



Groundsmaster® 3505-D

Model No. 30826 - 280000001 and up.

Parts Catalog

Ordering Replacement Parts

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

Understanding Reference Numbers

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

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

Service Assembly Reference Numbers

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

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

Reference Numbers Indicating Quantity

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

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

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Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

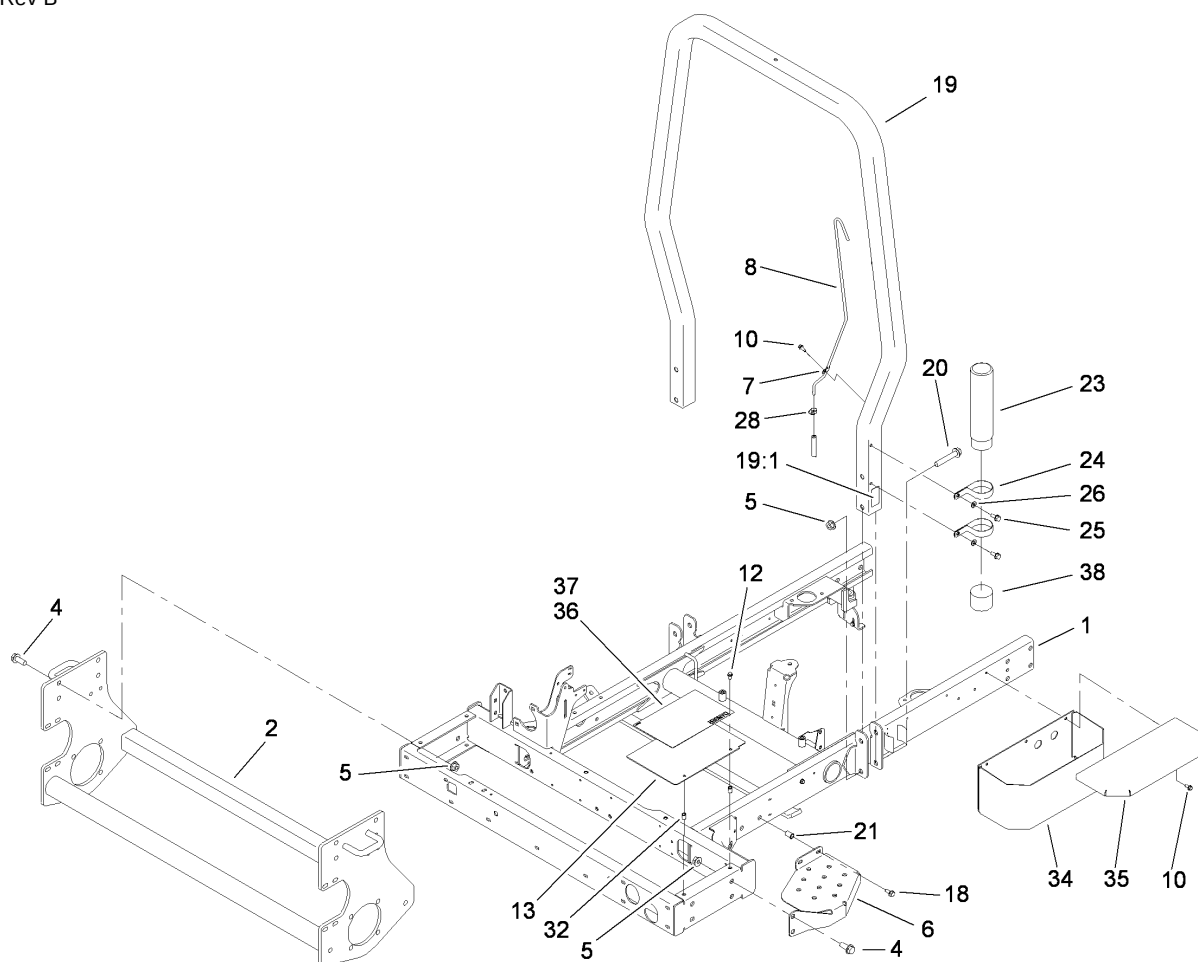
AR.	as required	HYD.	hydraulic
ASM.	assembly	LH.	left hand
BBC.	blade brake clutch	NI.	nylon insert
CARR.	carriage	NPTF.	national pipe thread fine
DEG.	degrees	PFH.	phillips flat head
EXT.	external	PPH.	phillips pan head
FH.	flat head	PPHTF.	phillips pan head thread forming
GA.	gauge	PRH.	phillips round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

Footnotes

- ❶

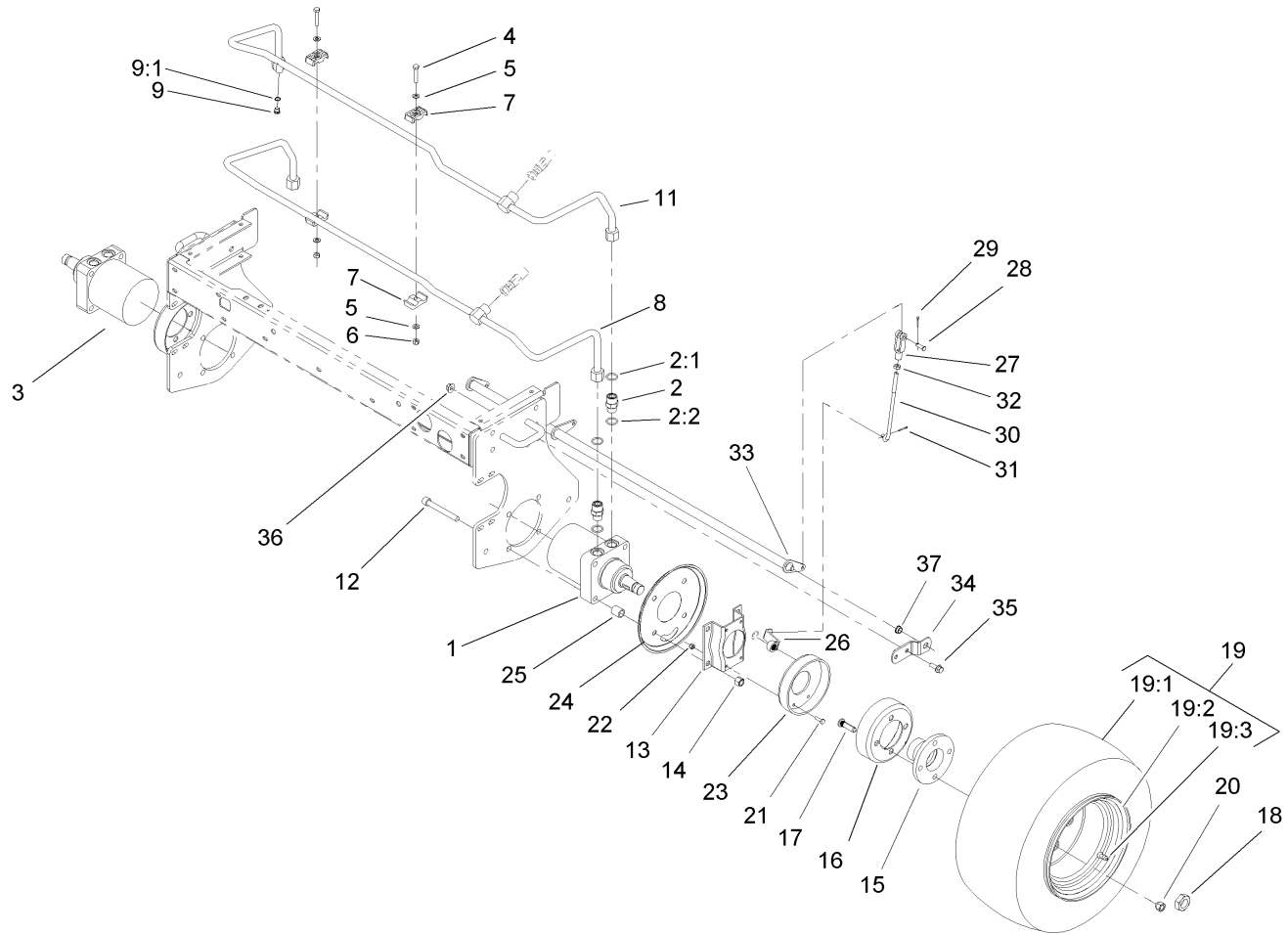
Not illustrated
- ❷

Not serviced separately



Frame Assembly

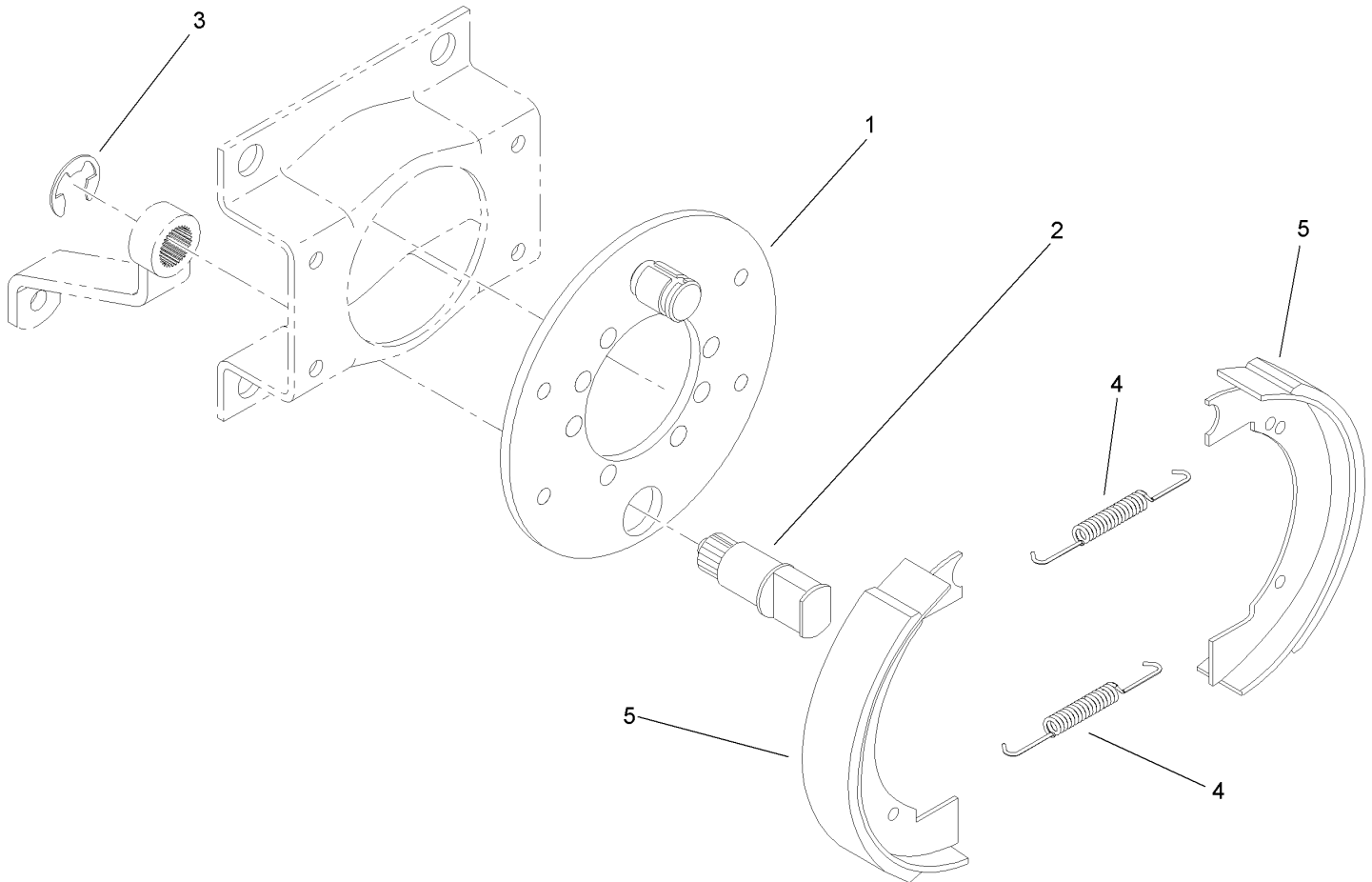
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	99-3610-03	1	Frame ASM	37	104-5181	1	Decal-Danger, Ce
2	95-8568-03	1	Frame-Lower	38	104-7048	1	Cap-Housing
4	3234-38	8	Screw-HHF				
5	32128-49	12	Nut-HHF				
6	99-3375-03	1	Step				
7	2412-72	3	Clip-Closed, Insulated				
8	95-8615	1	Tube-Breather				
10	32144-10	6	Screw-HWH				
12	3234-4	2	Screw-HHF				
13	104-0468-01	1	Cover-Frame				
18	3234-5	2	Screw-HHF				
19	107-7833	1	ROPS ASM				
19:1	107-7831	1	Decal-ROPS				
20	3234-40	4	Screw-HF				
21	32148-8	2	Insert-Threaded				
23	104-7050	1	Housing-Manual				
24	2412-133	2	R-Clamp				
25	32144-70	2	Screw-HWHTF				
26	3256-23	2	Washer-Flat				
28	2412-108	1	Clamp-Worm				
32	32148-6	2	Insert-Nut				
34	104-4634-03	1	Toolbox ASM				
35	104-4633-03	1	Toolbox Cover ASM				
36	108-9015	1	Decal-Danger				



Front Wheel and Brake Assembly

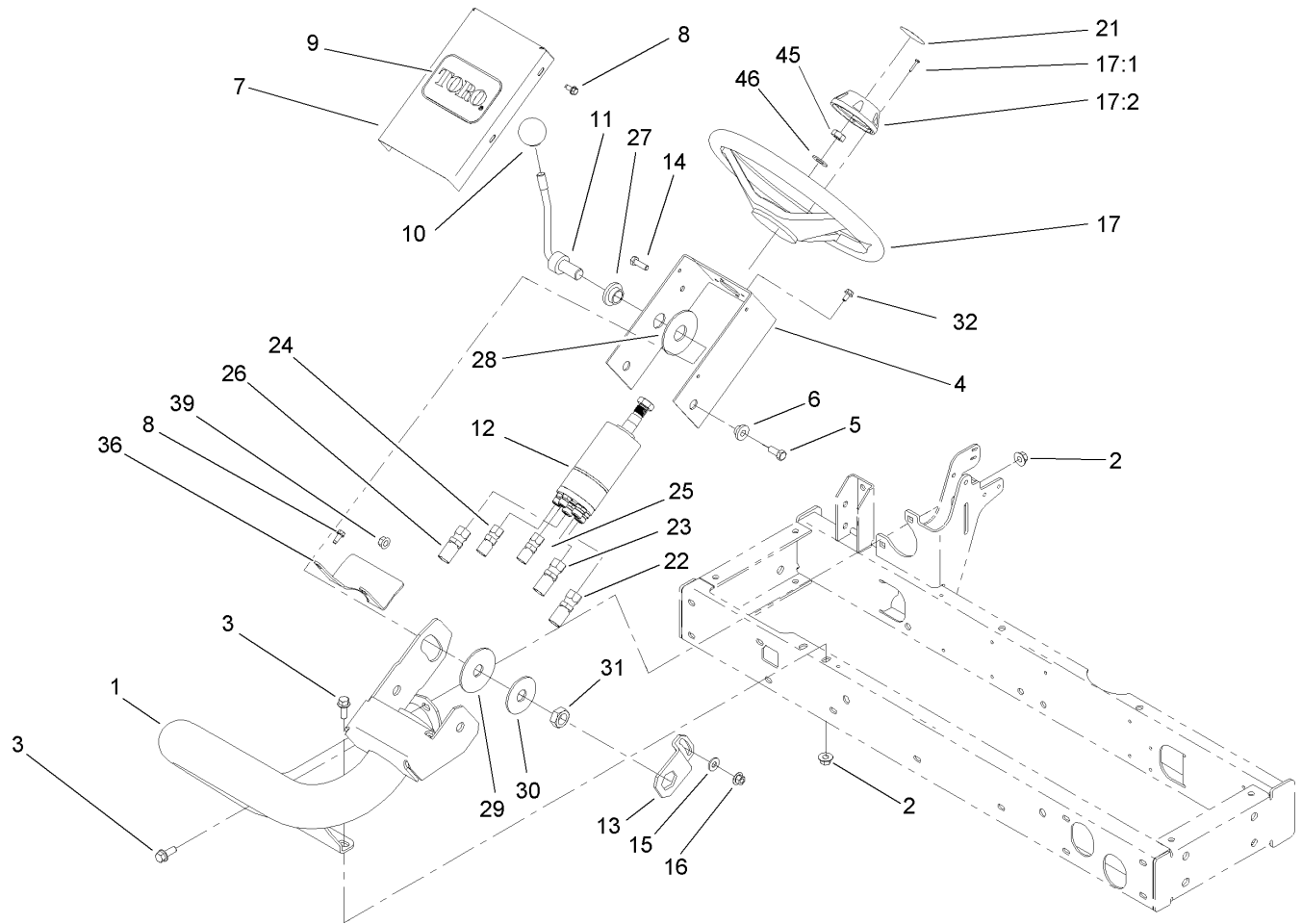
Ref	Part No.	Qty.	Description
1	110-8785	1	Motor-Wheel, LH
2	340-7	4	Adapter
2:1	237-65	1	O-Ring
2:2	237-80	1	O-Ring
3	110-8786	1	Motor-Wheel, RH
4	322-9	2	Screw-HH
5	3256-23	4	Washer-Flat
6	3296-29	2	Nut-Lock, NI
7	56-7971	4	Clamp-Tube
8	95-8783	1	Tube ASM
9	353-990	1	Plug
9:1	237-78	1	O-Ring
11	95-8784	1	Tube ASM
12	3274-99	8	Screw-HSH
13	84-2000-03	2	Bracket-Brake
14	3296-23	8	Nut-Lock, NI
15	93-6838	2	Hub-Wheel
16	10-6850	2	Drum-Brake
17	85-6540	8	Stud-Drive
18	26-3790	2	Nut-Lock
19		2	Tire And Wheel ASM
19:1	95-8656	1	Tire-4-Ply Turf-Trac, (20X10-10)
19:2	99-3474	1	Rim-Wheel
19:3	232-27	1	Stem-Valve

Ref	Part No.	Qty.	Description
20	242-50	8	Nut-Lug
21	321-5	8	Screw-HH
22	3296-42	8	Nut-Lock, NI
23	104-7705	2	Brake ASM
24	104-0485-03	2	Shield-Wheel
25	92-1715	8	Spacer
26	93-6850	2	Lever-Brake
27	282-2	2	Yoke
28	283-1	2	Pin-Clevis
29	3272-10	2	Pin-Cotter
30	104-4627	2	Rod-Adjusting
31	3272-6	2	Pin-Cotter
32	3220-2	2	Nut-Jam
33	104-4625-03	1	Brake Pivot Shaft ASM
34	95-8683	2	Bracket-Pivot, Brake
35	3234-11	4	Screw-HHF
36	32128-43	4	Nut-Flange
37	256-156	2	Bushing-Flange



Brake Assembly No. 104-7705

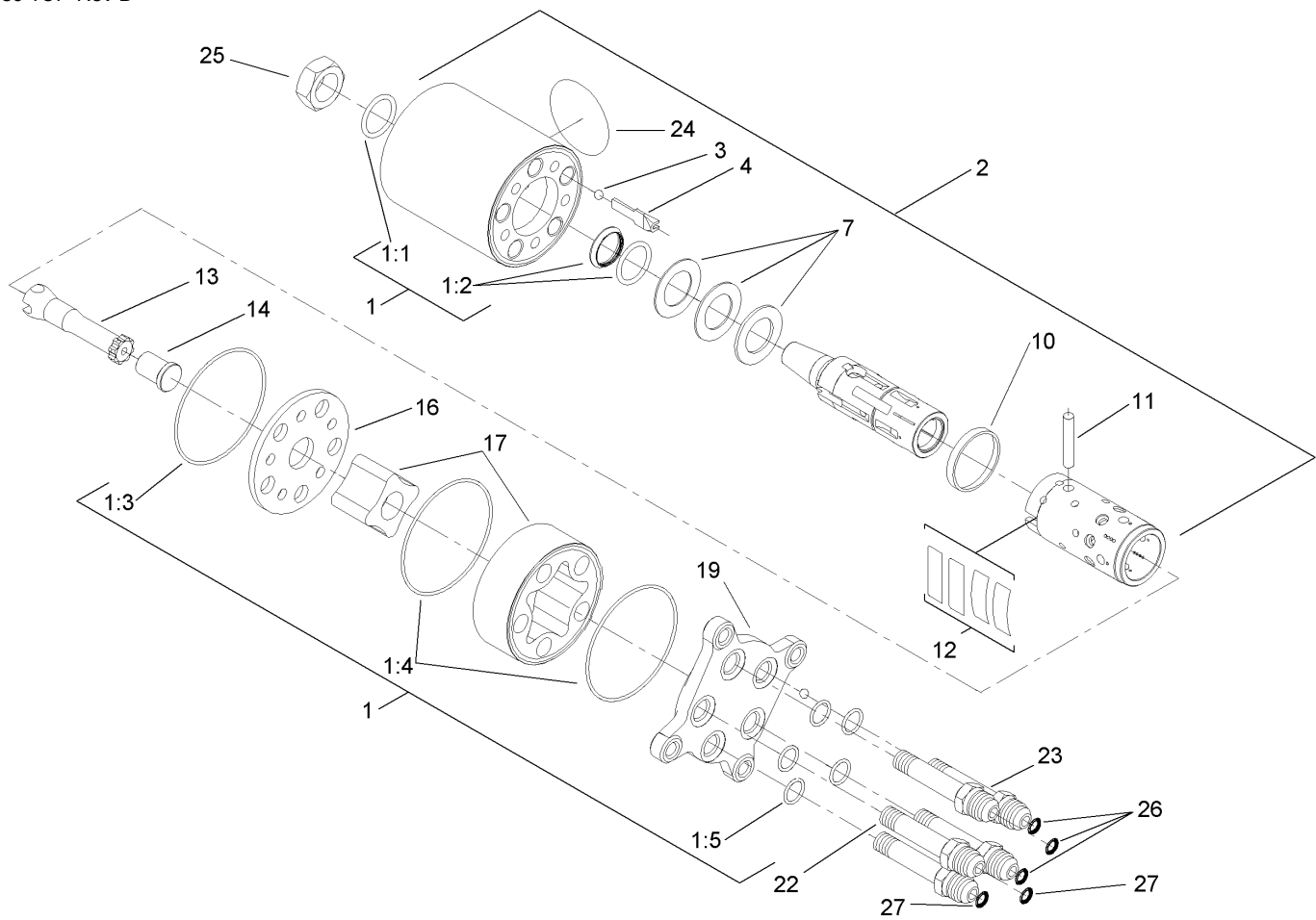
Ref	Part No.	Qty.	Description
1	70-9870	1	Plate-Backing
2	104-7707	1	Shaft-Cam, Brake
3	104-7706	1	E-Ring, Bowed
4	70-9880	2	Spring-Return
5	70-9840	2	Shoe-Brake



Steering Column Assembly

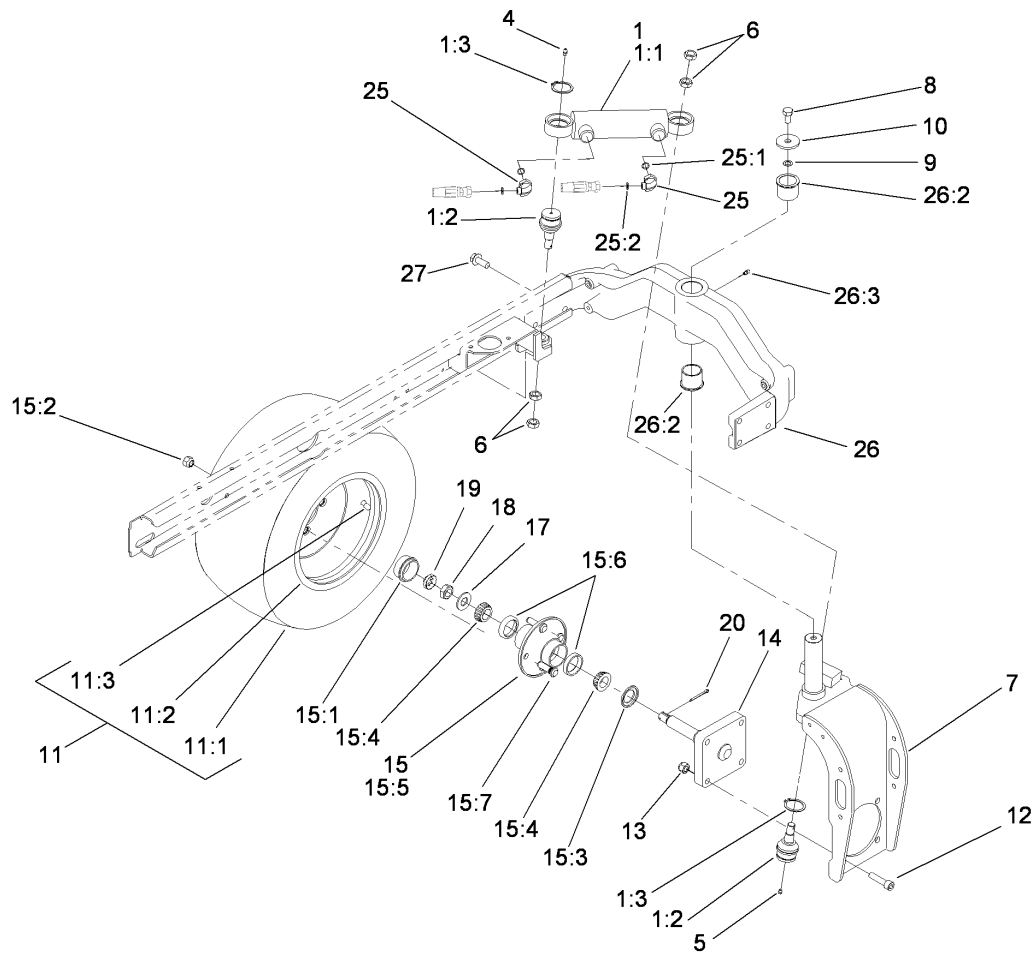
Ref	Part No.	Qty.	Description
1	108-9003-01	1	Arm-Steering
2	32128-43	4	Nut-Flange
3	3234-11	4	Screw-HHF
4	104-5185-01	1	Bracket-Valve, Steering
5	323-5	2	Screw-HH
6	93-5988	2	Hub-Pivot
7	95-8794-01	1	Cover-Valve, Steering
8	32144-10	5	Screw-HWH
9	67-1300	1	Decal
10	233-48	1	Knob
11	95-8798-03	1	Lever-Steering
12	104-5180	1	Valve-Steering
13	80-2880	1	Bracket-Tilt
14	322-5	1	Screw-HH
15	3256-3	1	Washer-Flat
16	32128-44	1	Nut
17	75-0560	1	Wheel-Steering
17:1	32144-21	1	Screw
17:2	68-5140	1	Cap-Wheel, Steering
21	68-5370	1	Decal
22	95-8842	1	Hose ASM
23	95-8843	1	Hose ASM
24	100-4892	1	Hose ASM
25	100-4893	1	Hose ASM

Ref	Part No.	Qty.	Description
26	95-8846	1	Hose ASM
27	99-3502	1	Boss
28	31-0390	1	Disc-Friction
29	82-9010	1	Disc-Friction
30	80-2930	1	Washer-Flat
31	3218-7	1	Nut-Jam
32	33103-012	4	Screw-HHF
36	99-3405-01	1	Shield-Steering
39	32128-21	2	Nut-HF
45	3296-33	1	Nut-Lock, NI
46	3256-27	1	Washer-Flat



Steering Valve Assembly No. 104-5180

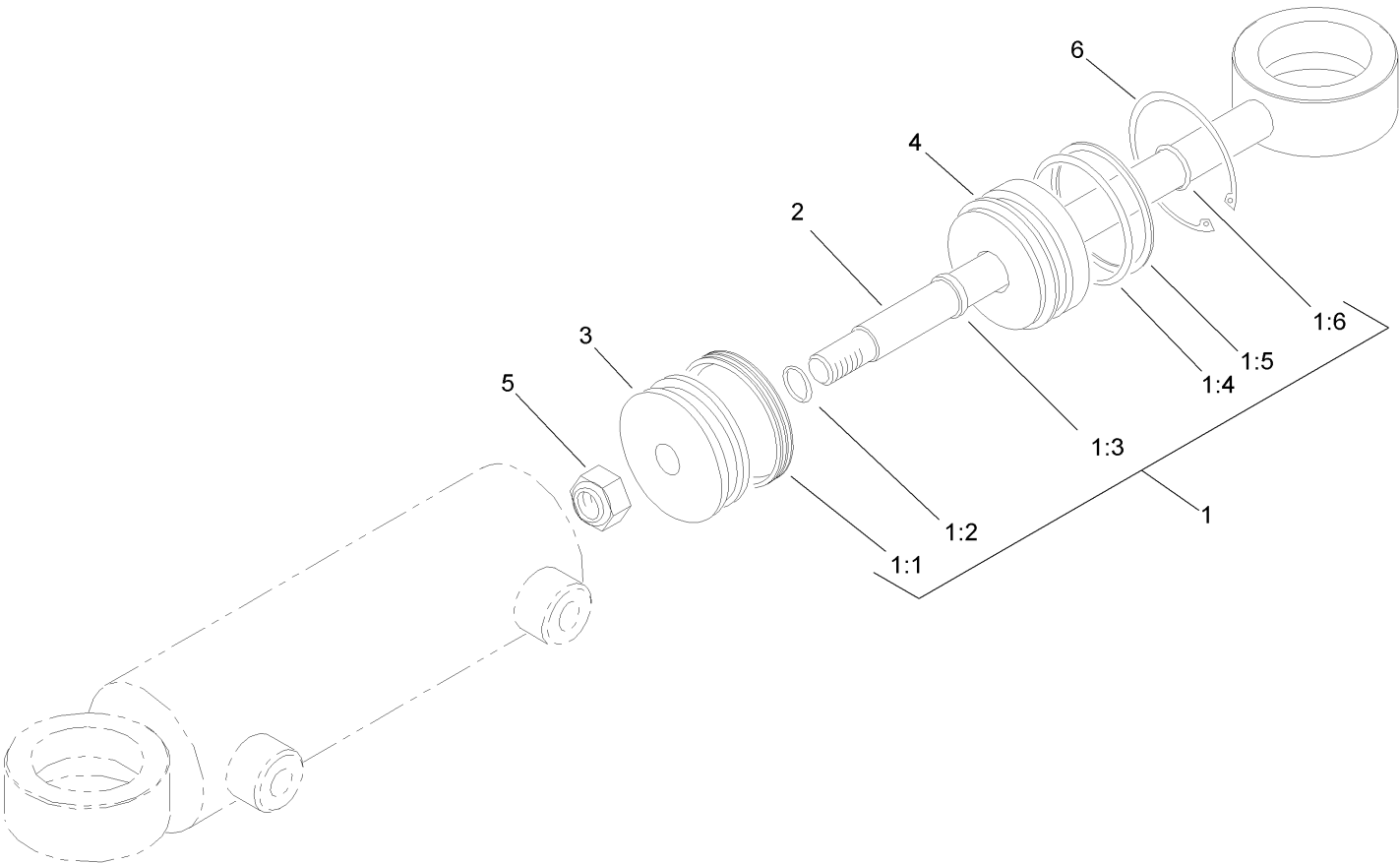
Ref	Part No.	Qty.	Description				
1	106-6716	1	Seal Kit				
1:1		1	Ring-Seal, Dust				
1:2		1	Seal-Shaft				
1:3		1	O-Ring				
1:4		2	O-Ring				
1:5		5	O-Ring				
2		1	Housing				
3		1	Ball				
4		1	Stop-Ball				
7		1	Bearing ASM				
10		1	Ring				
11		1	Pin-Cross				
12		1	Springs				
13		1	Shaft				
14		1	Spacer				
16		1	Plate-Distributor				
17		1	Gearwheel Set				
19		1	Cover-End				
22		1	Screw-Special				
23		4	Screw-Special				
24		1	Plate-Name				
25	3296-33	1	Nut-Lock, NI				
26	237-22	3	O-Ring				
27	237-21	2	O-Ring				



