



Dingo[®] TX 413 Compact Utility Loader

Model No. 22308 - 240000001 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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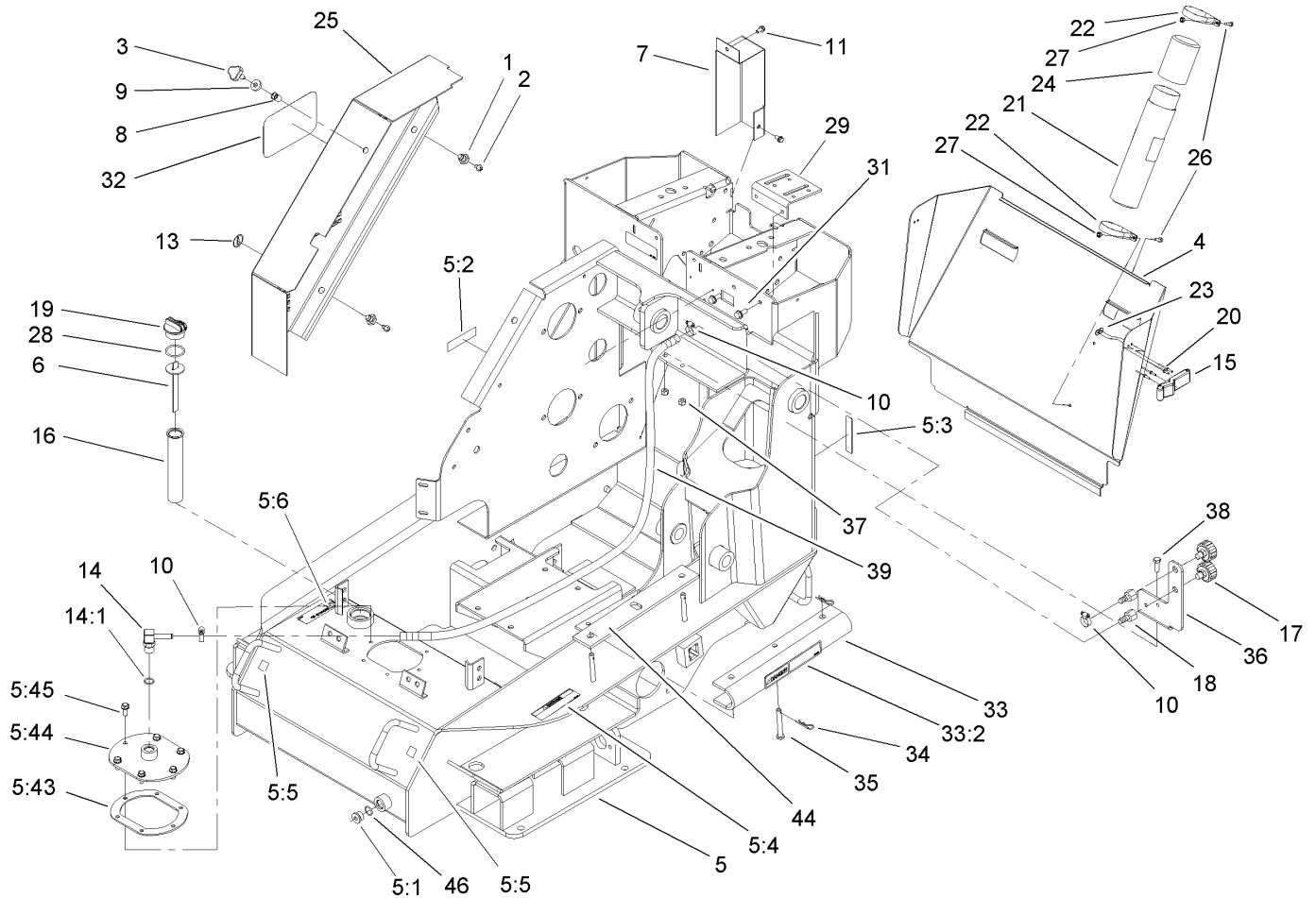
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. as required	INC. incorporated
ASM. assembly	LH. left hand
CARR. carriage	NI. nylon insert
DEG. degrees	PPH. phillips pan head
FH. flat head	PTH. phillips truss head
GA. gauge	PTO. power take off
HF. hex flange	RH. right hand
HH. hex head	SFH. slotted fillister head
HHF. hex head flange	SHH. slotted hex head
HHFTF. hex head flange thread forming	SHWH. slotted hex washer head
HJ. hex jam	SPH. slotted pan head
HLH. hex lag head	SQH. square head
HOC. height-of-cut	SRH. slotted round head
HS. hex	STD. standard
HSBH. hex socket button head	TAP. self tapping
HSFH. hex socket flat head	TTH. torx truss head
HSH. hex socket head	WH. wing head
HWH. hex washer head	
HWHTF. hex washer head thread forming	
HYD. hydraulic	

