



**Count on it.**

**Parts Catalog**

**Z580-D Z Master®**

**With 152cm TURBO FORCE® Side Discharge  
Mower**

**Model No. 74265TE—Serial No. 290000001 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.

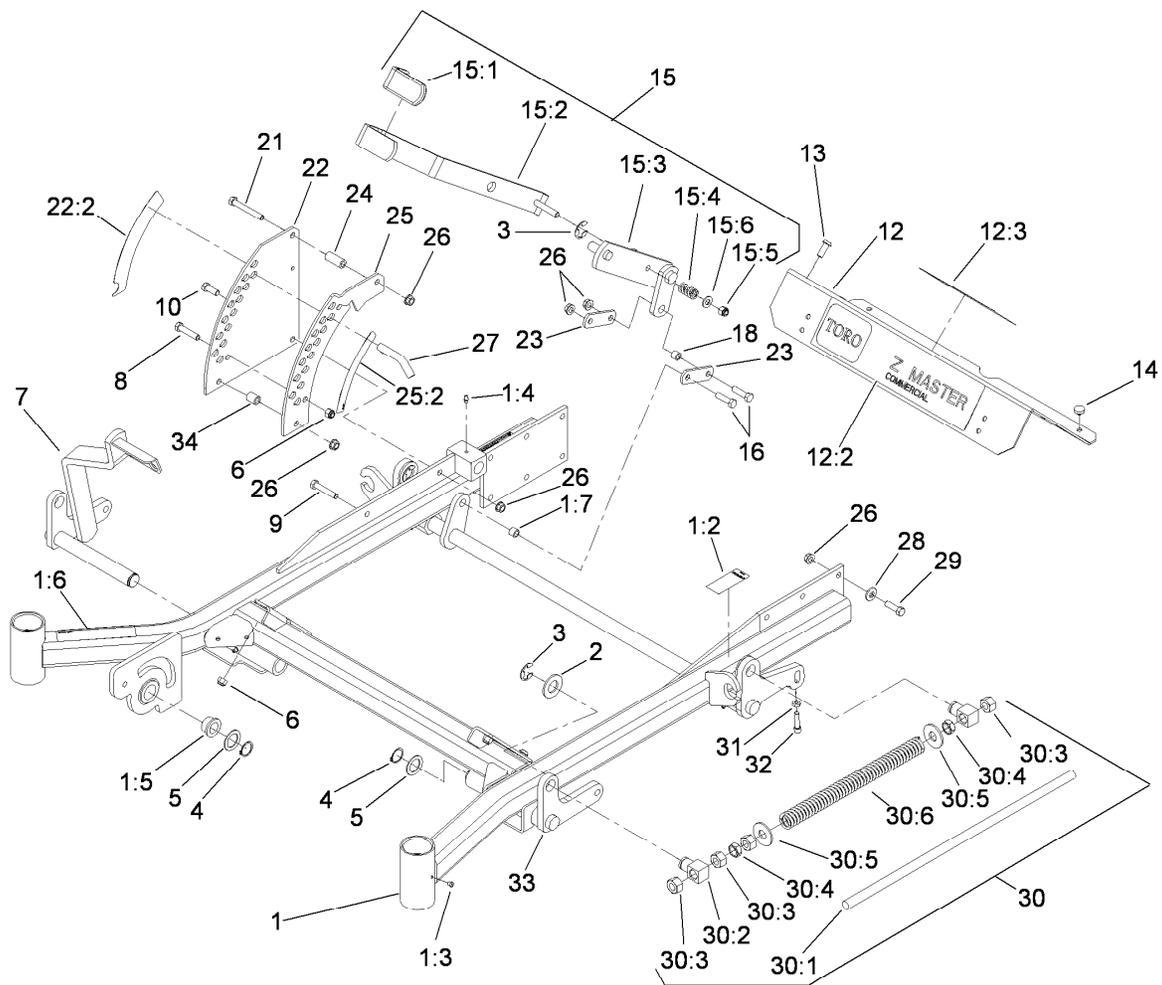
For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

# List of Abbreviations

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

# Contents

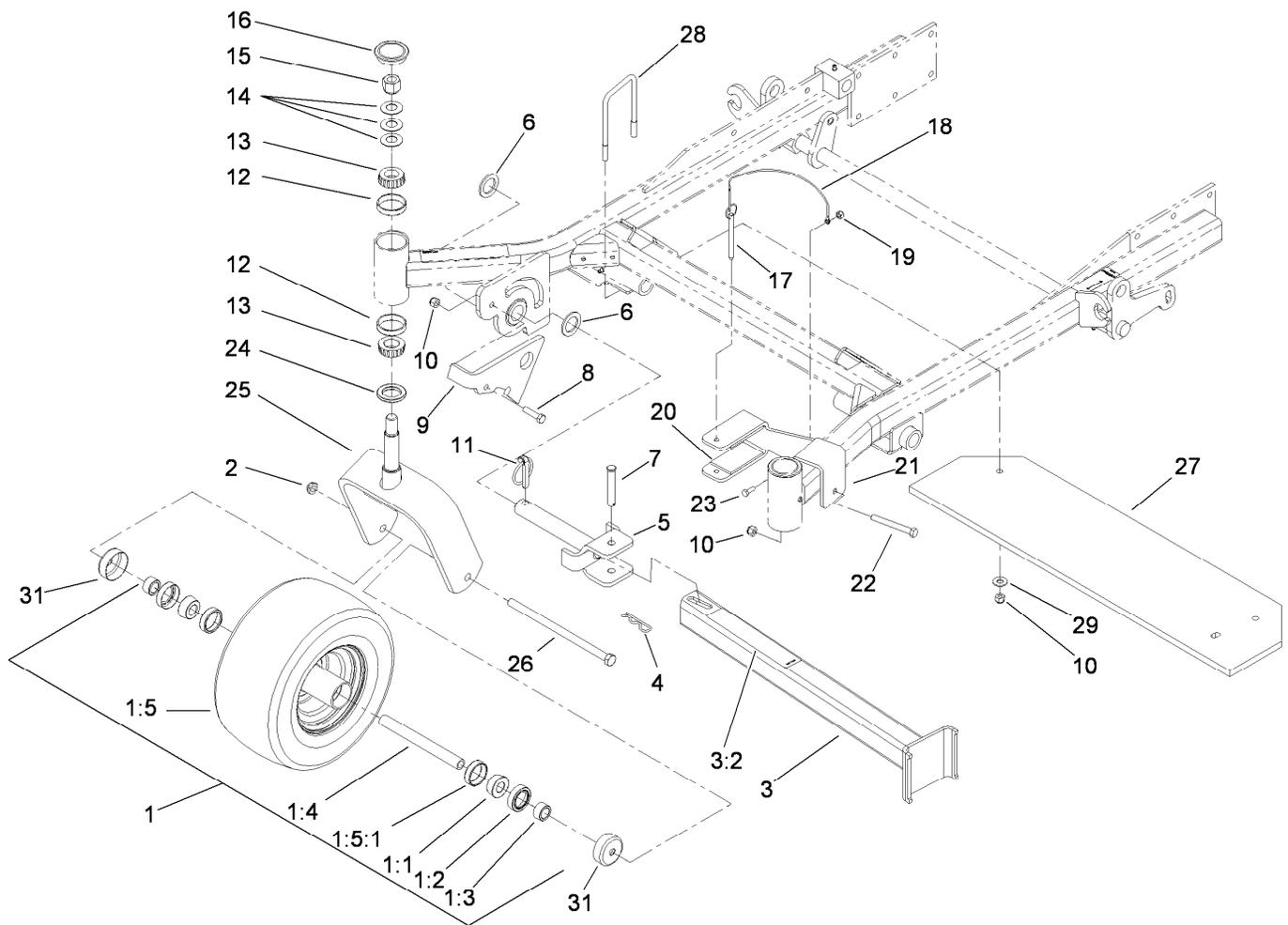
Front Frame Assembly	4
Fork, Caster Wheel and Z Stand Assembly	5
Traction Frame and Floor Pan Assembly	6
Seat and Roll-Over Protection System Assembly	7
Deluxe Seat Assembly No. 110-0838	8
Roll-Over Protection System Assembly No. 110-0877	9
Main Frame and Rear Wheel Assembly	10
Hydro Control Assembly	11
Engine, Exhaust and Air Intake Assembly	12
Air Cleaner Assembly No. 93-2190	13
Hydro and Gearbox Assembly	14
Gearbox Assembly No. 107-9887	15
Hydraulic Tank, Motor and Pump Assembly	16
Tandem Pump Assembly No. 107-9885	18
Hydraulic Motor Assembly No. 112-8357 (CCW)	19
Hydraulic Motor Assembly No. 112-8358 (CW)	20
Fuel System and Throttle Control Assembly	21
Fuel Line Assembly	22
Engine Housing Assembly	23
Cooling System Assembly	24
Hood Assembly	25
Deck Connection Assembly	26
Deck Assembly	27
Deck Decal Assembly No. 114-4489	29
Spindle Assembly No. 108-7713	30
Lever Assembly No. 107-1664	31
Rubber Deflector Assembly No. 108-2792	32
Electrical Assembly	33
Crankcase Assembly	34
Oil Pan Assembly	35
Cylinder Head Assembly	36
Gear Case and Oil Filter Cartridge Assembly	37
Cylinder Head Cover Assembly	38
Dipstick, Guide and Oil Pump Assembly	39
Main Bearing Case Assembly	40
Cam Shaft and Idle Gear Assembly	41
Piston and Crankshaft Assembly	42
Flywheel and Fuel Camshaft Assembly	43
Idle Apparatus and Stop Solenoid Assembly	44
Injection Pump and Governor Assembly	45
Speed Control Plate Assembly	46
Nozzle Holder Assembly	48
Nozzle Holder and Glow Plug Assembly	50
Alternator Components Assembly	51
Alternator, Pulley and Fuel Pump Cover Assembly	52
Starter Assembly	53
Starter Components Assembly	54
Water Flange and Thermostat Assembly	55
Valve and Rocker Arm Assembly	56
Inlet and Exhaust Manifold Assembly	57
Upper and Lower Gasket Kits	58
Attachments and Accessories	59



## Front Frame Assembly

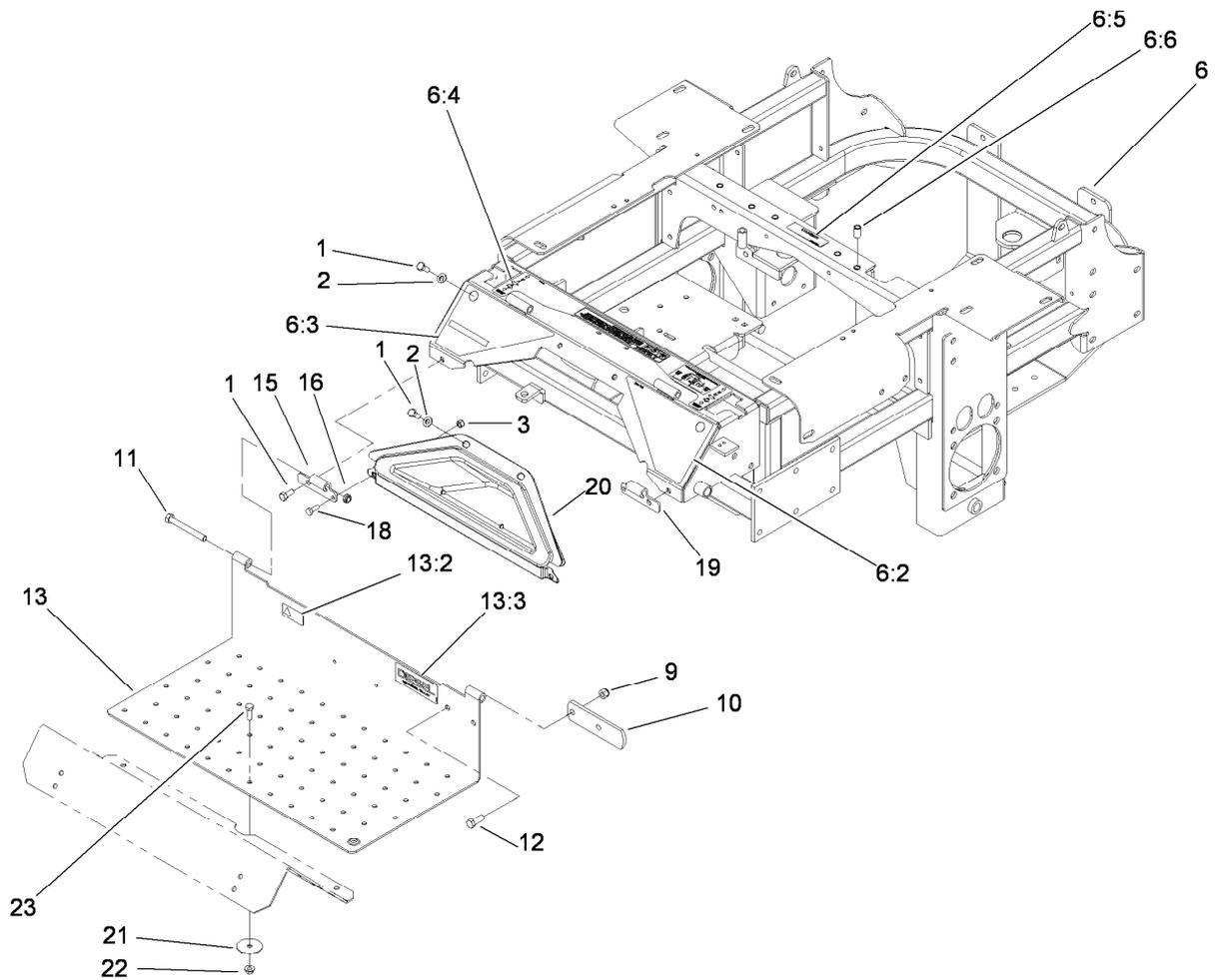
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	107-3980	1	Frame ASM	15:5	3296-39	1	Nut-Lock, NI
1:2	107-3968	1	Decal-Brake, Parking	15:6	3256-24	1	Washer-Flat
1:3	1-811010	2	Plug	16	323-29	2	Screw-HH
1:4	302-19	5	Fitting-Grease	18	103-1918	1	Bushing
1:5	94-1291	2	Bushing	21	323-11	1	Screw-HH
1:6	107-3969	1	Decal-Warning	22	117-0367	1	Plate-HOC, Outer
1:7	103-1918	1	Bushing	22:2	107-3961	1	Decal-Deck Height, Large
2	3256-29	4	Washer-Flat	23	1-633068	2	Arm-Lift, Deck
3	32151-103	5	Ring-Retaining, EXT	24	1-633082	1	Bushing-Lever, Lift
4	32151-29	2	Ring-Retaining	25	117-0370	1	Plate-HOC, Inner
5	1-523157	2	Washer-Spacer	25:2	107-3962	1	Decal-Deck Height, Small
6	3296-39	5	Nut-Lock, NI	26	3290-357	17	Nut-HHF, Whiz
7	108-7786-01	1	RH Front Deck Lift ASM	27	109-8757	1	Pin-HOC
8	323-9	1	Screw-HH	28	98-5975	12	Washer-Belleville
9	323-10	1	Screw-HH	29	323-7	12	Screw-HH
10	323-6	1	Screw-HH	30		2	Front Frame Spring ASM ●
12	107-3976	1	Footrest	30:1	1-633096	1	Rod-Lift, Deck
12:2	106-7451	1	Decal	30:2	1-633441	2	Swivel-Deck Mount, Rear
12:3	107-1866	1	Decal-Danger, Slope	30:3	3217-11	4	Nut-Hex
13	3274-94	4	Screw-HSBH	30:4	3218-6	2	Nut-Jam
14	1-513658	2	Bumper	30:5	3256-7	2	Washer-Flat
15	110-5860	1	Deck Lift Handle ASM	30:6	1-633064	1	Spring-Support, Deck
15:1	1-633295	1	Grip-Lever, Lift	31	3218-2	2	Nut-Jam
15:2	103-2083	1	Lever-Lift	32	3274-18	2	Screw-HSH
15:3	103-2064	1	Arm-Lift, Deck	33	106-8984-01	1	LH Deck Lift ASM
15:4	1-633325	1	Spring-Compression	34	1-633080	1	Bushing-Lever, Lift

● Not serviced separately



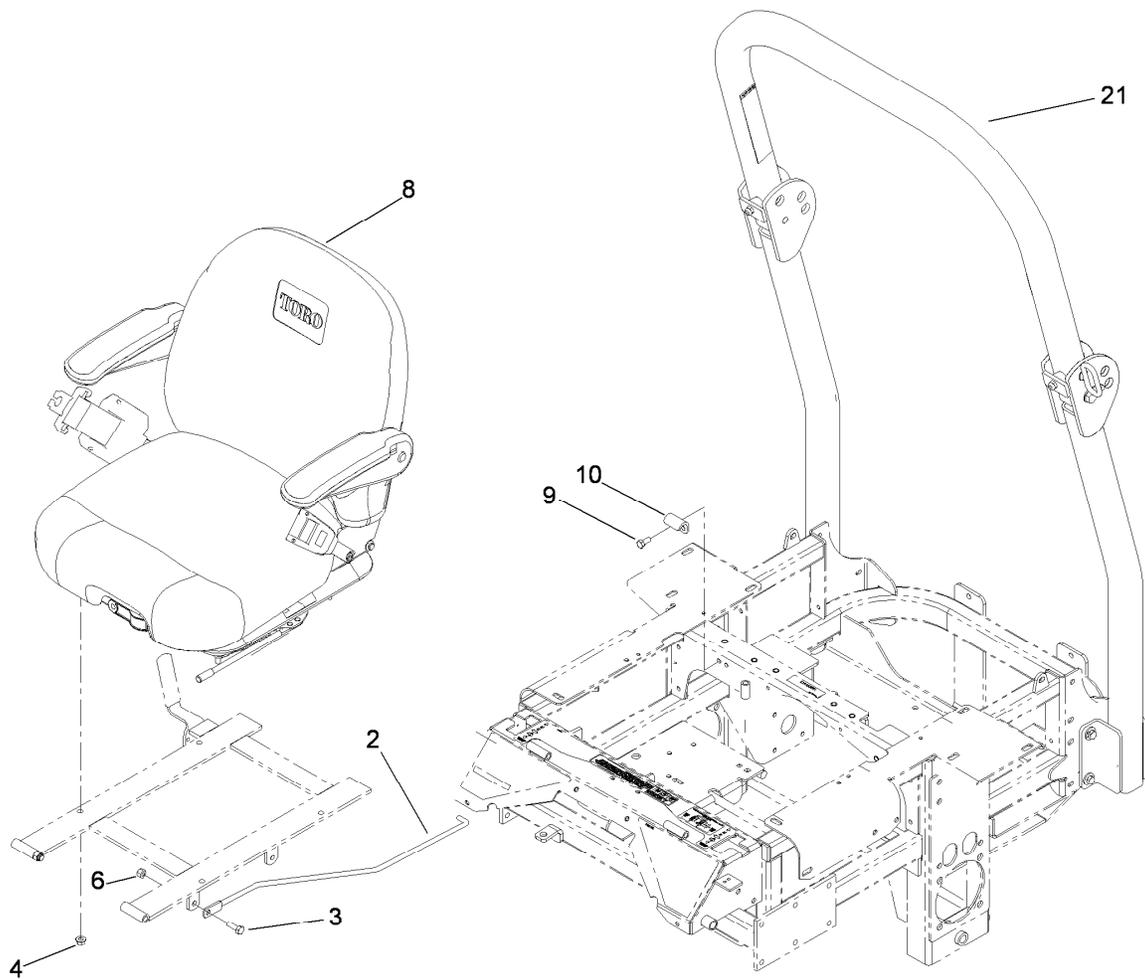
## Fork, Caster Wheel and Z Stand Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	109-9125	2	Wheel And Tire ASM	13	254-94	4	Bearing-Cone, Tapered
1:1	1-633585	2	Bearing-Cone, Taper	14	1-633508	6	Washer-Bellville
1:2	103-0063	2	Seal-Caster	15	3296-51	2	Nut-Lock, NI
1:3	103-3051	2	Spacer-Nut	16	103-4882	2	Cap-Grease
1:4	103-5156	1	Axle-Caster	17	105-1647	1	Pin-Hitch, Cotterless
1:5	109-9124	1	Wheel And Tire ASM	18	100-9385	1	Lanyard-Nylon
1:5:1	1-633584	1	Bearing-Cup	19	3296-42	1	Nut-Lock, NI
2	3296-45	2	Nut-Lock, NI	20	100-6547	2	Cushion-Rubber
3	107-1874	1	Leg ASM	21	100-6542-01	1	Bracket-Cradle
3:2	106-7464	1	Decal-Z Stand	22	323-20	1	Screw-HH
4	3290-355	1	Pin-Hair	23	321-4	1	Screw-HH
5	100-9692-01	1	Pivot Pin ASM	24	1-543511	2	Seal-Grease
6	3-6781	2	Washer-Thrust	25	103-1474-01	2	Caster-Fork
7	283-55	1	Pin-Clevis	26	325-39	2	Screw-HH
8	323-8	1	Screw-HH	27	107-9854-01	1	Bar-Weight
9	100-9686-01	1	Bracket-Latch	28	110-0817	2	U-Bolt, 3 Inch
10	3296-39	6	Nut-Lock, NI	29	3256-4	4	Washer-Flat
11	283-71	1	Pin-Lynch	31	103-2768	4	Guard-Seal
12	254-72	4	Bearing-Cup, Tapered				



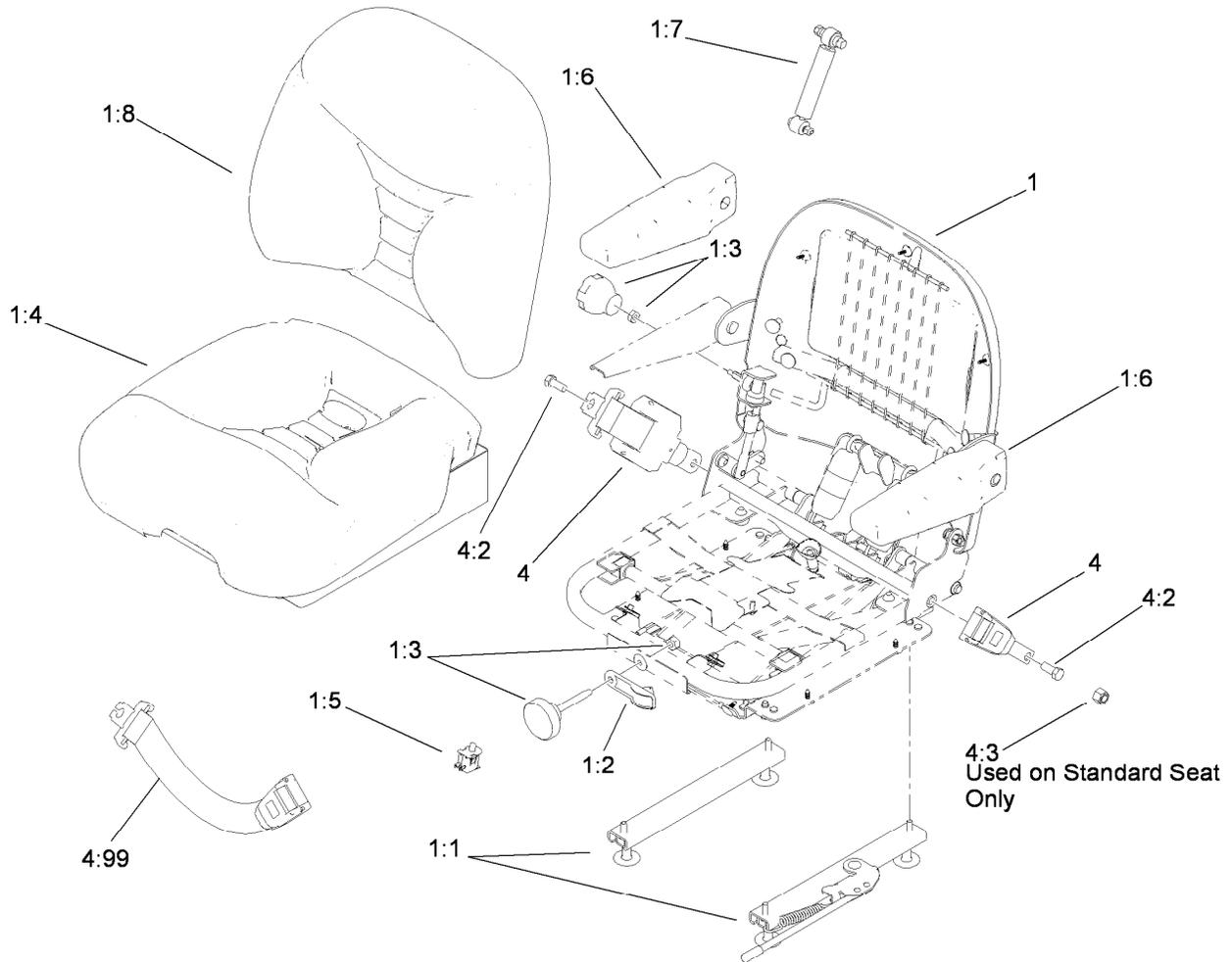
## Traction Frame and Floor Pan Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	322-43	6	Screw-HH
2	3256-70	4	Washer-Flat
3	3296-42	2	Nut-Lock, NI
6	115-2757	1	Traction Frame ASM
6:2	107-3963	1	Decal-Danger, Left
6:3	107-3964	1	Decal-Warning, Right
6:4	110-0820	1	Decal-Console, Top (Ce)
6:5	98-1977	1	Decal-Warning
6:6	32148-11	5	Insert-Threaded
9	3296-39	2	Nut-Lock, NI
10	1-633964-03	1	Stop-Brake, Park
11	323-20	2	Screw-HH
12	323-6	2	Screw-HH
13	115-3851	1	Floor Pan ASM
13:2	98-4387	1	Decal-Protection, Ear
13:3	114-5879	1	Decal-Diesel, Bio-Ready
15	106-7488-03	1	Hinge-Floorpan, LH
16	3296-59	2	Nut-Lock, NI
18	321-4	2	Screw-HH
19	106-7489-03	1	Hinge-Floorpan, RH
20	106-7498	1	Pocket
21	1-653036	1	Washer
22	32128-25	1	Nut-HF
23	322-4	1	Screw-HH



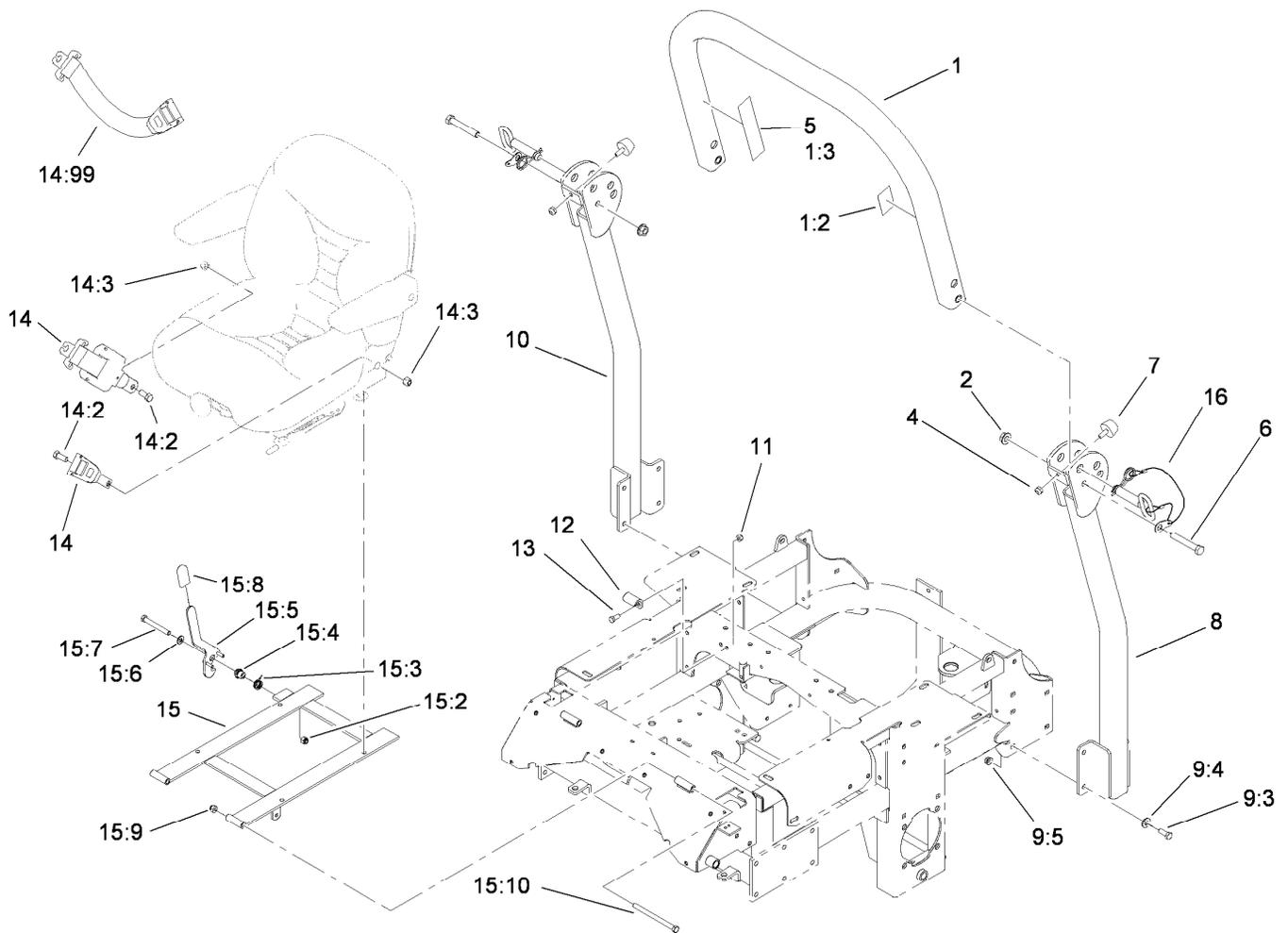
## Seat and Roll-Over Protection System Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	108-5341	1	Rod-Prop, Seat
3	322-5	1	Screw-HH
4	32128-20	4	Nut-HF
6	3296-29	3	Nut-Lock, NI
8	110-0838	1	Deluxe Seat ASM
9	322-3	2	Screw-HH
10	107-3058	1	Catch-Latch, Seat
21	110-0877	1	ROPS Kit



## Deluxe Seat Assembly No. 110-0838

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	112-8355	1	Seat-Suspension
1:1	107-1880	1	Seat Track Kit
1:2	107-1885	1	Weight Indicator Kit
1:3	107-1881	1	Knob Kit
1:4	107-1883	1	Bottom Cushion Kit
1:5	82-2190	1	Switch-Bail
1:6	107-1887	1	Armrest Kit
1:7	107-1884	1	Shock Absorber Kit
1:8	112-8356	1	Cushion-Back
4	110-0883	1	Retractable Seatbelt Kit
4:2	3212-4	2	Screw-HH
4:3	3296-7	2	Nut-Lock
4:99	109-6226	1	Seat Belt Extension Kit

