-5105	6	Screw-Shoulder	18:2	237-42	1	O-Ring
12	340-3	2	Fitting-Straight	19	98-4727	1	Hose-HYD
12:1	237-22	1	O-Ring	21	3334-945	1	Tie-Cable

● Not illustrated



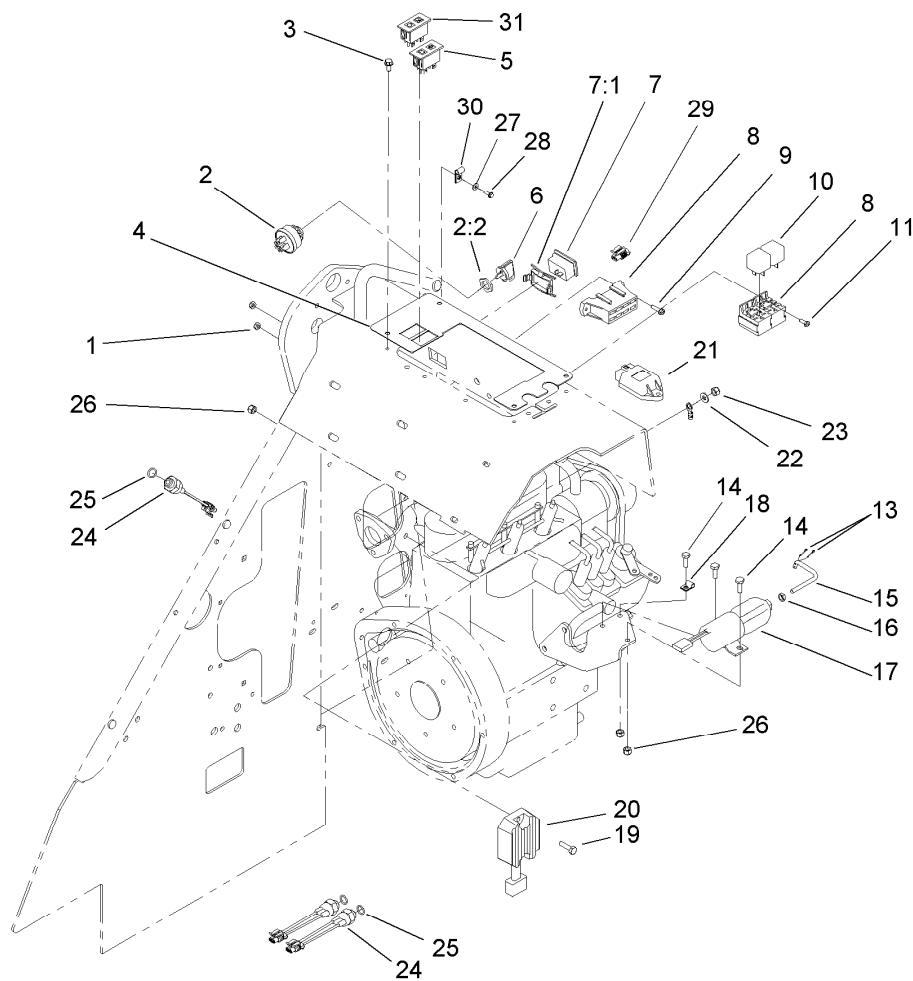
Rear Cover Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	99-3083	1	Bar-Hinge
3	99-3085	1	Hose-Hinge
4	104-9450	1	Cover ASM
4:2	93-7814	1	Decal-Danger
4:3	98-9051	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
15	3234-7	2	Screw-HHF
18	93-7340	1	Decal
20	105-0333	1	Support-Thigh
21	104-6156	2	Knob-Adjustment
22	3230-16	8	Screw-CARR
23	3256-70	4	Washer-Flat
24	3296-72	6	Nut-Lock, NI



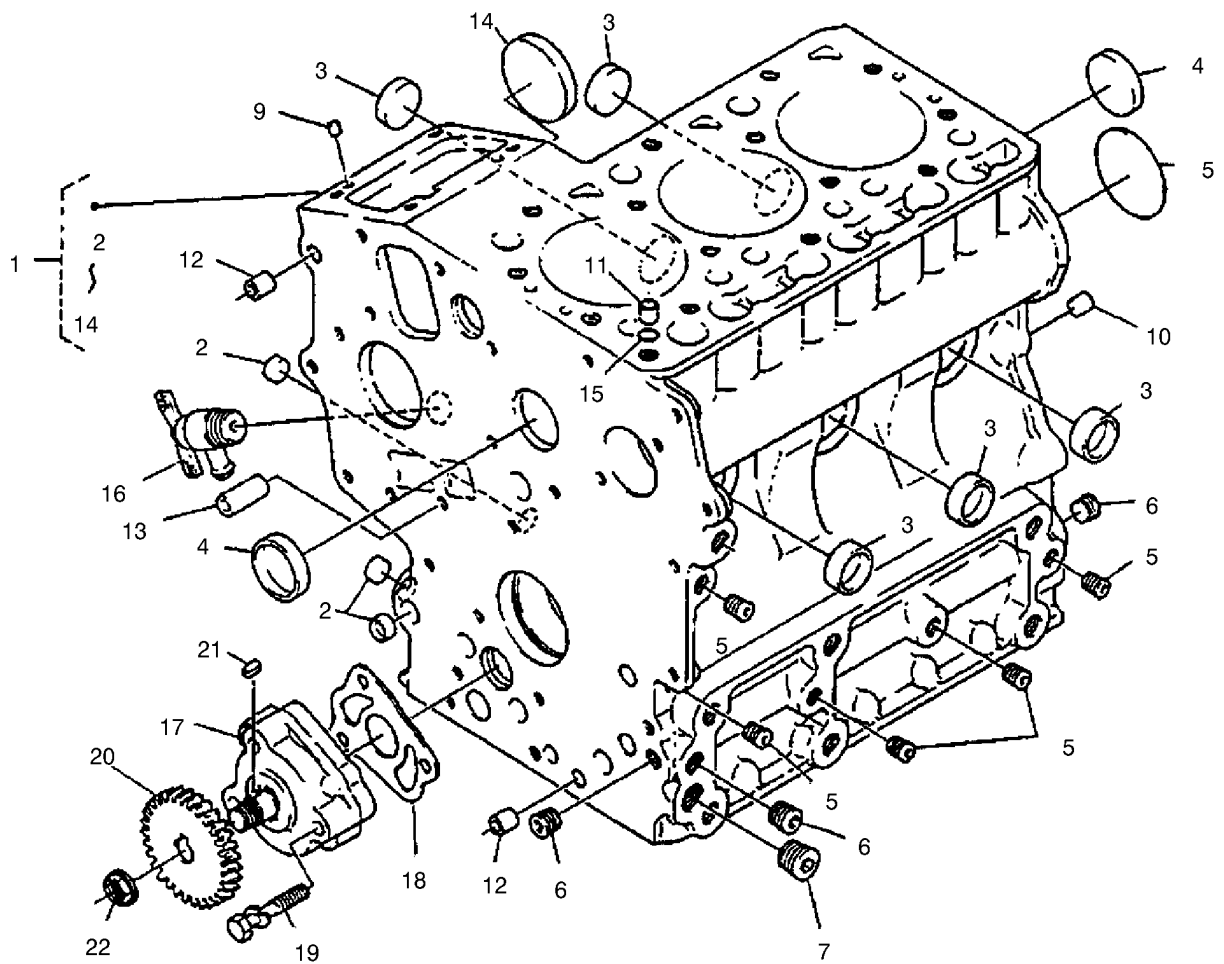
Battery Mount Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
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	99-1441	1	Battery
15	104-7048	1	Cap-Housing
16	107-9309	1	Decal-Instructions, Charging
17	3234-29	2	Screw-HHF
18	32148-7	2	Nut-Clinch



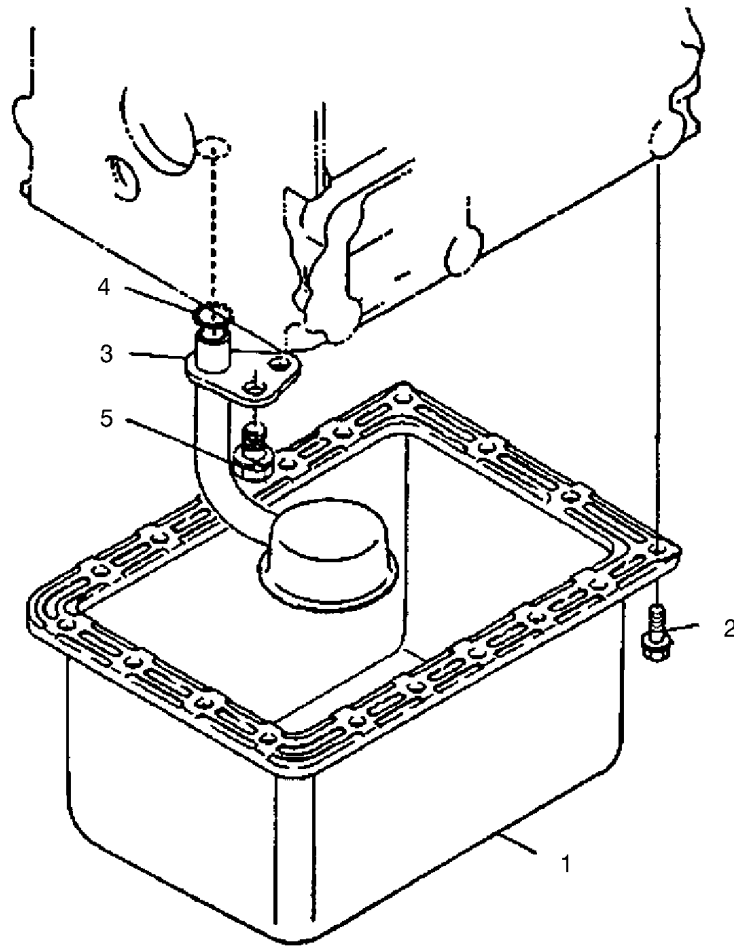
Electrical Component Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3296-12	4	Nut-Lock, NI	16	3220-1	1	Nut-Jam
2	88-9830	1	Key Switch ASM	17	99-5006	1	Solenoid
2:2	218-461	1	Nut-HH	18	2412-31	1	Clamp-Boden
3	32144-4	4	Screw-HWH	19	321-6	3	Screw-HH
4	105-8351-03	1	Plate-Cover	20	100-2057	1	Regulator ASM
5	100-8070	1	Lamp-Warning	21	98-7611	1	Controller-Glow
6	63-8360	2	Key-Ignition	22	100-2215	1	Washer-Spring
7	104-7429	1	Hour Meter ASM	23	100-2171	1	Nut-Hex
7:1	104-4234	1	Clip-Mounting	24	72-4310	3	Switch-Ball
8	105-4069	1	Harness-Wire	25	237-42	3	O-Ring
9	32105-13	2	Screw-HWH	26	3296-42	6	Nut-Lock, NI
10	98-7249	2	Relay	27	3256-21	1	Washer-Flat
11	32105-8	1	Screw-SHH	28	32144-87	1	Screw-HWHTF
13	3272-1	2	Pin-Cotter	29	99-1433	2	Connector-Female
14	321-4	3	Screw-HH	30	2412-72	1	Clip-Closed, Insulated
15	105-6243	1	Rod-Linkage	31	100-8071	1	Lamp-Warning



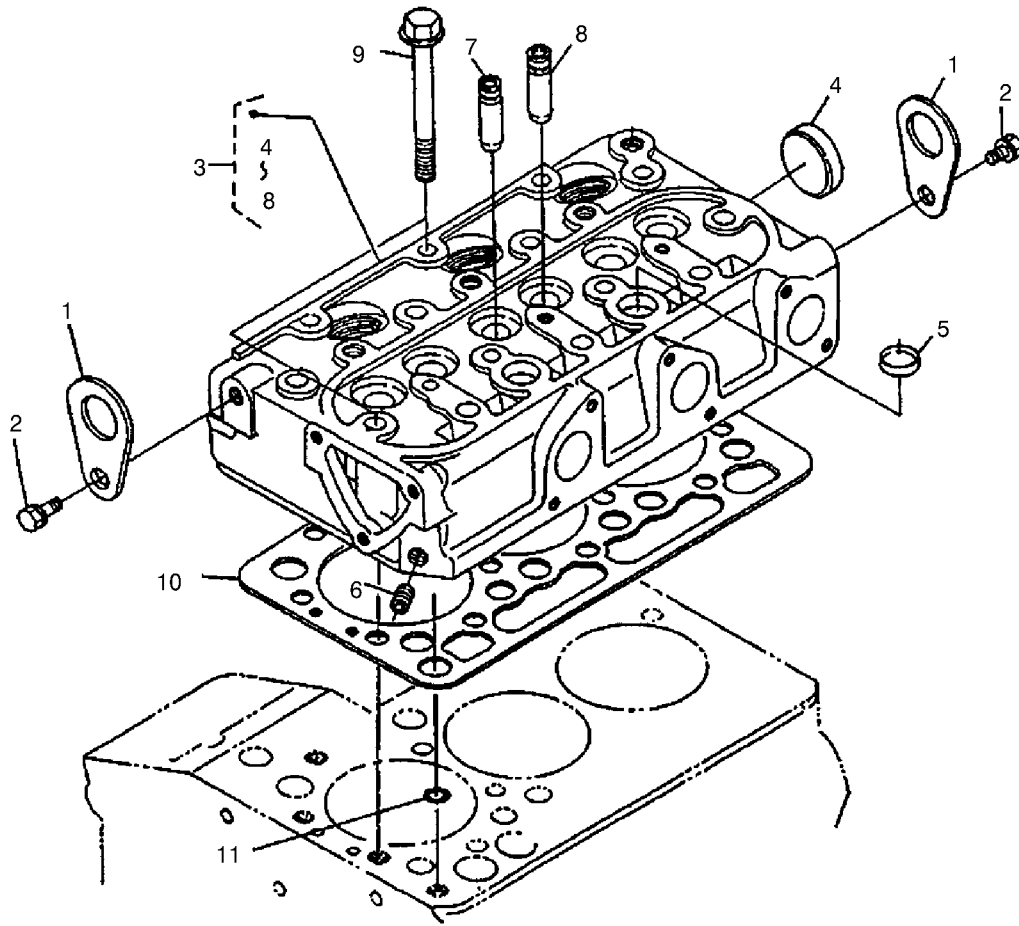
Crankcase Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2167	1	Crankcase-Comp.
2	100-2019	3	Cap-Sealing
3	100-2020	5	Cap-Sealing
4	98-9398	2	Cap-Sealing
5	98-7540	5	Plug
6	98-7487	3	Plug
7	98-7488	1	Plug
8	100-1851	1	Plug-Expansion
9	98-9375	2	Pin-Straight
10	98-9377	2	Pin-Straight
11	98-7506	1	Pin-Pipe
12	98-9387	2	Pin-Pipe
13	100-2051	2	Pin-Pipe
14	100-1991	1	Cover-Fuel, Camshaft
15	98-7509	1	O-Ring
16	98-9436	1	Drain Cock ASM
17	100-2002	1	Oil Pump ASM
18	100-2003	1	Gasket-Pump, Oil
19	100-1923	3	Bolt
20	100-1893	1	Gear-Drive, Oil Pump
21	98-7658	1	Key-Feather
22	100-1779	1	Nut-Flange