Footnotes

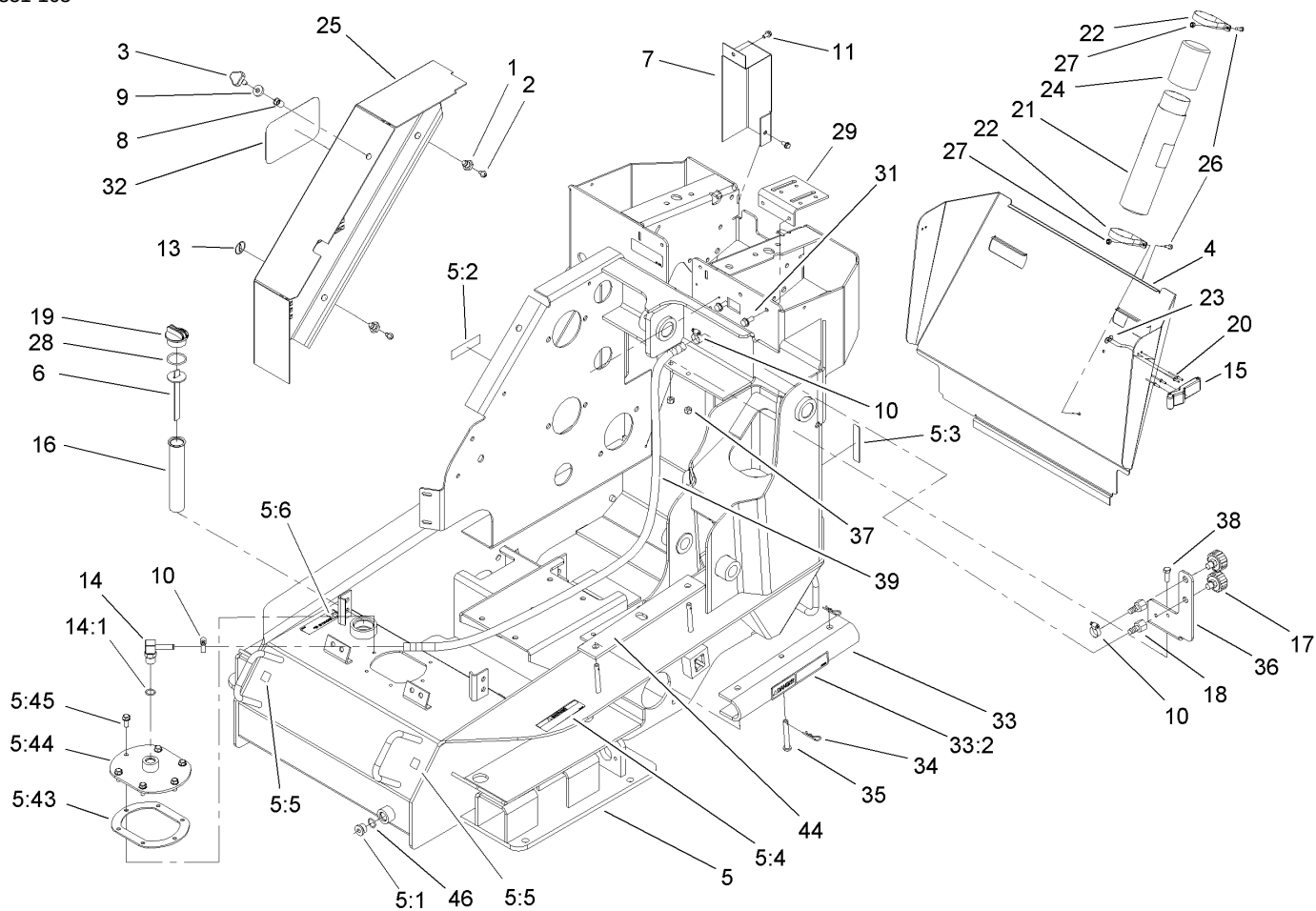
- | | |
|---------------------------|---------------------------|
| ❶ Not illustrated | ❷ Not serviced separately |
| ❸ Obtain Parts From Honda | |