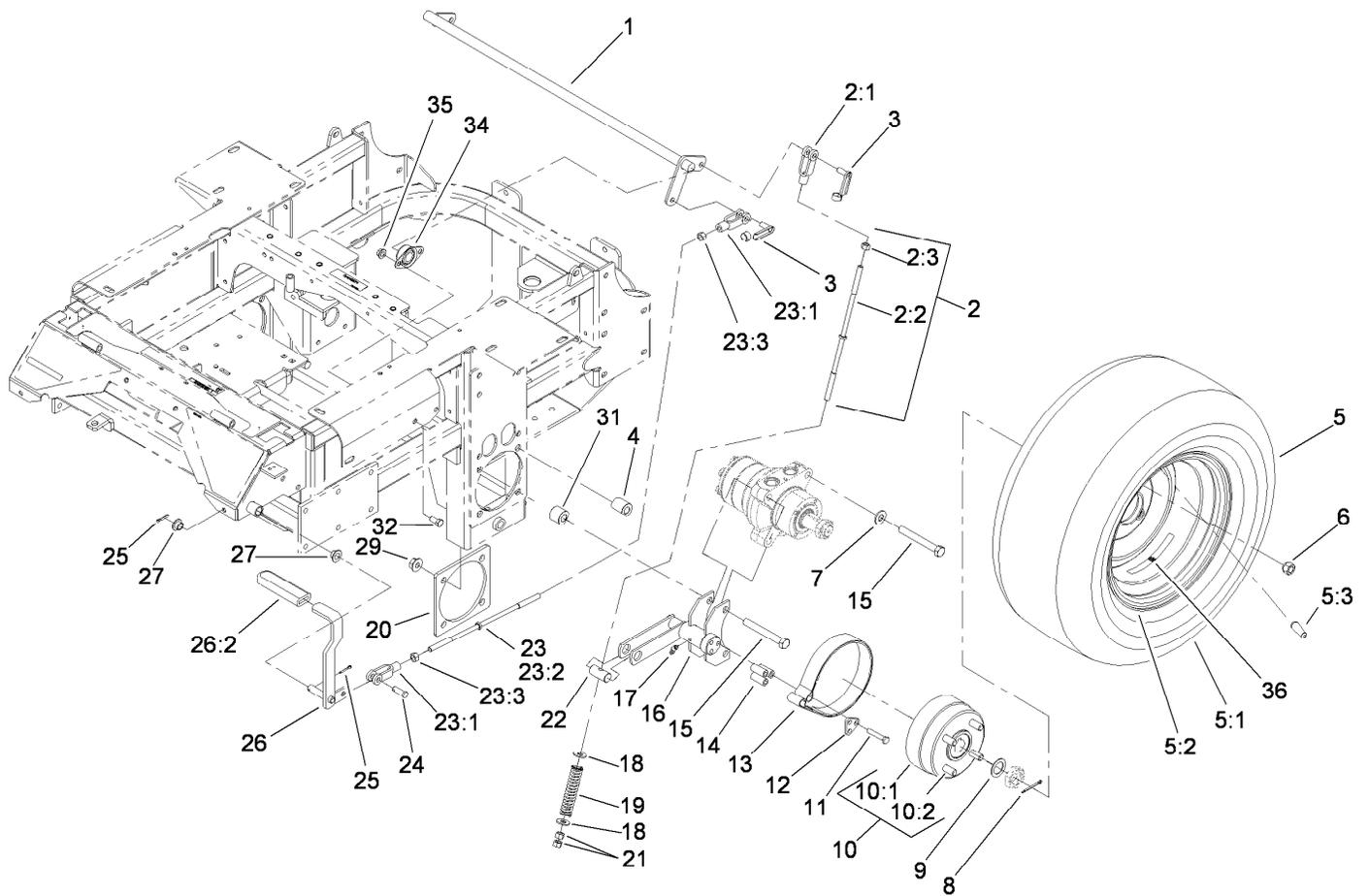


## Roll-Over Protection System Assembly No. 110-0877

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1		1	Upper Tube ASM ■	12	107-3058	1	Catch-Latch, Seat
1:2	107-2101	1	Decal-ROPS	13	322-3	2	Screw-HH
1:3	107-2102	1	Decal-Warning, Folding	14	110-0883	1	Retractable Seatbelt Kit
			ROPS	14:2	3212-4	2	Screw-HH
2	32128-23	2	Nut-HF	14:3	3296-7	2	Nut-Lock
4	3296-73	2	Nut-Lock, NI	14:99	109-6226	1	Seat Belt Extension Kit
5	107-3069	1	Decal-Warning, Folding	15	110-0874	1	Seatframe ASM
			ROPS	15:2	3296-39	1	Nut-Lock, NI
6	325-13	2	Screw-HH	15:3	107-0076	1	Spring-Torsion
7	109-2365	2	Bumper-Rubber (W/Stud)	15:4	107-0075	1	Bushing-Latch, Seat
8		1	Tube-Support, LH ■	15:5	107-3083	1	Latch ASM
9		1	Bag-Bolt, ROPS ● ■	15:6	3256-24	1	Washer-Flat
9:3	323-6	8	Screw-HH	15:7	323-20	1	Screw-HH
9:4	98-5975	8	Washer-Belleville	15:8	103-4434	1	Grip-Lever
9:5	3290-357	8	Nut-HHF, Whiz	15:9	3296-39	2	Nut-Lock, NI
10		1	Tube-Support, RH ■	15:10	323-39	2	Screw-HH
11	3296-29	2	Nut-Lock, NI	16	103-4553	2	ROPS Fold Pin ASM

● Not illustrated

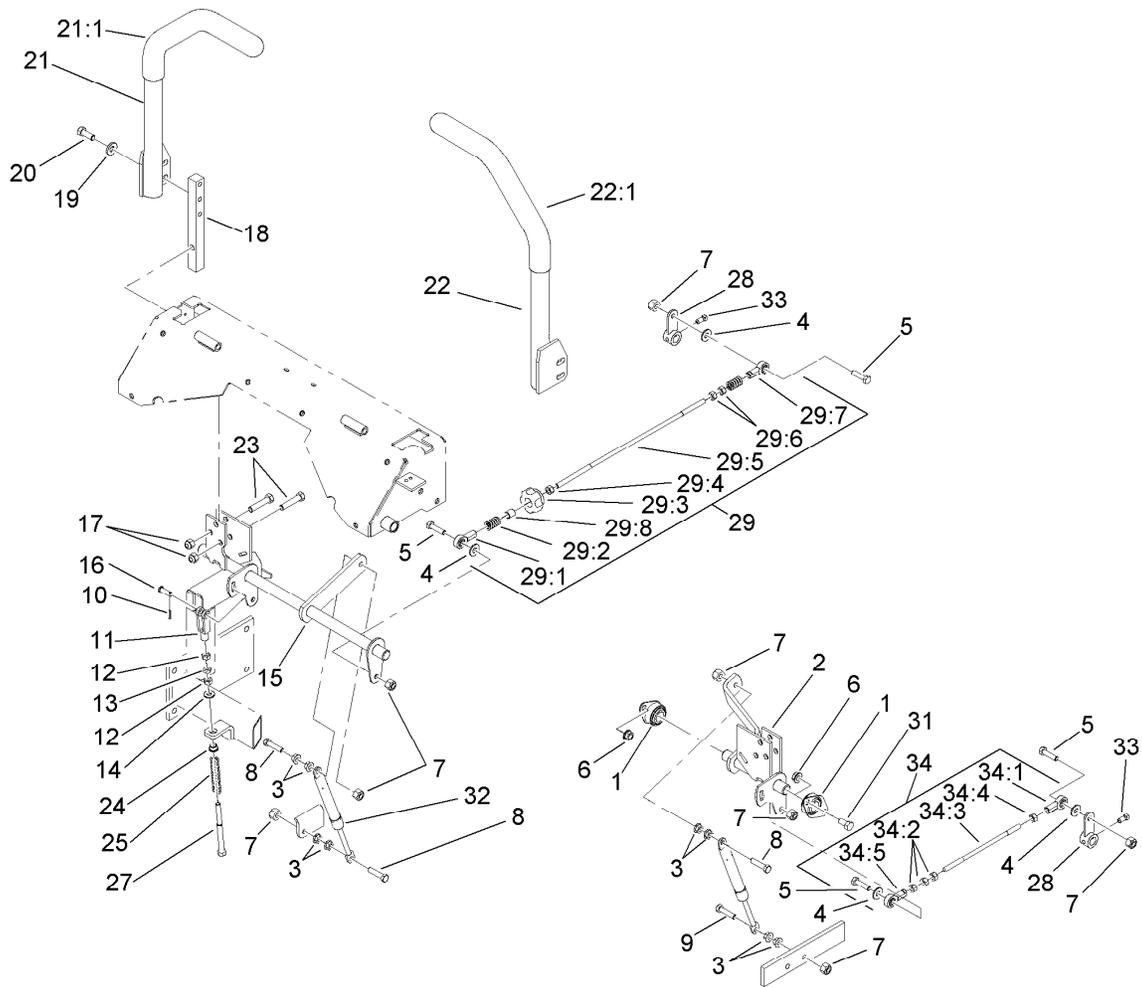
■ Not serviced separately



## Main Frame and Rear Wheel Assembly

Ref.	Part Number	Qty.	Description
1	1-632217-03	1	Shaft-Brake
2	108-5963	2	Brake Rod ASM
2:1	1-633131	1	Yoke-Linkage, Brake
2:2	108-5980	1	Rod-Brake
2:3	3219-3	1	Nut-Hex
3	103-2399	3	Pin-Spring, Clevis
4	114-1185	4	Spacer-Wheel, Long
5	109-8972	2	Wheel And Tire ASM
5:1	1-633993	1	Tire
5:2	109-3156	1	Rim ASM
5:3	232-27	1	Stem-Valve
6	242-50	8	Nut-Lug
7	87-7270	4	Washer-Thrust
8	1-806800	2	Pin-Cotter
9	1-523157	2	Washer-Spacer
10	103-0590	2	Hub And Wheel ASM
10:1	103-0589	1	Wheel Hub ASM
10:2	1-633926	4	Stud-Wheel
11	322-9	6	Screw-HH
12	103-0374	2	Retainer-Band, Brake
13	103-0355	2	Band-Brake
14	103-0384	6	Spacer
15	325-18	8	Screw-HH

Ref.	Part Number	Qty.	Description
16	103-0352-03	2	Bracket-Brake
17	1481	2	Fitting-Grease
18	3256-4	4	Washer-Flat
19	1-633454	2	Spring-Brake
20	103-3271-03	2	Plate-Reinforcement
21	3219-3	4	Nut-Hex
22	1-633144	2	Pin-Trunion
23	108-5962	1	Brake Rod ASM
23:1	1-633131	2	Yoke-Linkage, Brake
23:2	1-633477	1	Rod-Brake
23:3	3219-3	2	Nut-Hex
24	1-808285	1	Pin-Clevis
25	3272-10	2	Pin-Cotter
26	1-634500	1	Brake Lever ASM
26:2	1-633268	1	Grip-Lever
27	1-513140	2	Bearing-Control
29	32128-49	8	Nut-HHF
31	114-1184	4	Spacer-Wheel, Short
32	323-4	4	Screw-HH
34	1-633102	2	Bearing-Flange, Side
35	3290-357	4	Nut-HHF, Whiz
36	109-7949	2	Decal

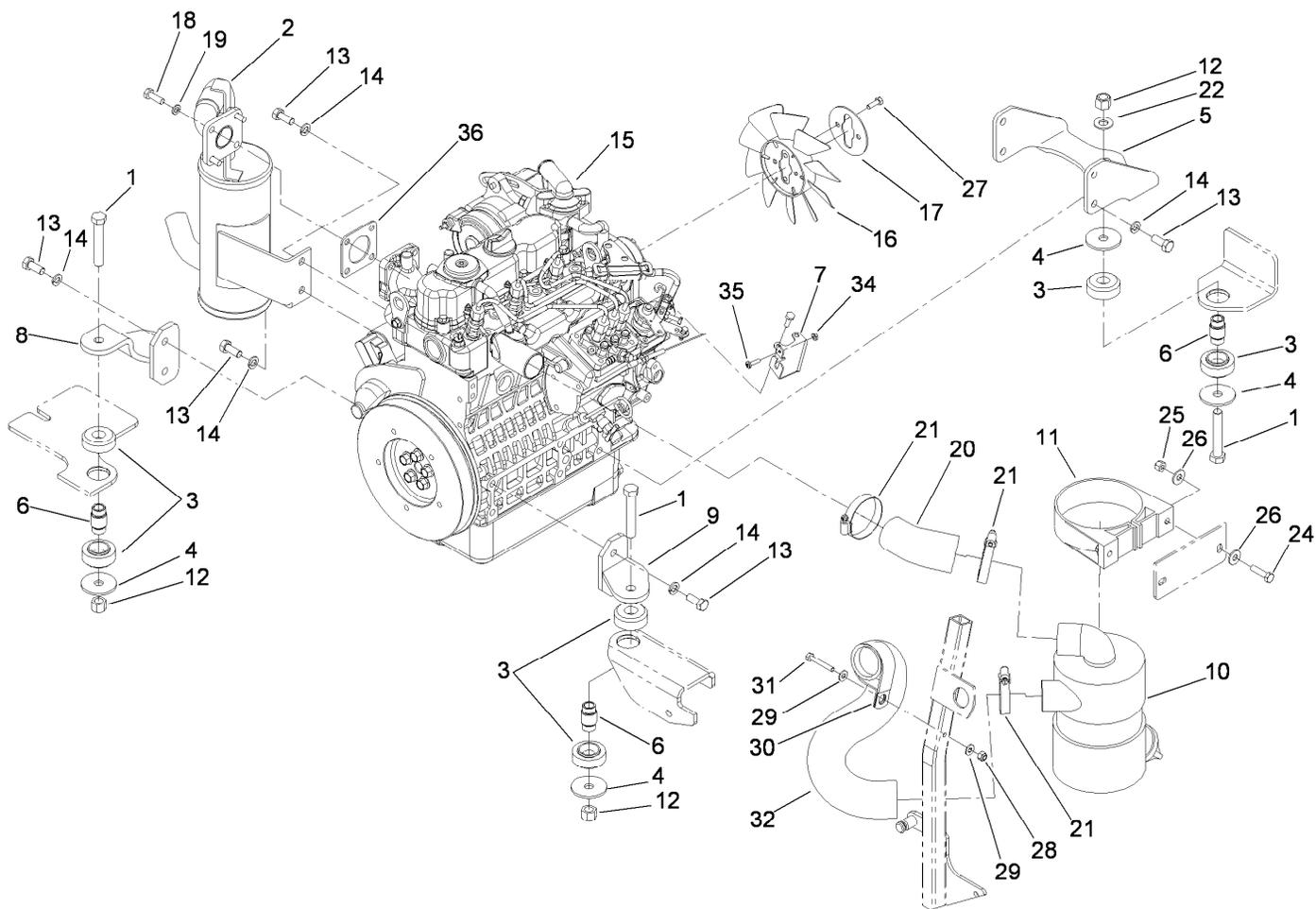


## Hydro Control Assembly

Ref.	Part Number	Qty.	Description
1	1-633102	4	Bearing-Flange, Side
2	107-3480	1	LH Motion Control ASM
3	32128-20	10	Nut-HF
4	3256-3	4	Washer-Flat
5	322-6	4	Screw-HH
6	3290-357	6	Nut-HHF, Whiz
7	3296-29	8	Nut-Lock, NI
8	1-403180	3	Screw-HH
9	322-41	1	Screw-HH
10	3272-5	2	Pin-Cotter
11	1-303105	2	Yoke-Adjustable
12	3219-2	4	Nut-Hex
13	3220-2	2	Nut-Jam
14	3256-2	2	Washer-Flat
15	107-3481	1	RH Motion Control ASM
16	1-808280	2	Pin-Clevis
17	3296-39	6	Nut-Lock, NI
18	103-0407	2	Arm-Shaft, Control
19	98-5975	4	Washer-Belleville
20	323-6	4	Screw-HH
21	108-7237	1	RH Lever ASM
21:1	106-9987	1	Grip-Control, Motion
22	108-7238	1	LH Lever ASM
22:1	106-9987	1	Grip-Control, Motion

Ref.	Part Number	Qty.	Description
23	323-9	6	Screw-HH
24	1-603735	2	Bushing-Flanged
25	1-603807	2	Spring-Return, Neutral
27	1-603737	2	Bolt-Return, Neutral
28	107-3470-03	2	Hydraulic Control Arm ASM
29	107-3474	1	RH Control Rod ASM ●
29:1	1-543017	1	Balljoint-RH
29:2	1-323245	2	Spring-Compression
29:3	103-3060	1	Knob-Tracking
29:4	3219-2	1	Nut-Hex
29:5	107-3472	1	Rod-Control, RH ●
29:6	1-804524	2	Nut
29:7	1-633152	1	Balljoint-LH
29:8	103-1166	1	Spacer-Tube, Pump Link
31	323-4	6	Screw-HH
32	109-2339	2	Damper-Control, Motion
33	1-803022	2	Screw-Set
34	107-3475	1	LH Control Rod ASM ●
34:1	1-543017	1	Balljoint-RH
34:2	3219-2	3	Nut-Hex
34:3	107-3473	1	Rod-Control, LH ●
34:4	1-804524	1	Nut
34:5	1-633152	1	Balljoint-LH

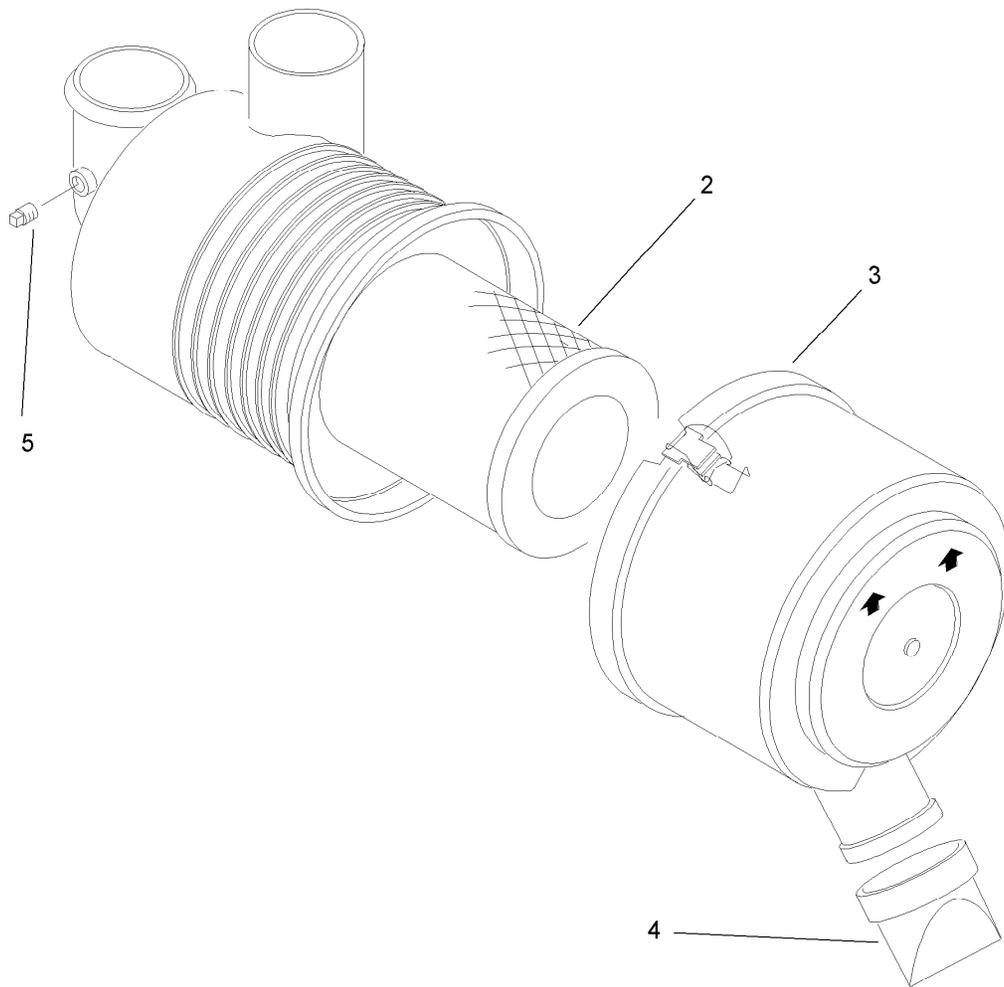
● Not serviced separately



## Engine, Exhaust and Air Intake Assembly

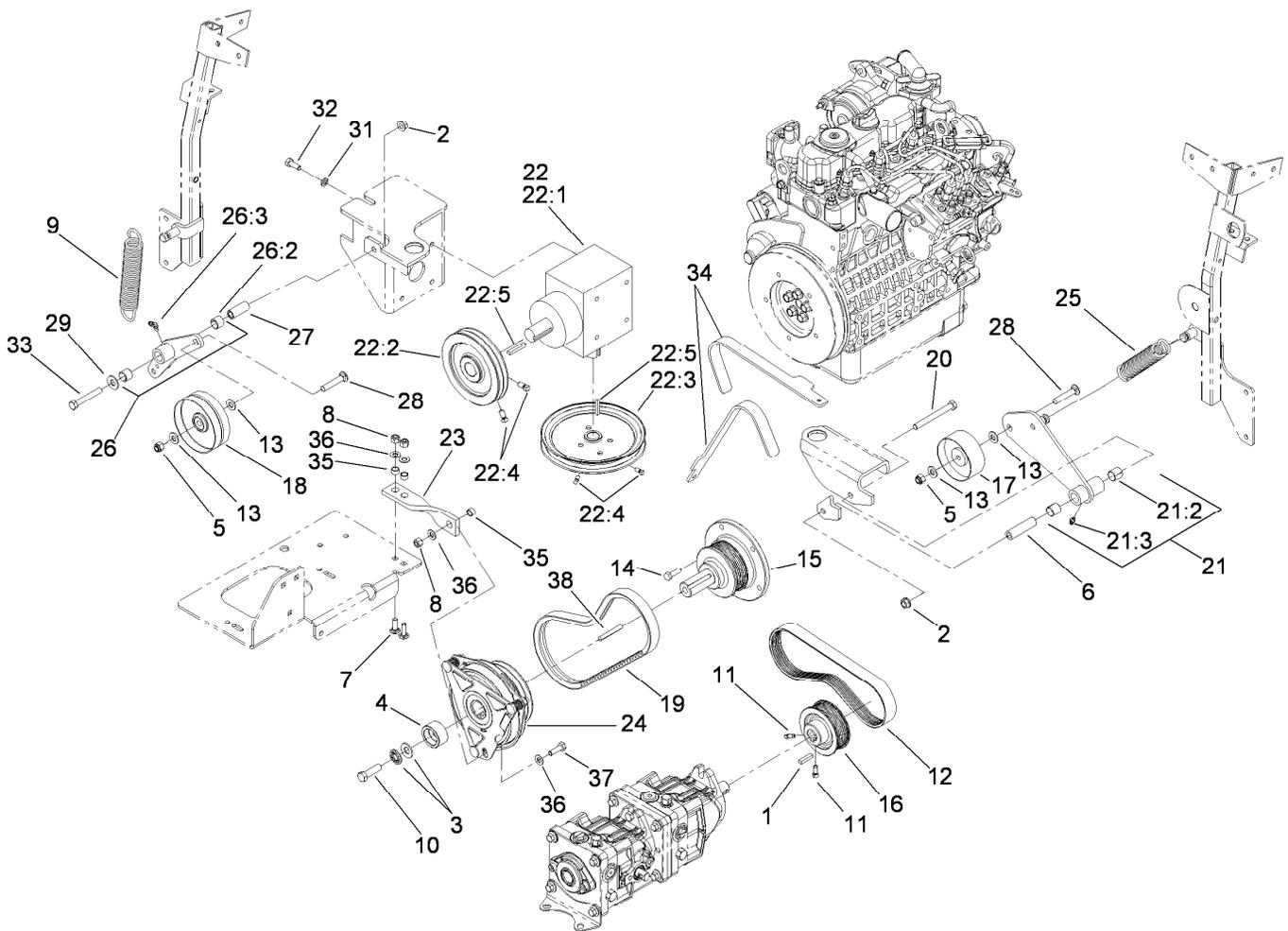
Ref.	Part Number	Qty.	Description
1	325-12	3	Screw-HH
2	107-9909	1	Muffler
3	107-9914	3	Mount-Isolation
4	55-7960	4	Washer-Large
5	107-9917-03	1	Bracket-Engine Mount, Rear
6	110-0300	3	Spacer
7	108-5922	1	Bracket-Support, Throttle
8	107-9920-03	1	RH Engine Support ASM
9	107-9930-03	1	LH Engine Support ASM
10	93-2190	1	Air Cleaner ASM
11	95-5806	1	Bracket-Mounting
12	3296-23	3	Nut-Lock, NI
13	43-0090	10	Screw-HH
14	42-9600	10	Washer-Lock, Spring
15	114-8220	1	Engine Kubota
16	110-0814	1	Fan
17	110-0816	1	Plate-Retainer, Fan

Ref.	Part Number	Qty.	Description
18	33114-025	4	Screw-HH
19	3253-4	4	Washer-Lock
20	108-5371	1	Hose-Intake, Air Cleaner
21	1-643009	3	Clamp-Hose
22	3256-26	1	Washer-Flat
24	322-6	2	Screw-HH
25	3296-29	2	Nut-Lock, NI
26	3256-23	4	Washer-Flat
27	33113-020	2	Screw-HH
28	3296-42	1	Nut-Lock, NI
29	3256-22	2	Washer-Flat
30	1-643241	1	Clip-Loom
31	321-10	1	Screw-HH
32	108-5370	1	Hose-Intake, Engine
34	3217-26	1	Nut-Hex
35	110-0863	1	Screw-Torx
36	99-8343	1	Gasket-Muffler



## Air Cleaner Assembly No. 93-2190

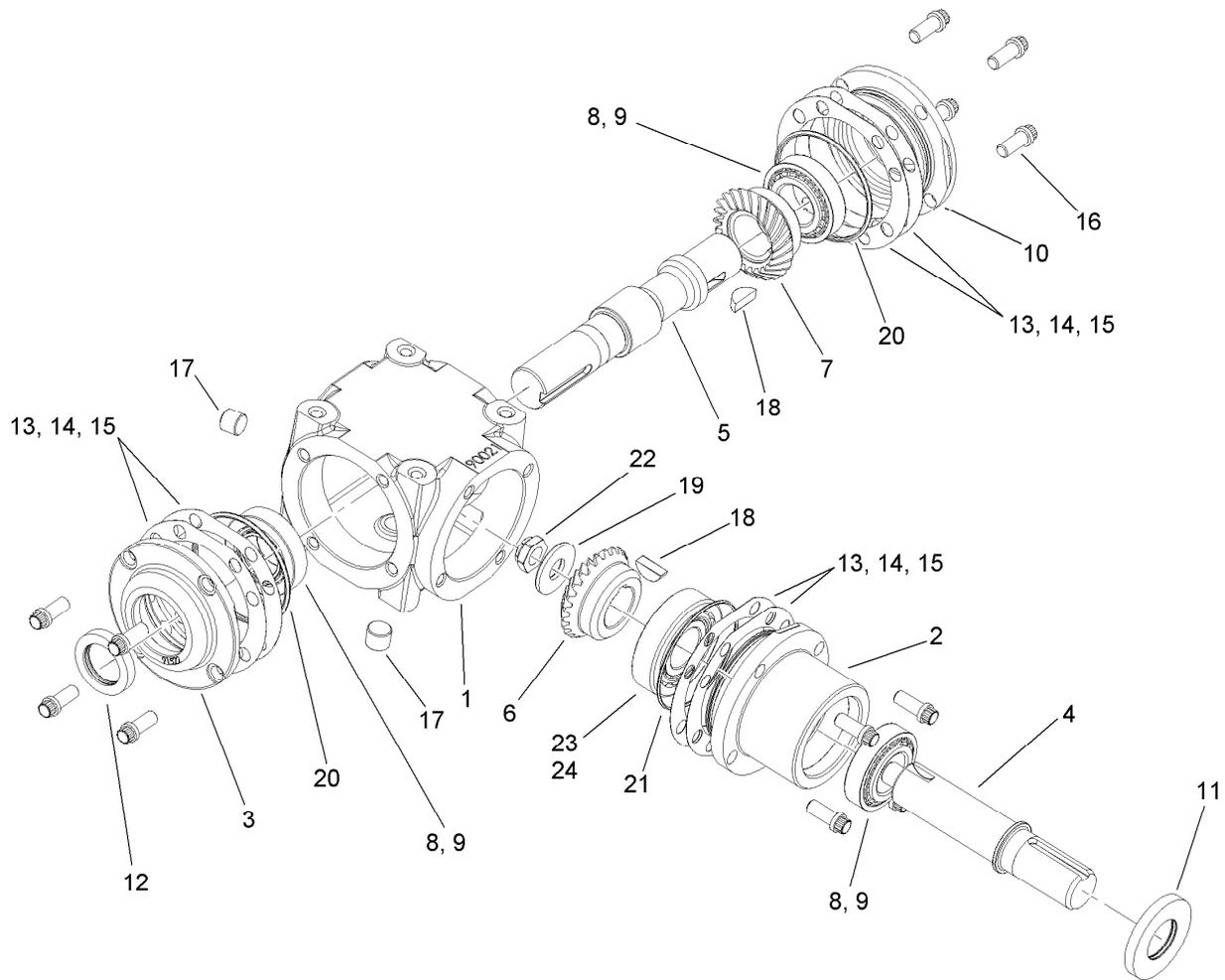
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	108-3811	1	Filter-Air
3	94-3652	1	Cover ASM
4	87-9400	1	Valve-Vacuator
5	285-17	1	Plug-Pipe