Rear Fork and Tire Assembly

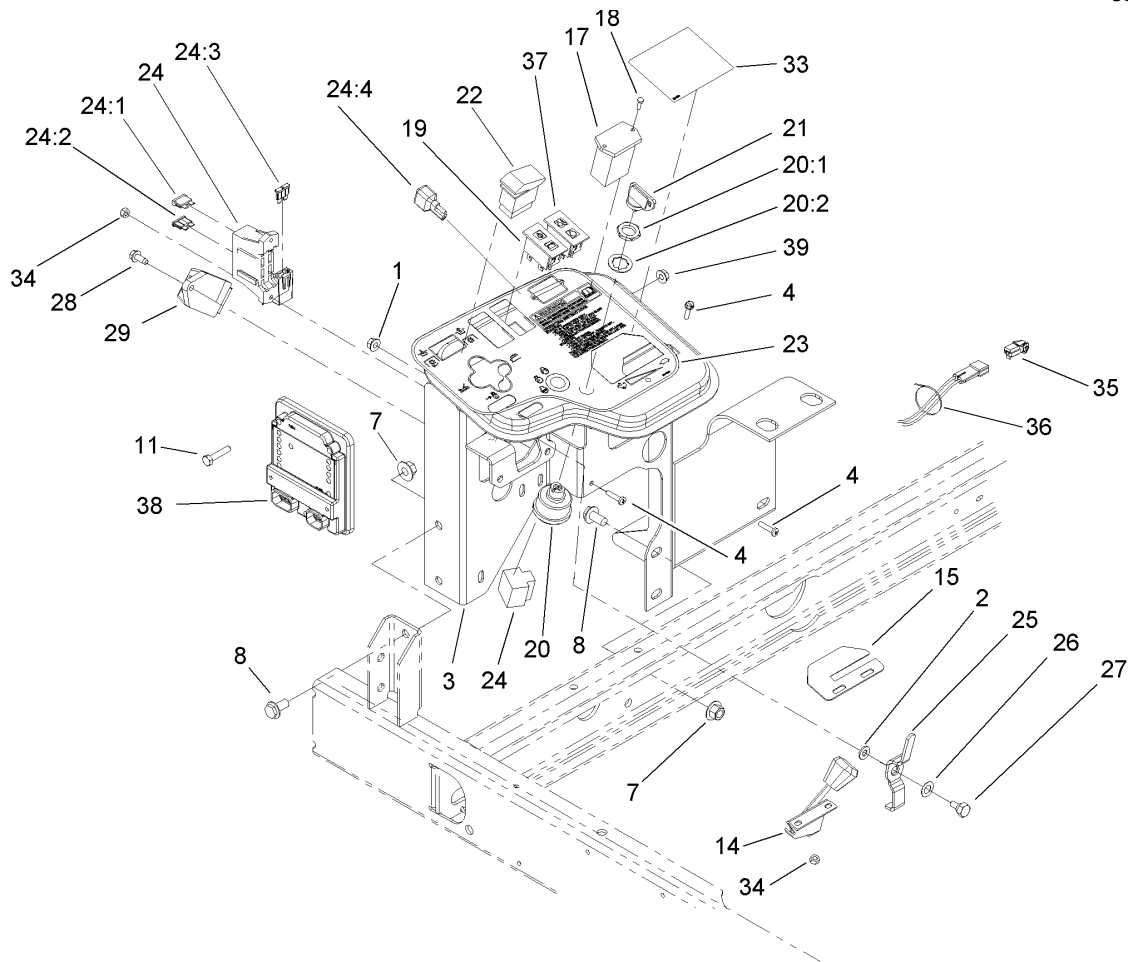
Ref	Part No.	Qty.	Description
② 1		1	Steering Cylinder / Balljoint ASM
1:1	94-8141	1	HYD Cylinder ASM
1:2	106-6774	2	Joint-Ball
1:3	32151-104	2	Ring-Retaining, External
4	302-5	1	Fitting-Grease
5	302-59	1	Plug-Threaded
6	3220-6	4	Nut-Jam
7	95-8905-01	1	Fork-Rear
8	325-3	1	Screw-HH
9	3255-2	1	Washer-Lock / EXT
10	75-7730	1	Washer-Thrust
② 11		1	Tire And Wheel ASM
11:1	95-8656	1	Tire-4-Ply Turf-Trac, (20X10-10)
11:2	95-8657	1	Rim-Wheel
11:3	232-27	1	Stem-Valve
12	3274-5	4	Screw-HSH
13	3296-23	4	Nut-Lock, NI
14	104-3966-03	1	2 Wheel Drive Hub ASM
15	80-6570	1	Hub ASM
15:1	241-119	1	Cap-Dust
15:2	242-50	4	Nut-Lug
15:3	253-129	1	Seal
15:4	254-94	2	Bearing-Cone, Tapered
15:5	80-6580	1	Hub

Ref	Part No.	Qty.	Description
15:6	254-72	2	Bearing-Cup, Tapered
15:7	10-6830	4	Stud-Type, Drive
17	93-0309	1	Washer-Tab
18	3220-7	1	Nut-Jam
19	93-0307	1	Nut-Lock, Retainer
20	3272-13	1	Pin-Cotter
25	340-132	2	Fitting-HYD, 90 DEG
25:1	237-78	1	O-Ring
25:2	237-21	1	O-Ring
26	107-7828	1	Rear Casting ASM
26:2	95-8805	2	Bushing
26:3	302-5	1	Fitting-Grease
27	3234-38	8	Screw-HHF



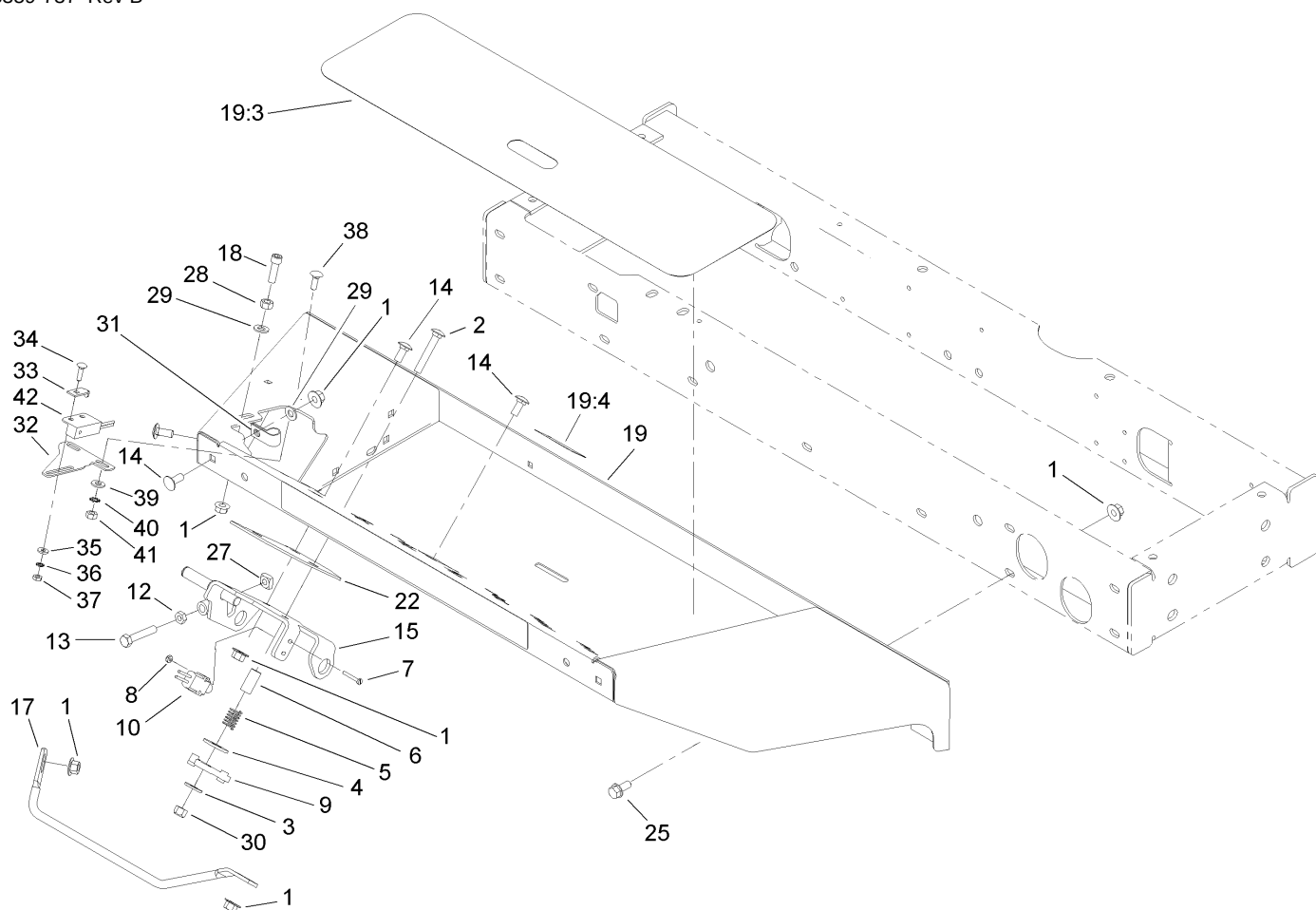
Hydraulic Cylinder Assembly No. 94-8141

Ref	Part No.	Qty.	Description				
1	86-5390	1	Seal Kit				
1:1		1	Uniring				
1:2		1	O-Ring				
1:3		1	Seal-Rod				
1:4		1	O-Ring				
1:5		1	Ring-Backup				
1:6		1	O-Ring				
2		1	Rod				
3		1	Piston				
4		1	Gland				
5		1	Nut-Lock				
6		1	Ring-Retaining				



Control Panel Assembly

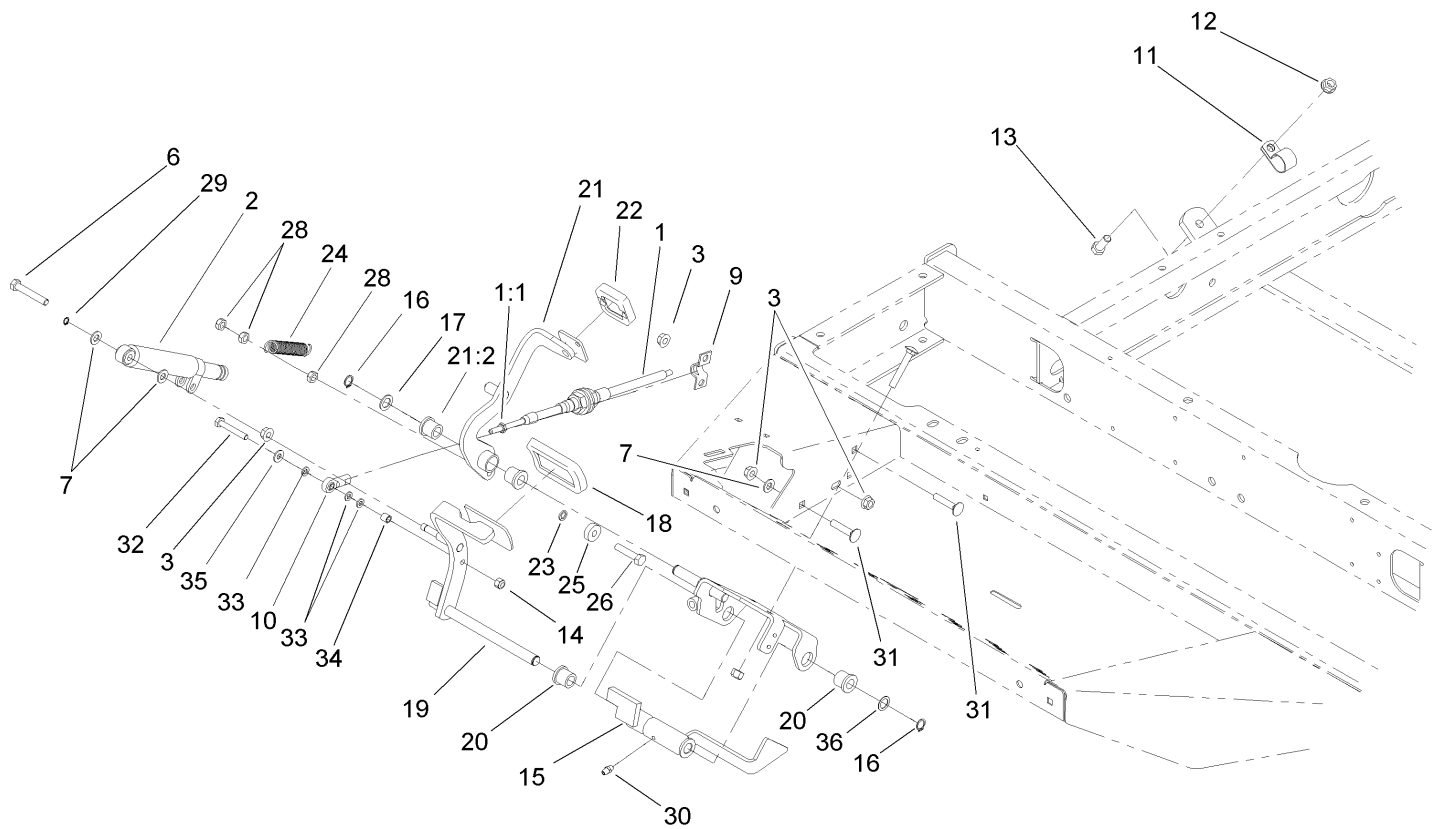
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	32128-32	1	Nut-HHF	26	3290-477	1	Washer-Curved
2	3256-22	1	Washer-Flat	27	63-3410	1	Screw-Shoulder
3	104-5190-03	1	Panel-Control	28	32144-10	1	Screw-HWH
4	3290-134	4	Screw	29	98-7611	1	Controller-Glow
7	32128-43	5	Nut-Flange	33	99-3558	1	Decal-Console, Ce
8	3234-1	5	Screw-HHF	34	3290-148	4	Nut-HF
11	321-8	3	Screw-HH	35	104-4875	1	Harness-Wire, Jumper
14	110-8795	1	Cable-Throttle	36	3290-379	1	Tie-Cable
15	104-0421	1	Plate-Stop, Throttle	37	100-8071	1	Lamp-Warning
17	75-6820	1	Hourmeter	38	106-9277	1	Module-Control, Standard
18	32144-18	2	Screw-HH	39	32128-33	3	Nut-HF
19	100-8070	1	Lamp-Warning				
20	104-2541	1	Switch ASM				
20:1	218-461	1	Nut-HH				
20:2	3254-5	1	Washer-Tooth				
21	63-8360	2	Key-Ignition				
22	95-8999	1	Switch				
23	108-9006	1	Decal-Console				
24	112-9911	1	Harness-Wire				
24:1	218-578	2	Fuse-10 Amp				
24:2	109355	1	Fuse-15 Amp				
24:3	94-6710	1	Fuse-Blade, 2 Amp				
24:4	100-4918	1	Diode				
25	99-3401-03	1	Lever-Valve, Lock				



Front Platform Assembly

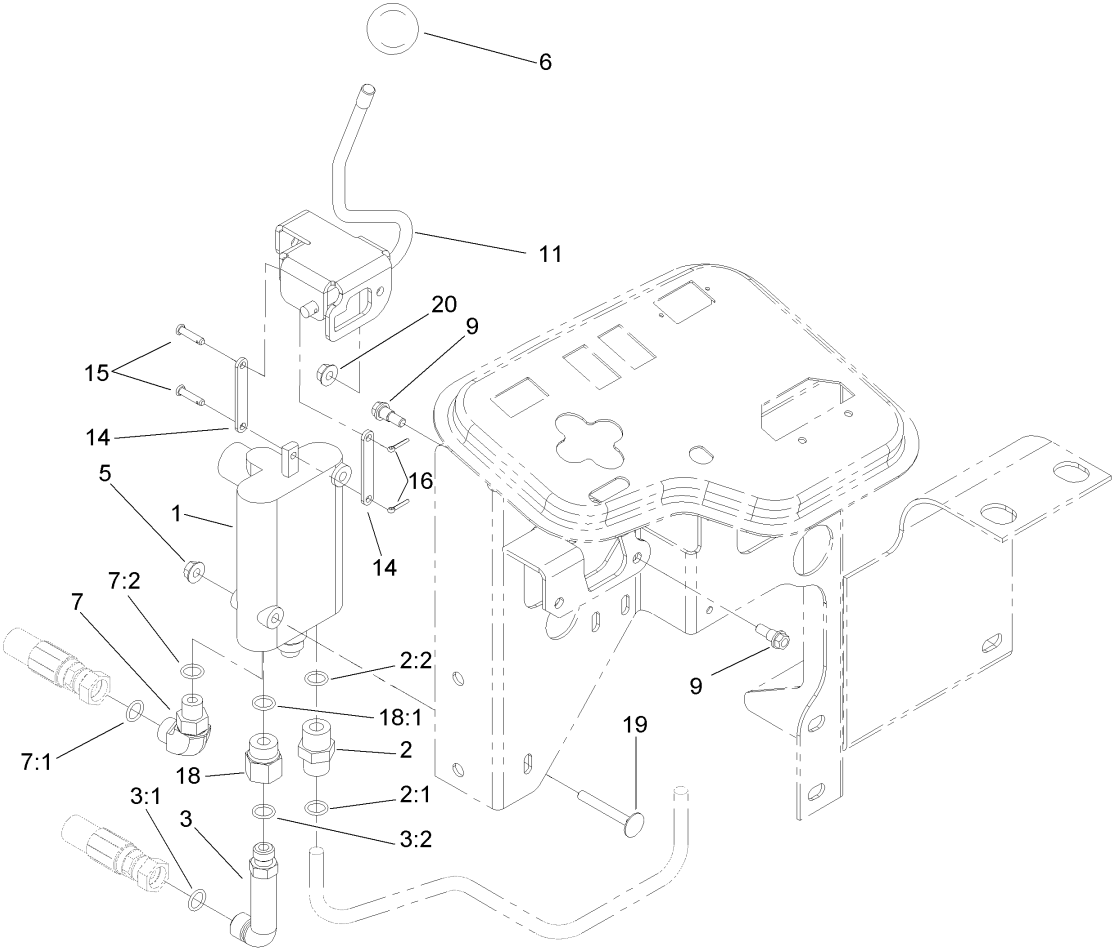
Ref	Part No.	Qty.	Description
1	32128-20	18	Nut-HF
2	3230-6	1	Screw-CARR
3	3256-3	1	Washer-Flat
4	3256-40	1	Washer-Flat
5	65-9940	1	Spring
6	95-8866	1	Tube-Arm, Rocker
7	32105-9	2	Screw
8	3296-9	2	Nut-Lock
9	99-3593	1	Arm-Rocker
10	95-8900	1	Switch
12	3218-2	1	Nut-Jam
13	322-41	1	Screw-HH
14	3230-23	7	Screw-CARR
15	95-8869-03	1	Bracket-Pedal, Traction
17	95-8893	1	Bar-Deflector
18	3274-22	1	Screw-HSH
19	106-4154	1	Floorplate ASM
19:3	99-3478	1	Tread-Foot
19:4	99-3444	1	Decal-Mow / Transport
22	106-2661-01	1	Plate-Support
25	3234-5	10	Screw-HHF
27	99-3565	1	Nut-Square
28	3217-6	1	Nut-Hex
29	3256-23	2	Washer-Flat

Ref	Part No.	Qty.	Description
30	3296-29	1	Nut-Lock, NI
31	2412-103	1	Clamp
32	100-4871	1	Bracket-Switch, Neutral
33	100-4872	1	Plate-Switch, Neutral
34	3229-20	1	Screw-CARR
35	3256-14	1	Washer-Flat
36	3255-17	1	Washer-Lock, EXT
37	3296-2	1	Nut-Lock
38	3229-1	2	Screw-CARR
39	3256-22	2	Washer-Flat
40	3255-7	2	Washer-Lock/EXT
41	3217-5	2	Nut-Hex
42	100-1270	1	Switch-Proximity



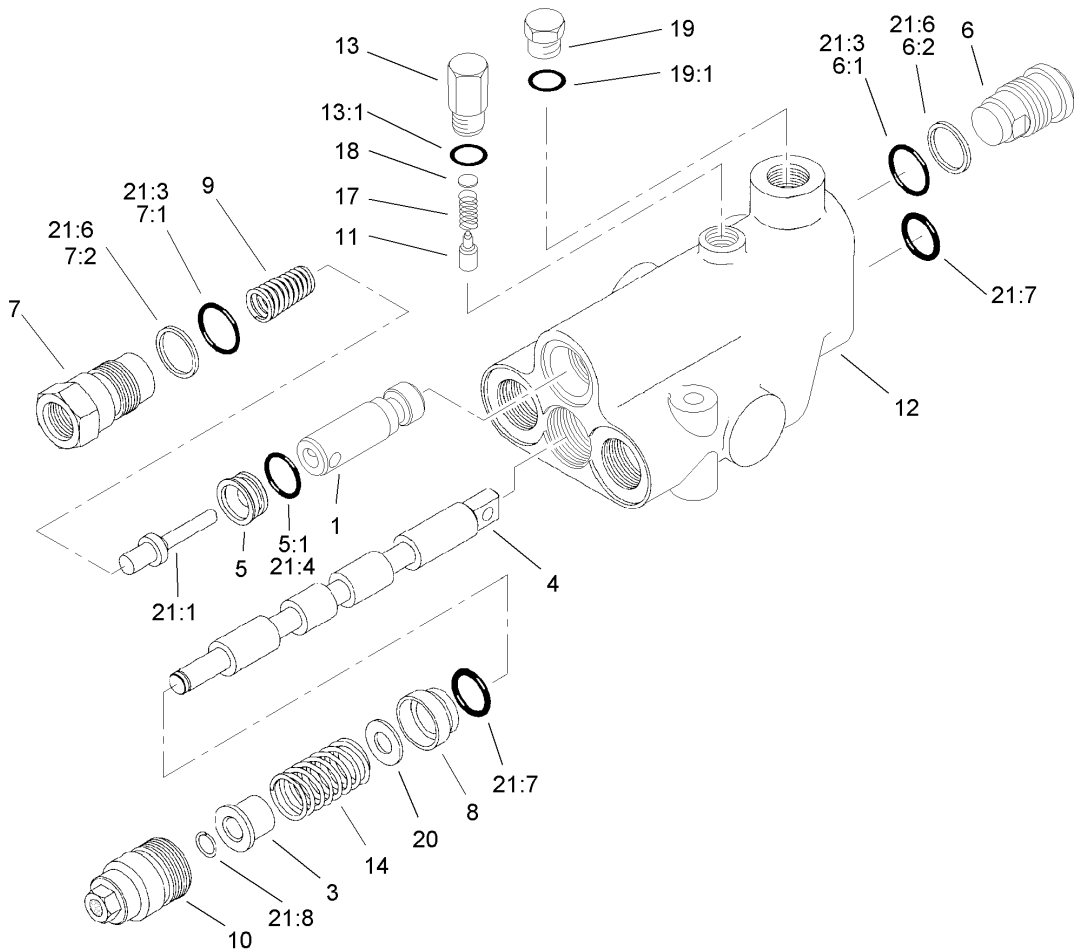
Traction Pedal Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	100-4815	1	Cable-Control, Traction	26	322-7	1	Screw-HH
1:1	3220-1	2	Nut-Jam	28	3296-47	3	Nut-Lock, NI
2	76-8870	1	Lever Damper ASM	29	32151-3	1	Ring-Grip
3	32128-20	5	Nut-HF	30	302-5	1	Fitting-Grease
6	322-10	1	Screw-HH	31	3230-27	1	Screw-CARR
7	3256-23	3	Washer-Flat	32	321-10	1	Screw-HH
9	93-2092	1	Clamp-Cable	33	33093-00	3	Washer-Flat
10	2411-41	1	Rod End-Ball Joint	34	99-3545	1	Spacer
11	2412-41	1	Clamp	35	3256-22	1	Washer-Flat
12	3290-357	1	Nut-HHF, Whiz	36	73-0040	4	Washer-Thrust
13	323-6	1	Screw-HH				
14	3296-42	1	Nut-Lock, NI				
15	95-8861	1	Slide				
16	32151-84	2	Ring-Shaft, EXT				
17	41-8440	1	Washer				
18	74-9100	1	Pad-Pedal, Forward				
19	104-4852-03	1	Traction Pedal ASM				
20	256-243	2	Bearing-Flange				
21	99-3379	1	Pedal-Reverse				
21:2	256-243	2	Bearing-Flange				
22	74-9110	1	Pad-Pedal, Reverse				
23	75-5470	1	Spacer-Bearing				
24	99-3476	1	Spring-Extension				
25	251-259	1	Bearing-Ball				



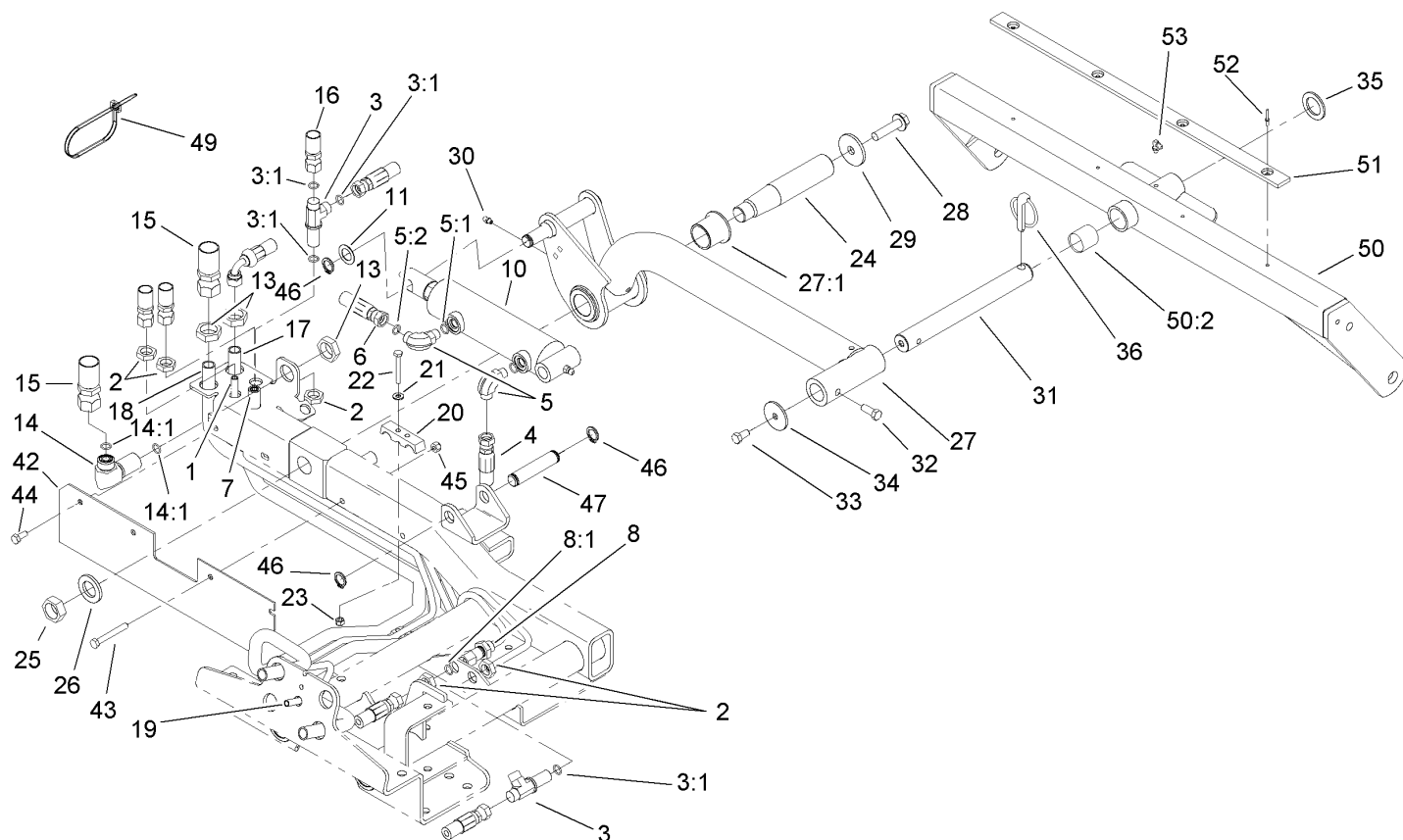
Control Valve Assembly

Ref	Part No.	Qty.	Description				
1	95-8689	1	Valve ASM				
2	340-3	1	Adapter				
2:1	237-22	1	O-Ring				
2:2	237-79	1	O-Ring				
3	69-4320	1	Fitting-HYD, 90 DEG				
3:1	237-22	1	O-Ring				
3:2	237-42	1	O-Ring				
5	32128-33	2	Nut-HF				
6	233-42	1	Knob				
7	340-77	1	Fitting-HYD, 90 DEG				
7:1	237-22	1	O-Ring				
7:2	237-42	1	O-Ring				
9	42-3560	2	Bolt-Shoulder				
11	95-8692	1	Lever ASM				
14	95-8634	2	Link				
15	58-3830	2	Pin-Clevis				
16	3272-5	2	Pin-Cotter				
18	353-397	1	Reducer-Adapter				
18:1	237-79	1	O-Ring				
19	3230-33	2	Screw-CARR				
20	32128-32	2	Nut-HHF				