Frame Assembly

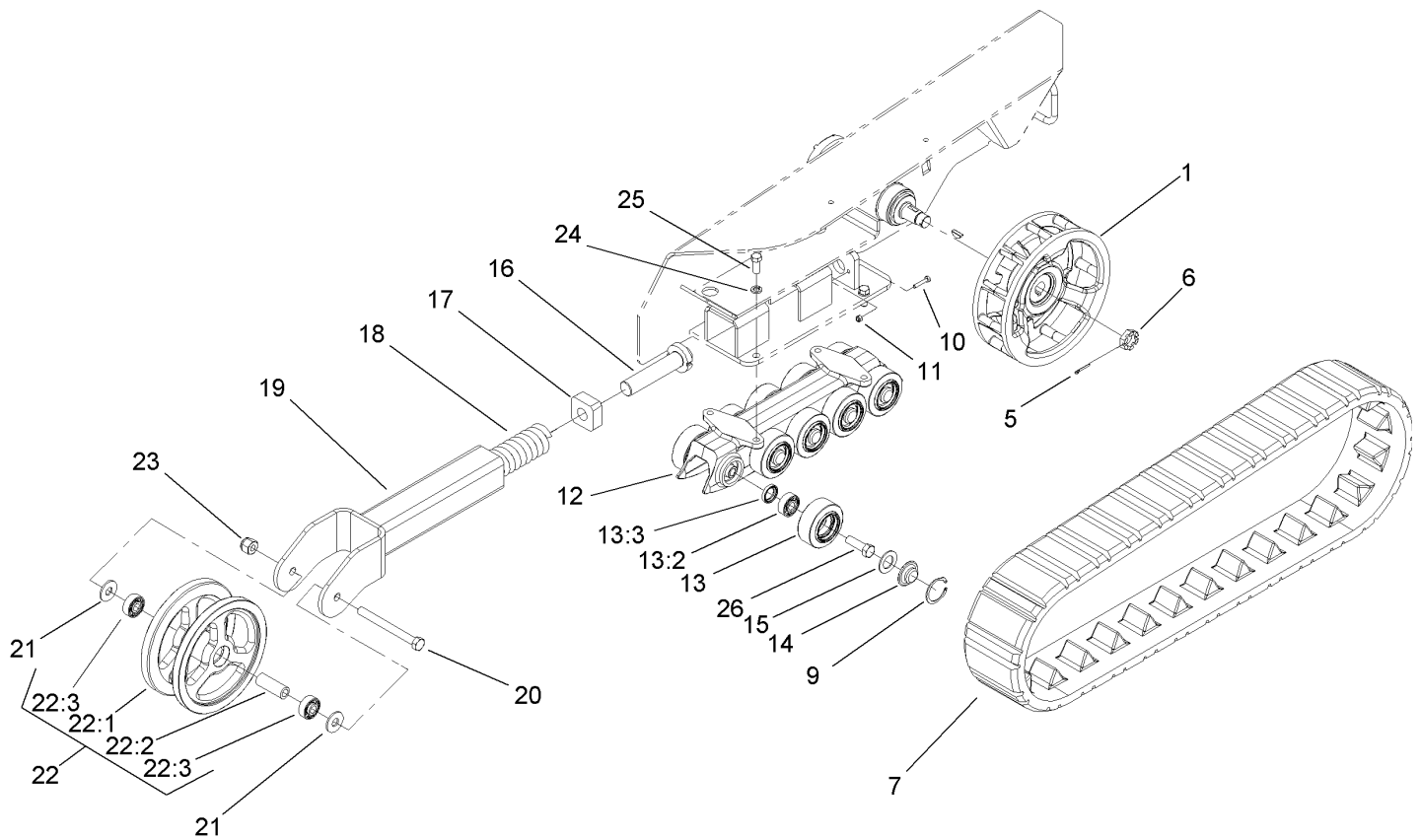
Ref	Part No.	Qty.	Description
1	95-3989	2	Mount-Sidepanel
2	46-8093	2	Screw-Plastite
3	95-9648	1	Knob
4	106-9472-01	1	Cover-Rear
5	105-9010	1	Frame ASM
5:1	353-550	1	Plug-HYD
5:2	98-5954	1	Decal-Missing, Cover
5:3	104-2838	1	Decal-Brake
5:4	100-6141	1	Decal-Pinch
5:5	93-9084	4	Decal-Point, Lift
5:6	105-8432	1	Decal-Oil, Hydraulic
5:43	107-3557	1	Gasket-Cover, Access
5:44	107-3559	1	Cover ASM
5:45	98-9940	6	Screw
6	100-2097	1	Dipstick-Oil
7	105-9043-03	1	Cover-Pulley
8	32148-9	1	Insert-Nut
9	106-0565	1	Washer-Rubber
10	2412-36	3	Clamp-Hose
11	32144-4	2	Screw-HWH
13	58-6520	1	Decal-Grease
14	354-134	1	Fitting-Hyd, 90 DEG
14:1	237-79	1	O-Ring
15	80-6980	2	Latch

Ref	Part No.	Qty.	Description
16	61-2790	1	Filter-Screen
17	68-6150	2	Breather
18	354-94	2	Fitting-Female, Barbed
19	93-7498	1	Plug-Plastic
20	3269-17	8	Rivet-Pop
21	104-7050	1	Housing-Manual
22	2412-120	2	R-Clamp
23	3269-10	8	Washer-Back
24	104-7048	1	Cap-Housing
25	106-9427-03	1	Cover-Belt
26	3290-500	2	Screw-PPH
27	3296-2	2	Nut-Lock
28	237-123	1	O-Ring
29	106-9447-01	1	Bracket-Mount, Throttle
31	32144-70	2	Screw-HH
32	105-1217	1	Decal-Toro
33	107-3552	1	Locking Arm ASM
33:2	100-6135	1	Decal-Danger
34	3290-467	3	Pin-Hair
35	283-52	1	Pin-Clevis
36	106-3132-01	1	Bracket-Filter
37	3296-29	2	Nut-Lock, NI
38	322-5	2	Screw-HH
39	103-1693	1	Hose-Fuel



Frame Assembly (continued)

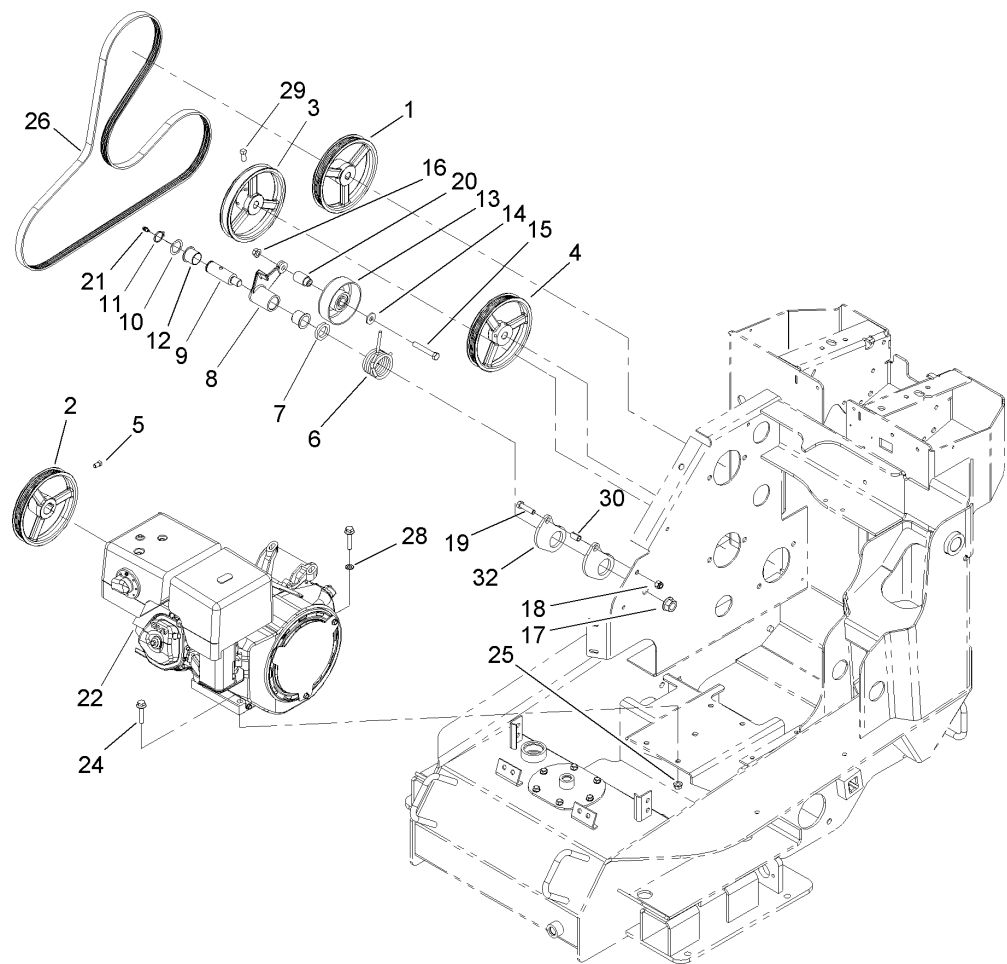
Ref	Part No.	Qty.	Description
44	106-9495	1	Pad-Rubber
46	237-79	1	O-Ring