Oil Pan Assembly

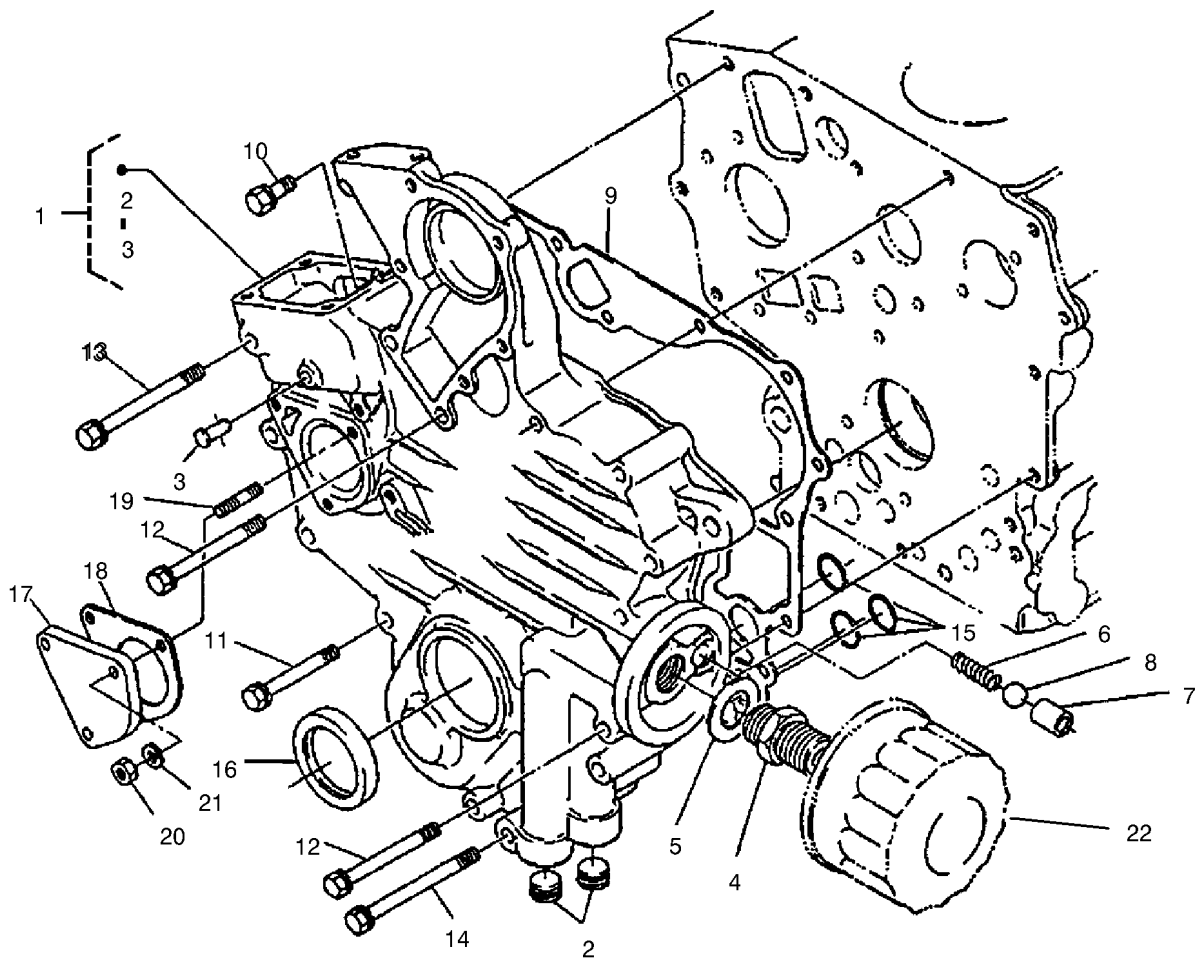
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2239	1	Pan-Oil
2	98-9350	18	Bolt
3	100-2001	1	Strainer-Pickup, Oil
4	105-3776	1	O-Ring
5	98-7585	1	Bolt



Cylinder Head Assembly

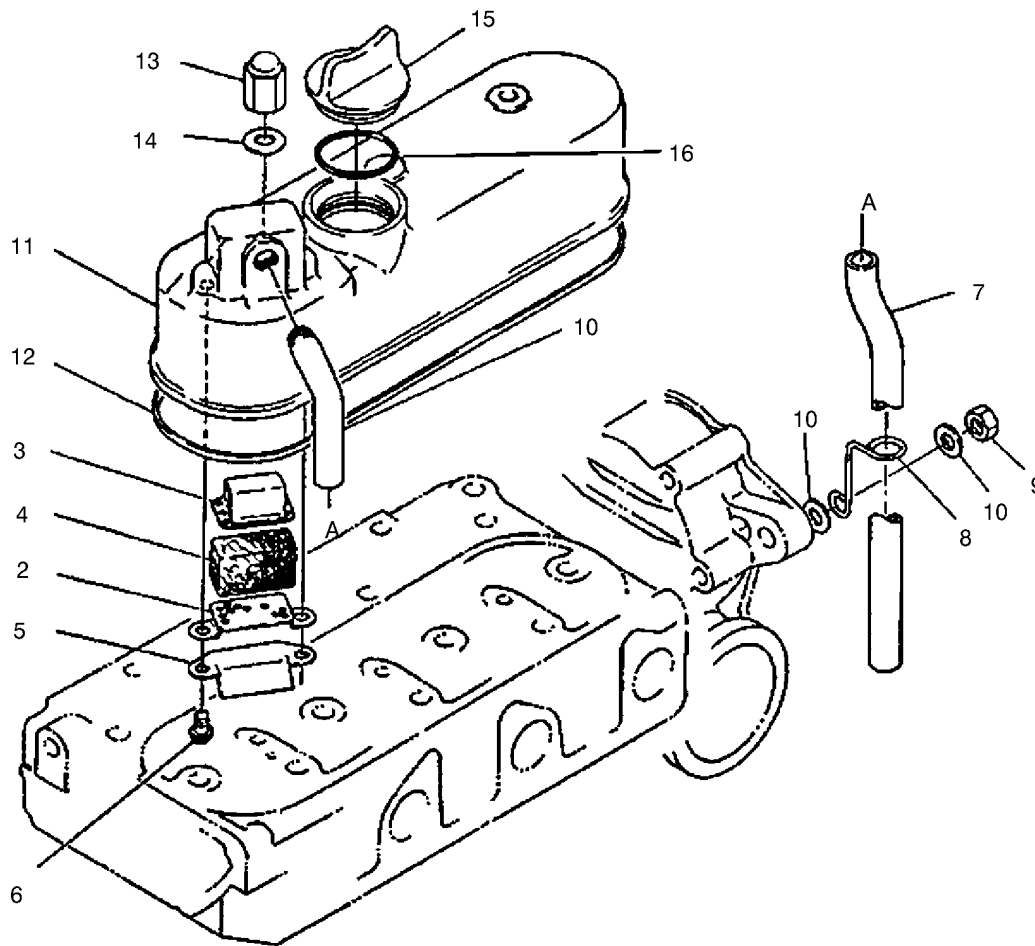
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	98-7531	2	Hook-Engine
2	98-7526	2	Bolt
3	100-2246	1	Head-Cylinder, Comp.
4	98-9395	1	*obs* Cap-Sealing
5	98-9389	2	Cap-Sealing
6	98-7540	1	Plug
7	100-1882	3	Guide-Valve, Inlet
8	100-1883	3	Guide-Valve, Exhaust
9	100-1820	14	Bolt-Head, Cylinder
10	100-2043	1	Gasket-Head, Cylinder
11	98-7509	1	O-Ring
99	98-2651	1	Heater-Head, Cylinder ●

● Not illustrated



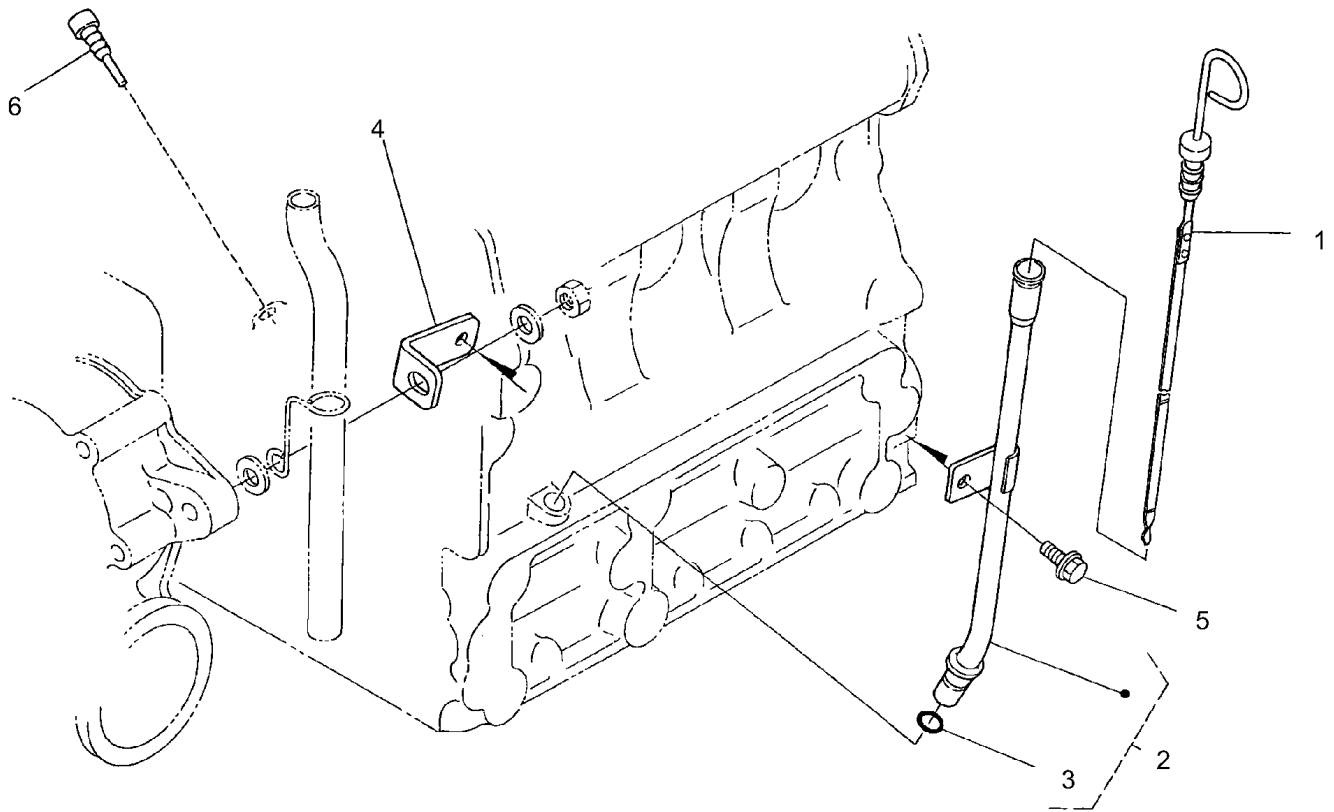
Gear Case Asembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2048	1	Case-Gear, Comp.
2	98-7546	2	Plug
3	100-1910	1	Pin-Spring, Start
4	98-9388	1	Joint-Pipe
5	100-1926	1	Washer-Plain
6	100-2004	1	Spring
7	100-1894	1	Seat-Valve
8	100-1792	1	Ball
9	100-1954	1	Gasket-Case, Gear
10	98-7605	1	Bolt
11	105-3797	8	Bolt
12	100-1922	5	Bolt
13	100-1766	1	Bolt
14	100-1767	1	Bolt
15	100-2206	3	O-Ring
16	100-1971	1	Seal-Oil
17	100-2060	1	Cover
18	100-2061	1	Gasket-Gearcase
19	98-7571	3	Stud
20	98-7572	3	Nut
21	98-9367	3	Washer-Spring
22	100-1892	1	Cartridge-Filter, Oil



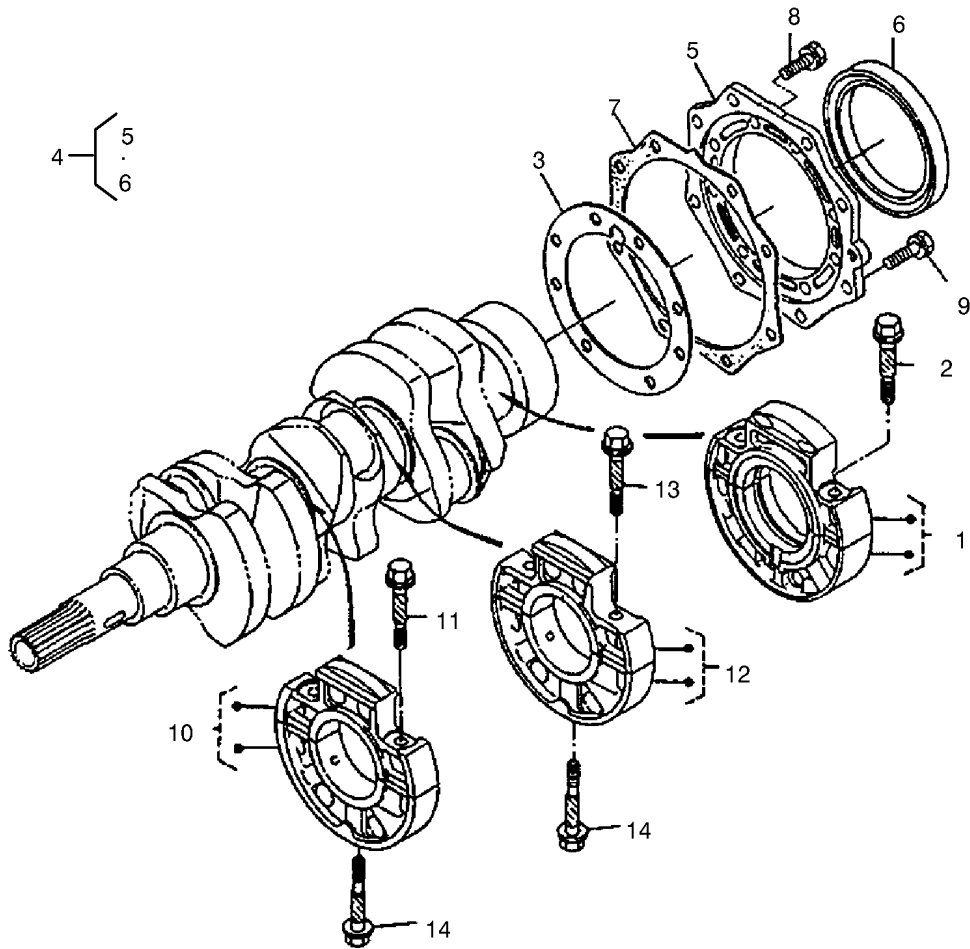
Head Cover Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1972	1	Joint-Pipe, Breather
2	100-1877	1	Plate-Element
3	100-1878	1	Plate-Element
4	100-1881	1	Element-Breather
5	100-1879	1	Breather-Shield, Oil
6	100-2040	2	Screw
7	100-1880	1	Pipe-Breather
8	100-1973	1	Clamp-Pipe
9	98-7739	1	Nut
10	98-7660	2	Washer-Plain
11	100-2029	1	Cover-Head, Cylinder
12	100-2030	1	Gasket-Cover, Head
13	98-7655	3	Nut-Cap
14	98-7654	3	Gasket
15	98-9449	1	Plug-Filler, Oil
16	99-3446	1	O-Ring



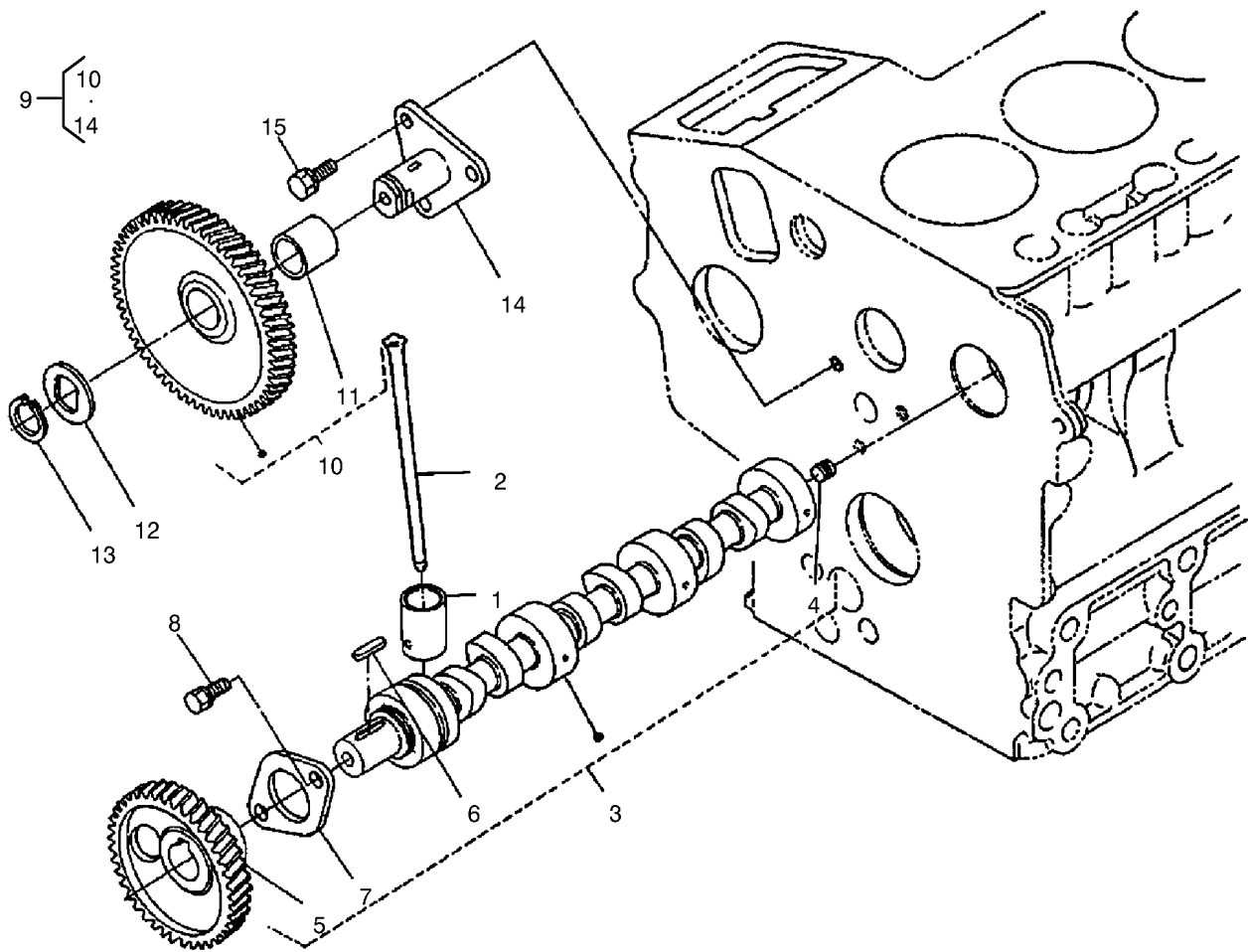
Dipstick and Guide Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2247	1	Gauge-Oil
2	100-2249	1	Oil Gauge Guide ASM
3	98-9374	1	*obs* O-Ring
4	100-2248	1	Support-Guide, Gauge
5	100-1774	1	Bolt-Flange
6	100-2229	1	Plug-Rubber



