



Groundsmaster® 3280-D 4-Wheel Drive

Model No. 30309 - 250000001 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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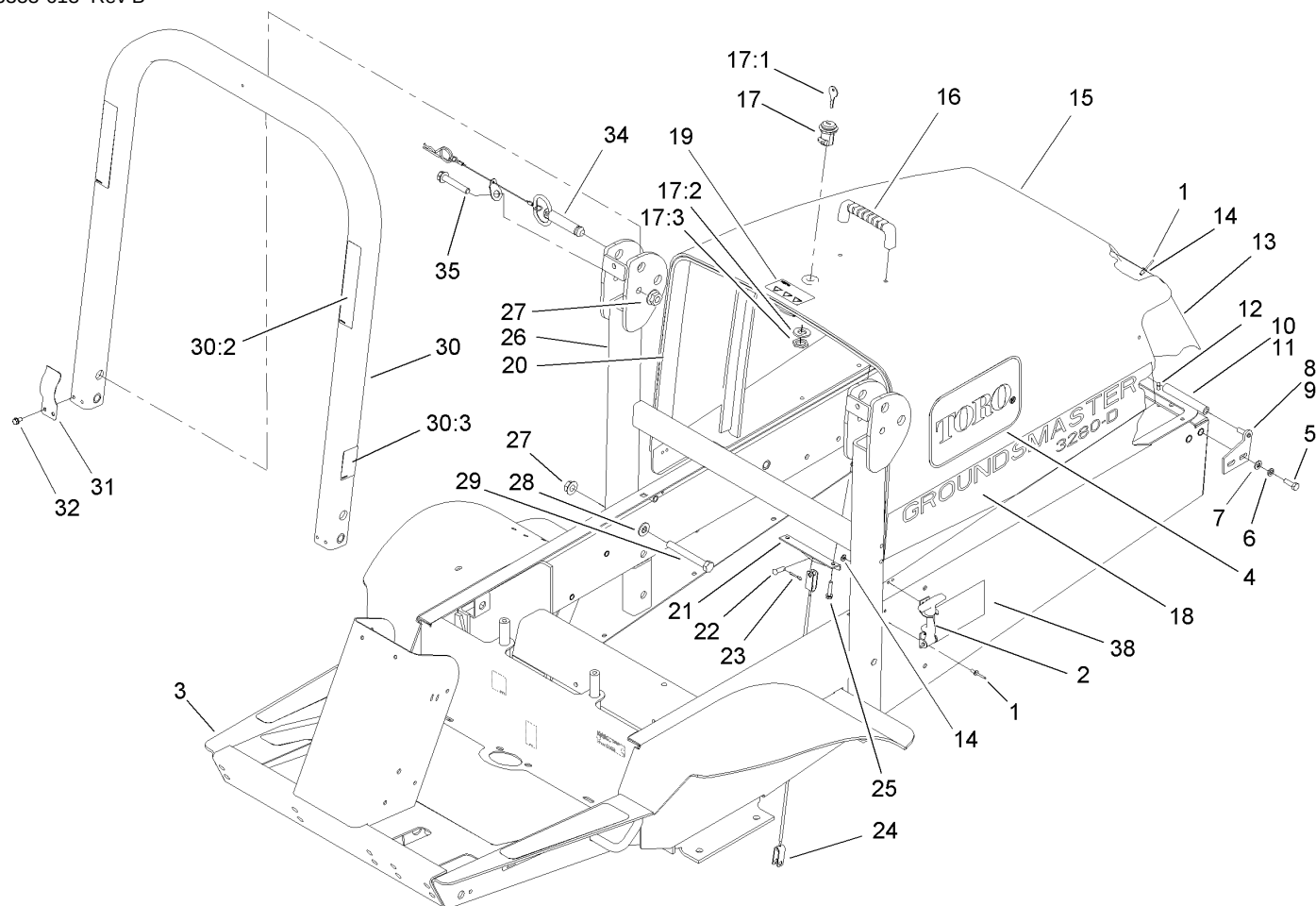
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR.	as required	INC.	incorporated
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
HF.	hex flange	PTH.	phillips truss head
HH.	hex head	PTO.	power-take-off
HHF.	hex head flange	RH.	right hand
HHFTF.	hex head flange thread forming	ROPS.	roll-over-protection-system
HJ.	hex jam	SFH.	slotted fillister head
HLH.	hex lag head	SHH.	slotted hex head
HOC.	height-of-cut	SHWH.	slotted hex washer head
HSBH.	hex socket button head	SPH.	slotted pan head
HSFH.	hex socket flat head	SQH.	square head
HSH.	hex socket head	SRH.	slotted round head
HWH.	hex washer head	STD.	standard
HWHTF.	hex washer head thread forming	TAP.	self tapping
HYD.	hydraulic	TTH.	torx truss head

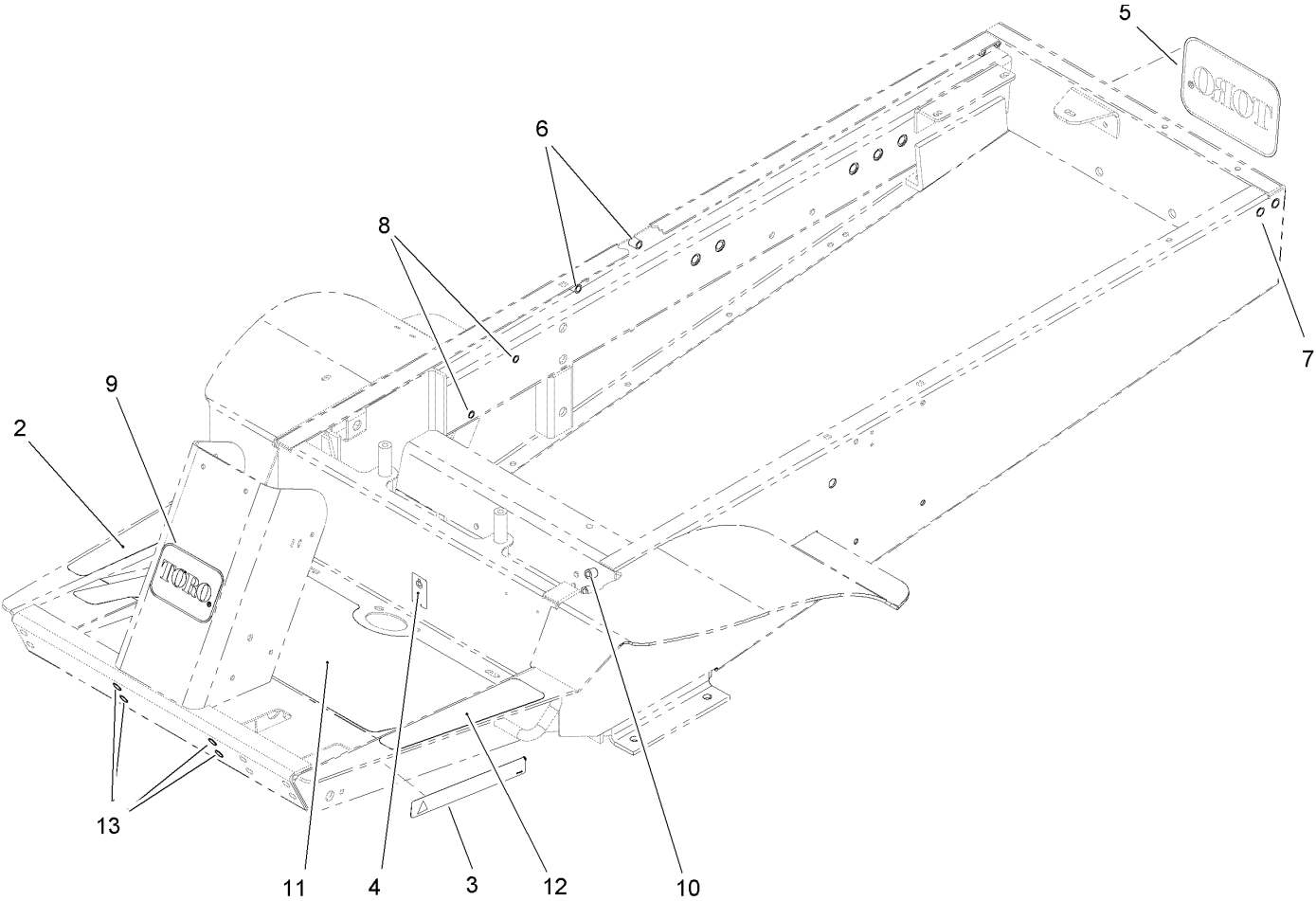
Footnotes

- ❶** Not illustrated
- ❷** Not serviced separately



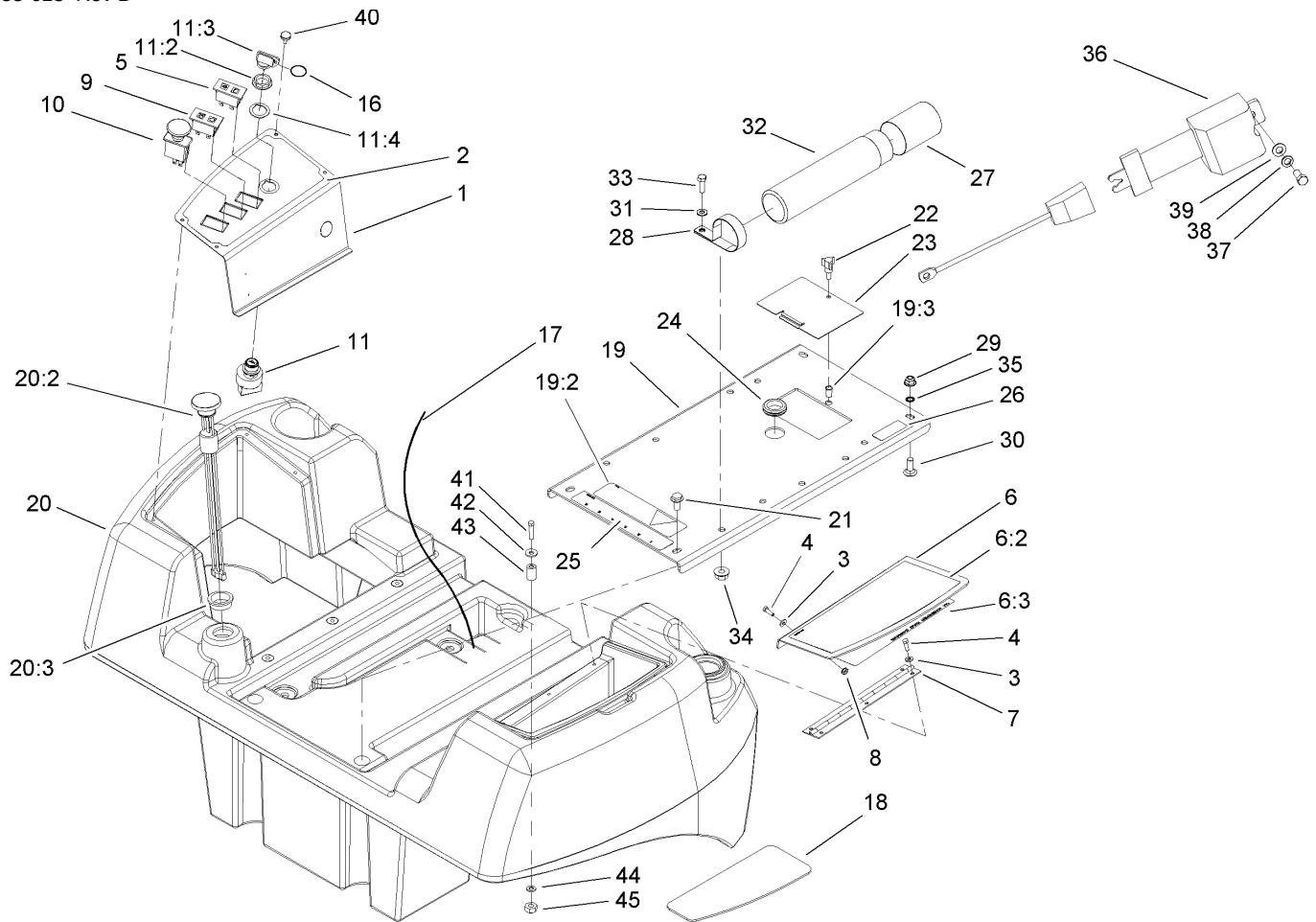
Frame and Hood Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	3269-4	18	Rivet-Pop	22	283-58	2	Pin-Clevis
2	95-6339	2	Latch	23	3272-10	2	Pin-Cotter
3	108-2010	1	Frame ASM	24	105-3650	1	Cable-Hood
4	66-6140	2	Decal	25	46-8092	2	Screw-Plastite
5	322-5	4	Screw-HH	26	108-2028-03	1	Lower ROPS ASM
6	3253-4	4	Washer-Lock	27	32128-23	6	Nut-HF
7	3256-23	4	Washer-Flat	28	3256-26	4	Washer-Flat
8	105-0003-01	1	RH Hinge Pin ASM	29	325-17	4	Screw-HH
9	105-0004-01	1	LH Hinge Pin ASM	30	108-2098	1	Upper Tube ASM
10	105-4278-03	1	LH Hood Hinge ASM	30:2	108-2073	2	Decal-Warning, ROPS Seat Belt
11	105-4277-03	1	RH Hood Hinge ASM	30:3	108-2074	1	Decal-ROPS
12	3290-412	12	Rivet	31	106-9692	2	Spring-Leaf
13	105-0006-03	1	Screen-Hood	32	32144-4	4	Screw-HWH
14	3256-14	14	Washer-Flat	34	103-4553	2	ROPS Fold Pin ASM
15	104-3485	1	Hood	35	325-13	2	Screw-HH
16	65-5100	1	Handle-Door	38	94-8099	2	Decal
17	98-9315	1	Latch-Locking				
17:1	99-8350	2	Key-Latch, Locking				
17:2		1	Washer-Switch				
17:3		1	Nut-Switch				
18	108-2067	2	Decal				
19	106-6754	1	Decal-Danger				
20	105-3651	1	Strip-Foam				
21	105-0088-03	1	Bracket-Cable, Hood				



Frame Assembly No. 108-2010

Ref	Part No.	Qty.	Description				
2	93-7834	1	Decal-Footrest, RH				
3	106-9206	2	Decal-Torque, Wheel				
4	93-6686	1	Decal-Oil, HYD				
5	62-7400	1	Decal				
6	32148-9	2	Insert-Nut				
7	32148-7	4	Insert-Nut				
8	32148-11	2	Insert-Threaded				
9	67-1300	1	Decal				
10	32148-8	4	Insert-Threaded				
11	105-7160	1	Pad-Floor				
12	66-3200	1	Tread-Footrest, LH				
13	32148-10	4	Insert-Threaded				



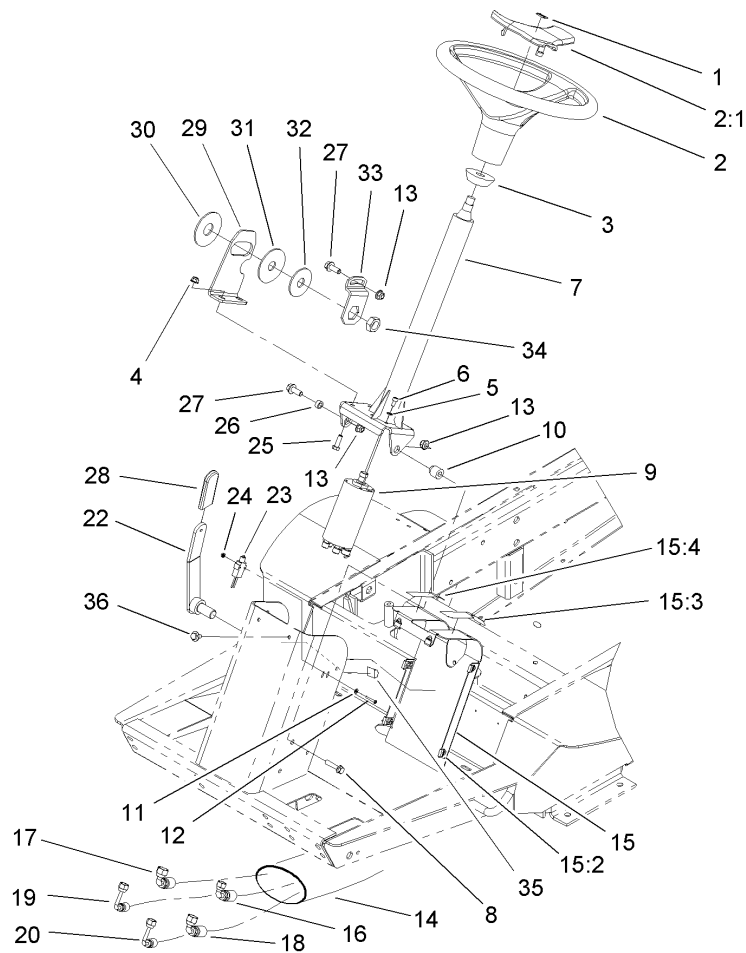
Fuel Tank and Control Panel Assembly

Ref	Part No.	Qty.	Description
1	108-2017-03	1	Plate-Panel, Control
2	108-2018	1	Decal-Panel, Control
3	3256-77	6	Washer-Flat
4	9601404	6	Screw-Hex, Machine
5	100-8070	1	Lamp-Warning
6	108-6581	1	Cover ASM
6:2	108-6585	1	Decal-Danger
6:3	108-6583	1	Decal-Service
7	108-2024	1	Hinge
8	32149-8	3	Nut-Keps
9	100-8071	1	Lamp-Warning
10	93-9999	1	Switch-PTO
11	106-5269	1	Ignition Switch ASM
11:2	108-8660	1	Nut-Mounting
11:3	106-5270	1	Key Set-Ignition
11:4	108-8659	1	Washer-Backup
16	98-9321	1	Ring-Key
17	108-8657	1	Harness-Wire, Seat
18	108-2013	1	Pad-Rubber
19	108-6580	1	Seat Plate ASM
19:2	93-7841	1	Decal-Warning, Global
19:3	32148-6	1	Insert-Nut
20	108-6596	1	Fuel Tank ASM
20:2	108-2025	1	Gauge-Fuel

Ref	Part No.	Qty.	Description
20:3	95-8972	1	Grommet
21	3234-1	2	Screw-HHF
22	233-70	1	Knob-Star, Three
23	108-2027-03	1	Cover-Bypass
24	240-5	1	Grommet
25	105-2511	1	Decal-Instructions, Starting
26	93-6680	1	Decal-Diesel
27	104-7048	1	Cap-Housing
28	2412-133	2	R-Clamp
29	104-8301	2	Nut-Flange, NI
30	3231-2	2	Screw-CARR
31	3256-23	2	Washer-Flat
32	104-7050	1	Housing-Manual
33	322-5	2	Screw-HH
34	32128-20	2	Nut-HF
35	32151-72	2	Ring-Retaining
36	100-4928	1	Belt-Seat
37	3212-4	2	Screw-HH
38	3253-6	2	Washer-Lock
39	3256-25	2	Washer-Flat
40	108-8689	4	Screw-Thumb
41	321-9	1	Screw-HH
42	3256-55	1	Washer-Flat
43	108-9688	1	Spacer

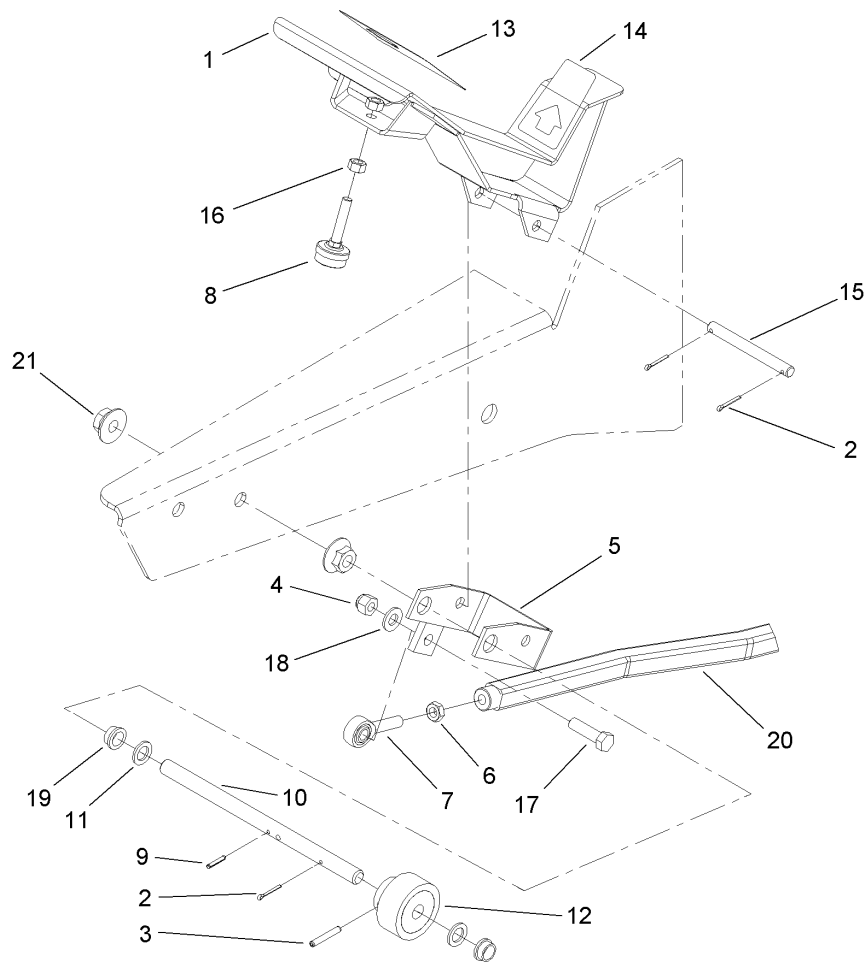


Ref	Part No.	Qty.	Description
44	3256-1	1	Washer-Flat
45	3296-42	1	Nut-Lock, NI



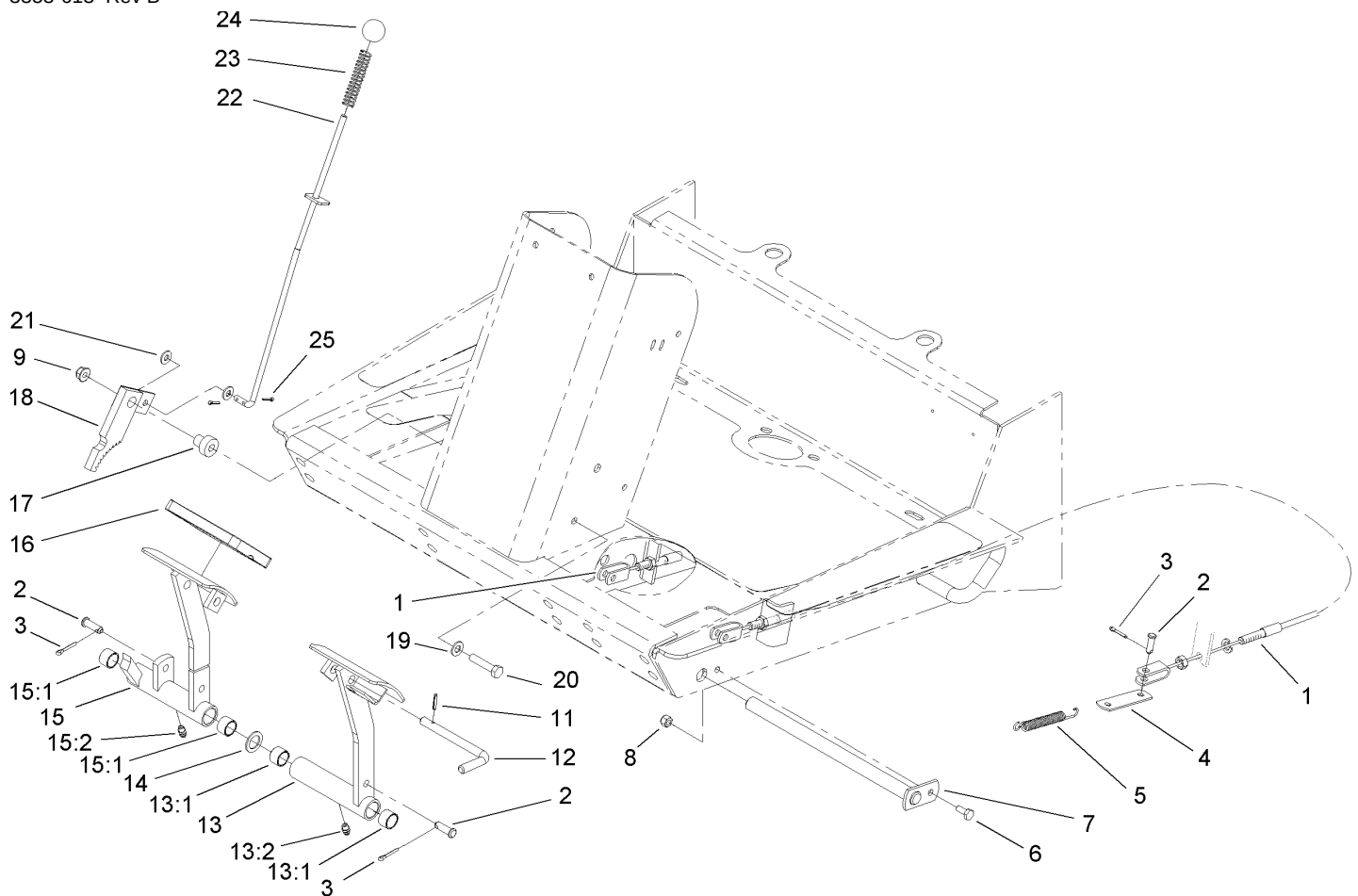
Power Steering Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	98-1459	1	Decal	22	93-1353-03	1	Lever-Steering, Tilt
2	98-1471	1	Wheel-Steering	23	99-3410	1	Switch
2:1	98-1468	1	Cover-Wheel, Steering	24	32149-6	2	Nut-Keps
3	93-5429	1	Collar-Foam	25	322-5	2	Screw-HH
4	104-8300	2	Nut-Flange, NI	26	80-2960	1	Spacer-Tower
5	43-5930	4	Washer-Spring	27	3234-42	2	Screw-HHF
6	99-7202	4	Screw	28	21-1880	1	Grip-Handle
7	106-8098	1	Steering Column ASM	29	105-7181-03	1	Plate-Pivot
8	3234-18	1	Screw-HHF	30	31-0390	1	Disc-Friction
9	108-2077	1	Steering Valve ASM	31	82-9010	1	Disc-Friction
10	105-7166	1	Spacer	32	80-2930	1	Washer-Flat
11	3256-53	2	Washer-Flat	33	80-2880	1	Bracket-Tilt
12	3250-35	2	Screw-PPH	34	3218-7	1	Nut-Jam
13	104-8301	3	Nut-Flange, NI	35	105-7188	2	Clamp-Adhesive Backed
14	44-8530	1	Protector-Sleeve	36	3250-32	6	Screw-PPH
15	105-7180	1	Tower Panel ASM				
15:2	105-7170	6	Nut-Retainer				
15:3	105-7179	1	Decal-Brake, Parking				
15:4	82-8940	1	Decal-Steering, Tilt				
16	108-2089	1	Hose ASM				
17	108-2081	1	Hose ASM				
18	108-2080	1	Hose ASM				
19	108-2084	1	Hose ASM				
20	108-2085	1	Hose ASM				



Traction Pedal Assembly

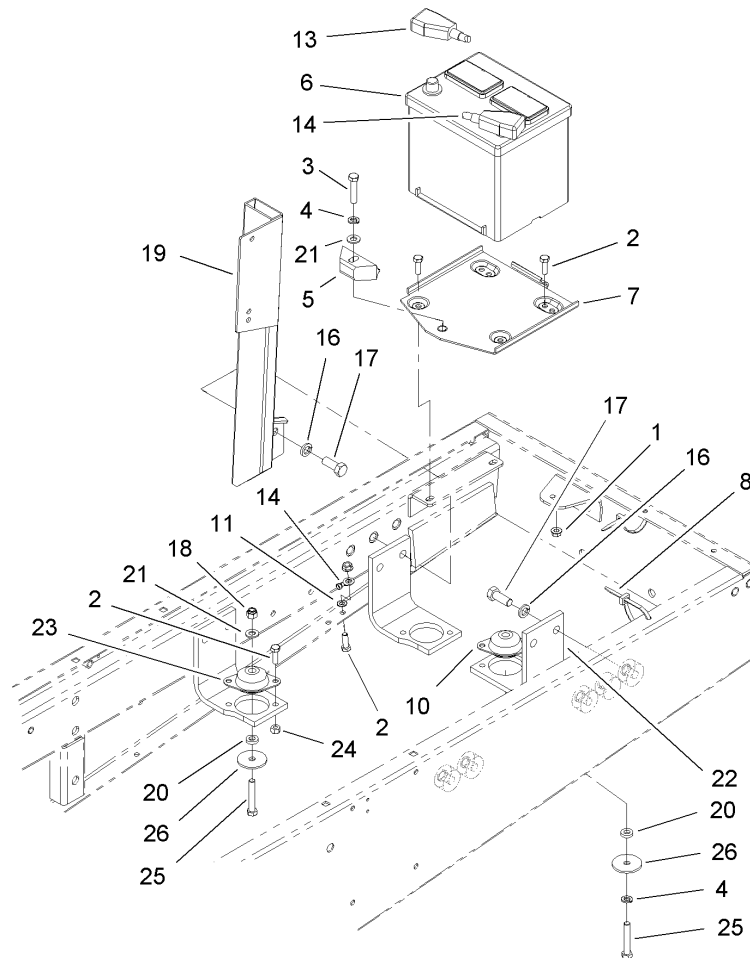
Ref	Part No.	Qty.	Description				
1	105-7150-03	1	Pedal ASM				
2	3272-6	3	Pin-Cotter				
3	32121-6	1	Pin-Roll, Slotted				
4	3296-39	1	Nut-Lock, NI				
5	92-8854-03	1	Bracket-Pivot				
6	3220-3	1	Nut-Hex, Jam				
7	2411-36	1	Bearing-End, Rod				
8	32141-36	1	Screw-Adjustment, Level				
9	32121-50	1	Pin-Spring				
10	92-5534	1	Shaft-Pedal, Traction				
11	5-7570	2	Washer-Flat				
12	28-5220	1	Friction Wheel ASM				
13	94-3307	1	Pad-Pedal, Traction				
14	94-3308	1	Pad-Pedal, Traction				
15	92-5537	1	Pin-Pedal, Traction				
16	3217-6	2	Nut-Hex				
17	323-29	1	Screw-HH				
18	3256-24	1	Washer-Flat				
19	256-156	2	Bushing-Flange				
20	108-8661-03	1	Traction Rod ASM				
21	32128-56	2	Nut-HF				



Brake Pedal Assembly

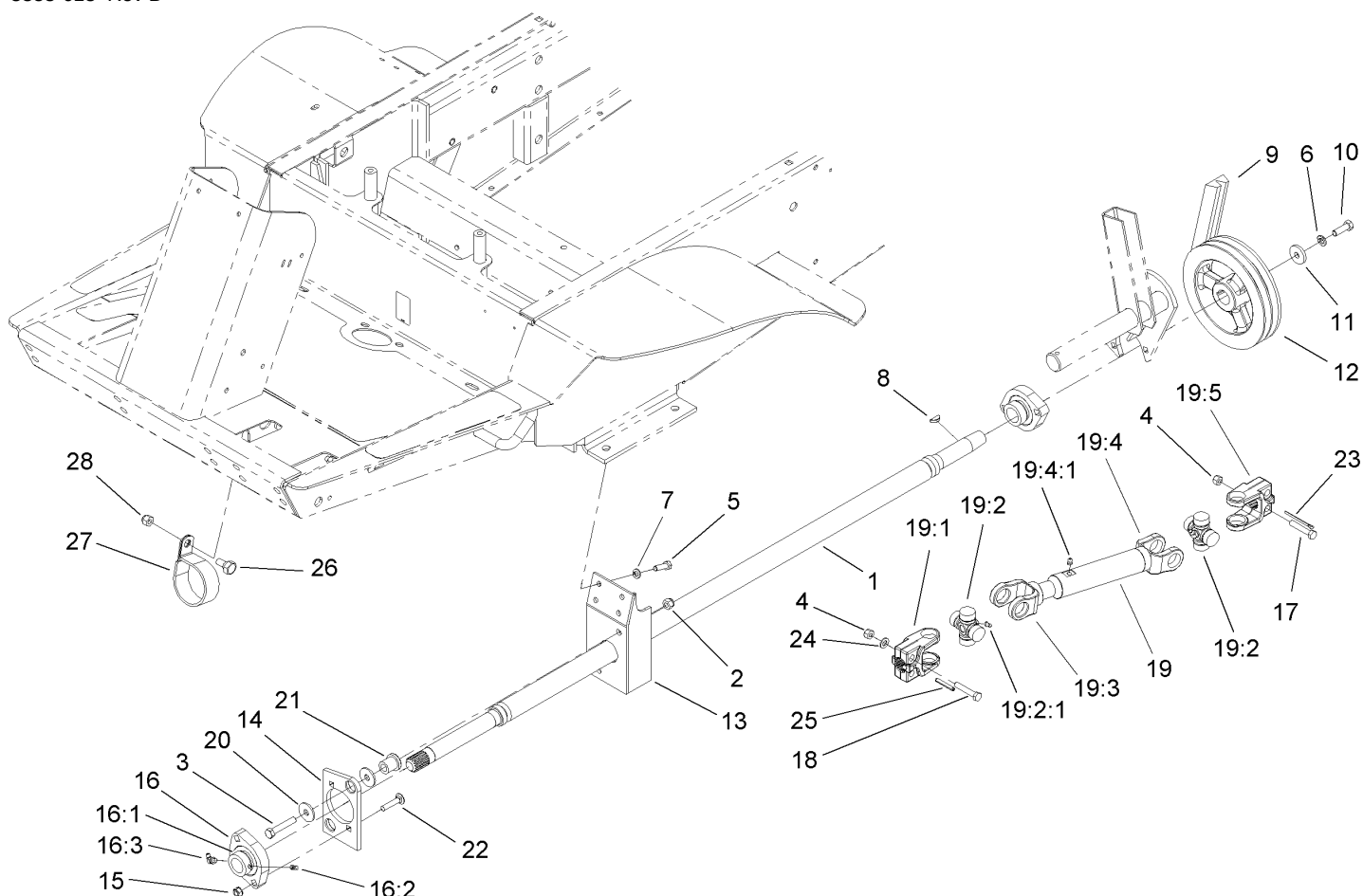
Ref	Part No.	Qty.	Description
1	108-6556	2	Cable-Brake
2	283-58	4	Pin-Clevis
3	3272-10	4	Pin-Cotter
4	63-6750	2	Link-Cable, Brake
5	3-7243	2	Spring-Extension
6	321-4	1	Screw-HH
7	63-6210-03	1	Pin-Brake
8	3296-42	1	Nut-Lock, NI
9	104-8300	1	Nut-Flange, NI
11	32121-50	1	Pin-Spring
12	63-7880	1	Pin-Latch, Brake
13	63-6180	1	Pedal-Brake, LH
13:1	256-42	2	Bushing
13:2	302-5	1	Fitting-Grease
14	3256-69	2	Washer-Flat
15	63-6190	1	Pedal-Brake, RH
15:1	256-42	2	Bushing
15:2	302-5	1	Fitting-Grease
16	93-8742	2	Footpad-Brake
17	105-7156	1	Spacer
18	63-7900-03	1	Rack ASM
19	3256-23	1	Washer-Flat
20	322-7	1	Screw-HH
21	3256-22	2	Washer-Flat