Track and Traction Assembly

Ref	Part No.	Qty.	Description
1	105-9146-03	2	Wheel- Drive
5	3272-12	2	Pin-Cotter
6	99-3139	2	Nut
7	98-9800	2	Track
9	106-7595	20	Ring-Snap, Internal
10	321-13	2	Screw-HH
11	3296-42	2	Nut-Lock, NI
12	106-7590-03	2	Guide-Track
13	106-7621	20	Road Wheel ASM
13:2	93-4237	1	Bearing
13:3	253-118	1	Seal-Oil
14	106-7557	20	Cap-Wheel, Bearing
15	106-7585	20	Gasket-Bogie
16	98-9846	2	Bolt-Tensioner
17	95-3626	2	Block-Tensioning
18	95-3624	2	Spring-Compression
19	98-9801-03	2	Tensioner Arm ASM
20	327-17	2	Screw-HH
21	3256-7	4	Washer-Flat
22	104-5745	2	Tensioner Wheel ASM
22:1	104-5747-03	1	Wheel-Tensioner
22:2	98-9835	1	Spacer-Wheel, Tensioner
22:3	93-4237	2	Bearing
23	3296-24	2	Nut-Lock NI

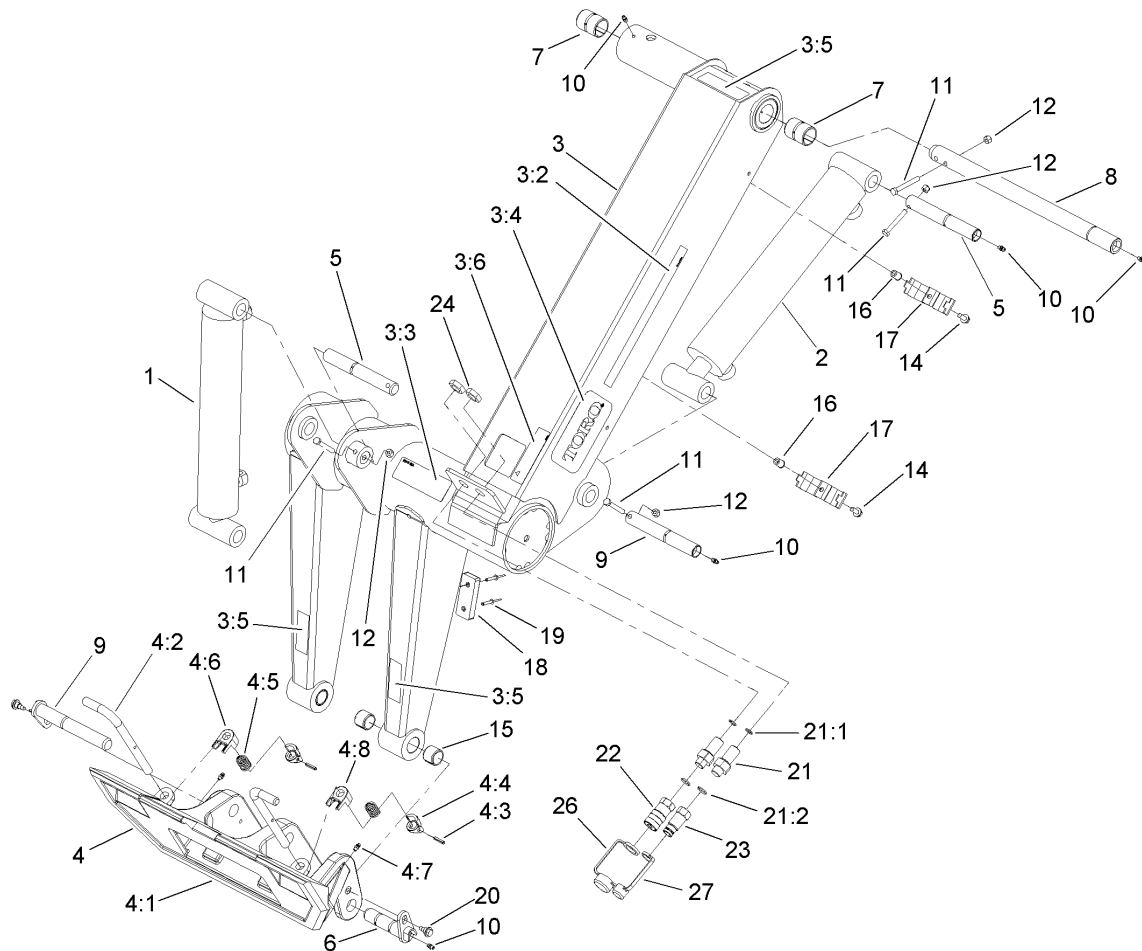
Ref	Part No.	Qty.	Description
24	3253-7	8	Washer-Lock
25	325-5	8	Screw-HH
26	327-6	20	Screw-HH