## Hydro and Gearbox Assembly

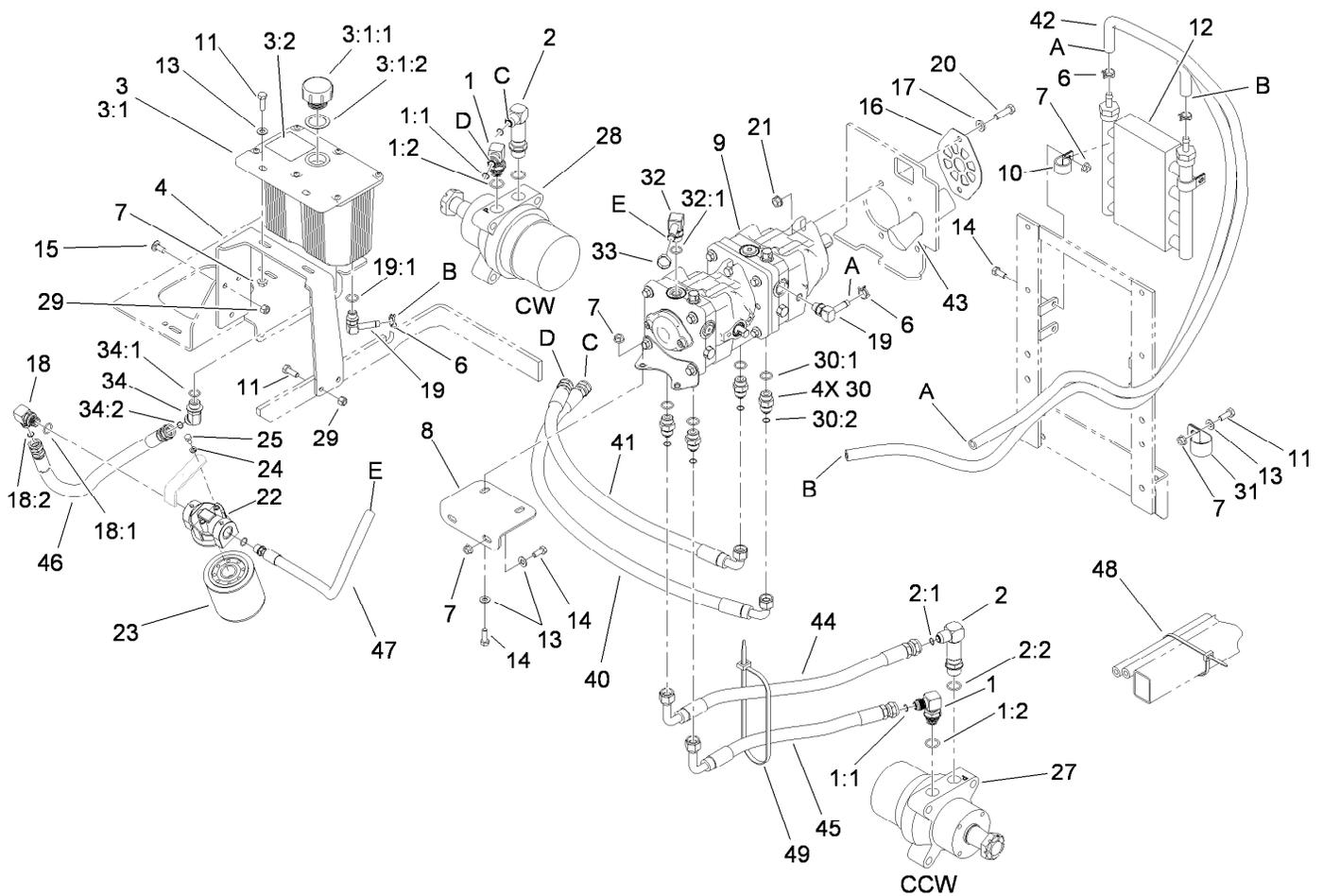
Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	5-0698	1	Key	22:1	107-9887	1	Gearbox-90 DEG
2	3290-357	2	Nut-HHF, Whiz	22:2	108-5912	1	Pulley
3	1-603610	2	Washer-Spring	22:3	110-0893	1	Pulley
4	114-8152	1	Retainer-Clutch	22:4	1-803022	4	Screw-Set
5	3296-39	2	Nut-Lock, NI	22:5	67-7490	2	Key-Square
6	1-603384	1	Bushing-Pivot, Idler	23	112-1781	1	Strap-Stop, Clutch
7	3230-22	2	Screw-CARR	24	112-2320	1	Clutch-Magnetic
8	3296-29	3	Nut-Lock, NI	25	108-5985	1	Spring-Extension
9	110-0818	1	Spring-Extension	26	112-2354	1	Gearbox Idler ASM (W/Bearings)
10	3212-6	1	Screw-HH	26:2	103-4681	2	Sleeve-Bearing
11	1-803022	2	Screw-Set	26:3	1481	1	Fitting-Grease
12	107-9910	1	Belt-V	27	1-603044	1	Bushing
13	3256-24	5	Washer-Flat	28	3231-6	2	Screw-CARR
14	33114-025	5	Screw-HH	29	3256-4	1	Washer-Flat
15	112-2335	1	Stub Shaft	31	3253-4	4	Washer-Lock
16	108-5976	1	Pulley	32	322-4	4	Screw-HH
17	108-5910	1	Pulley-Flat	33	323-12	1	Screw-HH
18	110-0803	1	Pulley-Flat	34	110-0876	1	Tool-Alignment, Pulley
19	110-0805	1	Belt-V	35	65-9820	3	Spacer
20	323-15	1	Screw-HH	36	3256-23	4	Washer-Flat
21	108-5939	1	Pump Idler Arm ASM	37	322-5	1	Screw-HH
21:2	1-513034	2	Sleeve-Bearing	38	5-1336	1	Key-Square
21:3	302-5	1	Fitting-Grease				
22		1	Gearbox ●				

● Not serviced separately



## Gearbox Assembly No. 107-9887

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-0843	1	Case
2	110-0853	1	Housing-Pinion
3	100-4566	1	Cap-End, Open
4	110-0844	1	Shaft-Pinion
5	110-0845	1	Shaft-Cross
6	110-0847	1	Gear-Shaft, Cross
7	110-0846	1	Gear-Pinion
8	110-0848	3	Bearing-Cup
9	110-0849	3	Bearing-Cone
10	100-4574	1	Cap-End, Closed
11	100-4575	1	Seal
12	110-0850	1	Seal-Shaft, Cross
13	100-4591	1	Shim-Brown, .010In
14	100-4592	1	Shim-Blue, .005In
15	100-4593	1	Shim-Green, .003In
16	100-4578	12	Screw
17	100-4579	2	Plug
18	3257-33	2	Key-Woodruff
19	100-4581	1	Washer
20	100-4582	2	O-Ring
21	110-0851	1	O-Ring
22	110-0852	1	Nut Lock
23	100-5817	1	Bearing-Cup
24	100-5816	1	Bearing-Cone

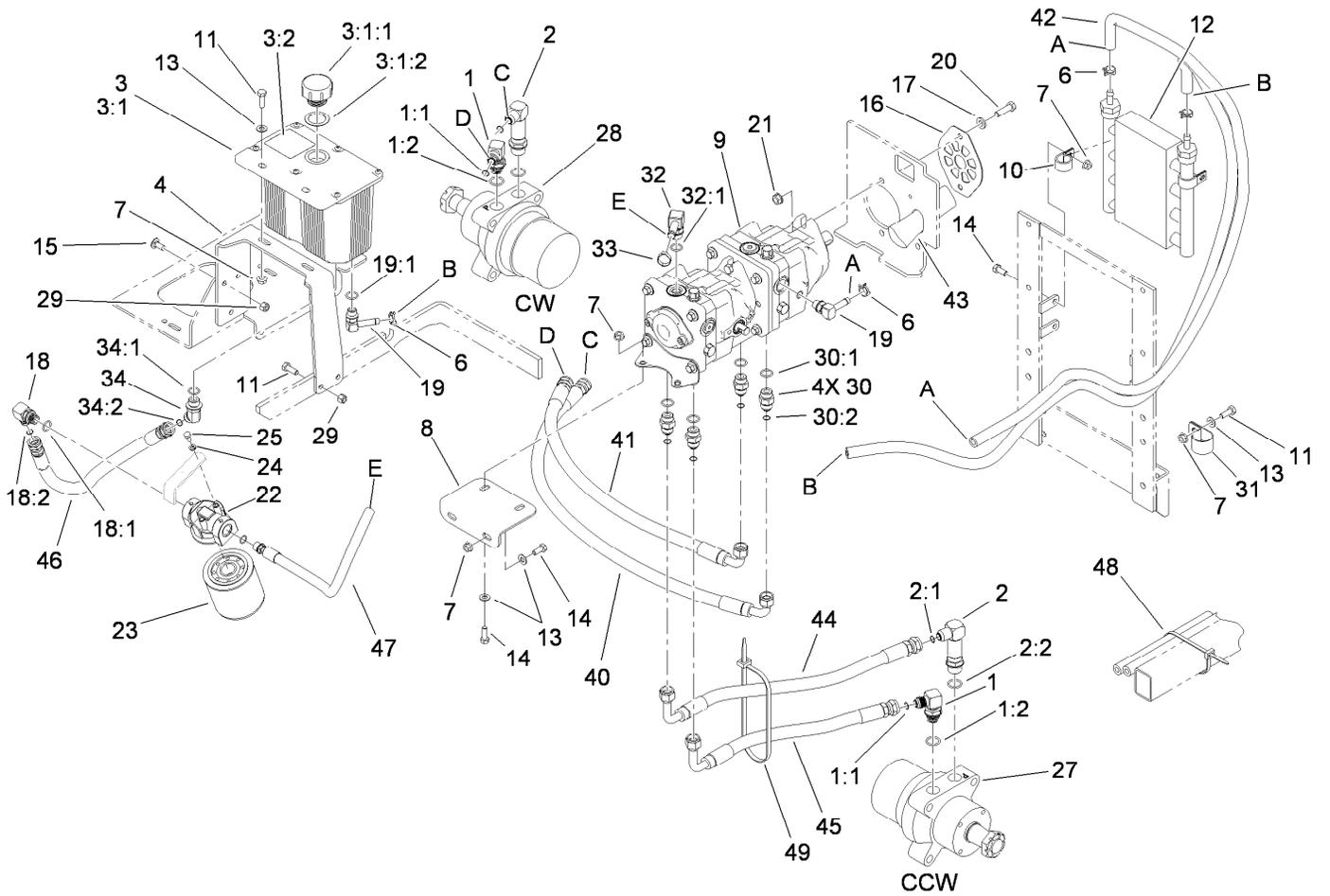


## Hydraulic Tank, Motor and Pump Assembly

Ref.	Part Number	Qty.	Description
1	1-633605	2	Fitting-HYD, 90 DEG
1:1	1-603992	1	O-Ring
1:2	237-80	1	O-Ring
2	108-5323	2	Fitting-Elbow-90
2:1	1-603992	1	O-Ring
2:2	237-80	1	O-Ring
3	108-5320	1	Hydraulic Tank ASM
3:1		1	Tank-Hydraulic ●
3:1:1	103-1948	1	Cap-Reservoir, HYD
3:1:2	103-1949	1	Gasket-Cap
3:2	107-2131	1	Decal-Surface, Hot (Ce)
4	108-5352-03	1	Bracket-Tank, Hydraulic
6	110-6242	4	Clamp-Hose
7	32128-20	11	Nut-HF
8	107-3462-03	1	Bracket-Pump, Front
9	107-9885	1	Tandem Pump ASM
10	110-0824	4	R-Clamp
11	322-5	4	Screw-HH
12	114-8168	1	Cooler-Oil, Hydro
13	3256-23	7	Washer-Flat
14	322-3	8	Screw-HH
15	3230-23	3	Screw-CARR
16	108-5367-03	1	Plate-Shield, Pump
17	3256-24	2	Washer-Flat
18	103-2153	1	Fitting-90 DEG
18:1	1-603920	1	O-Ring

Ref.	Part Number	Qty.	Description
18:2	1-603992	1	O-Ring
19	109-6449	2	Fitting-Elbow, 90
19:1	237-42	1	O-Ring
20	323-8	2	Screw-HH
21	3290-357	2	Nut-HHF, Whiz
22	86-9080	1	Head-Filter
23	67-8110	1	Cartridge-Filter, Oil
24	1-805004	2	Washer-Lock
25	321-3	2	Screw-HH
27	112-8357	1	Motor-Wheel, CCW S2
28	112-8358	1	Motor-Wheel, CW S2
29	3296-29	4	Nut-Lock, NI
30	1-603990	4	Fitting-Straight
30:1	1-603920	1	O-Ring
30:2	1-603992	1	O-Ring
31	2412-147	1	Clamp
32	108-5316	1	Fitting-Elbow, 90 DEG
32:1	237-79	1	O-Ring
33	103-2104	1	Clamp-Hose
34	1-523221	1	Fitting-HYD, 45 DEG
34:1	1-603920	1	O-Ring
34:2	1-603992	1	O-Ring
40	107-3495	1	Hydraulic Hose ASM
41	107-3490	1	Hydraulic Hose ASM
42	114-8169	2	Hose-Hydraulic
43	114-8201	1	Sleeve-Fabric

● Not serviced separately

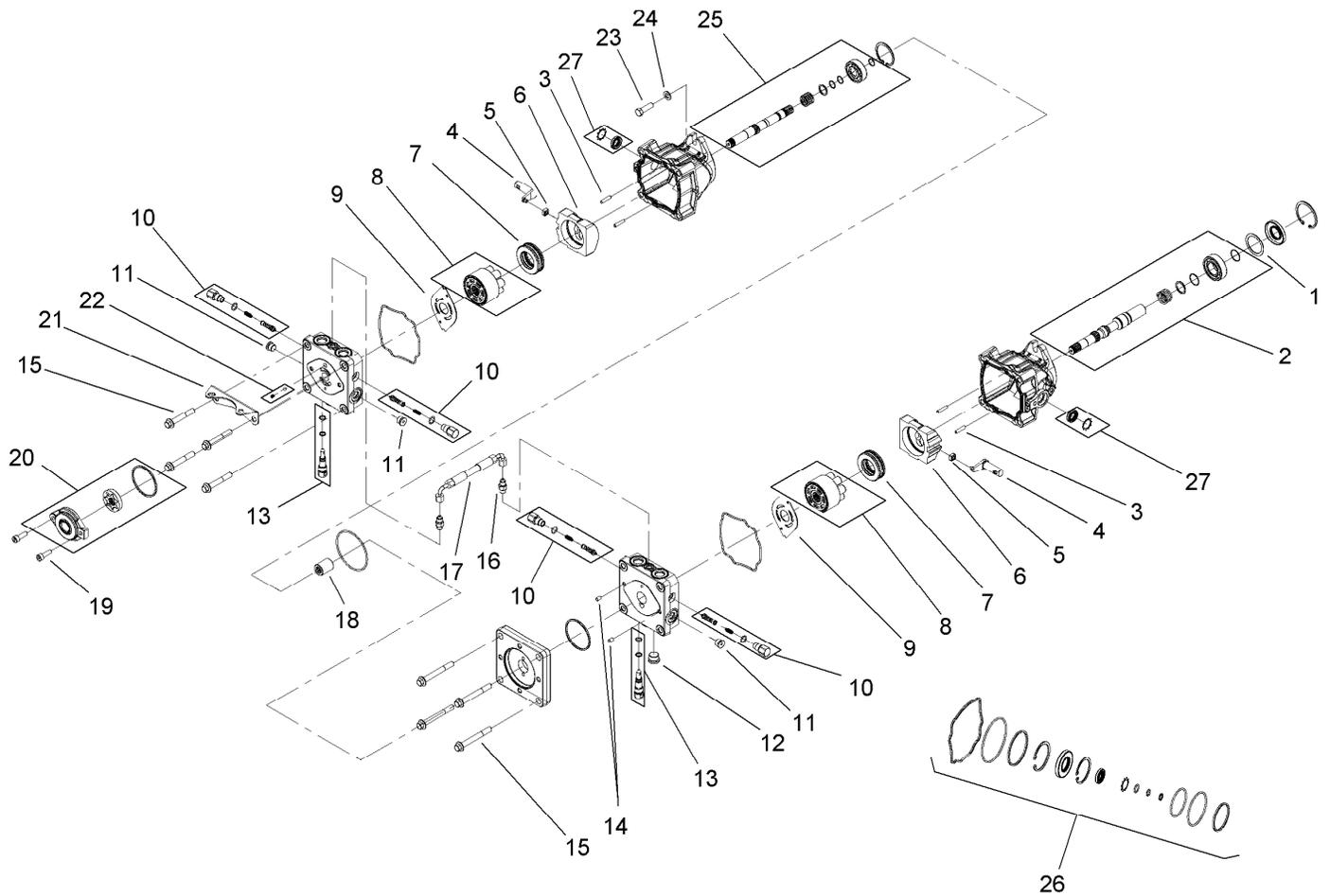


## Hydraulic Tank, Motor and Pump Assembly (continued)

Ref.	Part Number	Qty.	Description
44	108-5318	1	Hydraulic Hose ASM
45	107-3491	1	Hydraulic Hose ASM
46	110-3854	1	Hydraulic Hose ASM

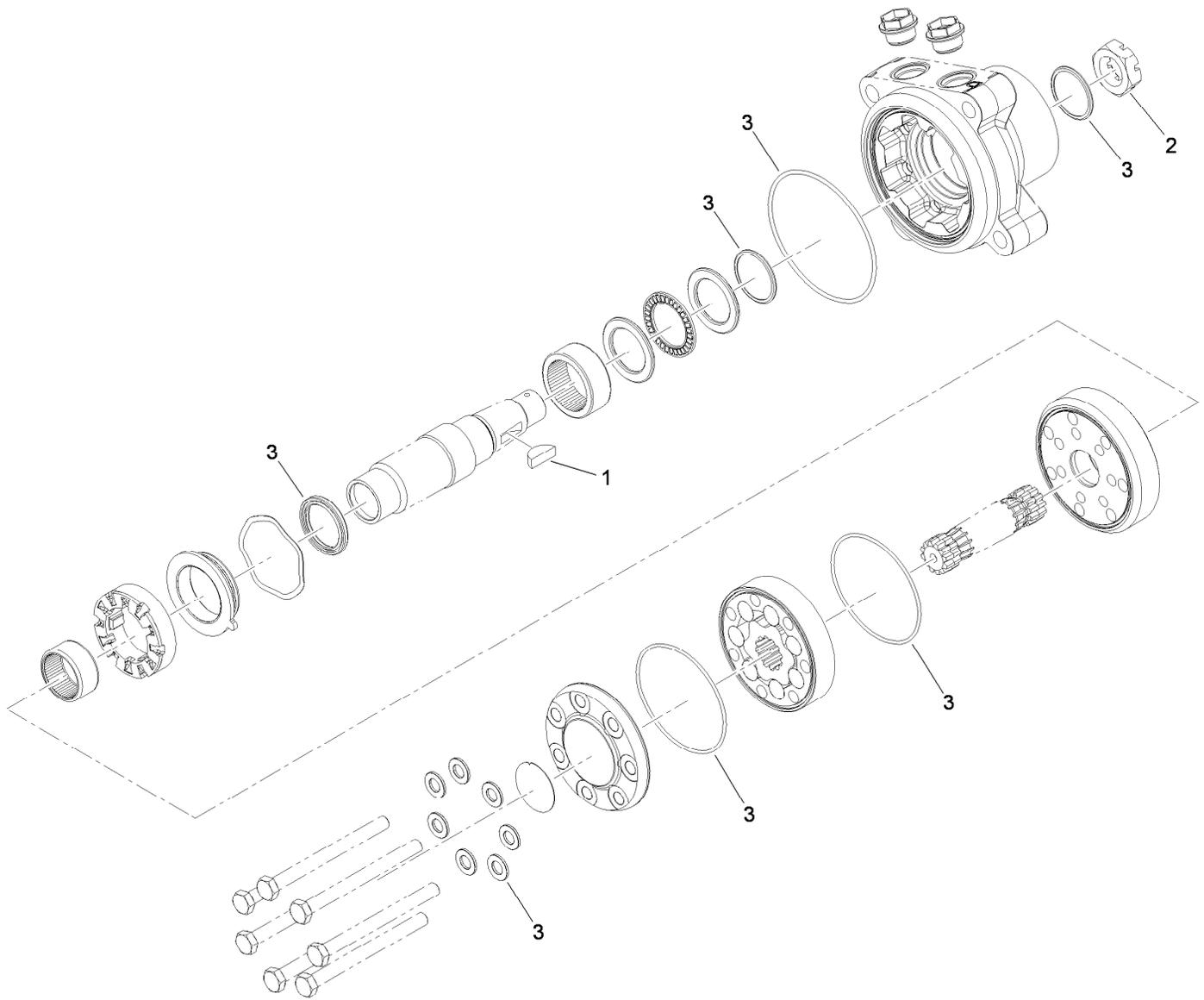
Ref.	Part Number	Qty.	Description
47	108-5374	1	Hydraulic Hose ASM
48	1-303335	1	Tie-Plastic
49	1-809066	1	Tie-Plastic

● Not serviced separately



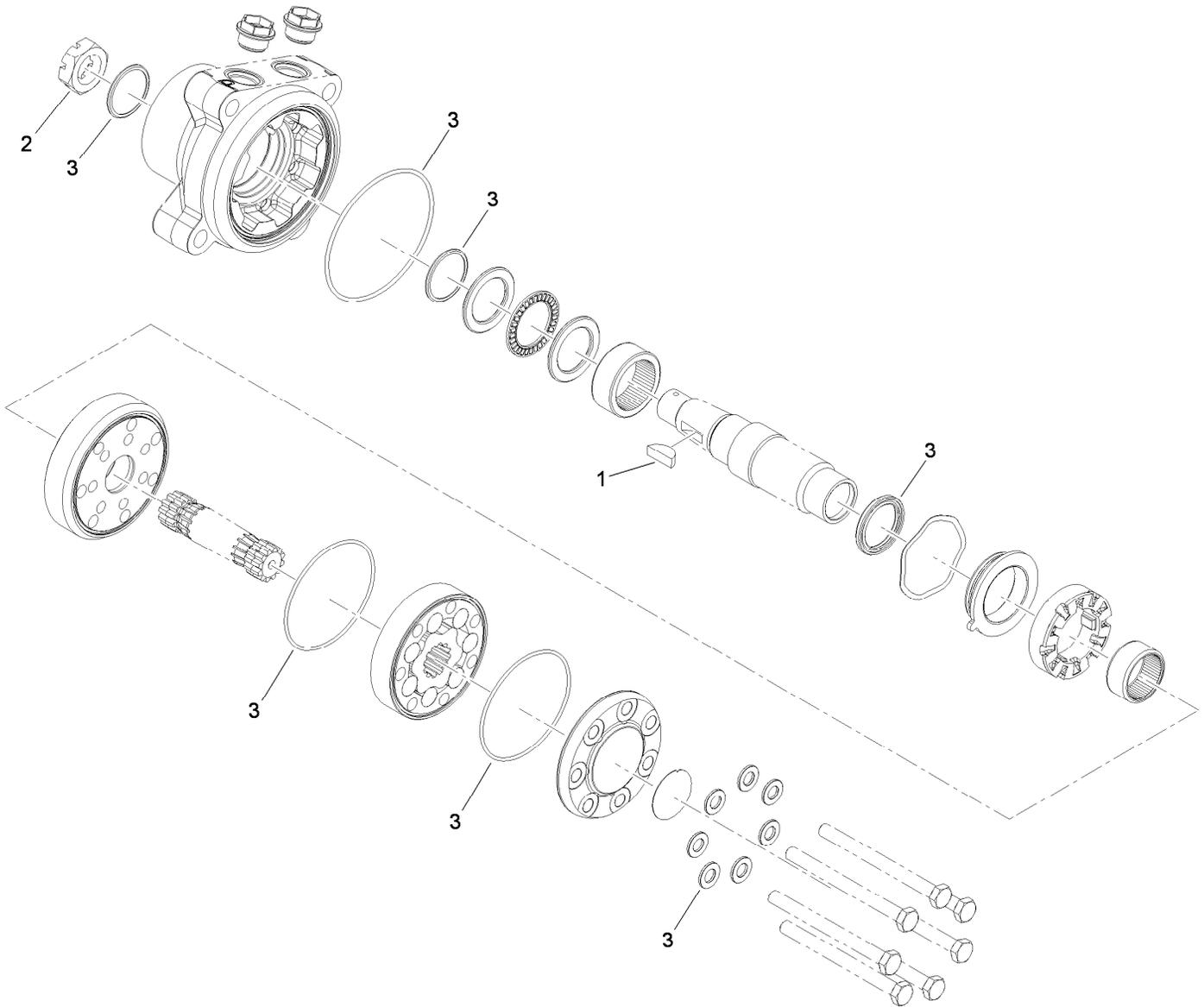
## Tandem Pump Assembly No. 107-9885

<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	112-4168	1	Spacer	15	112-4157	8	Bolt
2	112-4151	1	Input Pump Shaft Kit	16	117-7842	2	Fitting-Straight
3	106-8753	4	Pin-Headless, Straight	17	117-7843	1	Hose ASM
4	112-4152	2	Arm-Trunnion	18	112-4160	1	Coupling
5	94-1910	2	Guide-Slot	19	112-4161	2	Bolt
6	112-4153	2	Swashplate	20	112-4162	1	Charge Pump Kit
7	112-4154	2	Bearing-Thrust	21	112-4163	1	Bracket-Support, Pump
8	108-2112	2	Cylinder Block Kit	22	112-4164	1	Charge Relief Kit
9	108-6801	2	Plate-Valve	23	112-4165	2	Bolt-HSH
10	112-4155	4	Shock Valve Kit	24	112-4166	2	Washer
11	104-2189	3	Plug-Thread, Straight	25	112-4167	1	Second Pump Shaft Kit
12	112-4156	1	Plug-Steel	26	112-4150	1	Overhaul Seal Kit
13	106-8759	2	Bypass Valve Kit	27	114-8155	1	Trunnion Seal Kit
14	104-2170	2	Pin				



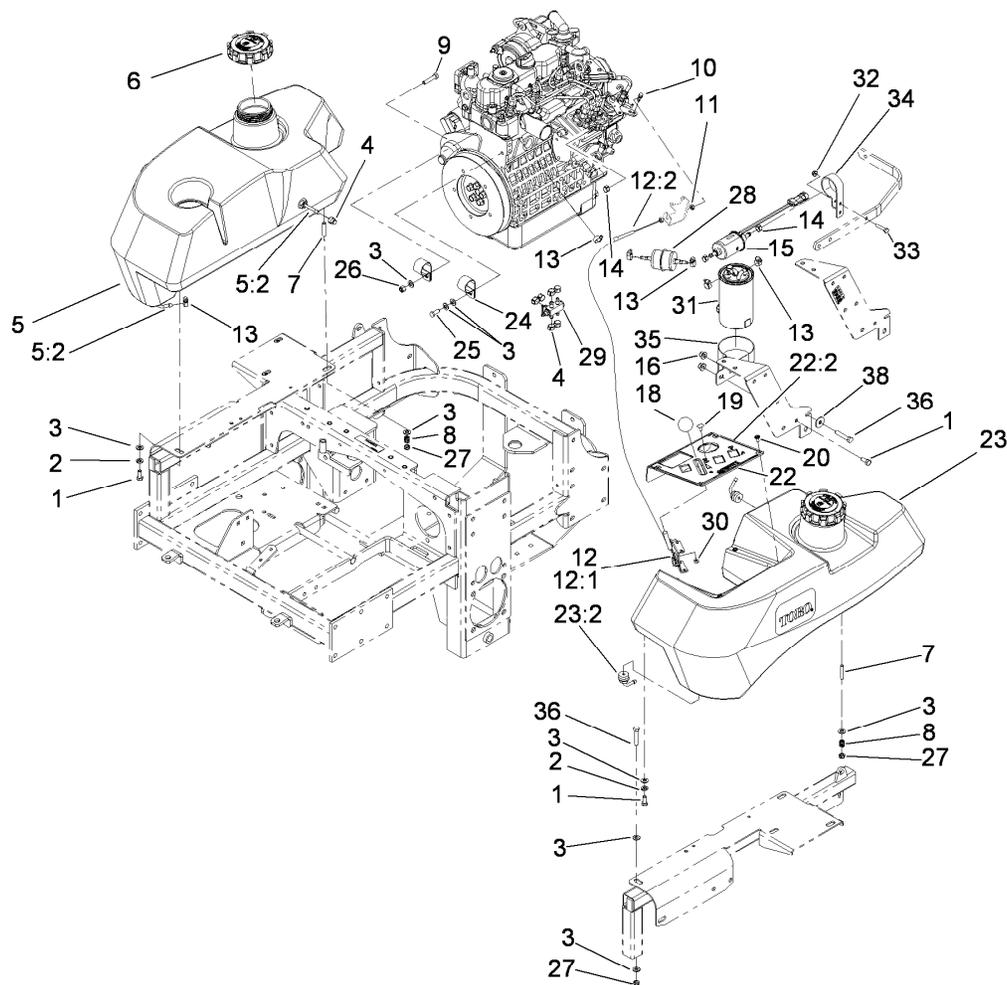
## Hydraulic Motor Assembly No. 112-8357 (CCW)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3257-42	1	Key-Woodruff
2	1-809036	1	Nut-HH
3	109-5966	1	Wheel Motor Seal Kit



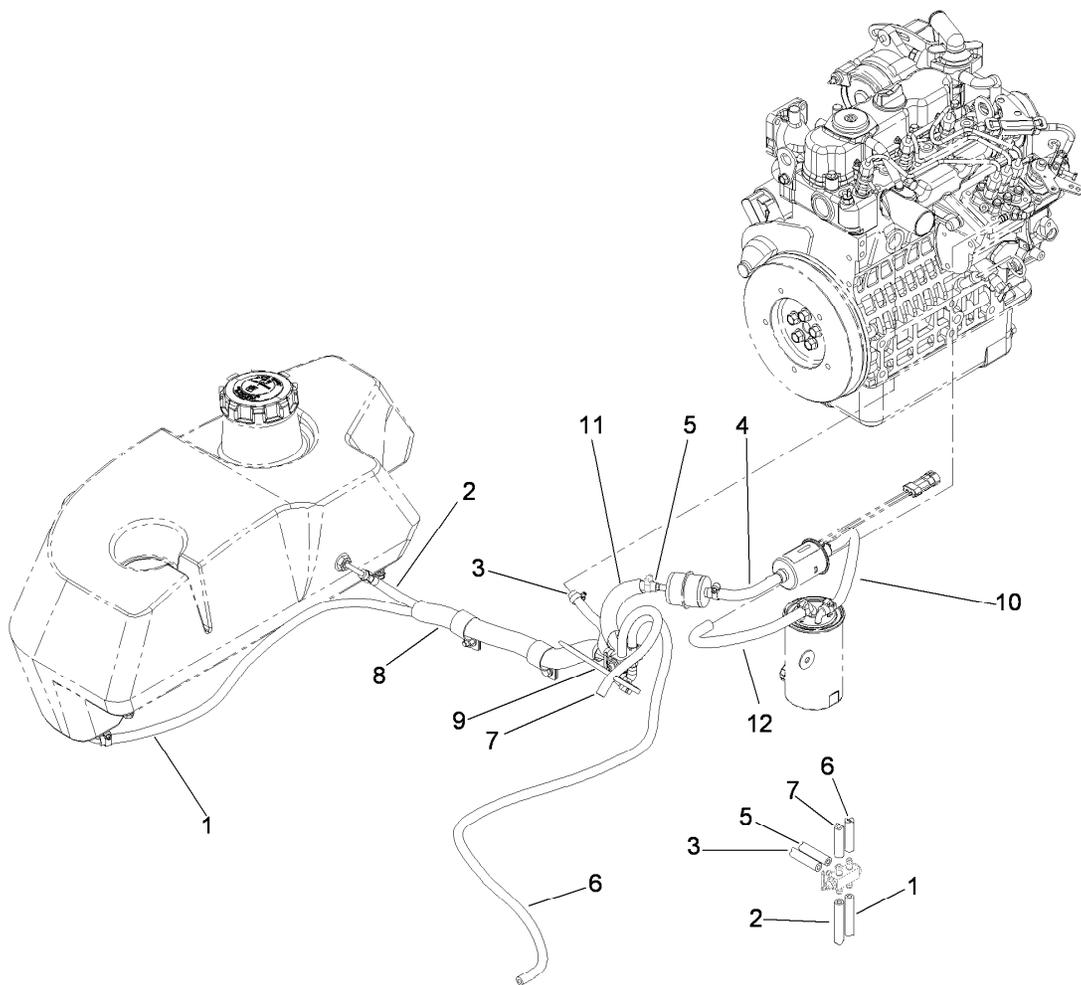
## Hydraulic Motor Assembly No. 112-8358 (CW)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3257-42	1	Key-Woodruff
2	1-809036	1	Nut-HH
3	109-5966	1	Wheel Motor Seal Kit