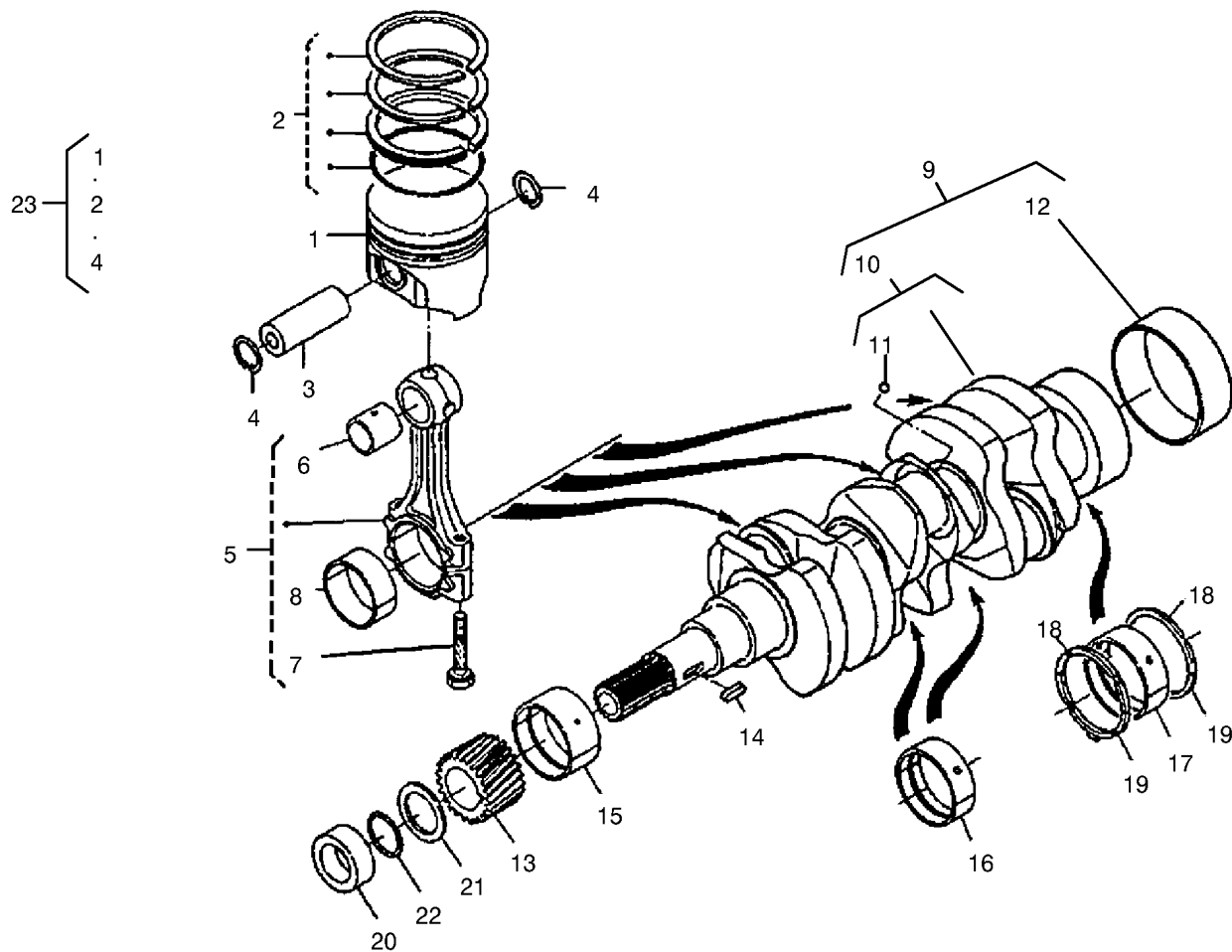
Main Bearing Case Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1988	1	Main Bearing Case ASM
2	100-1757	2	Bolt-Case, Bearing
3	100-1929	1	Gasket-Case, Bearing
4	100-2233	1	Bearing Case Cover ASM
5	100-1875	1	Cover-Case, Bearing
6	100-2055	1	Seal-Oil
7	100-1876	1	Gasket-Cover, Case
8	98-7568	8	Bolt
9	100-1750	8	Bolt
10	100-1987	1	Main Bearing Case ASM
11	100-1757	2	Bolt-Case, Bearing
12	100-2027	1	Main Bearing Case ASM
13	100-1757	2	Bolt-Case, Bearing
14	100-1874	2	Bolt-Case, Bearing



Camshaft Assembly

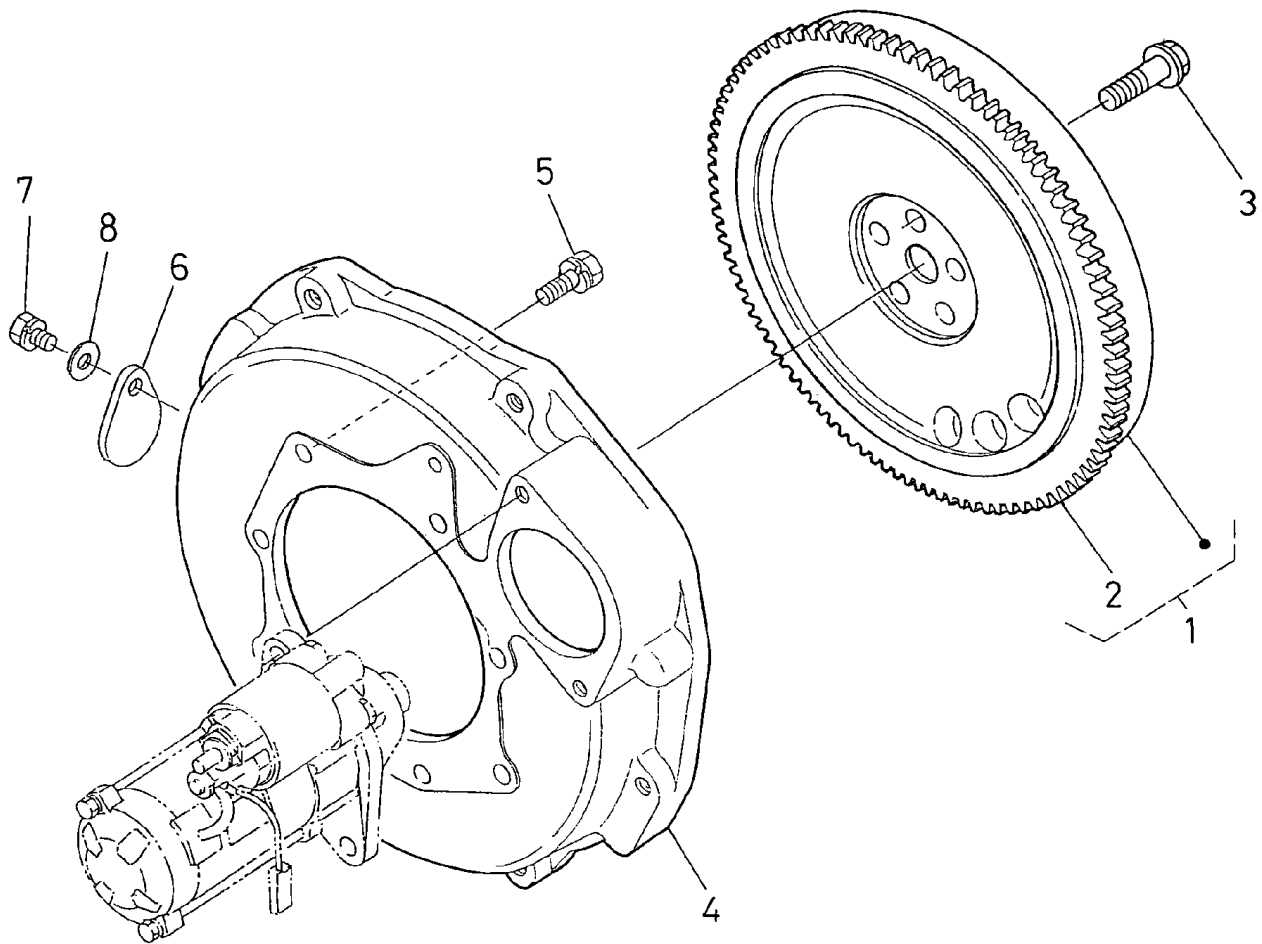
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1990	6	Tappet
2	100-1989	6	Rod-Push
3	100-2162	1	Camshaft ASM
4	98-7449	1	Screw-Set
5	100-2163	1	Gear-Cam
6	98-9378	1	Key-Feather
7	100-1887	1	Stopper-Camshaft
8	98-9350	2	Bolt
9	100-2240	1	Idle Gear ASM
10	100-1966	1	Gear-Idle
11	100-1968	1	Bushing
12	100-1970	1	Collar-Gear, Idle
13	100-1969	1	Ring-Snap
14	100-1967	1	Shaft-Gear, Idle
15	98-9351	3	Bolt



Piston and Crankshaft Assembly

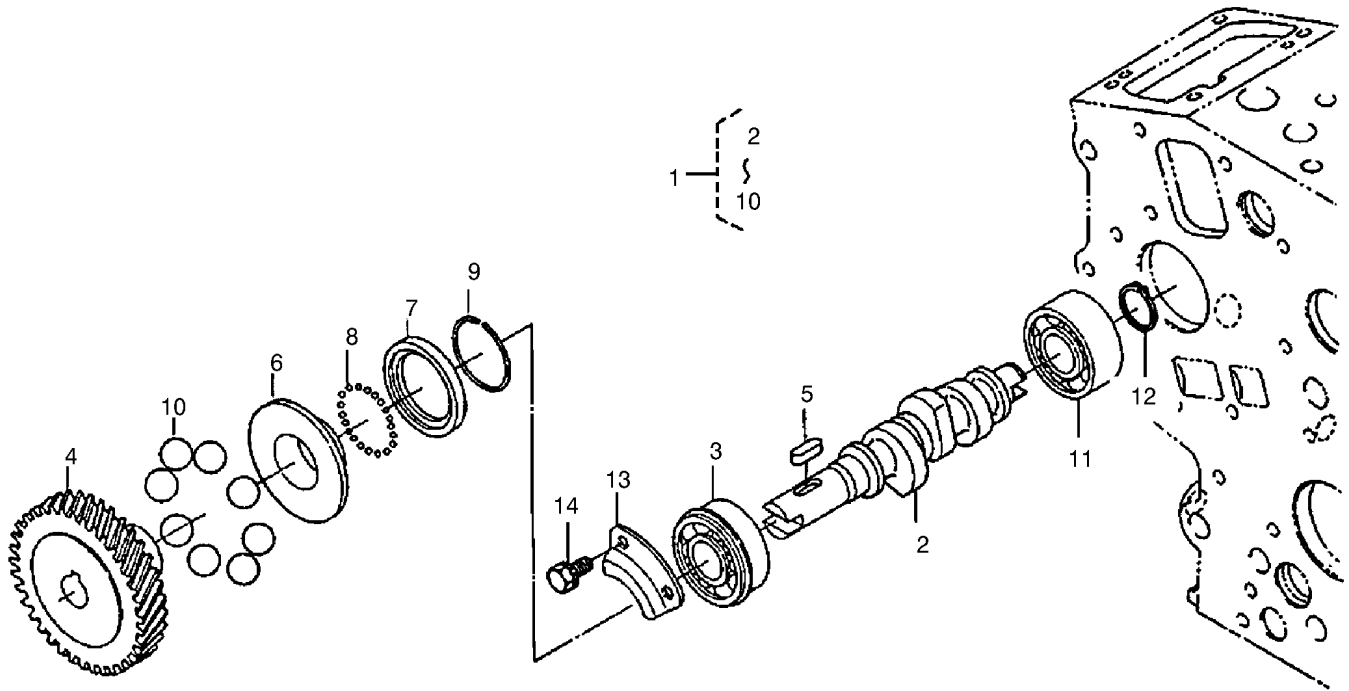
Ref.	Part Number	Qty.	Description
1	100-1994	3	Piston (STD)
1	100-1996	3	Piston (+0.25MM)
2	100-2158	3	Piston Ring ASM
2	100-2159	3	Piston Ring ASM
3	100-1995	3	Pin-Piston
4	100-1835	6	Circlip-Internal
5	100-1998	3	Connecting Rod ASM
6	100-1997	3	Bush-Pin, Piston
7	100-1999	6	Bolt-Rod, Connecting
8	100-1942	3	Metal-Crankpin (-0.20Mm)
8	100-1943	3	Metal-Crankpin (-0.40Mm)
8	100-2000	3	Metal-Crankpin (STD)
9	100-2161	1	Crankshaft ASM
10	100-2160	1	Crankshaft
11	100-1791	3	Ball
12	100-2054	1	Sleeve-Crankshaft
13	100-1891	1	Gear-Crankshaft
14	100-1752	1	Key-Feather
15	100-1944	1	Crankshaft-Metal (STD)
15	100-1947	1	Crankshaft-Metal (-0.2MM)
15	100-1948	1	Crankshaft-Metal (-0.4MM)

Ref.	Part Number	Qty.	Description
16	100-1945	2	Crankshaft-Metal (-0.2MM Set)
16	100-1946	2	Crankshaft-Metal (-0.4MM Set)
16	100-2033	2	Crankshaft-Metal (STD Set)
17	100-1870	1	Crankshaft-Metal (-0.2MM Set)
17	100-1871	1	Crankshaft-Metal (-0.4MM Set)
17	100-2032	1	Crankshaft-Metal (STD Set)
18	100-1836	2	Metal-Side (STD)
18	100-1838	2	Metal-Side (+0.20MM)
18	100-1839	2	Metal-Side (+0.40MM)
19	100-1837	2	Metal-Side (STD)
19	100-1840	2	Metal-Side (+0.2MM)
19	100-1841	2	Metal-Side (+0.4MM)
20	100-1890	1	Collar-Crankshaft
21	100-1974	1	Slinger-Oil
22	100-2209	1	O-Ring
23	100-2164	1	Piston Kit