Engine and Drive Assembly

Ref	Part No.	Qty.	Description
1	104-8448	1	Pulley
2	104-8449	1	Pulley
3	104-8450	1	Pulley
4	105-9046	1	Pulley
5	3242-2	2	Screw-SQH
6	100-4844	1	Spring-Torsion
7	99-3625	1	Spacer-Arm, Idler
8	99-3623-03	1	Arm-Idler
9	99-3624	1	Shaft-Pivot, Idler
10	74-1810	1	Washer
11	32151-36	1	Ring-Retaining
12	99-3631	2	Bushing-Flange
13	95-8802	1	Pulley-Idler
14	80-6990	1	Washer-Hardened
15	323-12	1	Screw-HH
16	32128-21	1	Nut-HF
17	32128-54	1	Nut-Flange
18	3296-39	1	Nut-Lock, NI
19	323-8	1	Screw-HH
20	105-9035	1	Spacer-Idler
21	302-5	1	Fitting-Grease
22		1	Engine-Honda, Gx390k1 Qtr2
24	3234-19	3	Screw-HHF
25	32128-21	4	Nut-HF

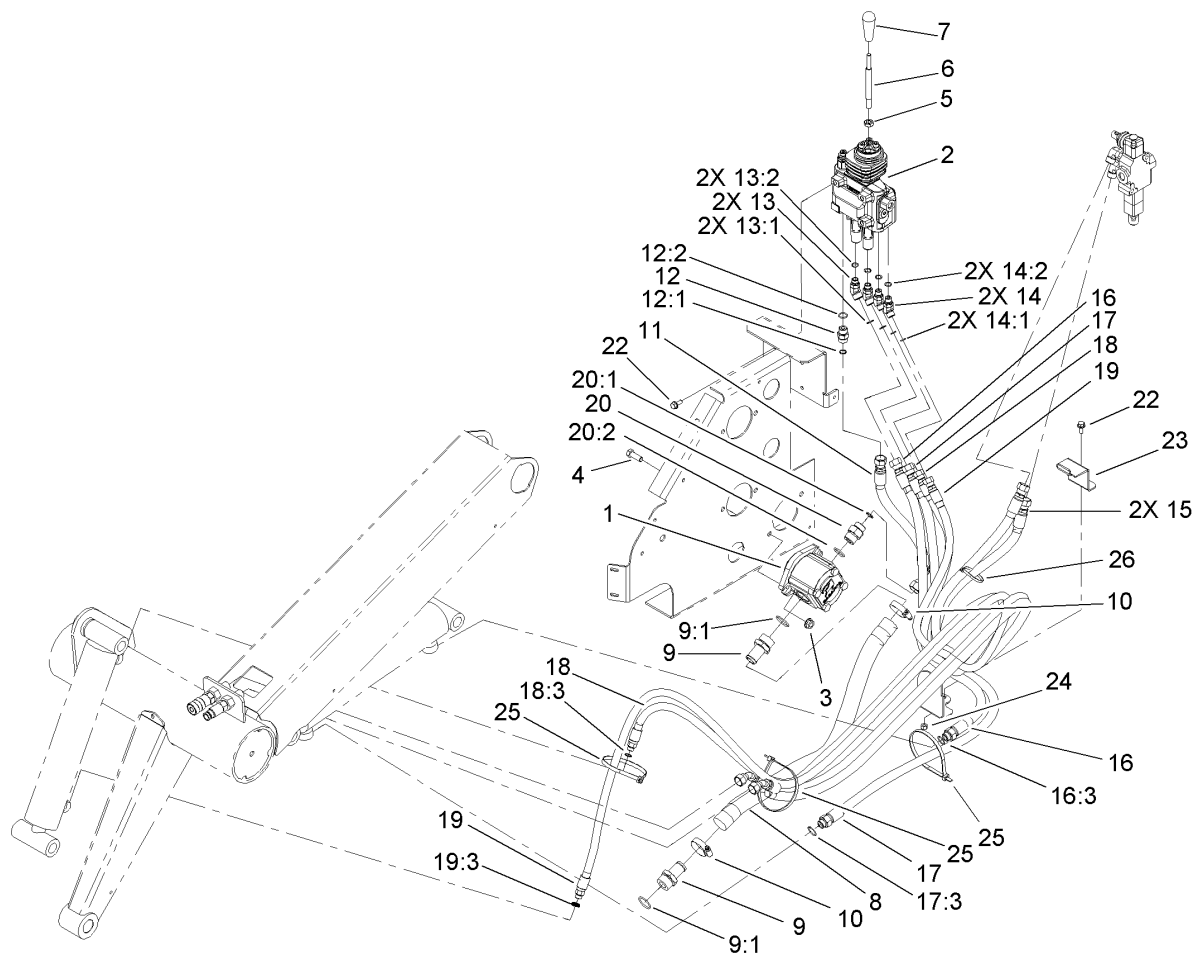
Ref	Part No.	Qty.	Description
26	106-9422	1	Belt-Poly-V
28	3255-9	1	Washer-Lock, Ext
29	3242-4	6	Screw-Set, SQH
30	106-4501	1	Scraper-Stop, Spacer
32	106-9480	2	Pad-Rubber