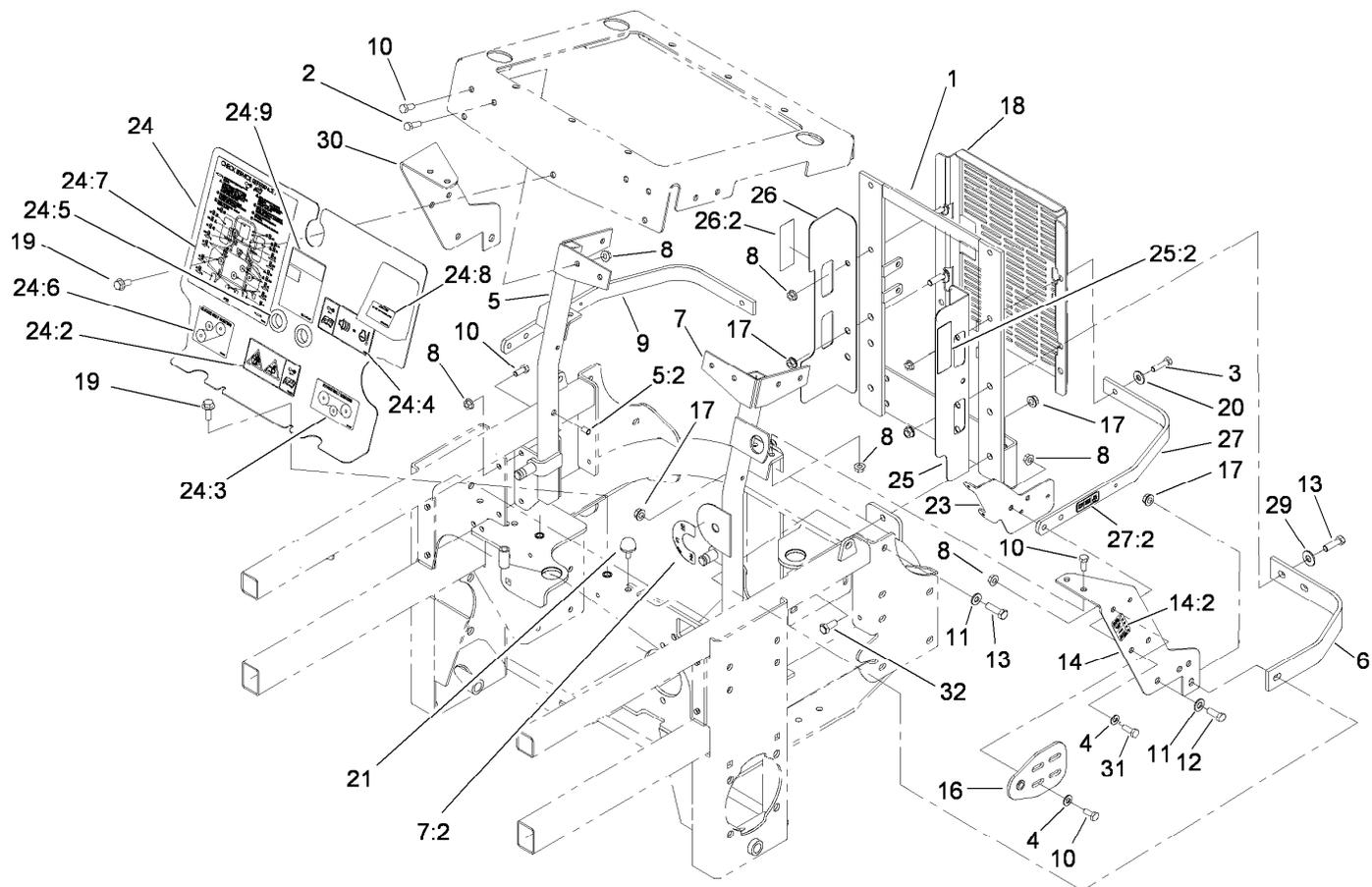
## Fuel System and Throttle Control Assembly

Ref.	Part Number	Qty.	Description	Ref.	Part Number	Qty.	Description
1	322-3	3	Screw-HH	19	1-807513	2	Bolt-CARR
2	1-805005	2	Washer-Lock	20	109-2661	4	Screw-PPH
3	3256-23	11	Washer-Flat	22	117-0913	1	Control Panel ASM
4	1-643293	8	Clamp-Hose, Fuel	22:2	117-0912	1	Decal-Panel, Control
5	114-8221	1	RH Fuel Tank ASM	23	114-8222	1	LH Fuel Tank ASM
5:2	103-2615	2	Fitting-Fuel, Bulkhead	23:2	103-2615	2	Fitting-Fuel, Bulkhead
6	114-5062	2	Cap-Biodiesel	24	1-643312	2	Clip-Loom
7	1-633023	6	Stud	25	33114-020	1	Screw-HH
8	1-633349	6	Spring-Tank, Fuel	26	3296-29	1	Nut-Lock, NI
9	322-7	1	Screw-HH	27	3296-47	6	Nut-Lock, NI
10	108-5928	1	Swivel-Stop, Cable	28	112-7836	1	Filter-Inline
11	3220-1	2	Nut-Jam	29	1-643234	1	Valve-Fuel, Dual Flow
12	108-5927	1	Cable-Control, Throttle	30	3296-2	2	Nut-Lock, NI
12:1	112-2333	1	Lever-Throttle Cable	31	112-9188	1	Element-Filter, Fuel/Water
12:2	108-6337	1	Cable-Throttle	32	104-7201	1	Nut-HF
13	2412-108	7	Clamp-Worm	33	321-8	1	Screw-HH
14	1-643277	3	Clamp-Hose, Fuel	34	110-8817	1	Bracket-Pump, Fuel
15	110-8806	1	Pump-Fuel	35	110-8807	1	Bracket-Filter, Fuel
16	3296-58	2	Nut-Lock, NI	36	322-9	1	Screw-HH
18	1-603175	1	Knob-Ball	38	3256-82	1	Washer-Flat



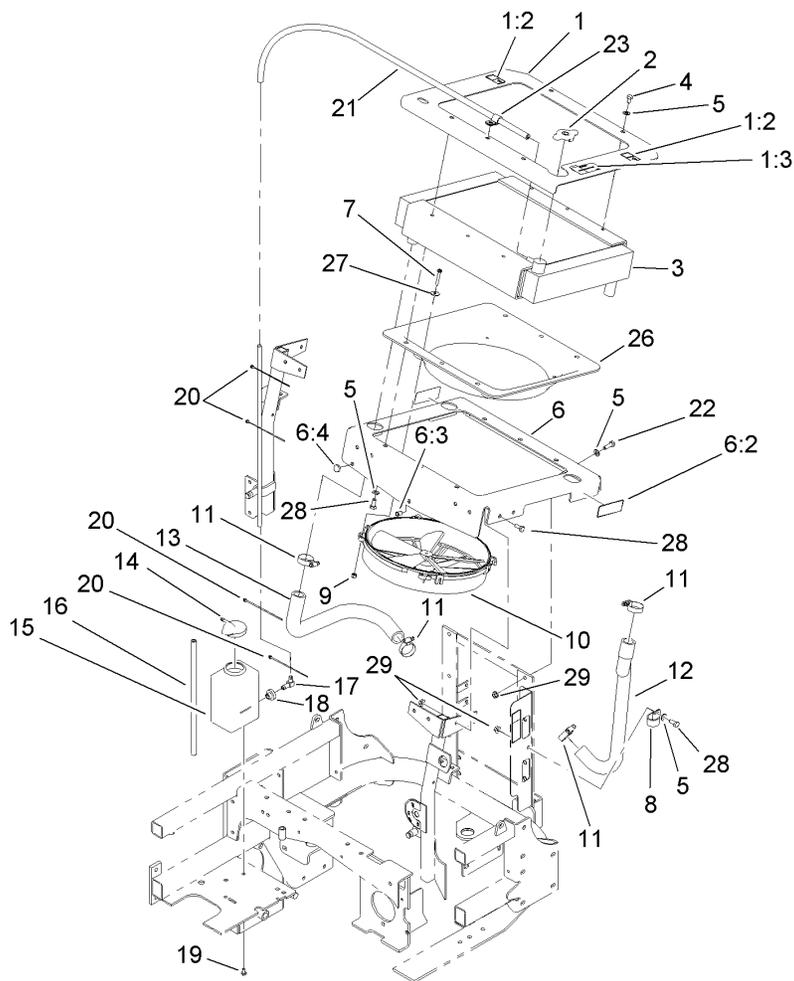
## Fuel Line Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	108-5376	1	Hose-Fuel
2	109-0301	1	Hose-Fuel
3	110-1876	1	Hose-Fuel
4	108-3283	1	Hose-Fuel
5	109-0303	1	Hose-Fuel
6	109-0275	1	Hose-Fuel
7	109-0297	1	Hose-Fuel
8	108-5377	1	Sleeve-Fabric
9	1-303335	1	Tie-Plastic
10	110-4124	1	Hose-Fuel
11	114-8224	1	Conduit-Fuel Line
12	110-4105	1	Hose-Fuel



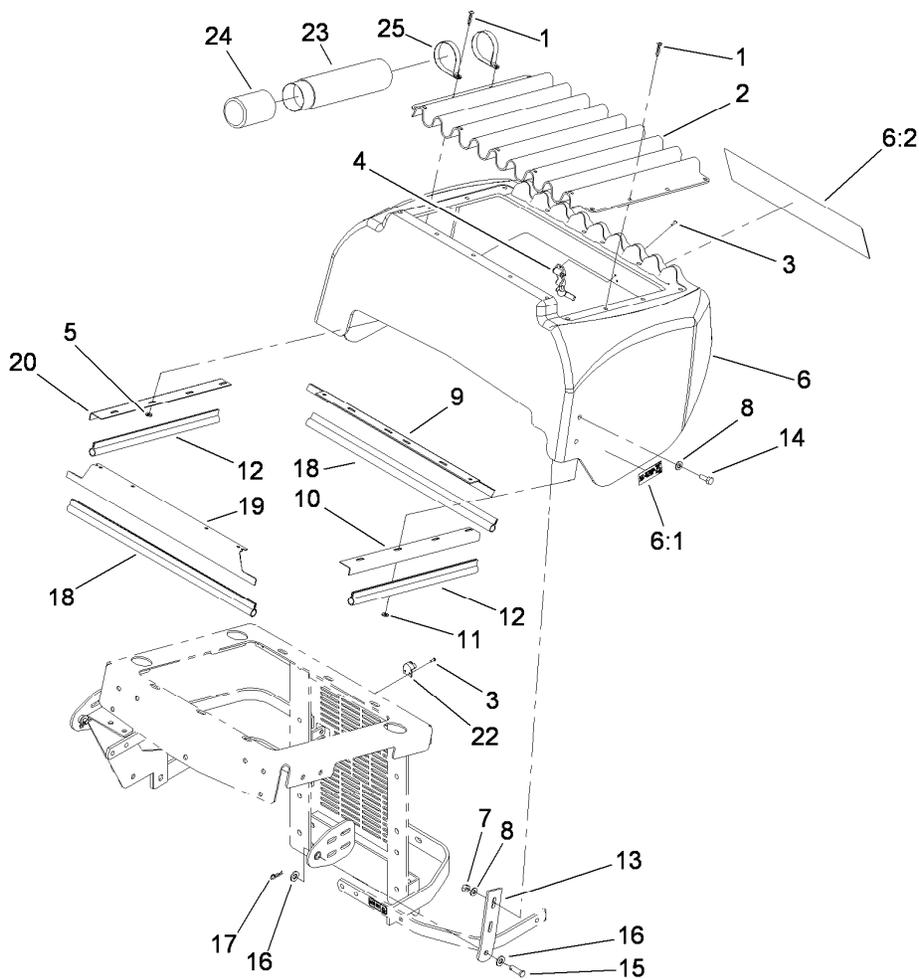
## Engine Housing Assembly

<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	107-9934-03	1	Support-Radiator, Rear	23	107-8081-03	1	Bracket-Relay/Fuse
2	322-5	2	Screw-HH	24	108-5936	1	Front Engine Shield ASM
3	322-6	2	Screw-HH	24:2	110-3853	1	Decal-Danger, Rotating Devices
4	3256-23	8	Washer-Flat	24:3	108-5955	1	Decal-Routing, Hydro Belt
5	114-1170	1	RH Radiator Brace ASM	24:4	110-3852	1	Decal- Warning, Buzzer
5:2	32148-11	1	Insert-Threaded	24:5	100-3815	2	Grommet-Rubber
6	103-7623-03	2	Strap-Guard	24:6	108-5957	1	Decal-Routing, Clutch Belt
7	110-3870	1	LH Radiator Brace ASM	24:7	110-3851	1	Decal-Check, Service
7:2	107-2114	1	Decal-Valve, Fuel	24:8	110-0806	1	Decal-Caution
8	32128-20	22	Nut-HF	24:9	104-2449	1	Decal-Coolant
9	114-8223-03	1	Top-Rib	25	110-0879	1	Guard-Fan, LH (Ce)
10	322-3	14	Screw-HH	25:2	107-7719	1	Decal-Danger, Rotating Devices
11	3256-24	3	Washer-Flat	26	110-0888	1	Guard-Fan, RH (Ce)
12	323-6	1	Screw-HH	26:2	107-7719	1	Decal-Danger, Rotating Devices
13	323-7	4	Screw-HH	27	110-0890	1	Strap-Top
14	112-8318	1	LH Support Bracket ASM	27:2	110-0305	1	Decal-Relay
14:2	117-3865	1	Decal-Fuses	29	3256-4	2	Washer-Flat
16	108-5345-03	2	Hood Pivot Plate ASM	30	108-5339-03	1	Bracket-Support, RH
17	3290-357	7	Nut-HHF, Whiz	31	322-4	4	Screw-HH
18	112-8302-03	1	Shield-Cooler	32	323-5	2	Screw-HH
19	3234-33	3	Screw-HHF				
20	3256-3	2	Washer-Flat				
21	109-2365	2	Bumper-Rubber (W/Stud)				



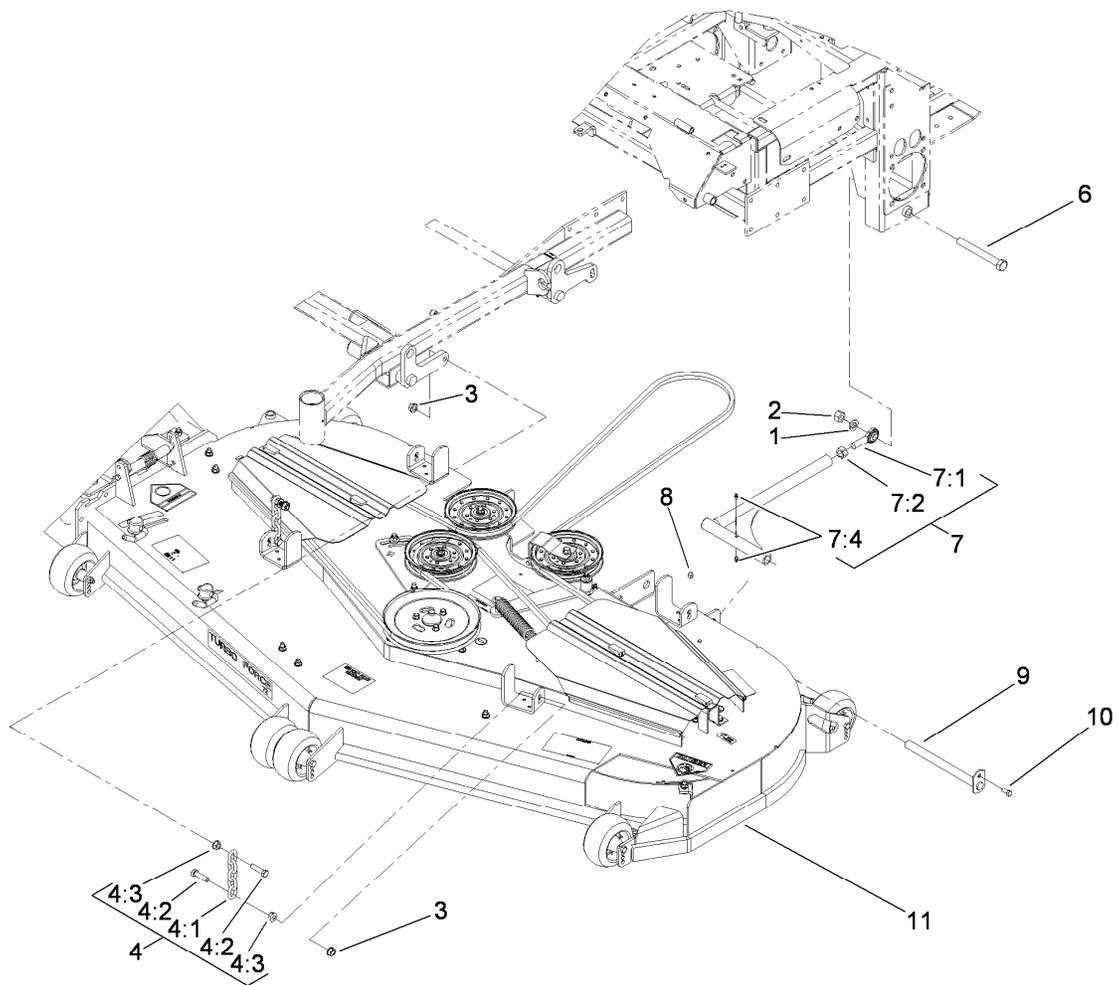
## Cooling System Assembly

<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	110-3845	1	Top Radiator Plate ASM	12	108-5372	1	Hose-Radiator, LH
1:2	93-8069	2	Decal-Surface, Hot	13	108-5904	1	Hose-Outlet, Engine
1:3	110-3842	1	Decal-Antifreeze	14	1-643164	1	Cap-Tank, Overflow
2	1-643161	1	Cap-Radiator	15	1-643163	1	Tank-Overflow
3	107-9932	1	Radiator	16	1-603954	1	Hose-Line, Fuel
4	322-1	6	Screw-HH	17	1-643259	1	Fitting-Elbow
5	3256-23	16	Washer-Flat	18	1-513645	1	Bushing-Valve, Fuel
6	110-0880	1	Bottom Radiator Plate ASM	19	321-2	2	Screw-HH
6:2	107-7719	2	Decal-Danger, Rotating Devices	20	1-303287	5	Tie-Cable
6:3	32148-6	1	Insert-Nut	21	103-1428	1	Hose-Overflow
6:4	1-513658	2	Bumper	22	322-5	3	Screw-HH
7	108-5988	4	Screw	23	1-603727	1	Clip-Loom
8	1-643312	1	Clip-Loom	26	108-5971	1	Shroud-Cooling, Engine
9	1-804254	4	Nut	27	3256-67	4	Washer-Flat
10	1-633831	1	Fan	28	322-3	10	Screw-HH
11	1-633989	4	Clamp-Hose	29	32128-20	3	Nut-HF



## Hood Assembly

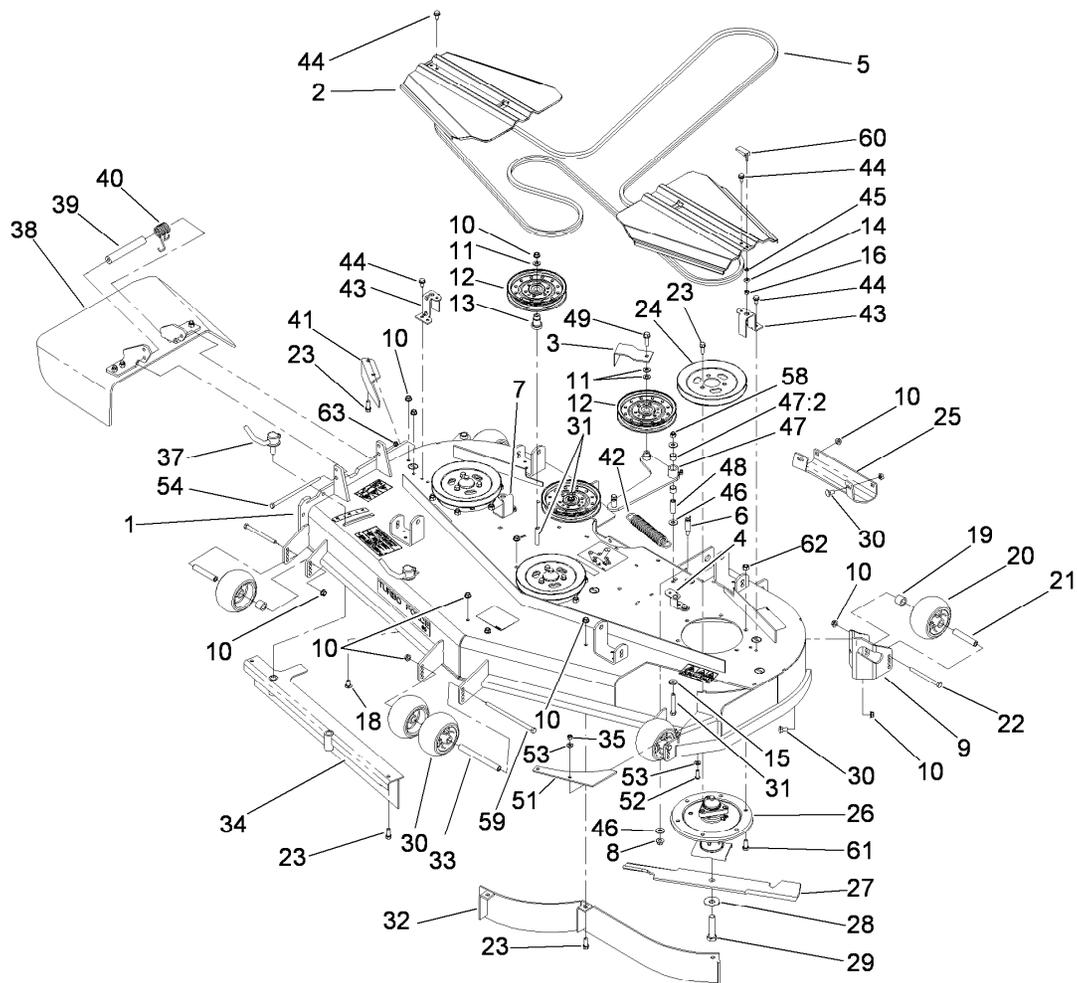
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	1-803072	17	Rivet	12	1-643186	2	Seal-Trim
2	1-633864-03	1	Screen-Radiator	13	108-5337-03	2	Plate-Hinge, Hood
3	923786	4	Rivet	14	322-4	4	Screw-HH
4	1-643188	1	Latch-Rubber	15	1-808285	2	Pin-Clevis
5	1-303435	4	Washer-Spring	16	3256-24	4	Washer-Flat
6	114-8225	1	Hood ASM	17	1-806003	2	Pin-Cotter, Hair
6:1	114-9600	2	Decal-Low Sulfur	18	1-643187	2	Seal-Trim
6:2	107-7674	1	Decal	19	1-643107-03	1	Angle-Radiator, Top
7	3296-29	4	Nut-Lock, NI	20	1-643106-03	1	Angle-Radiator, RH
8	3256-23	8	Washer-Flat	22	1-643189	1	Keeper-Latch, Rubber
9	1-643108-03	1	Angle-Radiator, Bottom	23	104-7050	1	Tube-Manual
10	1-643105-03	1	Angle-Radiator, LH	24	104-7048	1	Cap-Housing
11	3256-14	12	Washer-Flat	25	2412-120	2	R-Clamp



## Deck Connection Assembly

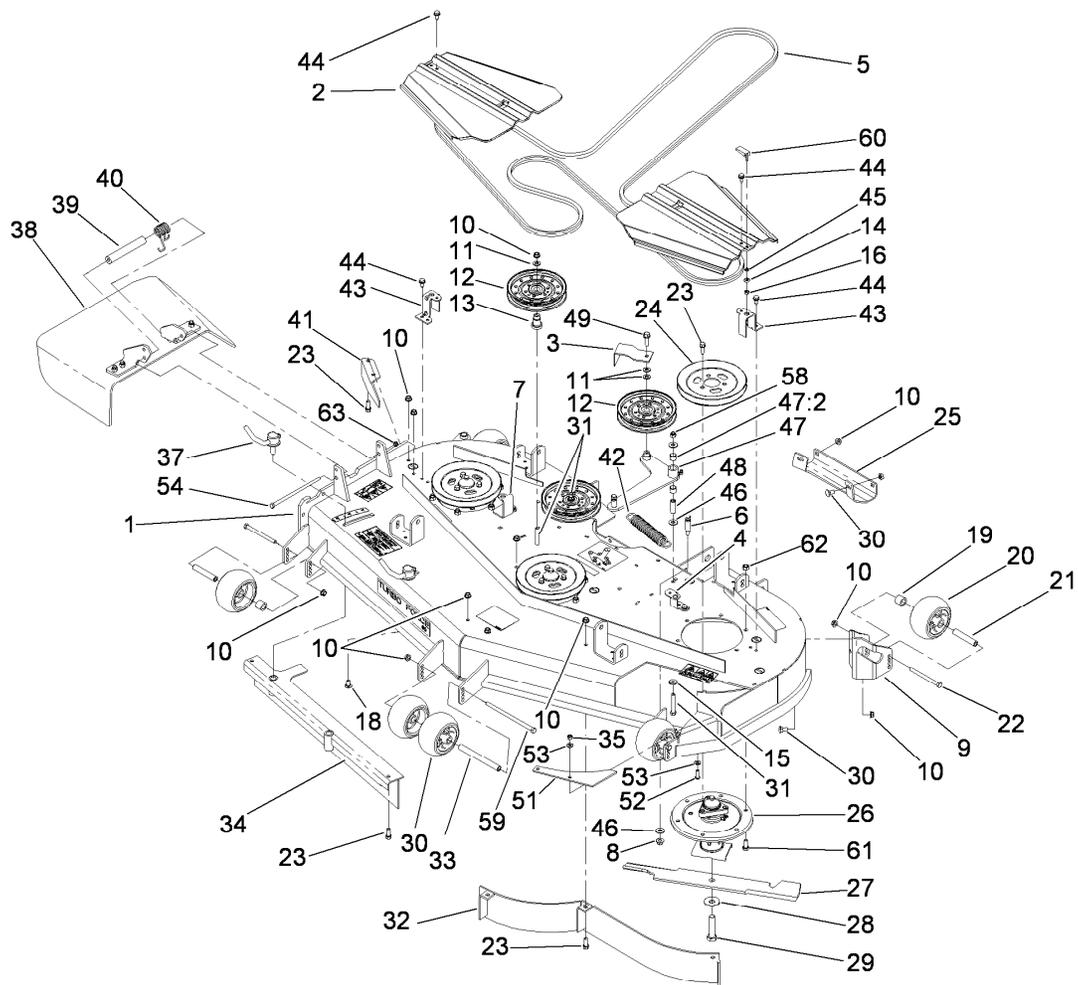
Ref.	Part Number	Qty.	Description
1	3253-8	2	Washer-Lock
2	3217-11	2	Nut-Hex
3	32128-37	8	Nut-HF
4	103-9792	4	Deck Chain ASM
4:1	1-633447	1	Chain-Lift, Deck
4:2	103-1898	2	Screw-HH
4:3	32128-37	2	Nut-HF
6	327-28	2	Screw-HH
7	108-5969	2	Strut ASM
7:1	1-633029	1	Balljoint-Spherical
7:2	3219-6	1	Nut-Hex
7:4	109-1380	1	Fitting-Grease
8	3296-29	2	Nut-Lock, NI
9	1-632199-01	2	Pin-Strut
10	322-3	2	Screw-HH
11		1	Deck ASM ●