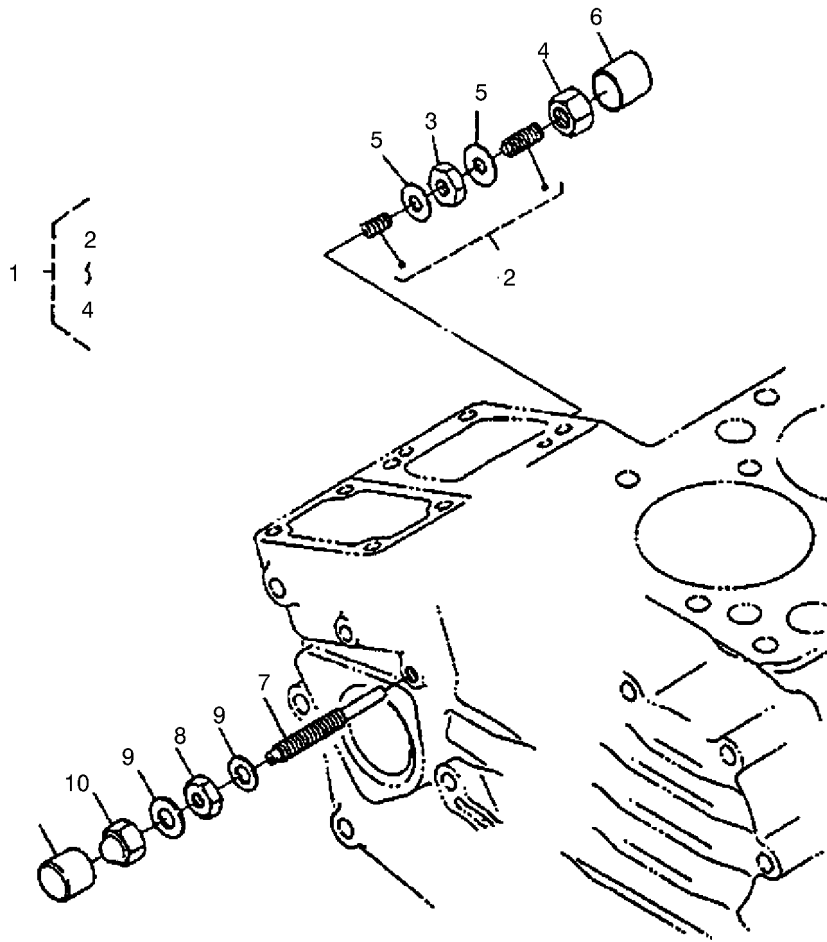
Flywheel Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2034	1	Flywheel-Comp.
2	100-2156	1	Gear-Ring
3	100-1930	1	Bolt-Flywheel
4	100-2234	1	Housing-Flywheel
5	98-9359	10	Bolt
6	100-2177	1	Cover
7	98-7585	1	Bolt
8	98-7660	1	Washer-Plain



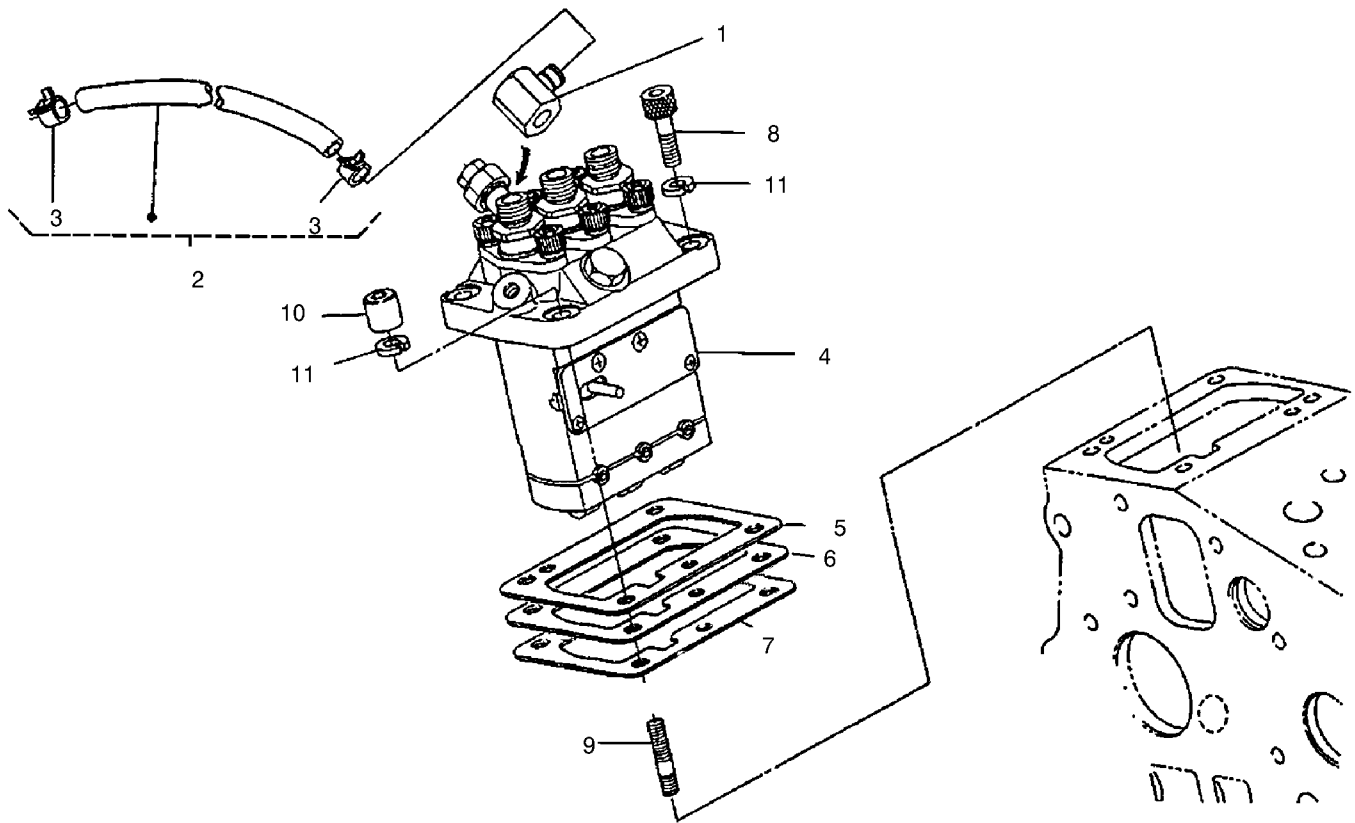
Fuel Camshaft Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2031	1	Fuel Camshaft ASM
2	100-1965	1	Camshaft
3	100-1795	1	Bearing-Ball
4	100-2006	1	Gear-Pump, Injection
5	100-1752	1	Key-Feather
6	100-1903	1	Sleeve-Governor
7	100-1904	1	Case-Ball, Governor
8	100-1790	32	Ball
9	100-1843	1	Circ-Clip
10	100-1793	8	Ball
11	100-1794	1	Bearing-Ball
12	100-1784	1	Circ-Clip, External
13	100-1888	1	Stopper-Fuel, Camshaft
14	98-9350	2	Bolt



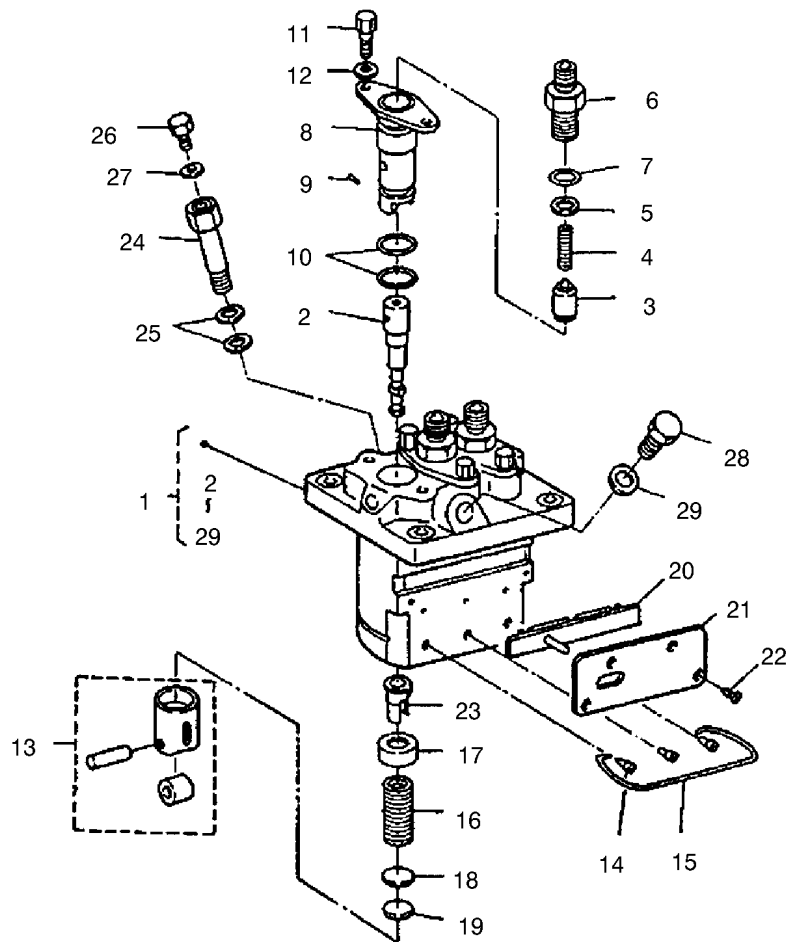
Engine Stop Lever Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1898	1	Idle Apparatus ASM
2	100-1899	1	Adjusting Bolt ASM
3	100-1846	1	Nut
4	100-1901	1	Nut-Cap
5	98-7428	2	Gasket
6	100-1902	1	Cap
7	100-1900	1	Bolt-Adjusting
8	100-2175	1	Nut-Lock
9	98-7654	2	Gasket
10	98-9441	1	Nut-Cap



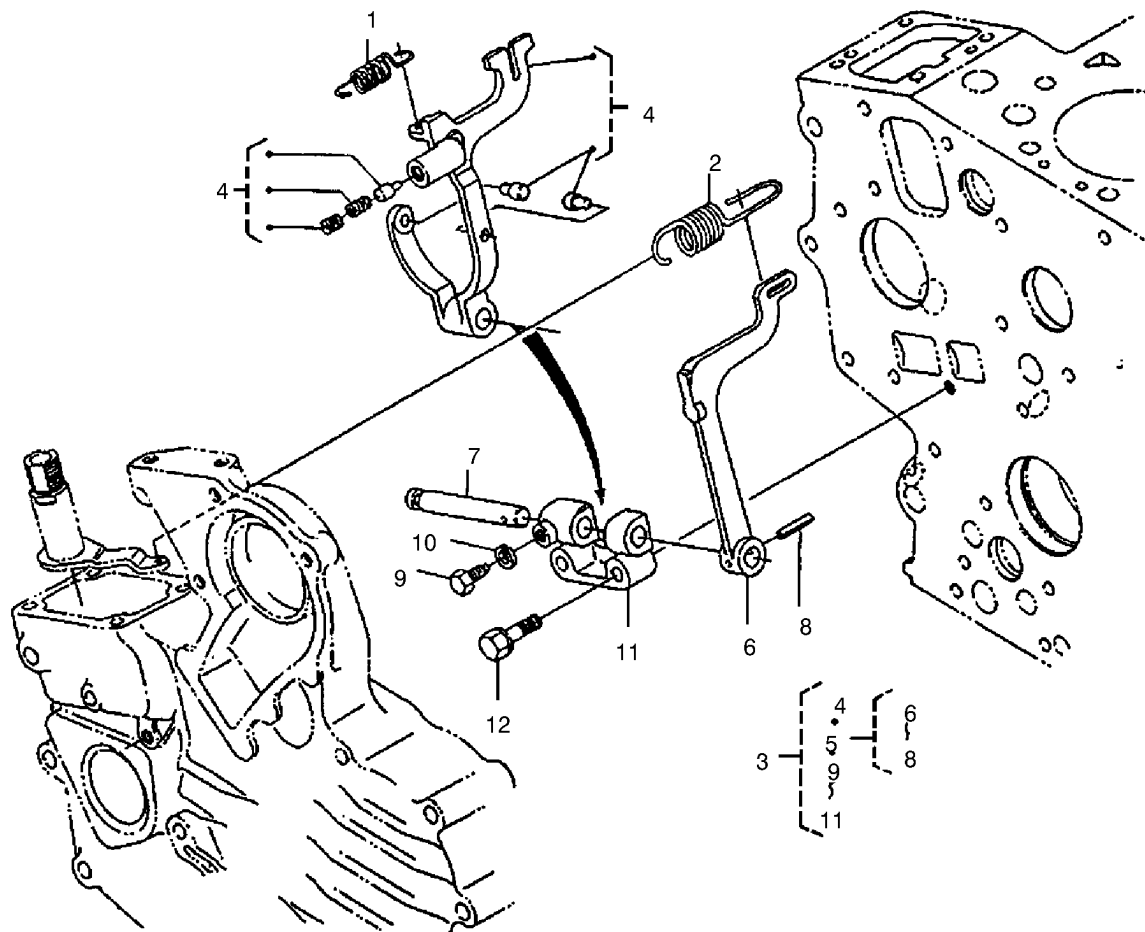
Injection Pump Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1928	1	Joint-Eye
2	100-1842	1	Fuel Pipe ASM
3	100-2217	2	Clip-Pipe
4	100-1759	1	Injection Pump ASM
5	98-9456	1	Shim-Injection (0.20MM)
6	98-9457	1	Shim-Injection (0.25MM)
7	98-9458	1	Shim-Injection (0.30MM)
8	98-9361	2	Bolt-HSH
9	98-9438	2	Stud
10	98-9440	2	Nut-Cap
11	98-9367	4	Washer-Spring



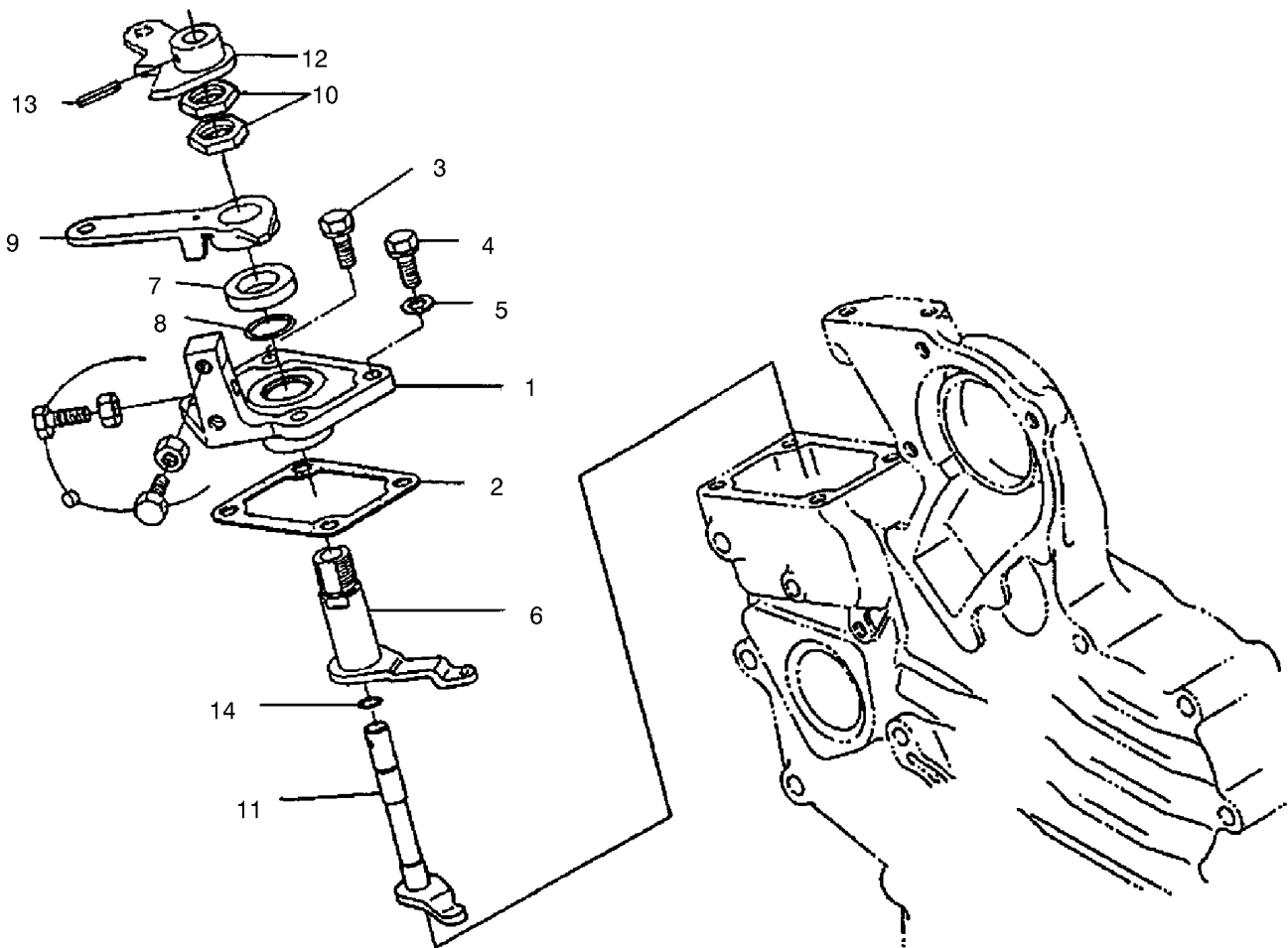
Injection Pump (Complete Parts)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1759	1	Injection Pump ASM	16	98-9428	3	Spring-Plunger
2	100-2005	3	Plunger-Pump	17	98-9427	3	Seat-Spring, Upper
3	98-9421	3	Valve-Delivery	18	98-9429	3	Seat-Spring, Lower
4	98-9424	3	Spring-Valve, Delivery	19	98-9433	3	Shim
5	98-9425	3	Gasket-Valve, Delivery	20	100-1949	1	Rack-Control
6	100-2007	3	Holder-Valve, Deliv.	21	100-1950	1	Plate
7	98-9447	3	O-Ring	22	98-9442	4	Screw
8	98-9434	3	Flange-Sleeve	23	98-9432	3	Sleeve-Control
9	98-9443	3	Pin-Joint	24	100-1896	1	Screw-Hollow
10	100-1895	6	O-Ring	25	98-9445	2	Gasket
11	98-9452	6	Screw	26	98-9430	1	Screw
12	100-1931	6	Washer	27	98-9446	1	Gasket
13	98-9422	3	Tappet ASM	28	100-1953	1	Bolt
14	98-9426	3	Pin-Guide, Tappet	29	98-9451	1	Gasket
15	98-9450	1	Pin-Clamp				