Loader Arm and Quick Attach Assembly

Ref	Part No.	Qty.	Description
1	106-3161	1	Cylinder-Hydraulic
1:1	106-9466	1	Kit-Seal,hydraulic Cylinder
2	106-3162	1	Cylinder-Hydraulic
2:1	106-9467	1	Kit-Seal, Hydraulic Cylinder
3	107-3565	1	Loader Arm ASM
3:2	106-9452	1	Decal-Model
3:3	106-9451	1	Decal-Caution
3:4	105-1217	1	Decal-Toro
3:5	100-6141	3	Decal-Pinch
3:6	100-6101	1	Decal-Caution
4	106-9426	1	Quick Attach ASM
4:1	106-3156-03	1	Mount-Qtach
4:2	105-8367	2	Pin-Locking
4:3	3285-1	2	Pin-Grooved
4:4	105-0246	2	Cam
4:5	98-4694	2	Spring-Compression
4:6	104-5909	1	Stop-RH
4:7	302-5	2	Fitting-Grease
4:8	104-5903	1	Stop-LH
5	105-9075	3	Pin-Pivot .
6	106-3139	2	Pivot Pin ASM
7	106-3133	2	Bushing-Tension, Loader Arm
8	106-3164	1	Pin-Pivot, Loader Arm
9	106-3140	1	Pivot Pin ASM

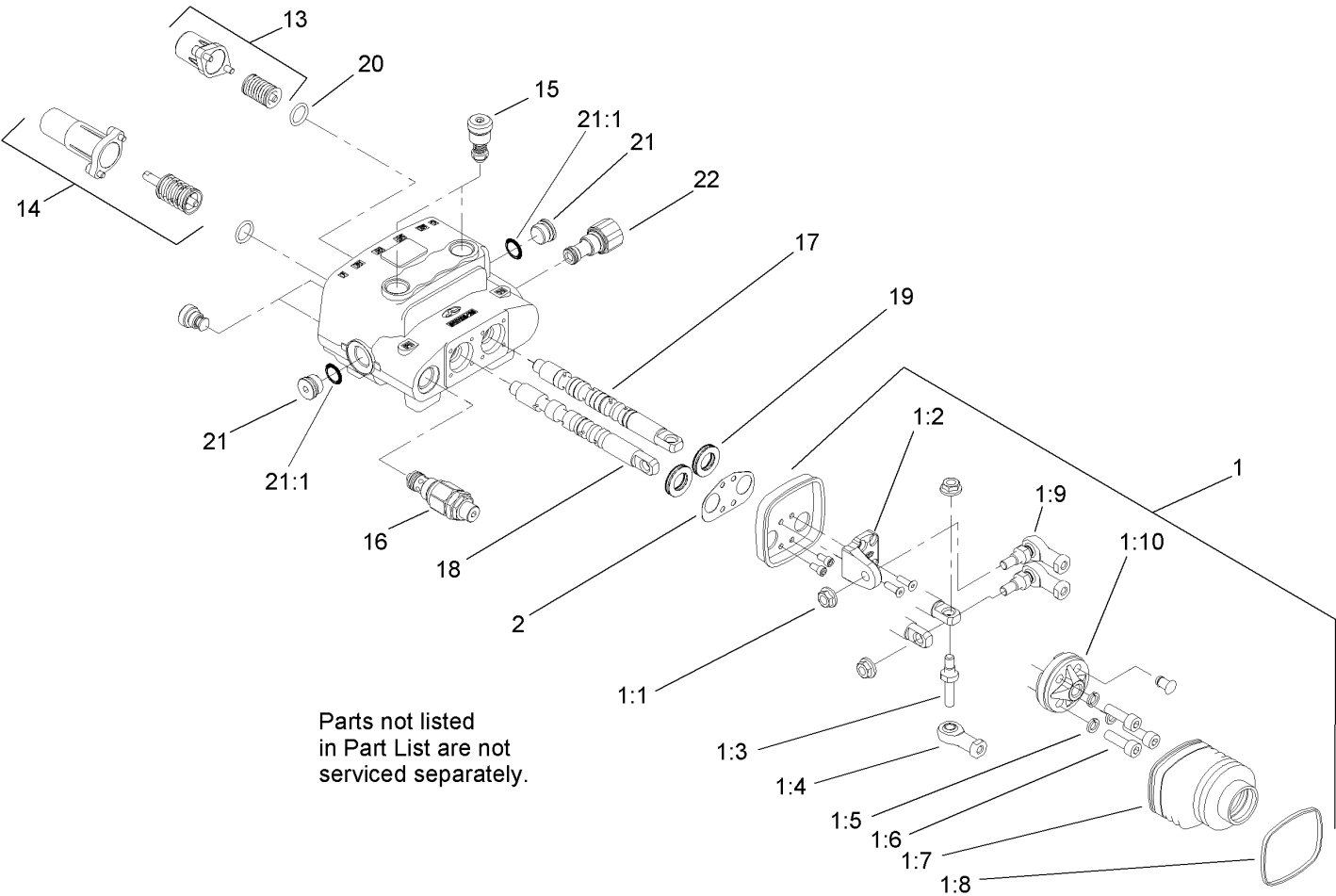
Ref	Part No.	Qty.	Description
10	302-5	8	Fitting-Grease
11	322-12	4	Screw-HH
12	3296-29	4	Nut-Lock, NI
14	322-5	2	Screw-HH
15	98-4871	4	Bushing-Tension
16	32148-7	2	Insert-Nut
17	107-3553-03	2	Clamp-Hose
18	86-5350	2	Bumper-Rubber
19	3269-11	4	Rivet
20	99-5105	3	Bolt-Shoulder
21	98-9907	2	Union-Bulkhead
21:1	237-30	1	O-Ring
21:2	237-79	1	O-Ring
22	104-6115	1	Coupler-Female
22:1	107-9300	1	Kit-Seal, Coupler
23	104-6114	1	Nipple-Connector
23:1	107-9301	1	Kit-Seal, Nipple
24	340-127	2	Nut-Bulkhead
26	105-5865	1	Cap-Dust
27	105-5866	1	Plug-Dust