Control Valve Assembly No. 95-8689

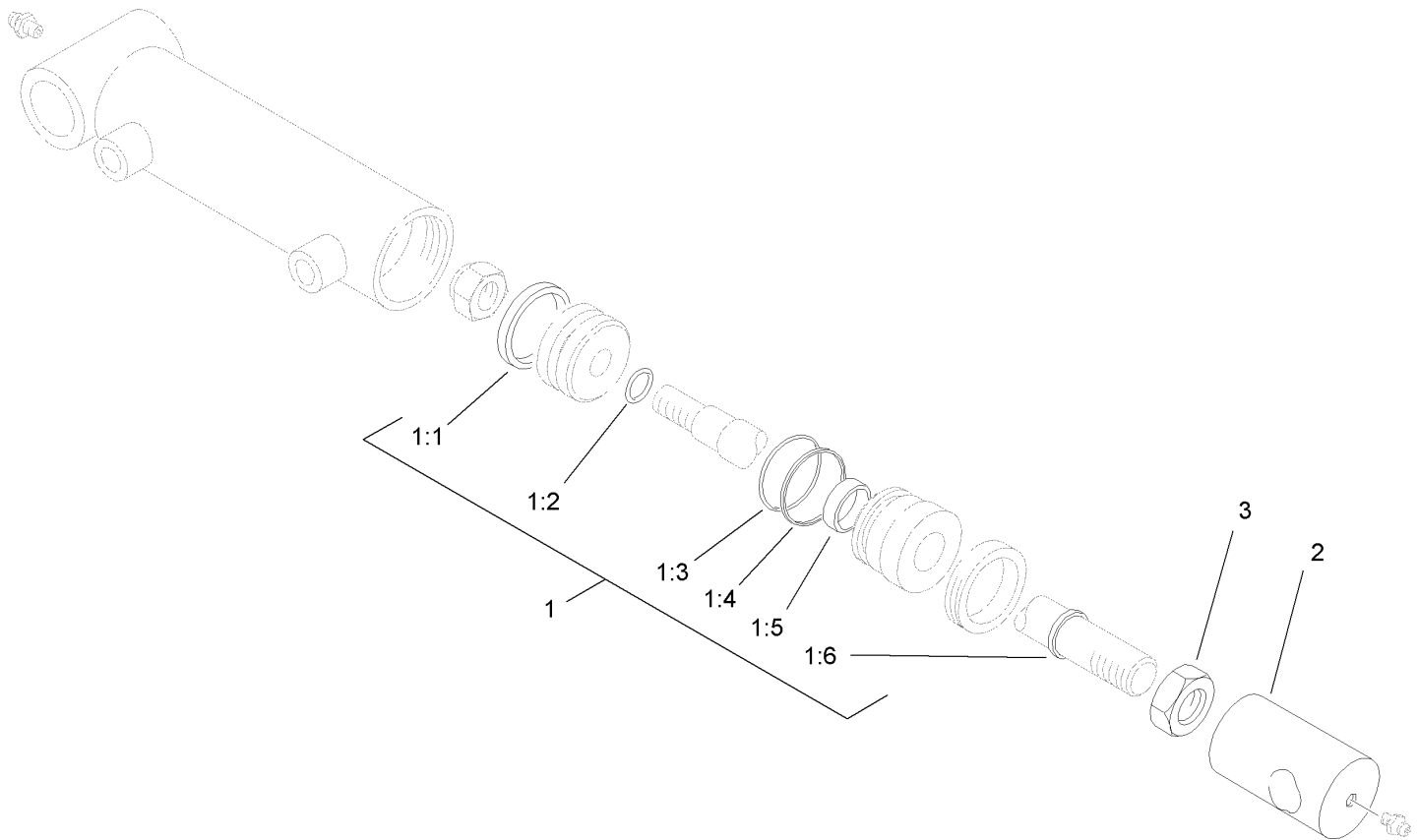
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	99-3586	1	Plunger	21	99-3589	1	Seal Kit
3	58-6310	1	Spacer	21:1	58-6290	2	Poppet
24		1	Spool	21:2	58-6320	1	Wiper
5	58-6330	1	Seat	21:3	60-5720	2	O-Ring
5:1	58-6340	1	O-Ring	21:4	58-6340	2	O-Ring
6	58-6350	1	Plug	21:5	93-6314	1	O-Ring
6:1	60-5720	1	O-Ring	21:6	58-6370	2	Washer
6:2	58-6370	1	Washer	21:7	58-6450	2	O-Ring
7	69-1800	1	Plug ASM	21:8	58-6460	1	Ring-Retaining
7:1	60-5720	1	O-Ring	21:9		1	Seal-Dust
7:2	58-6370	1	Washer				
8	58-6400	1	Bushing				
9	69-1810	1	Spring				
10	58-6420	1	Cap				
11	99-3585	1	Detent-Plunger				
12		1	Body				
13	99-3588	1	Plug ASM				
13:1	60-6410	1	O-Ring				
14	99-3531	1	Spring				
17	99-3587	1	Spring				
18	60-6450	1	Disc				
19	353-989	1	Plug-Hex, Hollow				
19:1	237-42	1	O-Ring				
20	65-2770	1	Washer				



Rear Lift Arm Assembly

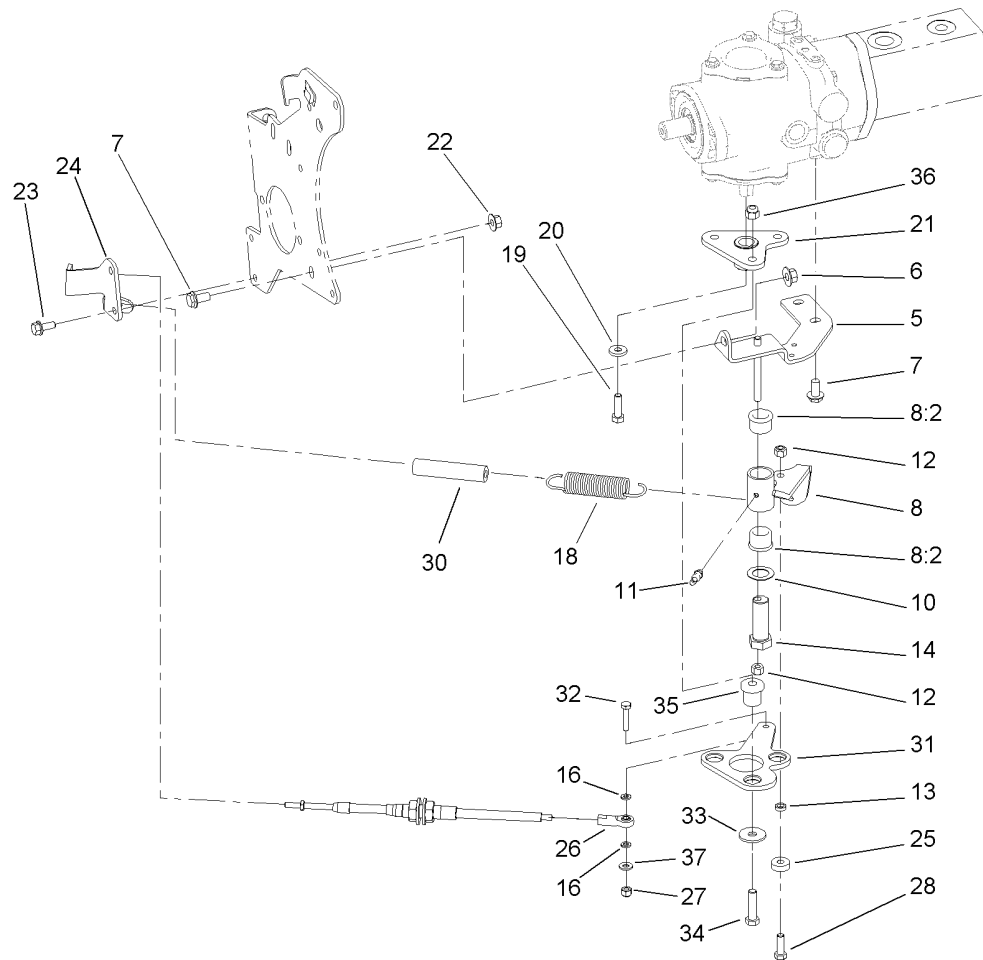
Ref	Part No.	Qty.	Description
1	104-0402	1	Tube ASM
2	340-70	5	Nut-Lock
3	340-68	2	Fitting-Tee, Bulkhead
3:1	237-22	3	O-Ring
4	104-0407	1	Hose ASM
5	340-77	2	Fitting-HYD, 90 DEG
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	99-3579	1	Hose ASM
7	104-0403	1	Tube ASM
8	340-71	1	Fitting-Straight, Bulkhead
8:1	237-22	2	O-Ring
10	112-9916	1	Cylinder-HYD
11	3-6498	1	Washer-Thrust
13	340-74	3	Locknut-Bulkhead
14	340-72	1	Fitting-Bulkhead, 90 DEG
14:1	237-65	2	O-Ring
15	108-9004	2	Hose ASM
16	115-3412	1	Hose ASM
17	104-0401	1	Tube ASM
18	104-0400	1	Tube ASM
19	104-0404	1	Tube ASM
20	99-3641	2	Clamp-Tube
21	3256-22	4	Washer-Flat

Ref	Part No.	Qty.	Description
22	321-11	2	Screw-HH
23	3296-42	2	Nut-Lock, NI
24	95-8990	1	Shaft-Pivot, Rear
25	3220-9	1	Nut-Jam
26	86-1480	1	Washer
27	100-4938	1	Rear Lift Arm ASM
27:1	69-6470	2	Bushing-Caster
28	3234-27	1	Screw-Flange
29	75-7730	1	Washer-Thrust
30	302-5	1	Fitting-Grease
31	100-4944	1	Shaft-Pivot, Cutting Unit
32	323-6	1	Screw-HH
33	323-4	1	Screw-HH
34	63-7400	1	Washer-Rebound
35	3-6781	1	Washer-Thrust
36	283-71	1	Pin-Lynch
42	104-0453-03	1	Guard
43	322-12	2	Screw-HH
44	322-3	2	Screw-HH
45	32128-20	4	Nut-HF
46	32120-93	3	Ring-Retaining
47	95-8575	1	Pin
49	3334-945	2	Tie-Cable
50	104-4229	1	Rear Carrier Frame ASM



Hydraulic Cylinder Assembly No. 112-9916

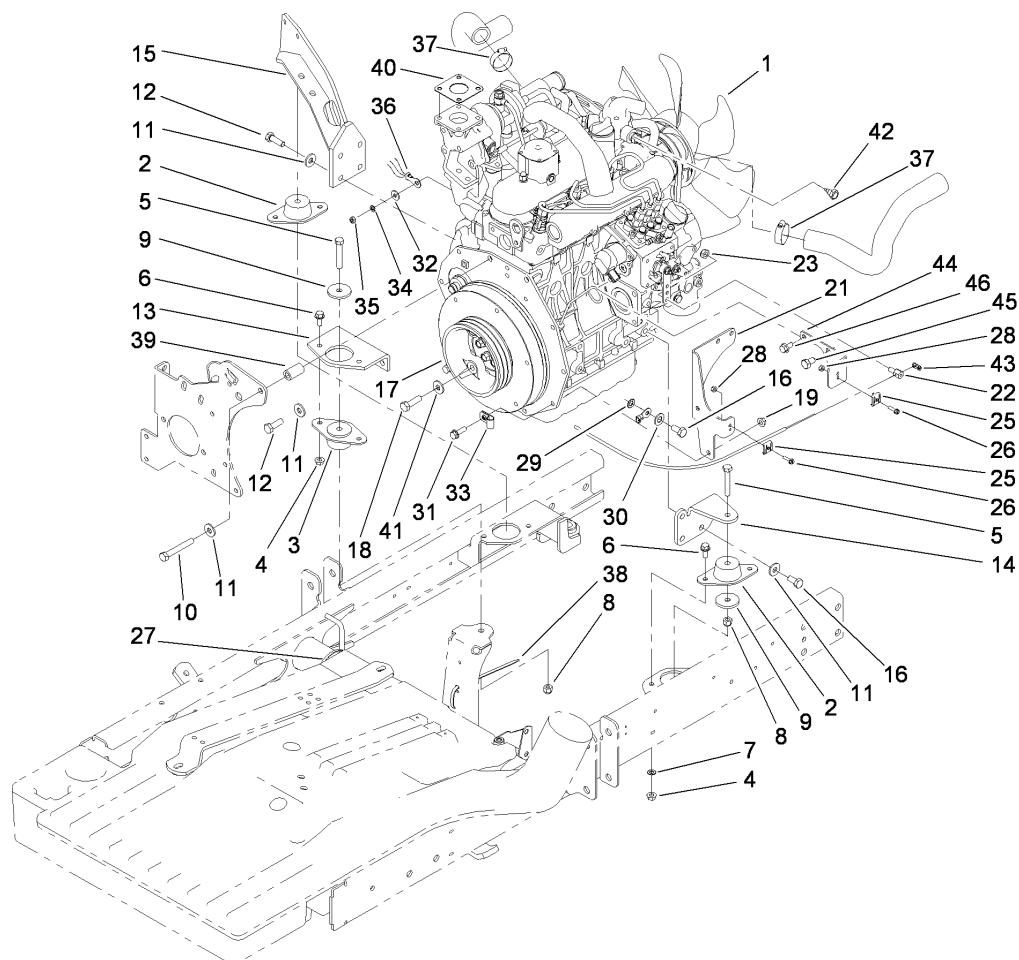
Ref	Part No.	Qty.	Description				
1	115-3410	1	Seal Kit				
21:1		1	O-Ring				
21:2		1	Backup				
21:3		1	Seal-Bp				
21:4		1	Bs Seal				
21:5		1	Dust Seal				
21:6		1	O-Ring				
2	108-9035	1	Clevis				
3	3220-7	1	Nut-Jam				



Neutral Arm Assembly

Ref	Part No.	Qty.	Description
5	95-8960-03	1	Bracket-Neutral
6	32128-43	1	Nut-Flange
7	3234-1	3	Screw-HHF
8	104-0422	1	Neutral Arm ASM
8:2	256-113	2	Bushing-Flange
10	3-6498	1	Washer-Thrust
11	302-60	1	Fitting-Grease, 90 DEG
12	3296-29	2	Nut-Lock, NI
13	100-4817	1	Spacer-Bearing
14	76-8640	1	Stud-Traction
16	33093-00	2	Washer-Flat
18	94-1369	1	Spring-Extension
19	3210-6	1	Screw-HH
20	88-7200	1	Washer-Flat
21	99-3598-03	1	Hub ASM
22	32128-44	2	Nut
23	3234-5	2	Screw-HHF
24	104-0464-03	1	Bracket-Support, Cable
25	251-259	1	Bearing-Ball
26	2411-41	1	Rod End-Ball Joint
27	3296-42	1	Nut-Lock, NI
28	3274-104	1	Screw-HSBH
30	99-3556	1	Hose
31	99-3594-03	1	Lever-Pump

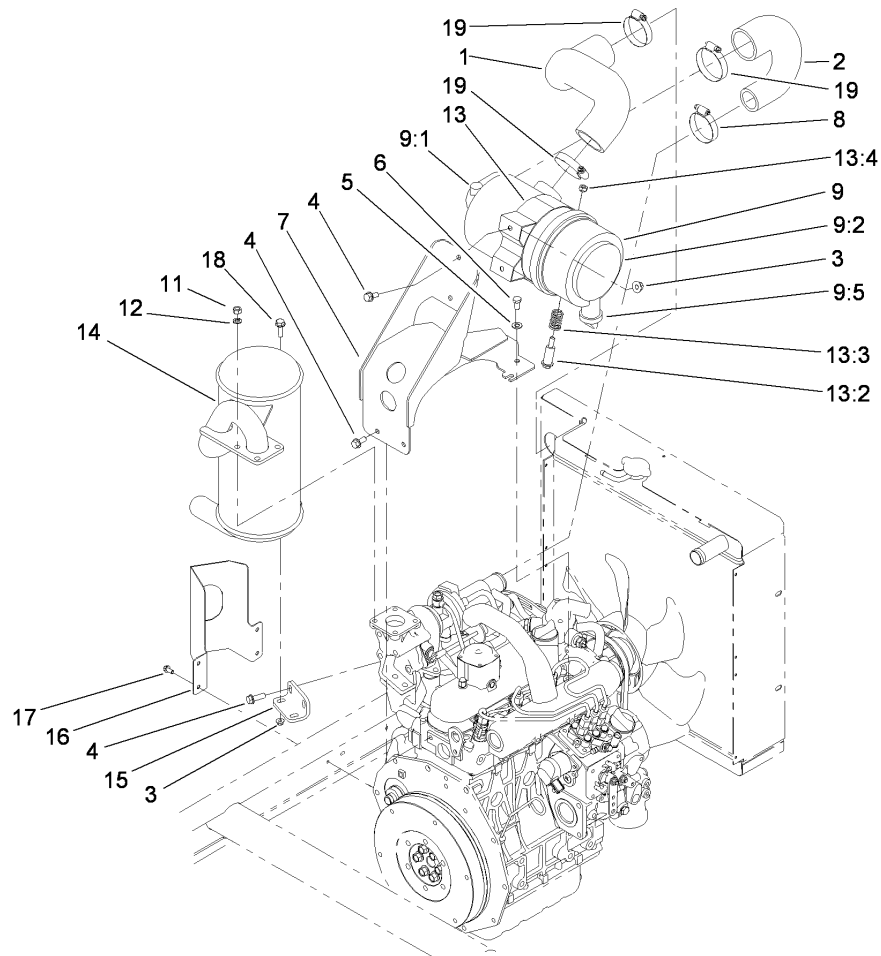
Ref	Part No.	Qty.	Description
32	321-8	1	Screw-HH
33	2844	3	Washer
34	95-3857	3	Screw-HSBH
35	63-9750	3	Mount
36	3296-39	3	Nut-Lock, NI
37	3256-22	1	Washer-Flat



Engine Assembly

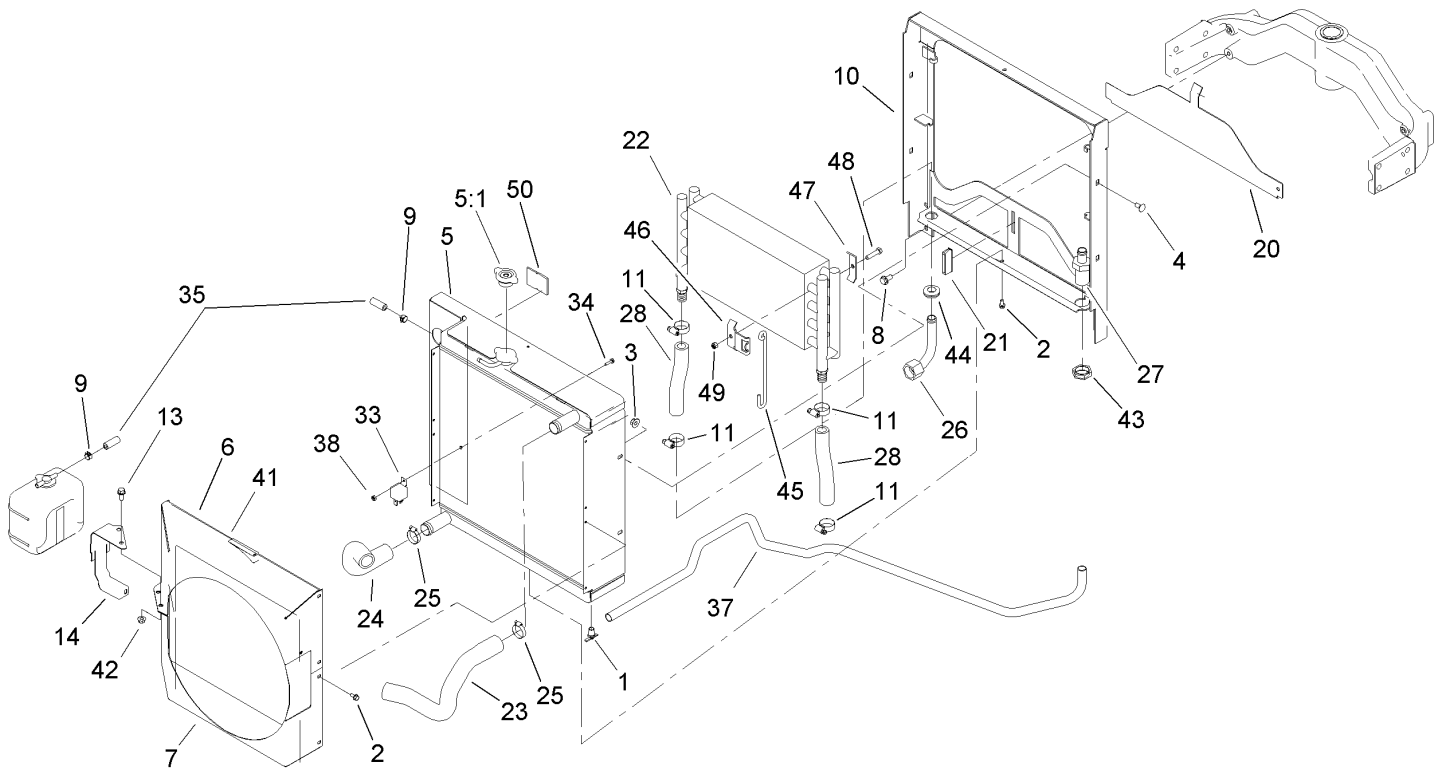
Ref	Part No.	Qty.	Description
1	112-9908	1	Engine ASM
2	83-1030	2	Mount-Engine
3	93-5265	1	Mount-Engine
4	32128-20	6	Nut-HF
5	323-11	3	Screw-HH
6	3234-5	6	Screw-HHF
7	3255-8	1	Washer-Lock
8	3296-39	3	Nut-Lock, NI
9	80-8560	3	Washer-Hardened
10	42-9370	1	Screw-HH
11	80-6990	9	Washer-Hardened
12	95-8812	5	Screw-HH
13	99-3618-03	1	Mount-Engine, Front
14	95-8937-03	1	Mount-Engine, LH
15	100-4838-03	1	Mount-Engine
16	63-7790	4	Screw-Cap
17	99-3626-03	1	Pulley
18	56-2140	3	Bolt
19	32128-44	2	Nut
21	100-4867-03	1	Support-Throttle, Filter
22	98-9311	1	Swivel-Throttle
23	3296-20	1	Nut-Lock, NI
25	81-1690	2	Clamp-Cable
26	32105-13	2	Screw-HWH

Ref	Part No.	Qty.	Description
27	3290-379	2	Tie-Cable
28	3296-2	2	Nut-Lock
29	3255-9	1	Washer-Lock
30	3256-25	1	Washer-Flat
31	3234-17	2	Screw-HHF
32	3256-78	1	Washer-Flat
33	2412-10	1	R-Clamp
34	43-5930	1	Washer-Spring
35	48-7890	1	Nut
36	99-3441	1	Harness-Wire, Fusible Link
37	2412-34	2	Clamp-Hose
38	3290-378	14	Tie-Cable
39	95-8736	1	Spacer
40	98-9611	1	Gasket
41	3256-24	3	Washer-Flat
42	106-7772	1	Thermoswitch
43	112-9919	1	Stop-Cable, Throttle
44	110-9009-03	1	Bracket-Cable, Throttle
45	70-8470	1	Screw-HH
46	33104-016	1	Screw-HHF



Air Cleaner and Muffler Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	104-0420	1	Hose-Air Intake, Upper	18	3234-17	3	Screw-HHF
2	112-9910	1	Hose-Air Intake, Lower	19	2412-130	3	Clamp-Hose
3	32128-44	6	Nut				
4	3234-5	3	Screw-HHF				
5	3256-23	4	Washer-Flat				
6	33114-016	4	Screw-HH				
7	112-9926-03	1	Mount-Air Cleaner				
8	2412-92	1	Clamp-Hose				
9	100-4824	1	Air Cleaner ASM				
9:1	285-17	1	Plug-Pipe				
9:2	104-0497	1	Cover ASM				
9:5	104-0498	1	Valve-Vacuator				
9:6	108-3810	1	Filter-Air				
9:7	104-4897	1	Gasket				
11	33014-00	4	Nut-Hex				
12	3253-4	4	Washer-Lock				
13	100-4825	1	Band-Mounting, Air Cleaner				
13:2	94-3653	1	Bolt				
13:3	94-3654	1	Spring				
13:4	48-9510	1	Nut				
14	100-4810	1	Muffler				
15	95-8943-03	1	Bracket-Muffler				
16	99-3425-03	1	Guard-Exhaust				
17	32144-4	4	Screw-HWH				

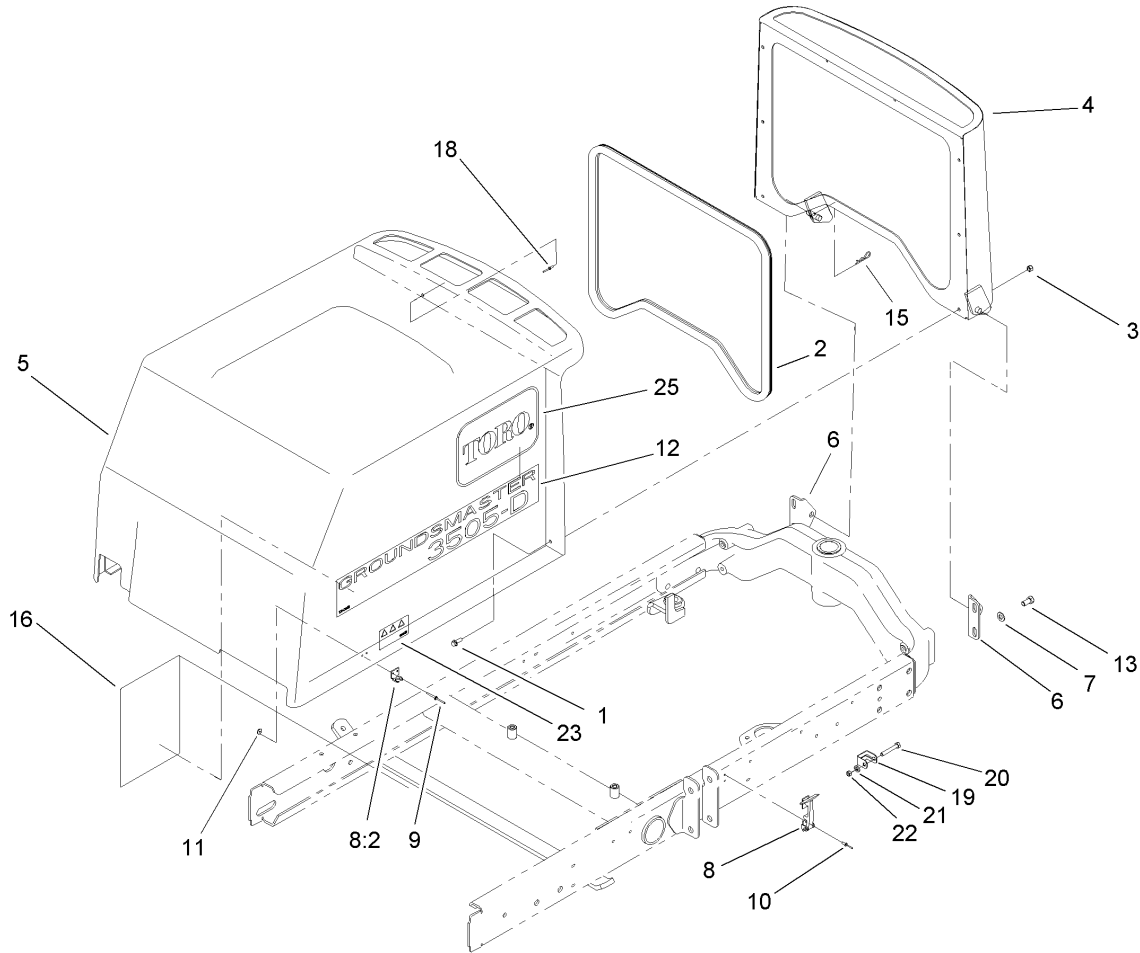


Water overflow bottle
is furnished with engine

Radiator Assembly

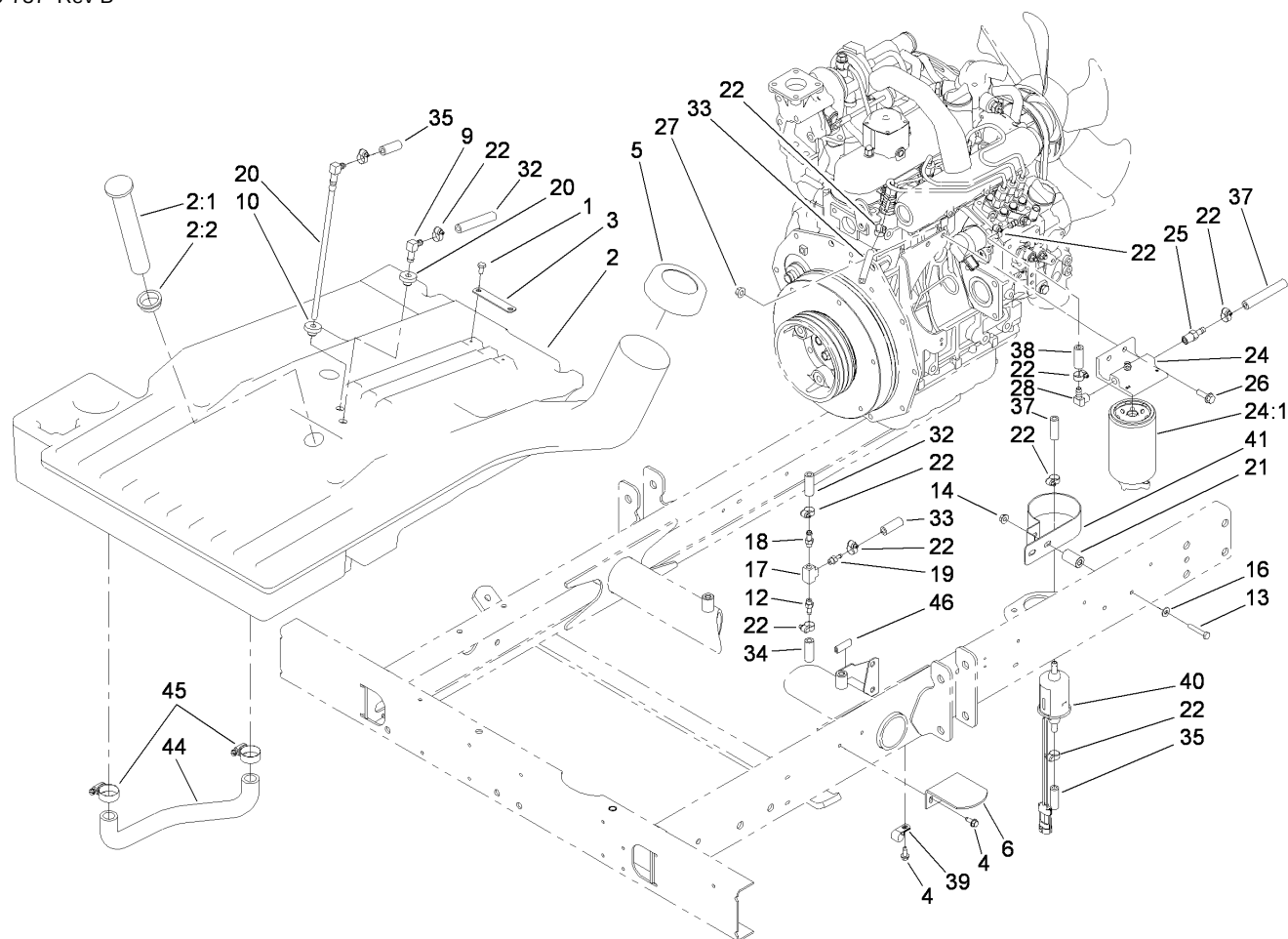
Ref	Part No.	Qty.	Description
1	304-46	1	Draincock
2	32104-116	11	Screw
3	32128-44	4	Nut
4	3230-1	4	Bolt-CARR
5	99-3637	1	Radiator
5:1	93-5957	1	Cap-Radiator
6	100-4885-03	1	Shroud-Fan, Top
7	110-8798-03	1	Lower Fan Shroud ASM
8	3234-1	4	Screw-HHF
9	92-2379	2	Clamp-Hose
10	104-4855-03	1	Radiator Frame ASM
11	2412-129	4	Clamp-Hose
13	3234-5	2	Screw-HHF
14	100-4899-03	1	Bracket-Reservoir
20	95-8702-03	1	Shield-Radiator, Lower
21	99-3497	1	Magnet
22	100-4869	1	Cooler-Oil
23	104-0454	1	Hose-Radiator, Upper
24	100-4809	1	Hose-Radiator, Lower
25	2412-34	2	Clamp-Hose
26	99-3644	1	Filter Head Tube ASM
27	100-4925	1	Fitting-Bulkhead
28	99-3646	2	Hose-Cooler, Oil
33	99-7435	1	Relay-Power