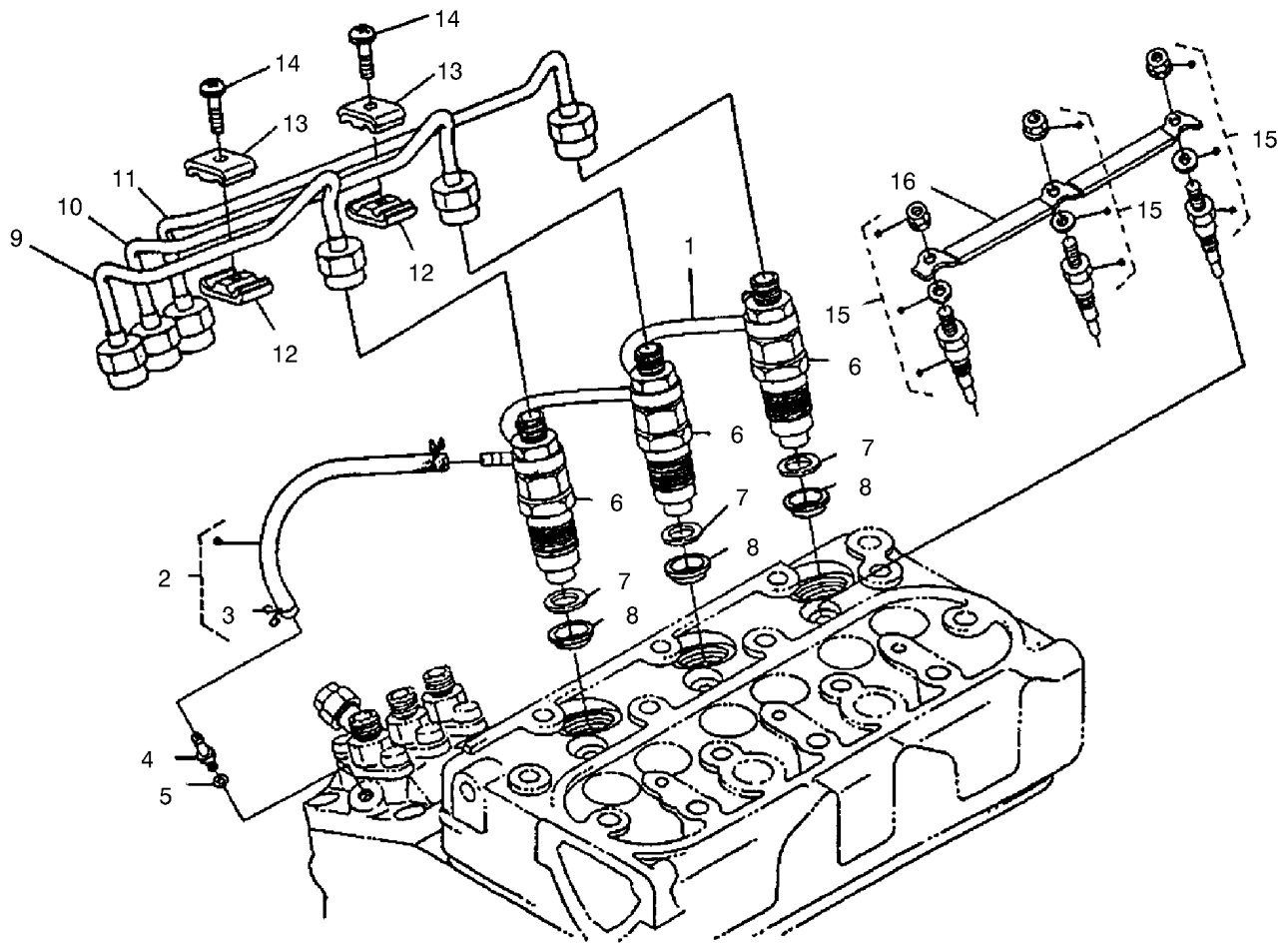
Governor Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1911	1	Spring-Start
2	100-2059	1	Spring-Governor
3	100-1981	1	Fork Lever ASM
4	100-2241	1	Lever-Fork
5	100-1905	1	Fork Lever ASM
6	100-1907	1	Lever-Fork
7	100-1908	1	Shaft-Lever, Fork
8	100-1751	1	Pin-Spring
9	100-1845	1	Bolt
10	100-2204	1	Washer-Spring
11	100-1909	1	Holder-Lever, Fork
12	100-1763	2	Bolt



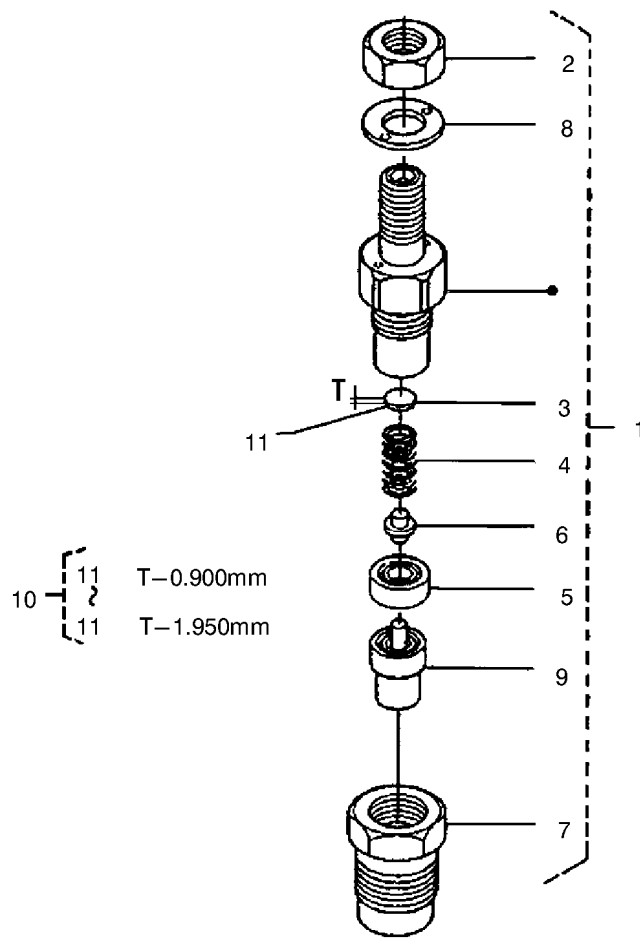
Speed Control Plate Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1912	1	Plate-Speed, CONT.
2	100-1914	1	Gasket
3	98-7605	2	Bolt
4	100-1769	2	Bolt
5	98-7654	2	Gasket
6	100-2172	1	Lever-Governor
7	100-1915	1	Collar
8	100-2208	1	O-Ring
9	100-1986	1	Lever-CONT., Speed
10	100-1925	2	Nut
11	100-2050	1	Shaft-Lever
12	100-2173	1	Lever-Stop, Engine
13	100-1751	1	Pin-Spring
14	100-2207	1	O-Ring



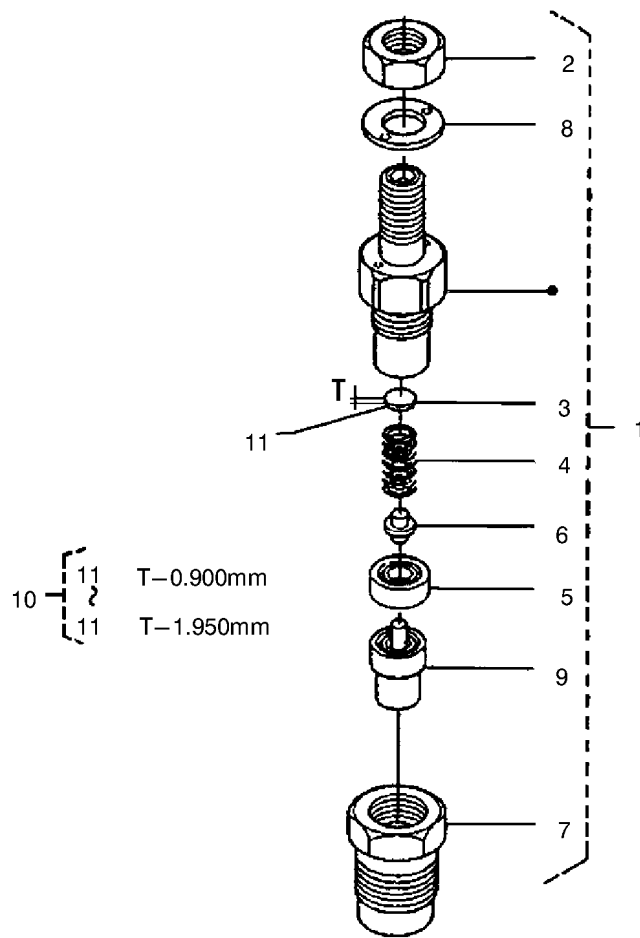
Nozzle Holder and Glow Plugs Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1960	1	Over Flow Pipe ASM
2	98-9420	1	Overflow Pipe ASM
2:1	98-7671	1	Clip-Pipe
3	98-7671	2	Clip-Pipe
4	98-9431	1	Screw-Bleeder, Air
5	98-7654	1	Gasket
6	100-1758	3	Nozzle Holder ASM
7	98-7676	3	Gasket
8	98-7677	3	Seal-Heat
9	100-2011	1	Pipe-Injection
10	100-2013	1	Pipe-Injection
11	100-2036	1	Pipe-Injection
12	98-7682	2	Clamp-Pipe
13	98-7683	2	Clamp-Pipe
14	98-7684	2	Screw (W/Washer)
15	100-1854	3	Plug-Glow
16	100-2037	1	Cord-Plug, Glow



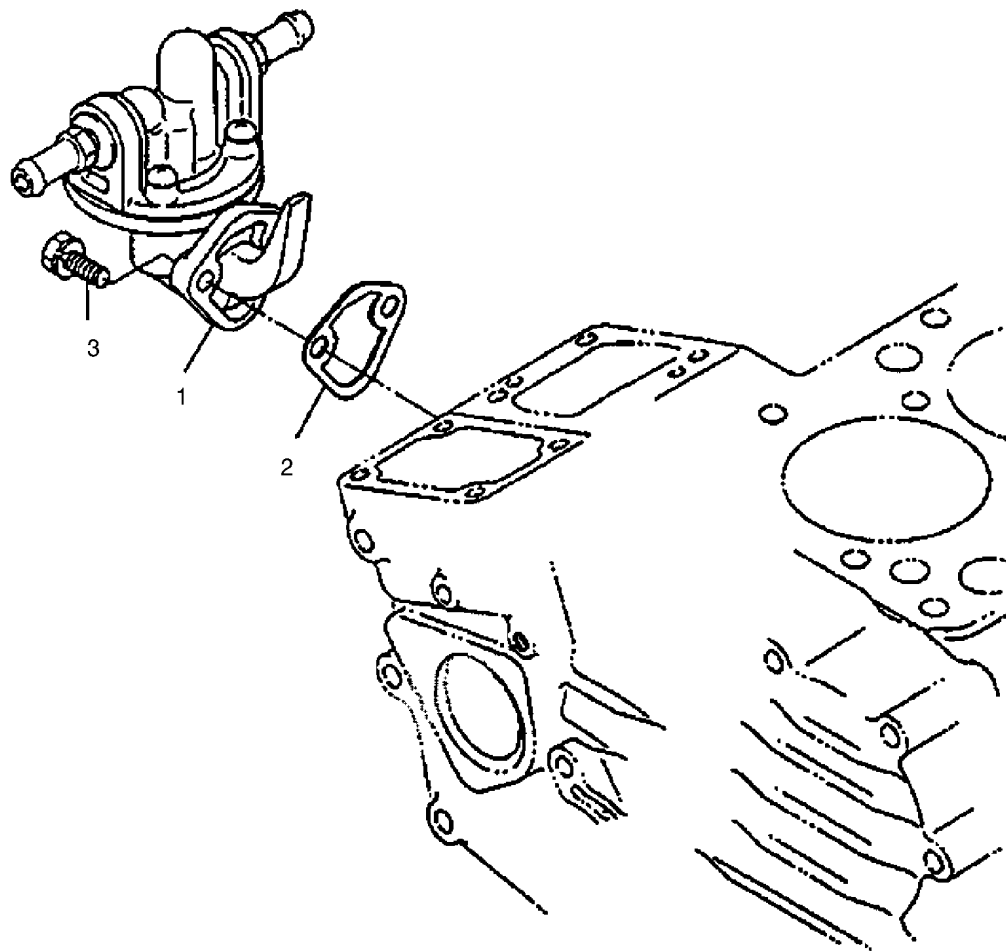
Nozzle Holder (Complete Parts)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	100-1758	3	Nozzle Holder ASM	11	98-7848	3	Washer-Adjusting (1.100MM)
2	98-7613	3	Nut	11	98-7849	3	Washer-Adjusting (1.125MM)
3	98-7642	3	Washer-Adjusting (0.900Mm)	11	98-7850	3	Washer-Adjusting (1.150MM)
4	98-7647	3	Spring-Nozzle	11	98-7851	3	Washer-Adjusting (1.175MM)
5	98-7665	3	Spacer-Distance	11	98-7852	3	Washer-Adjusting (1.200MM)
6	98-7666	3	Rod-Push	11	98-7853	3	Washer-Adjusting (1.225MM)
7	100-2242	3	Nut-Nozzle	11	98-7854	3	Washer-Adjusting (1.250MM)
8	98-7668	3	Washer	11	98-7855	3	Washer-Adjusting (1.275MM)
9	100-2009	3	Piece-Nozzle	11	98-7856	3	Washer-Adjusting 1.300MM)
10	98-9448	3	Adjusting Washer ASM	11	98-7857	3	Washer-Adjusting (1.325MM)
11	98-7642	3	Washer-Adjusting (0.900Mm)	11	98-7858	3	Washer-Adjusting (1.350MM)
11	98-7841	3	Washer-Adjusting (0.925Mm)	11	98-7859	3	Washer-Adjusting (1.375MM)
11	98-7842	3	Washer-Adjusting (0.950Mm)	11	98-7860	3	Washer-Adjusting (1.400MM)
11	98-7843	3	Washer-Adjusting (0.975Mm)	11	98-7861	3	Washer-Adjusting (1.425MM)
11	98-7844	3	Washer-Adjusting (1.000Mm)				
11	98-7845	3	Washer-Adjusting (1.025Mm)				
11	98-7846	3	Washer-Adjusting (1.050Mm)				
11	98-7847	3	Washer-Adjusting (1.075MM)				