Loader Arm Hydraulic Assembly

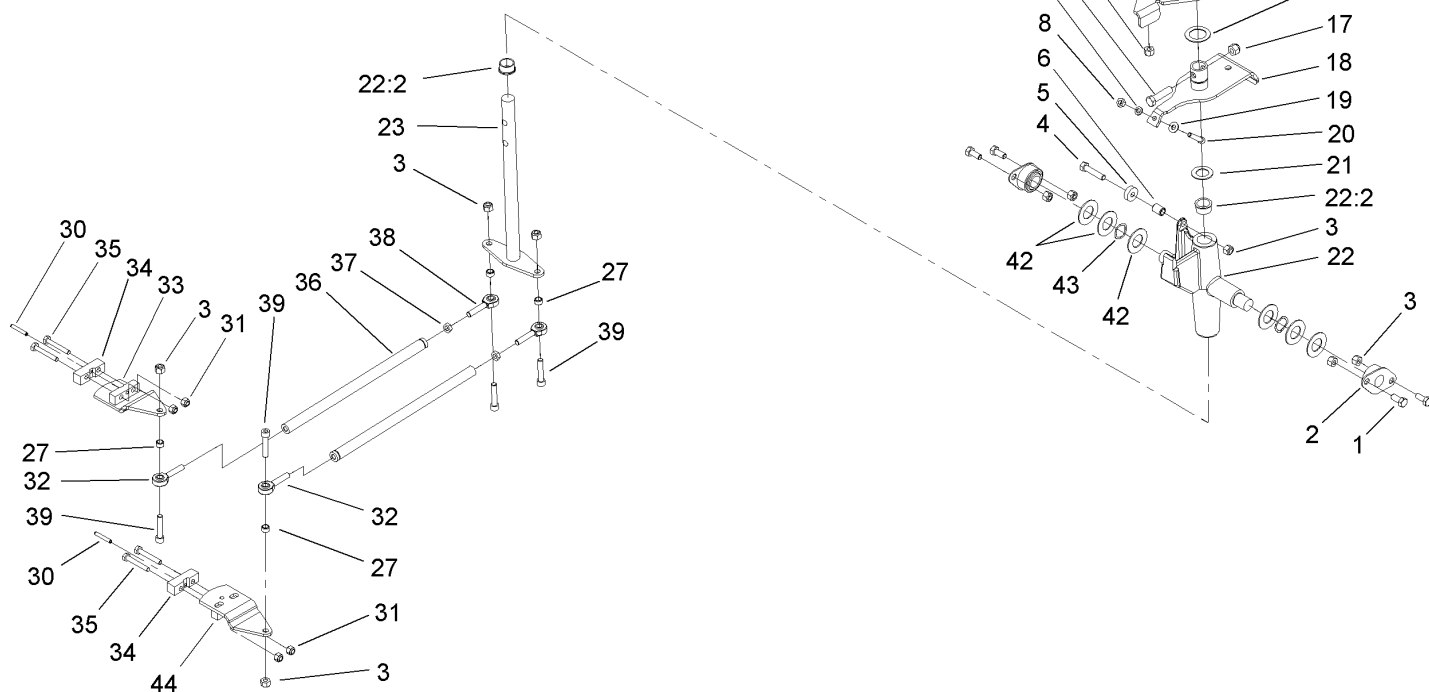
Ref	Part No.	Qty.	Description
1	104-8481	1	Pump-Gear
1:1	98-4700	1	Key-Square
1:2	107-3550	1	Kit-Seal, Pump
2	106-9406	1	Valve-Loader
3	32128-42	2	Nut-HF
4	324-5	2	Screw-HH
5	51-2070	1	Nut
6	95-3569	1	Shaft-Handle, Lift/tilt
7	98-0152	1	Knob-Tapered
8	106-9446	1	Hose-Hyd, Suction
9	354-78	2	Connector-Hose
9:1	237-146	1	O-Ring
10	2412-111	2	Clamp
11	106-3148	1	Hydraulic Hose ASM
12	340-4	1	Fitting-Hyd, Straight
12:1	237-30	1	O-Ring
12:2	237-79	1	O-Ring
13	340-96	2	Adapter
13:1	237-30	1	O-Ring
13:2	237-42	1	O-Ring
14	340-87	2	Fitting-Hyd, 45 DEG
14:1	237-22	1	O-Ring
14:2	237-42	1	O-Ring
15	106-3145	2	Hydraulic Hose ASM