Ref	Part No.	Qty.	Description
22	105-7168	1	Rod ASM
23	71-8310	1	Spring-Compression
24	233-17	1	Knob
25	3272-5	2	Pin-Cotter



Battery and Engine Mount Assembly

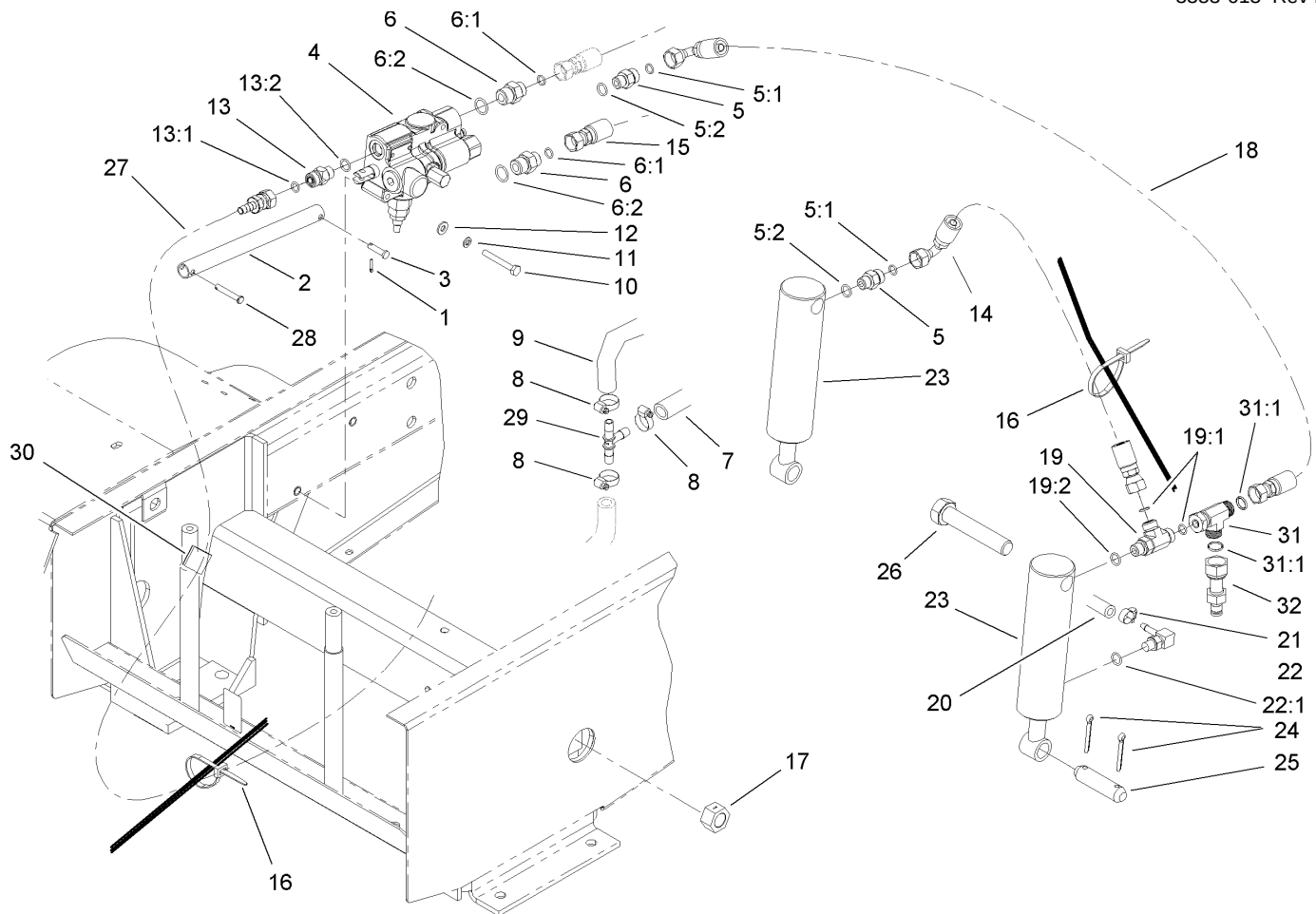
Ref	Part No.	Qty.	Description				
1	32128-20	4	Nut-HF				
2	322-5	12	Screw-HH				
3	323-9	1	Screw-HH				
4	3253-21	2	Washer-Lock				
5	66-2490	1	Retainer-Battery				
6	106-5187	1	Battery				
7	94-7343	1	Battery Base ASM				
8	3290-378	2	Tie-Cable				
10	63-7141	1	Mount-Shock, Engine				
11	3255-8	1	Washer-Lock				
13	104-0086	1	Cable-Battery, Positive				
14	105-0040	1	Cable-Battery, Negative				
16	3253-7	8	Washer-Lock				
17	3213-2	8	Screw-HH				
18	3296-39	3	Nut-Lock, NI				
19	105-2513-03	1	Air Cleaner Mount ASM				
20	80-7730	4	Spacer				
21	3256-24	4	Washer-Flat				
22	95-6271-03	4	Bracket-Mount, Engine				
23	63-7142	3	Mount-Shock, Engine				
24	3296-29	8	Nut-Lock, NI				
25	323-11	4	Screw-HH				
26	63-7400	4	Washer-Rebound				



Power-Take-Off and Shaft Assembly

Ref	Part No.	Qty.	Description
1	92-8855-03	1	Shaft-PTO
2	3296-39	2	Nut-Lock, NI
3	323-10	2	Screw-HH
4	3296-29	5	Nut-Lock, NI
5	322-5	4	Screw-HH
6	3253-21	1	Washer-Lock
7	3253-4	4	Washer-Lock
8	3257-5	1	Key-Woodruff
9	63-6240	1	V-Belt, PTO
10	323-18	1	Screw-HH
11	29-4730	1	Washer-Flat
12	43-5320-03	1	Pulley-PTO
13	92-8751-03	1	PTO Bearing Bracket ASM
14	84-7580	1	Plate-Support, Bushing
15	32149-1	2	Nut-Keps
16	92-8799	1	Bearing-Flange
16:1	251-77	1	Lockcollar-Bearing
16:2	3245-35	1	Screw-Hs
16:3	302-40	1	Fitting-Grease
17	322-9	4	Screw-HH
18	322-14	1	Screw-HH
19	108-1366	1	PTO Drive Shaft ASM
19:1	54-9040	1	Yoke-End
19:2	54-9180	2	U-Joint Kit

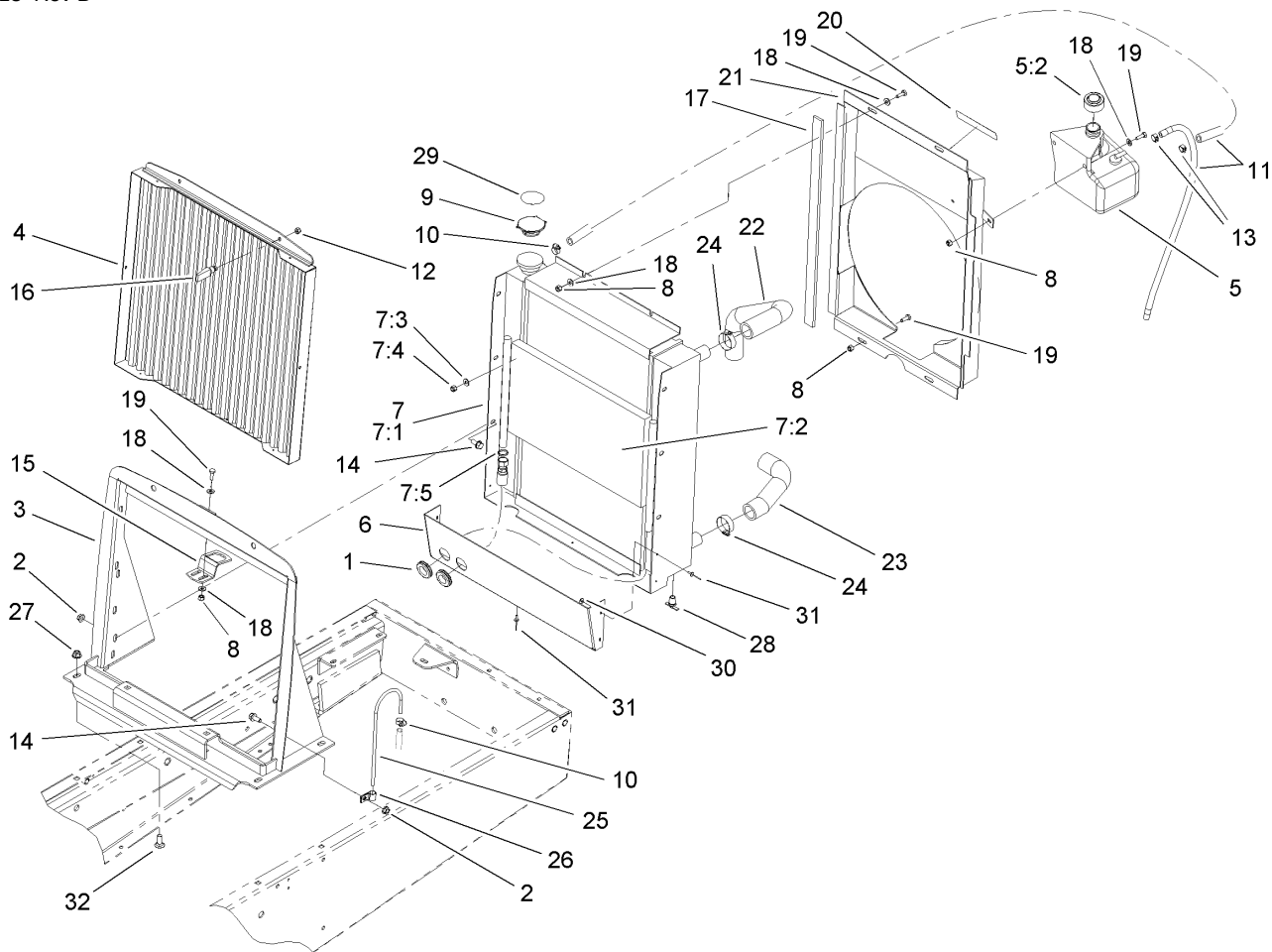
Ref	Part No.	Qty.	Description
19:2:1	62-3820	1	Fitting-Grease
19:3	108-6550	1	Shaft-Slip Yoke
19:4	108-6551	1	Tube-Slip Yoke
19:4:1	302-58	1	Fitting-Grease
19:5	54-9090	1	Yoke-End
20	63-8410	4	Washer
21	63-9750	2	Mount
22	3230-4	2	Screw-CARR
23	3272-15	1	Pin-Cotter
24	3256-23	1	Washer-Flat
25	32121-34	1	Pin-Roll
26	46-3380	1	Bolt-Shoulder
27	2412-102	1	R-Clamp
28	3296-39	1	Nut-Lock, NI



Hydraulic Cylinder and Lift Arm Assembly

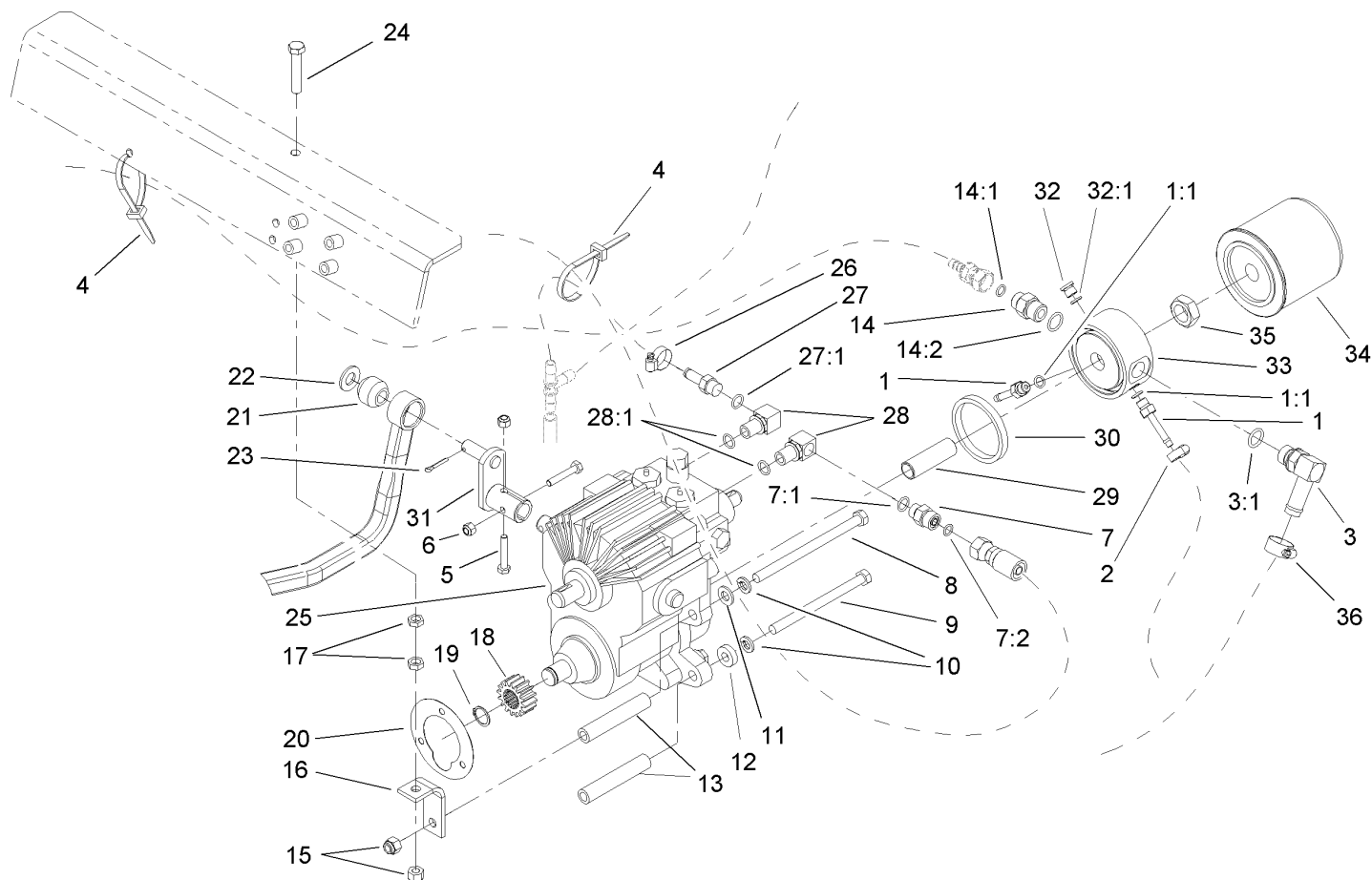
Ref	Part No.	Qty.	Description
1	3272-5	2	Pin-Cotter
2	108-2021-03	1	Tube-Link
3	283-26	1	Pin
4	108-2022	1	Control Valve ASM
④4:1	108-8690	1	Cartridge-Transfer, Weight
④4:2	108-8691	1	Pilot Check Kit
④4:3	108-8692	1	Spring Center Kit
④4:4	108-8693	1	Seal Kit
5	340-2	2	Fitting-HYD, Straight
5:1	237-22	1	O-Ring
5:2	237-42	1	O-Ring
6	340-3	2	Adapter
6:1	237-22	1	O-Ring
6:2	237-79	1	O-Ring
7	100-5641	1	Hose ASM
8	2412-36	3	Clamp-Hose
9	100-5649	1	Hose
10	321-11	2	Screw-HH
11	3253-3	2	Washer-Lock
12	3256-22	2	Washer-Flat
13	108-2093	1	Valve-Check
13:1	237-22	1	O-Ring
13:2	237-42	1	O-Ring
14	108-2083	1	Hose ASM

Ref	Part No.	Qty.	Description
15	108-2088	1	Hose ASM
16	3290-378	2	Tie-Cable
17	3296-51	2	Nut-Lock, NI
18	108-2082	1	Hose ASM
19	340-86	1	Fitting-HYD, Tee
19:1	237-22	2	O-Ring
19:2	237-42	1	O-Ring
20	92-5082	2	Hose-HYD
21	2412-108	2	Clamp-Worm
22	304-99	2	Stem-Hose
22:1	237-78	1	O-Ring
23	63-6630	2	Cylinder-HYD
24	3272-23	4	Pin-Cotter
25	27-4240	2	Pin-Cylinder
26	328-7	2	Screw-HH
27	108-2090	1	Hose ASM
28	283-66	1	Pin-Clevis
29	354-107	1	Fitting-HYD, Tee
30	105-7188	1	Clamp-Adhesive Backed
31	340-115	1	Fitting-Tee
31:1	237-22	2	O-Ring
32	86-5480	1	Nipple-Test



Radiator Assembly

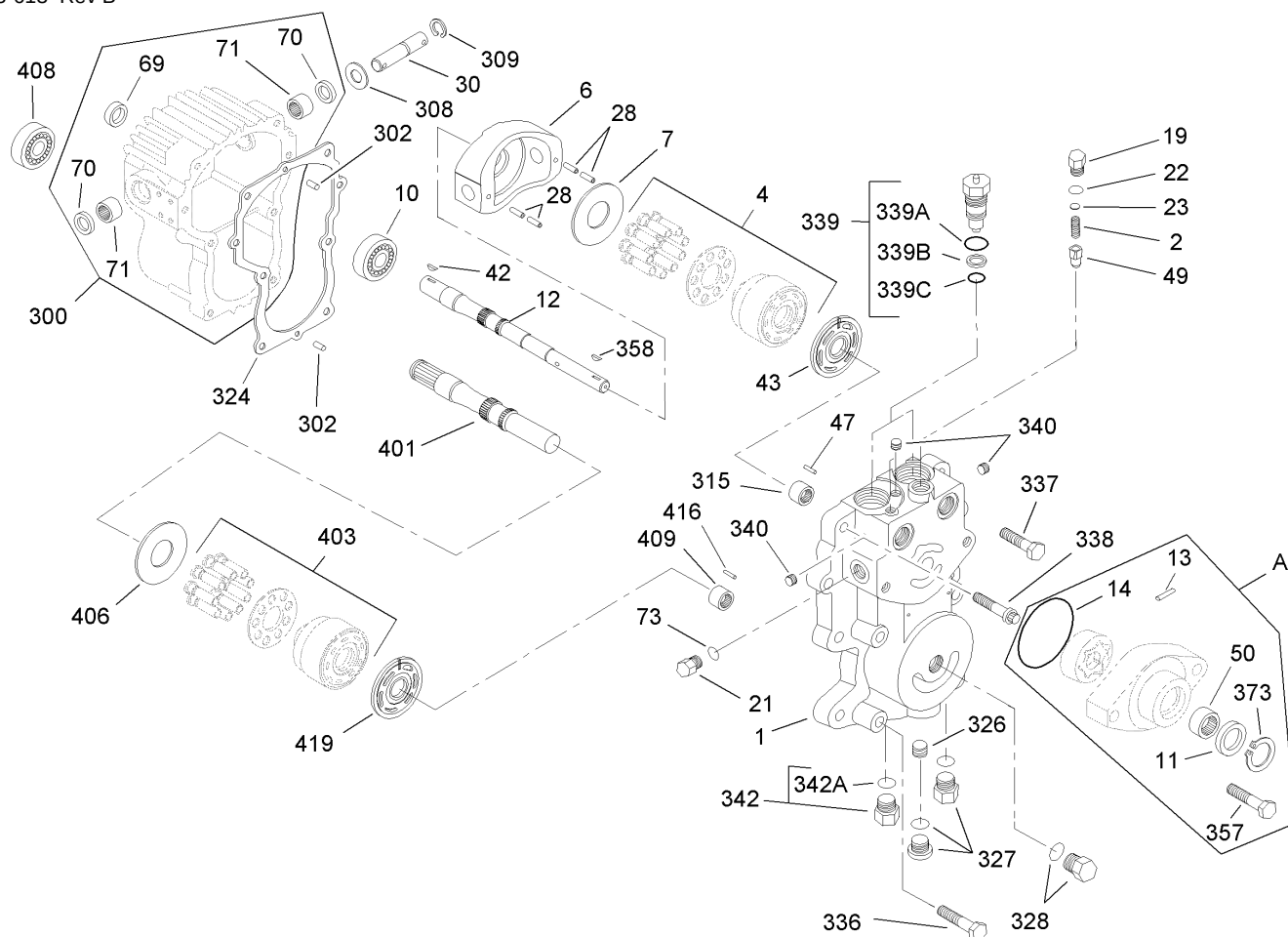
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	240-4	2	Grommet-Rubber	19	321-4	8	Screw-HH
2	32128-20	6	Nut-HF	20	93-7272	1	Decal-Warning
3	108-2023-03	1	Radiator Support ASM	21	108-9678-03	1	Fan Shroud ASM
4	108-2062-03	1	Screen ASM	22	104-3443	1	Hose-Radiator, Upper
5	93-5975	1	Coolant Reservoir ASM	23	104-3442	1	Hose-Radiator, Lower
5:2	93-5960	1	Cap-Reservoir	24	2412-34	4	Clamp-Hose
6	105-0041-03	1	Shield-Radiator, Bottom	25	66-3180	1	Tube-Vent
7		1	Radiator / Oil Cooler ASM	26	2412-103	2	Clamp
7:1	105-4289	1	Radiator	27	104-8301	4	Nut-Flange, NI
7:2	105-4290	1	Cooler-Oil	28	304-46	1	Draincock
7:3	3253-4	4	Washer-Lock	29	106-5976	1	Decal-Warning
7:4	3217-6	4	Nut-Hex	30	3269-10	2	Washer-Back
7:5	237-22	2	O-Ring	31	3269-13	5	Rivet-Pop
8	3296-42	8	Nut-Lock, NI	32	3231-2	4	Screw-CARR
9	66-3240	1	Cap-Radiator				
10	2412-108	2	Clamp-Worm				
11	93-5484	2	Hose-Fuel				
12	1-804254	2	Nut				
13	92-2379	2	Clamp-Hose				
14	3234-5	6	Screw-HHF				
15	98-9316	1	Latch-Hood				
16	74-5950	2	Latch-Swell				
17	108-9683	2	Strip-Foam				
18	3256-22	14	Washer-Flat				



Transmission Installation Assembly

Ref	Part No.	Qty.	Description
1	92-5512	2	Fitting-Hose, Barbed
1:1	237-78	1	O-Ring
2	2412-108	2	Clamp-Worm
3	92-5086	1	Fitting-Elbow, 90 DEG
3:1	237-79	1	O-Ring
4	3290-378	2	Tie-Cable
5	321-9	2	Screw-HH
6	3296-42	2	Nut-Lock, NI
7	82-8530	1	Fitting-Straight
7:1	237-42	1	O-Ring
7:2	237-22	1	O-Ring
8	27-9620	1	Screw-HH
9	323-39	3	Screw-HH
10	3253-21	4	Washer-Lock
11	3256-24	1	Washer-Flat
12	5-0652	1	Spacer
13	27-3680	4	Spacer-Mounting
14	340-3	1	Adapter
14:1	237-22	1	O-Ring
14:2	237-79	1	O-Ring
15	3296-39	2	Nut-Lock, NI
16	63-7170	1	Anchor-Transmission
17	3218-3	2	Nut-Jam
18	86-7220	1	Gear-Pinion

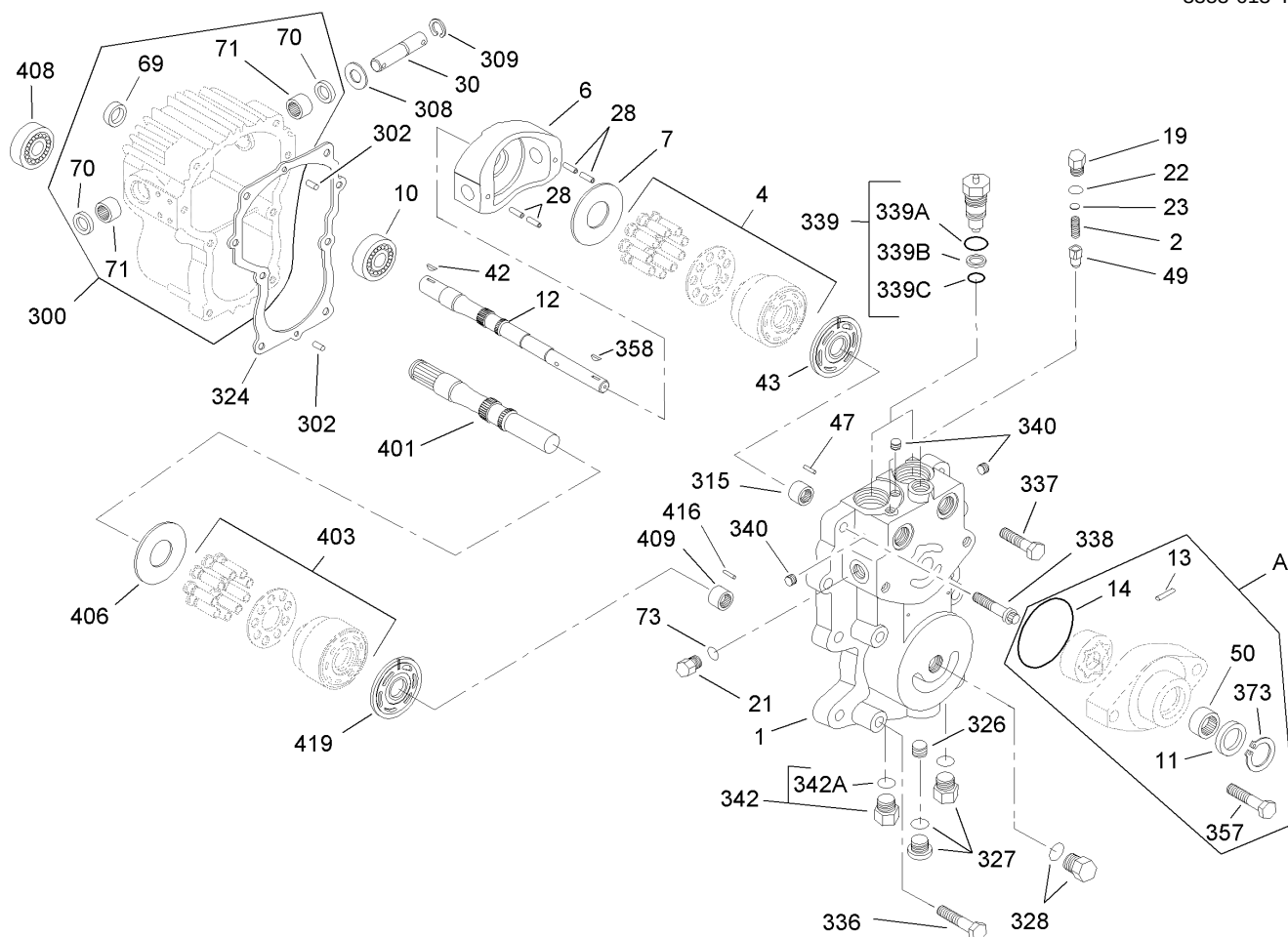
Ref	Part No.	Qty.	Description
19	32120-72	1	Ring-Snap
20	27-3690	1	Gasket-Transmission
21	23-2270	1	Bushing-Rubber
22	3256-26	1	Washer-Flat
23	3272-10	1	Pin-Cotter
24	67-1900	1	Screw-HH
25	108-1355	1	Transmission ASM
26	2412-36	1	Clamp-Hose
27	353-979	1	Fitting-Barbed, Straight
27:1	237-42	1	O-Ring
28	66-3110	2	Fitting-HYD, 90 DEG
28:1	237-42	1	O-Ring
29	92-5085	1	Union-Filter
30	92-5087	1	Seal-Adaptor, Filter
31	108-2036-03	1	Pump Lever ASM
32	353-990	1	Plug
32:1	237-78	1	O-Ring
33	92-5076	1	Adapter-Filter
34	23-2300	1	Filter-Oil, Transmission
35	3220-7	1	Nut-Jam
36	2412-119	1	Clamp-Worm



Center Section Assembly Transmission Assembly No. 108-1355

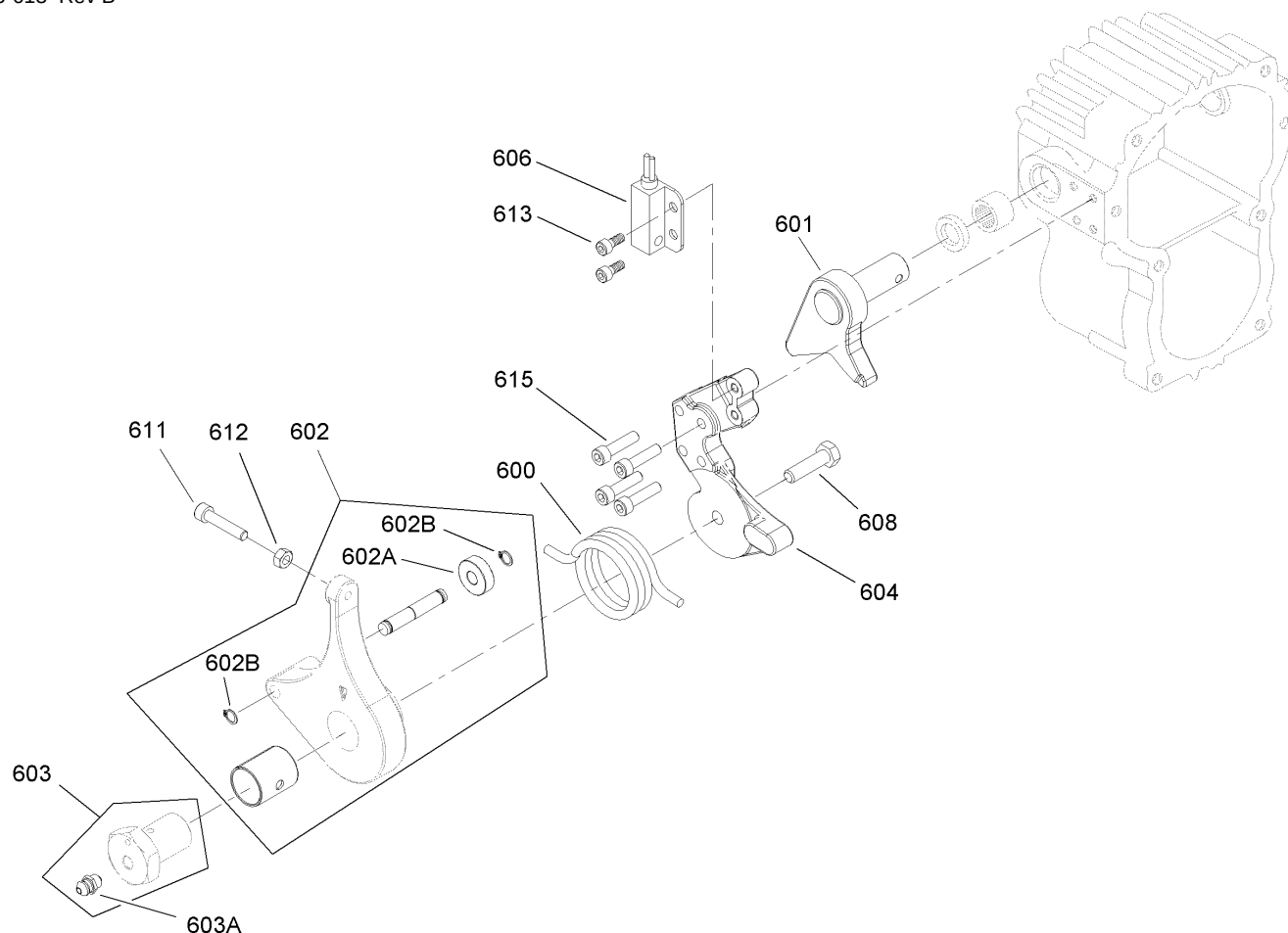
Ref	Part No.	Qty.	Description
A	38-2670	1	Charge Pump Kit
1	92-5716	1	Section-Center
2	46-7310	1	Spring
4	48-1800	1	Cylinder Block Kit
6	25-2450	1	Plate-Swash, Variable
7	25-2380	1	Plate-Thrust
10	251-8	1	Bearing-Ball
11	94-2975	1	Seal-Shaft
12	28-3640	1	Shaft-Pump
13	38-2680	1	Pin
14	28-3520	1	O-Ring
19	25-2460	1	Plug-HH
21	25-2460	1	Plug-HH
22	28-3400	1	O-Ring
23	25-2470	1	Pack-Shim
28	83-3880	4	Pin-Spring
30	28-3670	1	Shaft-Trunnion
42	3257-5	1	Key-Woodruff
43	110-3051	1	Plate-Valve
47	25-2430	1	Pin-Dowel
49	67-8070	1	Cone-Relief, Charge
50	28-3480	1	Bearing
69	93-4133	1	Seal-Lip
70	103461	2	Seal-Sundstrand