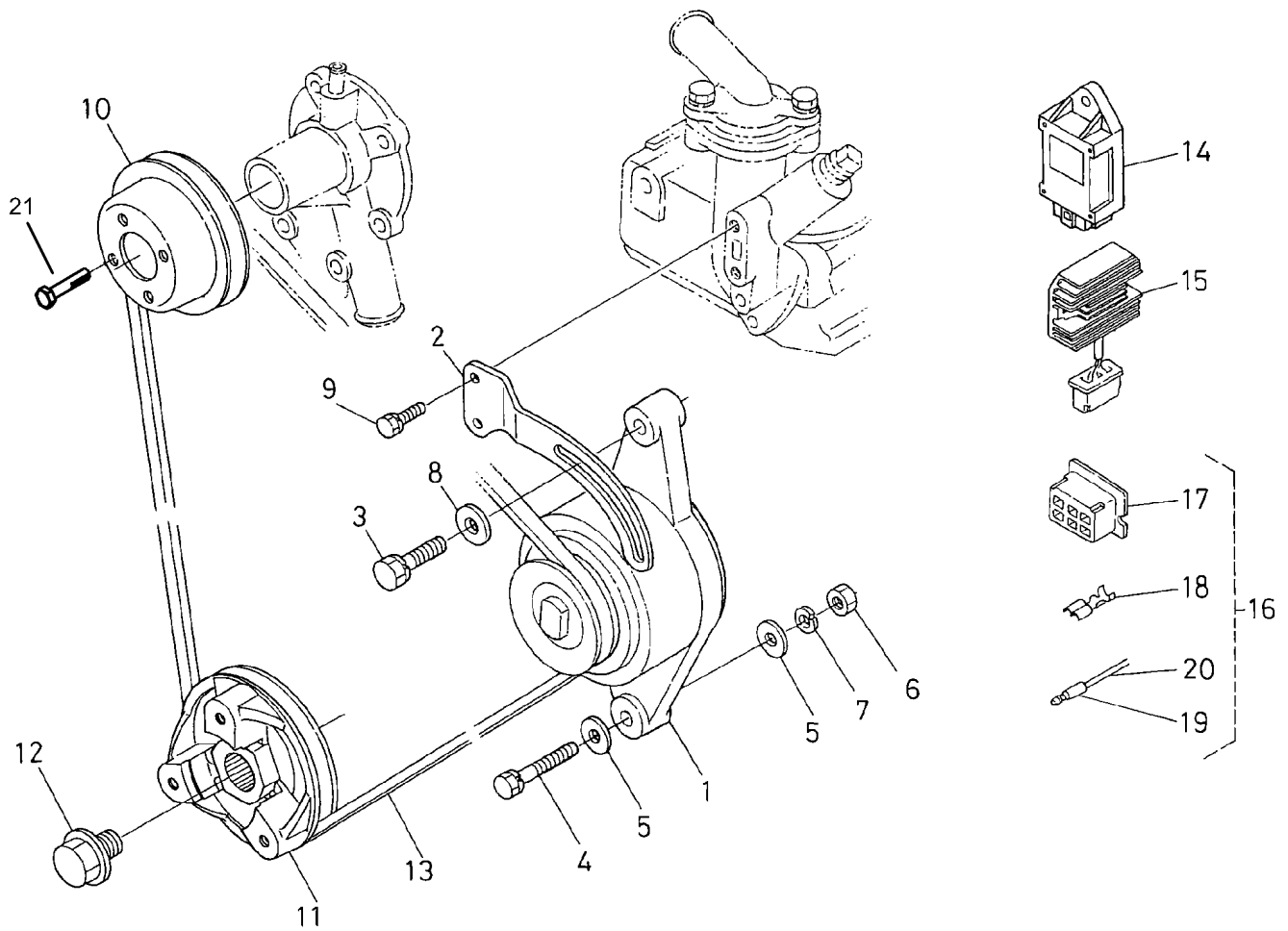
Nozzle Holder (Complete Parts) (continued)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
11	98-7862	3	Washer-Adjusting (1.450MM)	11	98-7873	3	Washer-Adjusting (1.725MM)
11	98-7863	3	Washer-Adjusting (1.475MM)	11	98-7874	3	Washer-Adjusting (1.750MM)
11	98-7864	3	Washer-Adjusting (1.500MM)	11	98-7875	3	Washer-Adjusting (1.775MM)
11	98-7865	3	Washer-Adjusting (1.525MM)	11	98-7876	3	Washer-Adjusting (1.800MM)
11	98-7866	3	Washer-Adjusting (1.550MM)	11	98-7877	3	Washer-Adjusting (1.825MM)
11	98-7867	3	Washer-Adjusting (1.575MM)	11	98-7878	3	Washer-Adjusting (1.850MM)
11	98-7868	3	Washer-Adjusting (1.600MM)	11	98-7879	3	Washer-Adjusting (1.875MM)
11	98-7869	3	Washer-Adjusting (1.625MM)	11	98-7880	3	Washer-Adjusting (1.900MM)
11	98-7870	3	Washer-Adjusting (1.650MM)	11	98-7881	3	Washer-Adjusting (1.925MM)
11	98-7871	3	Washer-Adjusting (1.675MM)	11	98-7882	3	Washer-Adjusting (1.950MM)
11	98-7872	3	Washer-Adjusting (1.700MM)				



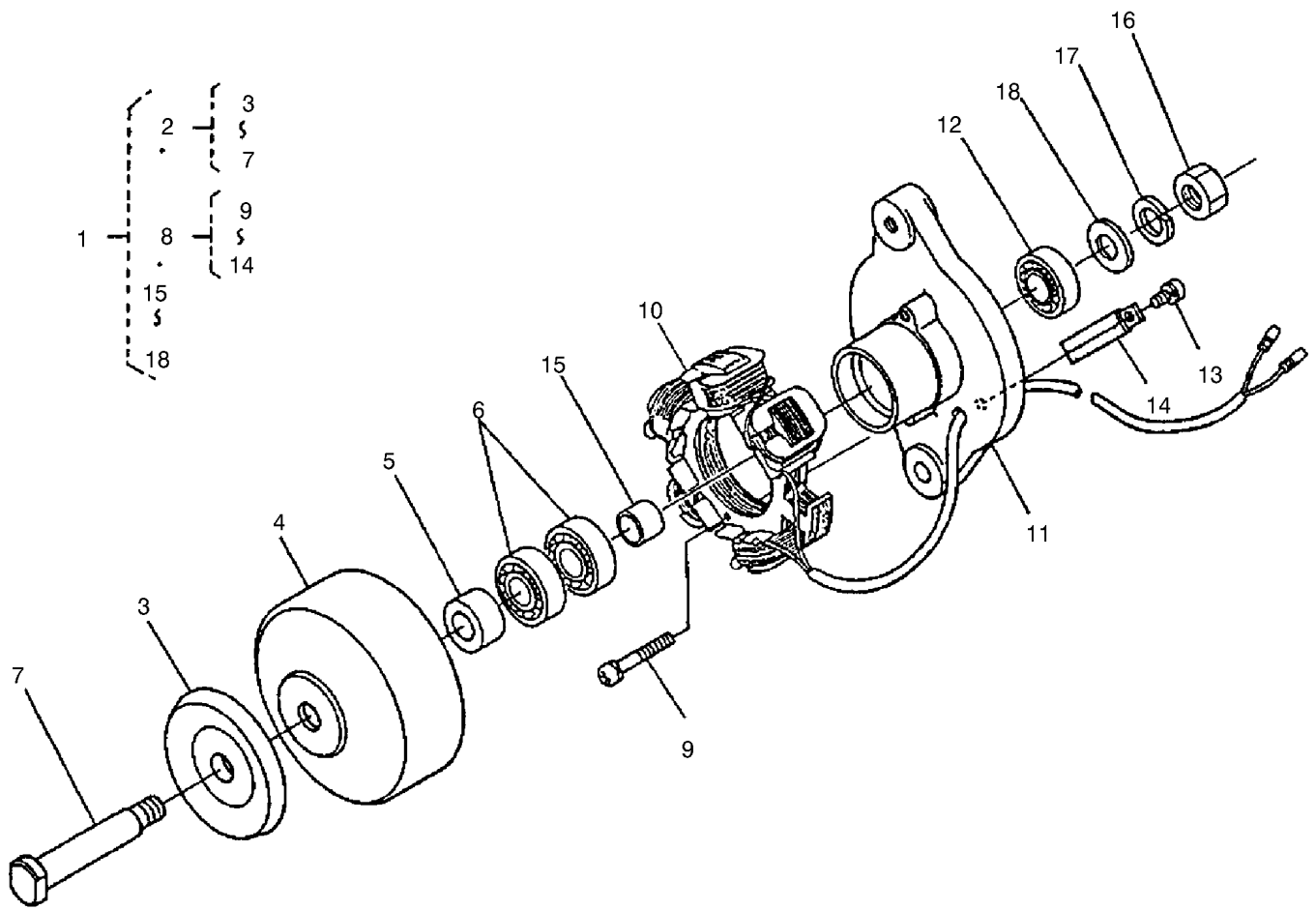
Fuel Pump (mechanical)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2232	1	Fuel Pump ASM
2	98-9636	1	Gasket-Pump, Fuel
3	98-7692	2	Bolt



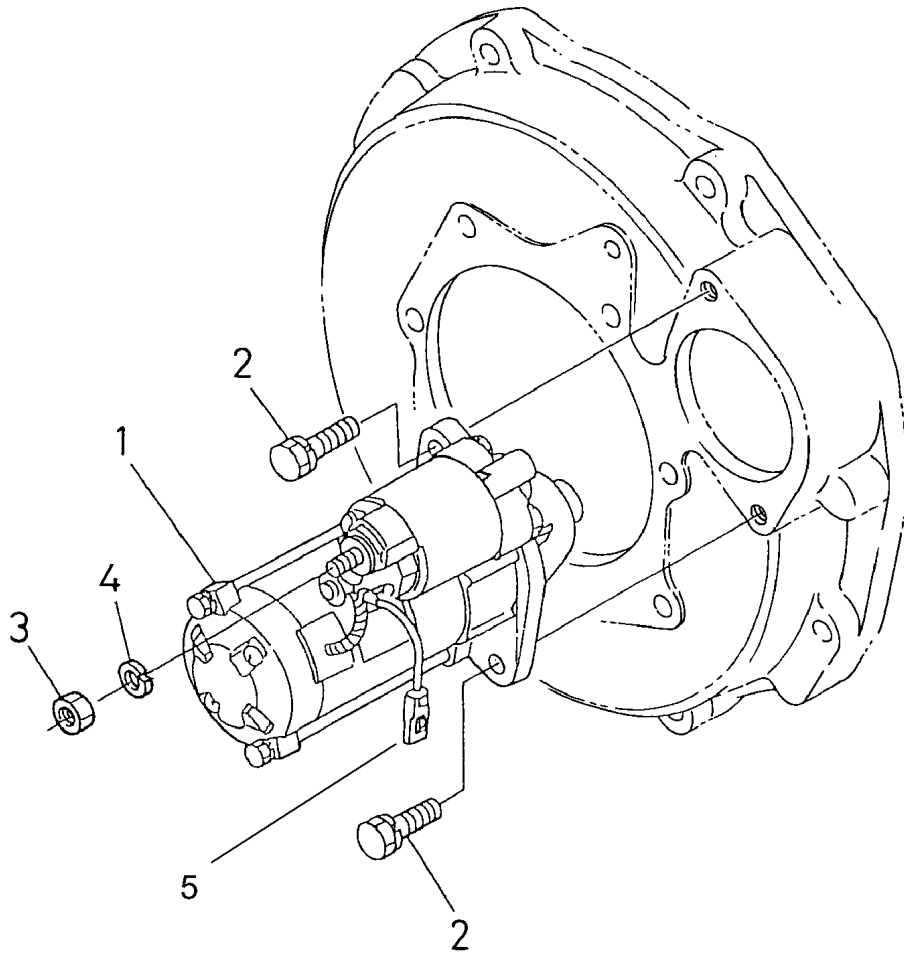
Dynamo and Pulley Assembly

Ref.	Part Number	Qty.	Description
1	100-2168	1	Dynamo ASM
2	100-2214	1	Stay-Dynamo
3	98-7697	1	Bolt
4	100-1771	1	Bolt
5	98-7660	2	Washer-Plain
6	98-7739	1	Nut
7	98-7535	1	Washer-Spring
8	100-1782	1	Washer-Plain
9	98-7692	2	Bolt
10	100-1921	1	Pulley-Fan
11	100-2039	1	Pulley-Drive, Fan
12	100-1978	1	Bolt
13	100-1979	1	V-Belt
14	98-7611	1	Controller-Glow
15	100-2057	1	Regulator ASM
16	100-2058	1	Coupler ASM
17	100-2056	1	Connector
18	98-9699	6	Terminal
19	98-9701	2	Terminal
20	98-9702	2	Sleeve
21	100-1773	4	Bolt-Flange



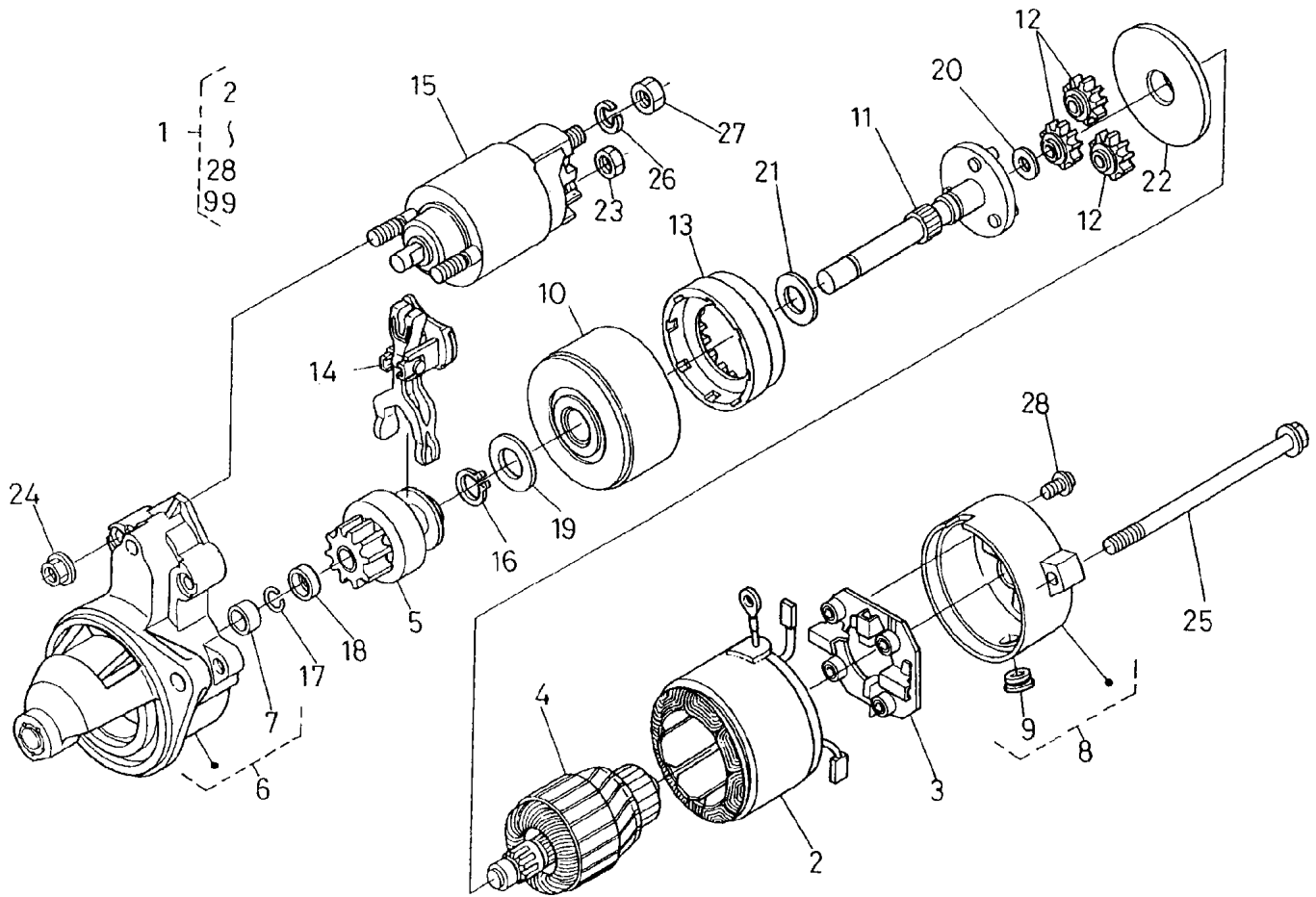
Dynamo (Complete Parts)