● Not serviced separately



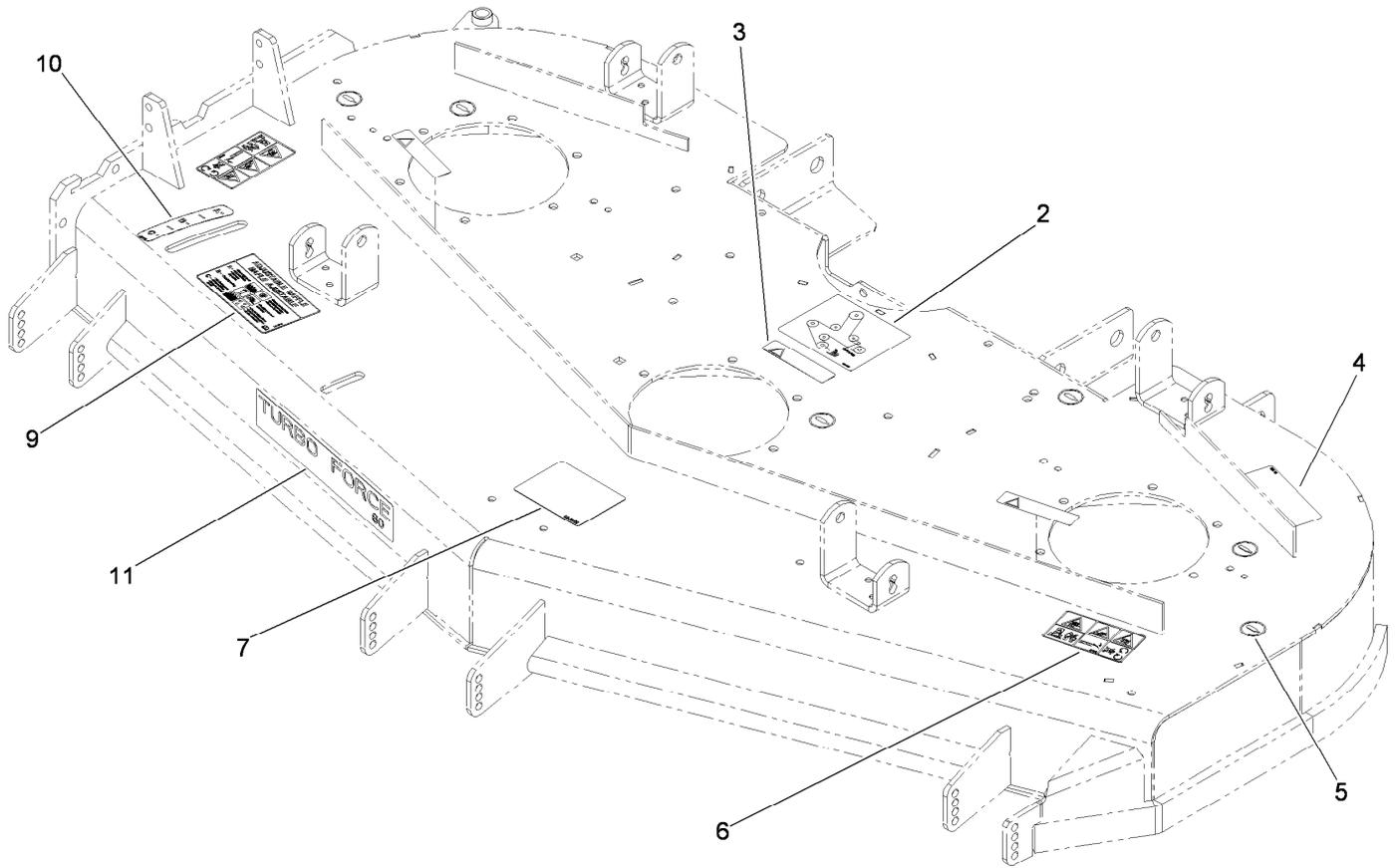
## Deck Assembly

<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	114-4489	1	Deck Decal ASM	29	103-0862	3	Screw-Cap
2	107-8536	2	Cover-Belt	30	3231-1	11	Screw-CARR
3	108-7220-01	1	Guide-Belt	31	323-12	3	Screw-HH
4	108-2177-01	1	Bracket-Cover, Tall	32	105-7657-01	1	Baffle ASM
5	114-4420	1	Belt-V	33	98-5967	1	Spacer-Wheel
6	110-0801	1	Pin-Threaded, Spring Anchor	34	105-7669-01	1	Baffle ASM
7	108-4122-01	1	Bracket-Cover	35	3296-29	2	Nut-Lock, NI
8	32128-19	1	Nut-HF	37	107-1664	2	Lever ASM
9	106-7354-01	1	Mount-Wheel, LH	38	108-2792	1	Rubber Deflector ASM
10	3290-357	25	Nut-HHF, Whiz	39	105-4622	1	Spacer
11	3256-24	4	Washer-Flat	40	108-4052	1	Spring-Torsion
12	1-633109	3	Idler-Flat	41	106-3216-01	1	Baffle-Discharge
13	106-3214	2	Mount-Pulley	42	110-0818	1	Spring-Extension
14	106-6778	2	Bushing-Latch, Swell	43	108-4121-01	2	Bracket-Cover
15	98-5975	1	Washer-Belleville	44	32144-70	6	Screw-HWHTF
16	1-804254	2	Nut	45	99-3058	2	Washer
18	3231-21	1	Screw-CARR	46	3256-4	3	Washer-Flat
19	98-7913	4	Tube-Spacer	47	108-5949	1	Deck Idler Arm ASM
20	1-603299	6	Roller-Scalp, Anti	47:2	103-4681	2	Sleeve-Bearing
21	98-7912	4	Tube-Spinner	48	1-603044	1	Bushing
22	323-23	4	Screw-HH	49	3234-24	1	Screw-HHF
23	92-1624	15	Screw-HWH	51	107-3137	1	Plate-Turbo
24	107-7678	3	Pulley	52	3274-104	2	Screw-HSBH
25	105-8792-01	1	Plate-Skid	53	1-303334	4	Washer-Spring
26	108-7713	3	Spindle ASM	54	322-50	1	Screw-HH
27	105-7718-03	3	Blade-Hi Flow	58	3296-39	1	Nut-Lock, NI
28	103-0865	3	Washer-Blade Bolt, Heavy	59	108-5388	1	Screw-HH
				60	106-6777	2	Handle-Latch, Swell



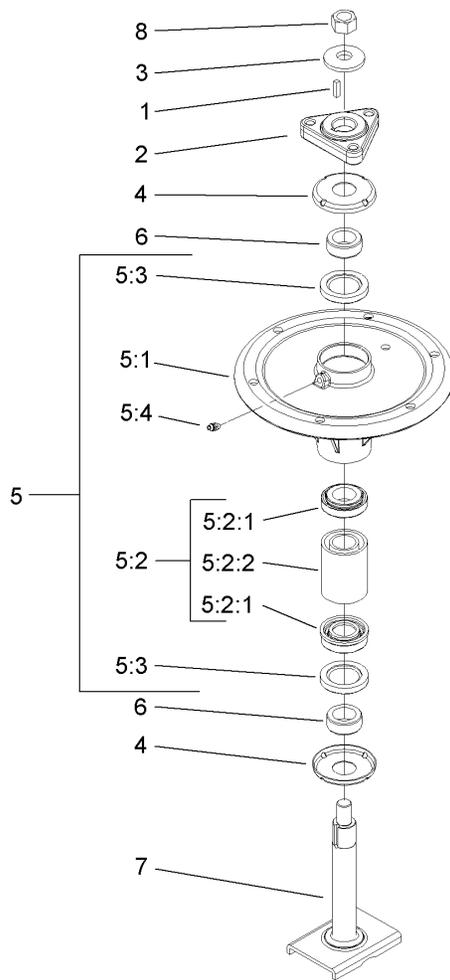
## Deck Assembly (continued)

<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>
61	33115-025	18	Screw-HH	62	33025-00	18	Nut-Lock
				63	3296-47	1	Nut-Lock, NI



## Deck Decal Assembly No. 114-4489

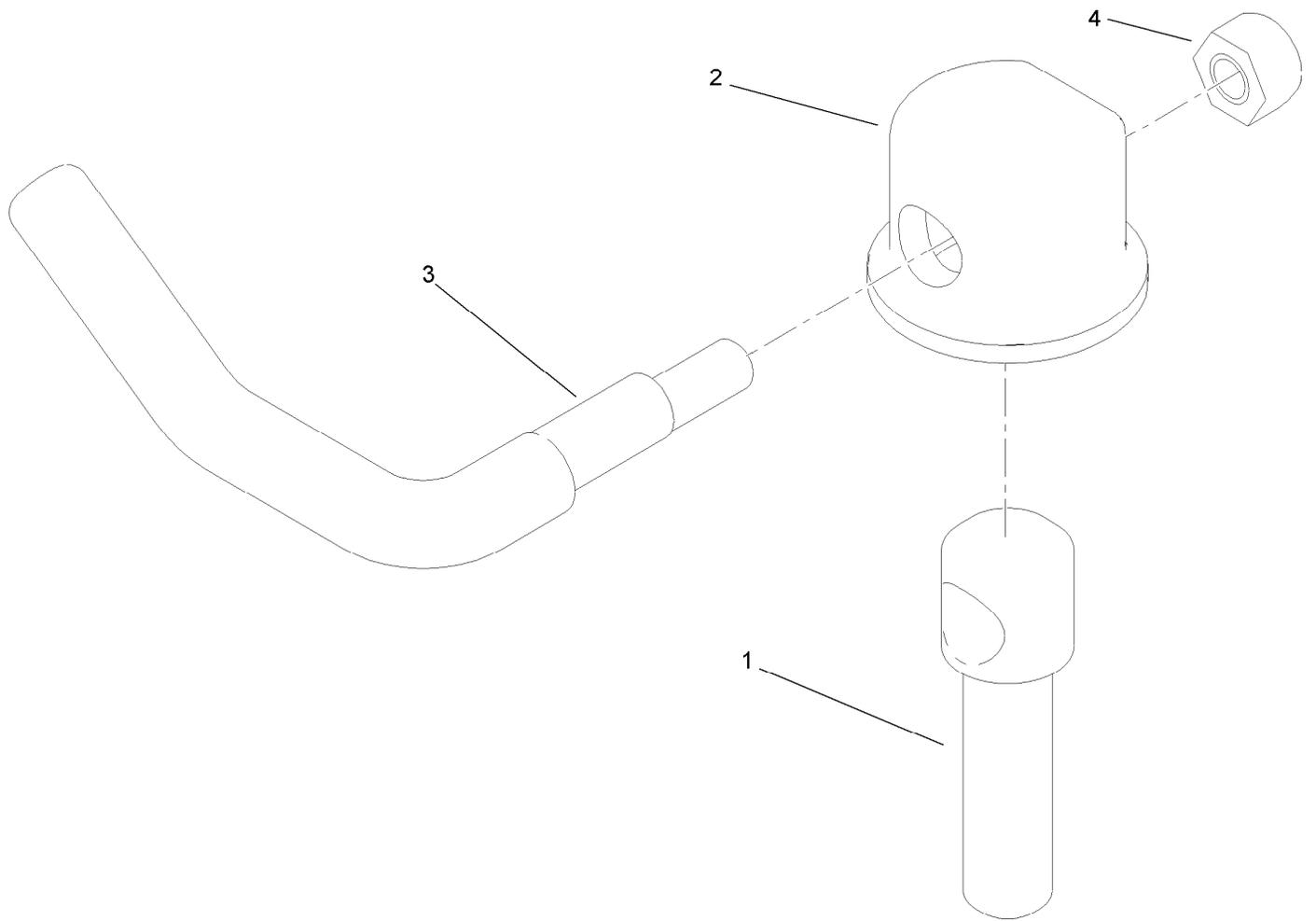
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
2	108-5981	1	Decal-Routing, Belt
3	98-1977	3	Decal-Warning
4	93-7818	1	Decal-Torque, Blade Bolt
5	58-6520	6	Decal-Grease
6	93-7010	2	Decal-Danger
7	99-8939	1	Decal-Anti Scalp
9	110-2068	1	Decal-Adjustment, Baffle
10	110-2067	1	Decal-Setting, Baffle
11	107-1619	1	Decal



## Spindle Assembly No. 108-7713

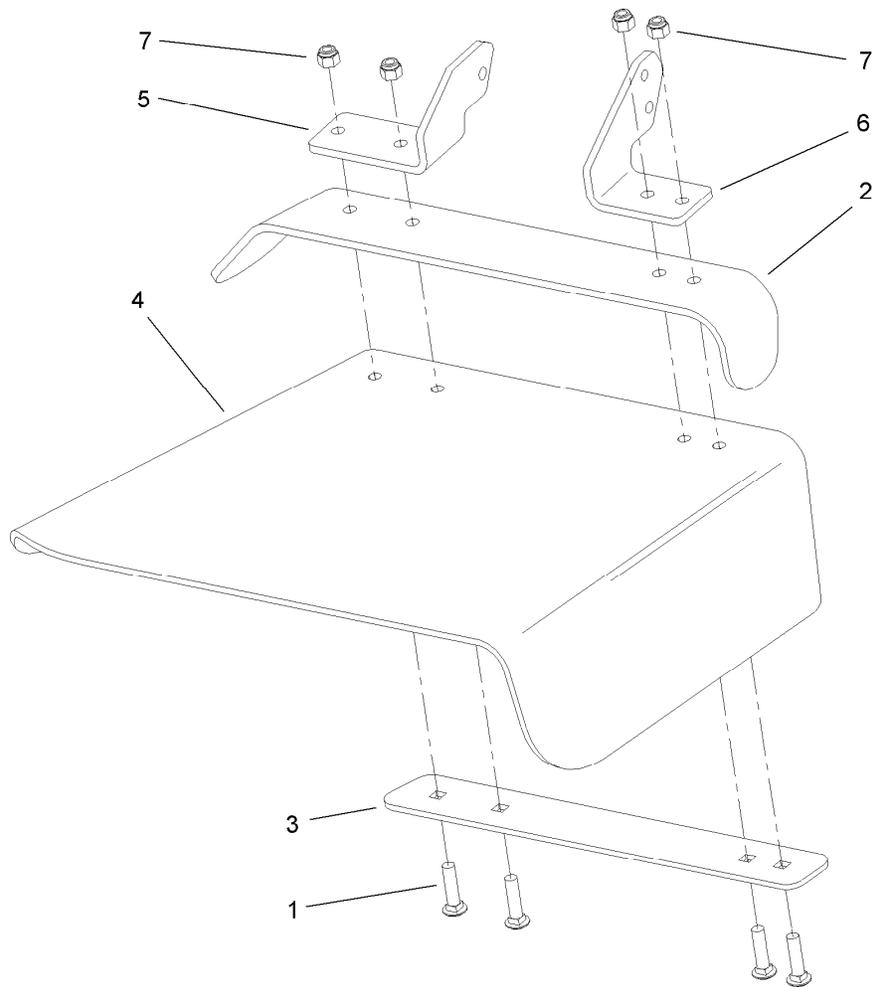
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	10-8040	1	Key-Square
2	106-3277	1	Hub-Pulley
3	103-0865	1	Washer-Blade Bolt, Heavy
4	106-3204	2	Shield-Bearing
5		1	Spindle Bearing ASM ●
5:1	106-3211	1	Housing-Spindle
5:2	108-7711	1	Bearing ASM
5:2:1	108-7710	1	Bearing ASM
5:2:2	106-3206	1	Spacer (Matched Set)
5:3	253-133	2	Seal-Oil
5:4	302-5	1	Fitting-Grease
6	106-3218	2	Spacer-Seal
7	106-3233	1	Spindle Shaft ASM
8	3219-6	1	Nut-Hex

● Not serviced separately



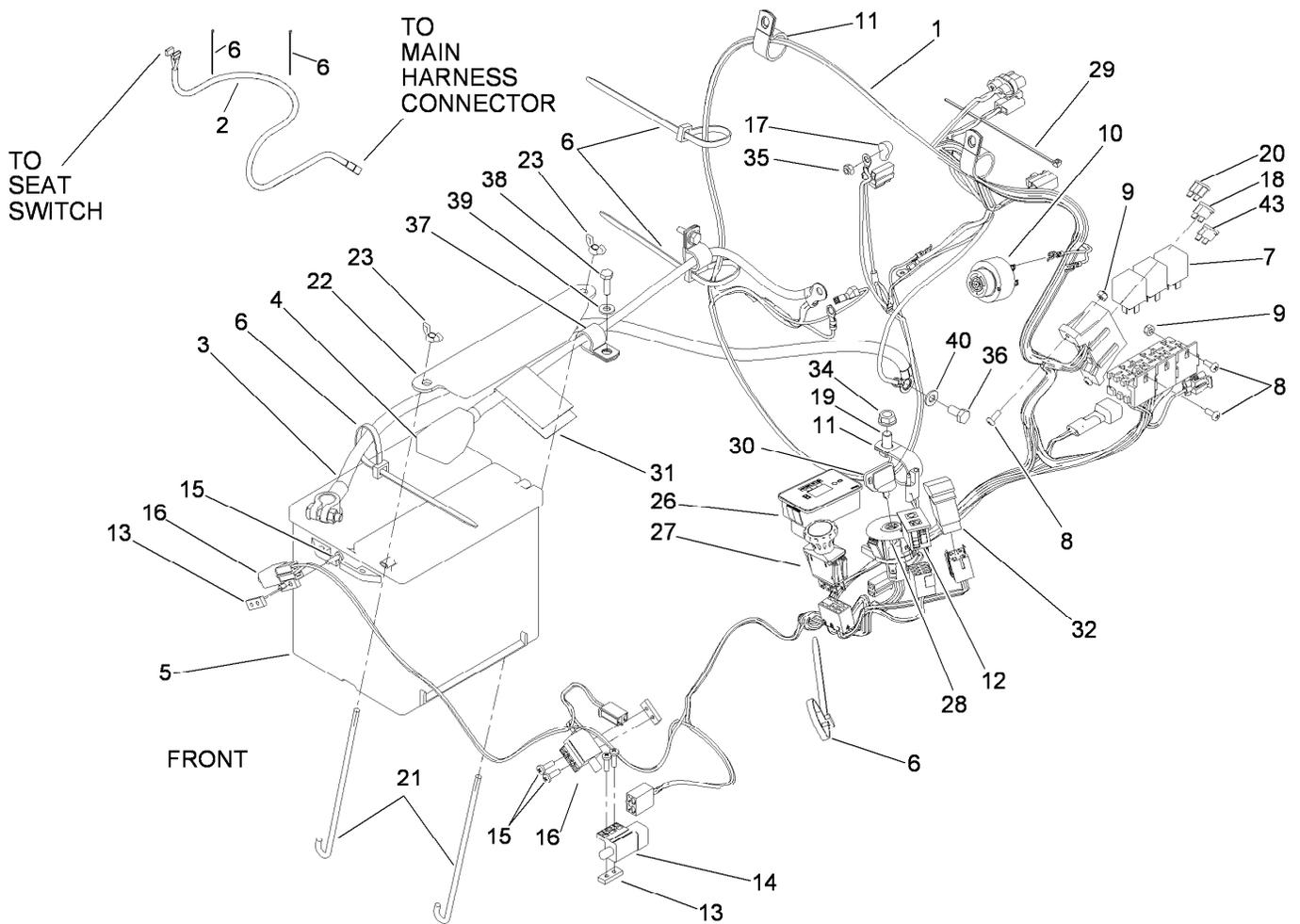
## Lever Assembly No. 107-1664

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	106-3239	1	Screw-Lock
2	107-1644	1	Cap-Lock
3	106-3241	1	Lever-Lock
4	3296-29	1	Nut-Lock, NI



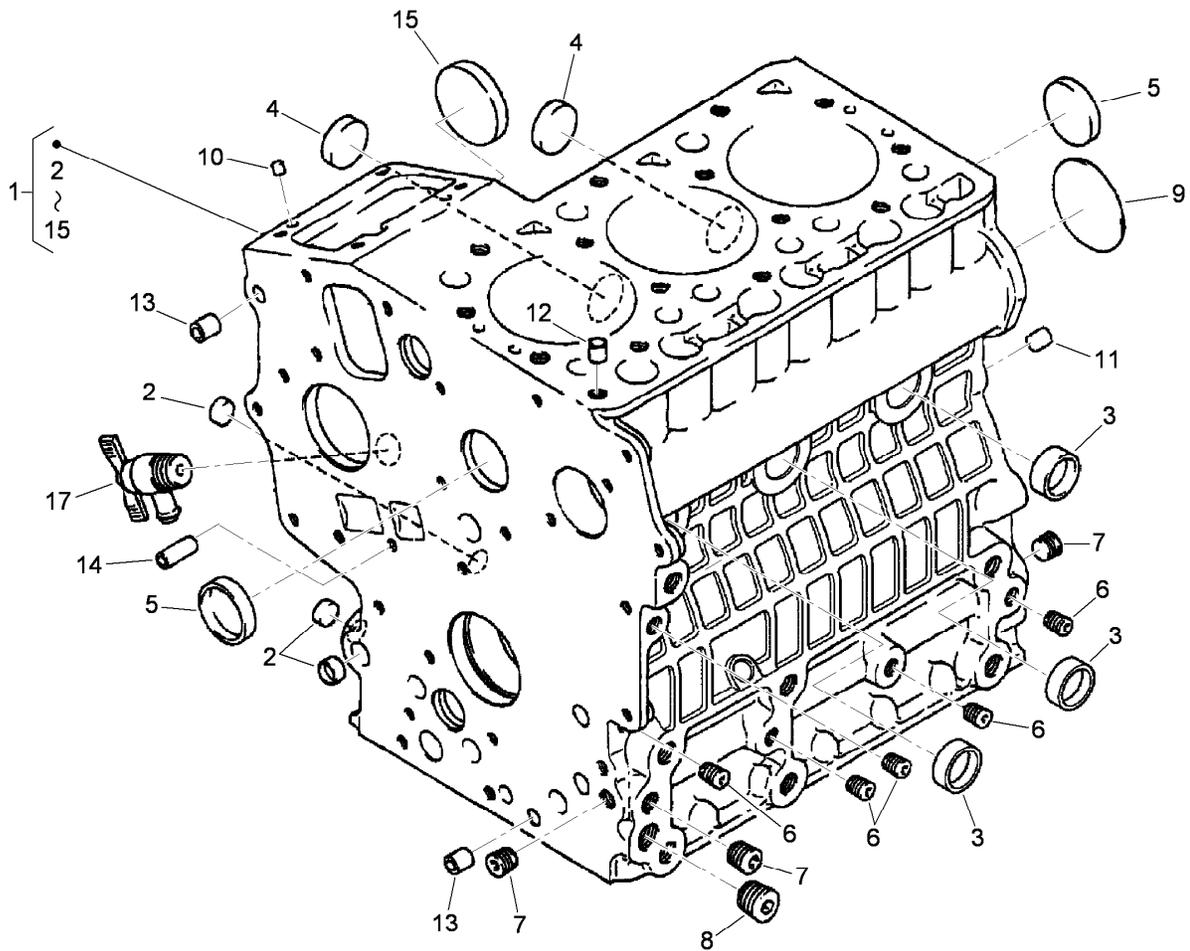
## Rubber Deflector Assembly No. 108-2792

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	3231-4	4	Screw-CARR
2	106-3246-01	1	Deflector
3	106-3248-03	1	Strap-Discharge
4	108-5029	1	Deflector-Rubber
5	108-4059-01	1	Plate-Hinge, Rear
6	106-3253-01	1	Plate-Hinge, Front
7	3296-39	4	Nut-Lock, NI



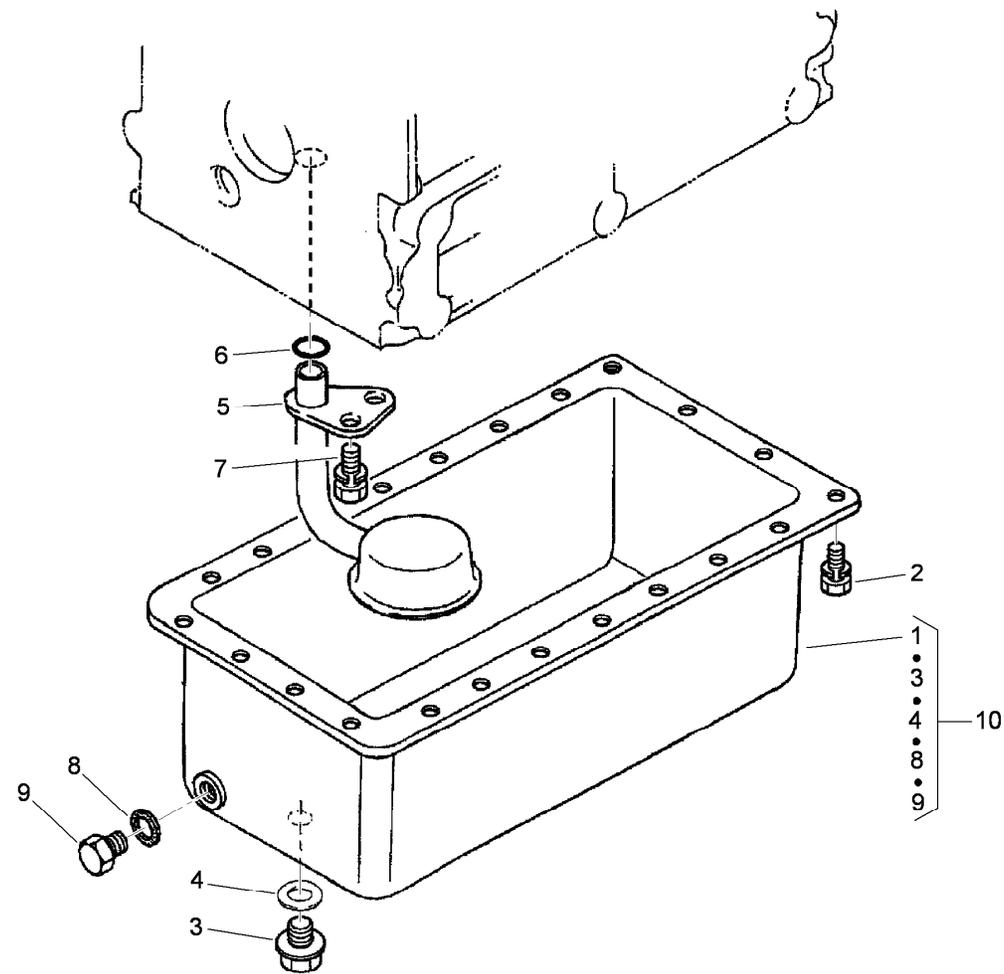
## Electrical Assembly

<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	117-3802	1	Harness-Wire	21	103-1312	2	Bolt-Holddown
2	103-1227	1	Harness-Wiring, Seat	22	103-1311-03	1	Holddown-Battery
3	110-0303	1	Cable-Battery, Negative	23	1-543792	2	Wingnut
4	110-0304	1	Cable-Battery, Positive	26	112-8650	1	Hour Meter ASM
5	106-5187	1	Battery	27	116-0124	1	Switch-PTO, 10A
6	1-303335	7	Tie-Plastic	28	116-0050	1	Switch-Ignition
7	1-643275	3	Relay	29	1-303287	1	Tie-Cable
8	1-803071	4	Screw	30	63-8360	2	Key-Ignition
9	3296-2	4	Nut-Lock, NI	31	107-9309	1	Decal-Instructions, Charging
10	103-0205	1	Alarm-Tone, Dual	32	110-0811	1	Switch-Rocker
11	1-643312	3	Clip-Loom	34	3290-357	1	Nut-HHF, Whiz
12	100-8071	1	Lamp-Warning	35	33023-00	1	Nut-Lock
13	1-633181	3	Plate-Tapped	36	33114-016	1	Screw-HH
14	1-633111	1	Switch	37	1-633396	2	Clip-Loom
15	3290-500	6	Screw-PPH	38	321-5	2	Screw-HH
16	1-513051	2	Switch-Open, Normally	39	3256-22	2	Washer-Flat
17	1-643178	1	Cap-Insulator, Red	40	3256-23	1	Washer-Flat
18	103-1368	1	Fuse-40 Amp	43	218-578	1	Fuse-10 Amp
19	323-4	1	Screw-HH				
20	109103	1	Fuse-30 Amp				



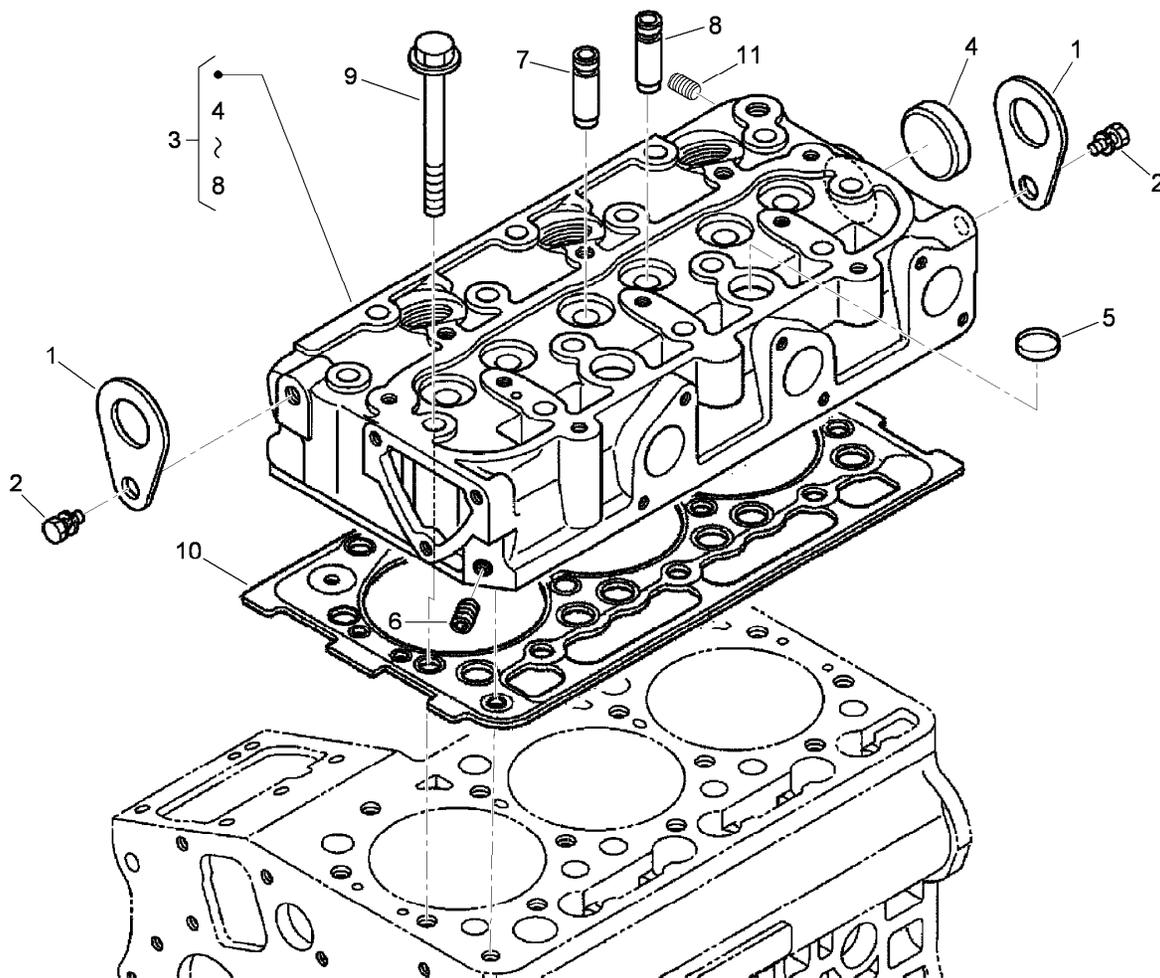
## Crankcase Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	117-0301	1	Crankcase ASM
2	100-2019	3	Cap-Sealing
3	100-2020	3	Cap-Sealing
4	110-3702	2	Cap-Sealing
5	98-9398	2	Cap-Sealing
6	98-9687	5	Plug
7	98-7487	3	Plug
8	98-7488	1	Plug
9	100-1851	1	Plug-Expansion
10	98-9375	2	Pin-Straight
11	98-9377	2	Pin-Straight
12	98-7506	1	Pin-Pipe
13	98-9387	2	Pin-Pipe
14	100-2051	2	Pin-Pipe
15	100-1991	1	Cover-Fuel, Camshaft
17	98-9436	1	Drain Cock ASM