Ref	Part No.	Qty.	Description
71	252-82	2	Bearing-Needle
73	28-3400	1	O-Ring
300	110-3052	1	Housing ASM
302	353-599	2	Pin-Dowel
308	25-2510	1	Washer-Flat
309	32151-46	1	Ring-Retaining
315	25-3300	1	Bearing-Needle
324	28-3340	1	Gasket
326	107-4370	1	Plug-Expansion
327	67-9090	1	Plug ASM
328	28-3440	1	Plug-Threaded
336	323-10	4	Screw-HH
337	75-0110	2	Capscrew-HH
338	28-3530	2	Capscrew
339	49-7830	2	Check Valve Kit
340	75-0160	4	Plug-Pipe
342	28-3440	2	Plug-Threaded
357	92-1773	2	Screw-HHF
358	3257-5	1	Key-Woodruff
373	94-2976	1	Ring-Retaining
401	49-8200	1	Shaft-Motor
403	48-1800	1	Cylinder Block Kit
406	25-2380	1	Plate-Thrust
408	28-3300	1	Bearing-Roller



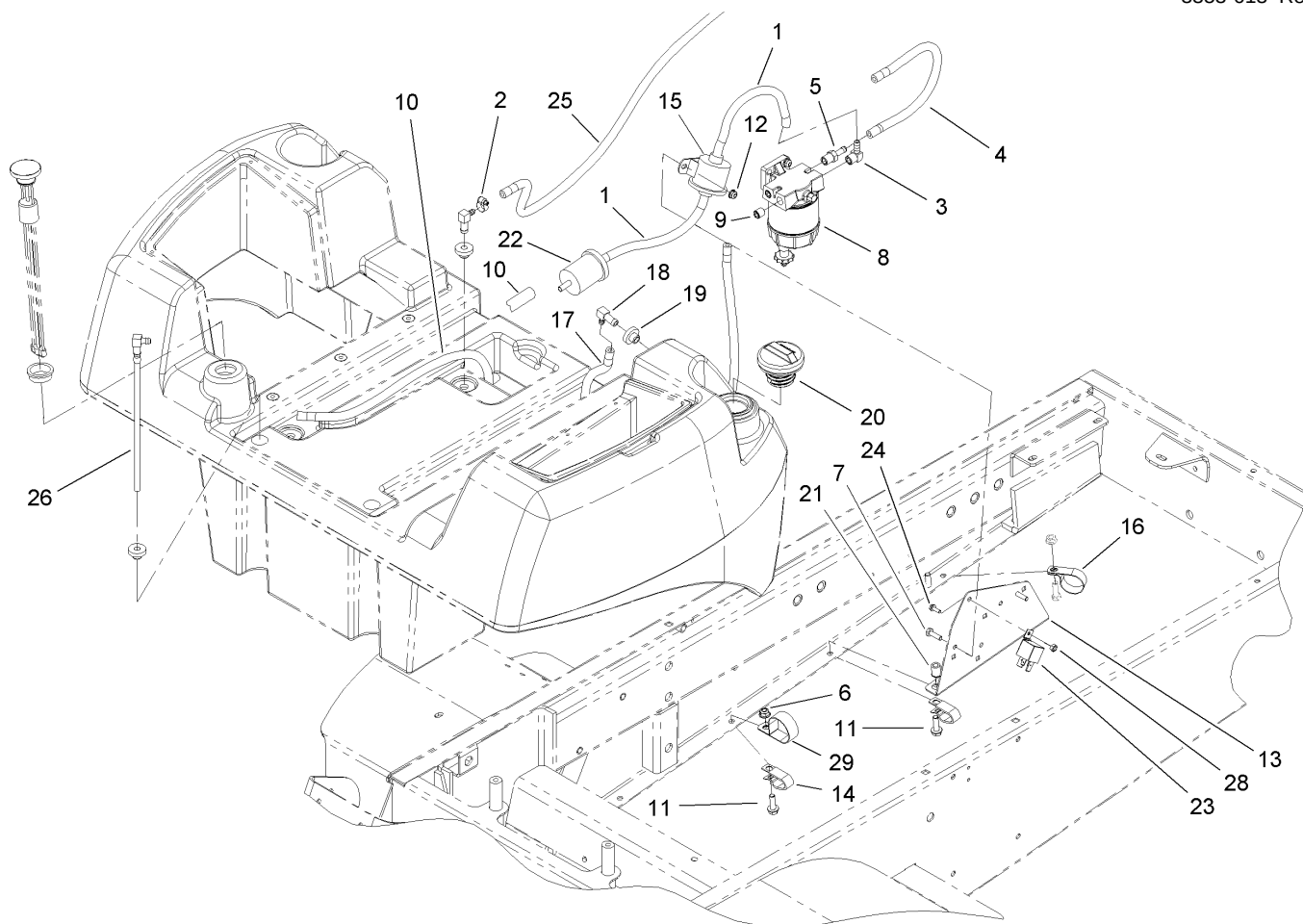
Center Section Assembly
Transmission Assembly No. 108-1355 (continued)

Ref	Part No.	Qty.	Description
409	25-3300	1	Bearing-Needle
416	25-2430	1	Pin-Dowel
419	28-3380	1	Plate-Valve, Motor
339A	28-3570	2	O-Ring
339B	28-3580	2	Ring-Back Up
339C	28-3590	2	O-Ring
342A	75-0240	2	O-Ring



Neutral Return Arm Assembly Transmission Assembly No. 108-1355

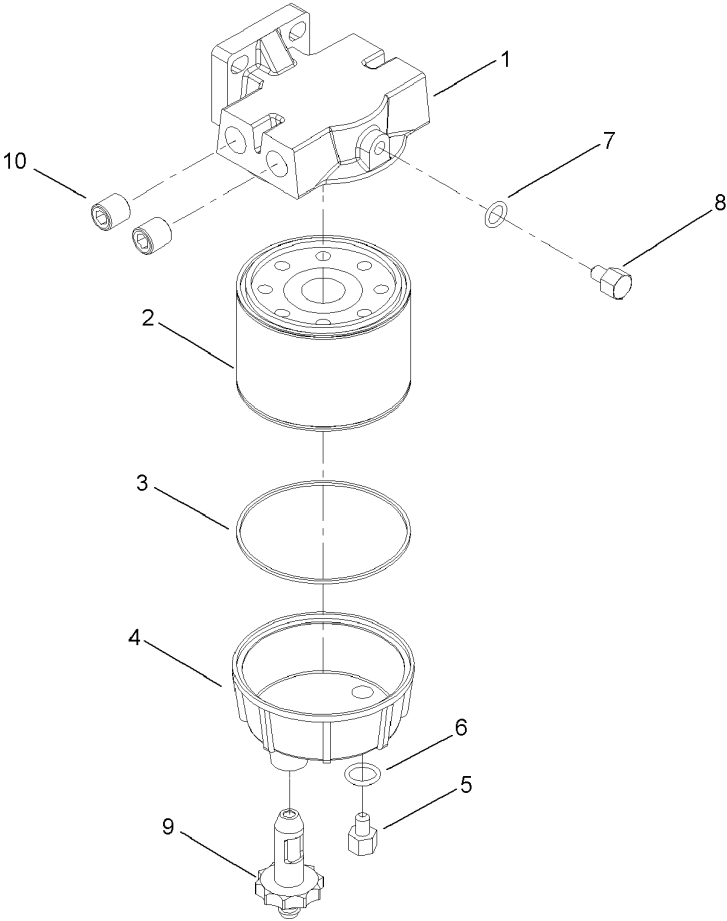
Ref	Part No.	Qty.	Description				
600	110-3053	1	Spring-Return, Neutral				
601	110-3054	1	Cam-Trunnion				
602	110-3055	1	Neutral Return Arm ASM				
603	110-3057	1	Eccentric Pin ASM				
604	110-3059	1	Plate-Mounting				
606	100-1270	1	Switch-Proximity				
608	33114-030	1	Screw-HH				
611	110-3060	1	Screw-HSH				
612	33013-00	1	Nut-Hex				
613	110-3061	2	Screw-HSH				
615	48-7850	4	Capscrew				
602A	251-259	1	Bearing-Ball				
602B	110-3056	2	Ring-Retaining				
603A	110-3058	1	Fitting-Lube				



Fuel Delivery System Assembly

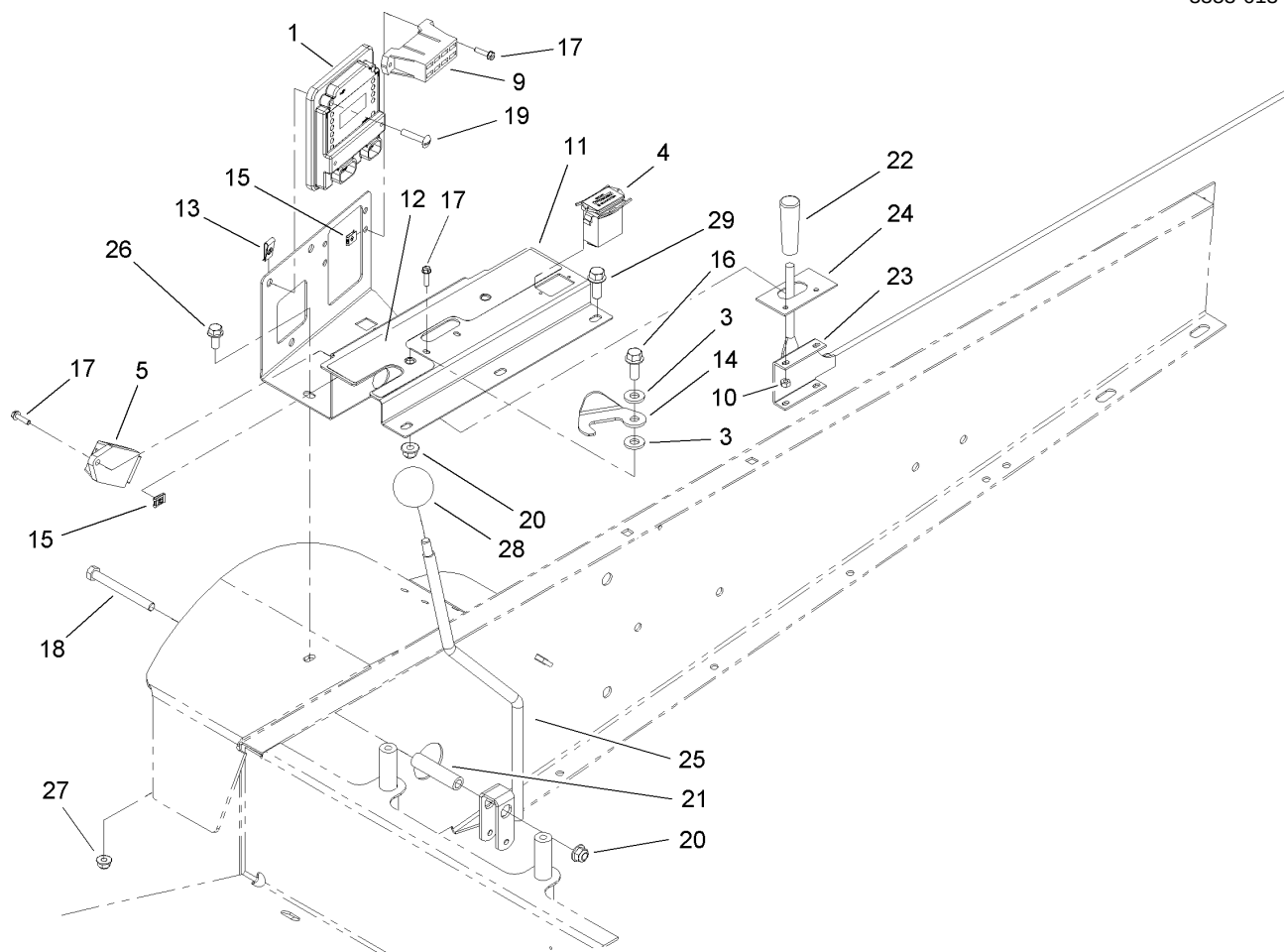
Ref	Part No.	Qty.	Description
1	27-5360	2	Hose-Fuel
2	2412-108	11	Clamp-Worm
3	353-781	1	Fitting-Elbow
4	63-7627	1	Hose-Fuel
5	353-783	1	Fitting
6	104-8300	1	Nut-Flange, NI
7	321-5	4	Screw-HH
8	98-9305	1	Water / Fuel Filter ASM
9	285-22	2	Plug-Pipe
10	63-7628	1	Hose-Fuel
11	3234-17	3	Screw-HHF
12	104-7201	4	Nut-HF
13	108-2078-03	1	Bracket-Support
14	92-5753	2	Clamp-Hose
15	104-5215	1	Pump-Fuel, Electric
16	2412-74	1	R-Clamp
17	63-7721	1	Hose-Fuel
18	94-6765	2	Fitting-Barbed, 90 DEG
19	46-6560	3	Bushing
20	93-3102	1	Cap-Fuel
21	32148-7	2	Insert-Nut
22	98-7612	1	Filter-Fuel
23	99-7435	1	Relay-Power
24	32105-2	1	Screw-SHWH

Ref	Part No.	Qty.	Description
25	105-0020	1	Hose-Fuel
26	66-8121	1	Standpipe
28	3296-2	1	Nut-Lock
29	2412-147	1	Clamp



Water / Fuel Filter Assembly No. 98-9305

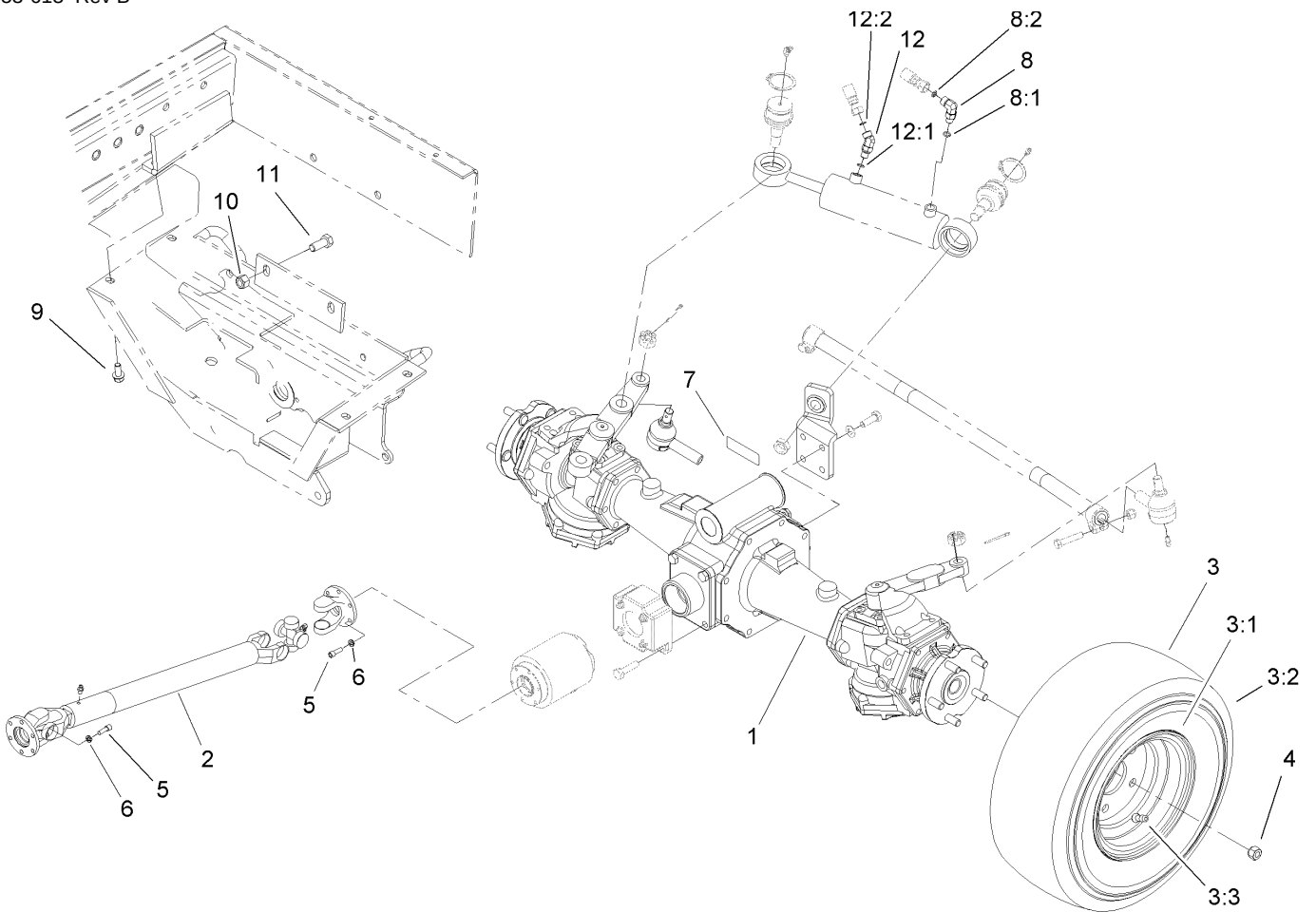
Ref	Part No.	Qty.	Description				
1	98-9772	1	Head-Filter				
2	98-9764	1	Element				
3	98-9774	1	O-Ring-Base, Filter				
4	98-9775	1	Base-Filter				
5	98-9773	1	Plug-Base, Filter				
6	237-42	1	O-Ring				
7	237-78	1	O-Ring				
8	98-9776	1	Plug-Head, Filter				
9	98-9777	1	Drain Valve ASM				
10	285-22	2	Plug-Pipe				



Lower Control Panel Assembly

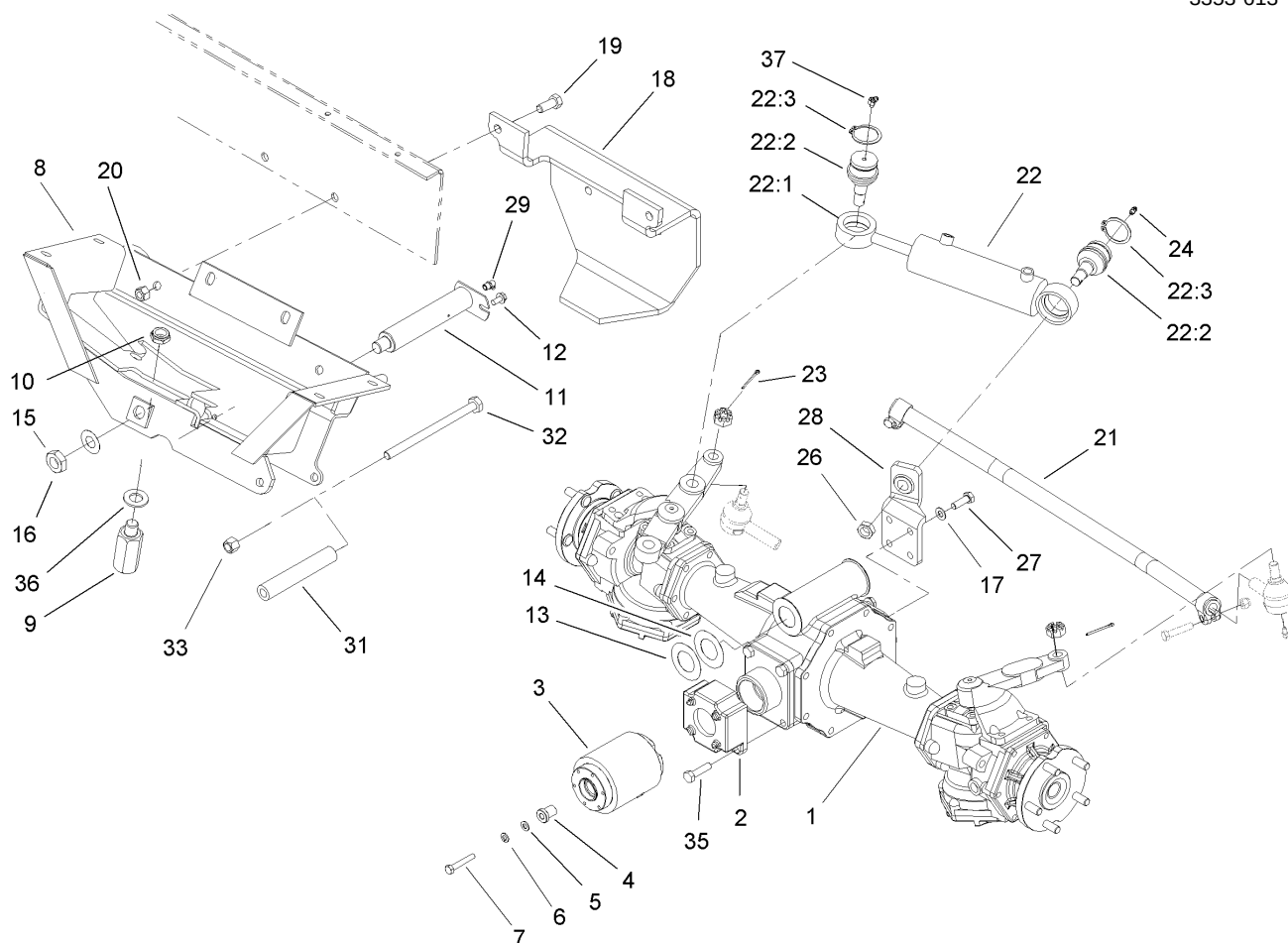
Ref	Part No.	Qty.	Description
1	106-9277	1	Module-Control, Standard
3	66-2920	2	Washer-Friction
4	1-513374	1	Meter-Hour
5	98-7611	1	Controller-Glow
9	108-2020	1	Harness-Wire, Main
10	3296-2	2	Nut-Lock
11	108-2030-03	1	Cover-Lower
12	108-2031	1	Decal-Panel, Lower
13	3290-199	3	Nut-Speed
14	108-2032	1	Latch-Lever
15	3290-191	4	Nut-Speed
16	3234-11	1	Screw-HHF
17	32105-13	5	Screw-SHH
18	323-15	1	Screw-HH
19	3258-19	3	Screw
20	104-8301	2	Nut-Flange, NI
21	84-2350	1	Spacer-Long
22	233-39	1	Knob-Control
23	108-2033	1	Cable-Throttle, Diesel
24	108-2034-03	1	Plate-Throttle
25	108-2035-03	1	Lift Lever ASM
26	3234-5	1	Screw-HHF
27	104-8300	1	Nut-Flange, NI
28	233-21	1	Knob

Ref	Part No.	Qty.	Description
29	3234-14	3	Screw-HHF



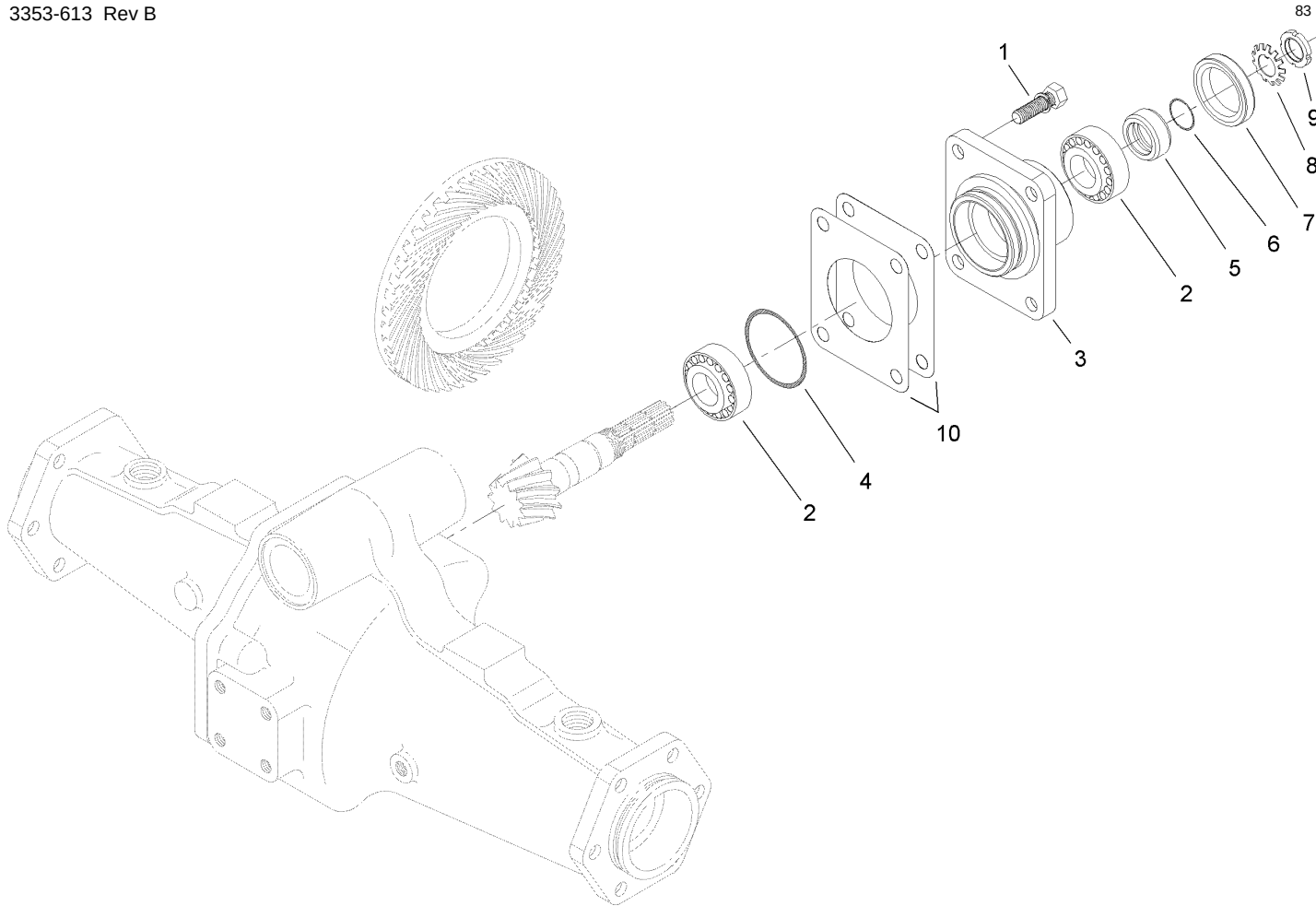
4 Wheel Drive Axle Assembly

Ref	Part No.	Qty.	Description				
21		1	Axle-Rear				
2	98-5009	1	Driveshaft ASM				
23		2	Tire And Wheel ASM				
3:1	105-7846	1	Wheel				
3:2	231-122	1	Tire				
3:3	232-27	1	Stem-Valve				
4	93-5268	10	Nut-Lug				
5	3274-8	12	Screw-HSH				
6	3253-3	12	Washer-Lock				
7	93-6697	1	Decal-Lube				
8	340-132	1	Fitting-HYD, 90 DEG				
8:1	237-78	1	O-Ring				
8:2	237-21	1	O-Ring				
9	3234-25	4	Screw-HHF				
10	3296-25	2	Nut-Lock, NI				
11	325-5	2	Screw-HH				
12	340-103	1	Fitting-HYD, 45 DEG				
12:1	237-78	1	O-Ring				
12:2	237-21	1	O-Ring				



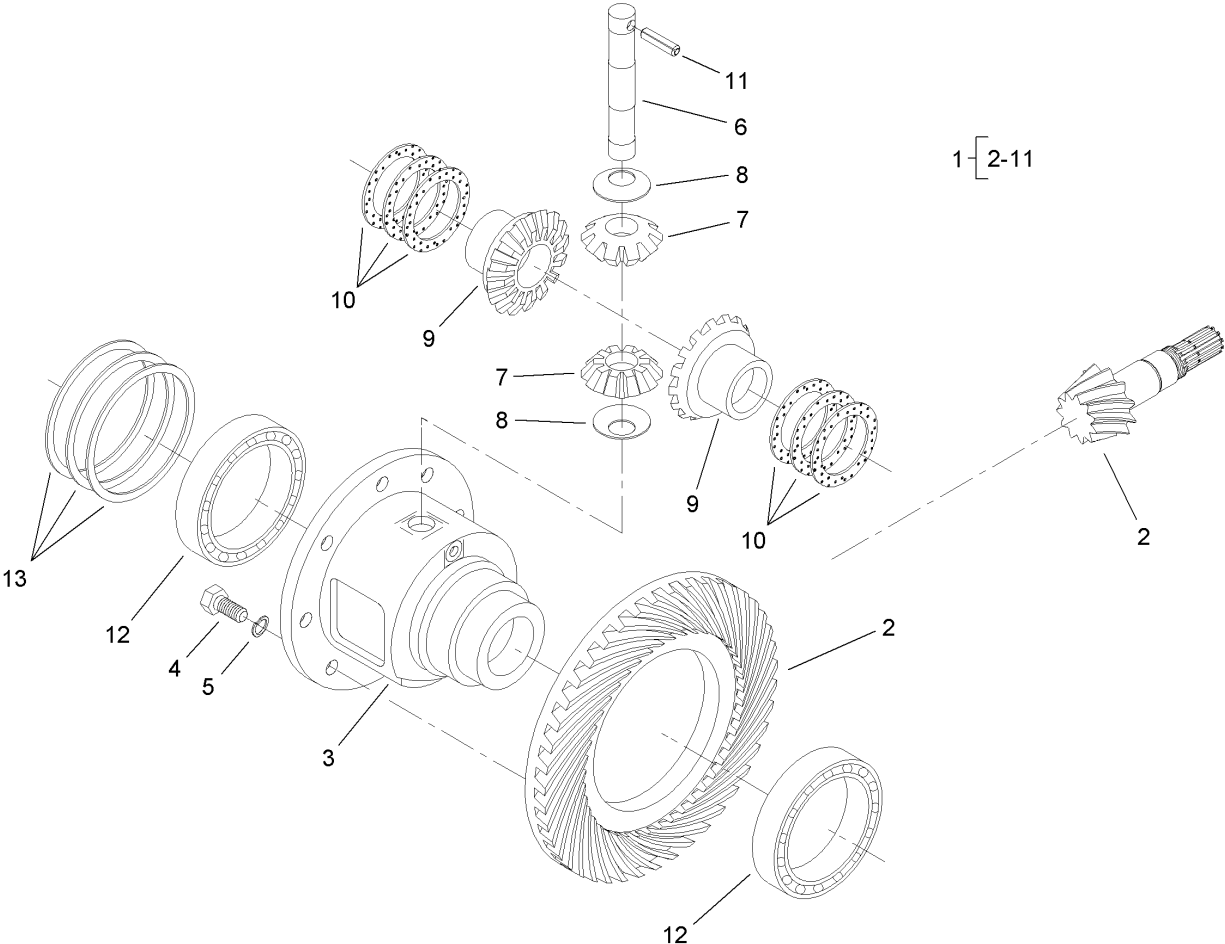
Rear Axle Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-1120	1	Rear Axle ASM	22:3	32151-104	2	Ring-Retaining, External
2	98-3860-03	1	Adaptor-Locator, Clutch	23	3272-11	2	Pin-Cotter
3	95-6296	1	Clutch-Bidirectional	24	302-11	1	Fitting-Lube, 45 DEG
4	98-1823	1	Spacer	26	3220-6	4	Nut-Jam
5	33094-00	1	Washer-Flat	27	95-8812	4	Screw-HH
6	3253-4	1	Washer-Lock	28	98-3862-03	1	Bracket-Support, Cylinder
7	33114-050	1	Screw-HH	29	302-33	1	Fitting-Grease
8	105-4295-03	1	Axle Support ASM	31	99-2404-03	1	Stop-Rear Axle, LH
9	98-3863	1	Stop-Oscillation	32	325-36	1	Screw-HH
10	3296-15	1	Nut-Lock, NI	33	3296-23	1	Nut-Lock, NI
11	99-8434-03	1	Rear Axle Pin ASM	35	87-3700	2	Screw-Cap, HH
12	32144-14	1	Screw-HWH	36	3256-28	1	Washer-Flat
13	99-8431	1	Washer-Thrust	37	302-5	1	Fitting-Grease
14	99-8432	1	Washer-Thrust				
15	71-4540	1	Washer-Thrust				
16	32146-20	1	Nut-Jam				
17	48-9220	4	Washer				
18	99-2405-03	1	Bumper				
19	325-5	2	Screw-HH				
20	3296-25	2	Nut-Lock, NI				
21	98-3871-03	1	Tie Rod ASM				
22		1	Steering Cylinder ASM				
22:1	99-2415	1	Cylinder-HYD				
22:2	106-6774	2	Joint-Ball				