Ref.	Part Number	Qty.	Description
1	100-2168	1	Dynamo ASM
2	100-1862	1	Rotor ASM
3	100-2228	1	Pulley
4	100-1860	1	Rotor
5	100-2184	1	Collar
6	100-1756	2	Bearing-Ball
7	100-1867	1	Shaft-Fan
8	100-1866	1	Stator ASM
9	100-1848	2	Screw-Head, Round
10	100-1865	1	Stator
11	100-1861	1	Plate
12	100-1756	1	Bearing-Ball
13	100-1868	1	Screw-Head, Round
14	100-1864	1	Clamp-Cord
15	100-1844	1	Collar
16	100-1847	1	Nut
17	100-1850	1	Washer-Spring
18	100-1849	1	Washer-Plain



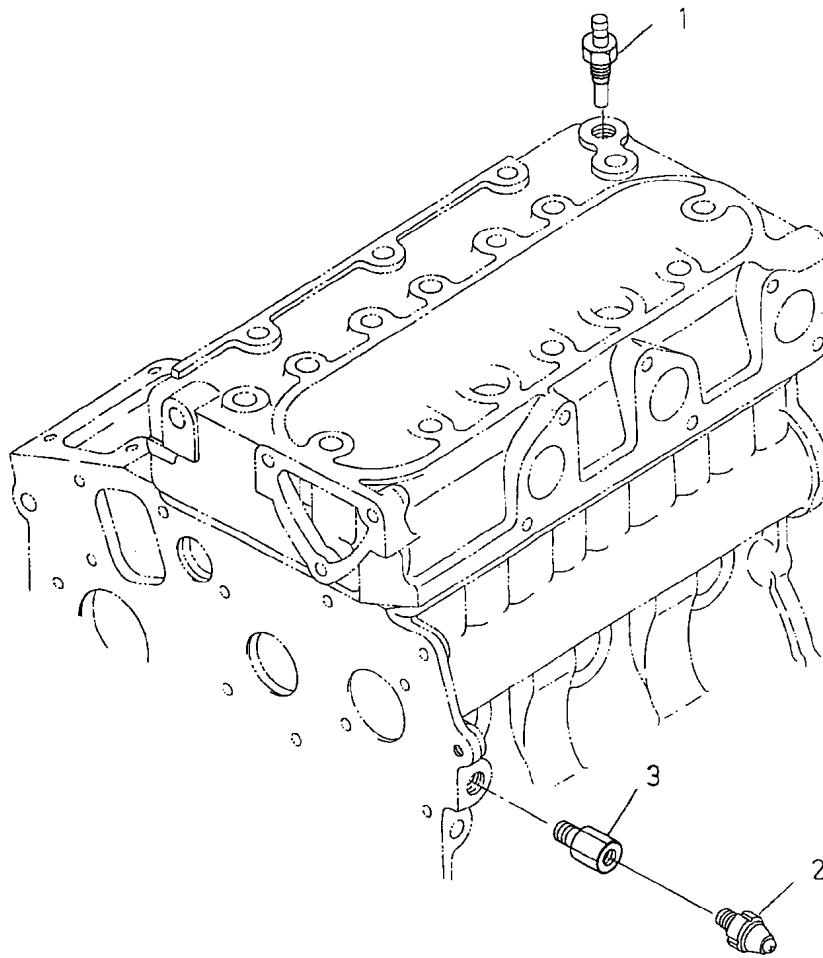
Starter Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2179	1	Starter ASM
2	98-7438	2	Bolt
3	98-7739	1	Nut
4	98-7535	1	Washer-Spring
5	99-1434	1	Wire-Lead



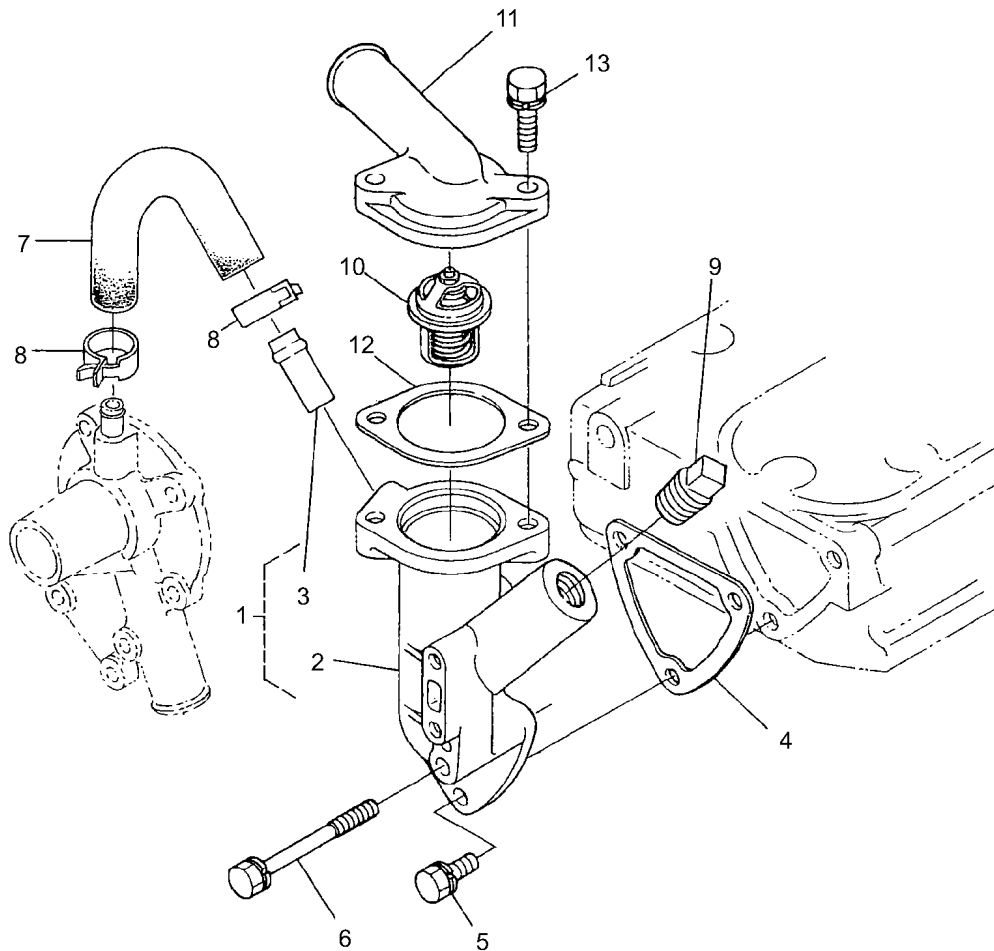
Starter (Complete Parts)

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	100-2179	1	Starter ASM	16	100-2219	1	Ring-Snap
2	100-2181	1	Starter Yoke ASM	17	100-2212	1	Ring-Snap
3	100-2222	1	Holder ASM	18	100-2216	1	Collar
4	100-2182	1	Armature ASM	19	100-2224	1	Washer-Plain
5	100-2185	1	Starter Clutch ASM	20	100-2225	1	Washer-Plain
6	100-2180	1	Starter Housing ASM	21	100-2226	1	Washer-Plain
7	100-2183	1	Bearing	22	100-2227	1	Plate
8	100-2186	1	Frame ASM	23	100-2243	1	Nut-Hex
9	100-2213	1	Cover	24	100-1813	2	Nut
10	100-2223	1	Bearing ASM	25	100-2210	2	Bolt-Through
11	100-2187	1	Starter Shaft ASM	26	100-2215	1	Washer-Spring
12	100-2220	3	Gear	27	100-2171	1	Nut-Hex
13	100-2221	1	Gear	28	100-2188	2	Screw
14	100-2218	1	Lever	99	99-1434	1	Wire-Lead
15	100-2211	1	Magnetic Switch ASM				



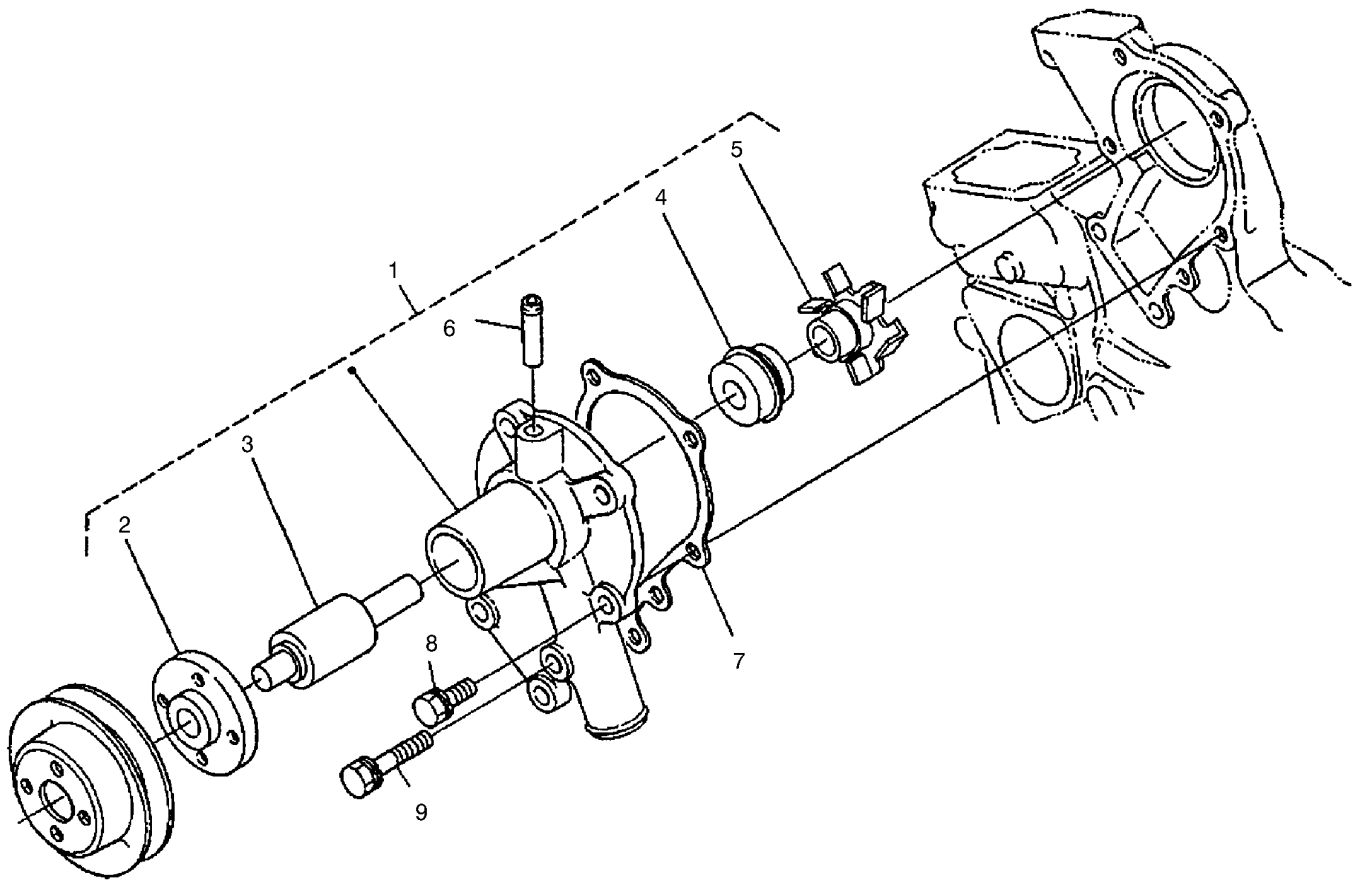
Oil and Thermo Switch Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	99-3582	1	Thermoswitch
2	98-7764	1	Switch-Oil
3	100-2170	1	Holder-Signal, Oil



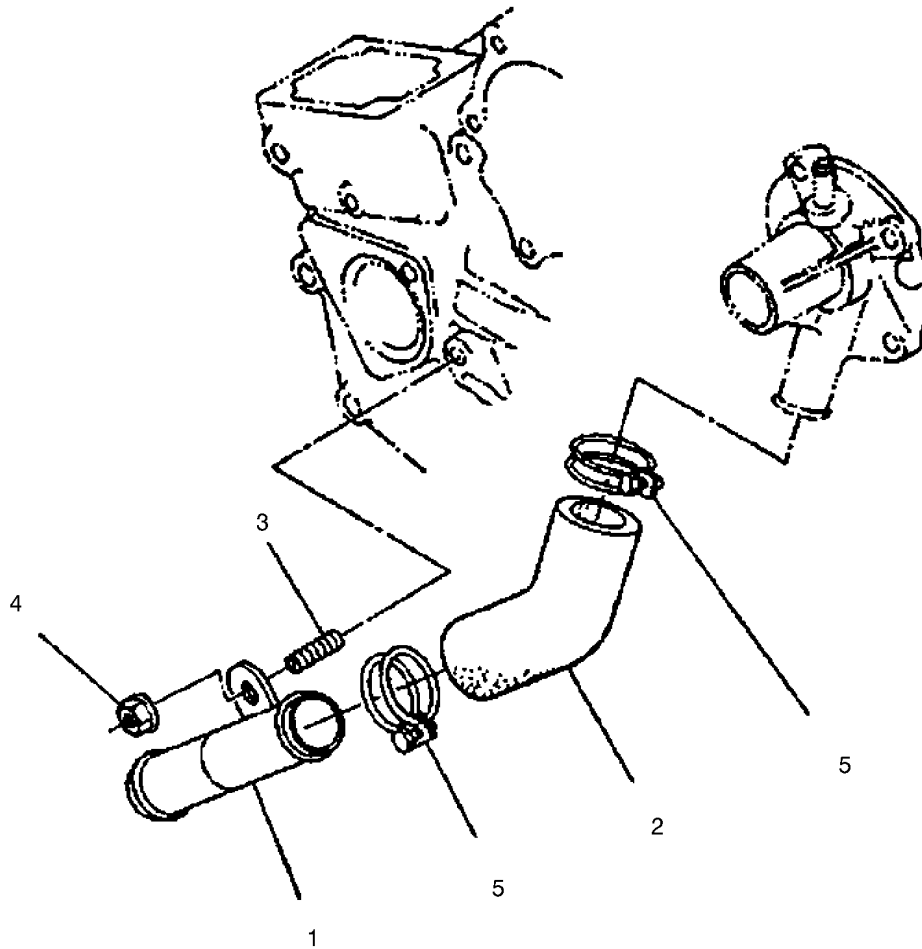
Water Flange and Thermostat Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2165	1	Water Flange ASM
2	100-2166	1	Flang-Water
3	98-9580	1	Pipe-Return, Water
4	100-1919	1	Gasket-Flange, Water
5	98-7692	2	Bolt
6	105-3797	1	Bolt
7	100-2017	1	Pipe-Return, Water
8	98-9579	2	Band-Pipe
9	100-2169	1	Plug
10	100-2053	1	Thermostat ASM
11	100-2231	1	Cover-Thermostat
12	100-2157	1	Gasket-Thermostat
13	98-9353	2	Bolt