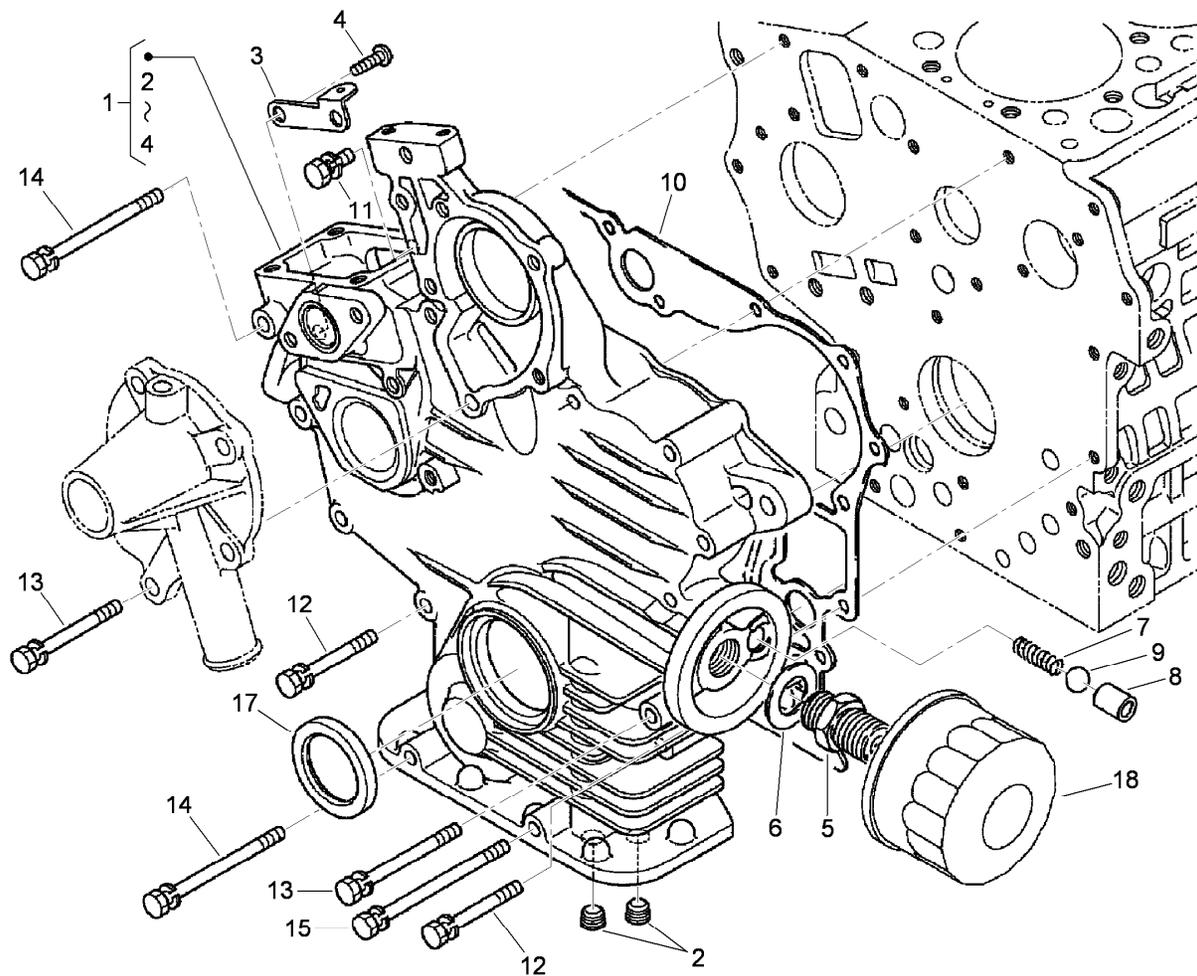
## Oil Pan Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	112-8328	1	*obs* Pan-Oil
2	117-0302	22	Bolt
3	98-9686	1	Plug-Drain
4	110-9715	1	Gasket-Pan, Oil
5	100-2001	1	Strainer-Pickup, Oil
6	105-3776	1	O-Ring
7	100-9195	1	Bolt
8	98-7524	1	Gasket
9	114-8151	1	Plug-Drain
10	112-8327	1	Oil Pan Kit



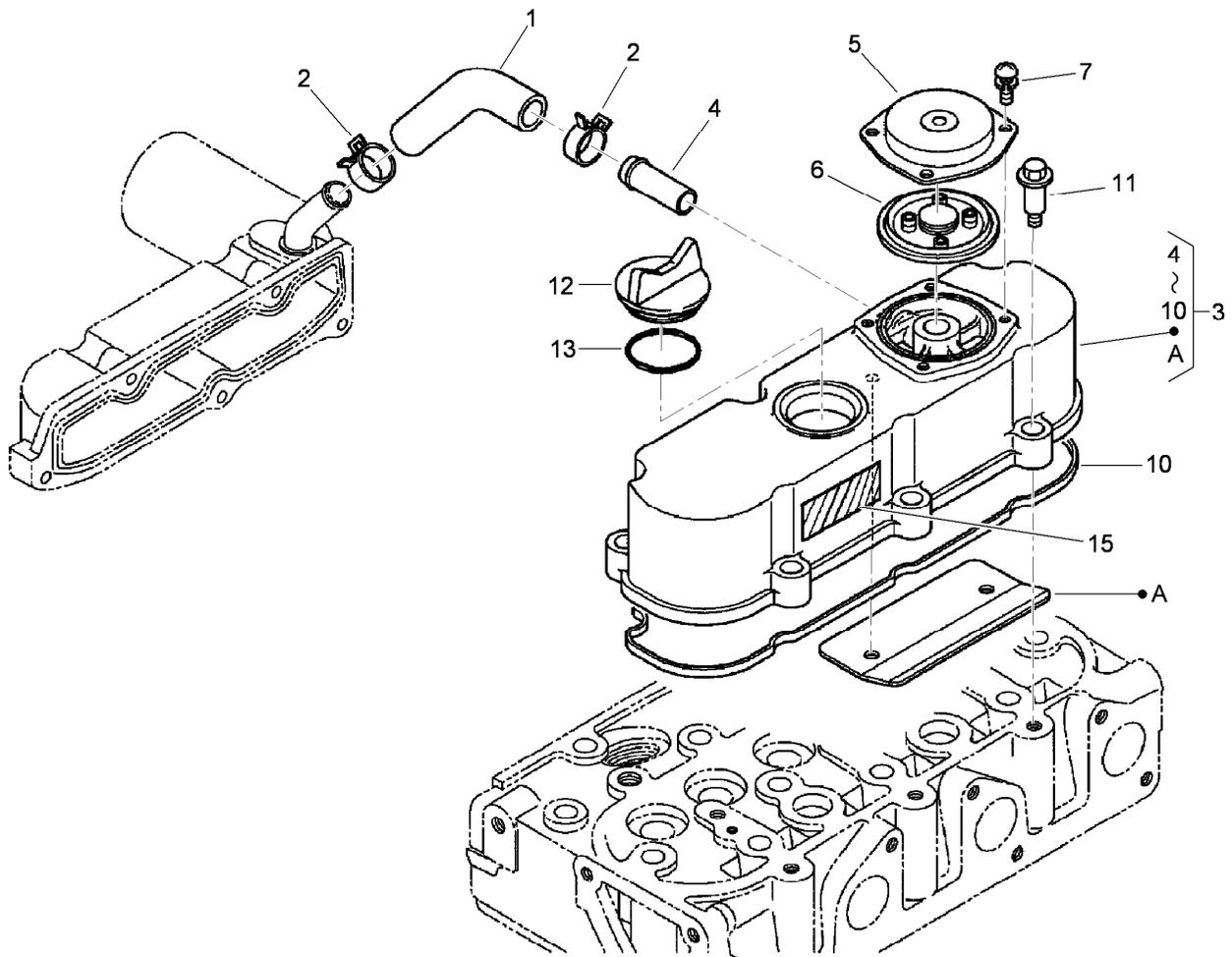
## Cylinder Head Assembly

<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	112-8329	1	Head-Cylinder
4	105-3705	1	Cap-Sealing
5	98-9389	2	Cap-Sealing
6	98-9687	1	Plug
7	100-1882	3	Guide-Valve, Inlet
8	100-1883	3	Guide-Valve, Exhaust
9	100-1820	14	Bolt-Head, Cylinder
10	112-2520	1	Gasket-Head, Cylinder
11	98-9444	1	Plug



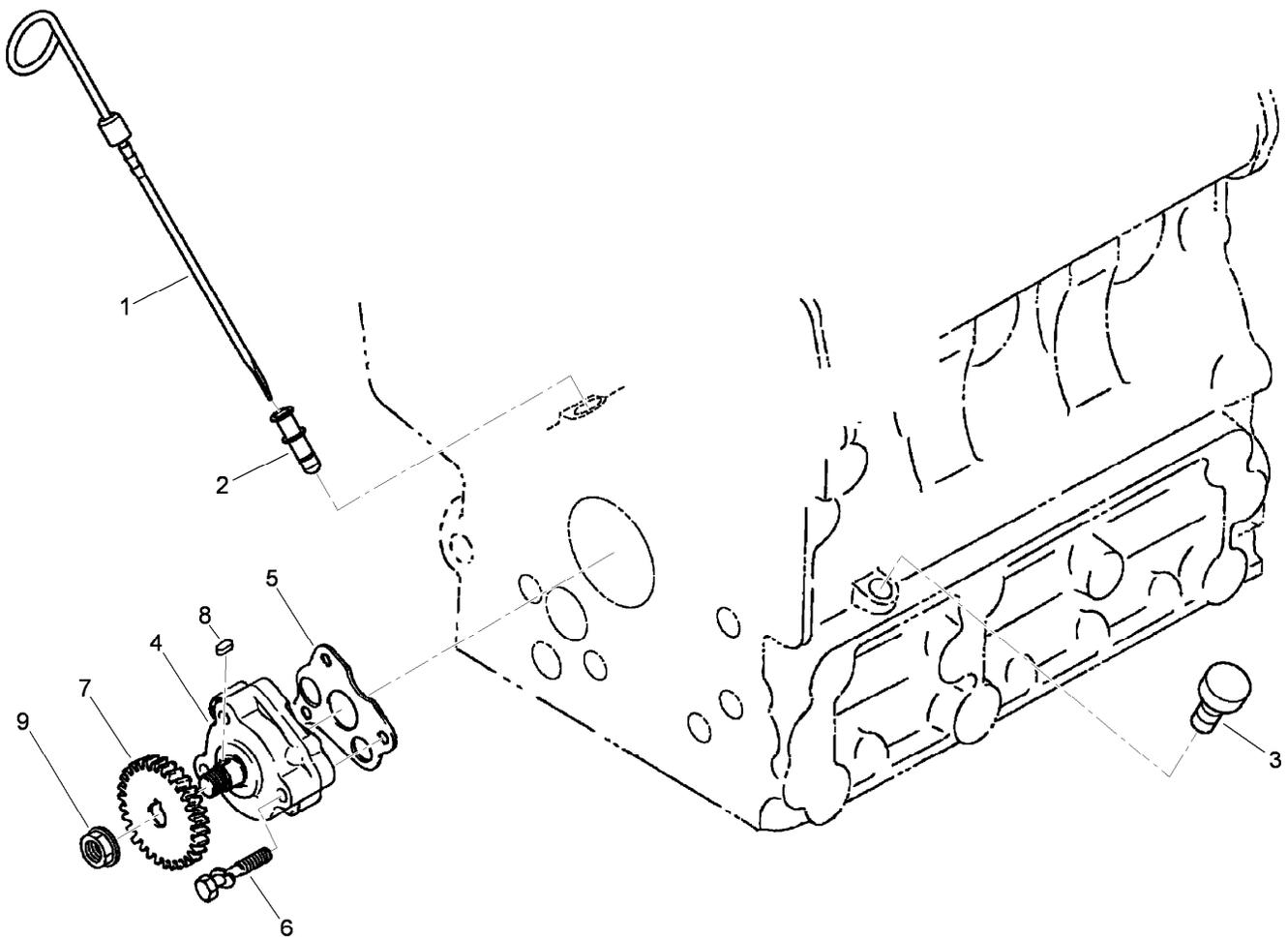
## Gear Case and Oil Filter Cartridge Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	112-8331	1	Case-Gear
2	98-7488	2	Plug
3	110-3708	1	Stay-Spring, Start
4	100-2040	2	Screw
5	98-9388	1	Joint-Pipe
6	100-1926	1	Washer-Plain
7	100-2004	1	Spring
8	100-1894	1	Seat-Valve
9	100-1792	1	Ball
10	117-0327	1	Gasket-Case, Gear
11	98-7605	1	Bolt
12	105-3797	9	Bolt
13	100-1922	2	Bolt
14	98-9357	2	Bolt
15	110-3710	1	Bolt
17	100-1971	1	Seal-Oil
18	100-1892	1	Cartridge-Filter, Oil



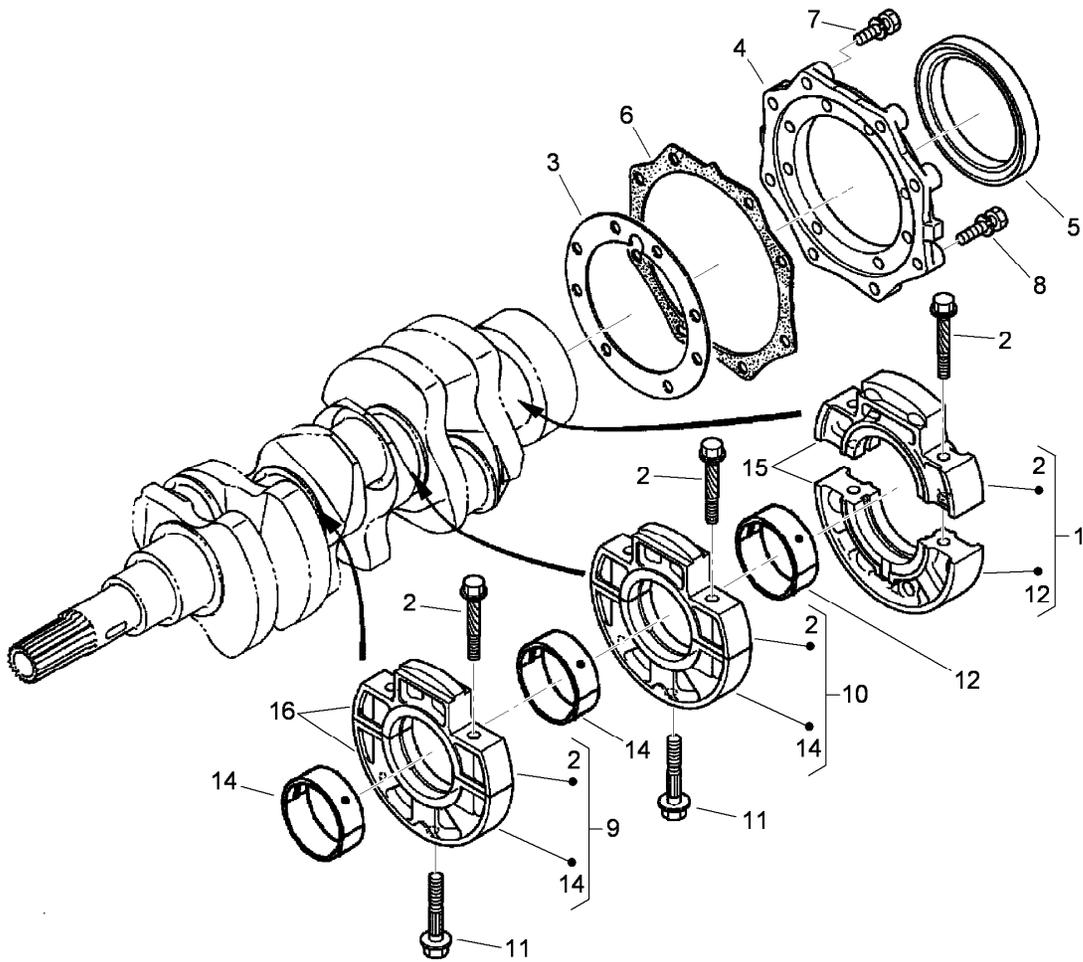
## Cylinder Head Cover Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3711	1	Tube-Breather
2	110-3712	2	Clamp-Hose
3	112-8332	1	Cylinder Head Cover ASM
4	98-9580	1	Pipe-Return, Water
5	110-3714	1	Cover-Breather
6	110-3715	1	Valve-Breather
7	98-9364	4	Screw (With Washer)
10	112-2521	1	Gasket-Cover, Head
11	108-7063	6	Bolt
12	107-9075	1	Plug-Filler, Oil
13	99-3446	1	O-Ring
15	110-3843	1	Label-Instruction



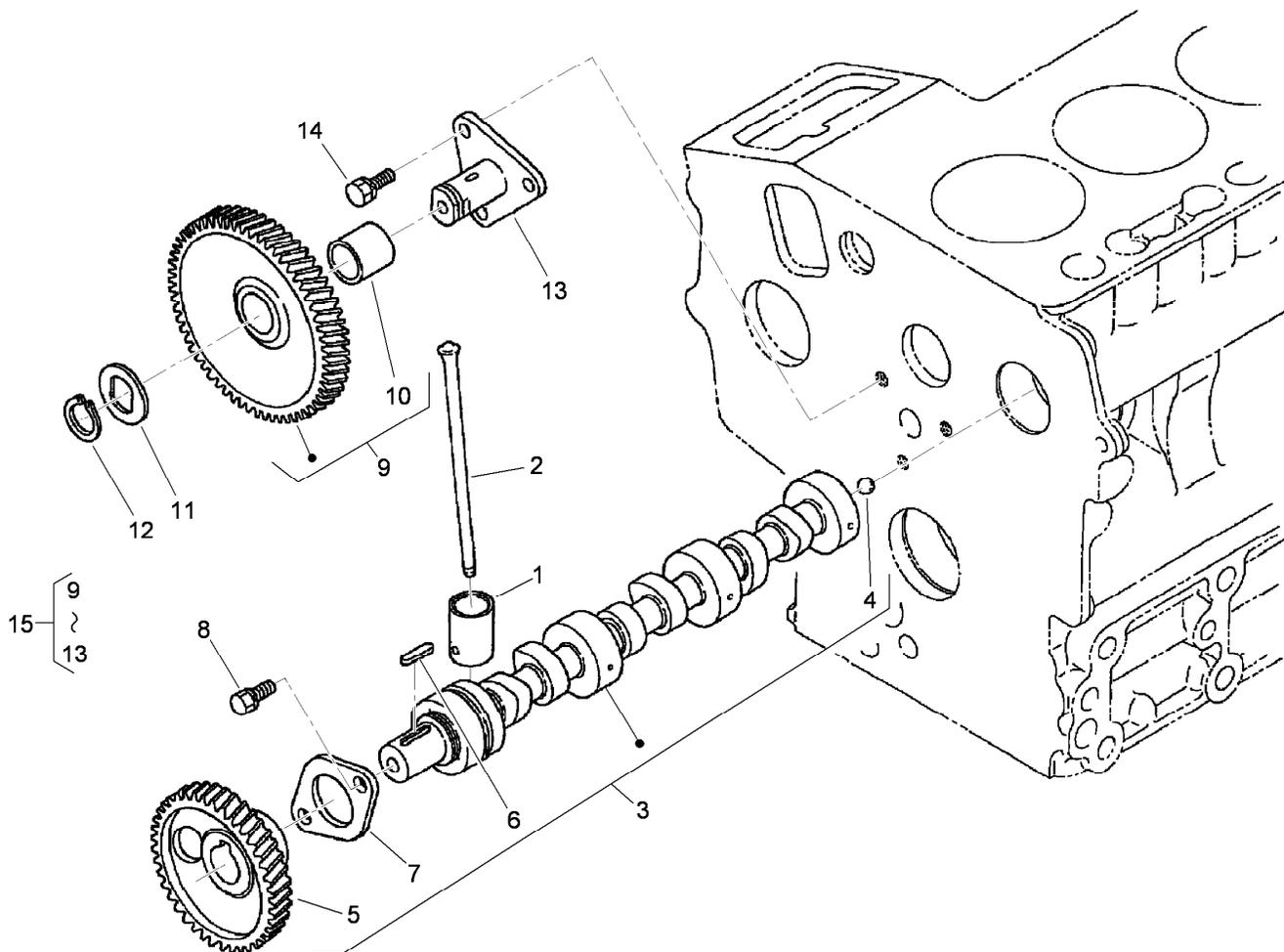
## Dipstick, Guide and Oil Pump Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3719	1	Gauge-Oil
2	105-4580	1	Guide-Gauge, Oil
3	110-3720	1	Plug-Gauge, Oil
4	100-2002	1	Oil Pump ASM
5	100-2003	1	Gasket-Pump, Oil
6	100-1923	3	Bolt
7	100-1893	1	Gear-Drive, Oil Pump
8	98-7658	1	Key-Feather
9	100-1779	1	Nut-Flange



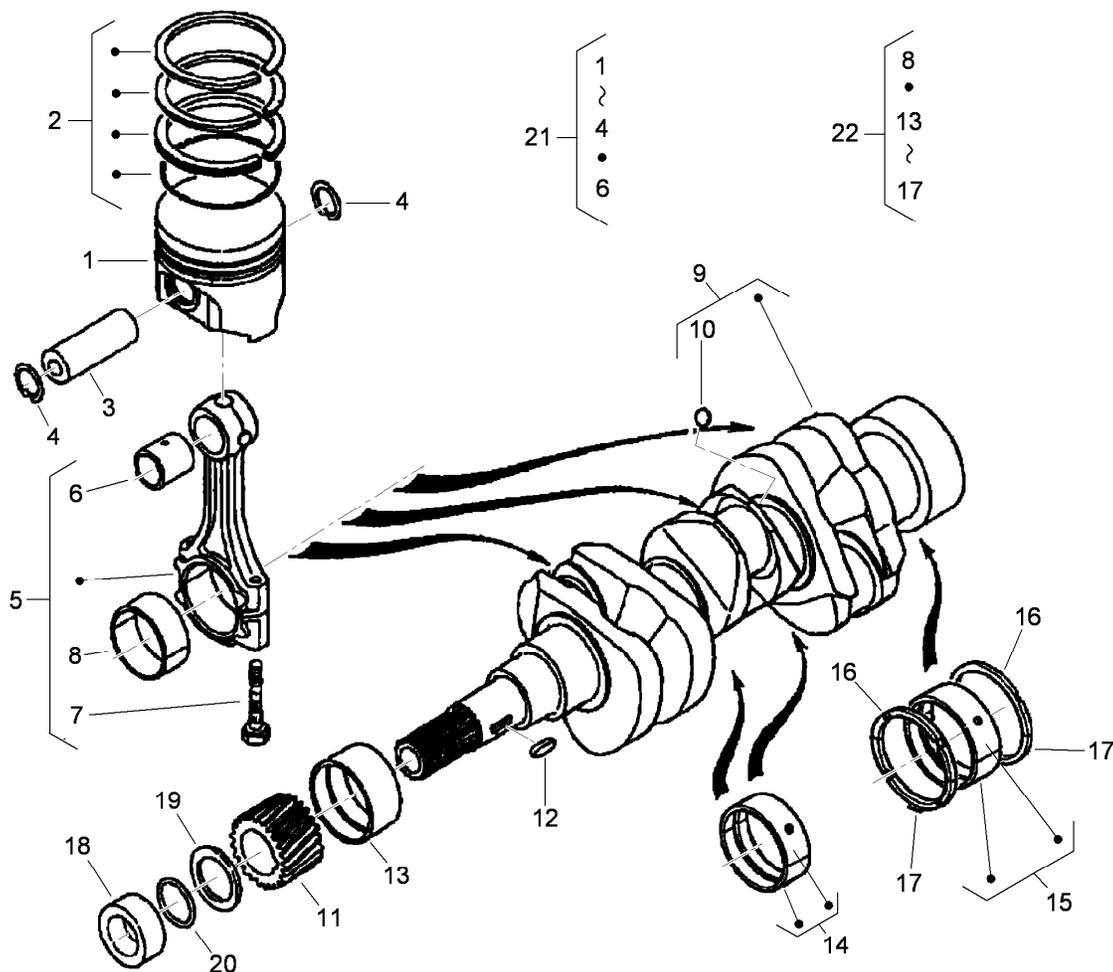
## Main Bearing Case Assembly

Ref.	Part Number	Qty.	Description
1	112-2494	1	Wheel Case Bearing ASM
2	110-3723	6	Bolt-Case, Bearing
3	117-0304	1	Gasket-Case, Bearing
4	112-8334	1	Cover-Case, Bearing
5	110-3724	1	Seal-Oil
6	100-1876	1	Gasket-Case, Bearing
7	98-7568	8	Bolt
8	100-1750	8	Bolt
9	112-2495	1	Main Case Bearing ASM
10	112-2496	1	Main Case Bearing ASM
11	100-1874	2	Bolt-Case, Bearing
12	110-3744	1	Crankshaft Metal ASM (STD)
12	110-3745	1	Crankshaft Metal ASM
12	110-3746	1	Crankshaft Metal ASM
14	110-3741	2	Crankshaft Metal ASM (STD)
14	110-3742	2	Crankshaft Metal ASM
14	110-3743	2	Crankshaft Metal ASM
15	110-3722	1	Main Bearing Case ASM
16	110-3725	1	Main Bearing Case ASM



## Cam Shaft and Idle Gear Assembly

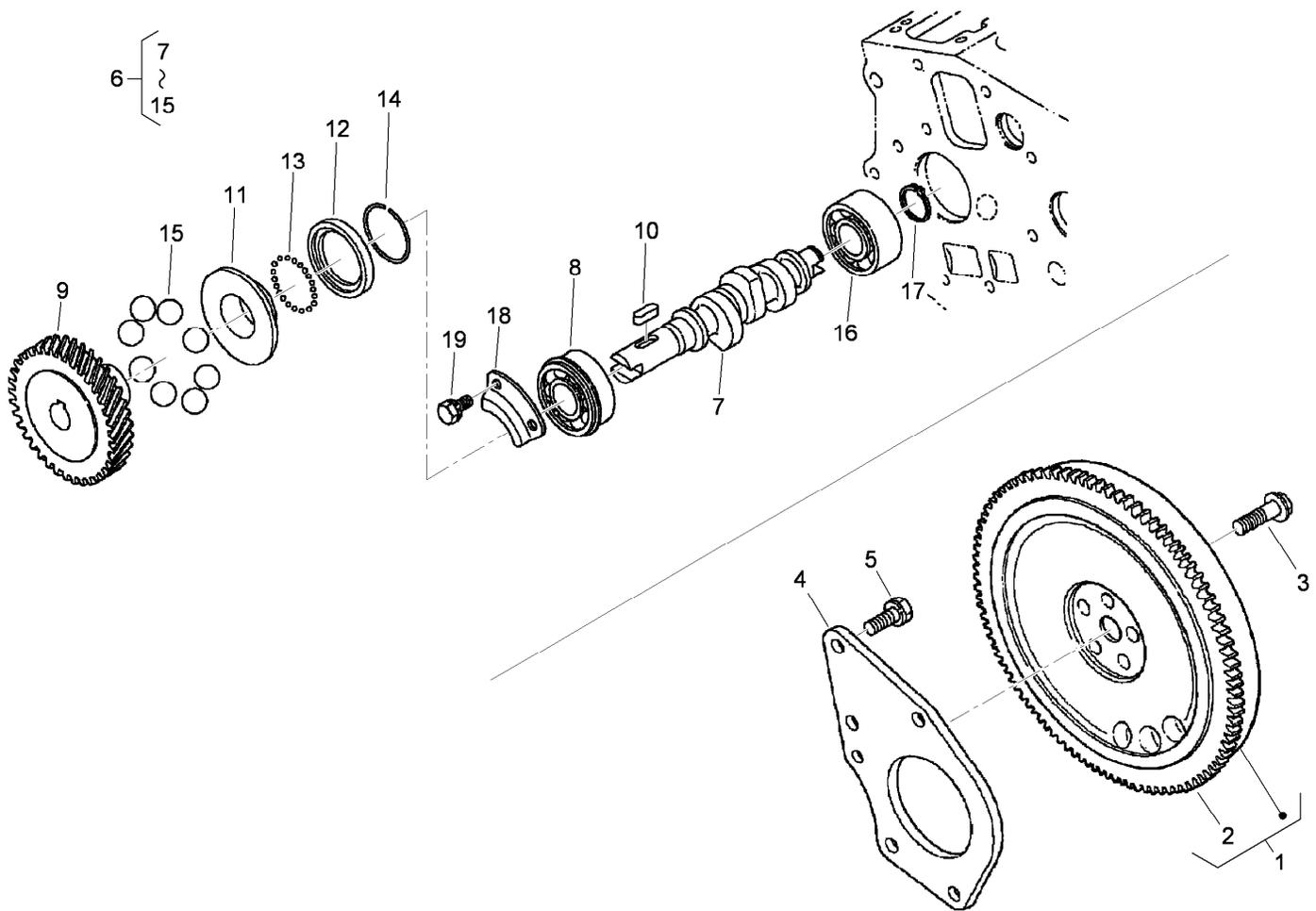
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3727	6	Tappet
2	100-1989	6	Rod-Push
3	117-0305	1	Camshaft ASM
4	110-3729	1	Ball
5	100-2163	1	Gear-Cam
6	98-9378	1	Key-Feather
7	100-1887	1	Camshaft-Stopper
8	98-9350	2	Bolt
9	100-1966	1	Gear-Idle
10	100-1968	1	Bushing
11	100-1970	1	Collar-Gear, Idle
12	100-1969	1	Ring-Snap
13	100-1967	1	Shaft-Gear, Idle
14	98-9351	1	Bolt
15	100-2240	1	Idle Gear ASM



## Piston and Crankshaft Assembly

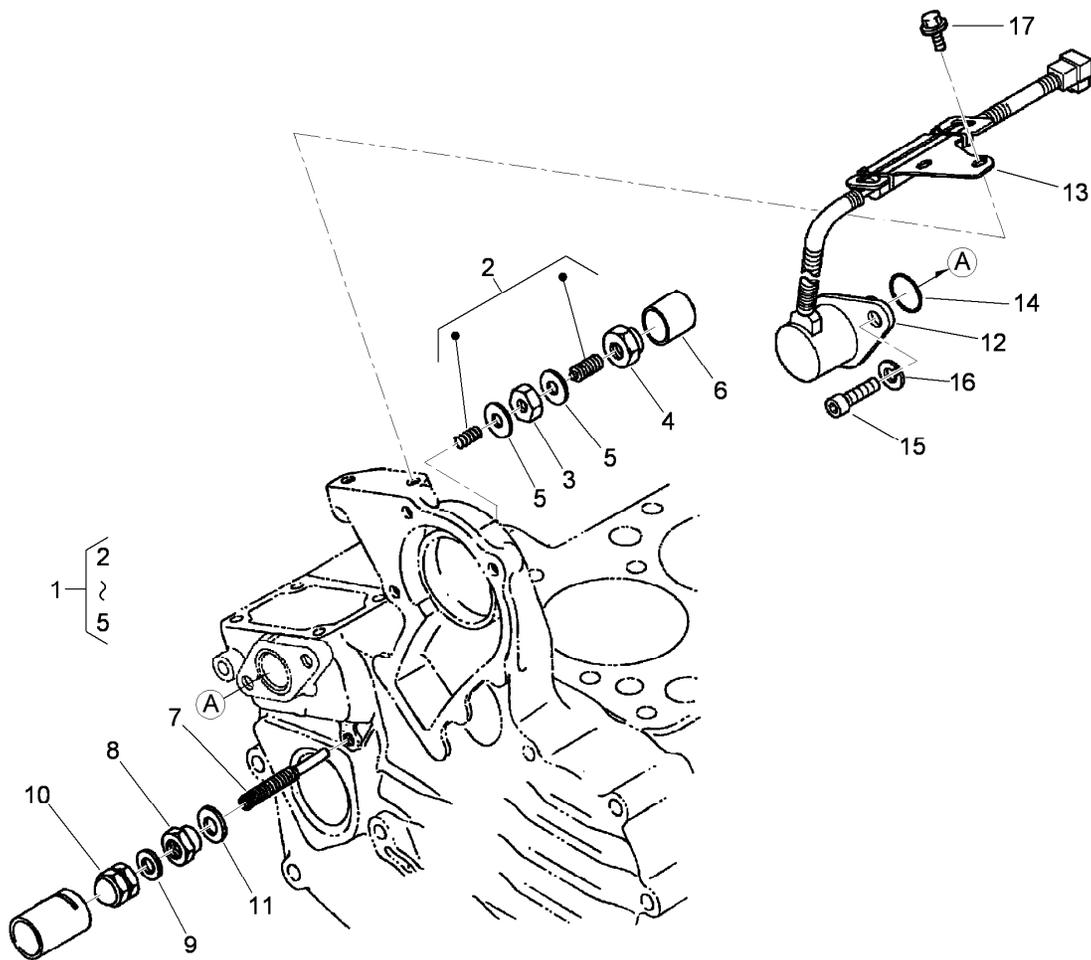
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	117-0306	3	Piston
1	117-0307	3	Piston
2	112-2501	3	Piston Ring ASM
2	112-2502	3	Piston Ring ASM
3	110-3734	3	Pin-Piston
4	100-1835	6	Clip-Pin, Piston
5	110-3735	3	Connecting Rod ASM
6	110-3736	3	Bushing-Pin, Piston
7	100-1999	6	Bolt-Rod, Connecting
8	100-1942	3	Crankpin-Metal
8	100-1943	3	Crankpin-Metal
8	100-2000	3	Metal-Crankpin
9	117-0308	1	Crankshaft
10	100-1791	3	Ball
11	100-1891	1	Gear-Crankshaft
12	100-1752	1	Key-Feather
13	110-3738	1	Metal-Crankshaft
13	110-3739	1	Metal-Crankshaft
13	110-3740	1	Metal-Crankshaft
14	110-3741	1	Crankshaft Metal ASM (STD)