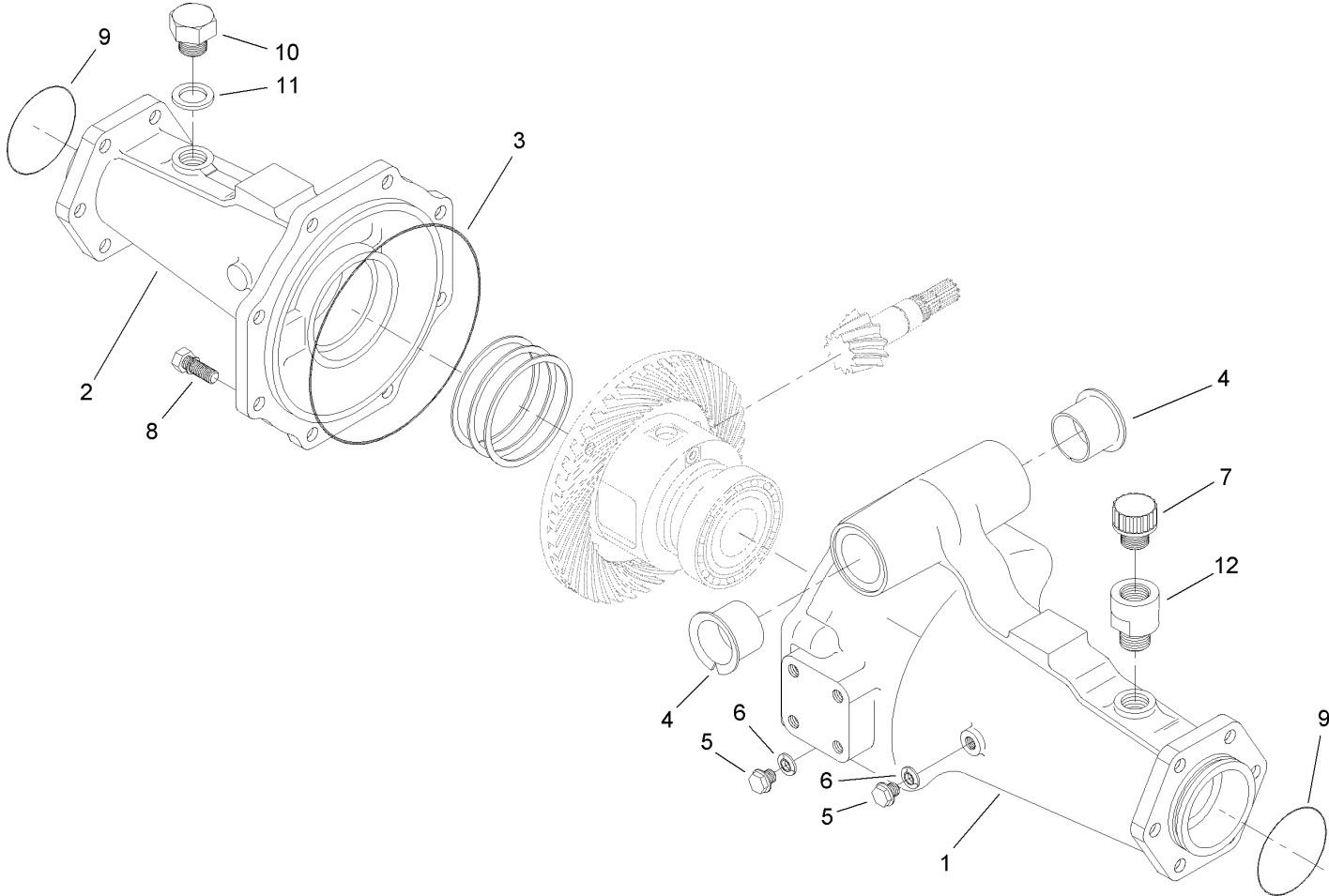
Bevel Pinion Shaft Assembly
Drive Axle Assembly No. 106-1120

Ref	Part No.	Qty.	Description				
1	99-7575	4	Bolt				
2	99-7570	2	Bearing-Roller, Taper				
3	95-7535	1	Case-Bearing				
4	99-7571	1	O-Ring				
5	99-7572	1	Collar-Seal, Oil				
6	99-7573	1	O-Ring				
7	99-7574	1	Seal-Oil				
8	99-7559	1	Washer-Lock				
9	99-7560	1	Nut-Lock				
10	99-7550	2	Shim 0.1				
10	99-7551	2	Shim 0.2				



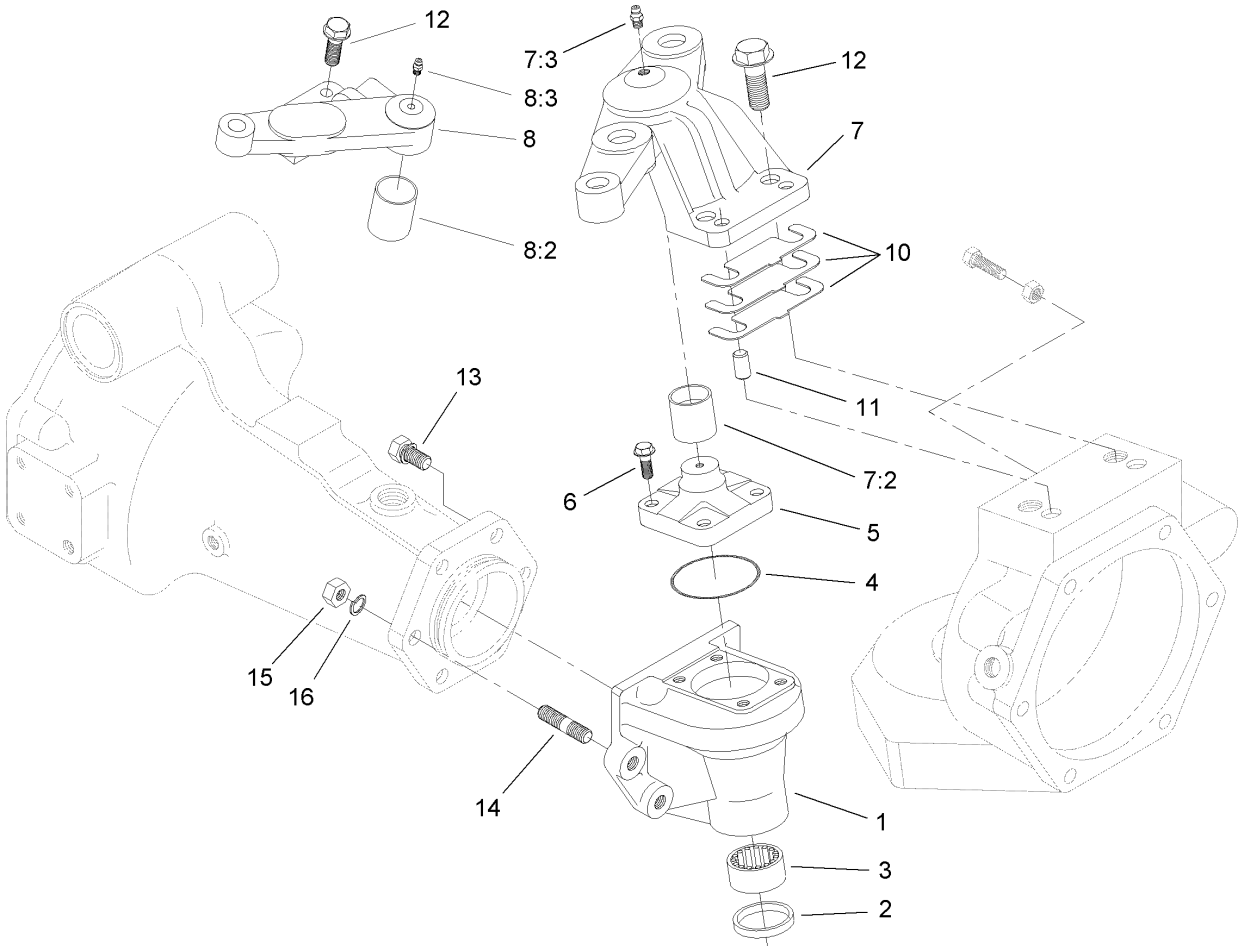
Differential Assembly
Drive Axle Assembly No. 106-1120

Ref	Part No.	Qty.	Description				
1	95-7503	1	Differential ASM				
2	106-1093	1	Ring And Pinion, Matched Set				
3	95-7502	1	Case-Differential				
4	99-7576	8	Bolt				
5	3253-4	8	Washer-Lock				
6	99-7578	1	Shaft-Differential				
7	99-7579	2	Pinion-Differential				
8	99-7580	2	Washer-Differential				
9	99-7581	2	Gear-Differential				
10	99-7582	2	Washer-Differential				
10	99-7583	2	Washer-Differential				
10	99-7584	2	Washer-Differential				
11	99-7588	1	Pin-Spring				
12	99-7562	2	Bearing-Ball				
13	99-7585	2	Shim 0.1				
13	99-7586	2	Shim 0.2				
13	99-7587	2	Shim 0.4				



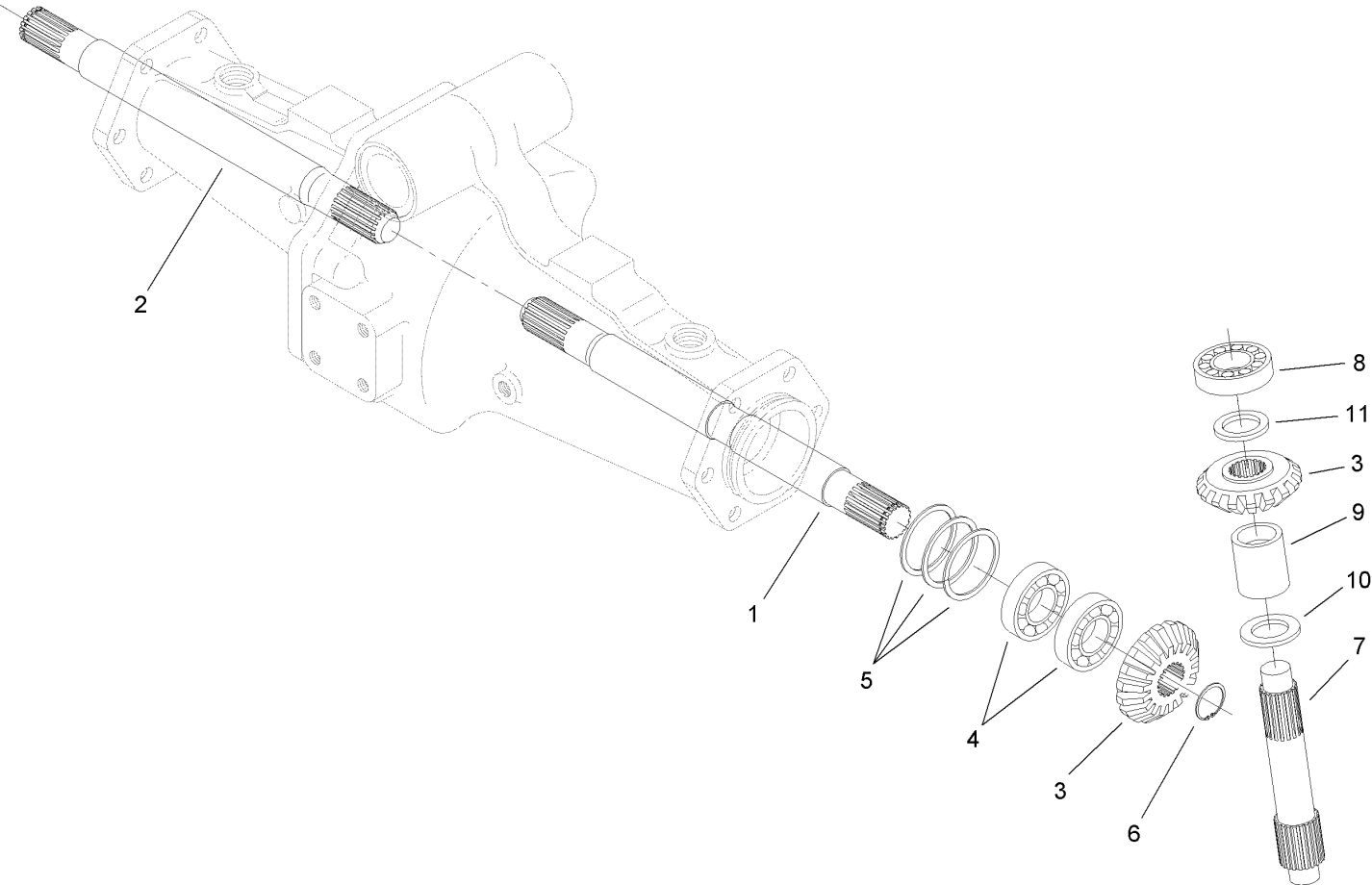
Axle Support Assembly
Drive Axle Assembly No. 106-1120

Ref	Part No.	Qty.	Description				
1	95-7508	1	Support-Axle				
2	95-7506	1	Support-Axle				
3	95-7507	1	O-Ring				
4	95-7537	2	Bushing-Flanged				
5	99-7589	2	Plug				
6	99-7590	2	Washer-Seal				
7	99-7591	1	Oil Plug ASM				
8	99-7592	8	Bolt				
9	106-1068	2	O-Ring				
10	104-8643	1	Plug				
11	104-8644	1	O-Ring				
12	104-2377	1	Extension-Vent				



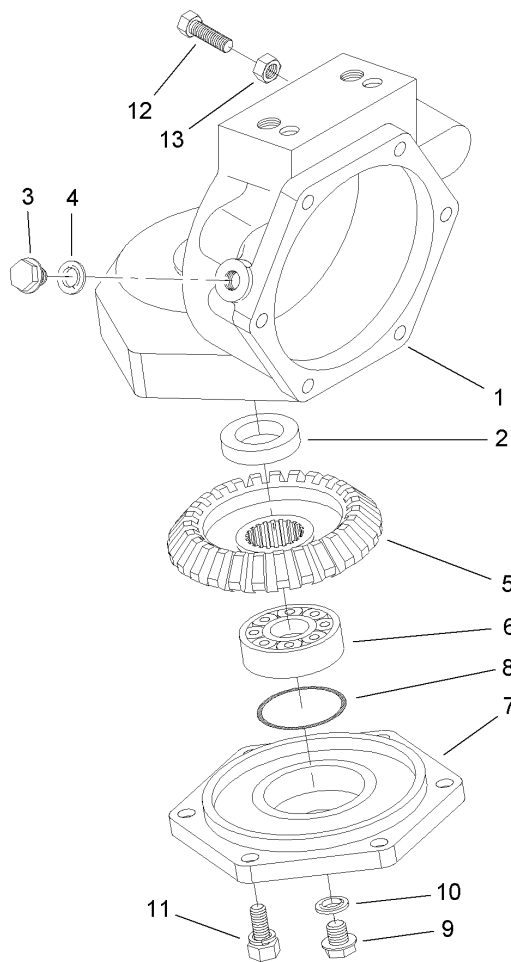
Bevel Gear Case Assembly
Drive Axle Assembly No. 106-1120

Ref	Part No.	Qty.	Description				
1	106-1099	2	Case-Gear, Bevel				
2	99-7594	2	Seal-Oil				
3	99-7595	2	Bearing-Needle				
4	106-1069	2	O-Ring				
5	104-2373	2	Knuckle				
6	104-2374	8	Bolt				
7	95-7516	1	Support-Axle Case, RH				
7:2	99-7529	1	Bushing				
7:3	99-7528	2	Nipple-Grease				
8	95-7514	1	Support-Axle Case, LH				
8:2	99-7529	1	Bushing				
8:3	99-7528	2	Nipple-Grease				
10	95-7547	2	Shim 0.1				
10	95-7548	2	Shim 0.2				
10	95-7549	2	Shim 0.4				
11	99-7597	4	Pin-Dowel				
12	99-7598	4	Bolt				
13	99-7599	8	Bolt				
14	99-7525	4	Stud				
15	99-7526	4	Nut				
16	99-7527	4	Washer-Spring				



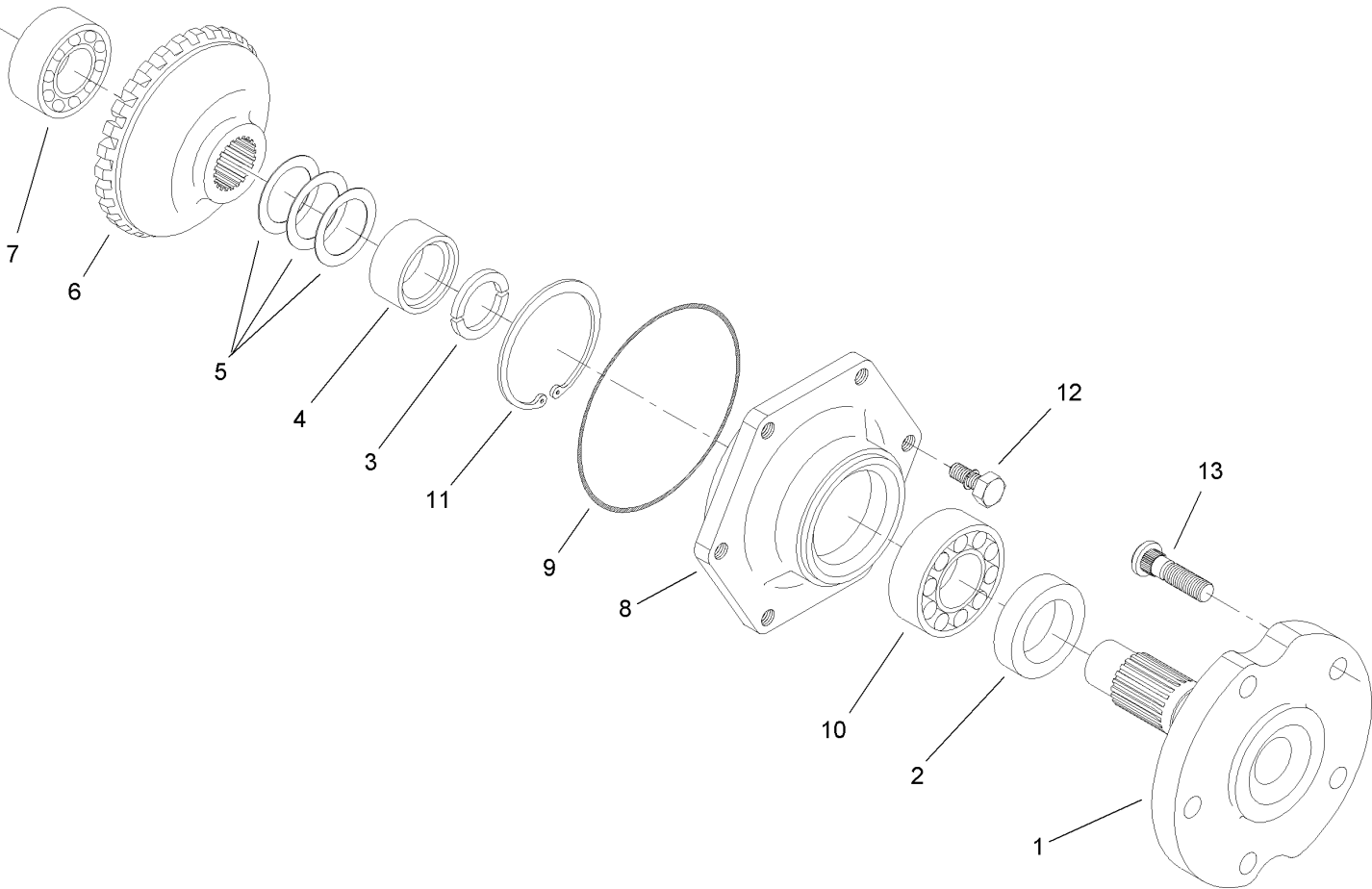
Bevel Gear Shaft Assembly
Drive Axle Assembly No. 106-1120

Ref	Part No.	Qty.	Description				
1	95-7509	1	Shaft-Gear, Differential				
2	95-7512	1	Shaft-Gear, Differential				
3	95-7518	4	Gear-Bevel, 18 Tooth				
4	99-7530	4	Bearing-Ball				
5	99-7552	2	Shim 0.1				
5	99-7553	2	Shim 0.2				
5	99-7554	2	Shim 0.5				
6	99-7531	2	Clip				
7	106-1101	2	Shaft-Gear, Bevel				
8	99-7532	2	Bearing-Roller, Taper				
9	95-7543	2	Spacer				
10	99-7533	2	Collar-Thrust				
11	99-7558	2	Collar				



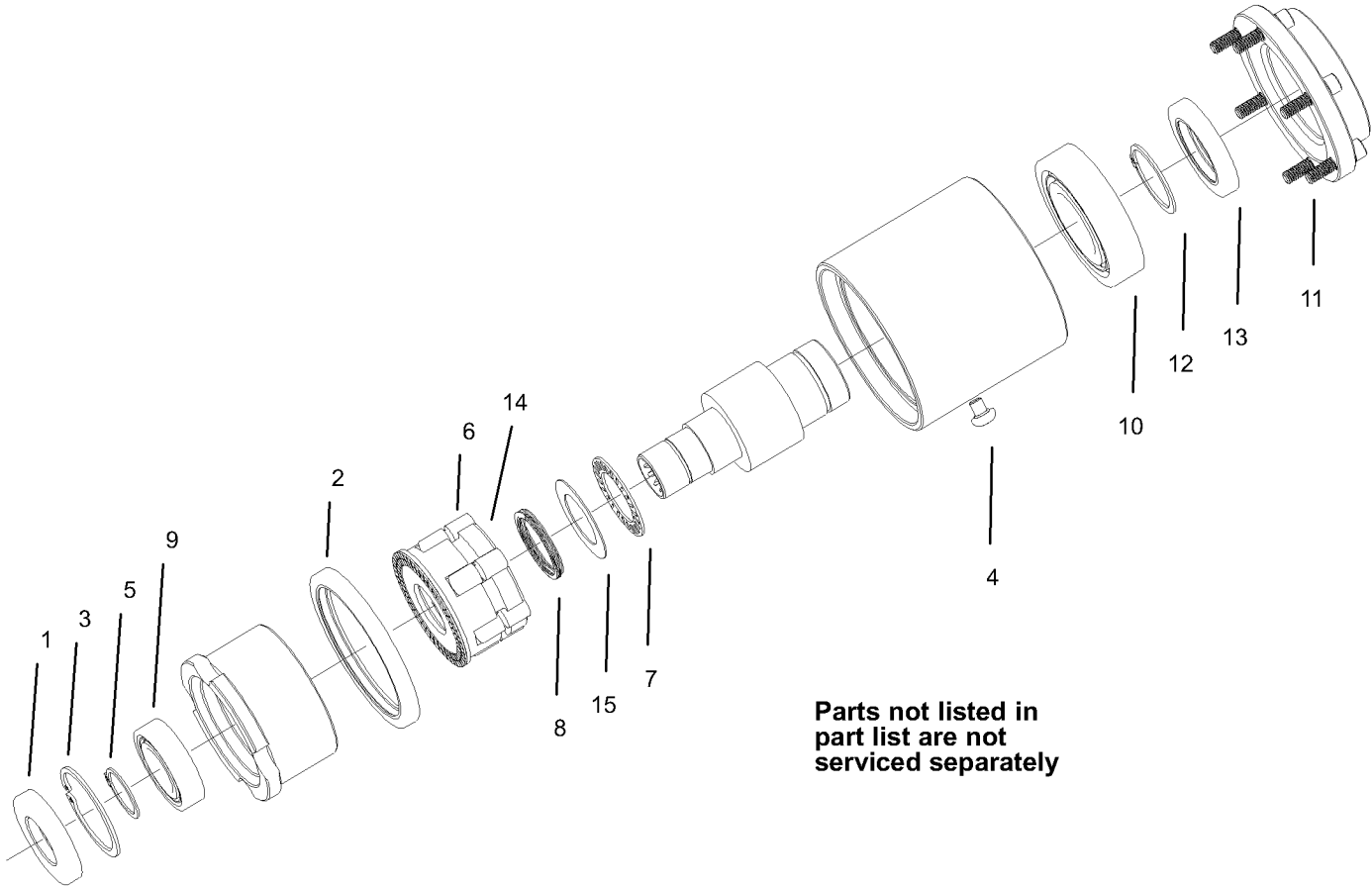
Axle Case Assembly
Drive Axle Assembly No. 106-1120

Ref	Part No.	Qty.	Description				
1	106-1100	2	Case-Axle				
2	99-7594	2	Seal-Oil				
3	99-7535	2	Plug				
4	99-7536	2	Washer-Seal				
5	95-7528	2	Gear-Bevel, 27 Tooth				
6	99-7532	2	Bearing-Roller, Taper				
7	95-7526	2	Cover-Axle				
8	99-7537	2	O-Ring				
9	99-7589	2	Plug				
10	99-7590	2	Washer-Seal				
11	99-7596	12	Bolt				
12	106-1102	2	Bolt-Stop				
13	106-1103	2	Nut				



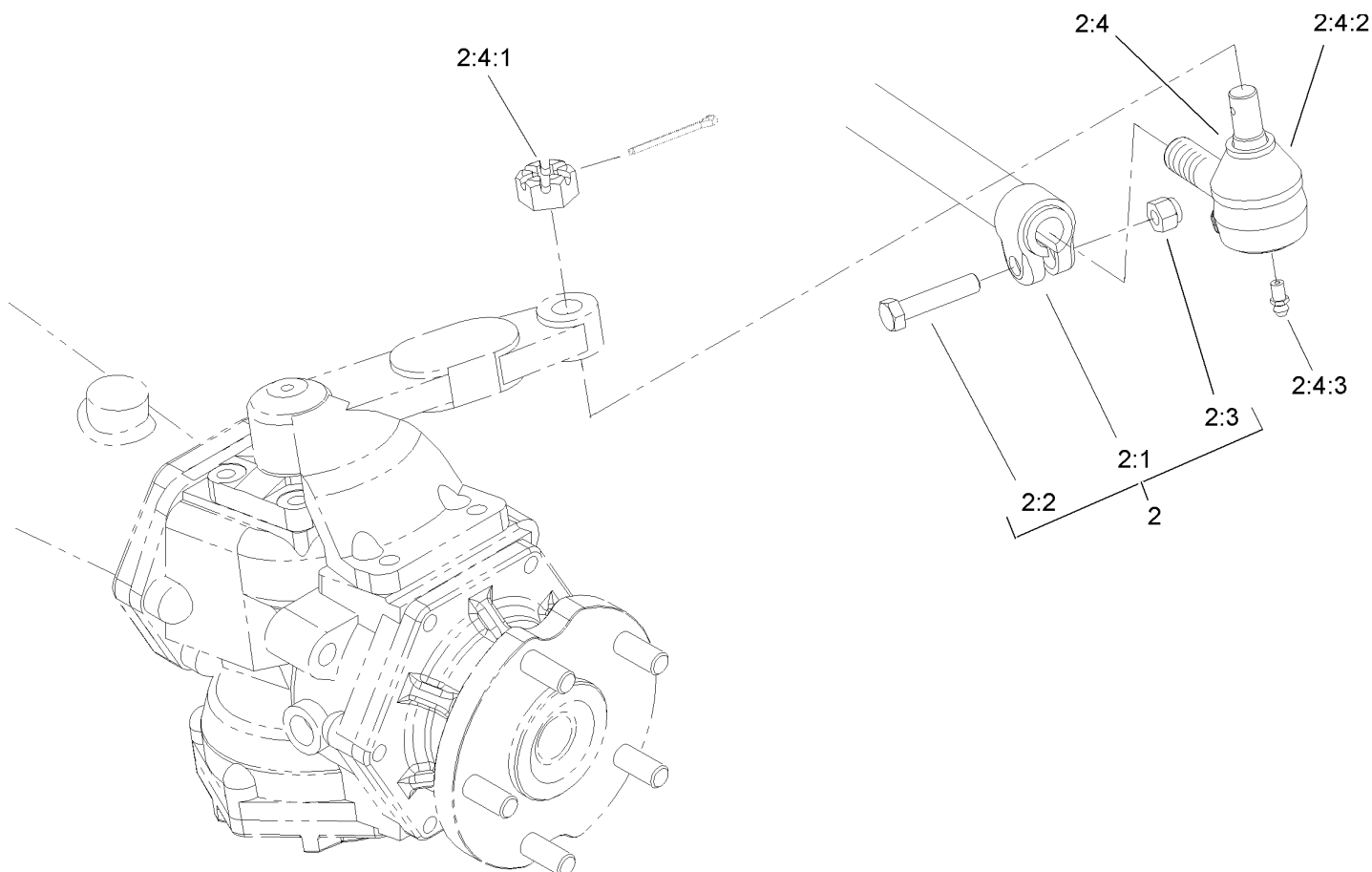
Axle Assembly
Drive Axle Assembly No. 106-1120

Ref	Part No.	Qty.	Description				
1	95-7522	2	Axle				
2	99-7564	2	Seal-Oil				
3	95-7544	4	Clip				
4	95-7523	2	Spacer				
5	99-7555	2	Shim 0.3				
5	99-7556	2	Shim 0.2				
5	99-7557	2	Shim 0.5				
6	95-7525	2	Gear-Bevel, 27 Tooth				
7	99-7534	2	Bearing-Ball				
8	95-7521	2	Cover-Axle				
9	99-7538	2	O-Ring				
10	99-7561	2	Bearing-Ball				
11	99-7539	2	Clip				
12	99-7596	12	Bolt				
13	99-7563	10	Stud				



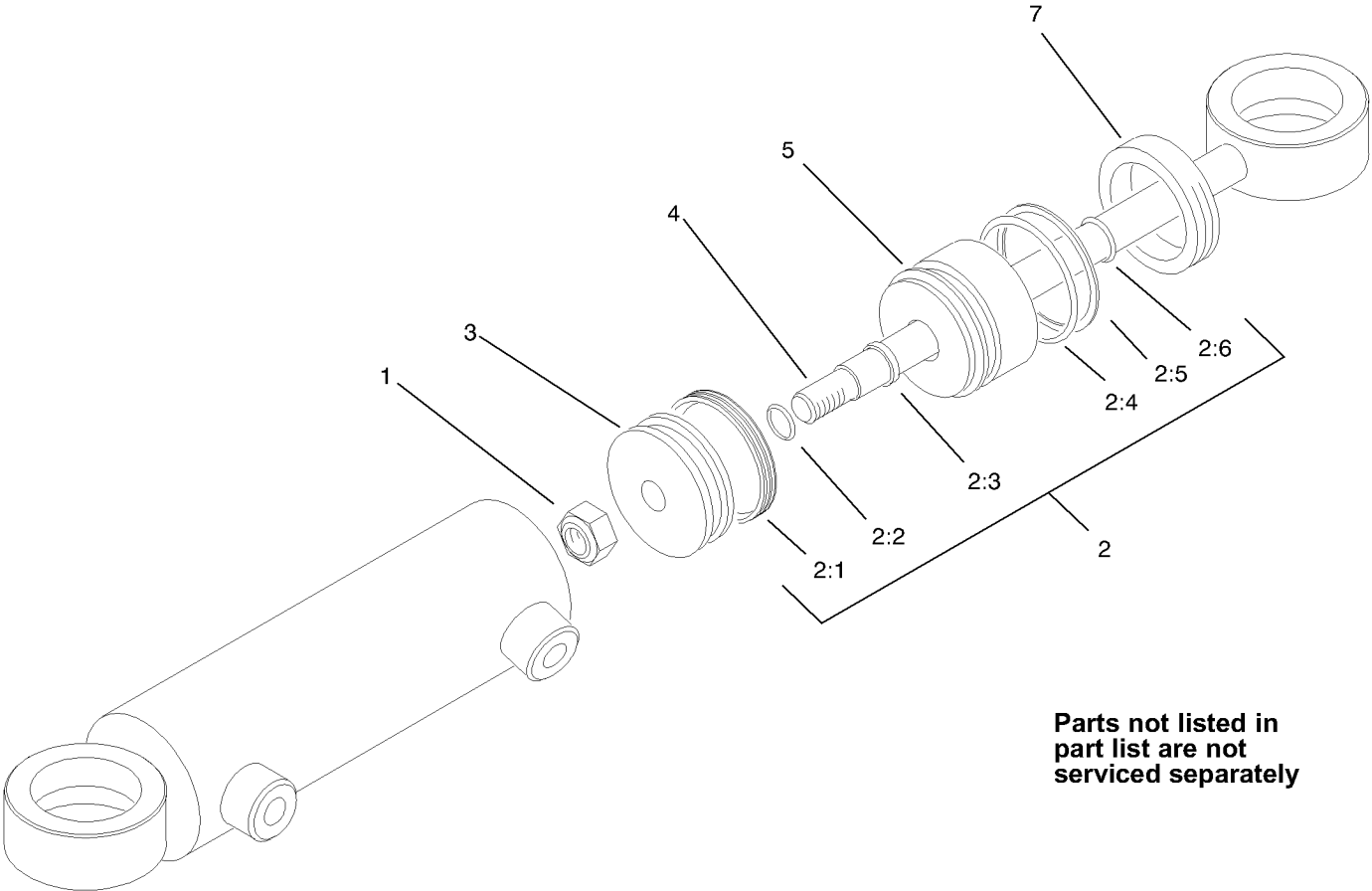
Bi-Directional Clutch Assembly No. 95-6296