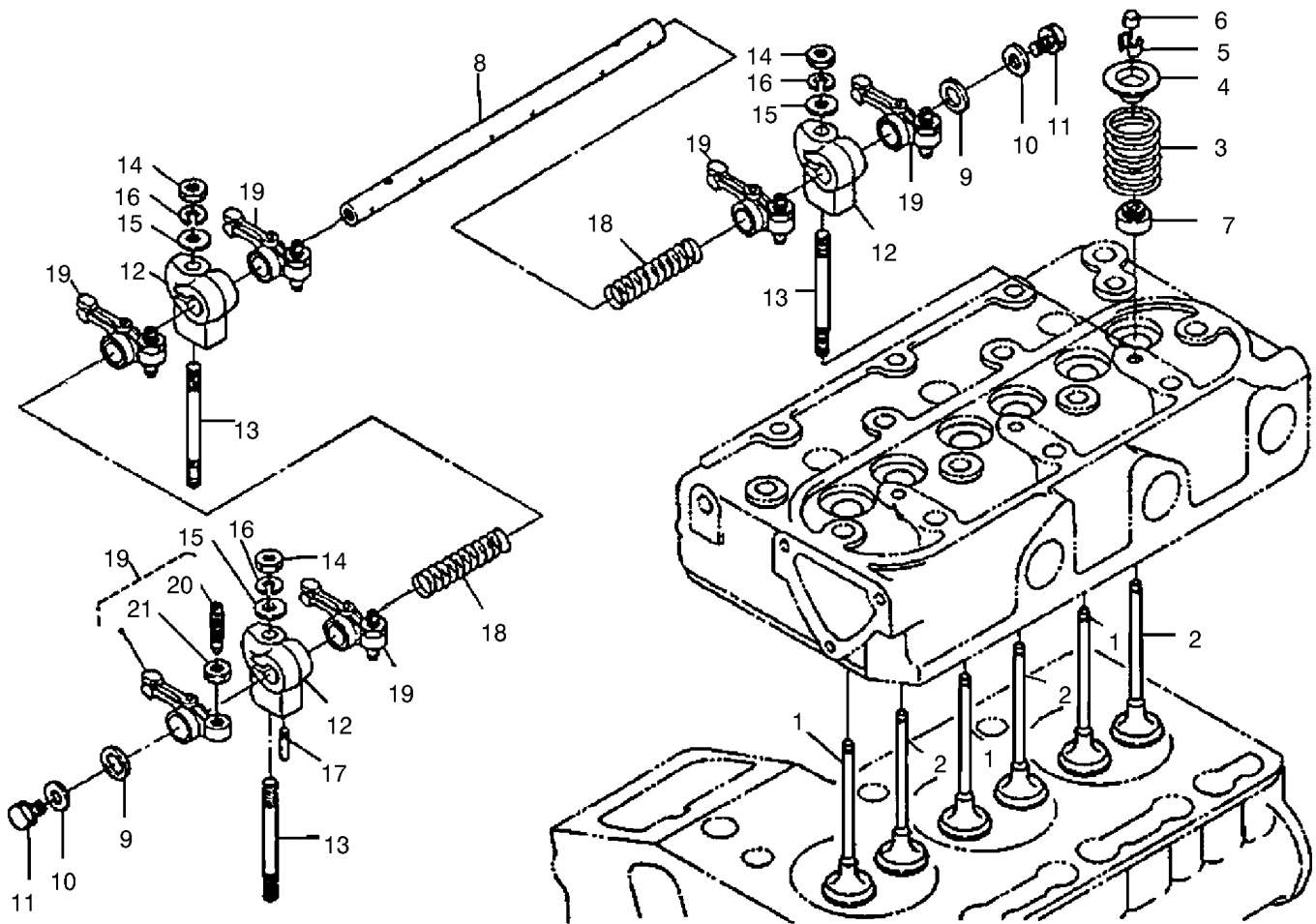
Water Pump Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2065	1	Water Pump ASM
2	100-1933	1	Flange-Pump, Water
3	100-1934	1	Bearing-Ball
4	99-3518	1	Water Pump Seal ASM
5	100-2067	1	Impeller-Pump, Water
6	100-1932	1	Pipe-Return, Water
7	100-1976	1	Gasket-Pump, Water
8	100-1750	4	Bolt
9	100-1764	1	Bolt



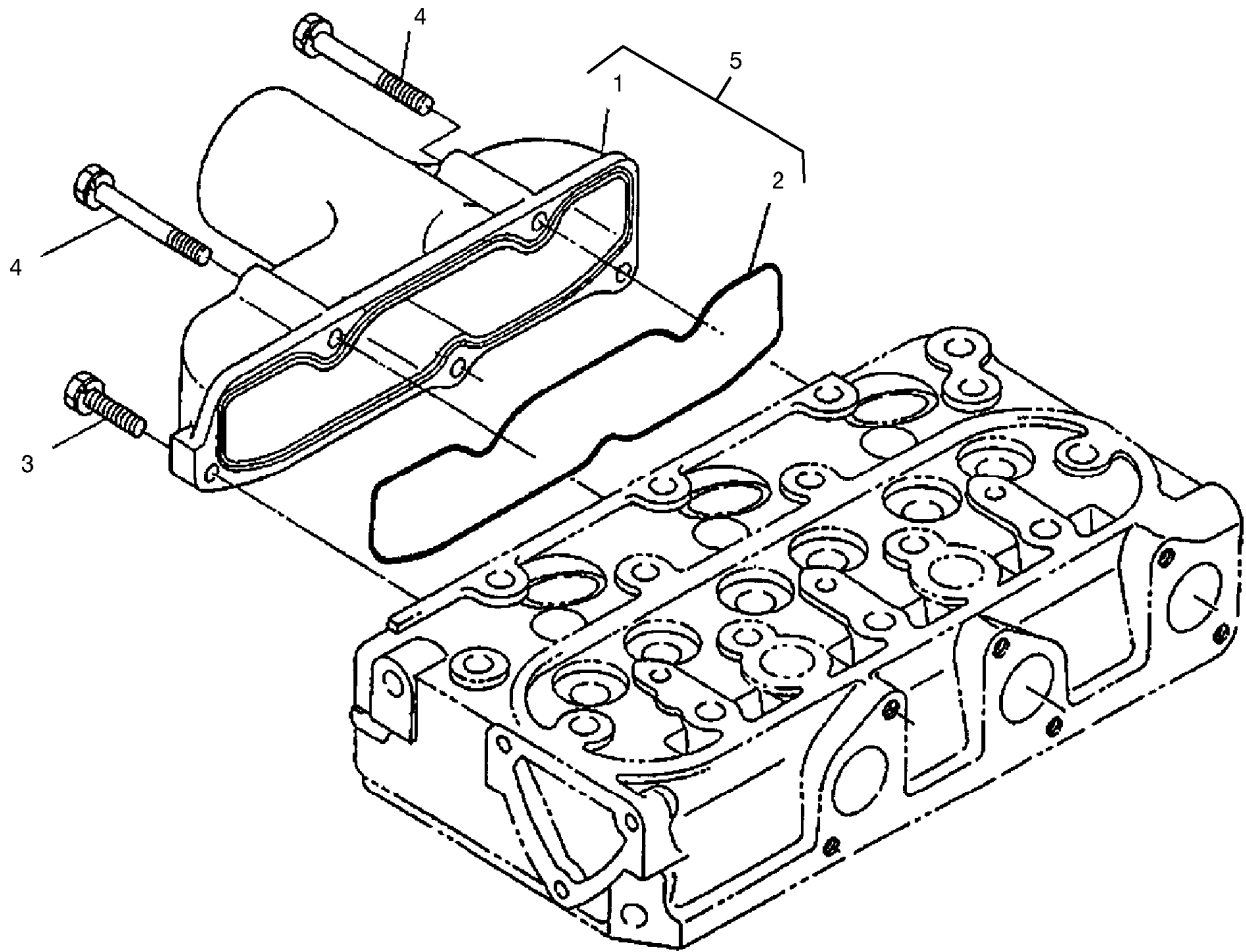
Water Pipe Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1918	1	Pipe-Water
2	100-1975	1	Pipe-Water
3	100-1924	1	Stud
4	100-2203	1	Nut-Flange
5	100-1753	2	Clamp-Hose



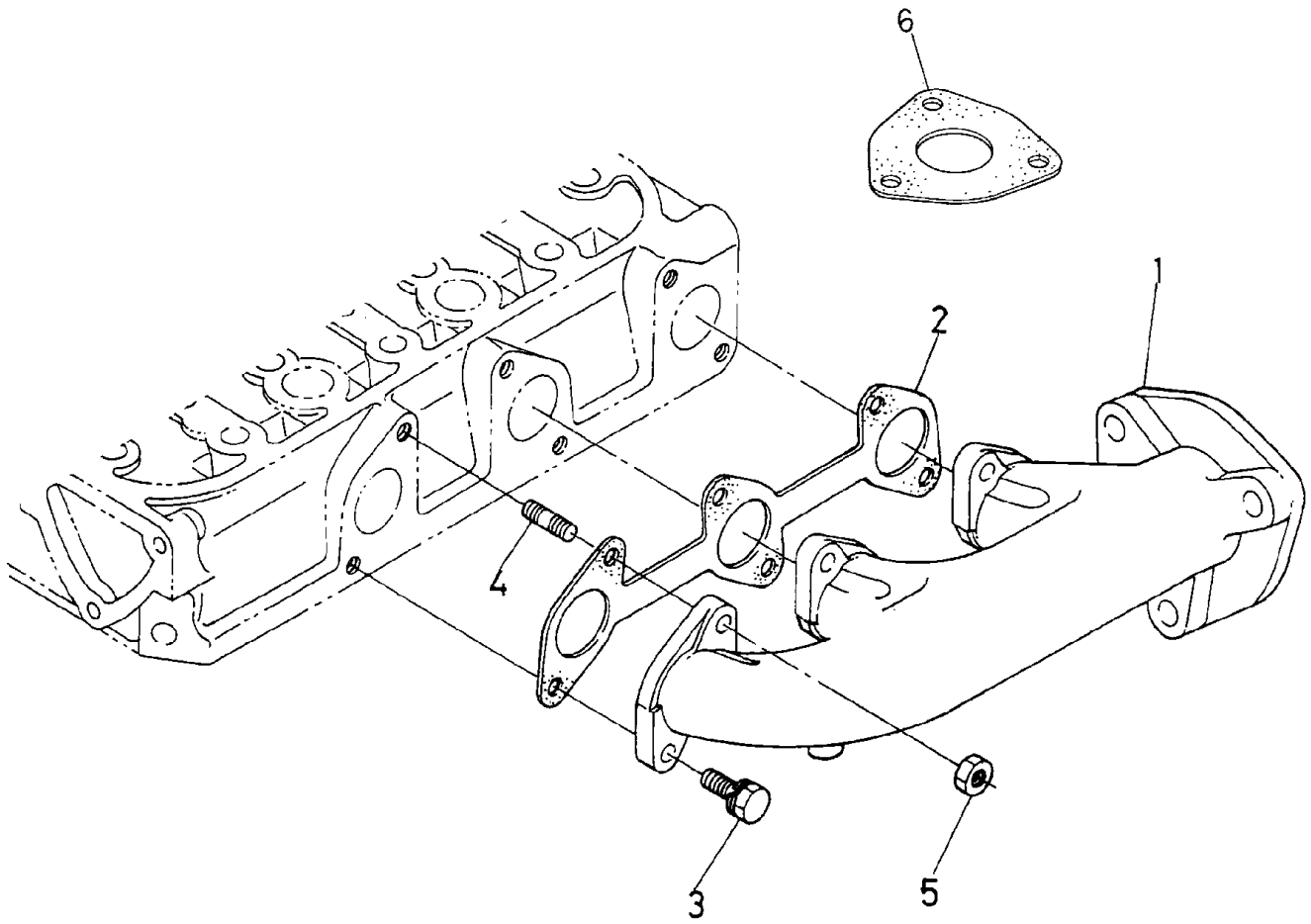
Valve and Rocker Arm Assembly

Ref.	Part Number	Qty.	Description
1	100-1821	3	Valve-Inlet
2	100-1822	3	Valve-Exhaust
3	100-1823	6	Spring-Valve
4	100-1825	6	Retainer-Spring, Valve
5	100-1826	6	Collet-Spring, Valve
6	100-2155	6	Cap-Valve
7	100-1797	6	Seal-Stem, Valve
8	100-2237	1	Shaft-Arm, Rocker
9	100-2044	2	Washer
10	100-1927	2	Washer-Plain
11	100-1762	2	Bolt
12	100-1886	3	Bracket-Arm, Rocker
13	100-1829	3	Stud
14	98-7572	3	Nut
15	98-7648	3	Washer-Plain
16	98-9367	3	Washer-Spring
17	98-7602	1	Pin-Spring
18	100-1828	2	Spring-Arm, Rocker
19	100-1884	6	Rocker Arm ASM
20	100-1885	6	Screw-Adjusting
21	100-1827	6	Nut



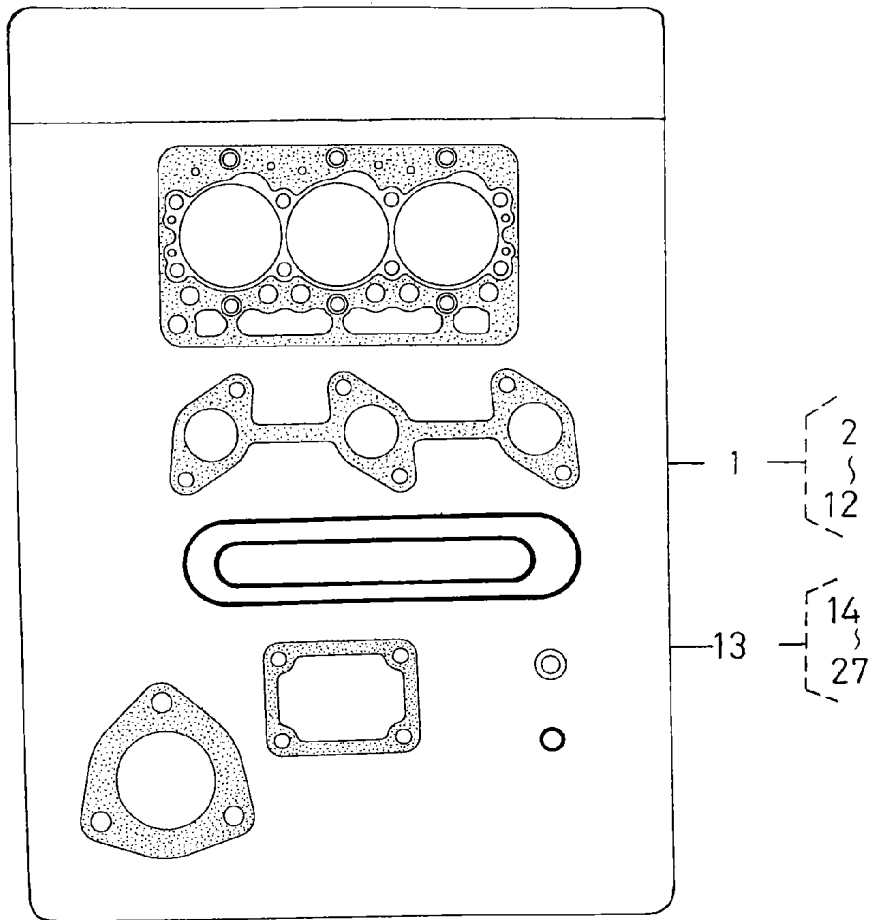
Inlet Manifold Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2235	1	Manifold-Inlet
2	100-1937	1	Gasket-Manifold, Intake
3	98-7605	2	Bolt
4	100-1765	3	Bolt
5	100-2236	1	Inlet Manifold ASM



Exhaust Manifold Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2244	1	Manifold-Exhaust
2	100-1957	1	Gasket
3	100-1775	3	Bolt
4	100-2202	3	Stud
5	100-1778	3	Nut
6	100-2238	1	Gasket-Muffler



Gasket Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-2176	1	Upper Gasket Kit	15	100-1954	1	Gasket-Case, Gear
2	98-7509	1	O-Ring	16	100-2206	3	O-Ring
3	100-2043	1	Gasket-Head, Cylinder	17	100-1929	1	Gasket-Case, Bearing
4	100-1937	1	Gasket-Manifold, Intake	18	100-1876	1	Gasket-Cover, Case
5	100-1957	1	Gasket	19	100-2209	1	O-Ring
6	100-1797	6	Seal-Stem, Valve	20	105-3776	1	O-Ring
7	100-2030	1	Gasket-Cover, Head	21	100-2003	1	Gasket-Pump, Oil
8	98-7654	3	Gasket	22	98-9636	1	Gasket-Pump, Fuel
9	99-3446	1	O-Ring	23	100-2061	1	Gasket-Gearcase
10	100-1919	1	Gasket-Flange, Water	24	100-1914	1	Gasket
11	100-2157	1	Gasket-Thermostat	25	98-7428	2	Gasket
12	100-2238	1	Gasket-Muffler	26	100-2208	1	O-Ring
13	100-2174	1	Lower Gasket Kit	27	100-2207	1	O-Ring
14	100-1976	1	Gasket-Pump, Water				

Attachments and Accessories

For 22303 Dingo 320-D Compact Utility Loader

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
CE Kit	22360
Auger Head	22400
4 Cubic Foot Standard Bucket	22409
Loose Materials Bucket	22410
Four In One Bucket.....	22411
48in Hydraulic Blade.....	22414
Rotary Broom	22415
Counterweight	22417
Adjustable Forks	22418
Leveler.....	22419
Bore Drive Head	22420
Multi-Purpose Tool.....	22423
U-Blade.....	22424
Stump Grinder	22429
Tree Forks	22438
Concrete Breaker	22441
The Eliminator Scarifier/Groomer	22443
40in Tiller	22445
Trencher Head.....	22447
Snowthrower.....	22456
Trencher Head.....	22459
Narrow Bucket.....	22520
Over-the-Tire Rubber Tracks	22662
Steel Track Kit	22665
Auger Head	22802
Universal Swivel Auger Head	22803
Vibratory Plow	22910
Soil Cultivator	23101
Backhoe.....	23160
Wheel and Tire ASM.....	98-4709
RH Wheel And Tire ASM (Powerlug)	99-3140
LH Wheel And Tire ASM (Powerlug).....	99-3141



Count on it.