Ref	Part No.	Qty.	Description
34	32105-13	1	Screw-HWH
35	109-0274	1	Hose-Fuel
37	100-4924	1	Tube ASM
38	32128-17	1	Nut-Lock, Flange
41	93-6681	1	Decal-Warning, Fan
42	32128-20	2	Nut-HF
43	340-126	1	Nut-Bulkhead
44	100-4866	1	Grommet
45	100-4858	2	Form-Wire
46	100-4859	2	Bracket-Cooler, Keeper
47	100-4860	2	Bracket-Clamp
48	322-17	2	Screw-HH
49	3296-47	2	Nut-Lock, NI
50	104-9459	2	Seal-Foam



Hood Assembly

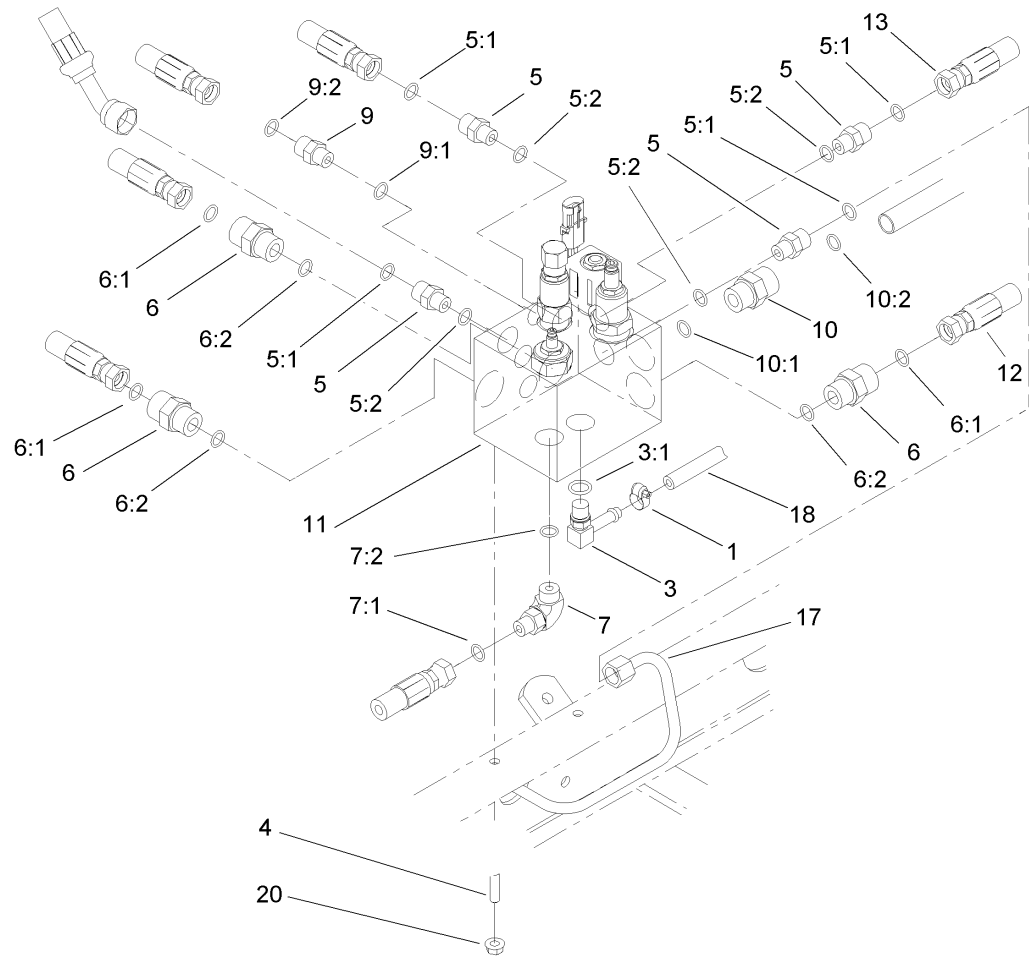
Ref	Part No.	Qty.	Description				
1	3234-4	6	Screw-HHF				
2	100-4932	1	Trim-Seal				
3	3296-42	6	Nut-Lock, NI				
4	104-4853-03	1	Hood Screen ASM				
5	100-4855	1	Hood				
①5:5	106-8115	1	Heat Tape Repair Kit				
6	95-8728	2	Bracket-Pivot, Hood				
7	3256-24	8	Washer-Flat				
8	59-9740	2	Flex Draw Latch ASM				
8:2	249-40	1	Keeper				
9	98-7310	4	Rivet				
10	3290-55	4	Rivet-Pop				
11	3269-10	4	Washer-Back				
12	108-9007	2	Decal-Hood				
13	323-6	4	Screw-HH				
15	3290-467	1	Pin-Hair				
16	107-7800	1	Decal-Service				
18	3269-21	2	Rivet-Pop				
19	99-3568	1	Bracket-Lock, Ce				
20	321-9	1	Screw-HH				
21	3256-22	1	Washer-Flat				
22	3296-42	1	Nut-Lock, NI				
23	106-6754	1	Decal-Danger				
25	66-6140	2	Decal				



Fuel System Assembly

Ref	Part No.	Qty.	Description
1	321-2	2	Screw-HH
2	105-7865	1	Tank-Fuel
2:1	95-8971	1	Guage-Fuel
2:2	95-8972	1	Grommet
3	95-8881	1	Strap-Line, Fuel
4	32144-10	3	Screw-HWH
5	95-4193	1	Diesel Fuel Cap ASM
6	95-8968-03	1	Support-Tank, Fuel
9	46-6550	1	Fitting-Elbow, 90 DEG
10	110-9689	1	Pipe-Stand
12	304-73	1	Connector-Hose
13	321-11	1	Screw-HH
14	32128-33	1	Nut-HF
16	3256-22	1	Washer-Flat
17	354-20	1	Fitting-Tee
18	354-21	1	Fitting-Barb
19	354-22	1	Fitting-Barb
20	46-6560	2	Bushing
21	77-3180	1	Spacer
22	2412-108	11	Clamp-Worm
24	110-9044	1	Filter-Seperator
24:1	110-9044	1	Filter-Seperator
25	353-783	1	Fitting-Straight
26	3234-17	2	Screw-HHF

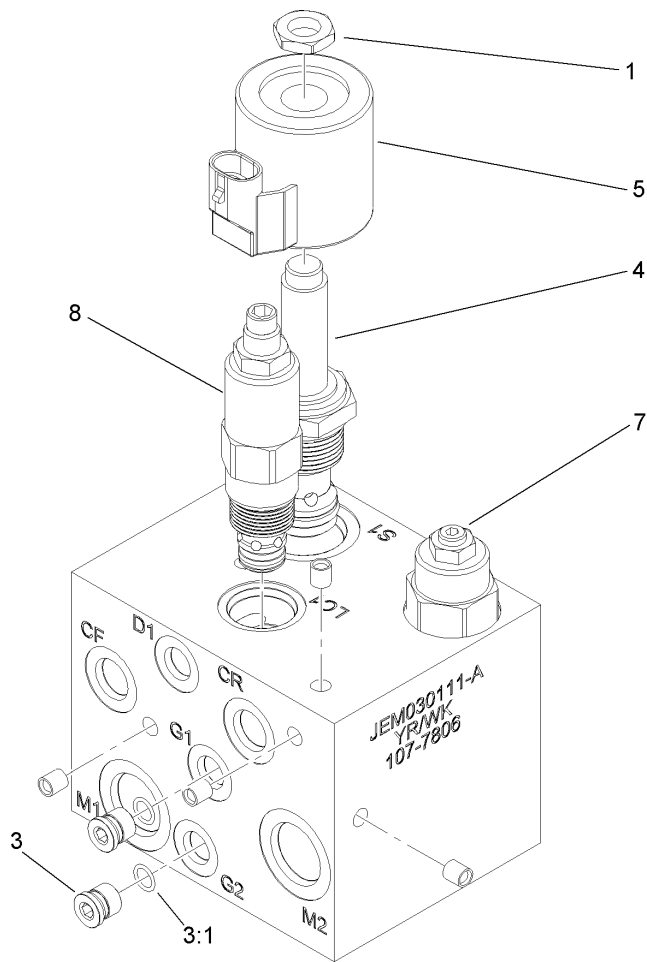
Ref	Part No.	Qty.	Description
27	32128-44	2	Nut
28	353-781	1	Fitting-Elbow
32	110-6187	1	Hose-Fuel
33	110-8751	1	Hose-Fuel
34	110-5701	1	Hose-Fuel
35	110-8802	1	Hose-Fuel
37	110-8752	1	Hose-Fuel
38	106-1126	1	Hose-Fuel
39	2412-73	1	Clamp-R
40	110-8806	1	Pump-Fuel
41	110-8807	1	Bracket-Filter, Fuel
44	105-4094	1	Hose-Formed
45	2412-129	2	Clamp-Hose
46	110-8754	1	Trim



Manifold Block Installation Assembly

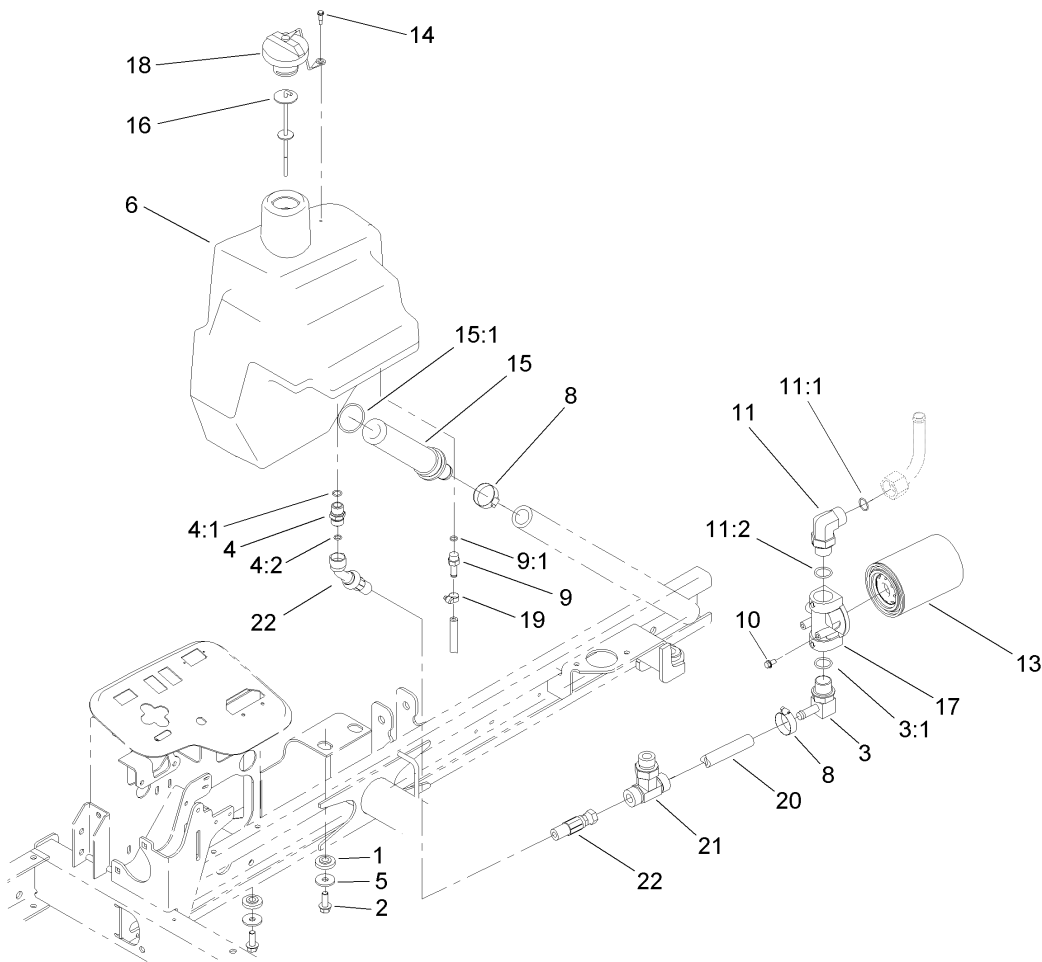
Ref	Part No.	Qty.	Description
1	2412-36	1	Clamp-Hose
3	100-4887	1	Fitting-Barb
3:1	237-42	1	O-Ring
4	104-0430	2	Stud
5	340-2	4	Fitting-HYD, Straight
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	340-7	3	Adapter
6:1	237-65	1	O-Ring
6:2	237-80	1	O-Ring
7	340-77	1	Fitting-HYD, 90 DEG
7:1	237-22	1	O-Ring
7:2	237-42	1	O-Ring
9	340-92	1	Fitting-HYD, Straight
9:1	237-78	1	O-Ring
9:2	237-21	1	O-Ring
10	340-66	1	Fitting-HYD
10:1	237-80	1	O-Ring
10:2	237-58	1	O-Ring
11	107-7806	1	Manifold Block ASM
12	104-0488	1	Hose ASM
13	92-7595	1	Hose ASM
17	108-9005	1	Tube ASM
18	80-7342	1	Hose ASM

Ref	Part No.	Qty.	Description
20	32128-20	2	Nut-HF



Manifold Block Assembly No. 107-7806

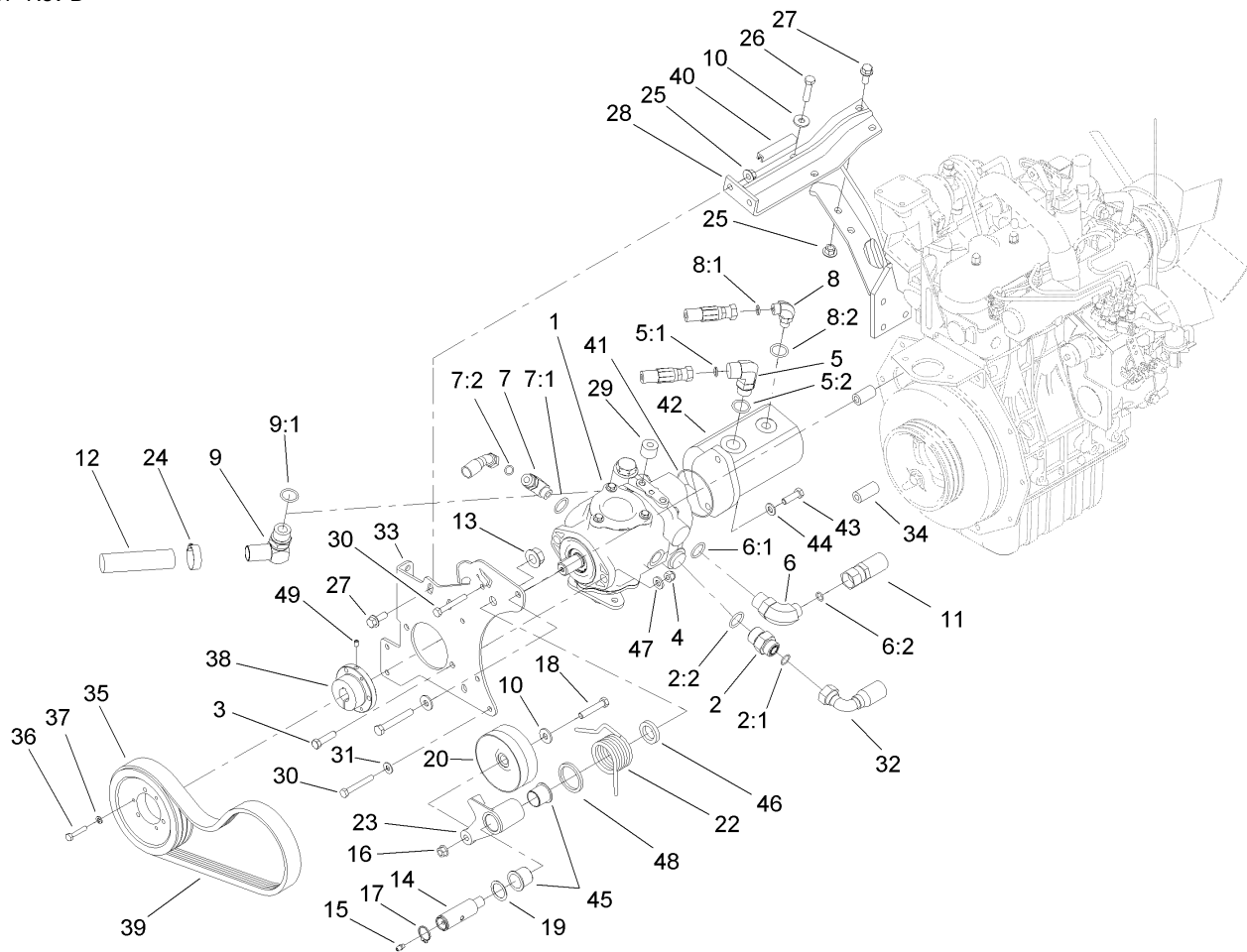
Ref	Part No.	Qty.	Description				
1	107-7812	1	Nut-Solenoid				
❶2	107-7815	1	Seal Kit				
3	353-512	2	Plug				
3:1	237-78	1	O-Ring				
4	107-7809	1	Cartridge ASM				
5	107-7811	1	Solenoid				
❶6	107-7813	1	Seal Kit				
7	107-7810	1	Valve-Braking				
8	107-7808	1	Cartridge-Logic				
❶8:1	107-7813	1	Seal Kit				
❶9	107-7814	1	Seal Kit				



Hydraulic Tank Assembly

Ref	Part No.	Qty.	Description
1	240-11	4	Bushing-Flange
2	3234-11	4	Screw-HHF
3	353-987	1	Fitting-HYD, 90
3:1	237-81	1	O-Ring
4	100-4890	1	Fitting-Check
4:1	237-79	1	O-Ring
4:2	237-30	1	O-Ring
5	63-8410	4	Washer
6	104-4840	1	Tank-HYD
8	2412-34	2	Clamp-Hose
9	353-979	1	Fitting-Straight
9:1	237-42	1	O-Ring
10	3234-13	2	Screw-HHF
11	340-142	1	Fitting-HYD, 90 DEG
11:1	237-58	1	O-Ring
11:2	237-81	1	O-Ring
13	86-3010	1	Filter-Oil
14	57-5420	1	Screw-Shoulder
15	104-7546	1	Strainer-Tank
15:1	340-136	1	O-Ring
16	75-3710	1	Dipstick
17	92-5821	1	Filter Head ASM
18	93-7160	1	Cap-Oil, HYD
19	2412-36	1	Clamp-Hose

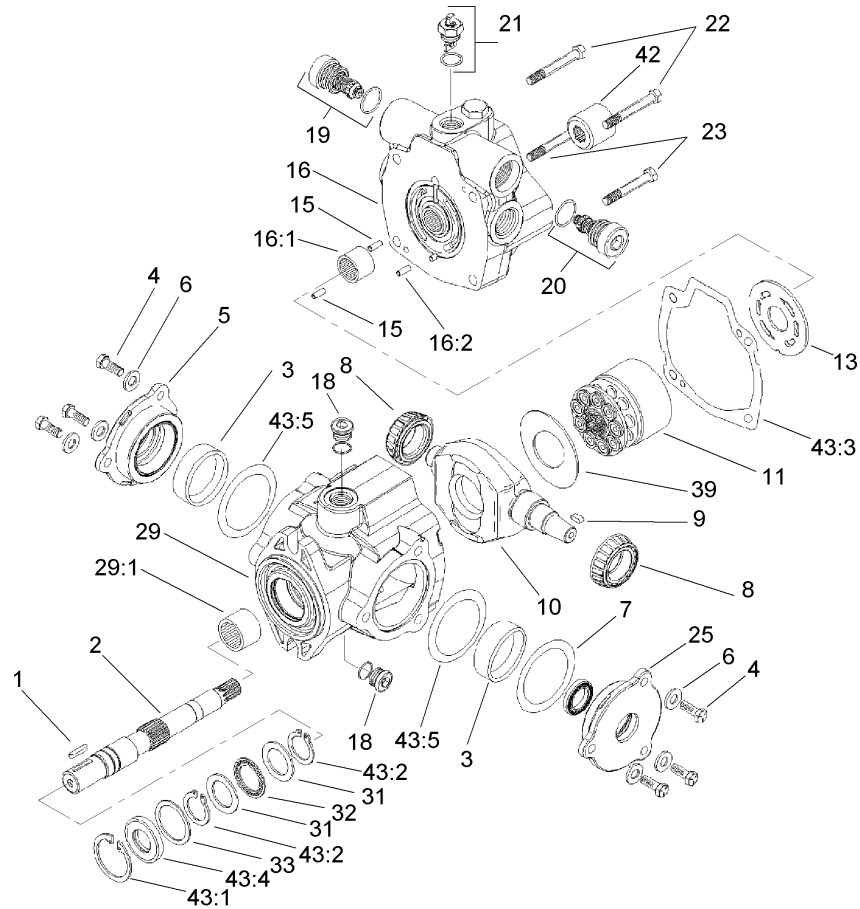
Ref	Part No.	Qty.	Description
20	104-0486	1	Hose ASM
21	104-4836	1	Fitting-Tee
22	104-0487	1	Hose ASM



Hydrostat Assembly

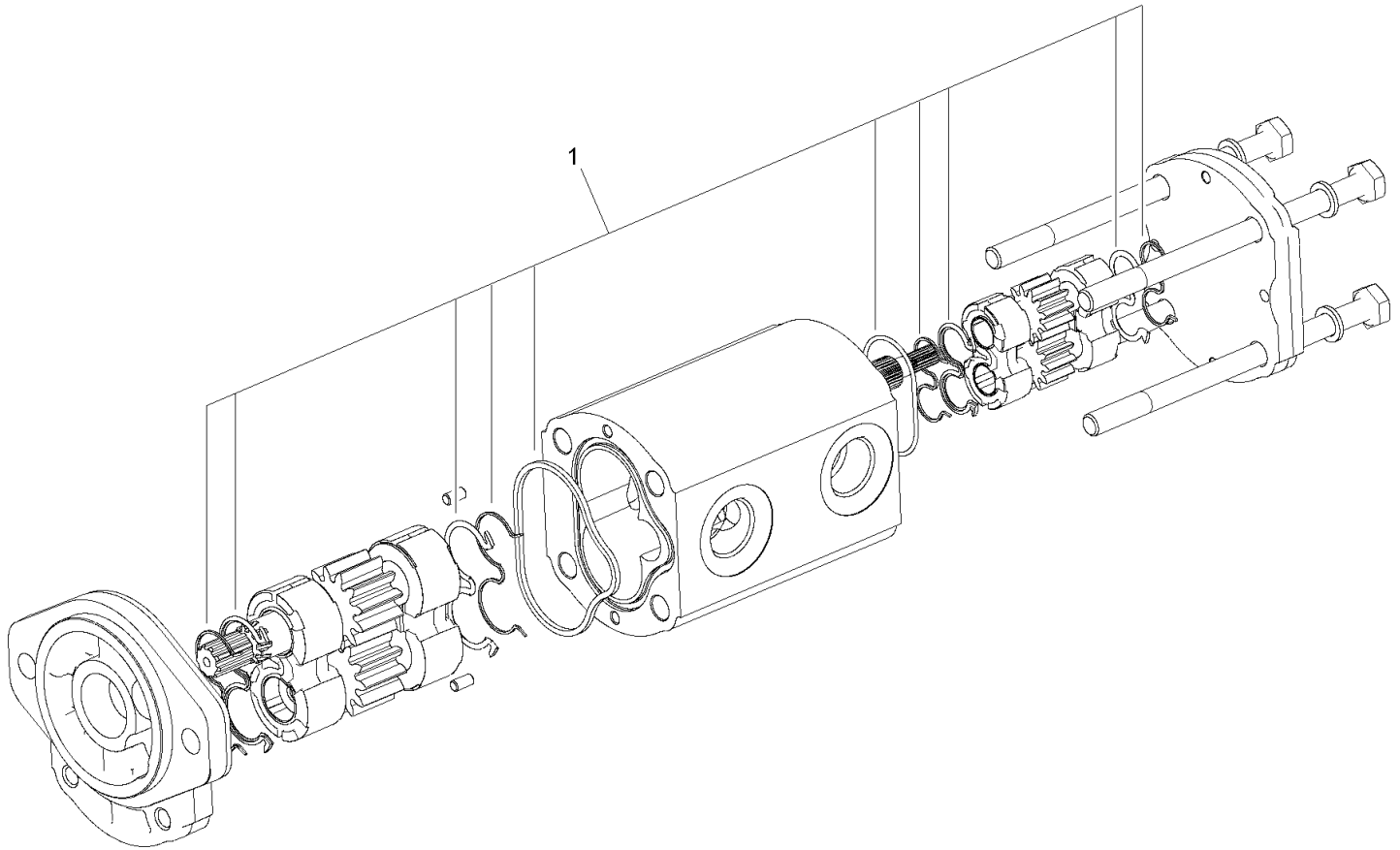
Ref	Part No.	Qty.	Description
1	104-4890	1	Pump-Piston
2	340-8	1	Adapter
2:1	237-65	1	O-Ring
2:2	237-81	1	O-Ring
3	323-8	2	Screw-HH
4	3296-39	2	Nut-Lock, NI
5	340-17	1	Fitting-HYD, 90 DEG
5:1	237-65	1	O-Ring
5:2	237-80	1	O-Ring
6	340-139	1	Fitting-HYD, 90 DEG
6:1	237-81	1	O-Ring
6:2	237-65	1	O-Ring
7	340-18	1	Fitting-HYD, 90 DEG
7:1	237-79	1	O-Ring
7:2	237-22	1	O-Ring
8	340-77	1	Fitting-HYD, 90 DEG
8:1	237-22	1	O-Ring
8:2	237-42	1	O-Ring
9	95-3502	1	Fitting-Elbow
9:1	237-81	1	O-Ring
10	80-6990	3	Washer-Hardened
11	108-9008	1	Hose ASM
12	104-5486	1	Hose
13	32128-54	1	Nut-HF

Ref	Part No.	Qty.	Description
14	99-3624	1	Shaft-Pivot, Idler
15	302-5	1	Fitting-Grease
16	32128-21	1	Nut-HF
17	32151-36	1	Ring-Retaining
18	323-10	1	Screw-HH
19	74-1810	1	Washer
20	107-7834	1	Pulley-Idler
22	100-4844	1	Spring-Torsion
23	99-3623-03	1	Arm-Idler
24	2412-34	1	Clamp-Hose
25	32128-43	4	Nut-Flange
26	323-19	2	Screw-HH
27	3234-11	4	Screw-HHF
28	99-3436-03	1	Support-Pump
29	99-3440	2	Spacer
30	33114-060	4	Screw-HH
31	87-8640	3	Washer-Flat
32	105-1214	1	Hose ASM
33	95-8933-03	1	Plate-Mount, Pump
34	95-8941	4	Spacer-Mount, Pump
35	99-3620	1	Pulley-3V, Pump
36	321-13	3	Screw-HH
37	3253-3	3	Washer-Lock
38	100-4813	1	Bushing-Lock, Taper



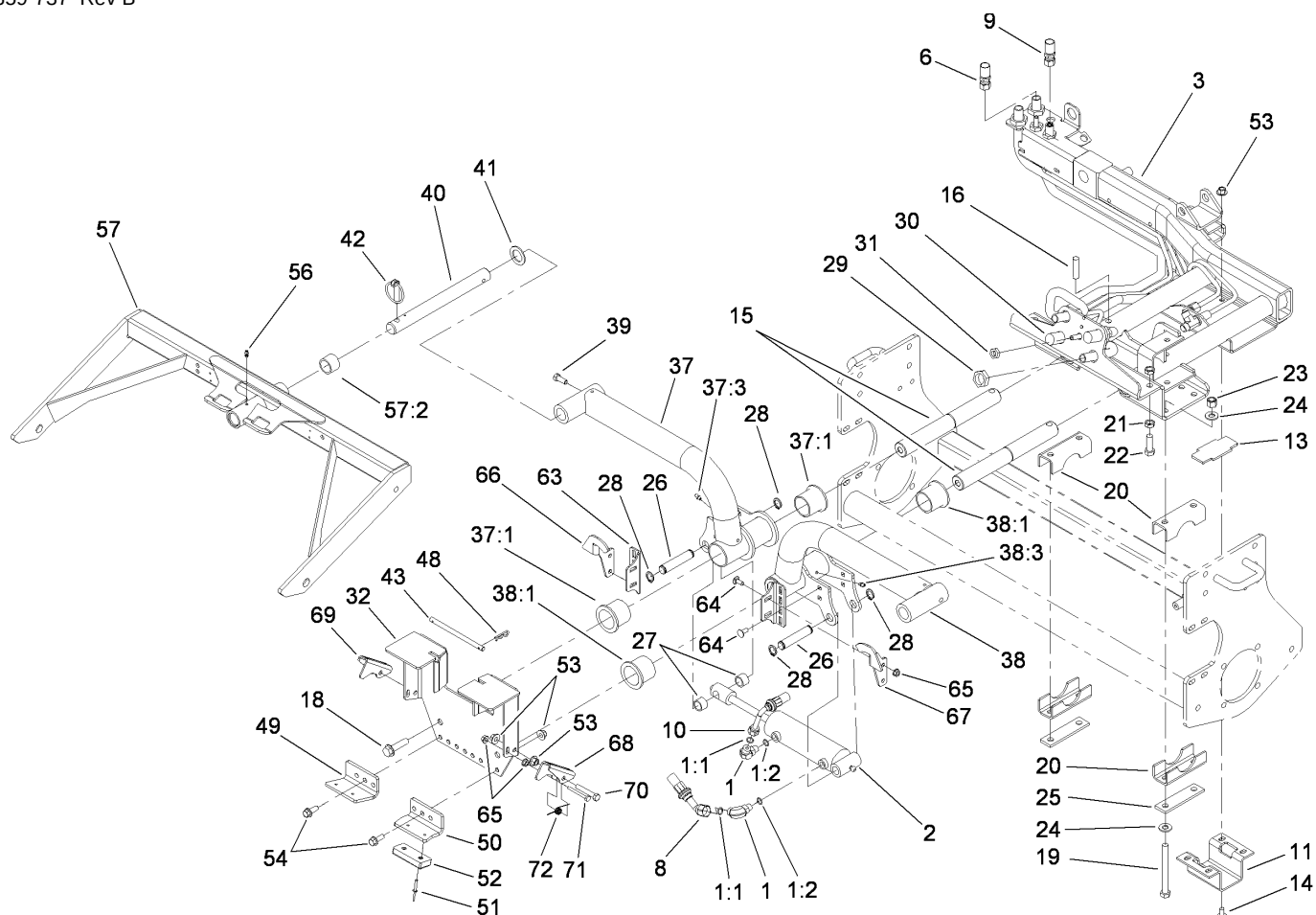
Piston Pump Assembly No. 104-4890

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	94-3645	1	Key	29	100-3176	1	Housing ASM
2	94-6359	1	Shaft-Drive	29:1	94-6363	1	Bearing
3	104-4046	2	Bearing-Cup	31	252-71	2	Washer-Thrust
4	98-4640	6	Screw-Cap	32	252-66	1	Bearing-Thrust
5	98-4644	1	Plate-Cover	33	33-3720	1	Washer
6	105-9762	6	Washer	39	98-4635	1	Insert-Plate, Cam
7	100-3182	2	Shim Kit	42	74-9040	1	Coupler
8	98-4639	2	Bearing-Cone	43	104-4868	1	Seal Repair Kit
9	94-3646	1	Key	43:1	32151-13	1	Ring-Retaining
10	104-4888	1	Swashplate	43:2	32151-29	1	Ring-Retaining
11	76-6070	1	Rotating Kit	43:3	33-4930	1	Gasket-Housing
13	104-0429	1	Plate-Cam	43:4	104-4861	1	Seal-Shaft
15	76-6150	2	Pin-Dowel	43:5	100-3179	1	O-Ring
16	105-3813	1	Endcover Sub ASM				
16:1	94-6368	1	Bearing				
16:2		1	Pin-Roll				
18	74-9280	2	Plug ASM				
18:1		1	Seal-Dust				
19	104-4889	1	Relief Valve ASM				
20	105-3812	1	Valve-Check				
21	105-3811	1	Valve-Bypass				
22	76-6170	2	Capscrew				
23	76-6160	2	Capscrew				
25	98-4645	1	Plate-Cover				