Ref	Part No.	Qty.	Description				
1	100-6589	1	Seal-Oil				
2	100-6593	1	Seal-Oil				
3	32151-75	1	Ring-Retaining				
4	100-6596	1	Screw-PPH				
5	100-6597	1	Ring-Snap, External				
6	93-8925	6	Roller				
7	93-8919	1	Bearing-Needle, Thrust				
8	93-8923	1	Spring-Wave				
9	99-2902	1	Bearing				
10	92-9705	1	Bearing				
11	3245-6	6	Screw-HSH				
12	32120-84	1	Ring-Snap, External				
13	71-6790	1	Seal-Oil				
14	100-2568	1	Roll Cage ASM				
15	93-8929	1	Washer-Thrust				



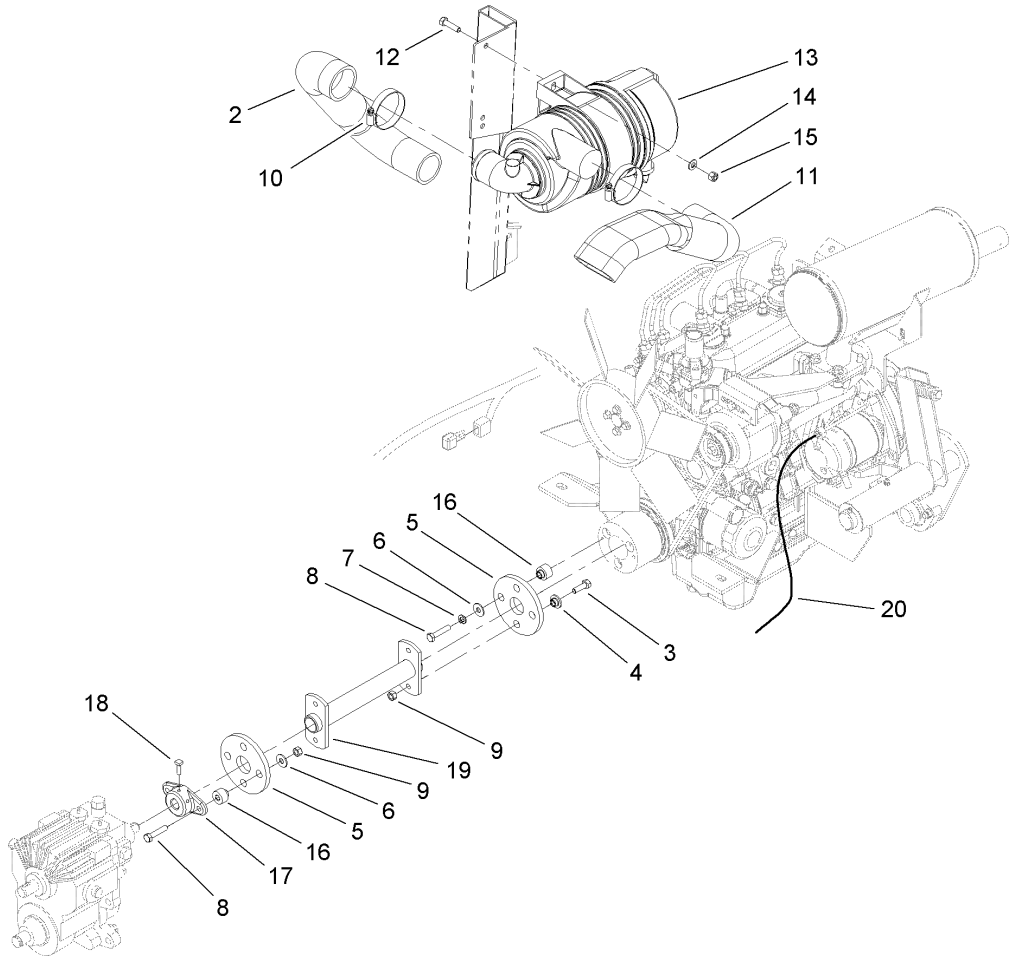
Tie Rod Assembly No. 98-3871-03

Ref	Part No.	Qty.	Description				
2		1	Rod-Tie				
2:1	99-2412-03	1	Rod And Clamp ASM				
2:2	323-9	2	Screw-HH				
2:3	3296-39	2	Nut-Lock, NI				
2:4	71-4740	2	End-Rod, Tie				
2:4:1	105-7941	1	Nut-Hex, Slotted				
2:4:2	105-7835	1	Seal				
2:4:3	302-5	1	Fitting-Grease				



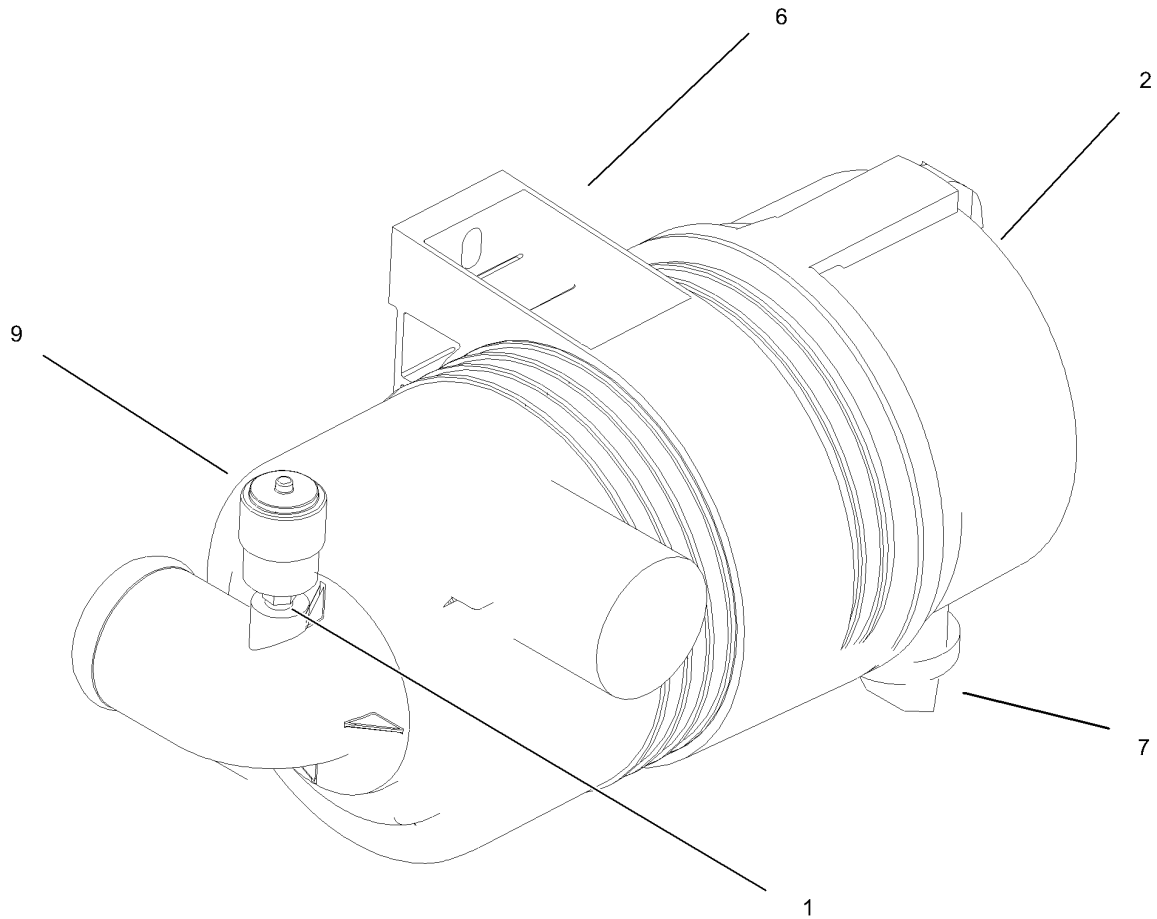
Hydraulic Cylinder Assembly No. 99-2415

Ref	Part No.	Qty.	Description				
1	32152-10	1	Locknut				
2	86-5390	1	Seal Repair Kit				
2:1		1	Uniring				
2:2		1	O-Ring				
2:3		1	Seal-Rod				
2:4		1	O-Ring				
2:5		1	Ring-Backup				
2:6		1	O-Ring				
23		1	Piston				
24		1	Rod				
25		1	Head				
27		1	Collar-Internal				



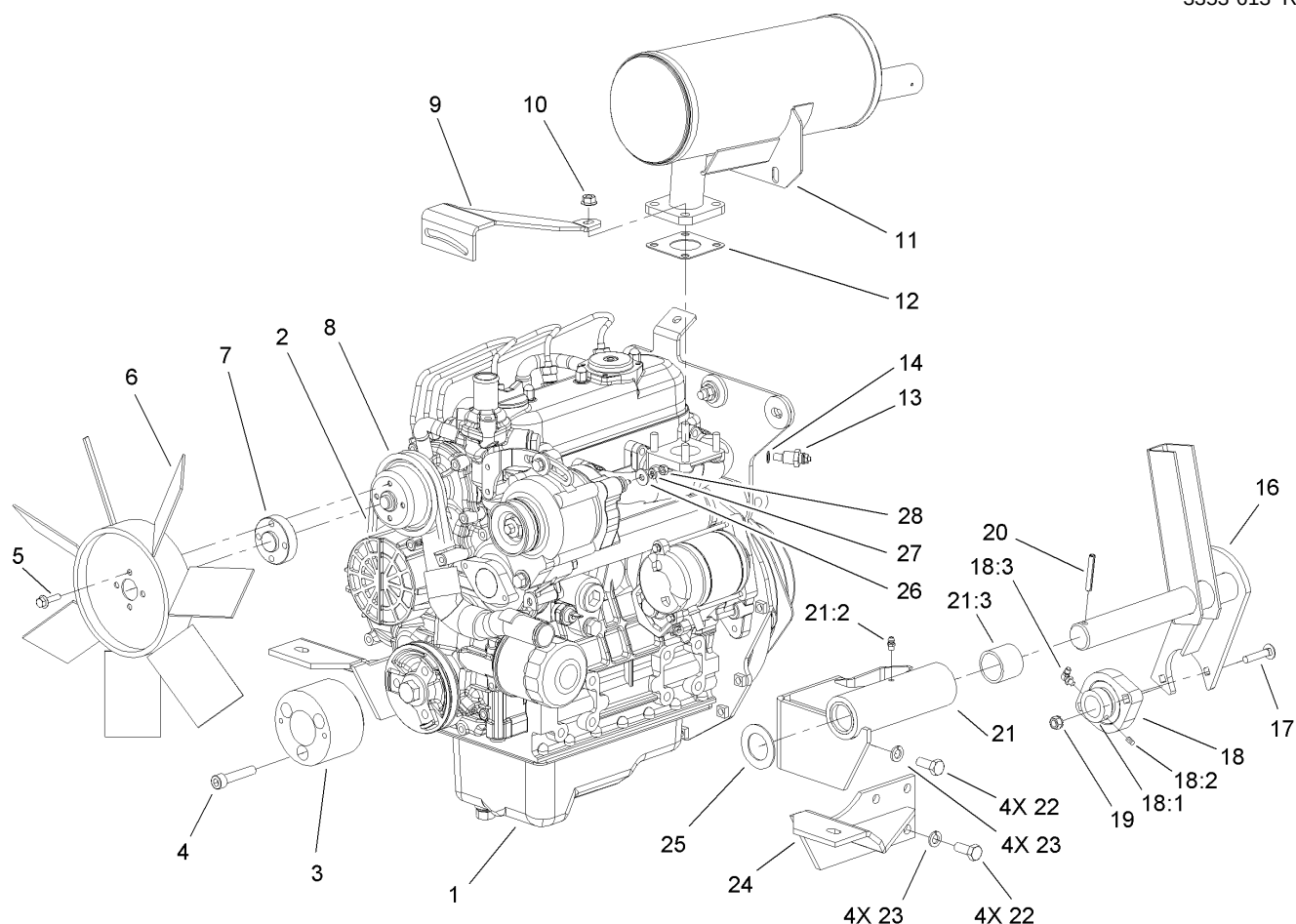
Air Cleaner and Drive Coupling Assembly

Ref	Part No.	Qty.	Description				
2	104-3446	1	Hose-Outlet, Air				
3	3210-5	4	Screw-HH				
4	27-6600	4	Spacer-Coupling				
5	44-2230	2	Coupling-Rubber				
6	3256-71	4	Washer-Flat				
7	3253-4	2	Washer-Lock				
8	3210-8	4	Screw-HH				
9	32152-5	6	Nut-Lock, Cone				
10	2412-42	3	Clamp-Hose				
11	104-3444	1	Hose-Inlet, Air				
12	322-6	2	Screw-HH				
13	104-3427	1	Air Cleaner ASM				
14	3256-23	2	Washer-Flat				
15	3296-29	2	Nut-Lock, NI				
16	27-6590	4	Spacer-Coupling, Rubber				
17	27-4370	1	Hub-Pump				
18	3241-6	2	Screw-SQH				
19	104-3401-03	1	Drive Shaft ASM				
20	99-3441	1	Harness-Wire, Fusible Link				



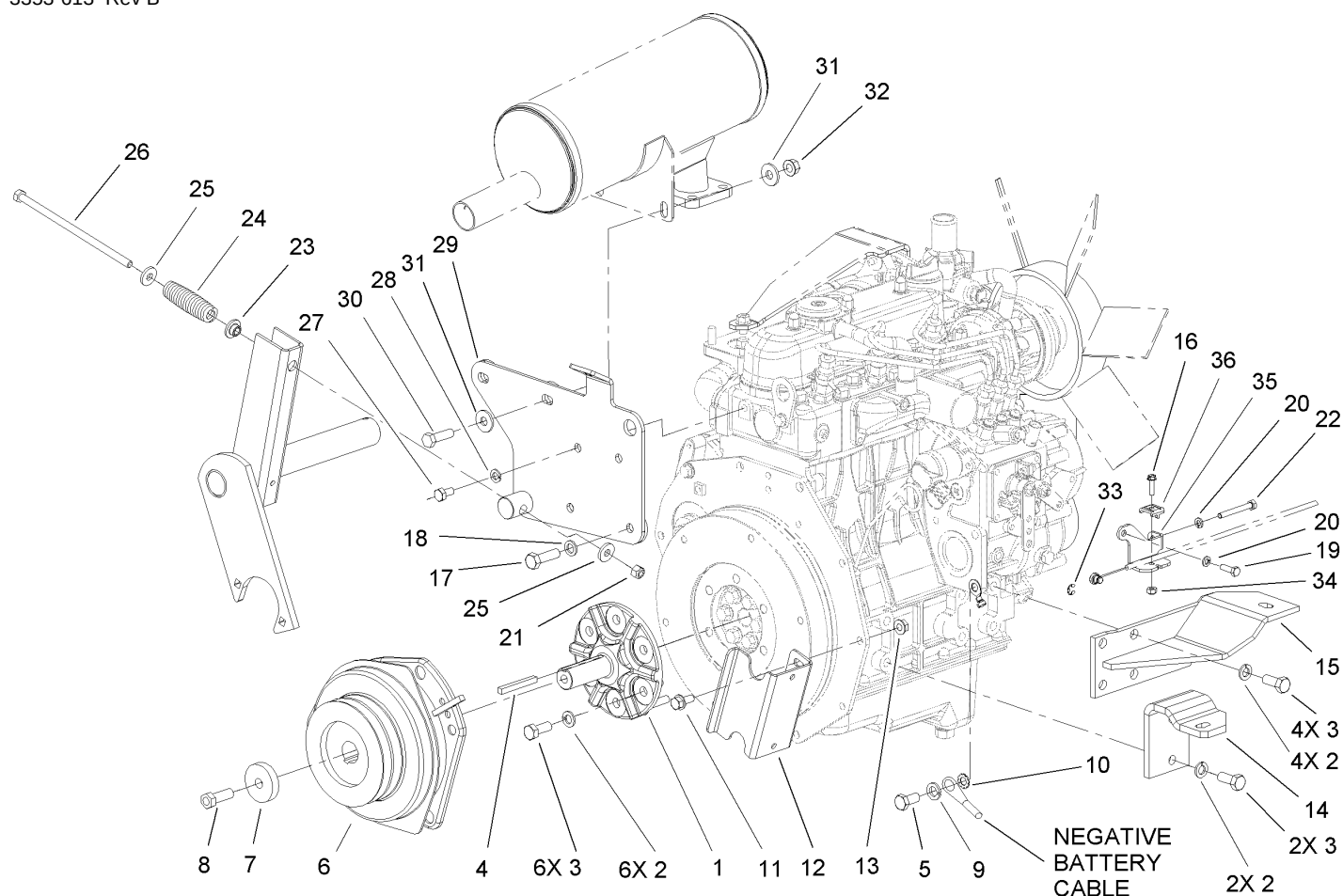
Air Cleaner Assembly No. 104-3427

Ref	Part No.	Qty.	Description				
1	105-4292	1	Nipple-Pipe				
2	104-0497	1	Cover ASM				
6	98-4525	1	Bracket-Cleaner, Air				
7	104-0498	1	Valve-Vacuator				
8	108-3810	1	Filter-Air				
9	93-9164	1	Indicator-Mini				



Engine Assembly No. 1

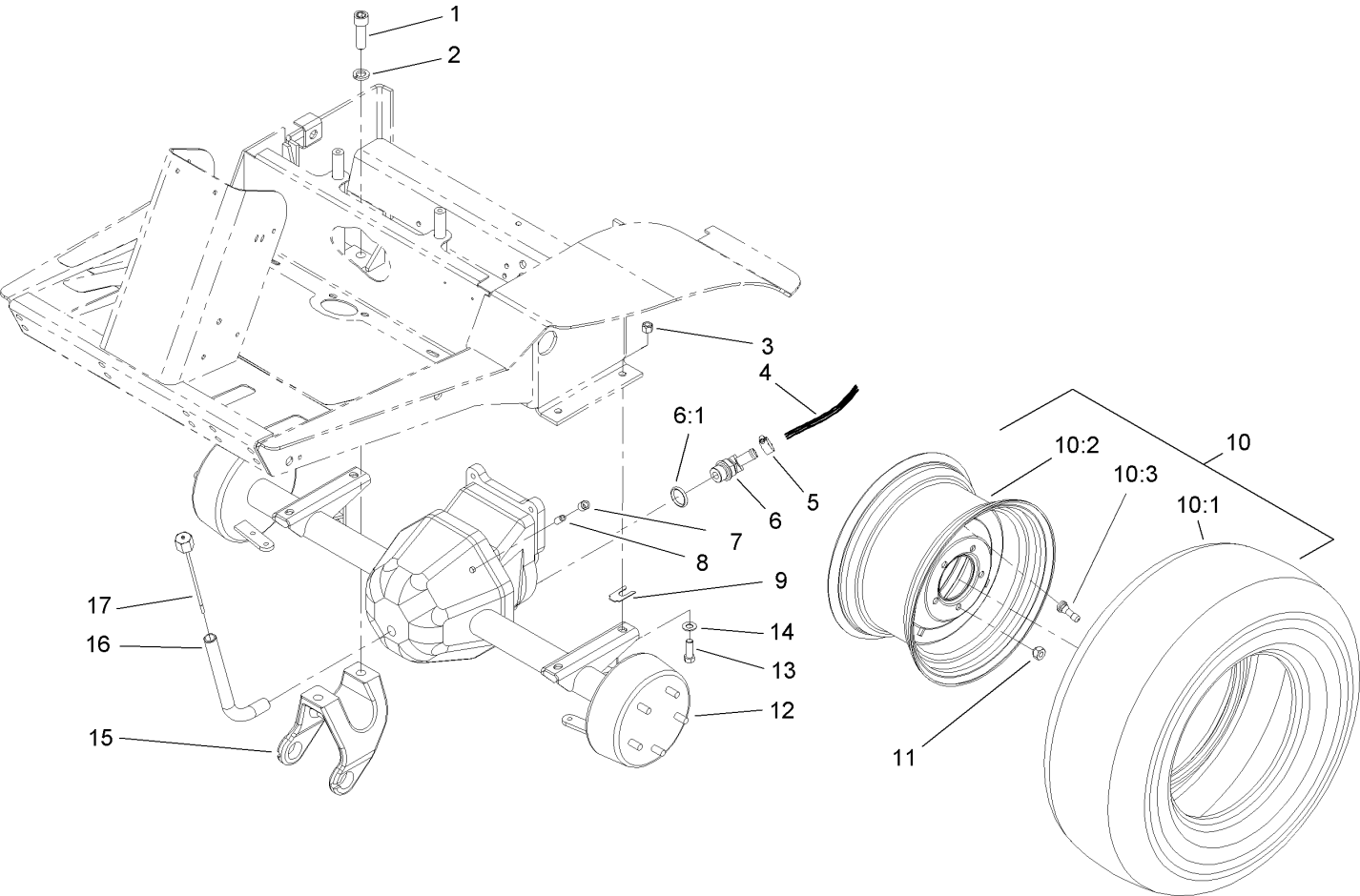
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	108-1361	1	Engine-Kubota	21:3	256-299	2	Bushing-Straight
2	104-3494	1	Belt-V	22	43-0090	8	Screw-HH
3	104-1723	1	Adapter-Front Drive	23	42-9600	8	Washer-Lock, Spring
4	3274-106	3	Screw-HSH	24	104-1702-03	1	Engine Mount ASM
5	33103-020	4	Screw-HHF	25	3-4324	1	Washer-Flat
6	104-4246	1	Fan-Engine	26	3256-78	1	Washer-Flat
7	104-4247	1	Spacer-Fan	27	43-5930	1	Washer-Spring
8	104-3497	1	Pulley-Fan	28	48-7890	1	Nut
9	105-2556-03	1	Brace-Alternator, Upper				
10	33004-00	4	Nut-HF				
11	108-1363	1	Muffler-Exhaust				
12	98-9611	1	Gasket				
13	108-8682	1	Thermoswitch				
14	99-3583	1	Packing				
16	106-4381-03	1	PTO Tension Shaft ASM				
17	3230-4	2	Screw-CARR				
18	92-8799	1	Bearing-Flange				
18:1	251-77	1	Lockcollar-Bearing				
18:2	3245-35	1	Screw-Hs				
18:3	302-40	1	Fitting-Grease				
19	32149-1	2	Nut-Keys				
20	32121-32	1	Pin-Roll				
21	104-3417	1	LH Engine Mount ASM				
21:2	302-5	1	Fitting-Grease				



Engine Assembly No. 2

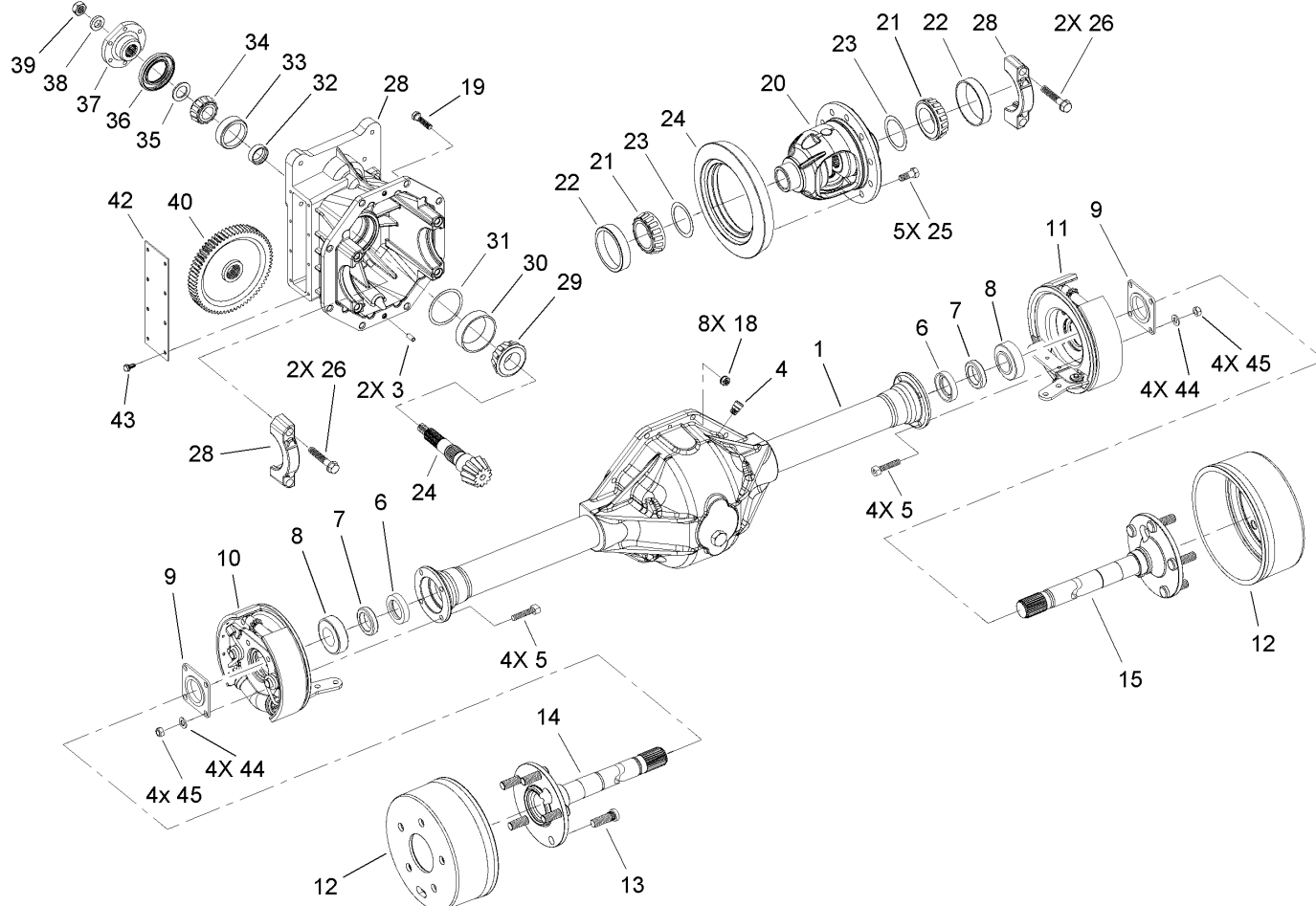
Ref	Part No.	Qty.	Description
1	104-1715	1	Hub-Clutch
2	42-9600	12	Washer-Lock, Spring
3	43-0090	12	Screw-HH
4	18-6430	1	Key-Square
5	63-7790	1	Screw-Cap
6	107-9061	1	Electric Clutch / Brake ASM
7	105-3698	1	Spacer
8	3212-5	1	Screw-HH
9	3253-6	1	Washer-Lock
10	3255-9	1	Washer-Lock, EXT
11	3234-5	2	Screw-HHF
12	108-6586-03	1	Stop-Clutch
13	32128-25	2	Nut-HF
14	104-1713-03	1	Mount-Engine
15	104-1710-03	1	Engine Mount ASM
16	32105-13	1	Screw-SHH
17	56-2140	2	Bolt
18	48-9590	2	Washer-Lock
19	48-7630	1	Screw
20	48-8020	2	Washer-Spring
21	3296-29	1	Nut-Lock, NI
22	33113-050	1	Screw-HH
23	27-6600	1	Spacer-Coupling
24	21-0400-01	1	Spring-Compression

Ref	Part No.	Qty.	Description
25	4-2390	2	Washer-Flat
26	94-7431	1	Bolt-HH
27	33114-016	2	Screw-HH
28	3253-4	2	Washer-Lock
29	108-6561-03	1	Muffler Mount ASM
30	323-44	2	Screw-HH
31	80-6990	4	Washer-Hardened
32	32128-21	2	Nut-HF
33	701197	1	E-Ring
34	3296-2	1	Nut-Lock
35	106-8097-03	1	Bracket-Throttle
36	81-1690	1	Clamp-Cable



Front Axle Assembly

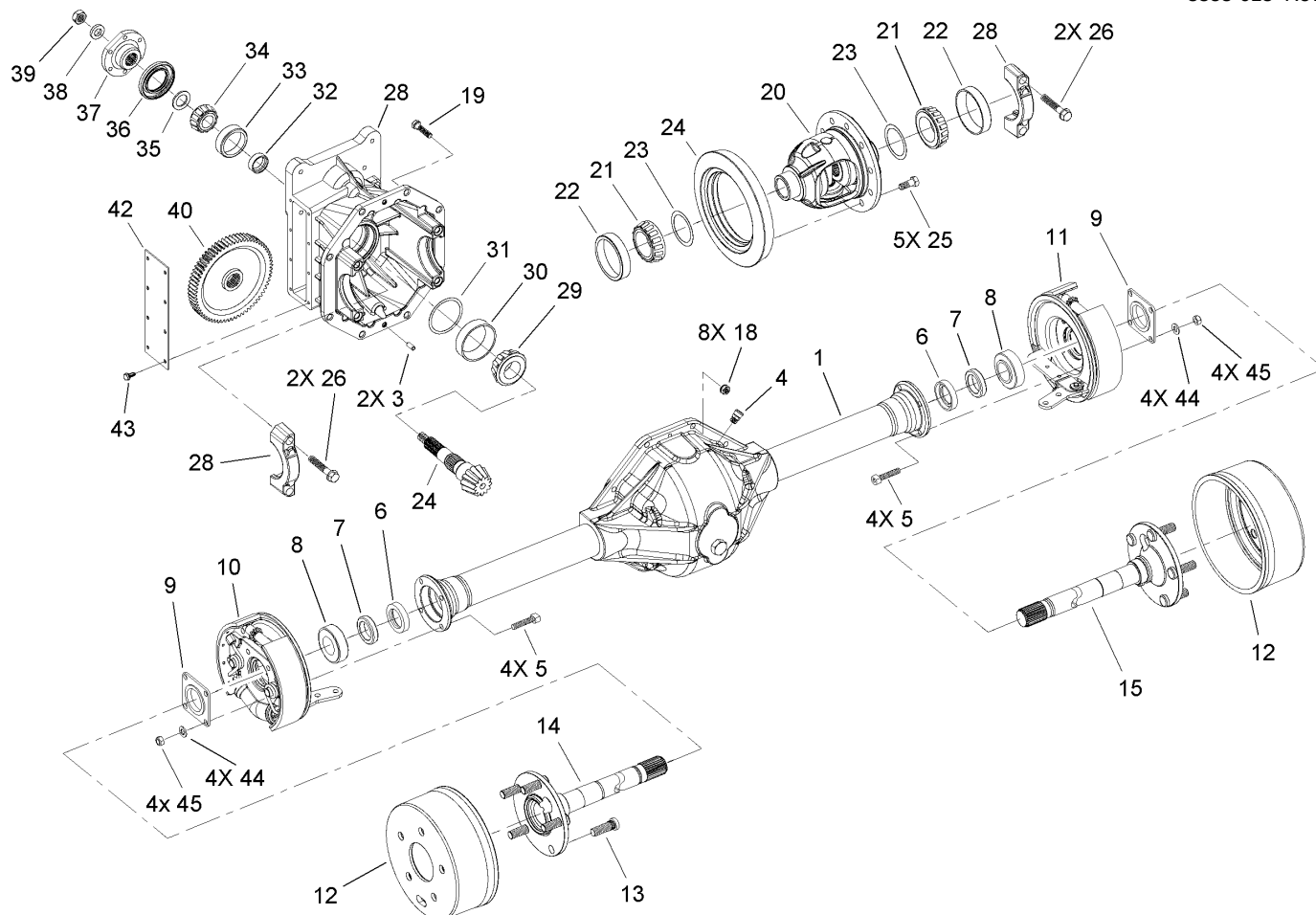
Ref	Part No.	Qty.	Description				
1	3273-38	4	Screw-HSH				
2	3253-8	4	Washer-Lock				
3	3296-48	4	Nut-Lock, NI				
4	92-5083	1	Hose-HYD				
5	2412-119	1	Clamp-Worm				
6	92-5088	1	Fitting-Elbow, 45 DEG				
6:1	237-81	1	O-Ring				
7	2810-1	1	Coupling-Pipe				
8	289-6	1	Nipple-Pipe				
9	42-6080	1	Shim-Axle				
10		2	Wheel And Tire ASM				
10:1	108-6594	1	Tire-Standard				
10:2	108-1358	1	Wheel				
10:3	232-27	1	Stem-Valve				
11	242-50	10	Nut-Lug				
12	108-6599-03	1	Axle ASM				
13	324-5	4	Screw-HH				
14	3256-25	4	Washer-Flat				
15	108-1365-03	2	Bracket-Carrier				
16	105-7169	1	Tube-Fill, Oil				
17	105-7172	1	Dipstick ASM				