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
14	110-3742	1	Crankshaft Metal ASM
14	110-3743	1	Crankshaft Metal ASM
15	110-3744	1	Crankshaft Metal ASM (STD)
15	110-3745	1	Crankshaft Metal ASM
15	110-3746	1	Crankshaft Metal ASM
16	100-1836	2	Metal-Side
16	100-1838	2	Metal-Side
16	100-1839	2	Metal-Side
17	117-0309	2	Metal, Side
17	117-0310	2	Metal, Side
17	117-0311	2	Metal, Side
18	100-1890	1	Collar-Crankshaft
19	100-1974	1	Slinger-Oil
20	100-2209	1	O-Ring
21	117-0328	3	Piston Kit
21	117-0329	3	Piston Kit
22	110-3749	1	Engine Metal Kit
22	110-3750	1	Engine Metal Kit
22	110-3751	1	Engine Metal Kit



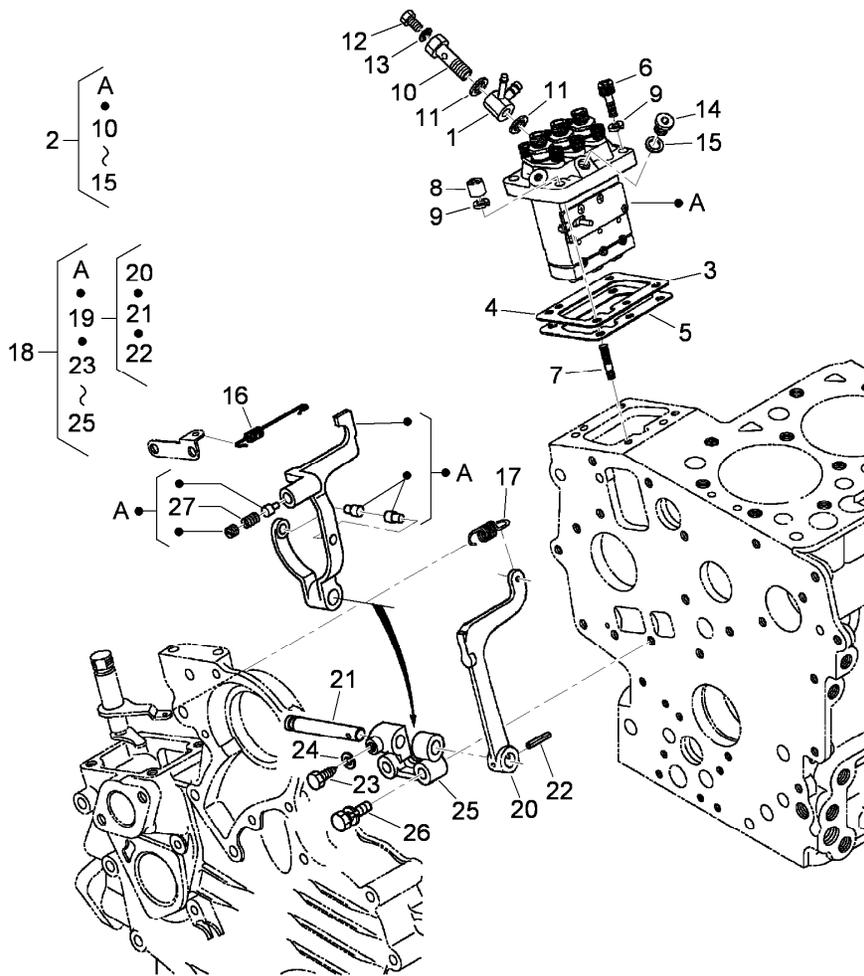
## Flywheel and Fuel Camshaft Assembly

Ref.	Part Number	Qty.	Description
1	110-3752	1	Flywheel
2	112-2816	1	Gear-Ring
3	100-1930	5	Bolt-Flywheel
4	117-0323	1	Plate-End, Rear
5	110-3754	3	Bolt
6	112-8335	1	Fuel Camshaft ASM
7	110-3756	1	Camshaft-Fuel
8	100-1795	1	Bearing-Ball
9	100-2006	1	Gear-Pump, Injection
10	100-1752	1	Key-Feather
11	112-8336	1	Sleeve-Governor
12	100-1904	1	Case-Ball, Governor
13	100-1790	32	Ball
14	100-1843	1	Clip-Sleeve, Governor
15	100-1793	8	Ball
16	110-3757	1	Bearing-Ball
17	100-1784	1	Clip-External
18	100-1888	1	Stopper-Fuel, Camshaft
19	98-9350	2	Bolt



## Idle Apparatus and Stop Solenoid Assembly

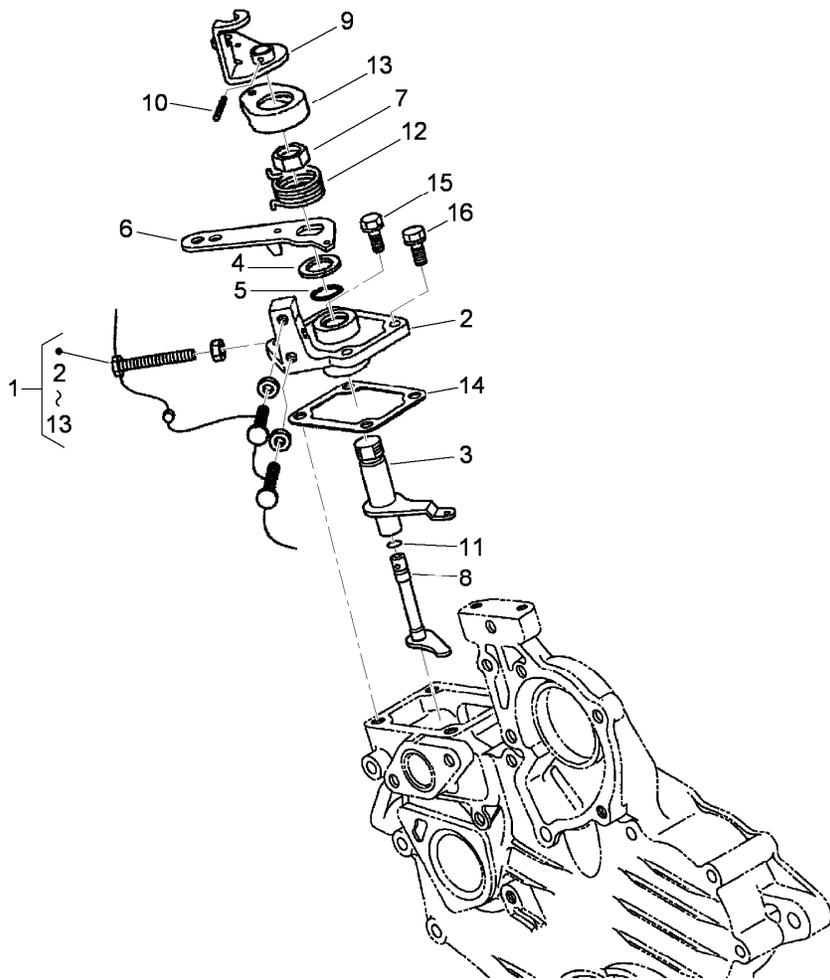
Ref.	Part Number	Qty.	Description
1	100-1898	1	Idle Apparatus ASM
2	100-1899	1	Adjusting Bolt ASM
3	100-1846	1	Nut
4	100-1901	1	Nut-Cap
5	98-7428	2	Gasket
6	100-1902	1	Cap
7	110-3758	1	Bolt-Adjusting
8	100-2175	1	Nut-Lock
9	98-7654	1	Gasket
10	99-8387	1	Nut-Cap
11	107-9081	1	Gasket
12	110-3760	1	Solenoid-Stop
13	110-3761	1	Stay-Commander, Coil
14	110-3762	1	O-Ring
15	110-3763	2	Bolt-HSH
16	98-7699	2	Washer-Spring
17	100-1774	2	Bolt-Flange



## Injection Pump and Governor Assembly

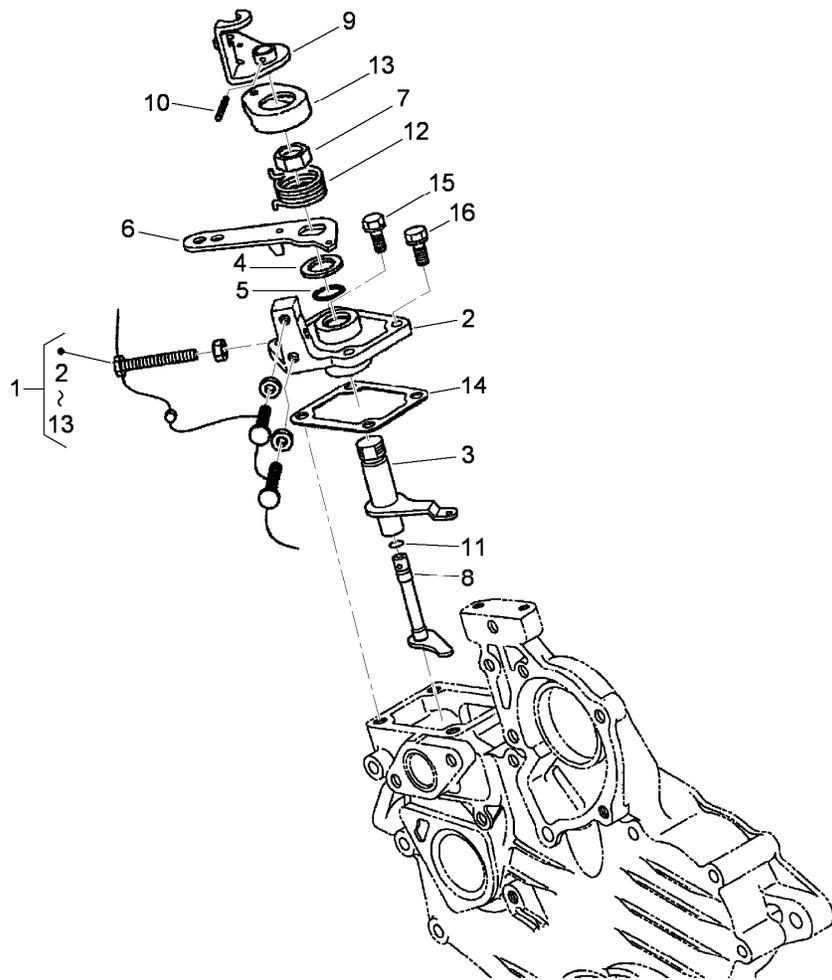
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3764	1	Joint
2	110-3765	1	Injection Pump ASM
3	98-9456	1	Shim-Injection (0.20Mm)
4	115-3045	1	Shim-Injection (0.175Mm)
5	115-3046	1	Shim-Injection (0.35Mm)
6	98-9361	2	Bolt-HSH
7	98-9438	2	Stud
8	98-9440	2	Nut-Cap
9	98-7699	4	Washer-Spring
10	100-1896	1	Screw-Hollow
11	98-9445	2	Gasket
12	98-9430	1	Screw
13	98-9446	1	Gasket
14	98-9466	1	Plug

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
15	98-9451	1	Gasket
16	110-3766	1	Spring-Start
17	110-3767	1	Spring-Governor
18	112-8337	1	Fork Lever ASM
19	100-1905	1	Fork Lever ASM
20	100-1907	1	Lever-Fork
21	100-1908	1	Shaft-Lever, Fork
22	100-1751	1	Pin-Spring
23	100-1845	1	Bolt
24	100-2204	1	Washer-Spring
25	100-1909	1	Holder-Lever, Fork
26	100-1763	2	Bolt
27	117-0313	1	Spring



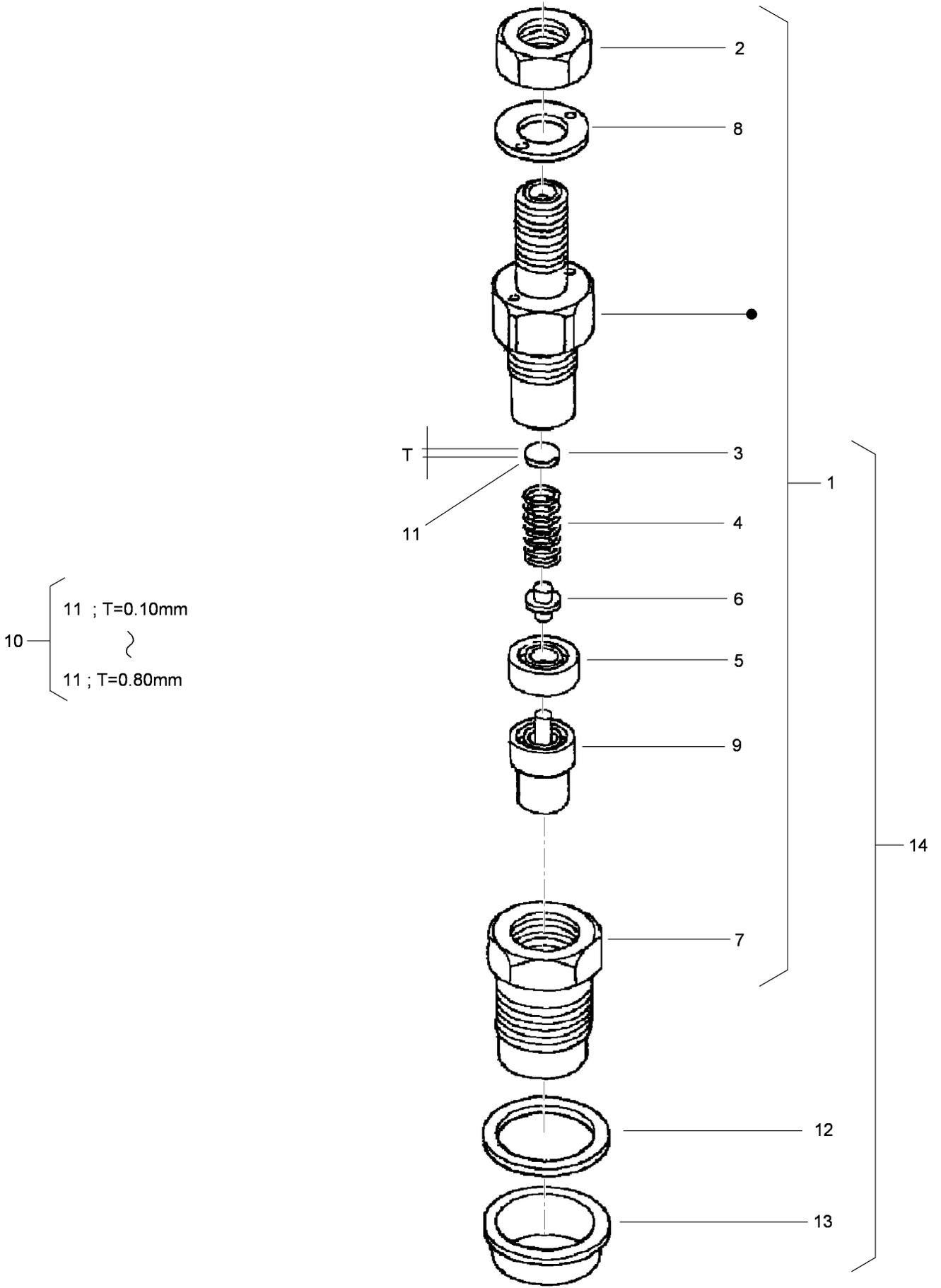
## Speed Control Plate Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3769	1	Speed Control Plate ASM
2	110-3770	1	Plate-Control, Speed
3	110-3771	1	Lever-Governor
4	110-3772	1	Collar
5	100-2208	1	O-Ring
6	110-3773	1	Lever-Control, Speed
7	110-3774	1	Nut-Control, Speed
8	110-3775	1	Shaft-Lever
9	110-3776	1	Lever-Stop, Engine
10	110-3777	1	Pin-Spring
11	100-2207	1	O-Ring
12	110-3778	1	Spring-Return
13	110-3779	1	Cap
14	100-1962	1	Gasket-Plate, Control
15	98-7605	2	Bolt
16	112-2507	2	Bolt



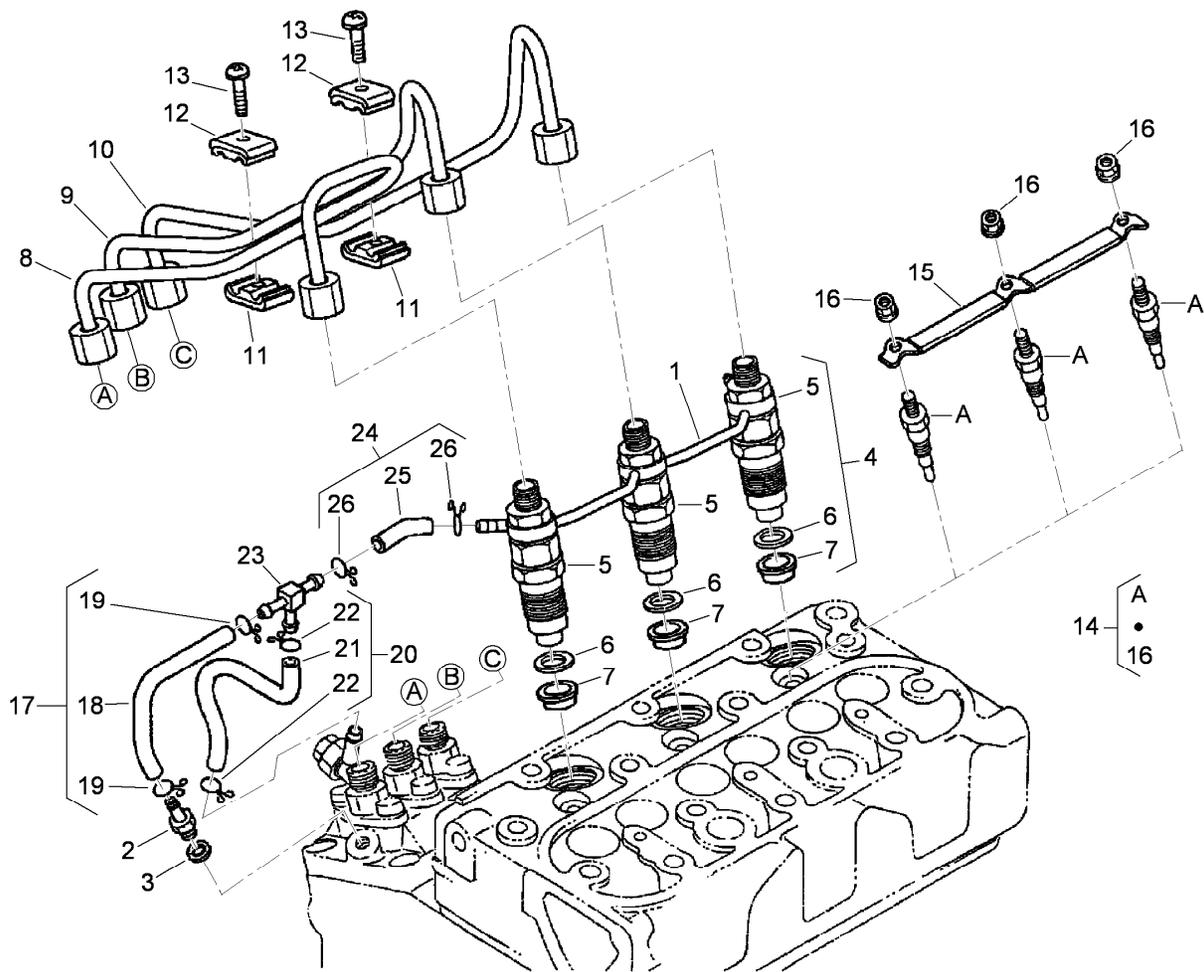
## Speed Control Plate Assembly (continued)

# Nozzle Holder Assembly



## Nozzle Holder Assembly (continued)

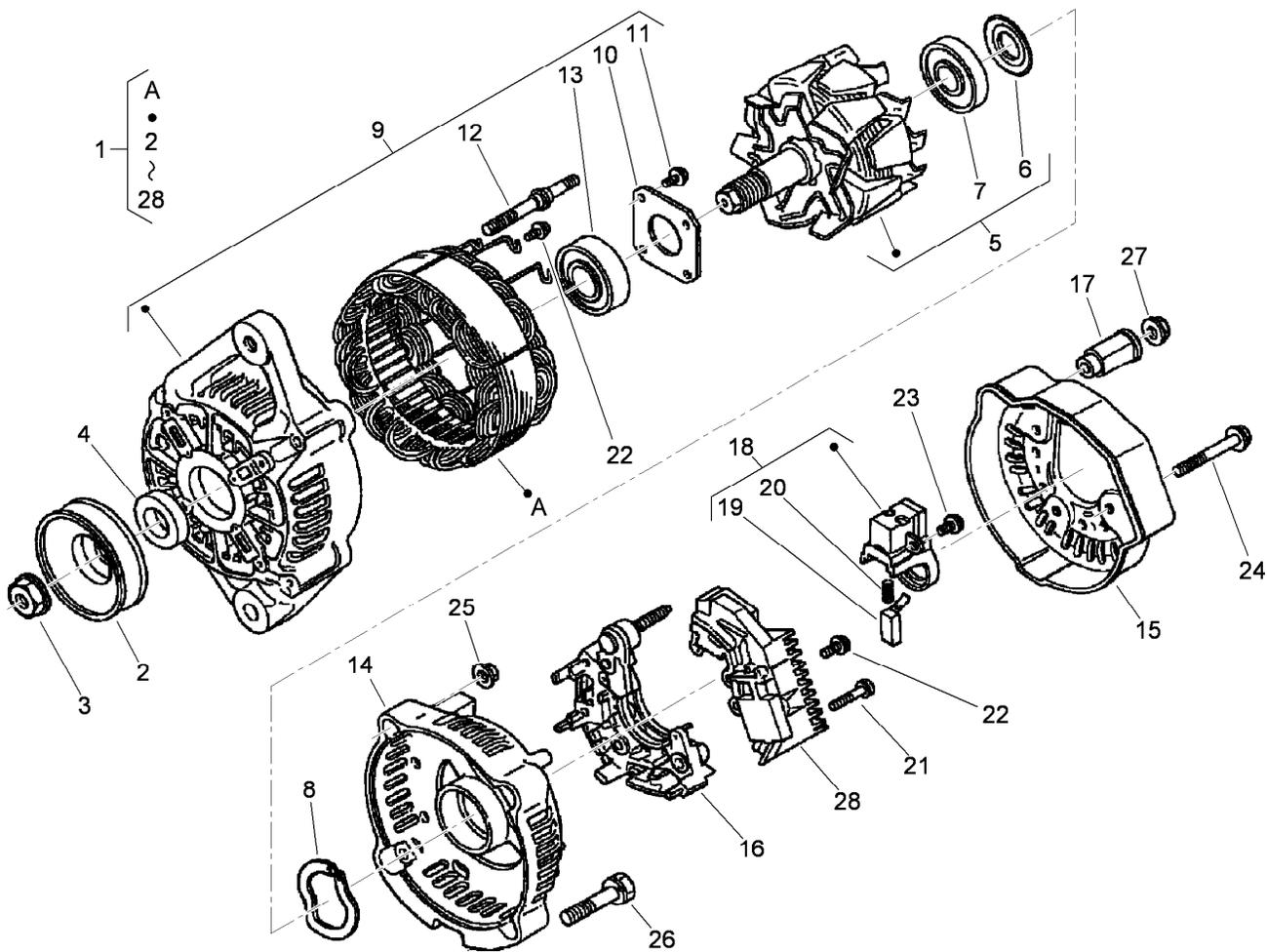
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>	<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	100-1758	3	Nozzle Holder ASM	11	98-7858	3	Washer-Adjusting
2	98-7613	3	Nut	11	98-7859	3	Washer-Adjusting
3	98-7642	3	Washer-Adjusting	11	98-7860	3	Washer-Adjusting
4	98-7647	3	Spring-Nozzle	11	98-7861	3	Washer-Adjusting
5	98-7665	3	Spacer-Distance	11	98-7862	3	Washer-Adjusting
6	98-7666	3	Rod-Push	11	98-7863	3	Washer-Adjusting
7	100-2008	3	Nut-Nozzle	11	98-7864	3	Washer-Adjusting
8	98-7668	3	Washer	11	98-7865	3	Washer-Adjusting
9	100-2009	3	Piece-Nozzle	11	98-7866	3	Washer-Adjusting
10	98-9448	3	Adjusting Washer ASM	11	98-7867	3	Washer-Adjusting
11	98-7642	3	Washer-Adjusting	11	98-7868	3	Washer-Adjusting
11	98-7841	3	Washer-Adjusting	11	98-7869	3	Washer-Adjusting
11	98-7842	3	Washer-Adjusting	11	98-7870	3	Washer-Adjusting
11	98-7843	3	Washer-Adjusting	11	98-7871	3	Washer-Adjusting
11	98-7844	3	Washer-Adjusting	11	98-7872	3	Washer-Adjusting
11	98-7845	3	Washer-Adjusting	11	98-7873	3	Washer-Adjusting
11	98-7846	3	Washer-Adjusting	11	98-7874	3	Washer-Adjusting
11	98-7847	3	Washer-Adjusting	11	98-7875	3	Washer-Adjusting
11	98-7848	3	Washer-Adjusting	11	98-7876	3	Washer-Adjusting
11	98-7849	3	Washer-Adjusting	11	98-7877	3	Washer-Adjusting
11	98-7850	3	Washer-Adjusting	11	98-7878	3	Washer-Adjusting
11	98-7851	3	Washer-Adjusting	11	98-7879	3	Washer-Adjusting
11	98-7852	3	Washer-Adjusting	11	98-7880	3	Washer-Adjusting
11	98-7853	3	Washer-Adjusting	11	98-7881	3	Washer-Adjusting
11	98-7854	3	Washer-Adjusting	11	98-7882	3	Washer-Adjusting
11	98-7855	3	Washer-Adjusting	12	98-7676	3	Gasket
11	98-7856	3	Washer-Adjusting	13	98-7677	3	Seal-Heat
11	98-7857	3	Washer-Adjusting	14	100-1982	3	Nozzle Holder Kit



## Nozzle Holder and Glow Plug Assembly

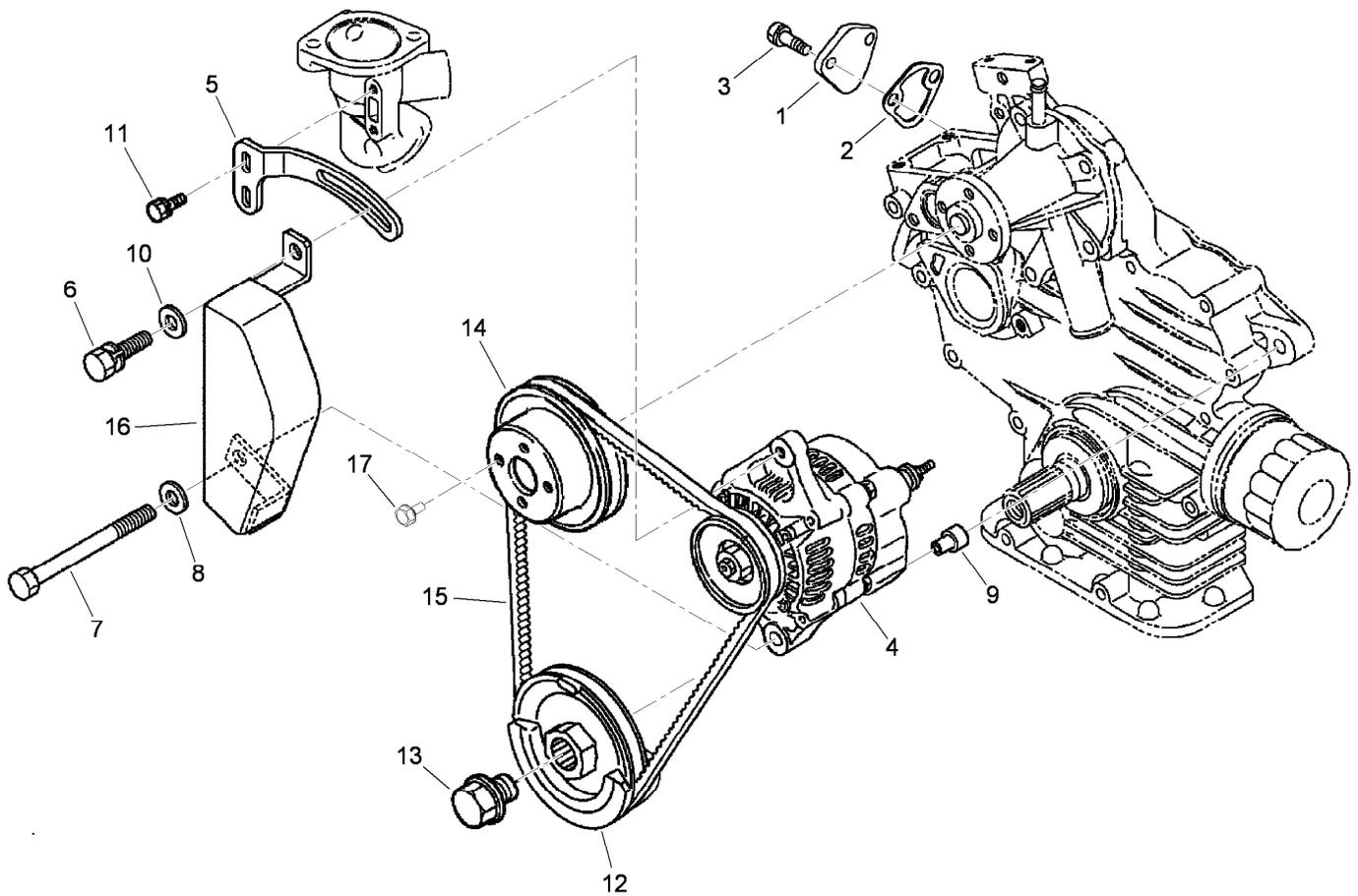
Ref.	Part Number	Qty.	Description
1	110-3780	1	Over Flow Pipe ASM
2	98-9431	1	Screw-Bleeder, Air
3	98-7654	1	Gasket
4	100-1982	3	Nozzle Holder Kit
5	100-1758	3	Nozzle Holder ASM
6	98-7676	3	Gasket
7	98-7677	3	Seal-Heat
8	110-3781	1	Pipe-Injection
9	110-3782	1	Pipe-Injection
10	110-3783	1	Pipe-Injection
11	98-7682	2	Clamp-Pipe
12	98-7683	2	Clamp-Pipe
13	98-7684	2	Screw (W/Washer)