Hydraulic Gear Pump Assembly No. 108-9036

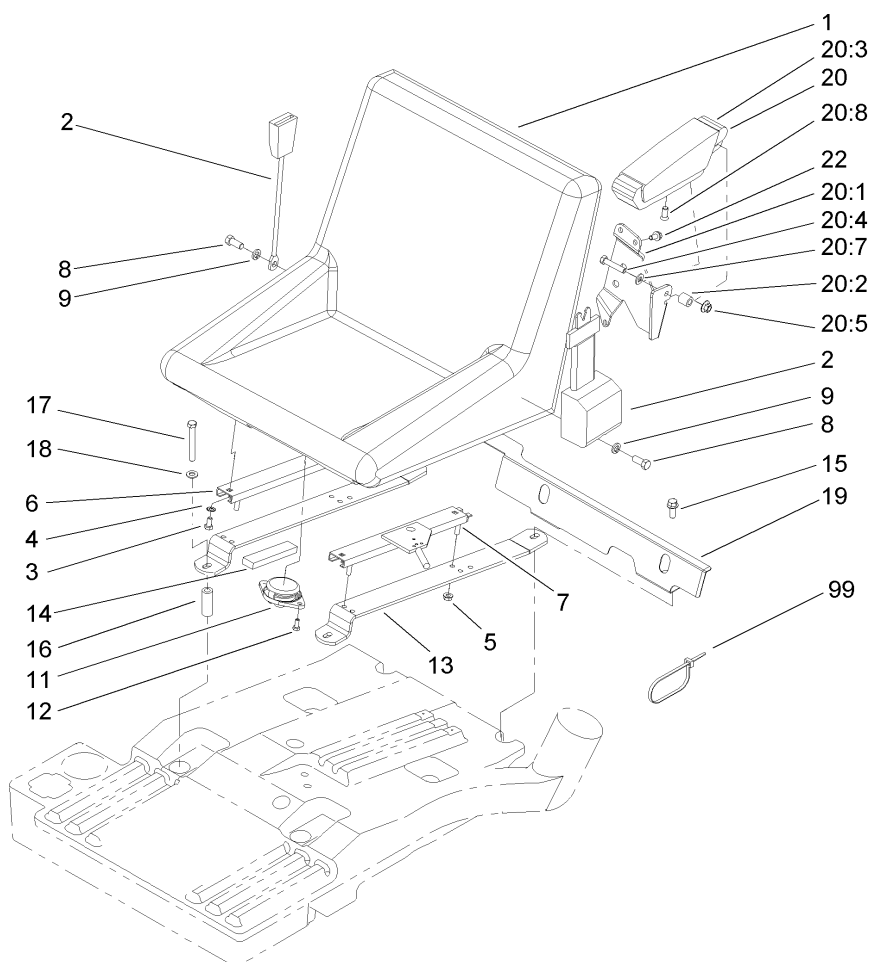
Ref	Part No.	Qty.	Description
1	110-8755	1	Seal Kit



Carrier Assembly

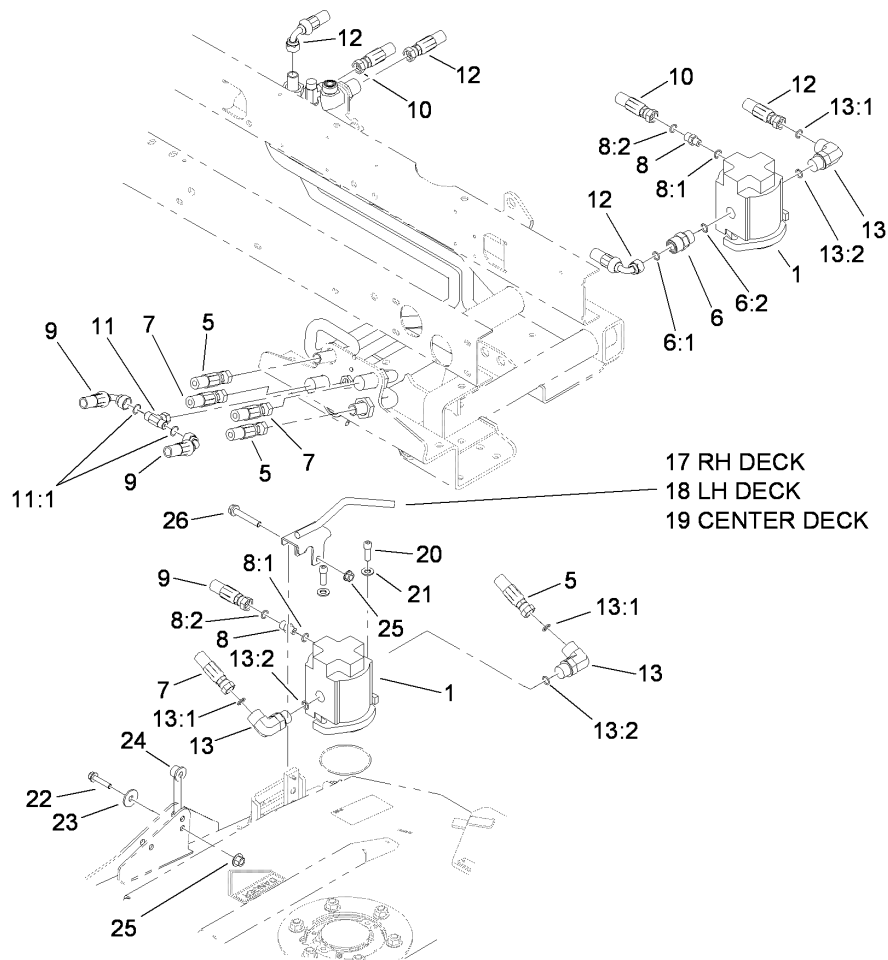
Ref	Part No.	Qty.	Description
1	340-77	2	Fitting-HYD, 90 DEG
1:1	237-22	1	O-Ring
1:2	237-42	1	O-Ring
2	112-9916	1	Cylinder-HYD
3	100-4939-03	1	Sidewinder Carrier ASM
6	99-3575	1	Hose ASM
8	104-0405	1	Hose ASM
9	108-9013	1	Hose ASM
10	104-0406	1	Hose ASM
11	95-8904-03	1	Bracket-Clamp
13	95-8538	1	Slide-Plastic
14	3234-1	4	Screw-HHF
15	95-8531	2	Shaft-Pivot, Liftarm
16	32121-122	2	Pin-Roll
18	3234-27	2	Screw-Flange
19	325-19	4	Screw-HH
20	95-8884	4	Clamp
21	3218-5	4	Nut-Jam
22	325-6	2	Screw-HH
23	3296-23	4	Nut-Lock, NI
24	87-7270	8	Washer-Thrust
25	99-3373	2	Bar-Support, Slide
26	95-8575	2	Pin
27	75-9590	2	Spacer-Cylinder

Ref	Part No.	Qty.	Description
28	32120-93	4	Ring-Retaining
29	340-74	4	Locknut-Bulkhead
30	99-3640	1	Tube ASM
31	340-78	1	Nut-Lock, Bulkhead
32	104-4820-03	1	Bracket-Stop, Carrier
37	95-8553	1	RH Short Lift Arm ASM
37:1	69-6470	2	Bushing-Caster
37:3	302-5	1	Fitting-Grease
38	95-8554	1	LH Short Lift Arm ASM
38:1	69-6470	2	Bushing-Caster
38:3	302-5	1	Fitting-Grease
39	323-6	2	Screw-HH
40	95-8979	2	Shaft
41	3-6781	2	Washer-Thrust
42	283-71	2	Pin-Lynch
43	104-0472	1	Rod
48	3290-467	2	Pin-Hair
49	110-8793-03	1	Stop-Deck, RH
50	110-8794-03	1	Stop-Deck, LH
51	3269-11	4	Rivet
52	86-5350	2	Bumper-Rubber
53	32128-43	4	Nut-Flange
54	3234-11	4	Screw-HHF
56	302-5	2	Fitting-Grease



Seat Mounting Assembly

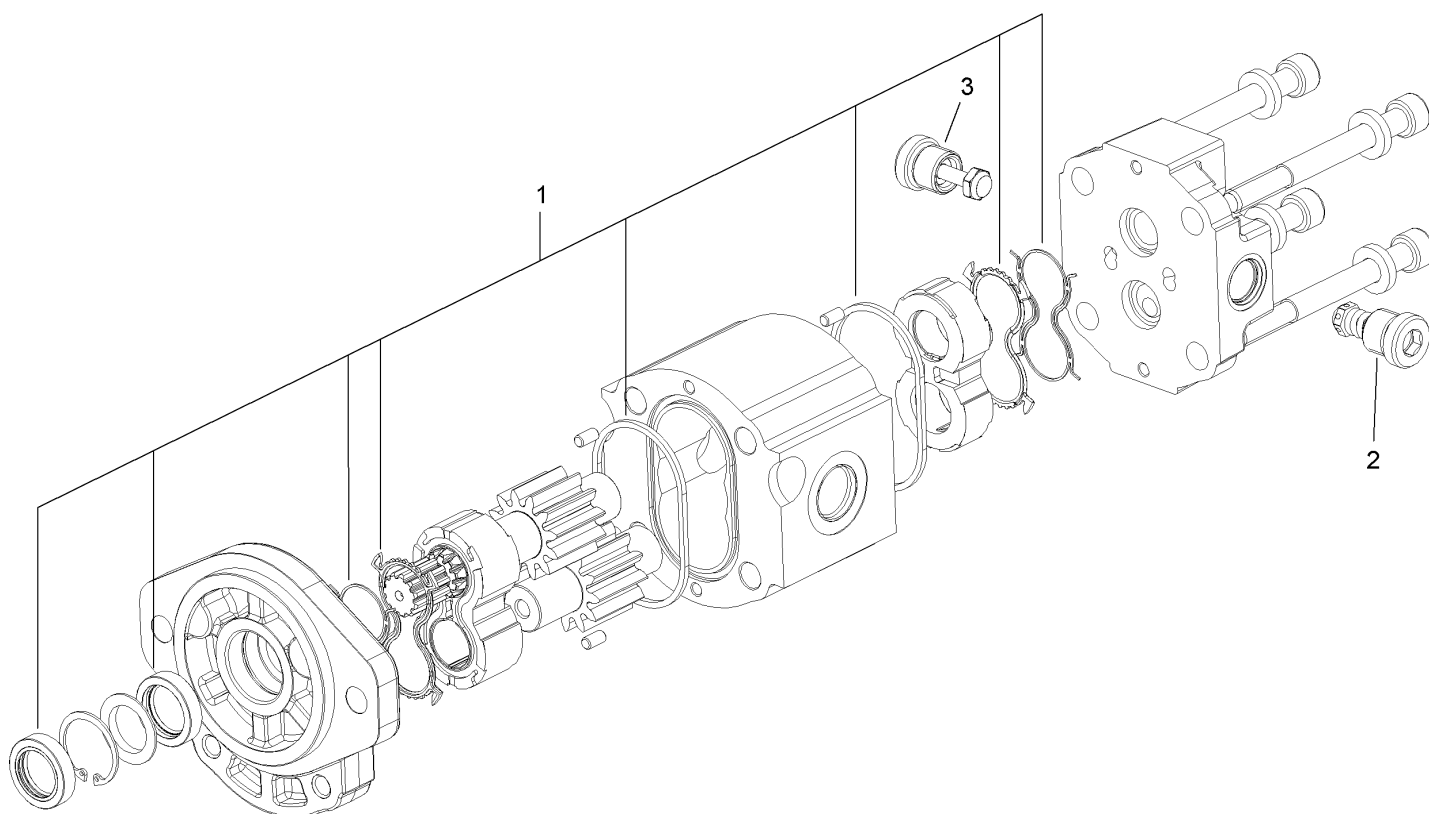
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	104-4620	1	Seat	20:7	3256-24	1	Washer-Flat
2	100-4928	1	Belt-Seat	20:8	92-7318	1	Screw
3	322-2	4	Screw-HH	21	92-7306	1	RH Armrest ASM
4	3255-8	4	Washer-Lock	21:1	69-0770	1	Bracket-Arm, RH
5	104-8300	4	Nut-Flange, NI	21:2	92-7301	1	Spacer
6	92-8990	1	Adjuster-Slave	21:3	69-1180	1	Armrest
7	92-8991	1	Adjuster ASM (W/Latch)	21:4	323-9	1	Screw-HH
8	3212-4	2	Screw-HH	21:5	32128-19	1	Nut-HF
9	3253-6	2	Washer-Lock	21:7	3256-24	1	Washer-Flat
11	92-6282	1	Switch-Seat	21:8	92-7318	1	Screw
12	32144-10	2	Screw-HWH	22	3234-14	6	Screw-HHF
13	104-0467-03	2	Strap-Support, Seat	99	3290-378	1	Tie-Cable
14	95-8896	2	Foam				
15	3234-11	2	Screw-HHF				
16	104-0466	2	Spacer-Tube				
17	323-14	2	Screw-HH				
18	3256-24	2	Washer-Flat				
19	104-4833-03	1	Shield-Heat				
20	92-7307	1	LH Armrest ASM				
20:1	69-0760	1	Bracket-Arm, LH				
20:2	92-7301	1	Spacer				
20:3	69-1180	1	Armrest				
20:4	323-9	1	Screw-HH				
20:5	32128-19	1	Nut-HF				



Rotary Motor Assembly

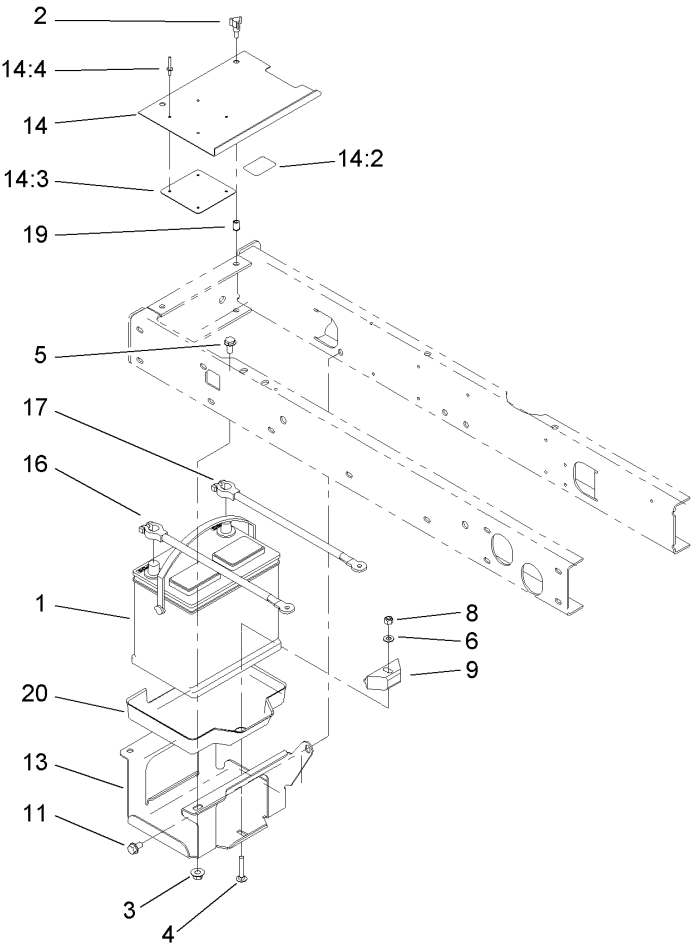
Ref	Part No.	Qty.	Description
1	105-9872	3	Motor-HYD
5	105-1216	2	Hose ASM
6	340-7	1	Adapter
6:1	237-65	1	O-Ring
6:2	237-80	1	O-Ring
7	105-1215	2	Hose ASM
8	340-92	3	Fitting-HYD, Straight
8:1	237-78	1	O-Ring
8:2	237-21	1	O-Ring
9	104-1080	2	Hose ASM
10	100-4876	1	Hose ASM
11	99-3477	1	Fitting-Tee
11:1	237-42	2	O-Ring
12	100-4880	2	Hose ASM
13	340-17	5	Fitting-HYD, 90 DEG
13:1	237-65	1	O-Ring
13:2	237-80	1	O-Ring
17	112-9901-03	1	RH Foot Guard ASM
18	112-9902-03	1	LH Foot Guard ASM
19	112-9900-03	1	Foot Guard ASM
20	3274-7	6	Screw-HSH
21	3256-24	6	Washer-Flat
22	3234-18	6	Screw-HHF
23	93-8806	6	Washer-Hardened

Ref	Part No.	Qty.	Description
24	95-8803	6	Bushing-Flange
25	104-8301	10	Nut-Flange, NI
26	323-11	4	Screw-HH



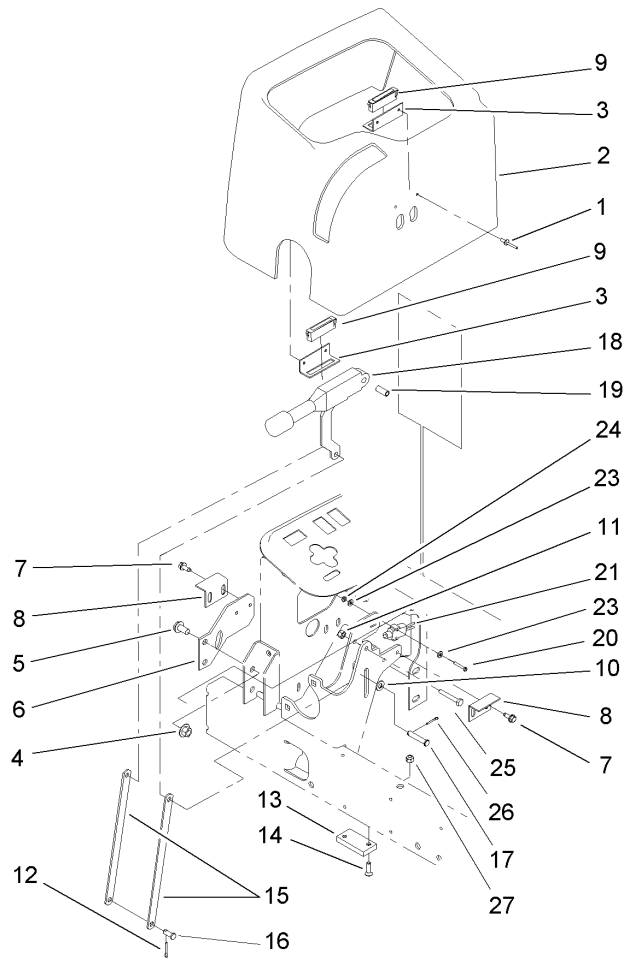
Hydraulic Motor Assembly No. 105-9872

Ref	Part No.	Qty.	Description
1	107-7819	1	Seal Kit
2	107-7820	1	Valve-Relief
3	107-7821	1	Valve-Anticavitation



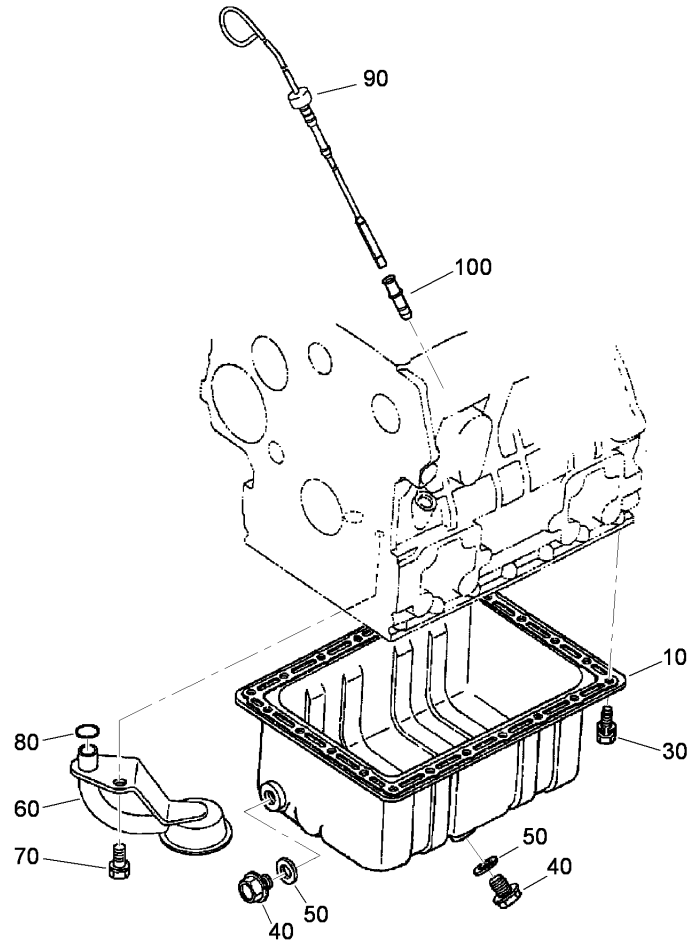
Battery Assembly

Ref	Part No.	Qty.	Description				
1	104-9979	1	Battery				
2	233-70	2	Knob-Star, Three				
3	32128-43	3	Nut-Flange				
4	3230-6	1	Screw-CARR				
5	3234-1	3	Screw-HHF				
6	3256-23	1	Washer-Flat				
8	3296-29	1	Nut-Lock, NI				
9	66-2490	1	Retainer-Battery				
11	32144-15	1	Screw-HHFTF				
13	95-8796-03	1	Support-Battery				
14	99-3602	1	Battery Cover ASM				
14:2	93-7276	1	Decal-Danger				
14:3	87-7620	1	Shield-Terminal, Battery				
14:4	3269-27	4	Rivet-Snap				
16	95-8853	1	Cable-Battery, Positive				
17	95-8854	1	Cable-Battery, Negative				
19	32148-6	2	Insert-Nut				
20	99-3513	1	Tray-Battery				



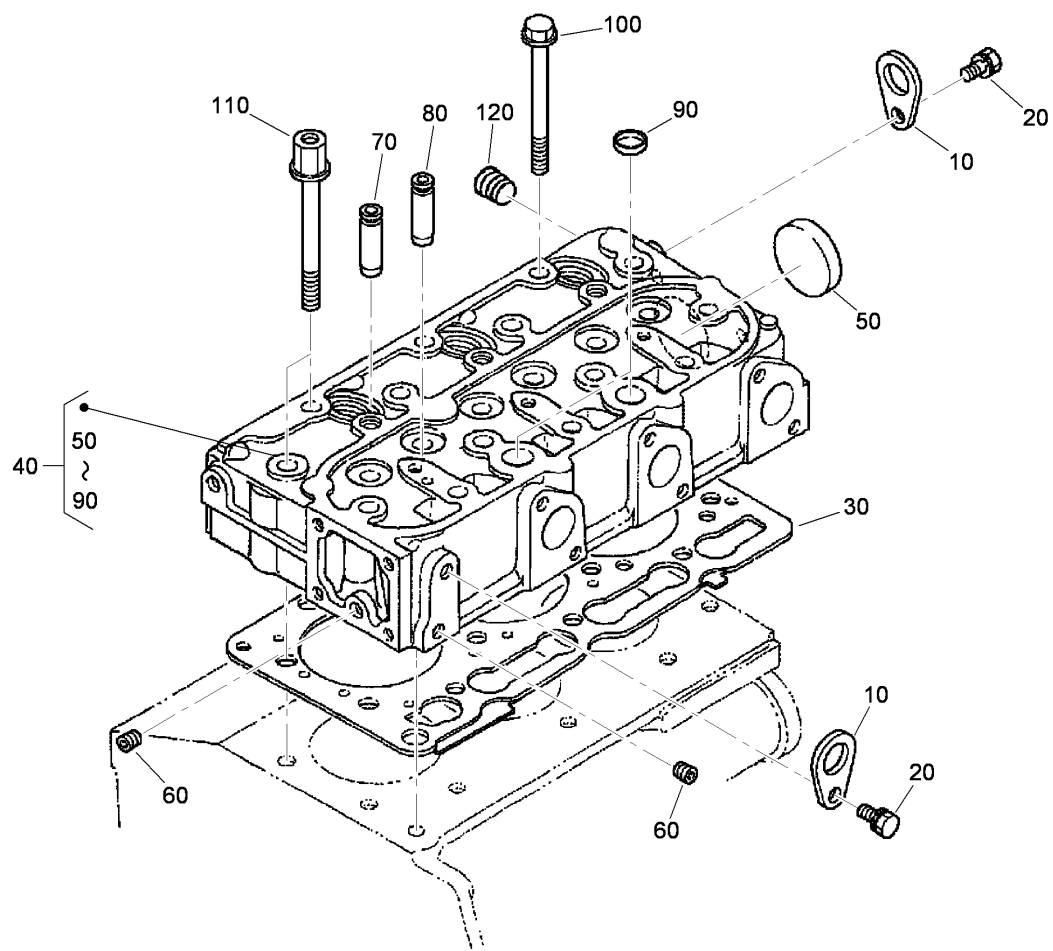
Parking Brake Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	3269-5	4	Rivet	26	3272-6	1	Pin-Cotter
2	95-8707	1	Cover-Dash	27	32128-32	2	Nut-HHF
3	95-8763	2	Bracket-Hold Down, Cover				
4	32128-43	2	Nut-Flange				
5	3234-1	2	Screw-HHF				
6	95-8764-03	1	Support-Magnet				
7	32144-10	4	Screw-HWH				
8	95-8765	2	Bracket-Strike, Magnet				
9	58-4250	2	Catch-Magnetic				
10	3256-23	1	Washer-Flat				
11	3296-42	1	Nut-Lock, NI				
12	3272-10	1	Pin-Cotter				
13	95-8684	1	Pad-Bumper				
14	3289-4	2	Screw-FH				
15	104-4628-03	2	Link-Brake, Parking				
16	283-62	1	Pin-Clevis				
17	94-3829	1	Pin-Clevis				
18	104-4817	1	Lever-Brake				
19	87-4710	1	Spacer-Brake, Parking				
20	32105-9	2	Screw				
21	95-8900	1	Switch				
23	3256-21	4	Washer-Flat				
24	3296-9	2	Nut-Lock				
25	321-10	1	Screw-HH				



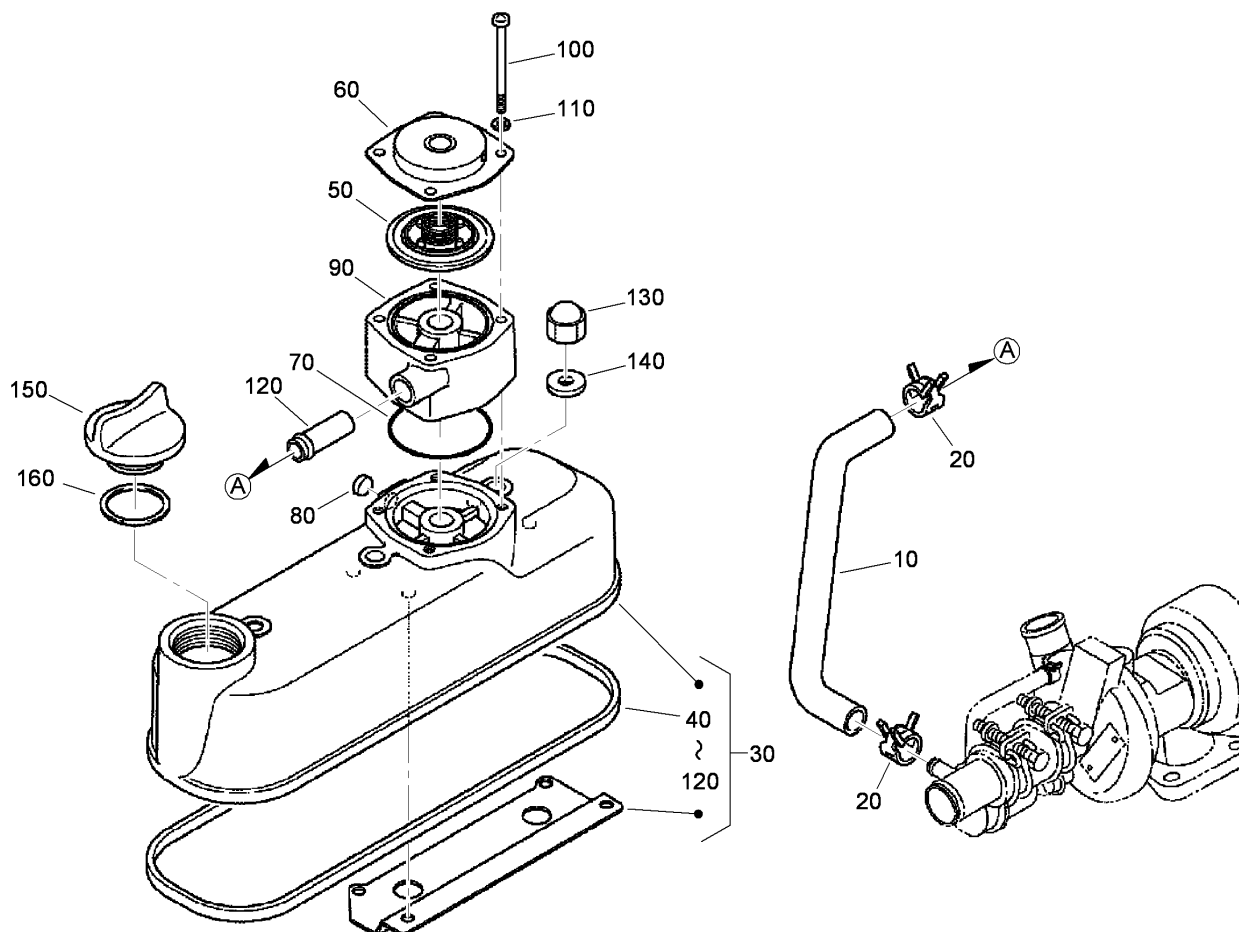
Dipstick, Guide and Oil Pan Assembly

Ref	Part No.	Qty.	Description				
10	98-9685	1	Pan-Oil				
30	98-9351	22	Bolt				
40	114-8151	2	Plug-Drain				
50	98-7524	2	Gasket				
60	112-7044	1	Head-Filter				
70	98-7526	1	Bolt				
80	105-3776	1	O-Ring				
90	107-9076	1	Gauge-Oil				
100	105-4580	1	Guide				