Front Axle Assembly No. 108-6599-03

Ref	Part No.	Qty.	Description
1	110-3071	1	Housing-Lower
3	21-8270	2	Pin-Dowel
4	72-9420	1	Vent
5	94-6934	8	Screw-HH
6	24-8840	2	Ring-Retaining, Wheel Bearing
7	92-1774	2	Seal-Oil
8	21-8180	2	Bearing ASM
9	28-0670	2	Seal-Grease
20:1	110-3077	1	Brake ASM, RH
20:2	110-3078	1	Brake ASM, LH
12	110-3072	2	Drum-Brake
13	106-9205	10	Stud-Wheel
14	110-3073	1	Shaft-Axle, RH
15	110-3074	1	Shaft-Axle, LH
18	32149-5	8	Nut-Keps
19	3210-8	8	Screw-HH
20	110-3075	1	Differential ASM
20:1	110-3077	2	Washer-Thrust
20:2	110-3078	2	Gear-Differential
20:3	110-3079	2	Pinion-Differential
21	254-65	2	Cone-Bearing, Roller
22	254-66	2	Cup-Bearing, Roller
23	21-8120	1	Shim-Bearing, Diff. (.030)
23	21-8110	1	Shim-Bearing, Diff. (.010)

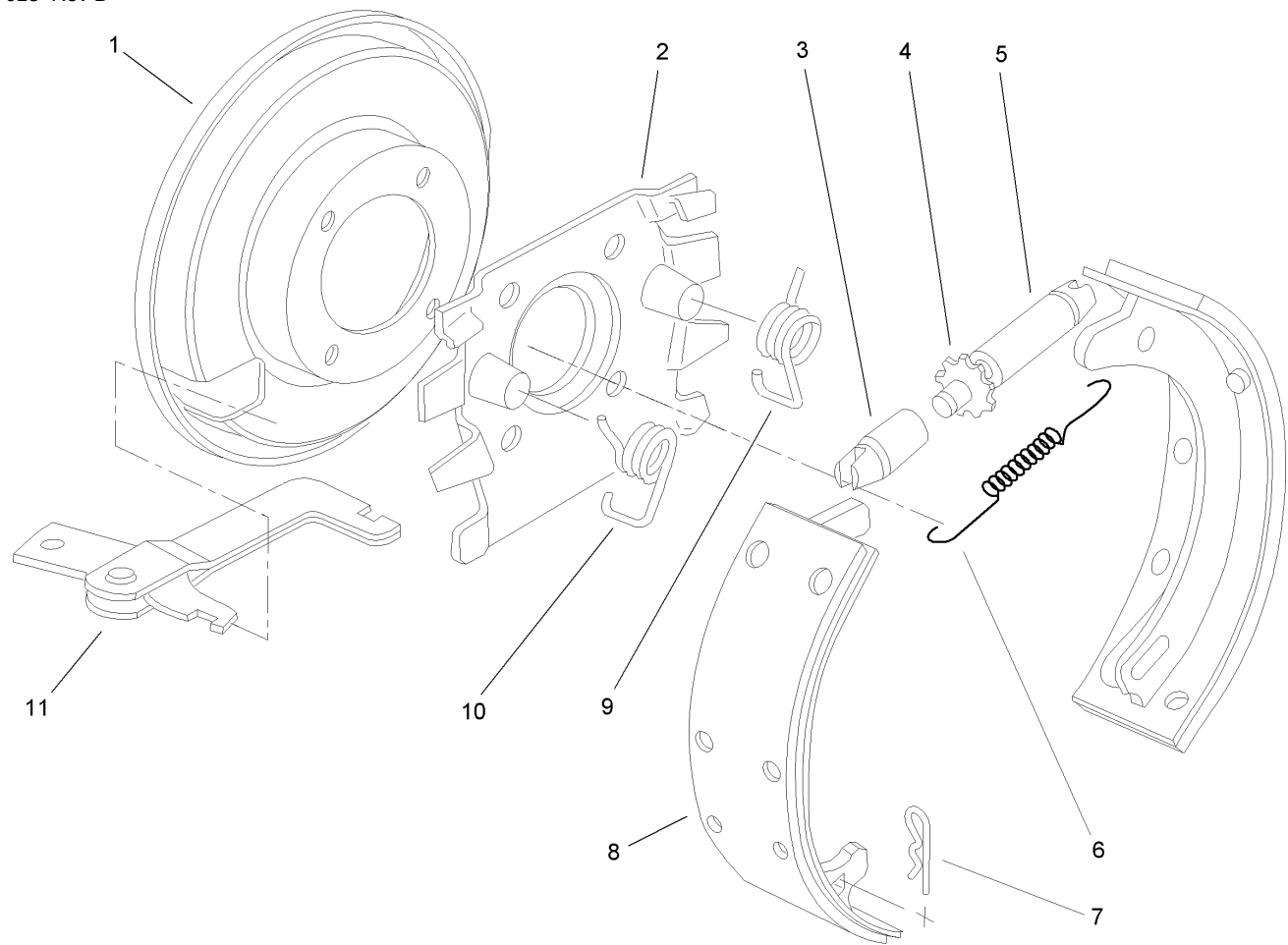
Ref	Part No.	Qty.	Description
23	21-8100	1	Shim-Bearing, Diff. (.005)
23	21-8090	1	Shim-Bearing, Diff. (.003)
24	92-1676	1	Gear And Pinion ASM
25	21-7770	5	Screw-Gear, Drive
26	92-1773	4	Screw-HHF
28	110-3076	1	Carrier ASM
29	43-6760	1	Bearing-Roller, Cone Taper
30	43-6750	1	Bearing-Taper, Cup
31	43-6713	1	Shim-Pinion (.030)
31	43-6712	1	Shim-Pinion (.010)
31	43-6711	1	Shim-Pinion (.005)
31	43-6710	1	Shim-Pinion (.003)
32	21-8020	1	Spacer-Bearing
33	254-90	1	Bearing-Cup
34	254-91	1	Cone-Bearing
35	72-3570	1	Shim-Bearing, Front (.094)
35	72-3588	1	Shim-Bearing, Front (.131)
35	72-3587	1	Shim-Bearing, Front (.129)
35	72-3596	1	Shim-Bearing, Front (.145)
35	72-3597	1	Shim-Bearing, Front (.147)
35	72-3598	1	Shim-Bearing, Front (.149)
35	72-3590	1	Shim-Bearing, Front (.133)
35	72-3575	1	Shim-Bearing, Front (.104)
35	72-3576	1	Shim-Bearing, Front (.106)



Front Axle Assembly No. 108-6599-03 (continued)

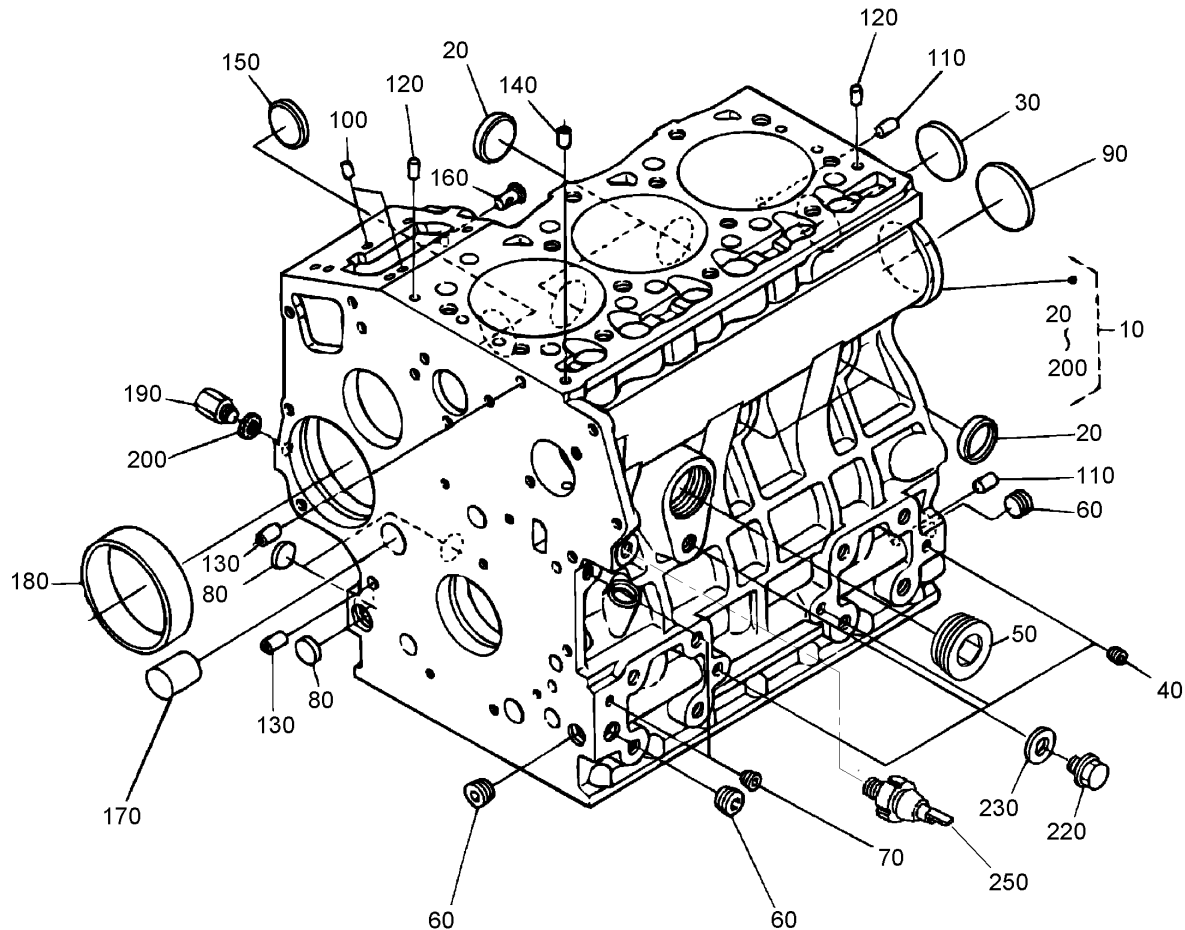
Ref	Part No.	Qty.	Description
35	72-3577	1	Shim-Bearing, Front (.108)
35	72-3574	1	Shim-Bearing, Front (.102)
35	72-3573	1	Shim-Bearing, Front (.100)
35	72-3572	1	Shim-Bearing, Front (.098)
35	72-3571	1	Shim-Bearing, Front (.096)
35	72-3582	1	Shim-Bearing, Front (.116)
35	72-3581	1	Shim-Bearing, Front (.114)
35	72-3580	1	Shim-Bearing, Front (.112)
35	72-3578	1	Shim-Bearing, Front (.110)
35	72-3586	1	Shim-Bearing, Front (.127)
35	72-3585	1	Shim-Bearing, Front (.125)
35	72-3584	1	Shim-Bearing, Front (.120)
35	72-3595	1	Shim-Bearing, Front (.143)
35	72-3594	1	Shim-Bearing, Front (.141)
35	72-3593	1	Shim-Bearing, Front (.139)
35	72-3592	1	Shim-Bearing, Front (.137)
35	72-3591	1	Shim-Bearing, Front (.135)
35	72-3600	1	Shim-Bearing, Front (.151)
35	72-3583	1	Shim-Bearing, Front (.118)
36	71-4330	1	Seal
37	68-7010	1	Flange
38	71-4340	1	Washer
39	71-4350	1	Nut
40	86-7230	1	Gear-Input, Transmission

Ref	Part No.	Qty.	Description
42	21-7830	1	Cover-Gear
43	12-5450	8	Screw
44	94-6936	8	Washer-Hardened
45	94-6935	8	Locknut



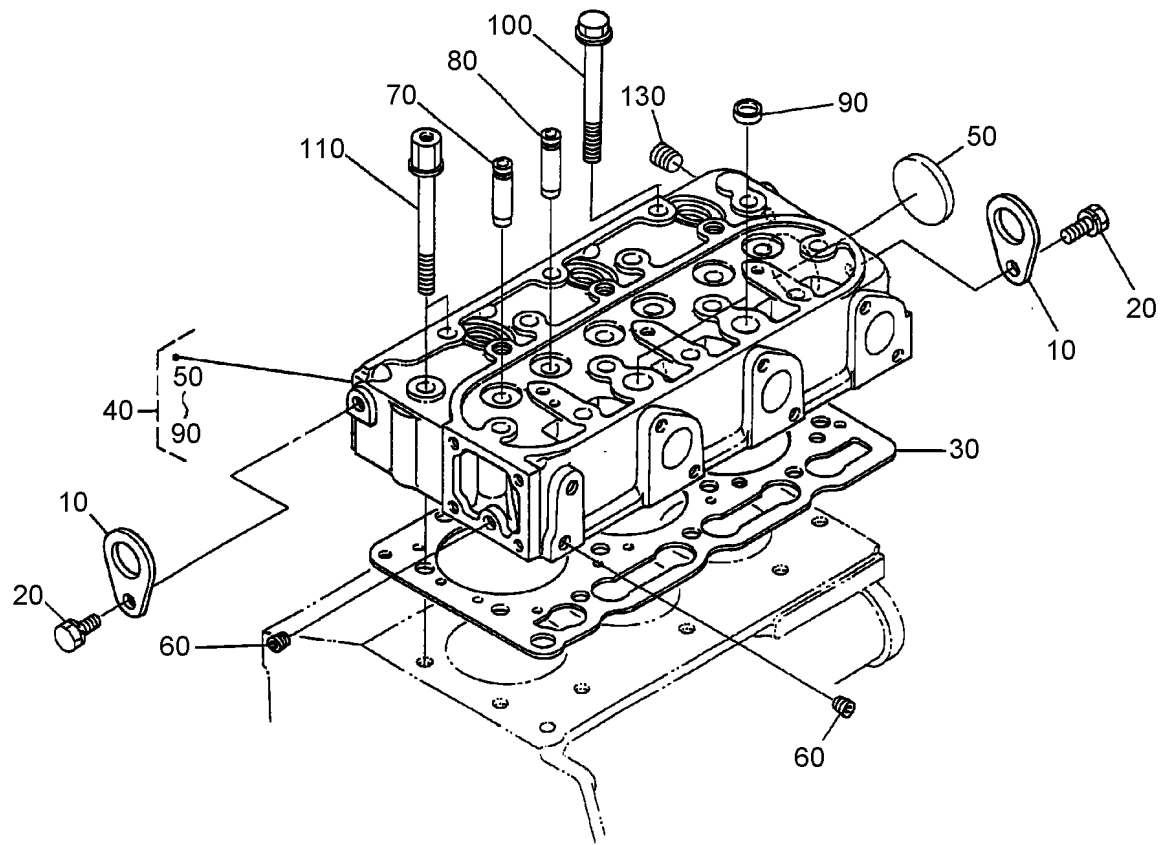
Right and Left Hand Brake Assembly

Ref	Part No.	Qty.	Description				
1	21-9450	1	Shield-Dust				
2	43-6810	1	Spider-Torque				
3	21-9390	1	Socket-Screw, Adjusting				
4	21-9370	1	Screw-Adjusting				
5	21-9380	1	Nut-Pivot				
6	21-9440	1	Spring-Screw, Adjusting				
7	21-9460	2	Retainer-Lever, Brake				
8	84-8600	1	Set-Shoes, Lined				
9	21-9430	1	Spring-Return, RH				
10	21-9420	1	Spring-Return, LH				
11	24-9180	1	Strut And Lever ASM				
12	92-8775	1	Liquid Gasket Kit				



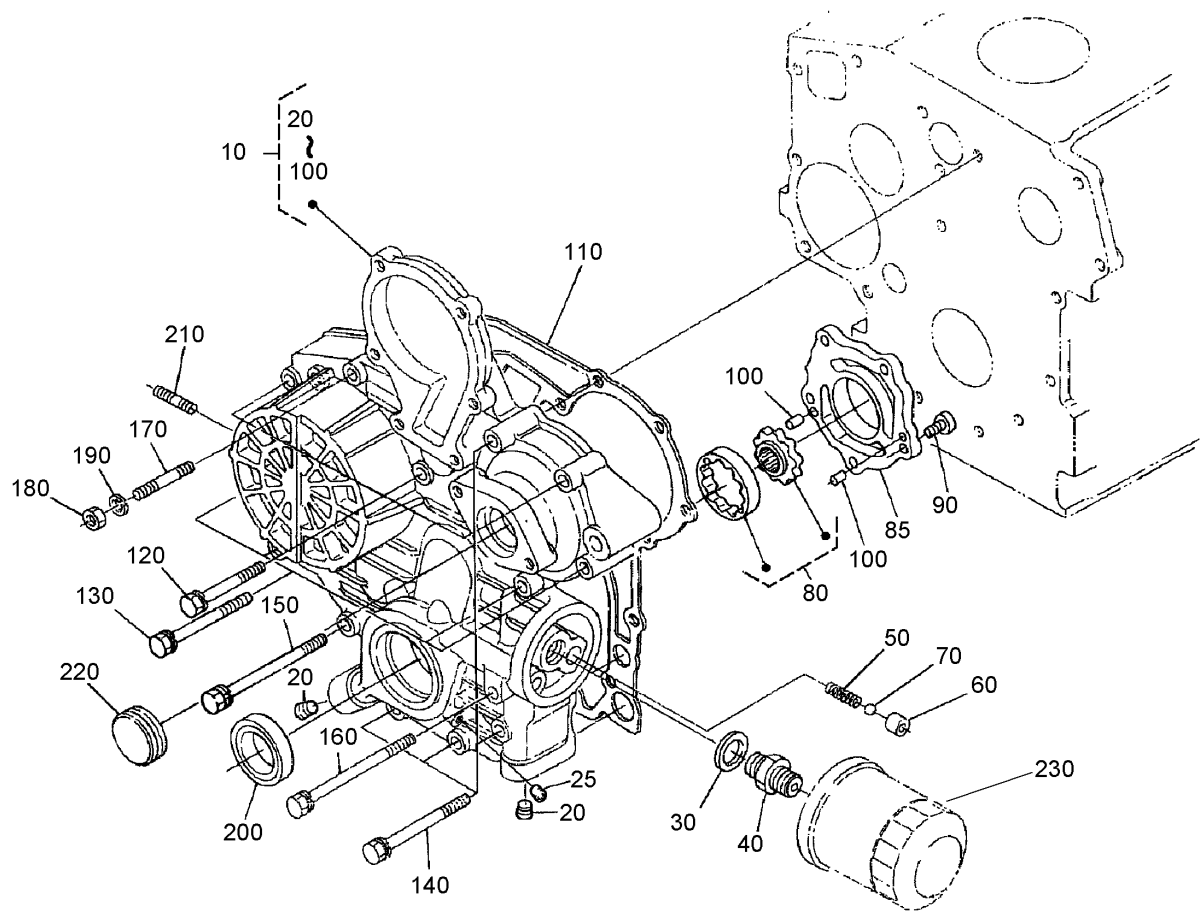
Crankcase Assembly

Ref	Part No.	Qty.	Description				
10	108-6571	1	Crankcase ASM				
20	98-9398	4	Cap-Sealing				
30	98-7539	1	Cap-Sealing				
40	98-7540	3	Plug				
50	105-3779	1	Plug				
60	98-9597	3	Plug				
70	98-7487	2	Plug				
80	98-7489	3	Plug				
90	98-9668	1	Plug				
100	98-9375	2	Pin-Straight				
110	98-9377	2	Pin-Straight				
120	105-3795	2	Pin-Straight				
130	98-9387	2	Pin-Pipe				
140	98-9539	1	Pin-Pipe				
150	98-9599	1	Plug				
160	98-9630	1	Pin-Spring, Start				
170	98-9675	1	Plug				
180	98-9656	1	Bushing-Governor, Gear				
190	98-7507	1	Plug				
200	98-7428	1	Gasket				
220	99-3447	1	Plug				
230	106-7056	1	Gasket				
250	98-9416	1	Switch-Oil				



Cylinder Head Assembly

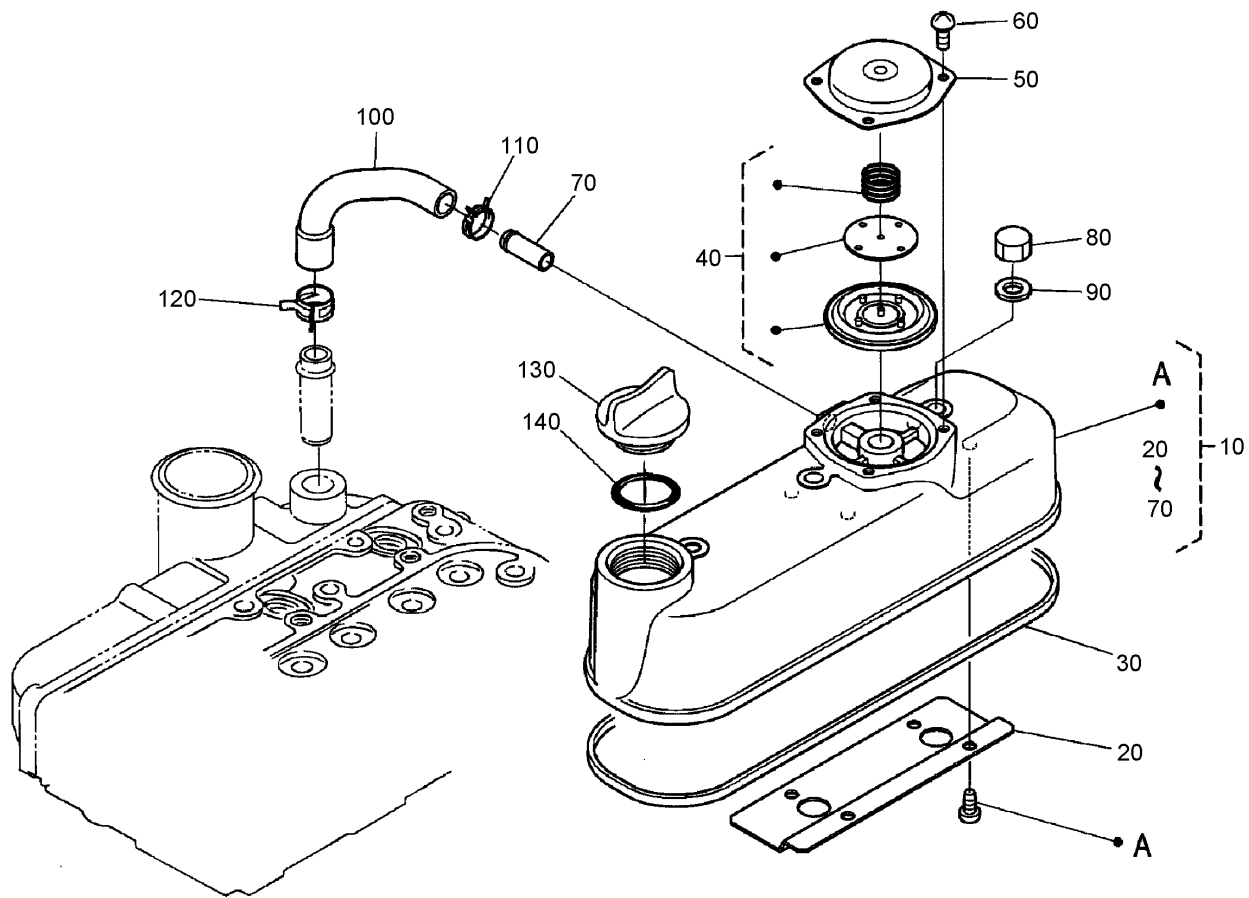
Ref	Part No.	Qty.	Description				
10	98-7531	2	Hook-Engine				
20	100-9195	2	Bolt				
30	108-6573	1	Gasket-Head, Cylinder				
40	108-6574	1	Cylinder Head ASM				
50	98-9395	1	Cap-Sealing				
60	98-7540	2	Plug				
70	107-9066	3	Guide-Valve, Inlet				
80	107-9067	3	Guide-Valve, Exhaust				
90	98-9389	2	Cap-Sealing				
100	98-9479	1	Bolt-Head, Cylinder				
110	98-9647	2	Bolt-Head, Cylinder				
130	98-9444	1	Plug				



Gear Case Assembly

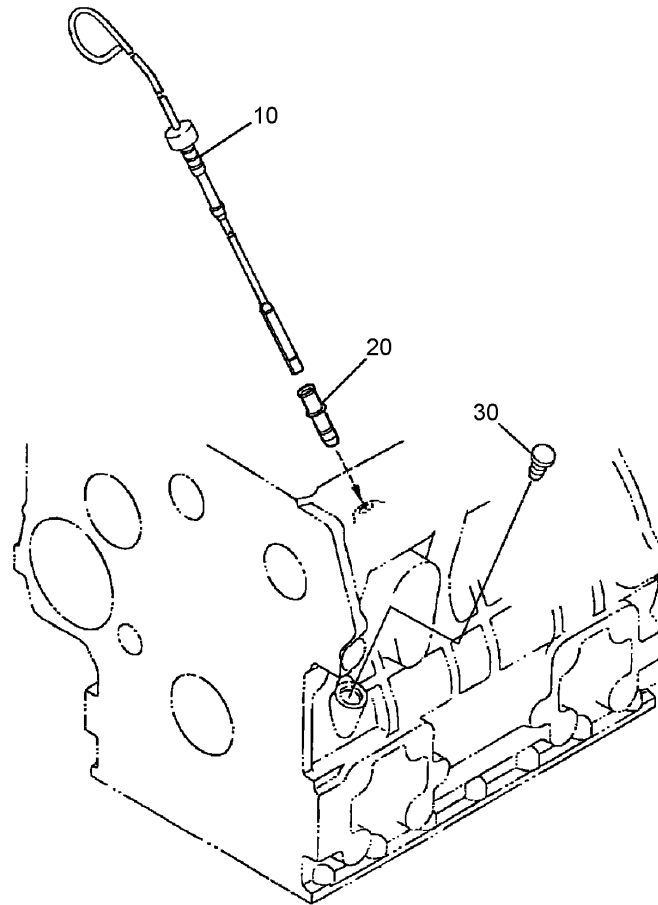
Ref	Part No.	Qty.	Description
10	107-9068	1	Gear Case ASM
20	98-9598	2	Plug
25	98-7487	1	Plug
30	98-7562	1	Washer-Plain
40	98-9388	1	Joint-Pipe
50	98-9544	1	Spring
60	98-9543	1	Seat-Valve
70	98-9380	1	Ball
80	98-9540	1	Oil Pump Rotor ASM
85	107-9069	1	Cover-Pump, Oil
90	107-9071	5	Screw
100	107-9072	2	Pin-Straight
110	98-9633	1	Gasket-Case, Gear
120	107-9073	3	Bolt
130	105-3797	4	Bolt
140	98-9356	4	Bolt
150	107-9074	1	Bolt
160	98-9586	1	Bolt
170	105-3709	1	Stud
180	98-7572	1	Nut
190	98-7699	1	Washer-Spring
200	98-9482	1	Seal-Oil
210	105-3710	2	Stud
220	98-9641	1	Cover

Ref	Part No.	Qty.	Description
230	104-5167	1	Filter-Oil



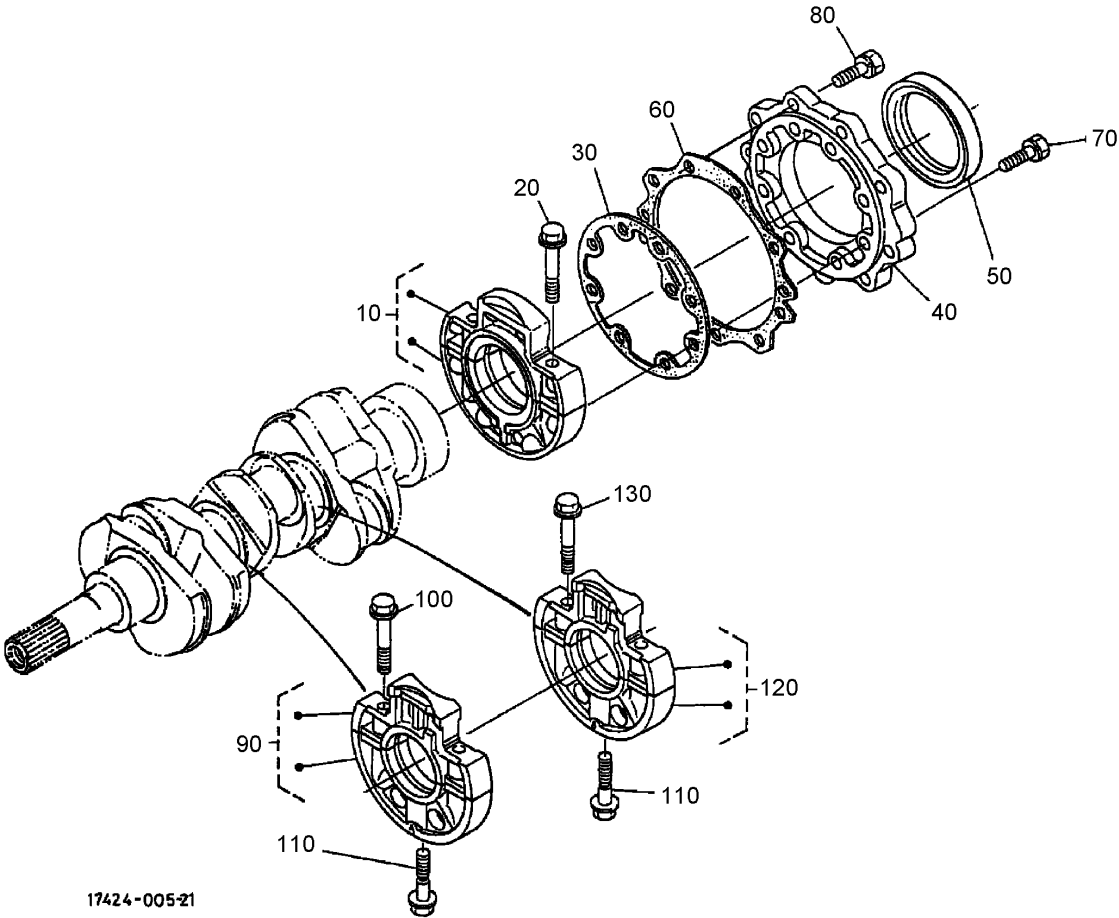
Head Cover Assembly

Ref	Part No.	Qty.	Description				
10	108-6575	1	Cylinder Head Cover ASM				
20	108-2857	1	Shield-Breather				
30	98-9615	1	Gasket-Cover, Head				
40	108-2861	1	Breather Valve ASM				
50	108-2862	1	Cover-Breather				
60	108-2863	4	Screw-PPH				
70	98-7766	1	Pipe-Return, Water				
80	98-9455	3	Nut-Cap				
90	98-9454	3	Gasket				
100	108-2858	1	Tube-Beather				
110	108-2859	1	Clamp-Hose				
120	108-2860	1	Clamp-Hose				
130	107-9075	1	Plug-Filler, Oil				
140	99-3446	1	O-Ring				