Ref.	Part Number	Qty.	Description
14	98-7685	3	Plug-Glow
15	110-3784	1	Cord-Plug, Glow
16	99-8377	3	Nut-Flange
17	110-3785	1	Fuel Tube ASM
18	110-3786	1	Tube-Fuel
19	98-7671	4	Clip-Pipe
20	110-3787	1	Fuel Tube ASM
21	110-3788	1	Tube-Fuel
22	98-7671	2	Clip-Pipe
23	112-8338	1	Pipe-Joint, T
24	110-3790	1	Fuel Tube ASM
25	110-3791	1	Tube-Fuel
26	100-2217	2	Clip-Pipe



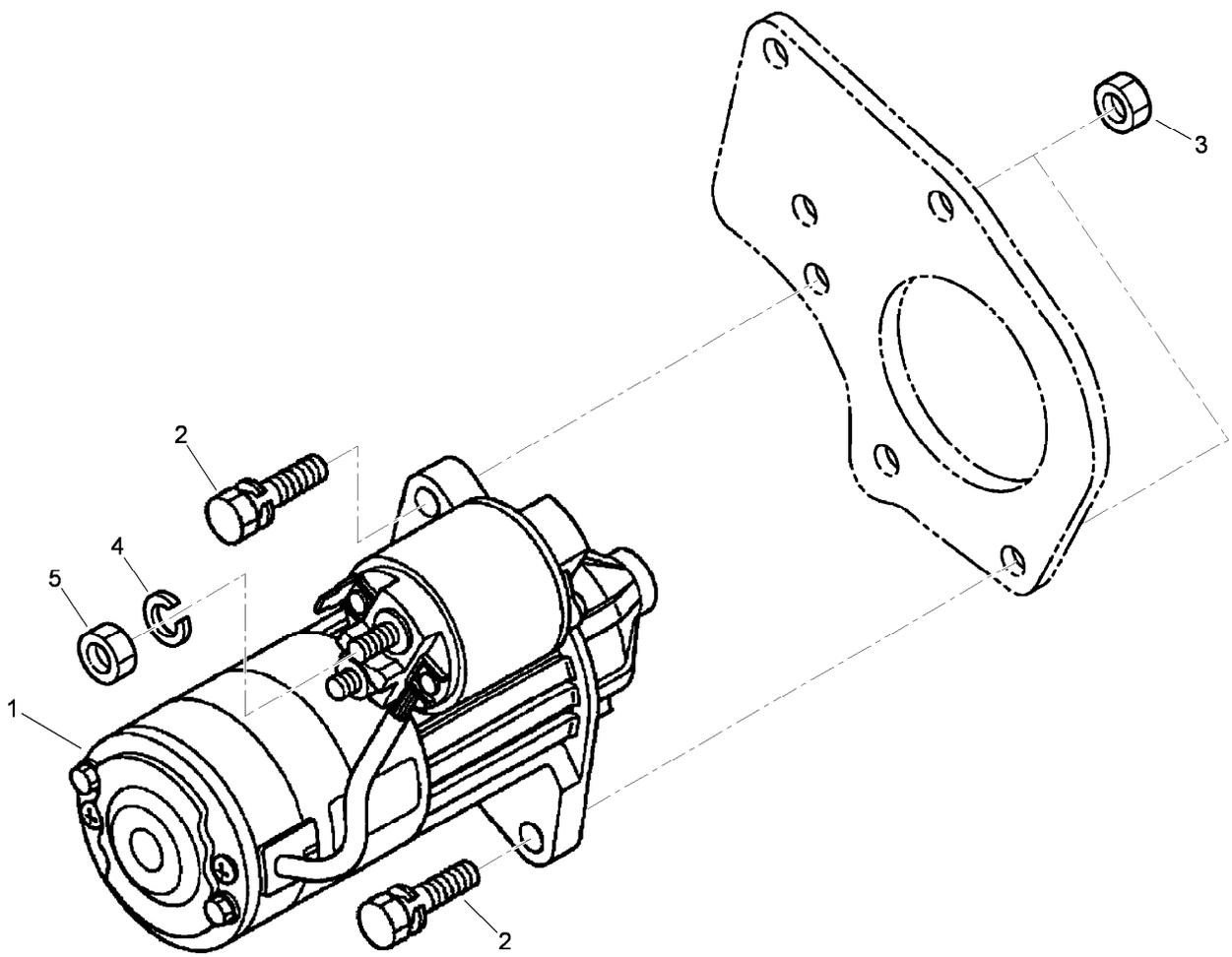
## Alternator Components Assembly

<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	98-9474	1	Alternator ASM	15	107-0140	1	Cover-End
2	98-9453	1	Pulley-Dynamo	16	98-7721	1	Rectifier ASM
3	98-7708	1	Nut	17	98-7722	1	Bushing-Insulation
4	98-7709	1	Collar	18	107-0141	1	Brush Holder ASM
5	107-0136	1	Rotor ASM	19	98-7724	2	Brush
6	98-7711	1	Cover-Bearing	20	98-7725	2	Spring-Brush
7	107-0138	1	Bearing-Ball	21	98-7726	2	Screw-Head, Round
8	98-7713	1	Washer-Thrust	22	98-7727	6	Screw-Head, Round
9	107-0139	1	Drive End Frame ASM	23	98-7728	1	Screw-Head, Round
10	98-7715	1	Plate-Retainer	24	98-7729	3	Bolt
11	98-7716	4	Screw-Head, Round	25	98-7730	2	Nut
12	98-7717	2	Bolt-Through	26	98-7731	2	Bolt
13	107-0137	1	Bearing-Ball	27	98-7732	1	Nut
14	107-9087	1	Frame-End	28	110-3799	1	Regulator ASM



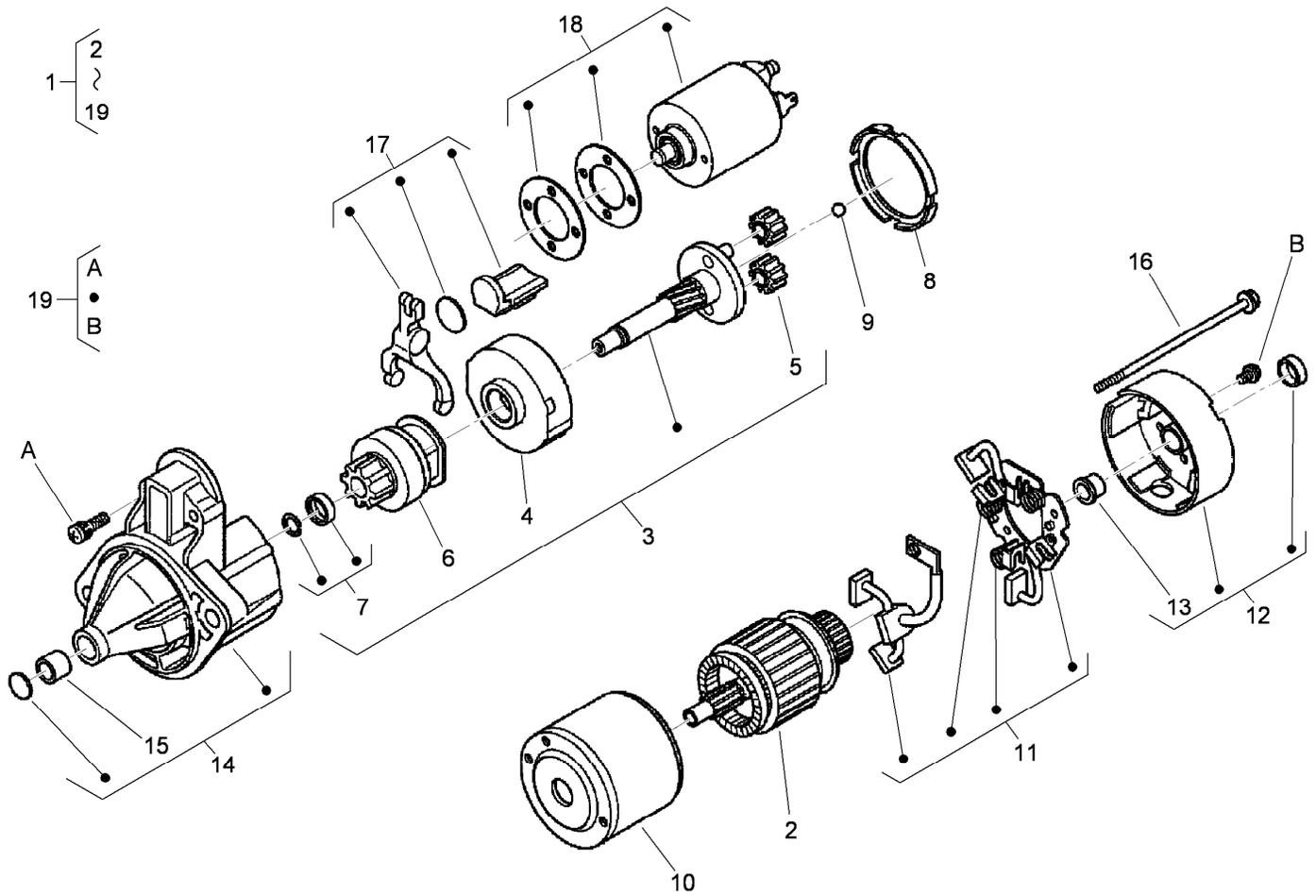
## Alternator, Pulley and Fuel Pump Cover Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	99-3514	1	Cover
2	98-9636	1	Gasket-Pump, Fuel
3	98-7692	2	Bolt
4	98-9474	1	Alternator ASM
5	110-3792	1	Stay-Alternator
6	98-7697	1	Bolt
7	110-3793	1	Bolt
8	98-7660	1	Washer-Plain
9	110-3794	1	Collar
10	100-9233	1	Washer-Plain
11	98-7605	2	Bolt
12	110-3795	1	Pulley-Drive, Fan
13	100-1978	1	Bolt
14	100-1921	1	Pulley-Fan
15	110-3796	1	Belt-V
16	110-3797	1	Cover
17	99-8363	4	Bolt-Flange



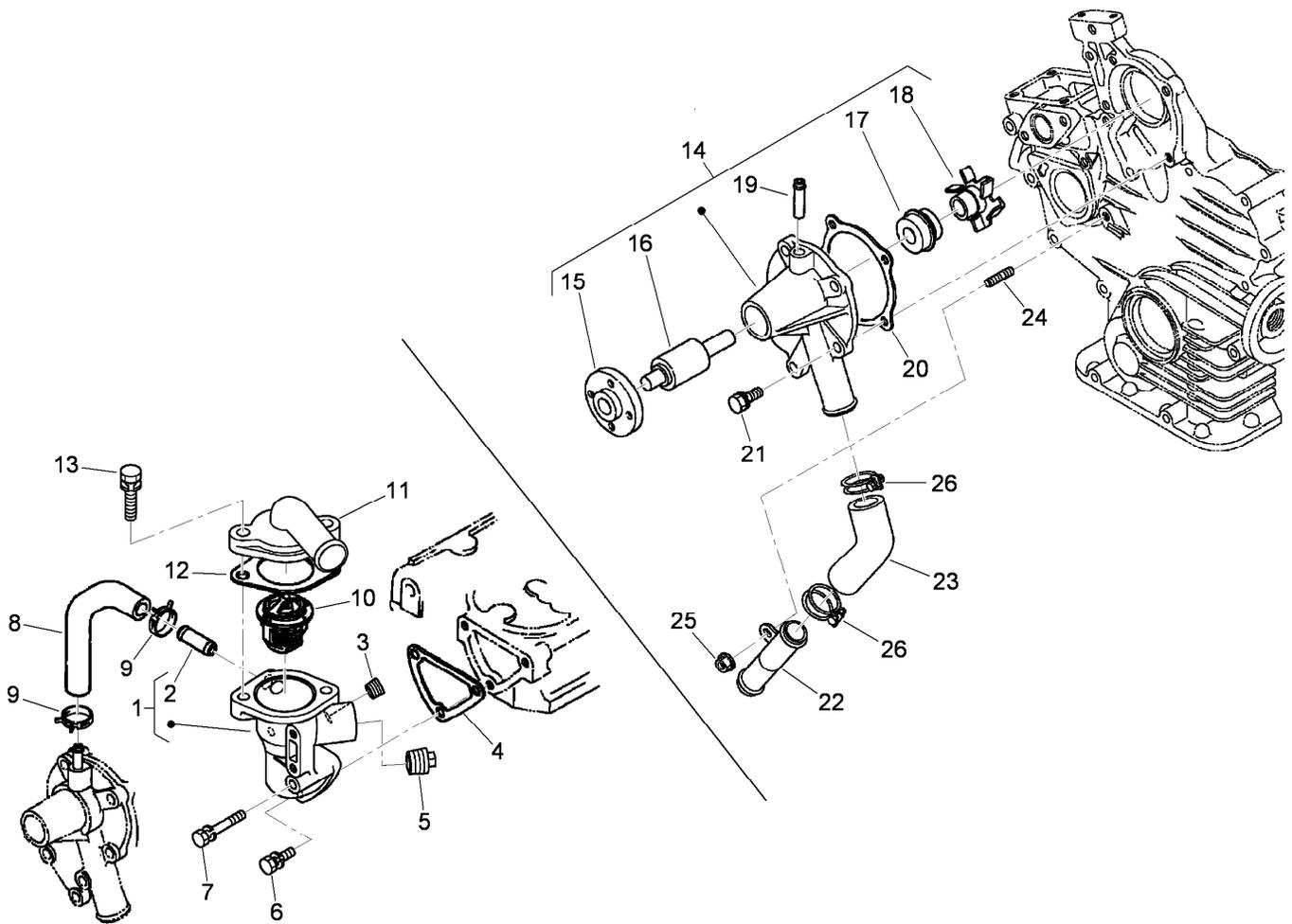
## Starter Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3800	1	Starter ASM
2	100-1770	2	Bolt
3	98-7661	2	Nut
4	98-7535	1	Washer-Spring
5	98-7534	1	Nut



## Starter Components Assembly

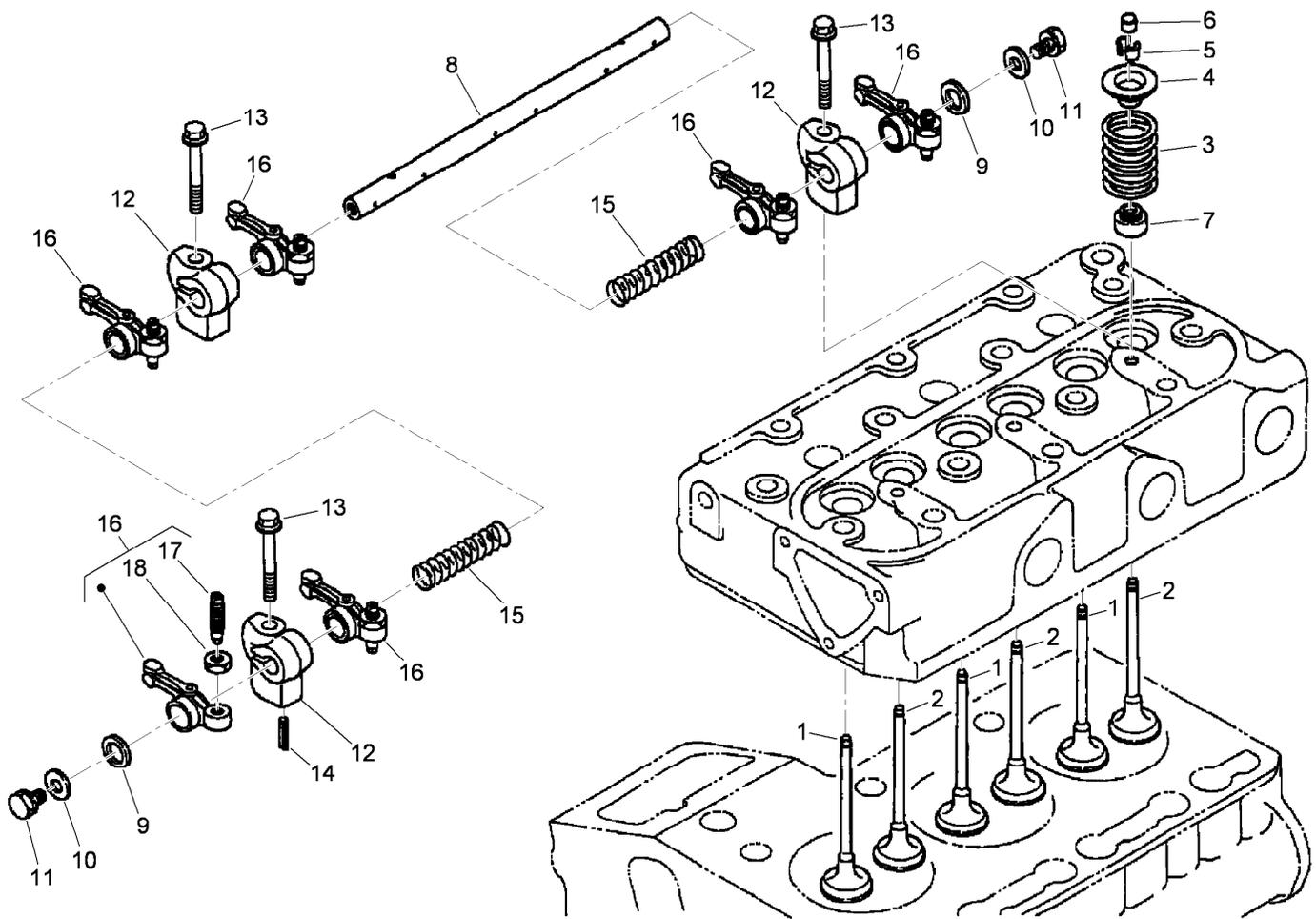
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3800	1	Starter ASM
2	110-3801	1	Armature
3	110-3802	1	Shaft ASM
4	110-3803	1	Gear-Internal
5	110-3804	3	Gear-Planetary
6	110-3805	1	Clutch-Running, Over
7	110-3806	1	Stopper
8	110-3807	1	Gasket
9	110-3808	1	Ball
10	110-3809	1	Yoke
11	110-3810	1	Brush Holder ASM
12	110-3811	1	Rear Bracket ASM
13	110-3812	1	Bushing
14	110-3813	1	Front Bracket ASM
15	110-3814	1	Bushing
16	110-3815	2	Bolt
17	110-3816	1	Lever-Fork
18	110-3817	1	Switch-Magnetic
19	110-3818	1	Screw-Head, Pan



## Water Flange and Thermostat Assembly

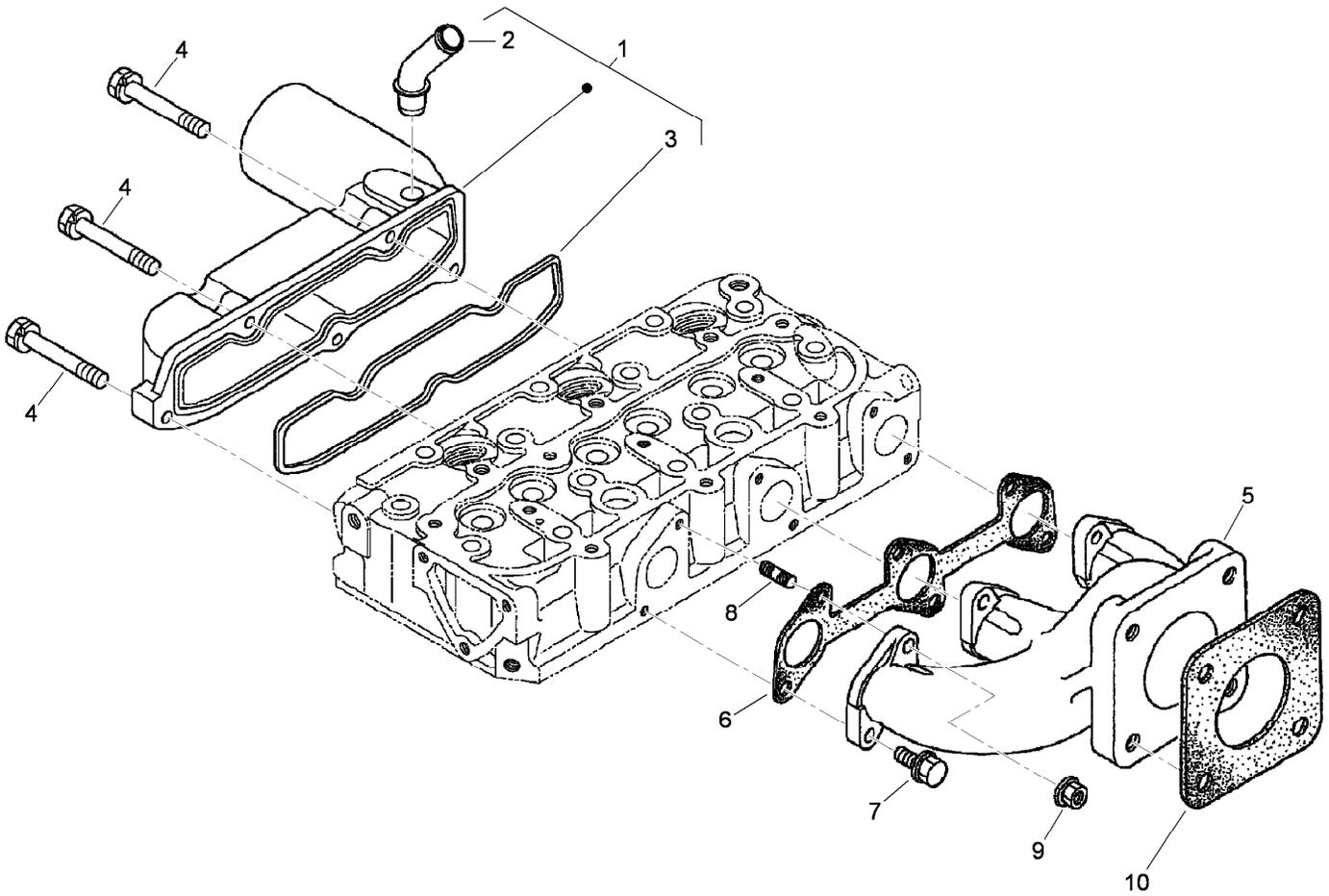
<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3819	1	Flange-Water
2	98-9580	1	Pipe-Return, Water
3	98-9444	1	Plug
4	110-3820	1	Gasket-Flange, Water
5	110-3821	1	Plug
6	98-7692	2	Bolt
7	105-3797	1	Bolt
8	110-3822	1	Pipe-Return, Water
9	98-9579	2	Band-Pipe
10	98-7778	1	Thermostat ASM
11	110-3823	1	Cover-Thermostat
12	105-3748	1	Gasket-Thermostat
13	98-7777	2	Bolt

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
14	110-3824	1	Water Pump ASM
15	100-1933	1	Flange-Pump, Water
16	100-1934	1	Bearing-Ball
17	99-3518	1	Water Pump Seal ASM
18	110-3825	1	Impeller-Pump, Water
19	100-1932	1	Pipe-Return, Water
20	117-0330	1	Gasket-Pump, Water
21	100-1750	4	Bolt
22	100-1918	1	Pipe-Water
23	110-3827	1	Pipe-Water
24	100-1924	1	Stud
25	100-2203	1	Nut-Flange
26	110-3828	2	Band-Pipe



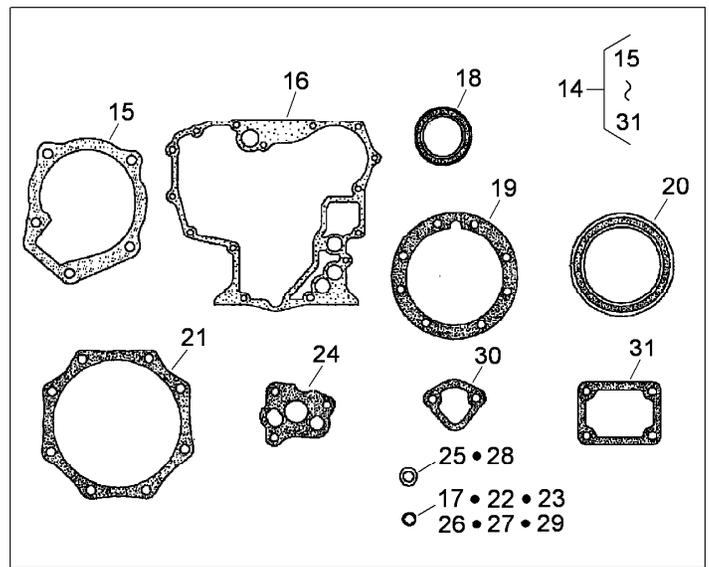
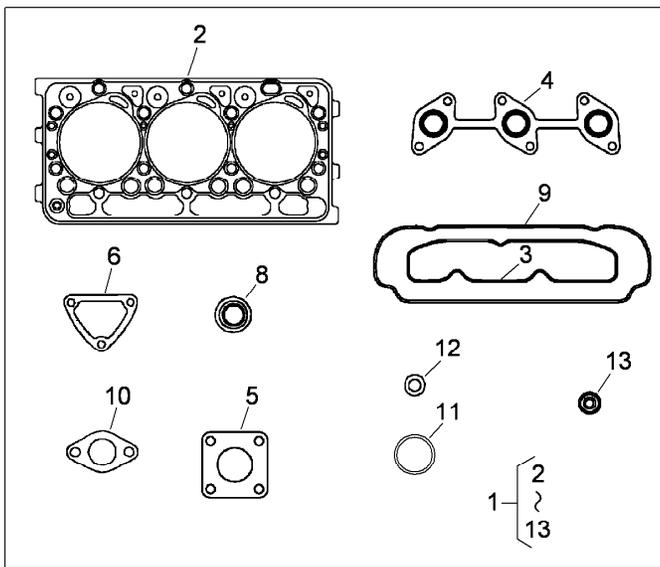
## Valve and Rocker Arm Assembly

Ref.	Part Number	Qty.	Description
1	112-2514	3	Valve-Inlet
2	112-2515	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	112-8341	1	Shaft-Arm, Rocker
9	100-2044	2	Washer
10	110-3832	2	Washer-Plain
11	100-1762	2	Bolt
12	110-3833	3	Bracket-Arm, Rocker
13	110-3834	3	Bolt-Flange
14	98-7602	1	Pin-Spring
15	112-8342	2	Spring
16	100-1884	6	Rocker Arm ASM
17	100-1885	6	Screw-Adjusting
18	100-1827	6	Nut



## Inlet and Exhaust Manifold Assembly

<i>Ref.</i>	<i>Part Number</i>	<i>Qty.</i>	<i>Description</i>
1	110-3836	1	Inlet Manifold ASM
2	110-3837	1	Pipe-Breather
3	110-3838	1	Gasket-Manifold, Intake
4	98-9352	5	Bolt
5	110-3839	1	Manifold-Exhaust
6	110-3840	1	Gasket-Manifold, Exhaust
7	100-1775	3	Bolt
8	100-2202	3	Stud
9	100-1778	3	Nut
10	99-8343	1	Gasket-Muffler



## Upper and Lower Gasket Kits

Ref.	Part Number	Qty.	Description
1	112-2518	1	Upper Gasket Kit
2	112-2520	1	Gasket-Head, Cylinder
3	110-3838	1	Gasket-Manifold, Intake
4	110-3840	1	Gasket-Manifold, Exhaust
5	99-8343	1	Gasket-Muffler
6	110-3820	1	Gasket-Flange, Water
8	100-1797	6	Seal-Stem, Valve
9	112-2521	1	Gasket-Cover, Head
10	105-3748	1	Gasket-Thermostat
11	99-3446	1	O-Ring
12	98-7676	3	Gasket
13	98-7677	3	Seal-Heat
14	117-0331	1	Lower Gasket Kit
15	117-0330	1	Gasket-Pump, Water
16	117-0327	1	Gasket-Case, Gear

Ref.	Part Number	Qty.	Description
17	110-3762	1	O-Ring
18	100-1971	1	Seal-Oil
19	100-1873	1	Gasket-Case, Bearing
20	110-3724	1	Seal-Oil
21	100-1876	1	Gasket-Case, Bearing
22	100-2206	3	O-Ring
23	100-2209	1	O-Ring
24	100-2003	3	Gasket-Pump, Oil
25	98-7654	3	Gasket
26	100-2208	1	O-Ring
27	100-2207	1	O-Ring
28	110-9715	3	Gasket-Pan, Oil
29	105-3776	1	O-Ring
30	98-9636	1	Gasket-Pump, Fuel
31	100-1962	1	Gasket-Plate, Control

# Attachments and Accessories

## For 74265TE Z580-D Z Master, With 152cm TURBO FORCE Side Discharge Mower

<b>Product Name</b>	<b>Model/Part</b>
Blade-Mid Flow, 20.5 inch.....	105-7715-03
Blade-Lo Flow, 20.5 inch.....	105-7716-03
Blade-Hi Flow, 20.5 inch .....	105-7718-03
Blade-Recycler, 20.5 inch .....	105-7777-03
Blade-Atomic, 20.5 inch.....	105-8777-03
Recycler Kit .....	107-1611
Striping Kit .....	107-1630
Turbo Baffle Kit .....	107-1634
Light Kit.....	107-9880
6 Pack Blade, 20.5 inch Hi-Flow .....	108-1114
6 Pack-Blade, 20.5 inch Atomic .....	108-1115
6 Pack Blade, 20.5 inch Mid-Flow .....	108-1123
6 Pack-Blade, 20.5 inch Lo Flow.....	108-1128
Roller Striping Kit.....	108-2162
6 Pack-Blade, 20.5 inch Recycler .....	110-0405
DFS Vac Collection System Mounting Kit .....	110-0891
DFS Bagger Gusset Kit.....	110-3946
Bimini Folding Shade Assembly .....	115-4510
Vac Collection System .....	78514
Chute Gate Kit .....	78521
Filter Minder Gauge .....	99-4664
Hitch Kit .....	99-8925



**Count on it.**