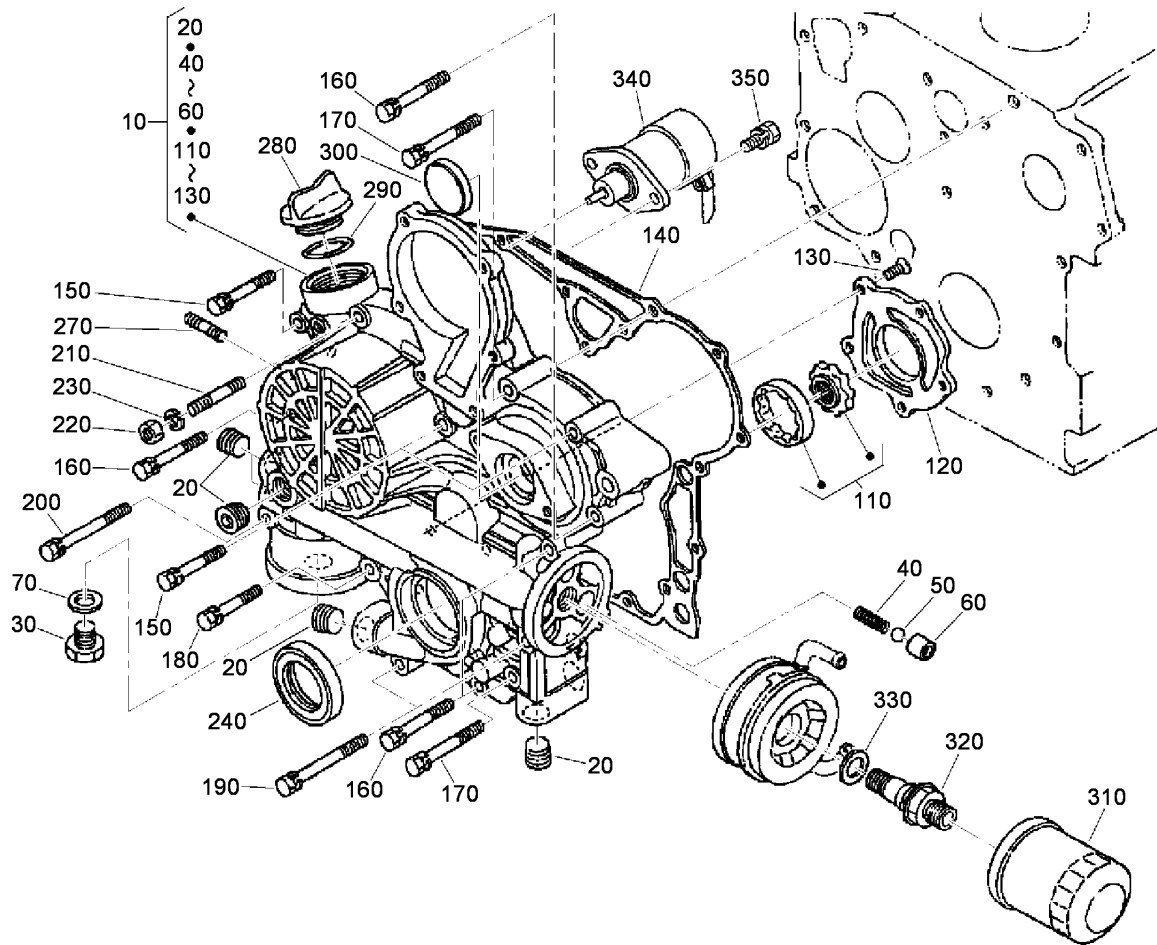
Cylinder Head Assembly

Ref	Part No.	Qty.	Description				
10	98-7531	2	Hook-Engine				
20	100-9195	2	Bolt				
30	108-6573	1	Gasket-Head, Cylinder				
40	107-7823	1	Cylinder Head ASM				
50	105-3705	1	Cap-Sealing				
60	98-7540	2	Plug				
70	107-9066	3	Guide-Valve, Inlet				
80	107-9067	3	Guide-Valve, Exhaust				
90	98-9389	2	Cap-Sealing				
100	98-9479	12	Bolt-Head, Cylinder				
110	98-9647	2	Bolt-Head, Cylinder				
120	98-9444	1	Plug				



Cylinder Head Cover Assembly

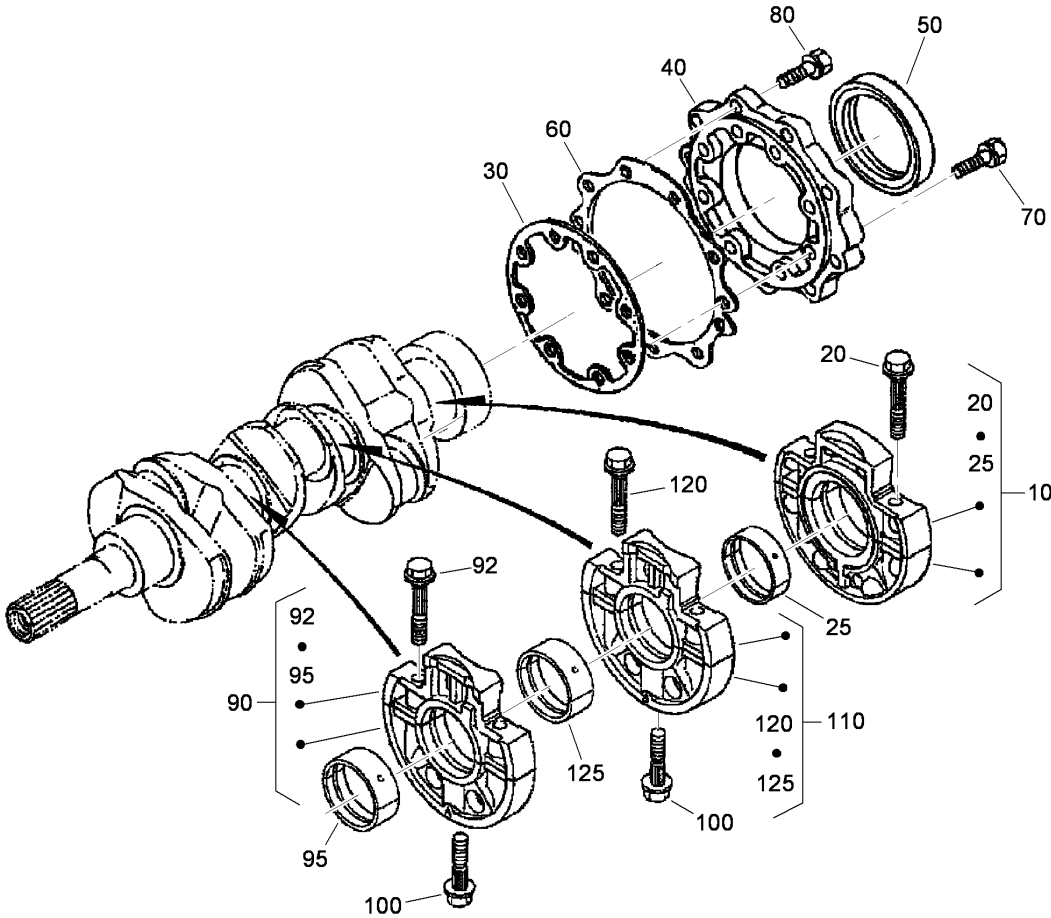
Ref	Part No.	Qty.	Description				
10	115-3040	1	Tube-Breather				
20	108-2859	2	Clamp-Hose				
30	115-3041	1	Cyl Head Cover ASM				
40	98-9615	1	Gasket-Cover, Head				
50	110-3715	1	Valve-Breather				
60	110-3714	1	Cover-Breather				
70	110-3846	1	O Ring-Breather				
80	115-3042	1	Cap-Sealing				
90	115-3043	1	Spacer-Breather				
100	115-3044	4	Screw-Pan Head				
110	100-2204	4	Washer-Spring				
120	98-7766	1	Pipe-Return, Water				
130	98-9455	3	Nut-Cap				
140	98-9454	3	Gasket				
150	107-9075	1	Plug-Filler, Oil				
160	99-3446	1	O-Ring				



Gear Case and Oil Filter Cartridge Assembly

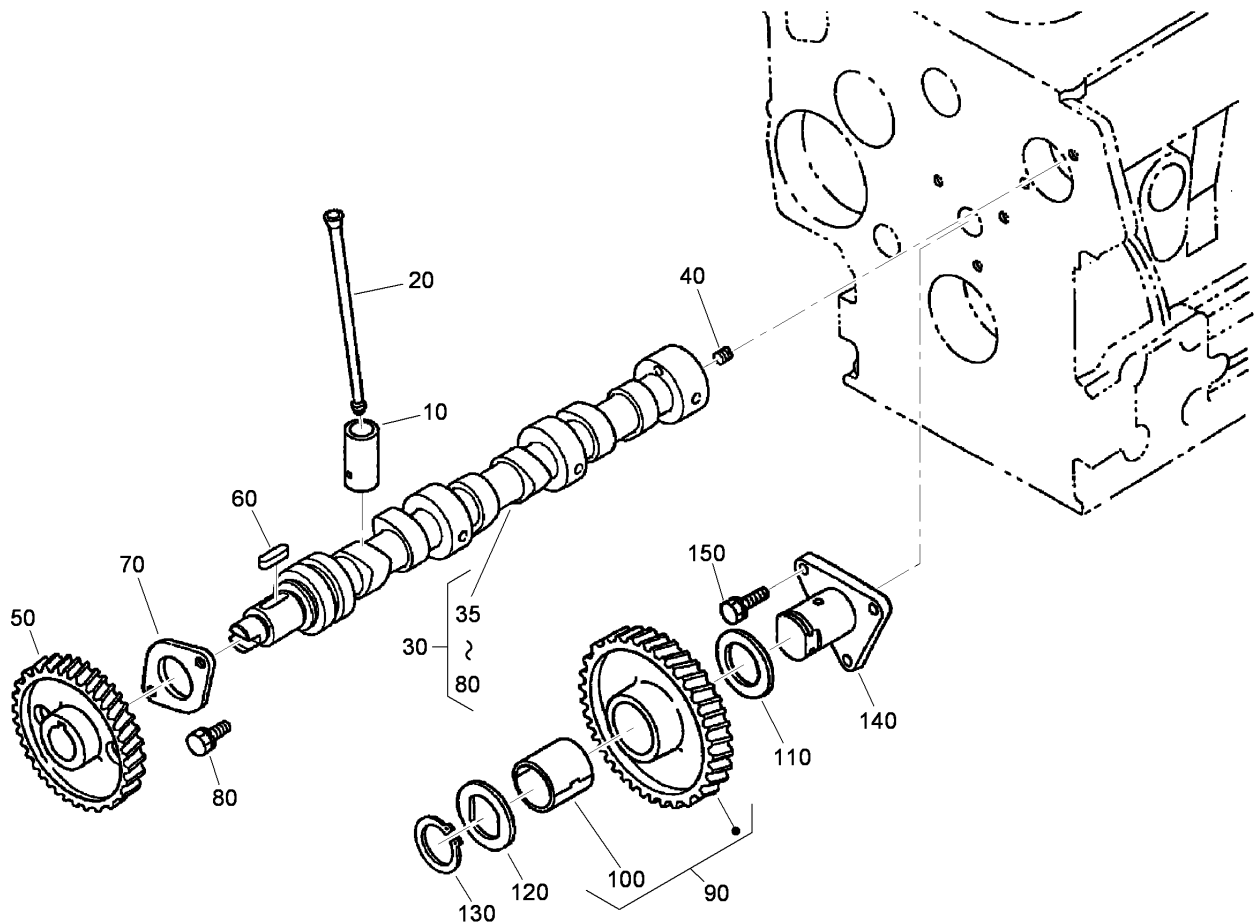
Ref	Part No.	Qty.	Description
10	107-7825	1	Gear Case ASM
20	98-9598	5	Plug
30	99-3450	1	Plug
40	98-9544	1	Spring
50	98-9543	1	Seat-Valve
60	98-9380	1	Ball
70	99-3451	1	Plug-Packing
110	98-9540	1	Oil Pump Rotor ASM
120	105-3708	1	Cover-Pump, Oil
130	98-9592	5	Screw
140	98-9633	1	Gasket-Case, Gear
150	100-1765	3	Bolt
160	105-3797	4	Bolt
170	98-9356	2	Bolt
180	98-9437	1	Bolt
190	98-9586	2	Bolt
200	99-3511	1	Bolt
210	105-3709	1	Stud
220	98-7572	1	Nut
230	98-7699	1	Washer-Spring
240	98-9482	1	Seal-Oil
270	105-3710	2	Stud
280	107-9075	1	Plug-Filler, Oil
290	99-3446	1	O-Ring

Ref	Part No.	Qty.	Description
300	98-9641	1	Cover-Case, Gear
310	99-8384	1	Filter-Oil
320	104-5159	1	Holder ASM
330	98-9727	1	Collar
340	104-5155	1	Solenoid-Stop
350	115-3039	2	Bolt-HSH



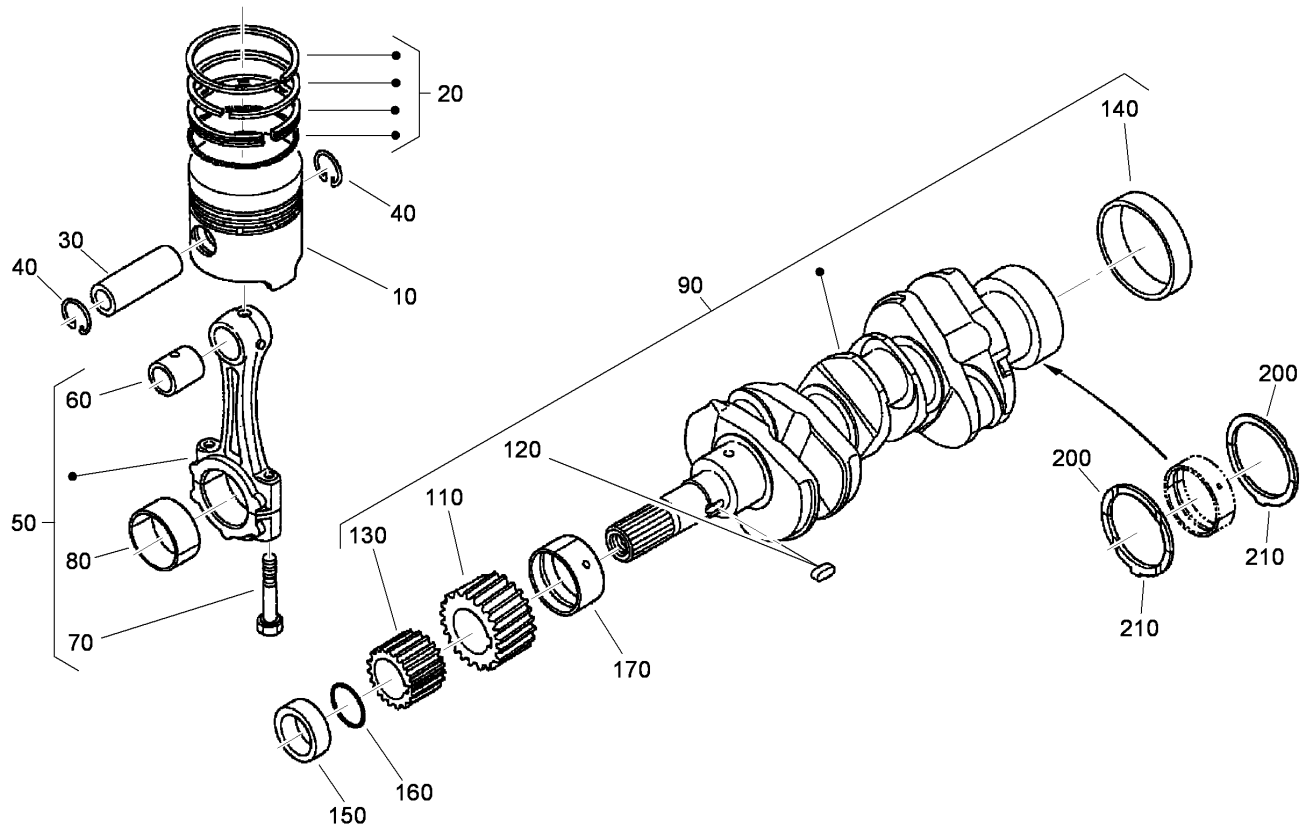
Main Bearing Case Assembly

Ref	Part No.	Qty.	Description				
10	112-7026	1	Wheel Bearing Case ASM				
20	98-9484	2	Bolt-Case, Bearing				
25	112-7045	1	Metal-Crankshaft				
25	112-7039	1	Metal-Crankshaft				
25	112-7040	1	Metal-Crankshaft				
30	98-9634	1	Gasket-Case, Bearing				
40	112-7046	1	Cover-Case, Bearing				
50	112-0180	1	Seal-Oil				
60	112-7037	1	Gasket-Cover, Case				
70	98-9352	8	Bolt				
80	98-7568	9	Bolt				
90	112-7028	1	Bearing ASM				
92	98-9484	2	Bolt-Case, Bearing				
95	112-7011	1	Bearing-Main (STD)				
95	112-7012	1	Metal-Crankpin, -0.2Mm				
95	112-7013	1	Metal-Crankpin, -0.4Mm				
100	98-9485	2	Bolt-Case, Bearing				
110	112-7027	1	Bearing ASM				
120	98-9484	2	Bolt-Case, Bearing				
125	112-7011	1	Bearing-Main (STD)				
125	112-7012	1	Metal-Crankpin, -0.2Mm				
125	112-7013	1	Metal-Crankpin, -0.4Mm				



Camshaft and Idle Gear Shaft Assembly

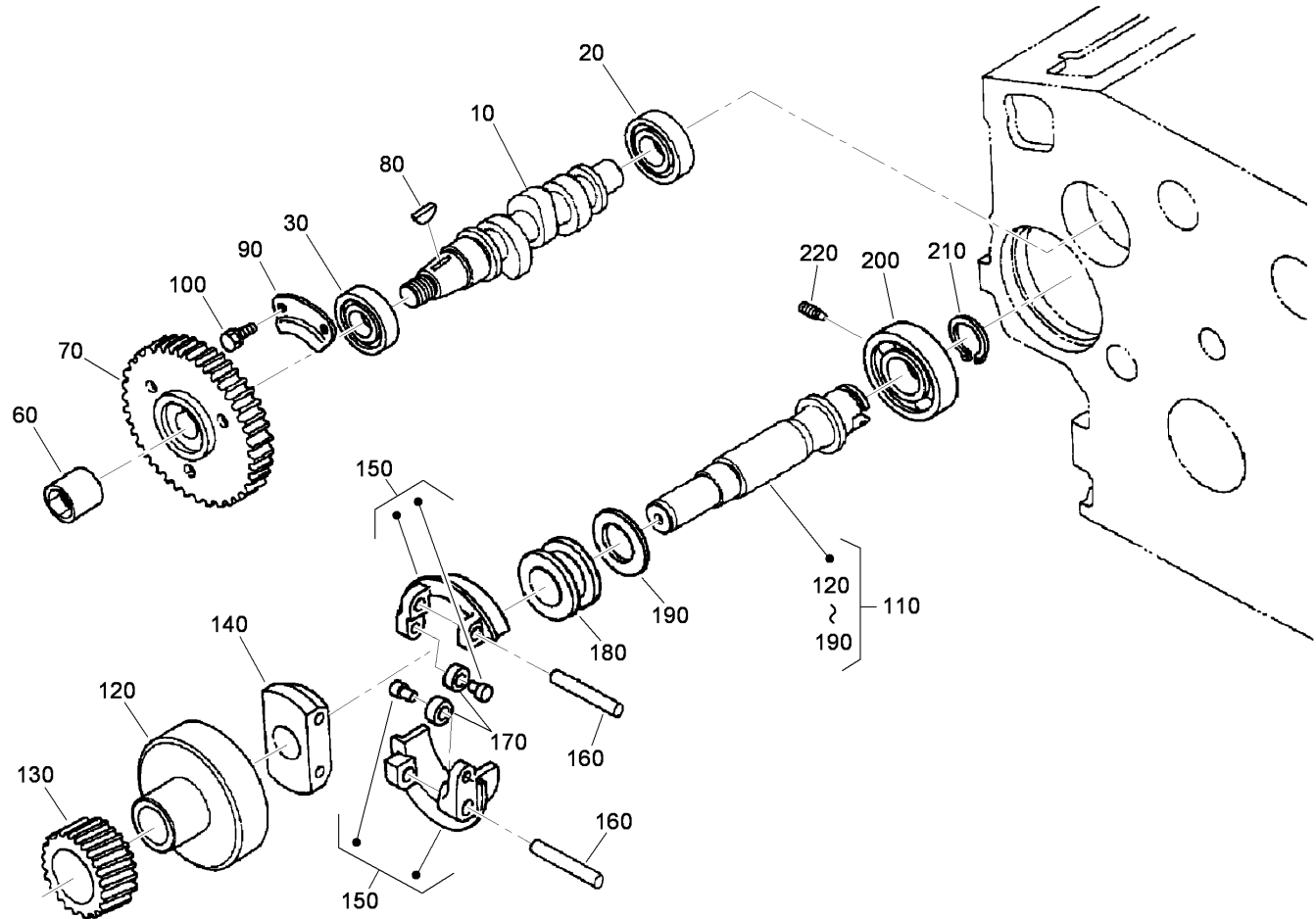
Ref	Part No.	Qty.	Description				
10	112-0185	6	Tappet				
20	98-9509	6	Rod-Push				
30	112-7029	1	Camshaft ASM				
35	108-1403	1	Camshaft				
40	98-7449	1	Screw-Set				
50	98-9512	1	Gear-Cam				
60	98-9378	1	Key-Feather				
70	98-9510	1	Stopper-Camshaft				
80	98-7692	2	Bolt				
90	98-9649	1	Idle Gear ASM				
100	98-9650	1	Bushing-Gear, Idle				
110	98-9535	1	Collar-Gear, Idle				
120	98-9536	1	Collar-Gear, Idle				
130	98-9534	1	Circlip-Gear, Idle				
140	98-9533	1	Shaft-Gear, Idle				
150	98-7692	3	Bolt				



Piston and Crankshaft Assembly

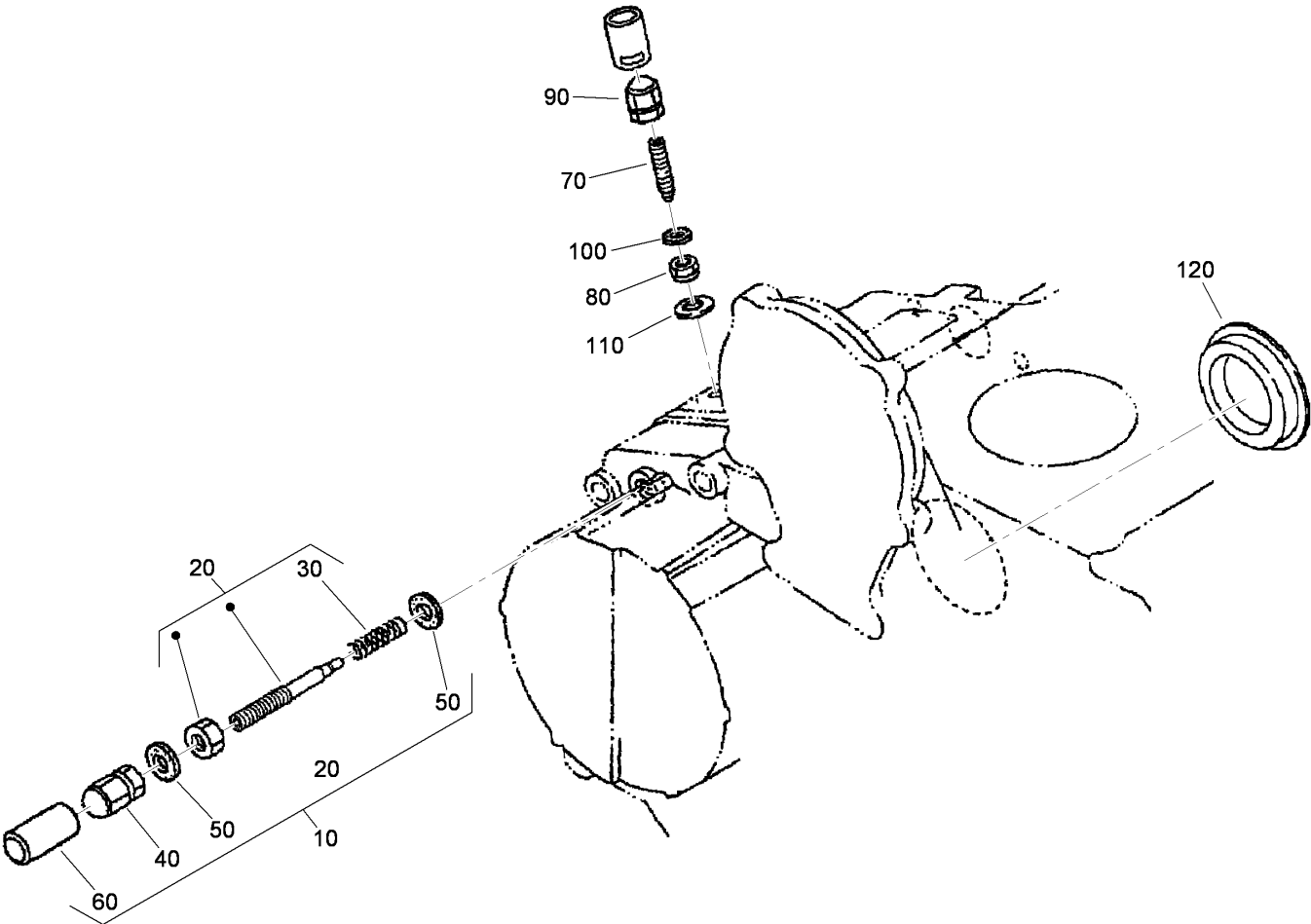
Ref	Part No.	Qty.	Description
10	98-9550	3	Piston (STD)
10	108-1417	3	Piston, 0.5Mm
20	98-9551	3	Piston Ring ASM (STD)
20	108-1404	3	Piston Ring ASM (0.5Mm)
30	98-9513	3	Pin-Piston
40	98-9514	6	Circlip-Pin, Piston
50	98-9552	3	Connecting Rod ASM
60	115-3014	3	Bushing-Pin, Piston
70	98-9517	6	Bolt-Rod, Connecting
80	98-9553	3	Bearing-Rod (STD)
80	108-1405	3	Metal-Crankpin, -0.2Mm
80	108-1406	3	Metal-Crankpin, -0.4Mm
90	98-9642	1	Crankshaft ASM
110	98-9532	1	Gear-Crankshaft
120	98-9666	1	Key
130	98-9542	1	Gear-Drive, Oil Pump
140	98-9522	1	Sleeve-Crankshaft
150	98-9521	1	Collar-Crankshaft
160	105-3783	1	O-Ring
170	112-7005	1	Bearing-Main (STD)
170	112-7009	1	Metal-Crankpin, -0.2Mm
170	112-7010	1	Metal-Crankpin, -0.4Mm
200	98-9413	2	Bearing-Thrust (STD)
200	98-9414	2	Bearing-Thrust (0.2Mm)

Ref	Part No.	Qty.	Description
200	98-9415	2	Bearing-Thrust (0.4Mm)
210	98-9688	2	Bearing-Thrust (STD)
210	98-9689	2	Bearing-Thrust (0.2Mm)
210	98-9690	2	Bearing-Thrust (0.4Mm)



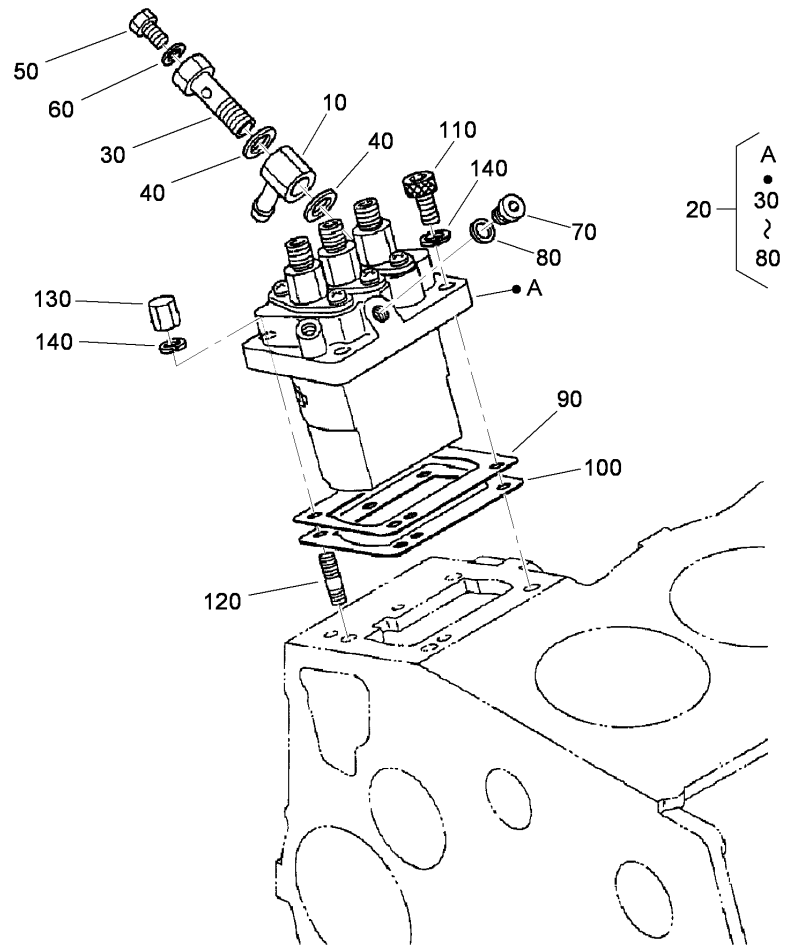
Fuel Camshaft and Governor Shaft Assembly