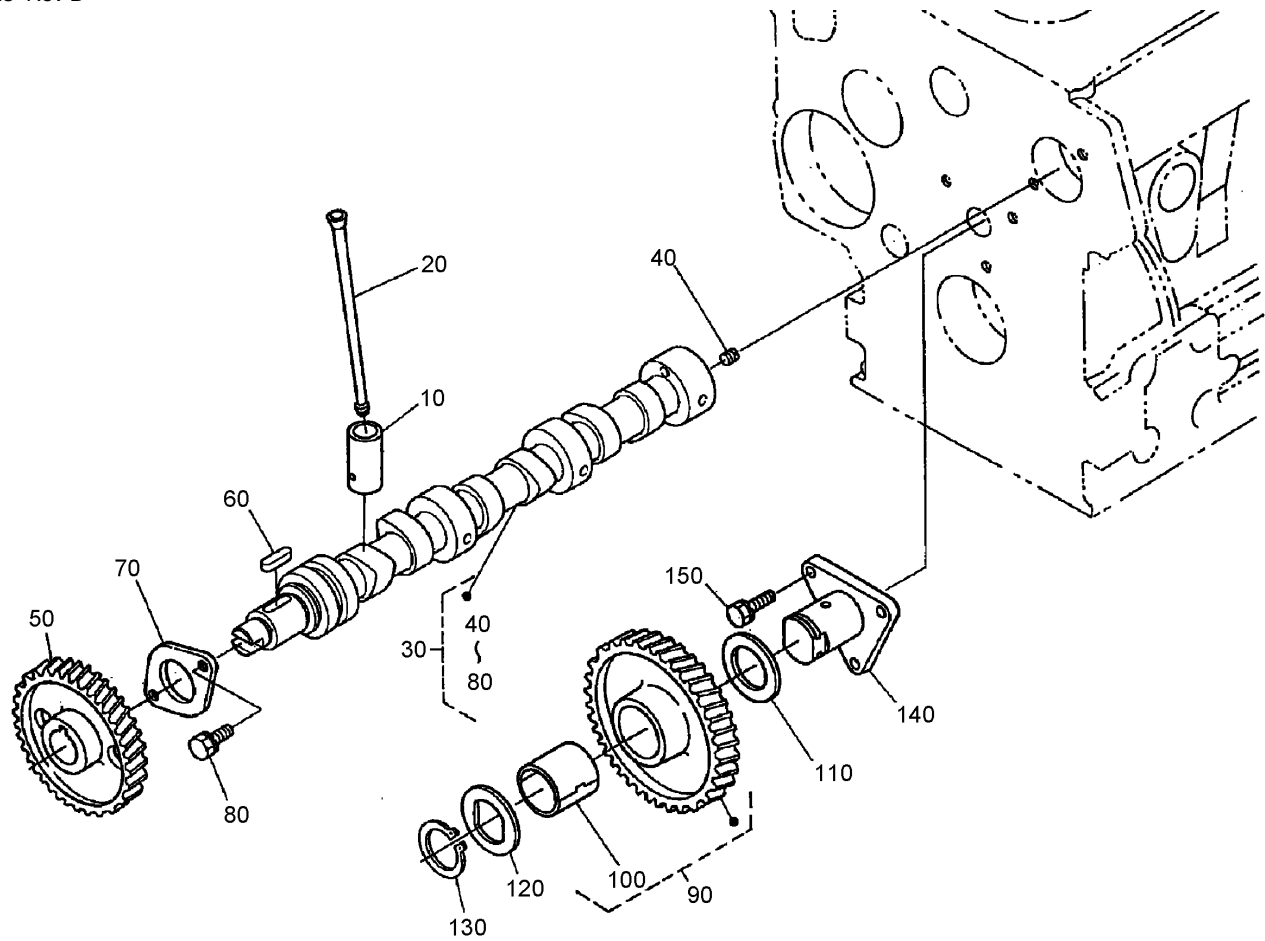
Dip Stick and Guide Assembly

Ref	Part No.	Qty.	Description
10	107-9076	1	Gauge-Oil
20	105-3713	1	Guide-Gauge, Oil
30	105-3715	1	Plug-Gauge, Oil



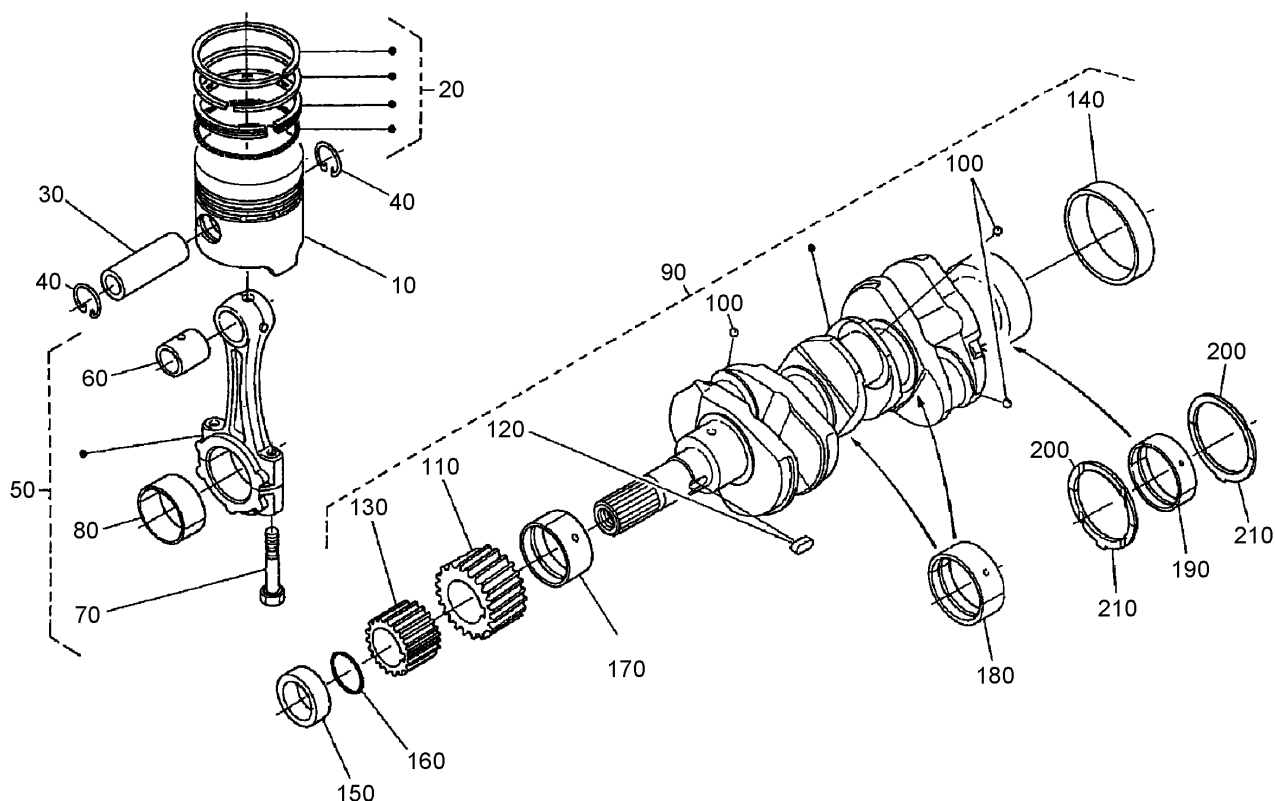
Main Bearing Case Assembly

Ref	Part No.	Qty.	Description				
10	98-9480	1	Main Bearing Case ASM				
20	98-9484	6	Bolt-Case, Bearing				
30	98-9634	1	Gasket-Case, Bearing				
40	98-9487	1	Cover-Case, Bearing				
50	98-9483	1	Seal-Oil				
60	98-9635	1	Gasket-Cover, Bearing Case				
70	98-9352	8	Bolt				
80	98-7568	9	Bolt				
90	98-9606	1	Main Bearing Case ASM				
100	98-9484	2	Bolt-Case, Bearing				
110	98-9485	2	Bolt-Case, Bearing				
120	98-9607	1	Main Bearing Case ASM				
130	98-9484	2	Bolt-Case, Bearing				



Camshaft and Idle Gear Shaft Assembly

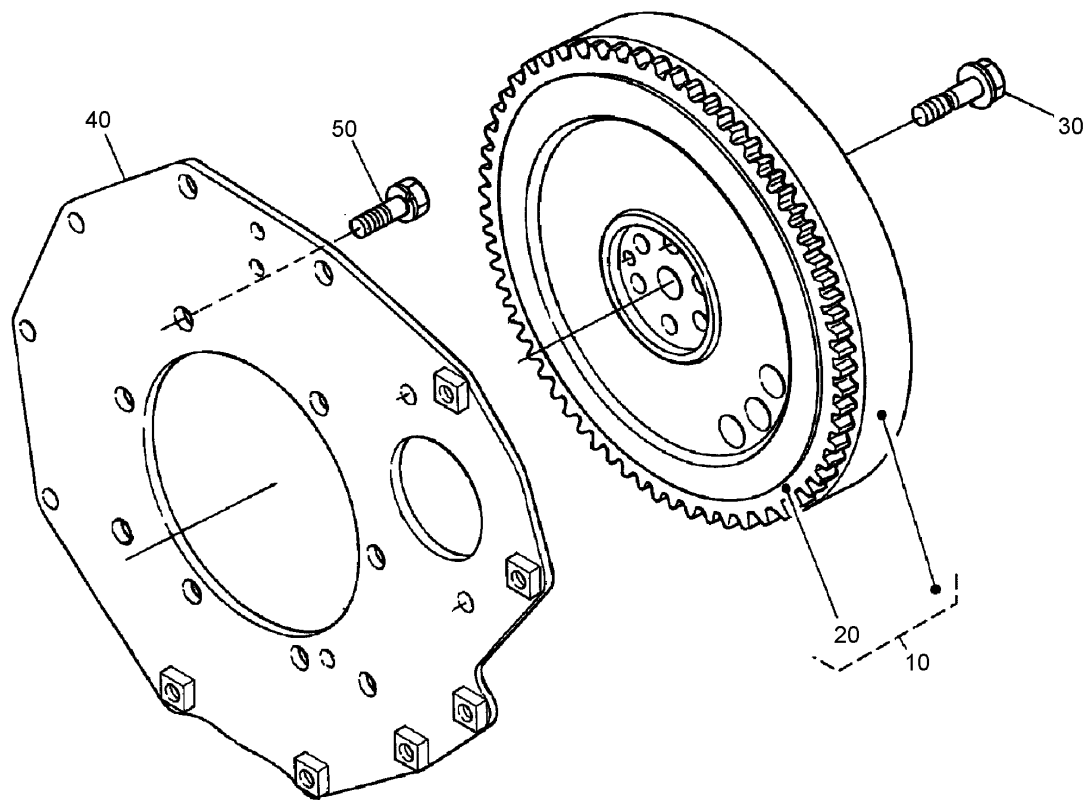
Ref	Part No.	Qty.	Description				
10	98-9616	6	Tappet				
20	98-9509	6	Rod-Push				
30	108-6576	1	Camshaft ASM				
40	98-7449	1	Screw-Set				
50	98-9512	1	Gear-Cam				
60	98-9378	1	Key-Feather				
70	98-9510	1	Stopper-Camshaft				
80	98-9351	2	Bolt				
90	98-9649	1	Idle Gear ASM				
100	98-9650	1	Bushing-Gear, Idle				
110	98-9535	1	Collar-Gear, Idle				
120	98-9536	1	Collar-Gear, Idle				
130	98-9534	1	Clip-Circular, Idle Gear				
140	98-9533	1	Shaft-Gear, Idle				
150	98-7692	3	Bolt				



Piston and Crankshaft Assembly

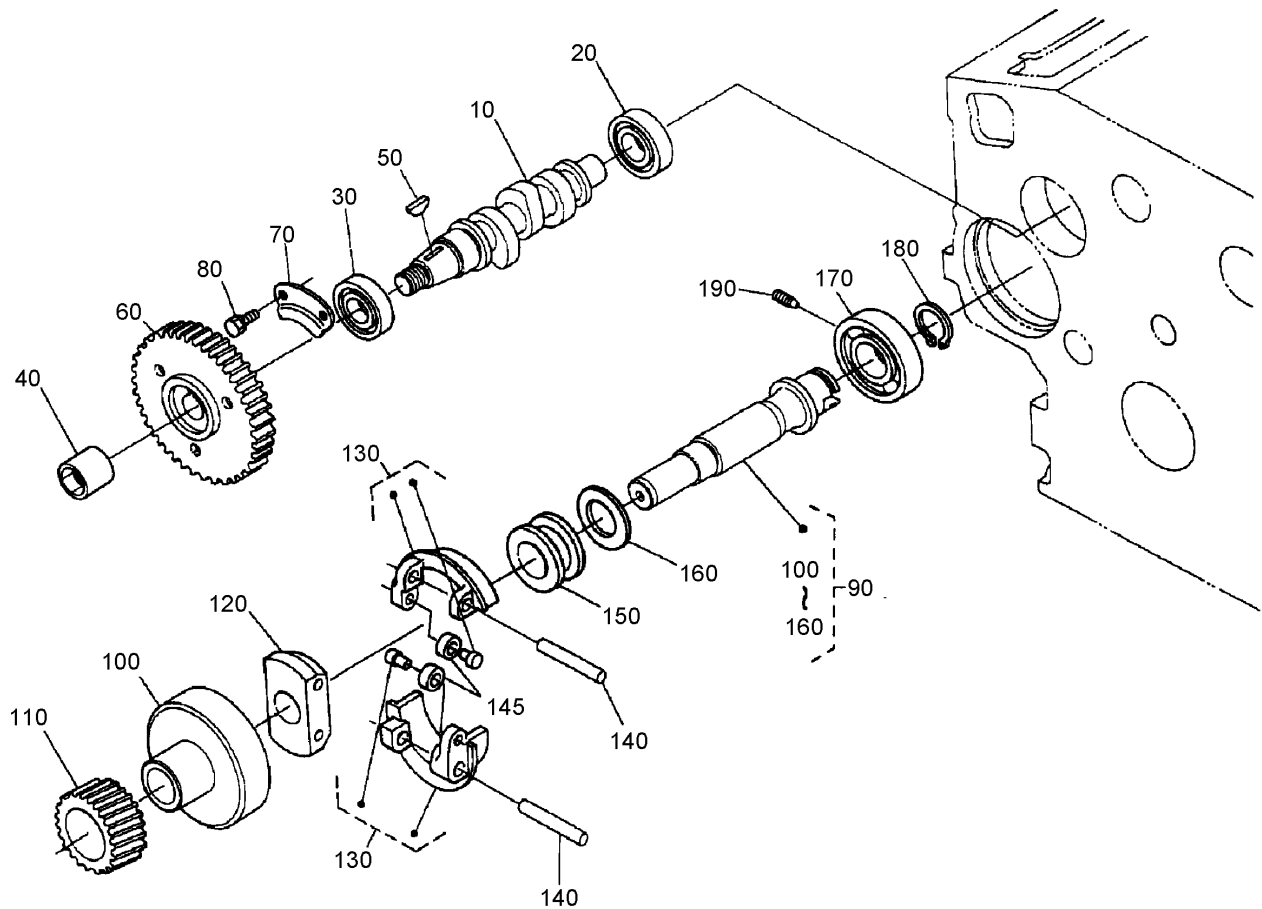
Ref	Part No.	Qty.	Description
10	98-9470	3	Piston (0.5Mm)
10	98-9469	3	Piston (STD)
20	98-9619	3	Piston Ring ASM (0.5Mm)
20	98-9618	3	Piston Ring ASM (STD)
30	98-9513	3	Pin-Piston
40	98-9514	6	Clip-Circular, Piston Pin
50	98-9516	3	Connecting Rod ASM
60	98-9515	3	Bushing-Pin, Piston
70	98-9517	6	Bolt-Rod, Connecting
80	98-9520	3	Bearing-Rod (0.4Mm)
80	98-9519	3	Bearing-Rod (0.2Mm)
80	98-9518	3	Metal-Crankpin (STD)
90	98-9642	1	Crankshaft ASM
100	98-7473	3	Ball
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	98-9523	1	Metal Crankshaft (STD)
170	98-9528	1	Bearing-Main (0.2Mm)
170	98-9529	1	Bearing-Main (0.4Mm)
180	98-9524	2	Metal-Crankshaft (STD Set)

Ref	Part No.	Qty.	Description
180	98-9530	2	Bearing-Main (0.2Mm)
180	98-9531	2	Bearing-Main (0.4Mm)
190	98-9556	1	Bearing-Main (STD)
190	105-3719	1	Metal-Crankshaft (.2Mm)
190	105-3720	1	Metal-Crankshaft (.4Mm)
200	98-9413	2	Bearing-Thrust (STD)
200	98-9414	2	Bearing-Thrust (0.2Mm)
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)



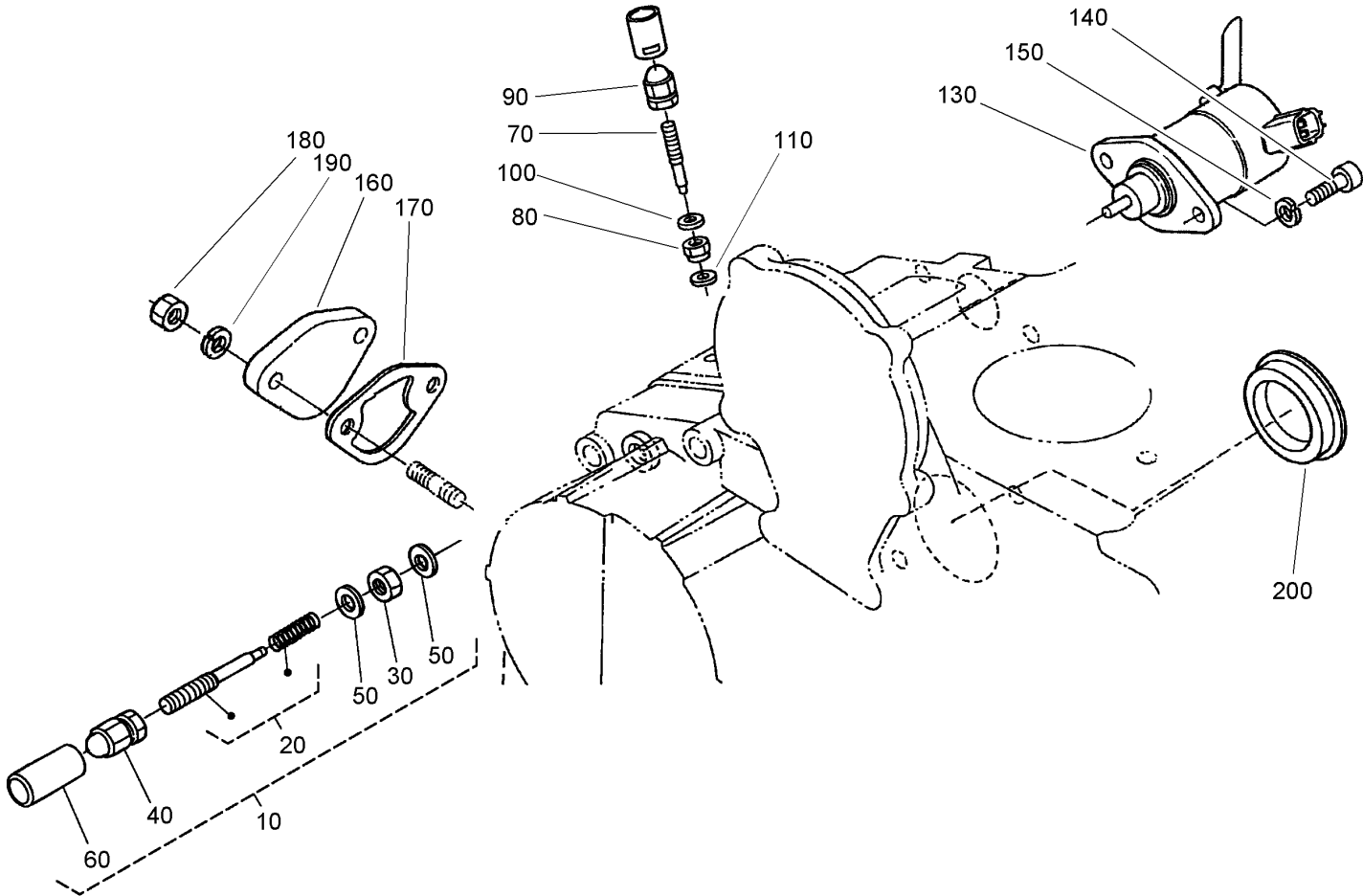
Flywheel Assembly

Ref	Part No.	Qty.	Description				
10	105-3784	1	Flywheel ASM				
20	105-3722	1	Gear-Ring				
30	98-9537	6	Bolt-Flywheel				
40	98-9486	1	Plate-End, Rear				
50	98-9392	8	Bolt				



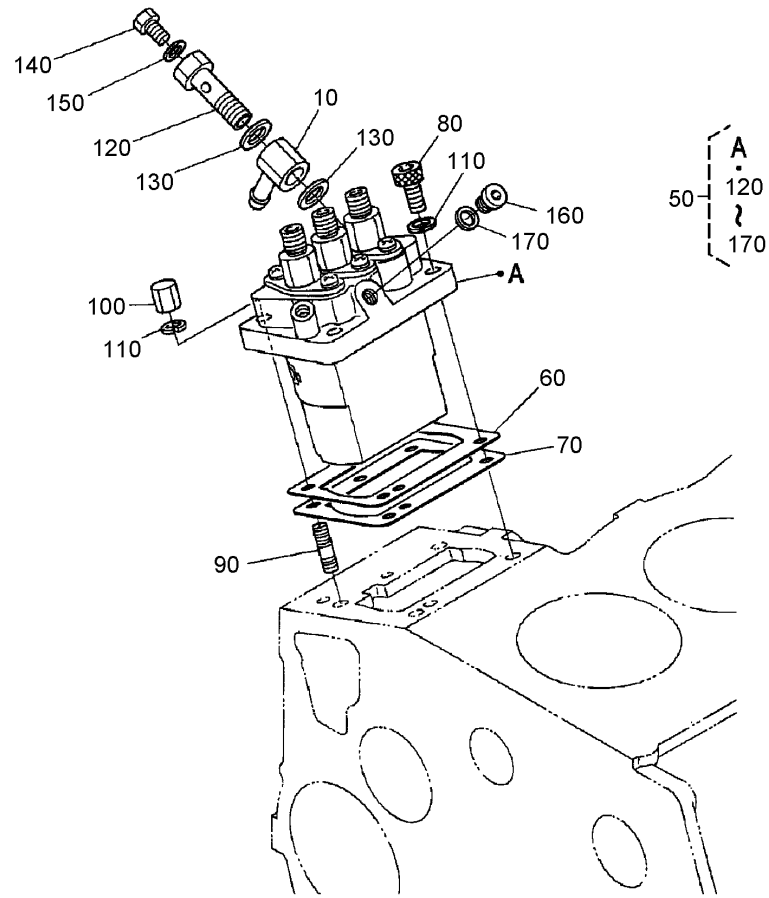
Fuel Camshaft and Governor Shaft Assembly

Ref	Part No.	Qty.	Description				
10	98-9459	1	Camshaft-Fuel				
20	107-9077	1	Bearing-Ball				
30	107-9078	1	Bearing-Ball				
40	98-9590	1	Nut-Cap				
50	98-9595	1	Key-Woodruff				
60	98-9669	1	Gear-Pump, Injection				
70	98-9511	1	Stopper-Fuel, Camshaft				
80	98-9350	2	Bolt				
90	98-9644	1	Governor Shaft ASM				
100	98-9562	1	Holder-Gear, Governor				
110	98-9673	1	Gear-Governor				
120	98-9561	1	Holder-Weight, Governor				
130	98-9559	2	Governor Weight ASM				
140	98-9560	2	Shaft-Weight, Governor				
145	98-9692	2	Roller				
150	98-9563	1	Sleeve-Governor				
160	98-9564	1	Washer-Thrust				
170	107-9079	1	Bearing-Ball				
180	98-9657	1	Clip-Circular, Governor Shaft				
190	98-9565	1	Screw-Set				



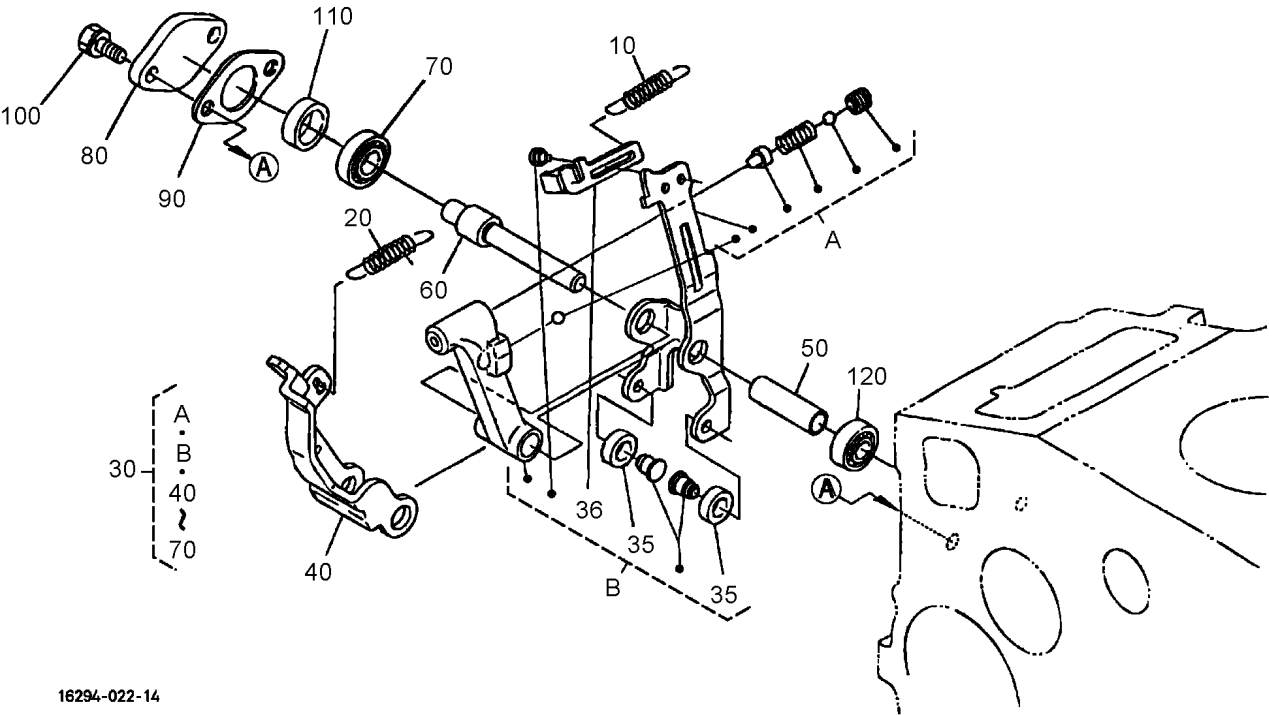
Idle Apparatus Assembly

Ref	Part No.	Qty.	Description				
10	98-9678	1	Idle Apparatus ASM				
20	98-9679	1	Adjusting Bolt ASM				
30	98-9439	1	Nut				
40	99-8387	1	Nut-Cap				
50	98-7654	2	Gasket				
60	98-7656	1	Cap				
70	98-9557	1	Bolt-Adjusting				
80	99-3512	1	Nut				
90	99-8387	1	Nut-Cap				
100	98-7654	1	Gasket				
110	107-9081	1	Gasket				
130	104-5155	1	Solenoid-Stop				
140	105-3799	2	Bolt-HSH				
150	98-7699	2	Washer-Spring				
160	99-3514	1	Cover				
170	98-9636	1	Gasket-Pump, Fuel				
180	98-7572	2	Nut				
190	98-7699	2	Washer-Spring				
200	98-9640	1	Cover-Pump				



Injection Pump Assembly

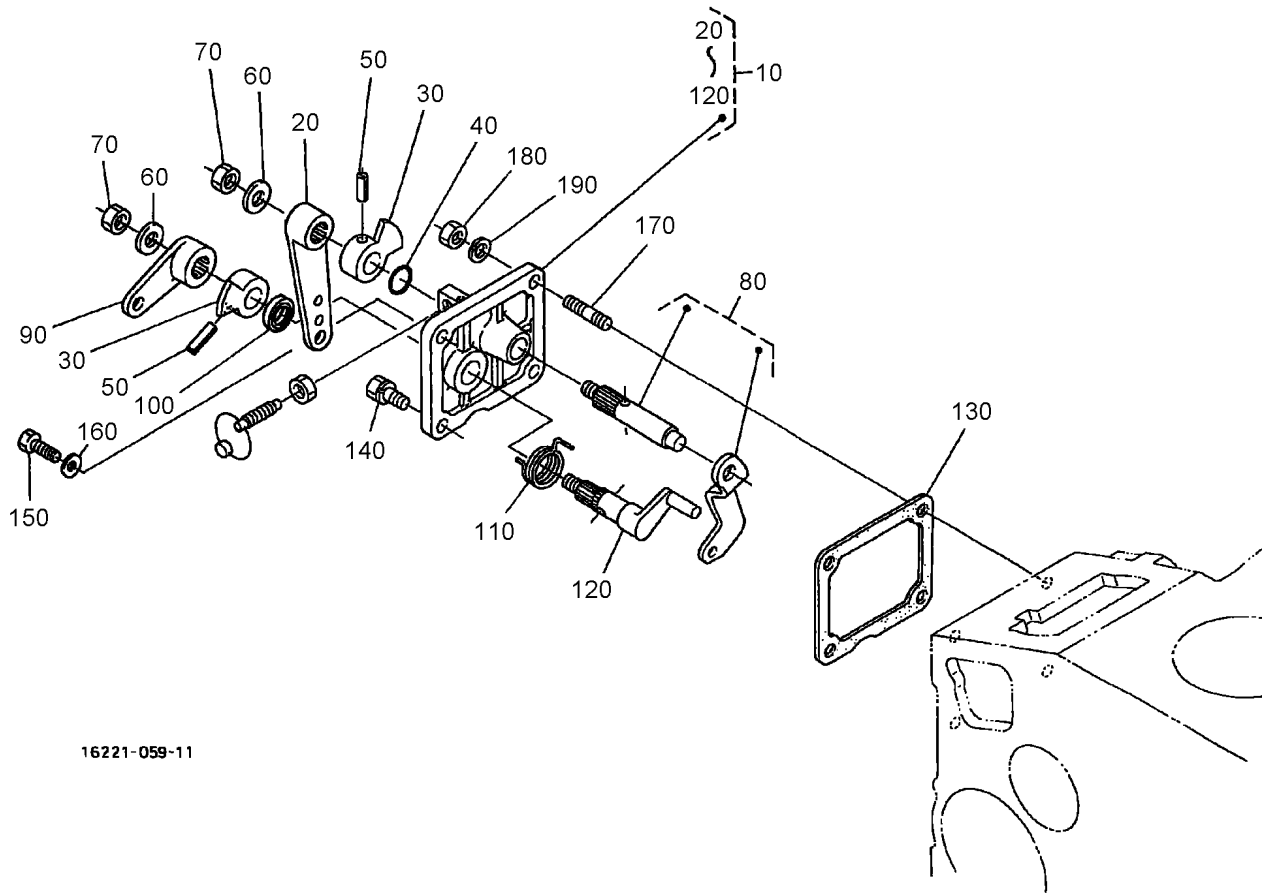
Ref	Part No.	Qty.	Description				
10	98-9596	1	Joint-Eye				
50	98-9643	1	Injection Pump ASM				
60	98-9457	1	Shim-Injection (0.25Mm)				
60	98-9456	1	Shim (0.2Mm)				
70	98-9458	1	Shim-Injection (0.30Mm)				
80	98-9361	2	Bolt-HSH				
90	98-9438	2	Stud				
100	98-9440	2	Nut-Cap				
110	98-7699	4	Washer-Spring				
120	98-9464	1	Bolt-Joint				
130	98-9445	2	Gasket				
140	98-9430	1	Screw				
150	98-9446	1	Gasket				
160	98-9466	1	Plug				
170	98-9451	1	Gasket				



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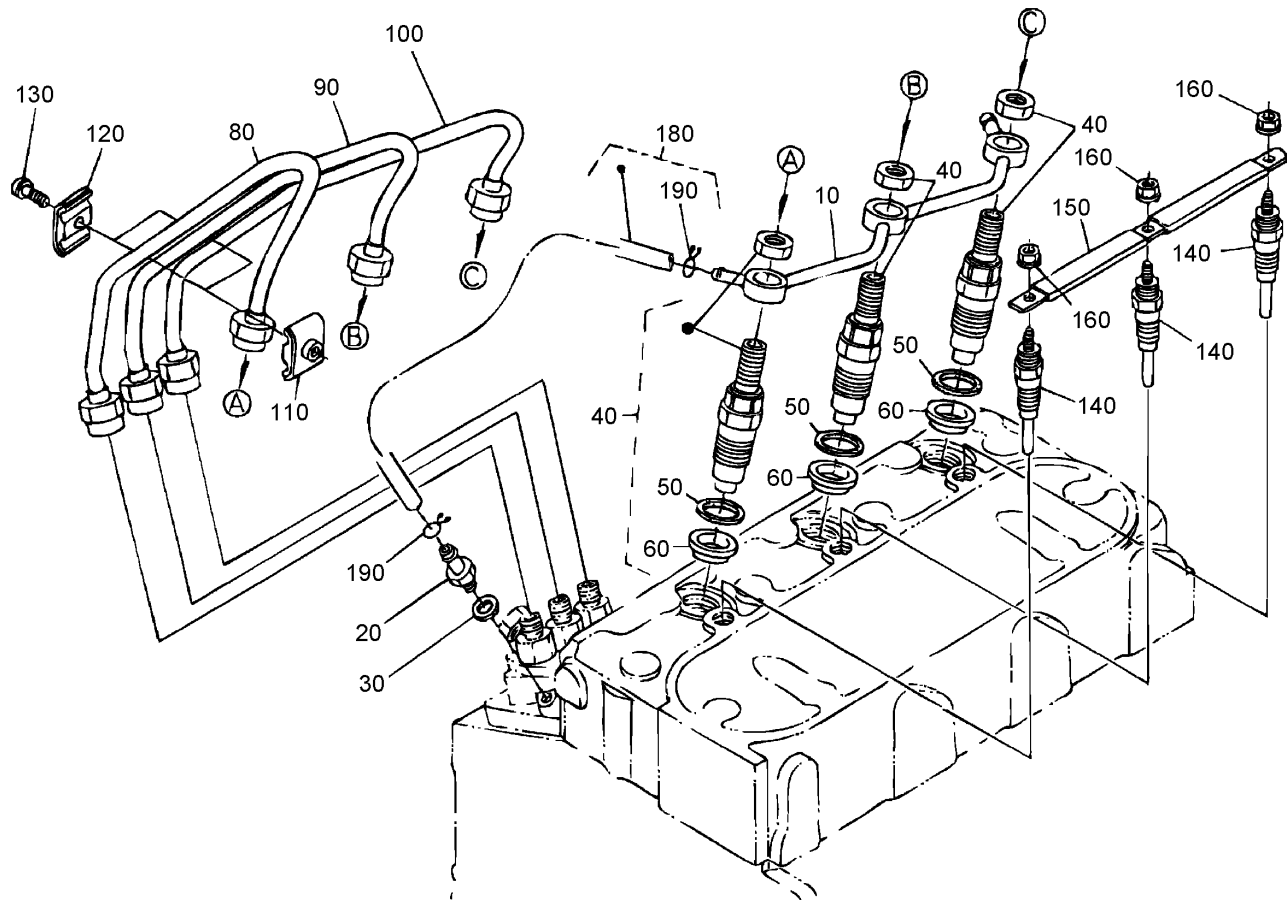
Governor Assembly