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



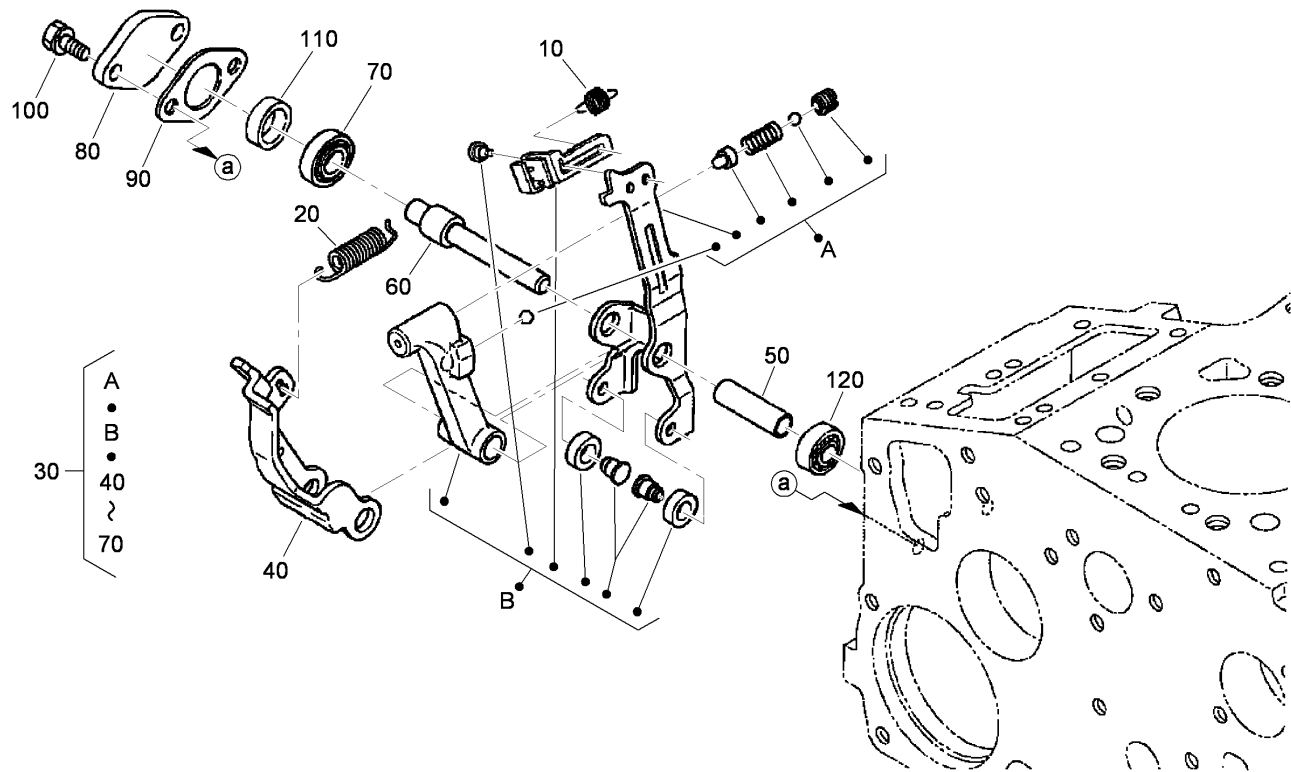
Idle Apparatus Assembly

Ref	Part No.	Qty.	Description				
10	115-4124	1	Apparatus-Idling				
20	115-4125	1	Adjustment Bolt ASM				
30	98-9439	1	Nut				
40	112-0181	1	Nut				
50	98-7654	2	Gasket				
60	98-7656	1	Cap				
70	112-7015	1	Bolt-Adjusting				
80	100-2175	1	Nut-Lock				
90	112-0181	1	Nut				
100	98-7654	1	Gasket				
110	107-9081	1	Gasket				
120	112-7016	1	Cover-Pump				



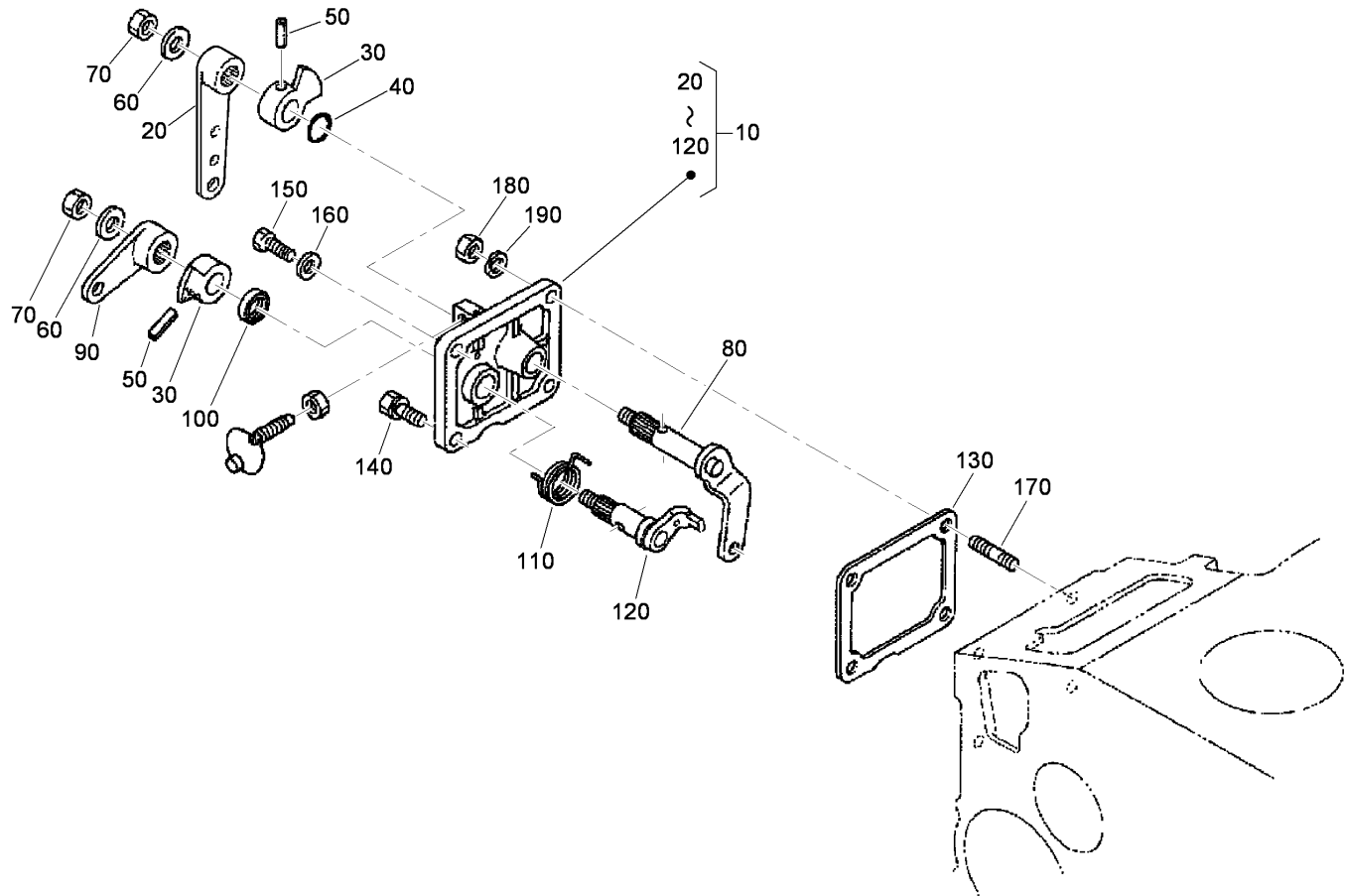
Injection Pump Assembly

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



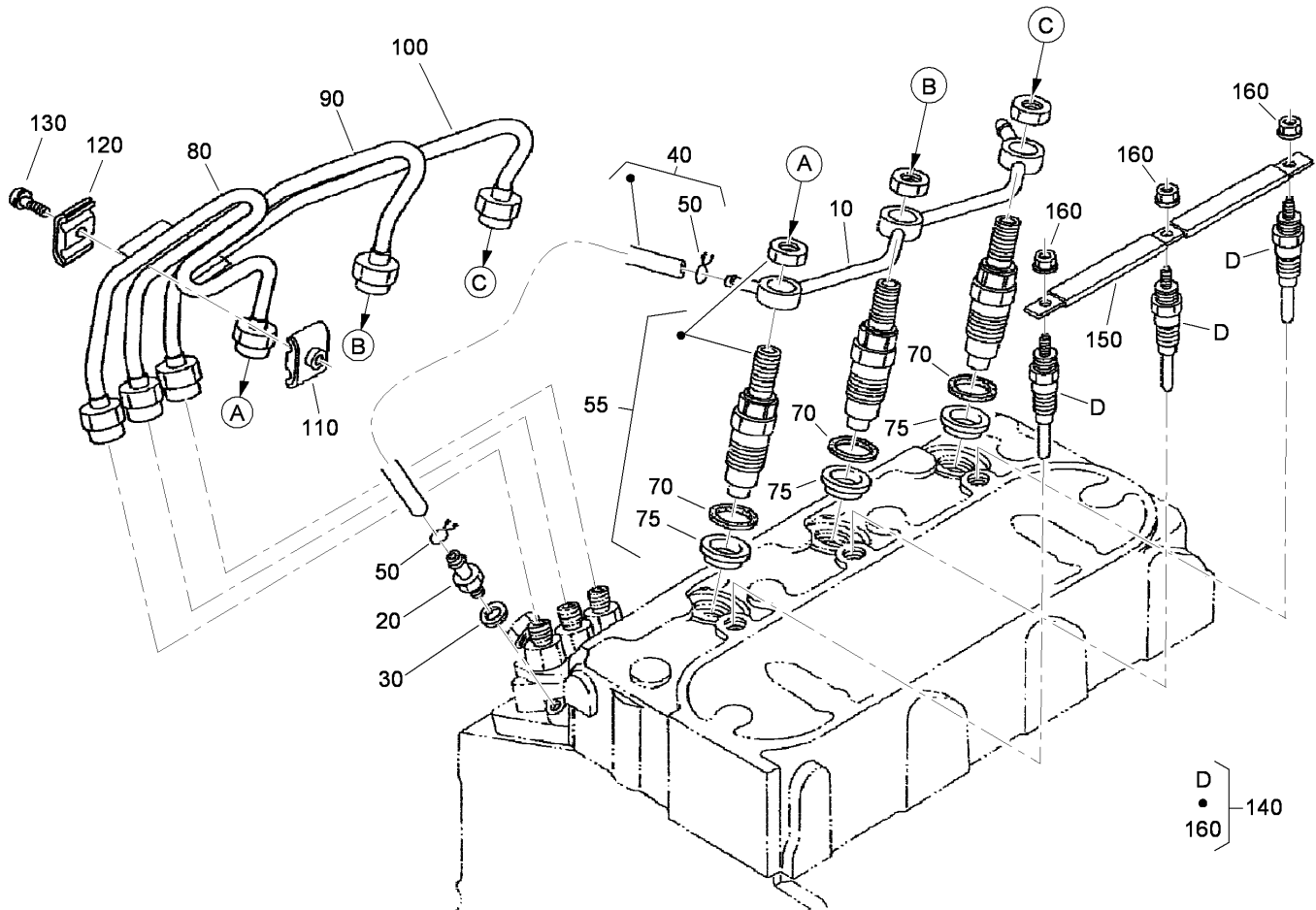
Governor Assembly

Ref	Part No.	Qty.	Description				
10	105-3786	1	Spring-Start				
20	98-9681	1	Spring-Governor				
30	115-4502	1	Fork Lever ASM				
40	107-9084	1	Lever-Fork				
50	107-9085	1	Shaft-Lever, Fork				
60	107-9086	1	Shaft-Lever, Fork				
70	98-9570	1	Bearing-Miniaturize				
80	115-4122	1	Cover-Shaft, Fork Lever				
90	98-9682	1	Gasket				
100	98-9350	2	Bolt				
110	98-9567	1	Collar				
120	98-9571	1	Bearing-Miniaturize				



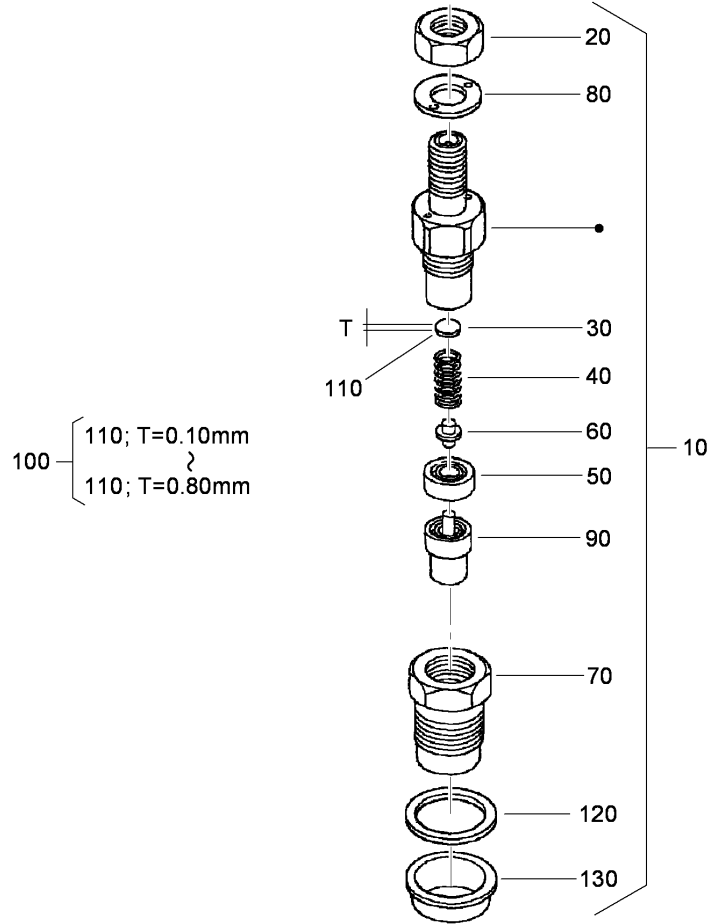
Speed Control Plate Assembly

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



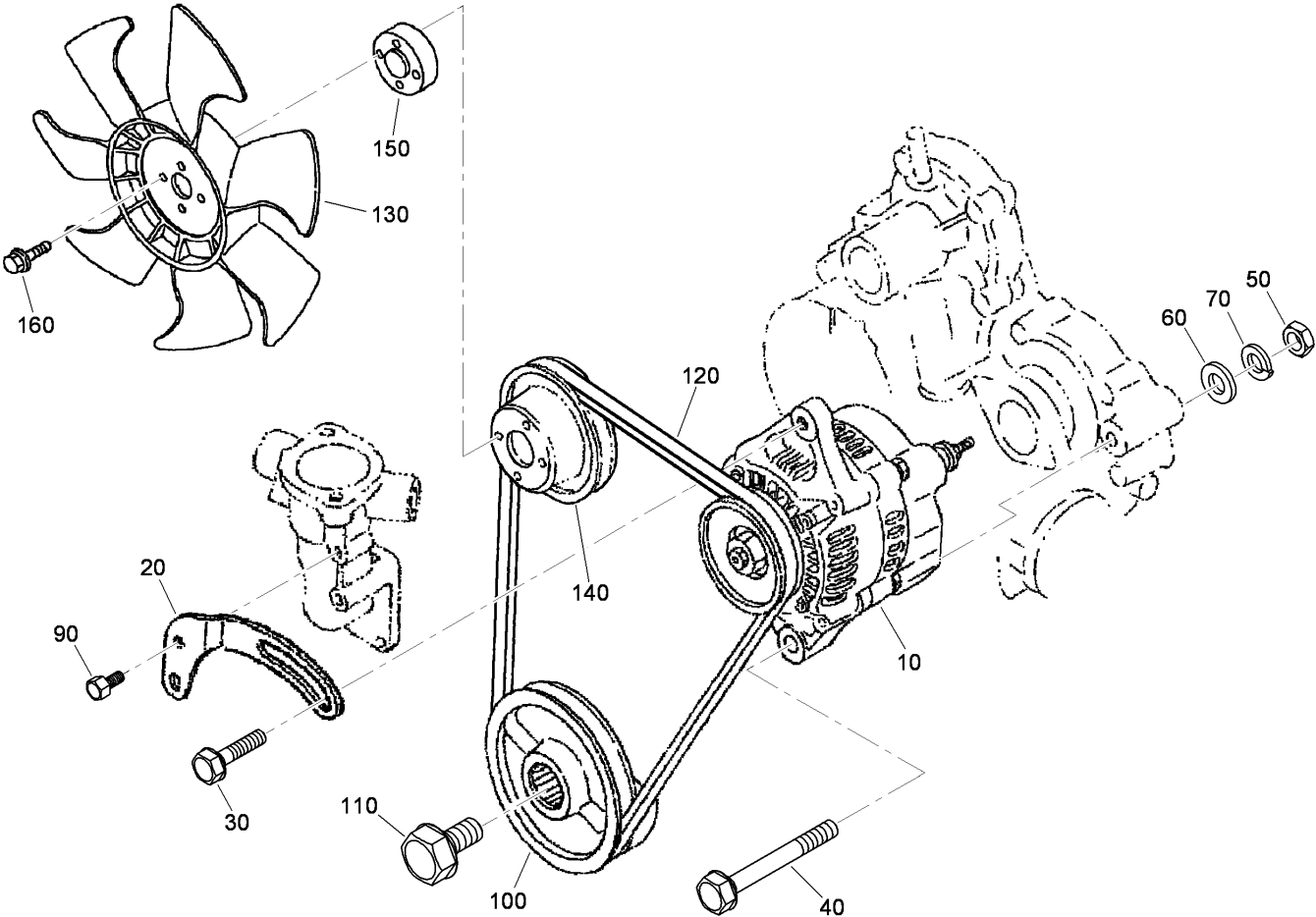
Nozzle Holder and Glow Plug Assembly

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



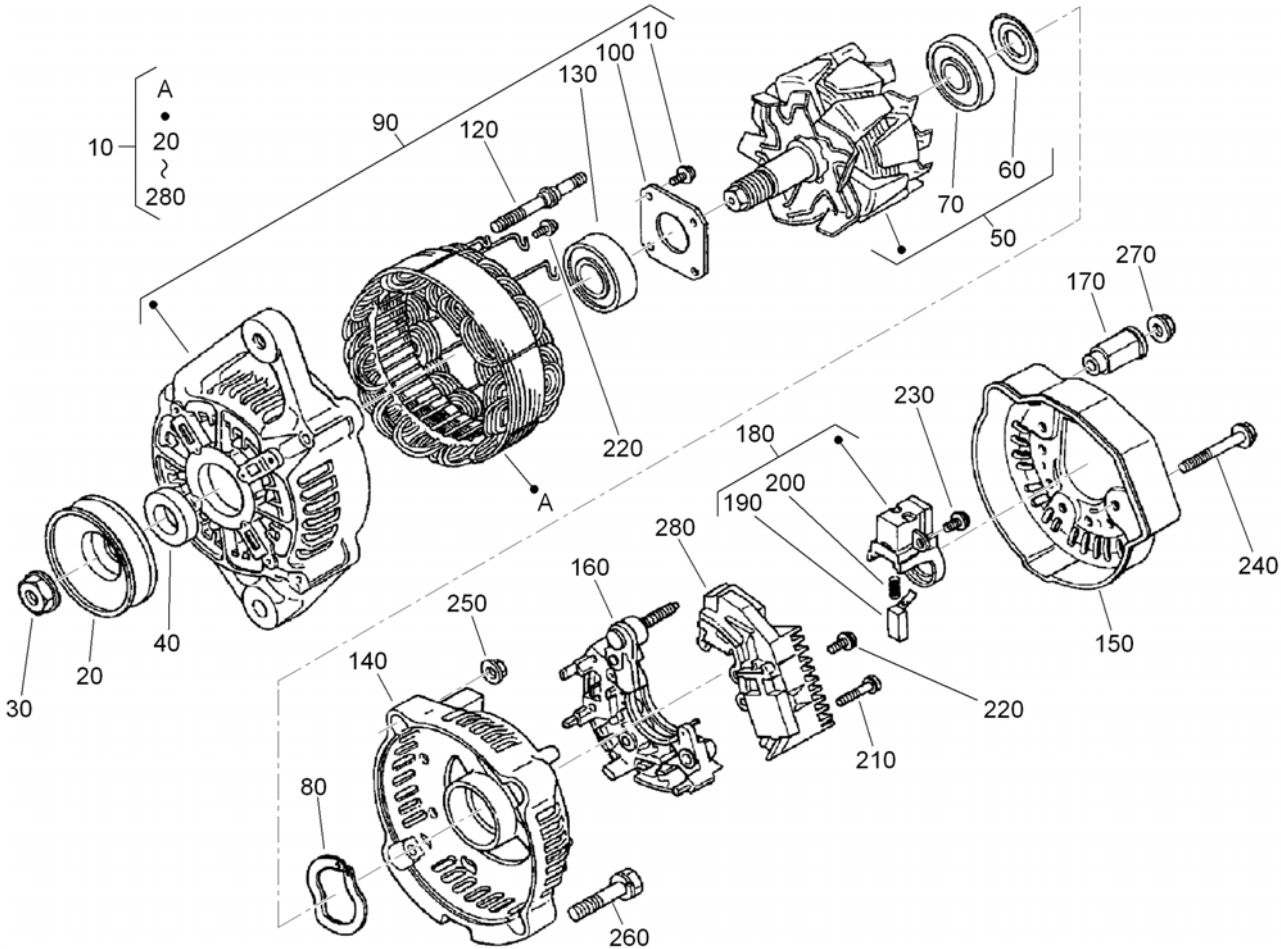
Nozzle Holder Assembly

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



Alternator and Pulley Assembly

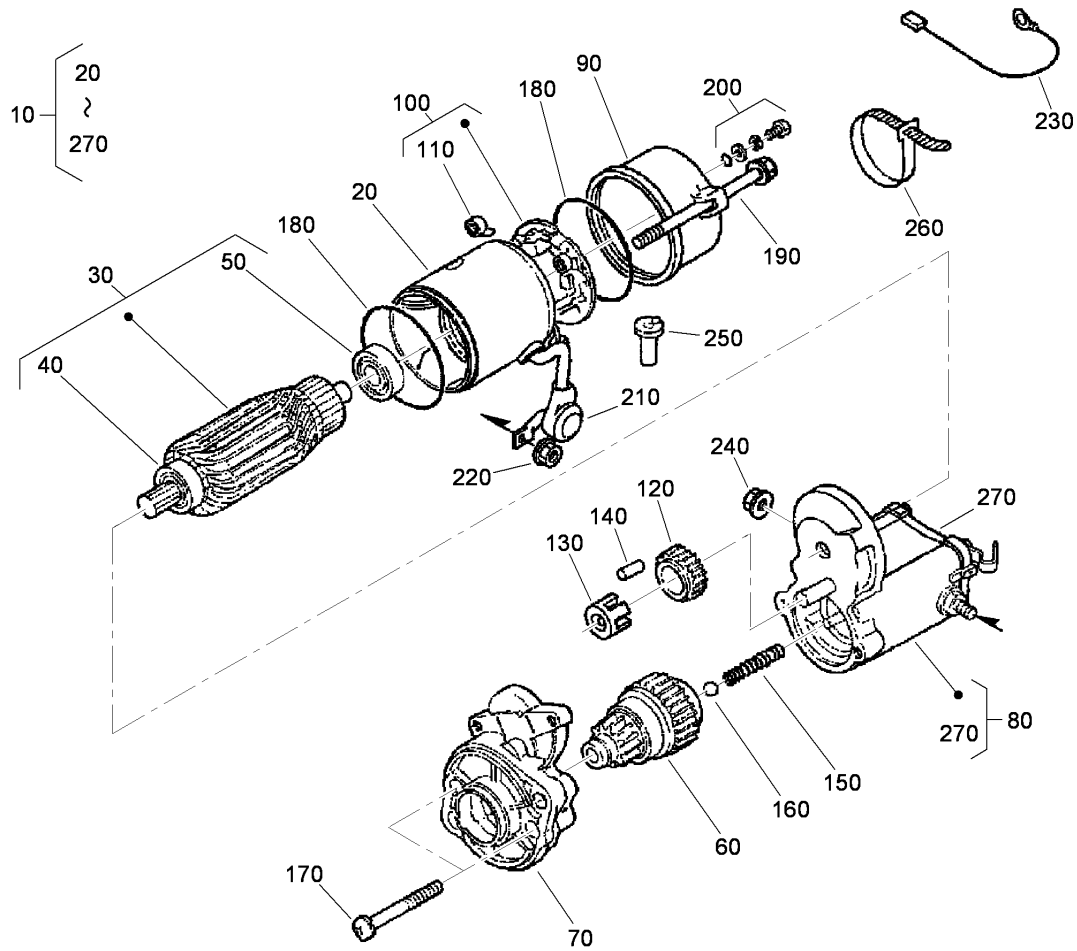
Ref	Part No.	Qty.	Description				
10	98-9474	1	Alternator ASM				
20	112-7047	1	Stay-Dynamo				
30	108-7088	1	Bolt				
40	98-9360	1	Bolt				
50	98-7737	1	Nut				
60	98-9366	1	Washer-Plain				
70	98-7738	1	Washer-Spring				
90	98-7692	1	Bolt				
100	99-3456	1	Pulley-Drive, Fan				
110	98-9585	1	Bolt				
120	98-9676	1	V-Belt				
130	104-4246	1	Fan-Engine				
140	98-9584	1	Pulley-Fan				
150	108-2872	1	Collar-Fan				
160	108-2873	4	Bolt-Flange				



Alternator Components Assembly

Ref	Part No.	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, Round
120	98-7717	2	Bolt-Through
130	107-0137	1	Bearing-Ball
140	107-9087	1	Frame-End
150	107-0140	1	Cover-End
160	98-7721	1	Rectifier ASM
170	98-7722	1	Bushing-Insulation
180	107-0141	1	Holder-Brush
190	98-7724	2	Brush
200	98-7725	2	Spring-Brush
210	98-7726	2	Screw-Head, Round
220	98-7727	6	Screw-Head, Round
230	98-7728	1	Screw-Head, Round
240	98-7729	3	Bolt

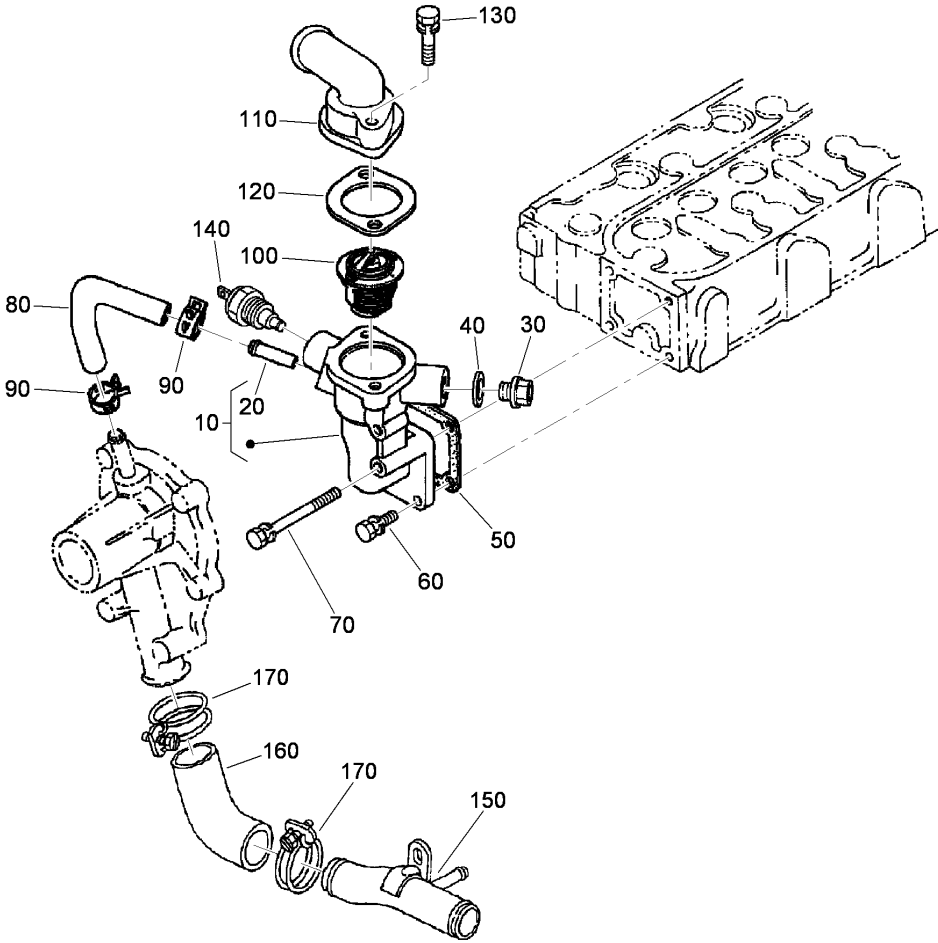
Ref	Part No.	Qty.	Description
250	98-7730	2	Nut
260	98-7731	2	Bolt
270	98-7732	1	Nut
280	110-3799	1	Regulator ASM



Starter Components

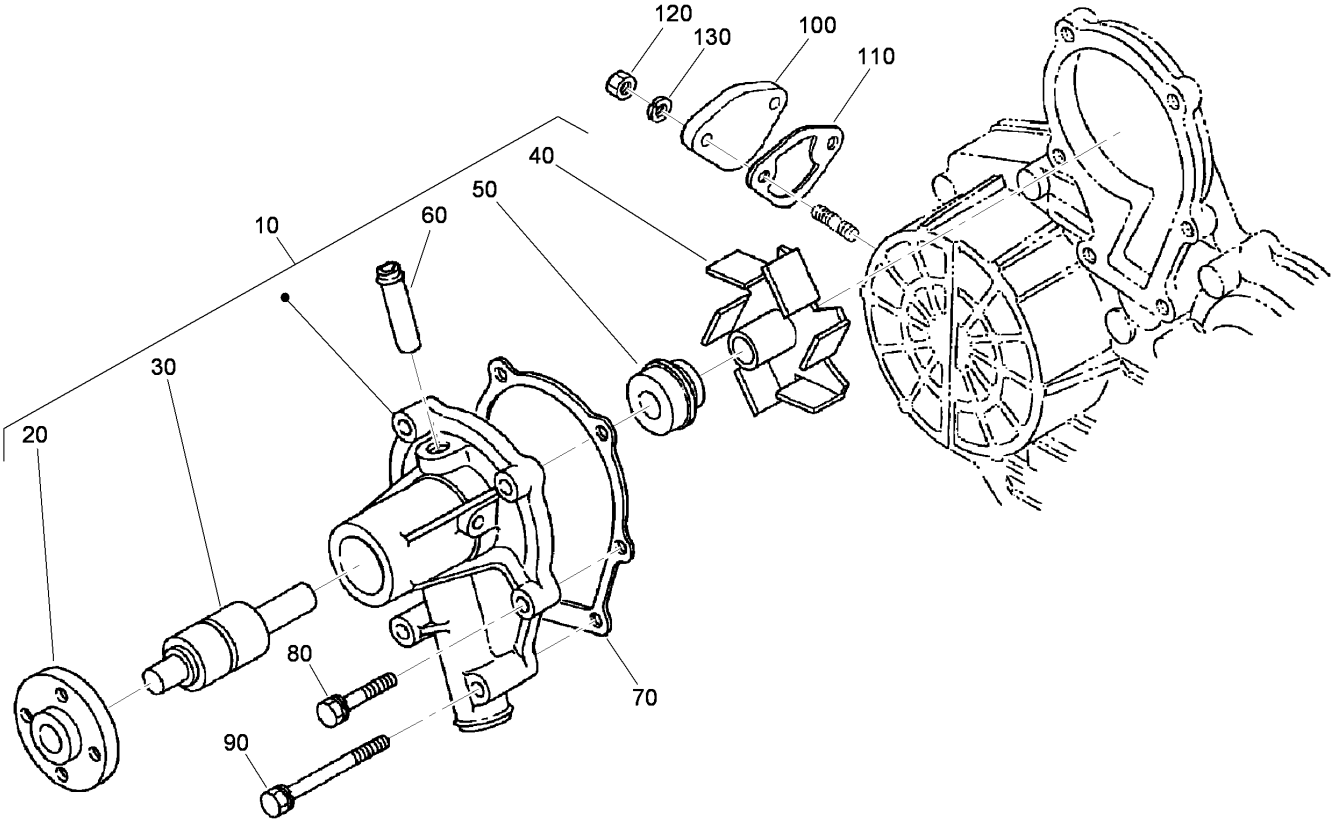
Ref	Part No.	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	98-7750	4	Spring-Brush
120	98-7751	1	Gear
130	98-7752	1	Retainer
140	98-7753	5	Roller
150	98-7754	1	Spring
160	98-7755	1	Ball
170	98-7756	2	Bolt
180	98-7757	2	O-Ring
190	100-9240	2	Bolt
200	98-7758	2	Bolt ASM
210	99-8375	1	Cover
220	99-8371	1	Nut-Hex
230	98-9711	1	Cord-Solenoid, Stop
240	99-8376	1	Nut-Hex

Ref	Part No.	Qty.	Description
250	98-7759	1	Pipe-Drain
260	98-9712	1	Band-Cover
270	105-2886	1	Cover ASM



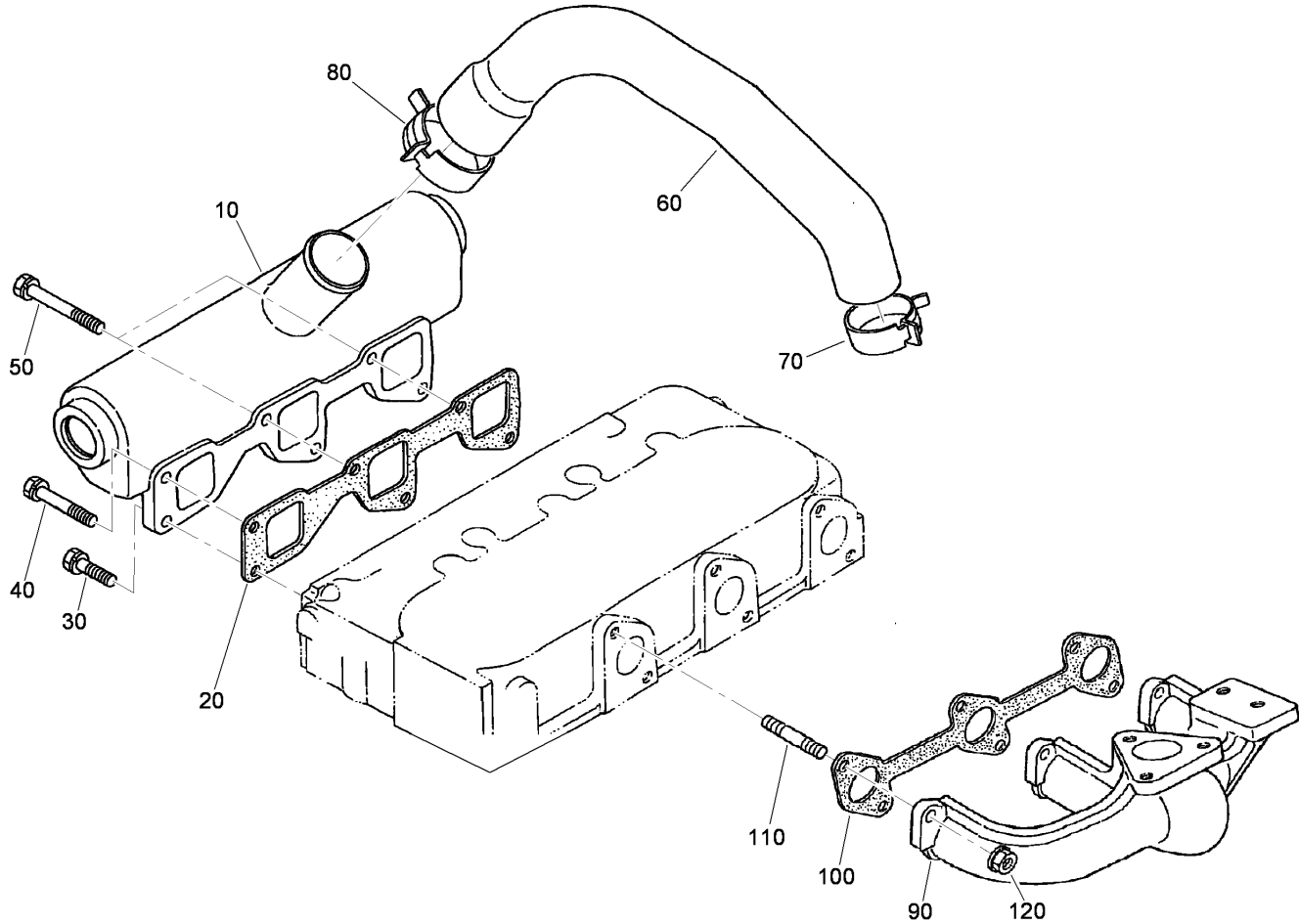
Water Flange and Thermostat Assembly

Ref	Part No.	Qty.	Description				
10	98-9713	1	Water Flange ASM				
20	98-9580	1	Pipe-Return, Water				
30	105-3747	1	Plug				
40	99-3583	1	Packing				
50	98-9638	1	Gasket-Flange, Water				
60	98-7692	3	Bolt				
70	98-9356	1	Bolt				
80	98-9578	1	Pipe-Return, Water				
90	98-9579	2	Band-Pipe				
100	98-7778	1	Thermostat ASM				
110	104-4804	1	Outlet-Water				
120	105-3748	1	Gasket-Thermostat				
130	98-7777	2	Bolt				
140	98-9719	1	Thermoswitch				
150	99-8379	1	Pipe-Water				
160	107-9091	1	Pipe-Water				
170	98-9717	2	Clamp				



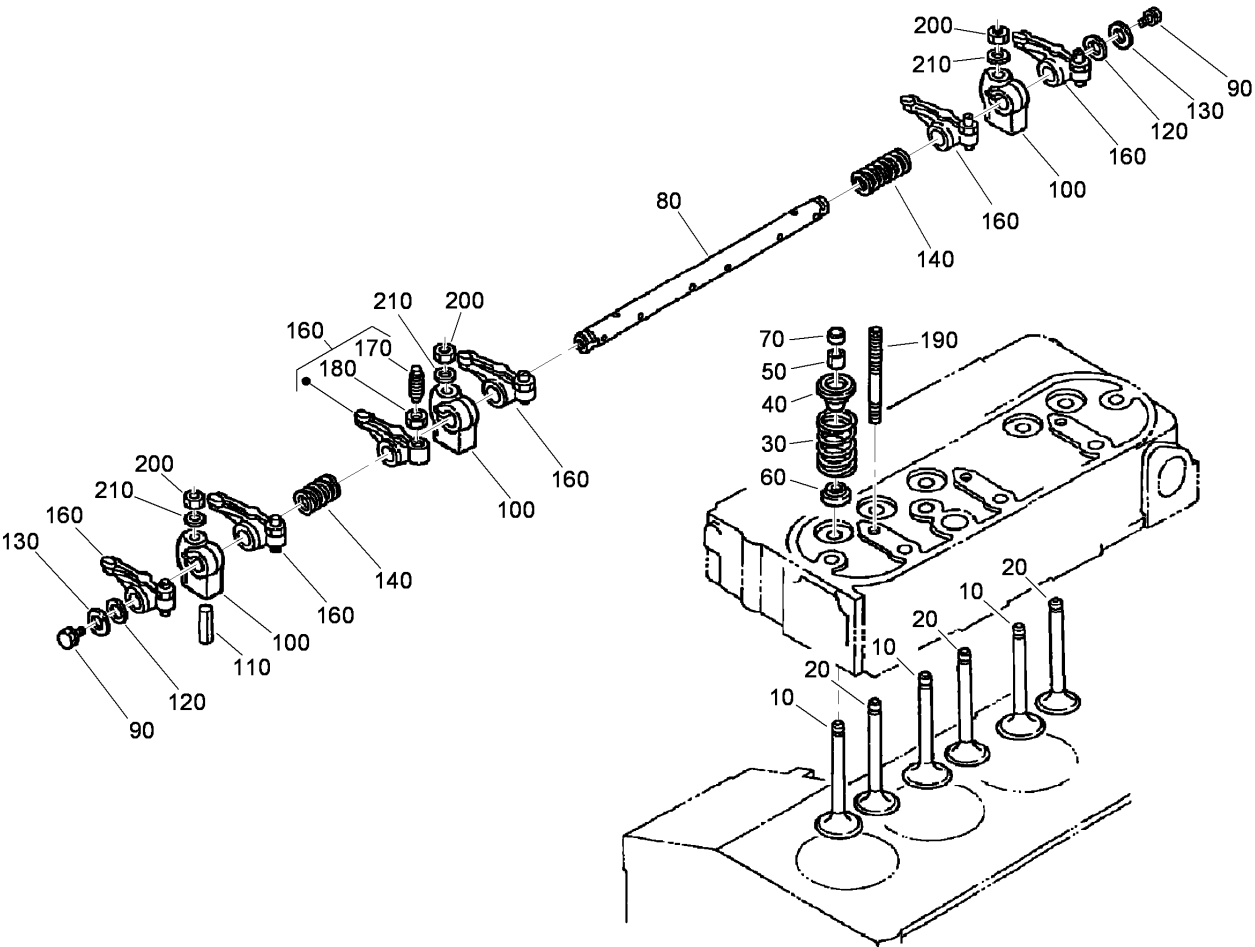
Water Pump and Fuel Pump Cover Assembly

Ref	Part No.	Qty.	Description				
10	107-9089	1	Water Pump ASM				
20	99-3516	1	Flange-Pump, Water				
30	99-3517	1	Bearing-Pump, Water				
40	105-3750	1	Mechanical Seal ASM				
50	112-7017	1	Impeller-Pump, Water				
60	100-1932	1	Pipe-Return, Water				
70	99-3454	1	Gasket-Pump, Water				
80	98-9353	4	Bolt				
90	98-9357	2	Bolt				
100	99-3514	1	Cover				
110	98-9636	1	Gasket-Pump, Fuel				
120	98-7572	2	Nut				
130	98-7699	2	Washer-Spring				



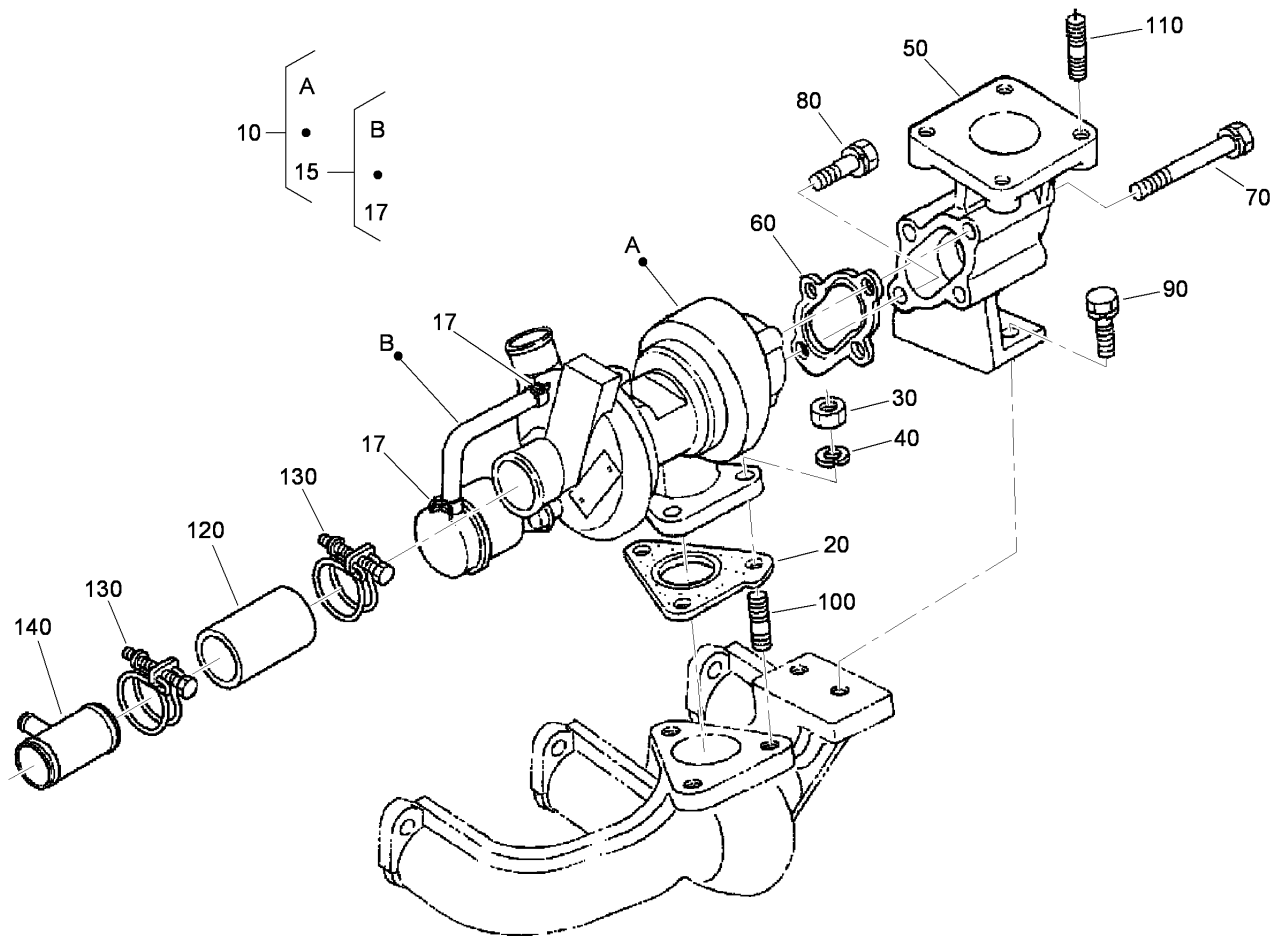
Inlet and Exhaust Manifold Assembly

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



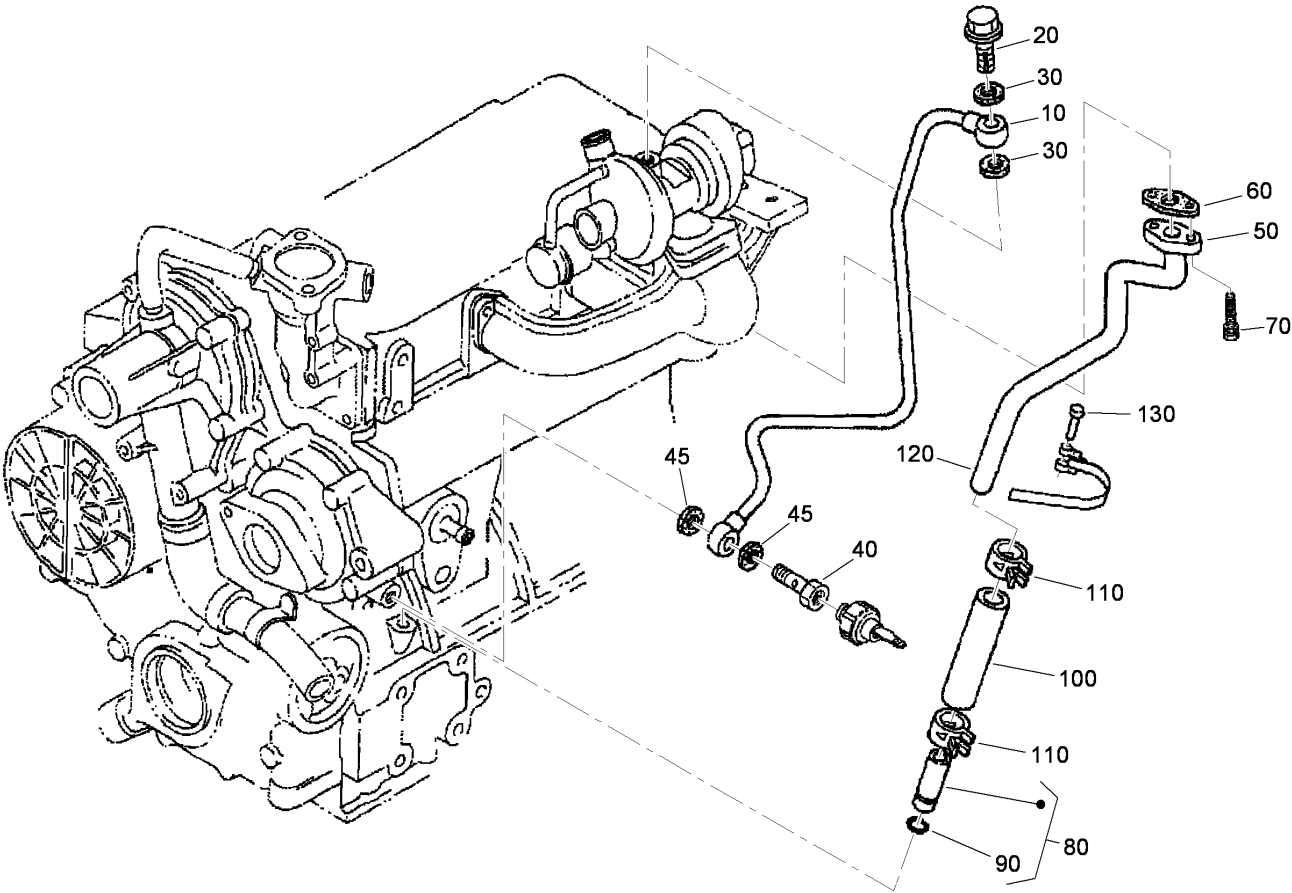
Valve and Rocker Arm Assembly

Ref	Part No.	Qty.	Description				
10	112-7018	3	Valve-Inlet				
20	112-7019	3	Valve-Exhaust				
30	98-9626	6	Spring-Valve				
40	107-9092	6	Retainer-Spring				
50	98-9390	6	Collet-Set, Valve Spring				
60	99-8385	6	Seat-Stem, Valve				
70	98-9497	6	Cap-Valve				
80	105-3790	1	R-Arm Shaft ASM				
90	100-9265	2	Bolt				
100	98-9505	3	Bracket-Arm, Rocker				
110	105-3758	1	Pin-Spring				
120	98-9507	2	Washer-Shaft, R-Arm				
130	110-3832	2	Washer-Plain				
140	98-9504	2	Spring-Arm, Rocker				
160	112-7020	6	Rocker Arm ASM				
170	98-9502	6	Screw-Adjusting				
180	98-9503	6	Nut				
190	98-9506	3	Stud				
200	98-9393	3	Nut				
210	98-9385	3	Washer-Flat				



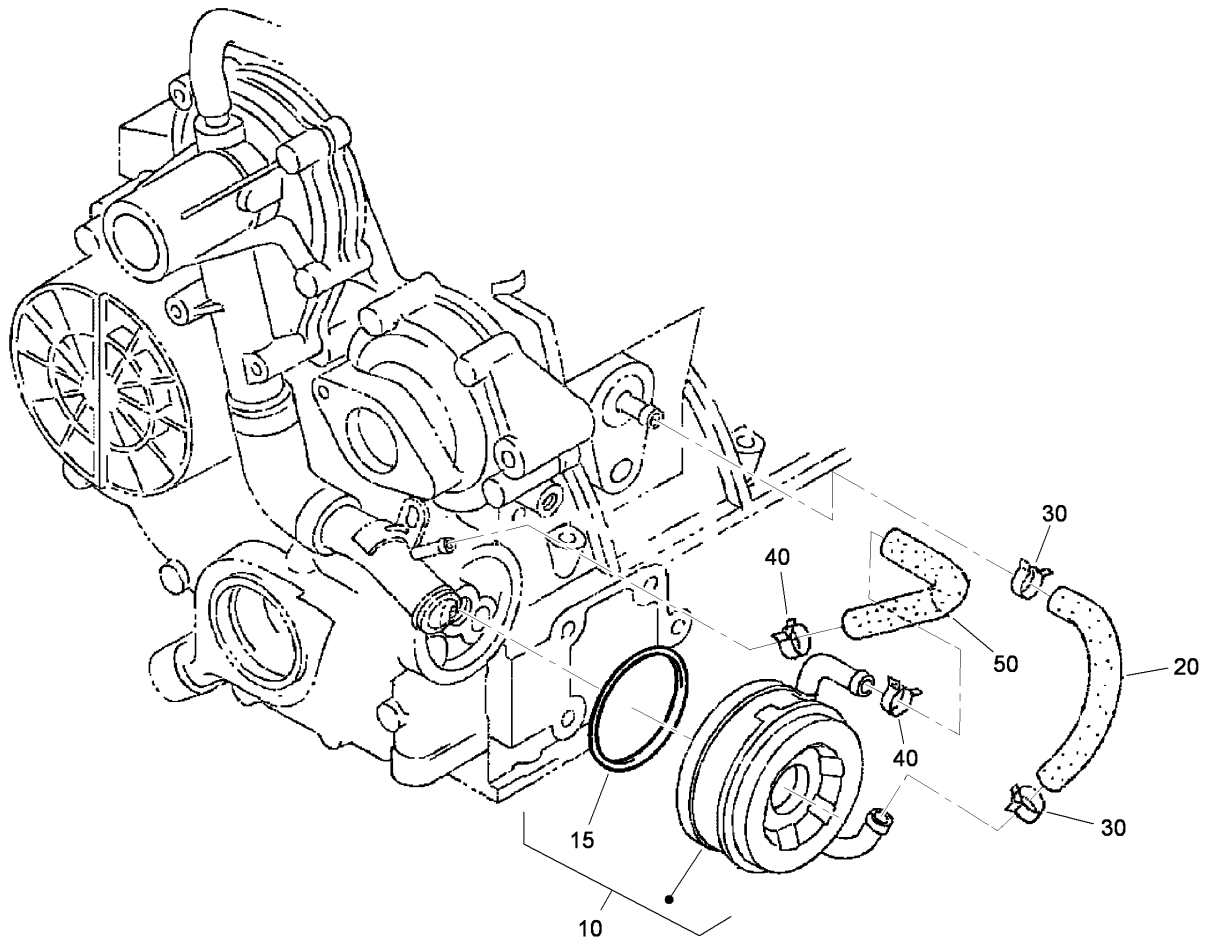
Turbo Charger Assembly

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



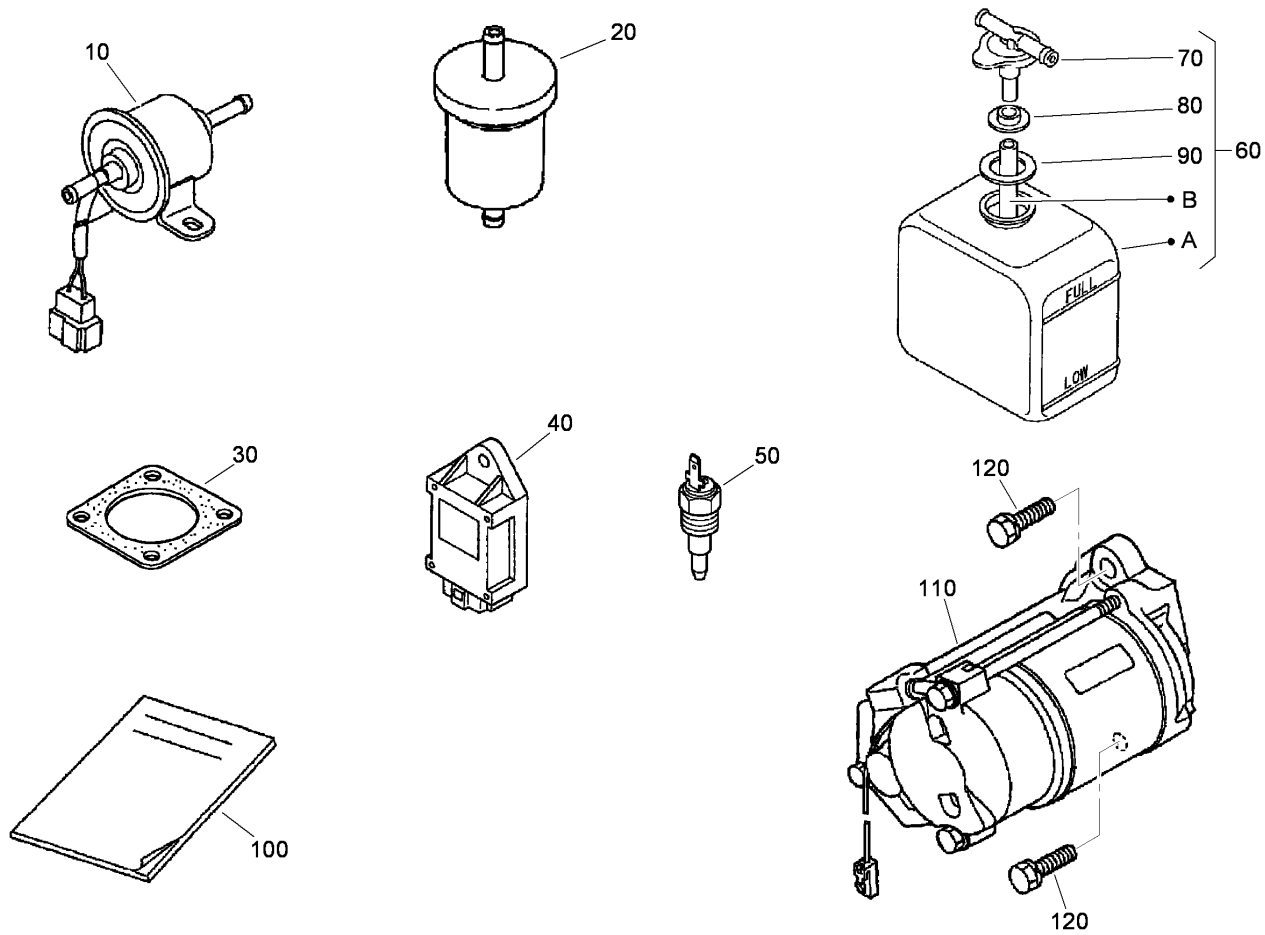
Oil Pipe (Turbo Charger) Assembly

Ref	Part No.	Qty.	Description				
10	98-9419	1	Oil Pipe ASM				
20	115-4126	1	Bolt-Joint, Eye				
30	99-8346	2	Gasket				
40	98-9417	1	Bolt-Joint, Eye				
45	99-8346	2	Gasket				
50	98-9461	1	Pipe Line ASM				
60	108-4422	1	Gasket				
70	98-7605	2	Bolt				
80	99-8383	1	Oil Pipe ASM				
90	98-9722	1	O-Ring				
100	98-9721	1	Pipe-Oil				
110	98-9714	2	Clamp-Hose				
120	98-9601	1	Clamp-Pipe				
130	98-9591	1	Pin-Band				



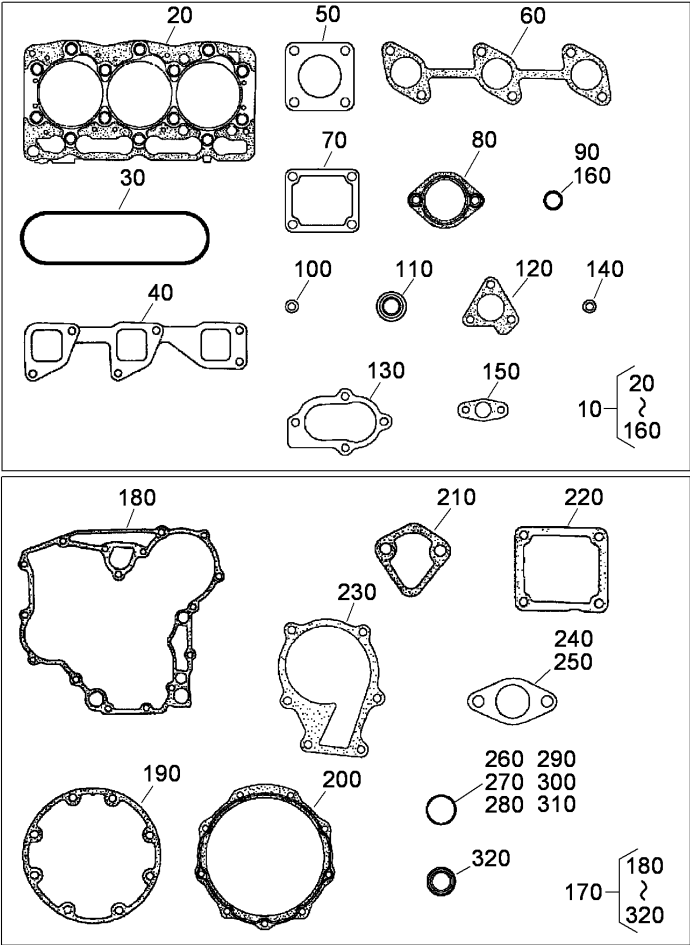
Oil Cooler Assembly

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



Starter, Overflow Bottle and Miscellaneous Engine Parts

Ref	Part No.	Qty.	Description				
10	107-0122	1	Pump-Fuel, Electric				
20	98-7612	1	Filter-Fuel				
30	98-9611	1	Gasket				
40	98-7611	1	Controller-Glow				
50	106-7772	1	Thermoswitch				
60	104-9318	1	Bottle-Overflow				
70	115-4132	1	Cap				
80	105-3755	1	Gasket				
90	105-3756	1	Plate				
100	115-4104	1	Operator Manual				
110	98-9705	1	Starter ASM				
120	98-7697	2	Bolt				



Upper and Lower Gasket Kits

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
10	108-1415	1	Upper Gasket Kit	●250	98-9682	1	Gasket
●20	108-6573	1	Gasket-Head, Cylinder	●260	105-3781	2	O-Ring
●30	98-9615	1	Gasket-Cover, Head	●270	105-3777	2	O-Ring
●40	99-8329	1	Gasket-Manifold, Intake	●280	105-3783	1	O-Ring
●50	99-8343	1	Gasket-Muffler	●290	105-3776	1	O-Ring
●60	99-8327	1	Gasket-Manifold, Exhaust	●300	98-9729	1	O-Ring
●70	98-9638	1	Gasket-Flange, Water	●310	105-3788	1	O-Ring
●80	105-3748	1	Gasket-Thermostat	●320	98-7601	1	Seal-Oil
●90	99-3446	1	O-Ring				
●100	98-9454	3	Gasket				
●110	99-8385	6	Seat-Stem, Valve				
●120	105-3767	1	Gasket				
●130	105-3768	1	Gasket				
●140	99-8346	4	Gasket				
●150	108-4422	1	Gasket				
●160	98-9722	1	O-Ring				
170	112-7041	1	Lower Gasket Kit				
●180	98-9633	1	Gasket-Case, Gear				
●190	98-9634	1	Gasket-Case, Bearing				
●200	112-7037	1	Gasket-Cover, Case				
●210	98-9636	1	Gasket-Pump, Fuel				
●220	98-9637	1	Gasket				
●230	98-9632	1	Gasket-Pump, Water				
●240	98-9683	1	Gasket-Cover, Solenoid				

Attachments and Accessories

For 30826 - Groundsmaster 3505-D

Product Name	Model/Part
Blade-Lift, High	104-5183
Blade-Sail, Angle	105-9810-03
Blade-Atomic	107-0235-03
Blade-Combo	108-9026-03
27 Inch Rotary Cutting Unit	30834
Leaf Mulching Kit	30836