Ref	Part No.	Qty.	Description				
10	105-3786	1	Spring-Start				
20	98-9681	1	Spring-Governor				
30	107-9082	1	Fork Lever ASM				
35	98-9692	2	Roller				
36	107-9083	1	Lever-Thrust				
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	98-9569	1	Cover-Shaft, Fork Lever				
90	98-9682	1	Gasket				
100	98-9351	2	Bolt				
110	98-9567	1	Collar				
120	98-9571	1	Bearing-Miniaturize				



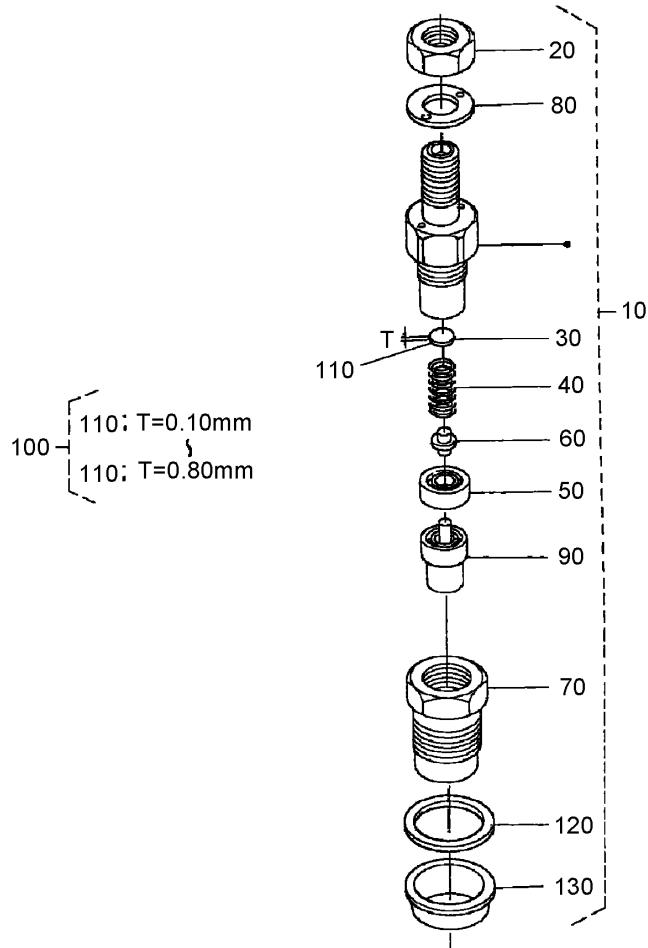
Speed Control Plate Assembly

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	2	Gasket				
170	105-3710	2	Stud				
180	98-7572	2	Nut				
190	98-7699	2	Washer-Spring				



Nozzle Holder and Glow Plug Assembly

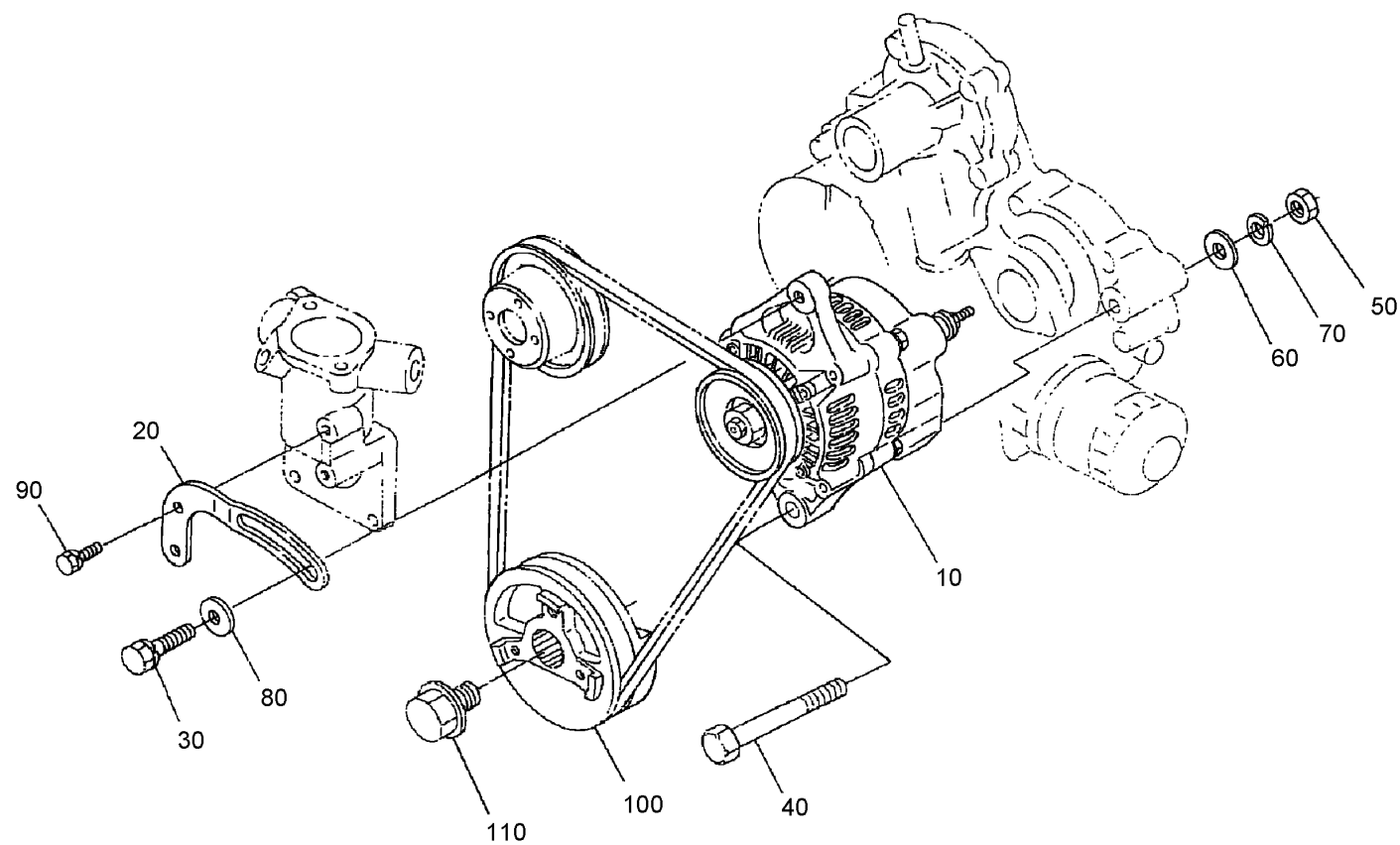
Ref	Part No.	Qty.	Description				
10	98-9620	1	Over Flow Pipe ASM				
20	98-9431	1	Screw-Bleeder				
30	98-7654	1	Gasket				
40	108-2866	3	Nozzle Holder Kit				
50	98-7676	3	Gasket				
60	98-7677	3	Seal				
80	98-9653	1	Pipe-Injection				
90	98-9654	1	Pipe-Injection				
100	98-9655	1	Pipe-Injection				
110	98-7682	2	Clamp-Pipe				
120	98-7683	2	Clamp-Pipe				
130	98-7684	2	Screw (W/Washer)				
140	98-9695	3	Plug-Glow				
150	98-9631	3	Cord-Plug, Glow				
160	99-8377	3	Nut-Flange				
180	98-9420	1	Over Flow Pipe ASM				
190	98-7671	2	Clip-Pipe				



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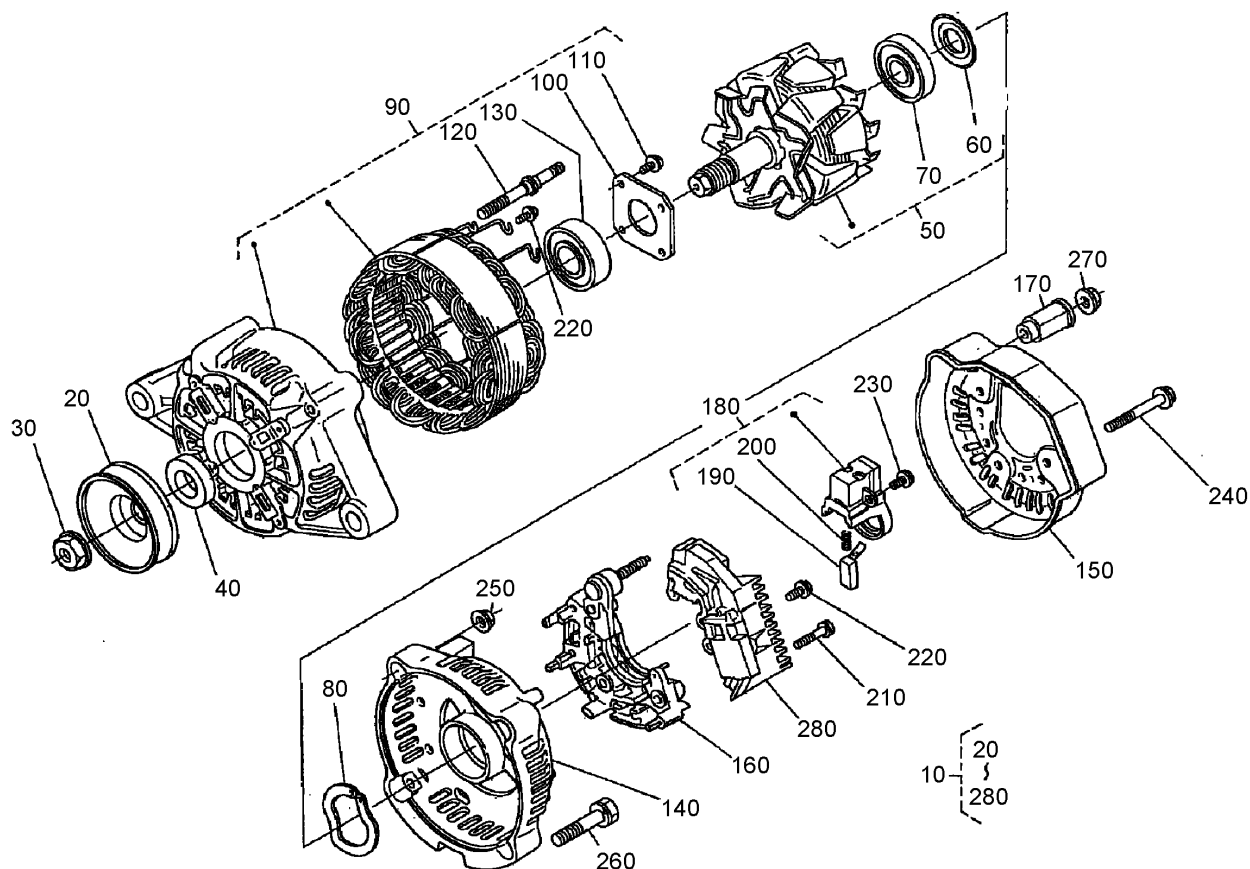
Nozzle Holder Assembly

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				



Alternator and Pulley Assembly

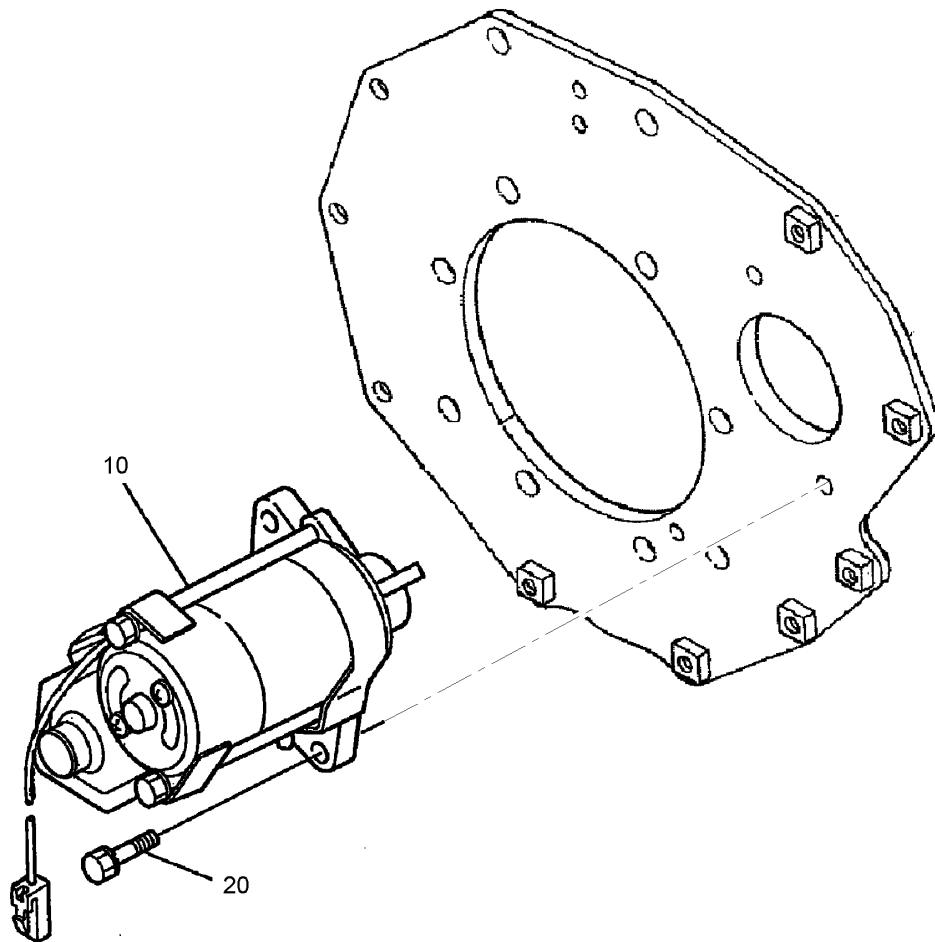
Ref	Part No.	Qty.	Description				
10	98-9474	1	Alternator ASM				
20	98-9573	1	Stay-Dynamo				
30	108-7088	1	Bolt				
40	98-9360	1	Bolt				
50	98-7737	1	Nut				
60	3256-24	1	Washer-Flat				
70	98-7738	1	Washer-Spring				
80	100-9233	1	Washer-Plain				
90	98-7692	1	Bolt				
100	98-9473	1	Pulley-Drive, Fan				
110	98-9585	1	Bolt				



Alternator Assembly

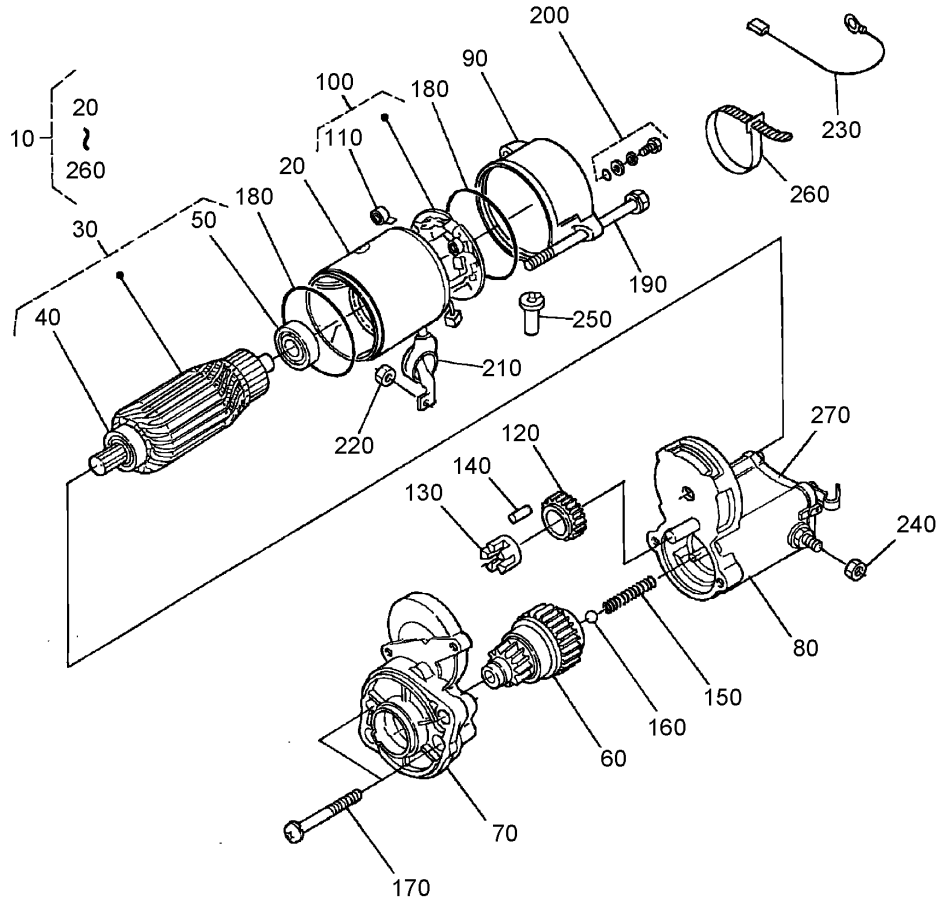
Ref	Part No.	Qty.	Description
10	98-9474	1	Alternator ASM
20	98-9453	1	Pulley-Dynamo
30	98-7708	1	Nut
40	98-7709	1	Collar
50	107-0136	1	Rotor
60	98-7711	1	Cover-Bearing
70	107-0138	1	Bearing-Ball
80	98-7713	1	Washer-Thrust
90	107-0139	1	Drive End Frame ASM
100	98-7715	1	Plate-Retainer
110	98-7716	4	Screw-Head, 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	98-9476	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	107-9088	1	Regulator ASM



Starter Installation Assembly

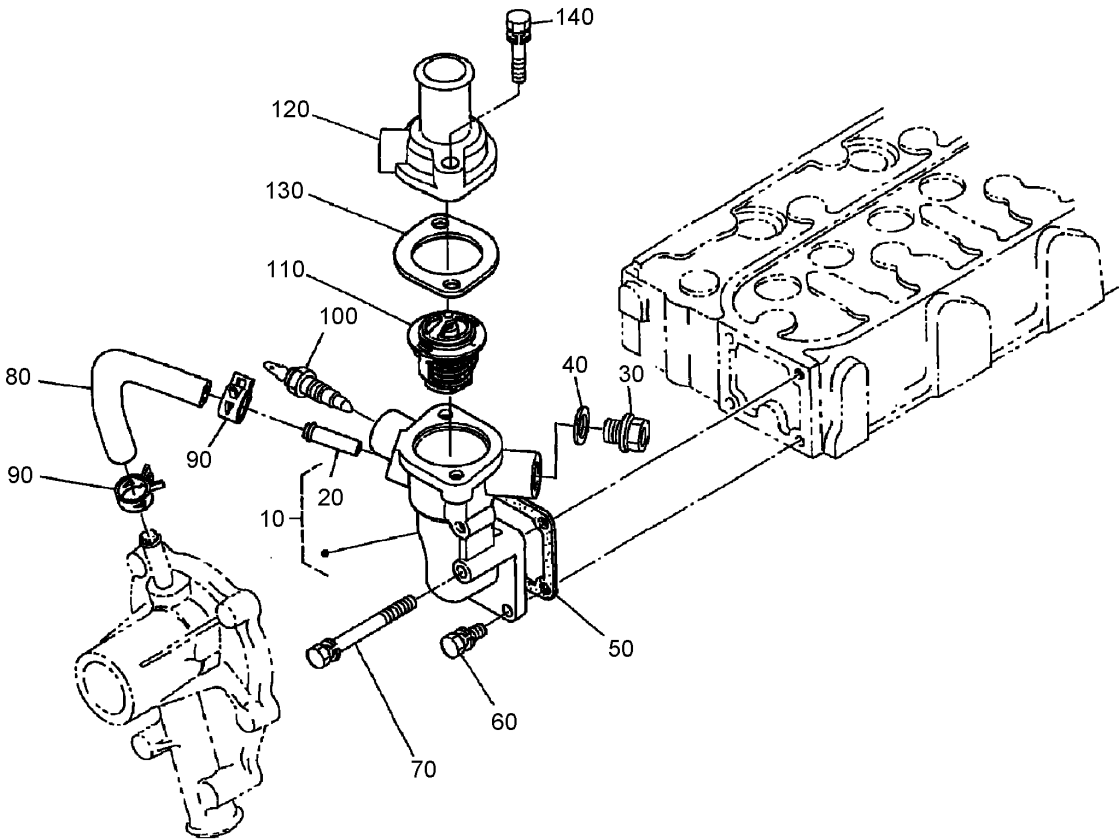
Ref	Part No.	Qty.	Description
10	98-9705	1	Starter ASM
20	98-7697	2	Bolt



Starter Assembly

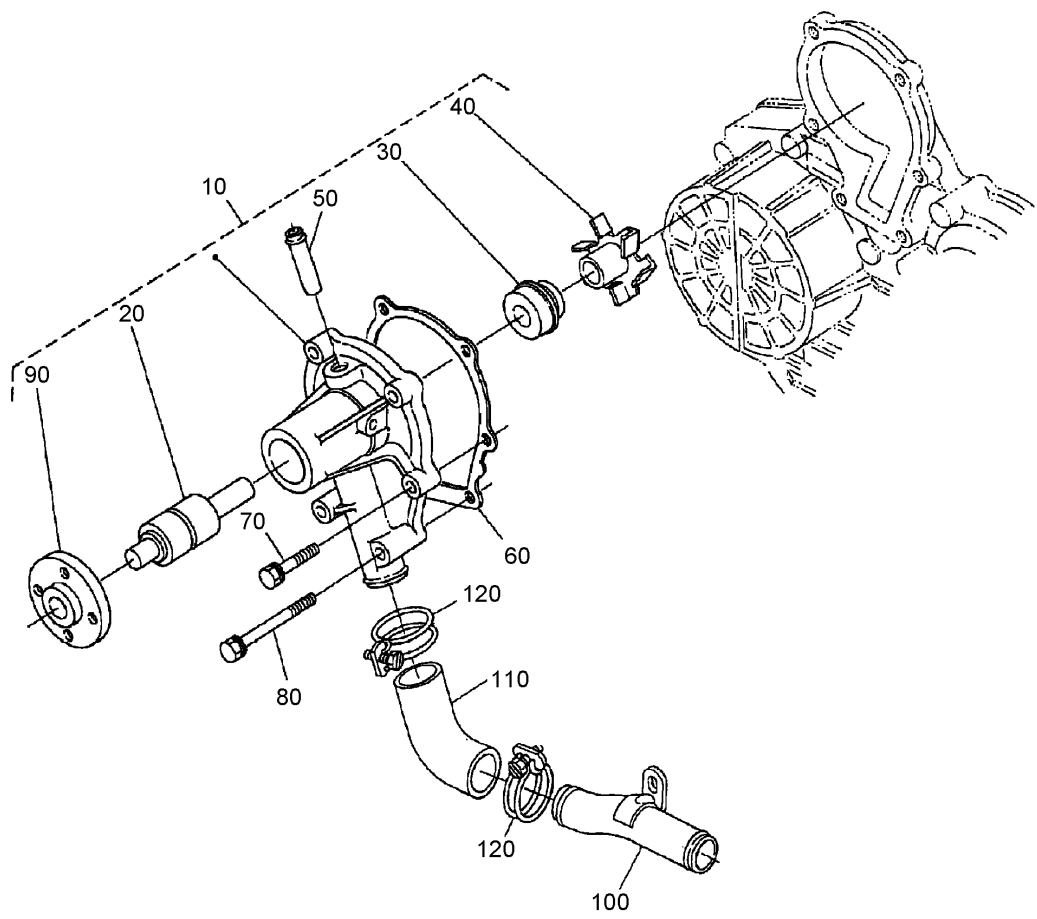
Ref	Part No.	Qty.	Description
10	98-9705	1	Starter ASM
20	104-8608	1	Yoke ASM
30	98-7742	1	Armature ASM
40	98-7744	1	Bearing
50	98-7743	1	Bearing
60	99-8373	1	Clutch-Running, Over
70	99-8374	1	Frame-End, Drive
80	105-3746	1	Magnetic Switch ASM
90	98-7748	1	Frame-End
100	98-7749	1	Brush Holder ASM
110	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



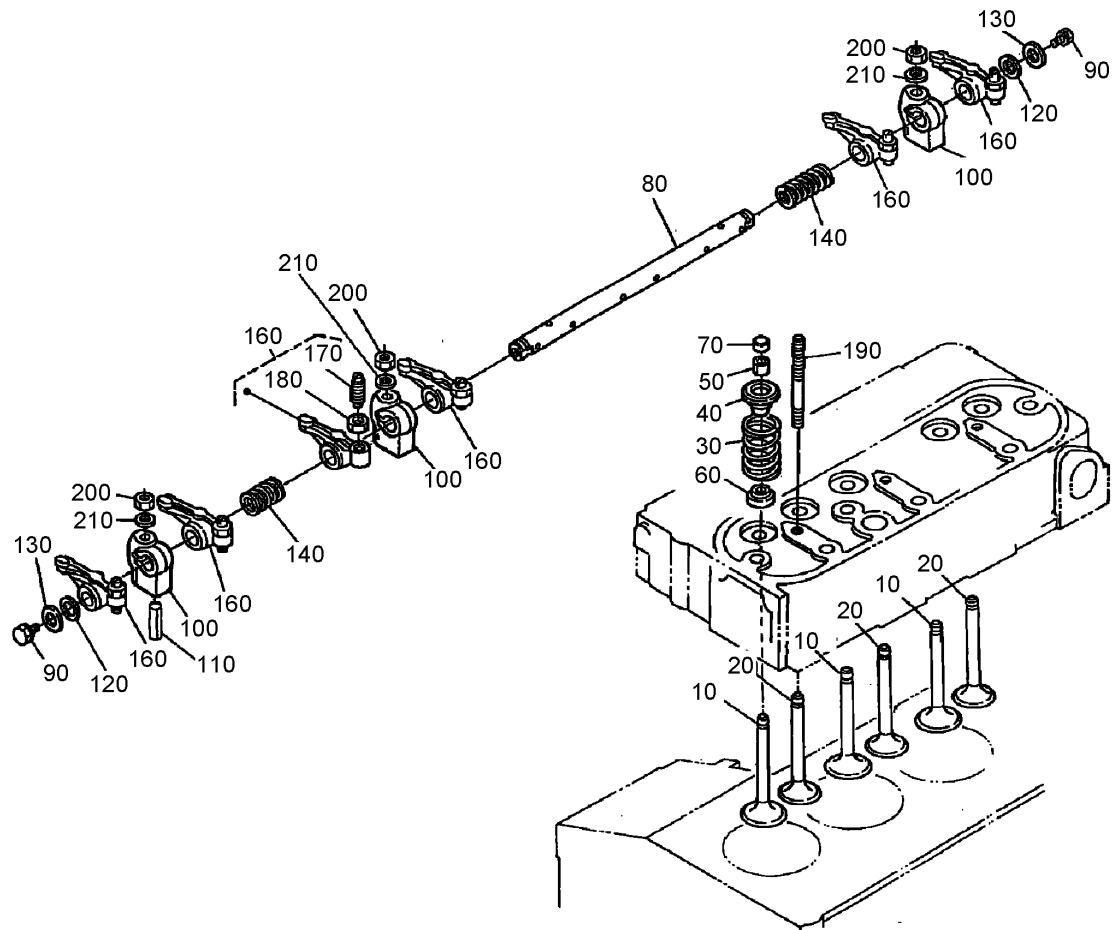
Water Flange and Thermostat Assembly

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	98-9719	1	Thermoswitch				
110	98-7778	1	Thermostat ASM				
120	98-9471	1	Cover-Thermostat				
130	105-3748	1	Gasket-Thermostat				
140	98-7777	2	Bolt				



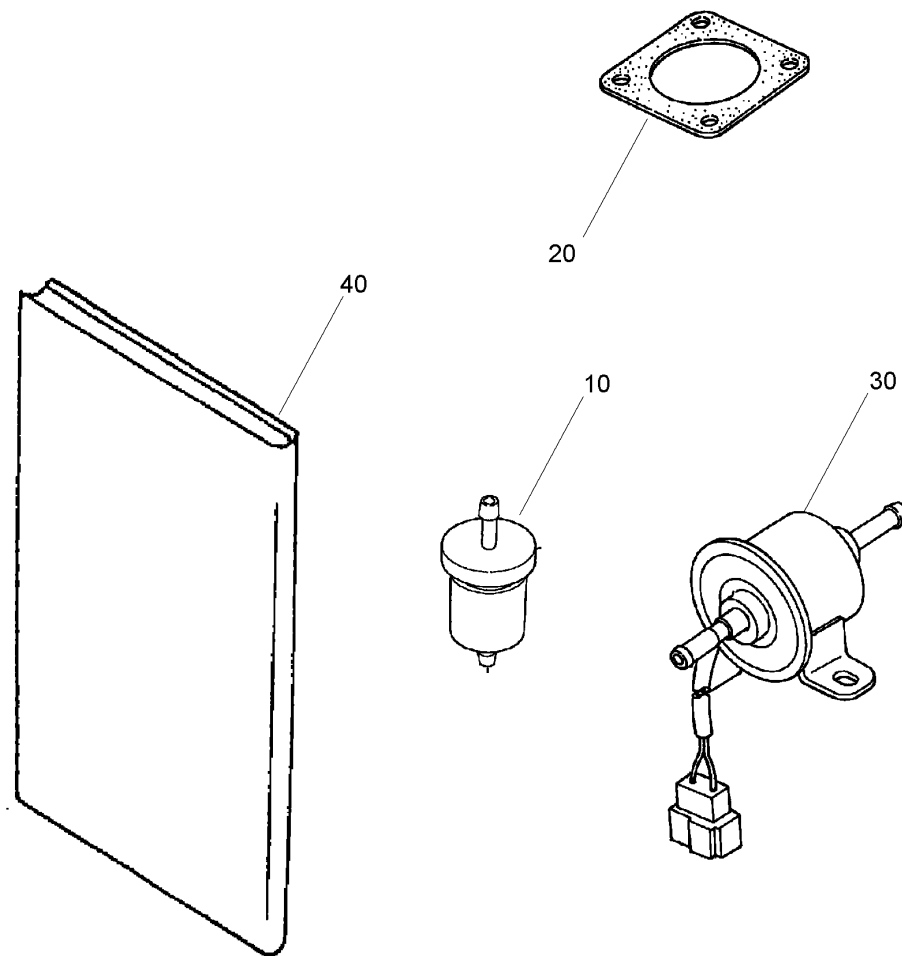
Water Pump and Pipe Assembly

Ref	Part No.	Qty.	Description				
10	107-9089	1	Water Pump ASM				
20	99-3517	1	Bearing-Pump, Water				
30	105-3750	1	Mechanical Seal ASM				
40	99-3519	1	Impeller-Pump, Water				
50	98-9577	1	Pipe-Return, Water				
60	99-3454	1	Gasket-Pump, Water				
70	98-9353	4	Bolt				
80	107-9090	2	Bolt				
90	99-3516	4	Flange-Pump, Water				
100	98-9716	1	Pipe-Water				
110	107-9091	1	Pipe-Water				
120	98-9717	2	Clamp				



Valve and Rocker Arm Assembly

Ref	Part No.	Qty.	Description				
10	98-9494	3	Valve-Inlet				
20	98-9495	3	Valve-Exhaust				
30	98-9648	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	3256-1	2	Washer-Flat				
140	98-9504	2	Spring-Arm, Rocker				
160	98-9501	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				



Fuel Pump, Filter, Muffler Gasket and Operator's Manual

Ref	Part No.	Qty.	Description
10	98-7612	1	Filter-Fuel
20	99-8343	1	Gasket-Muffler
30	107-0122	1	Pump-Fuel, Electric
40	99-8954	1	Manual-Kubota

Attachments and Accessories

For 30309 - Groundsmaster 3280-D 4-Wheel Drive

Product Name	Model/Part
Wheel And Tire ASM (Wide Tire Option)	108-6598
Wheel Weight Kit	11-0440
Rear Weight Kit	24-5780
V-Plow Mounting Kit	30311
Mechanical Seat Suspension Kit	30312
Pneumatic Seat Suspension Kit	30313
62in Rear Discharge Mower	30367
62in Guardian Recycler Mower	30376
Standard Seat Kit	30398
52in Blower Kit	30502
52in Side Discharge Mower	30555
Arm Rest Kit	30707
48in V-Plow	30750
Debris Blower	30823
Tire	69-9880
Spark Arrestor Screen	75-6880
Rear Tire Chains, 4 Wheel Drive	76-1840
Tire Chain Kit (23 x 10.50-12)	82146
20 lb. Weight Kit	92-8763

NOTES