Ref	Part No.	Qty.	Description
16	106-3147	1	Hydraulic Hose ASM
16:3	237-79	1	O-Ring
17	106-3146	1	Hydraulic Hose ASM
17:3	237-79	1	O-Ring
18	106-3144	1	Hydraulic Hose ASM
18:3	237-42	1	O-Ring
19	106-3143	1	Hydraulic Hose ASM
19:3	237-42	1	O-Ring
20	340-8	1	Adapter
20:1	237-65	1	O-Ring
20:2	237-81	1	O-Ring
22	3234-5	4	Screw
23	107-3555-01	1	Clamphalf-Hose
24	3296-29	1	Nut-Lock, NI
25	3334-945	3	Tie-Cable
26	3290-379	5	Tie-Cable



Valve Assembly No. 106-9406

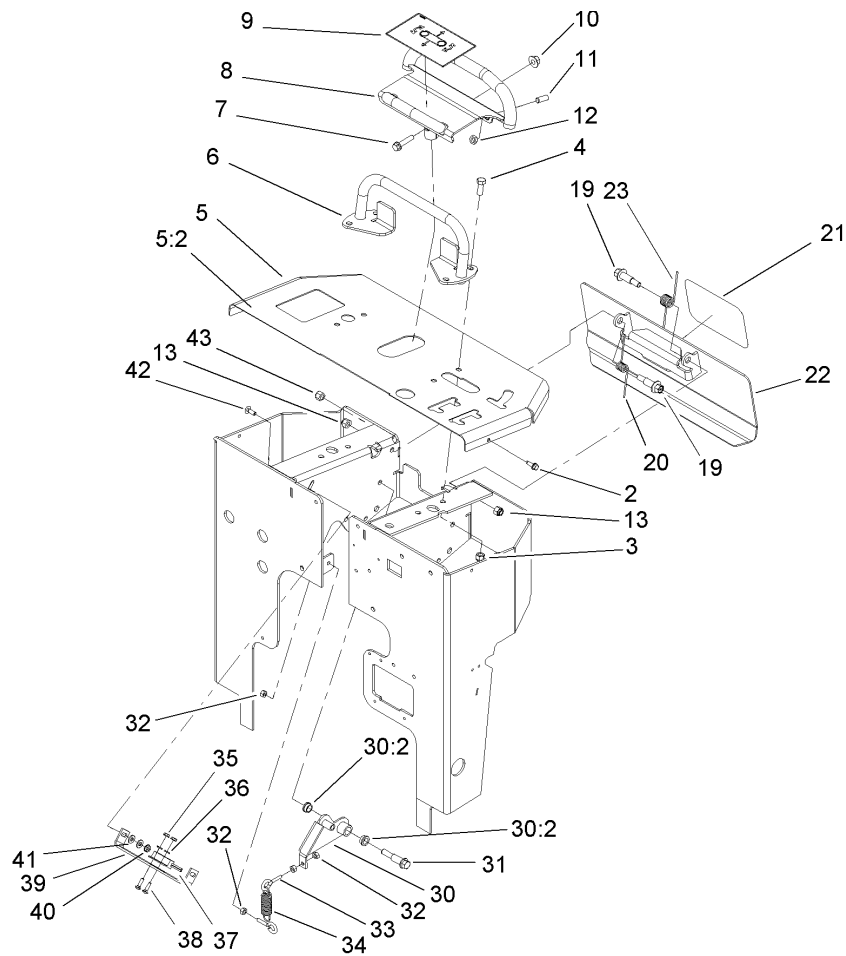
Ref	Part No.	Qty.	Description				
1	106-7724	1	Kit-Joystick				
1:1	98-0668	3	Nut				
1:2	106-7726	1	Pivot-Joystick				
1:3	106-7727	1	Pin-Joystick				
1:4	106-7728	1	End-Rod				
1:5	42-9850	3	Washer-Lock, Spring				
1:6	98-5828	3	Screw-HSH				
1:7	106-7729	1	Bellow-Rubber				
1:8	3290-379	1	Tie-Cable				
1:9	106-7730	2	Joint-Joystick				
1:10	106-7731	1	Holder-Articulated				
2	106-7725	1	Seal-Joystick				
13	106-7732	1	Kit-Spring, Valve				
14	106-7733	1	Kit-Spring, Detent				
15	107-3561	2	Valve-Relief, port				
16	106-7735	1	Valve-Relief, Main				
17	106-7736	1	Spool-Valve				
18	106-7737	1	Spool-Valve				
19	106-7738	2	Seal-Valve, Spool				
20	106-7719	2	Seal-Valve				
21	353-988	2	Plug-Hex, Hollow				
21:1	237-79	1	O-Ring				
22	107-3562	1	Sleeve-Port, Power Beyond				



Traction Control Assembly

Ref	Part No.	Qty.	Description
1	322-3	4	Screw-HH
2	68-2970	2	Bushing
3	3296-29	11	Nut-Lock, NI
4	322-7	1	Screw-HH
5	251-259	1	Bearing-Ball
6	88-7450	1	Spacer-Lever, Control
8	3217-5	1	Nut-Hex
9	3253-3	1	Washer-Lock
10	323-8	1	Screw-HH
11	98-8407	1	Lever-Return, RH
12	105-1210	1	Spring-Extension
13	63-2650	2	Screw-Shoulder
14	32151-91	1	Ring-Retaining
15	3256-42	3	Washer-Flat
16	98-8408	1	Lever-Return, LH
17	3296-39	1	Nut-Lock, NI
18	104-9968	1	Pivot Lever ASM
19	3256-22	1	Washer-Flat
20	3274-51	1	Screw-HSH
21	257-8	1	Washer-Thrust
22	106-5737	1	Control Support ASM
22:2	256-252	2	Bearing-Flange
23	106-5745	1	Drive Rod ASM
27	92-3133	4	Spacer-Lever, Traction

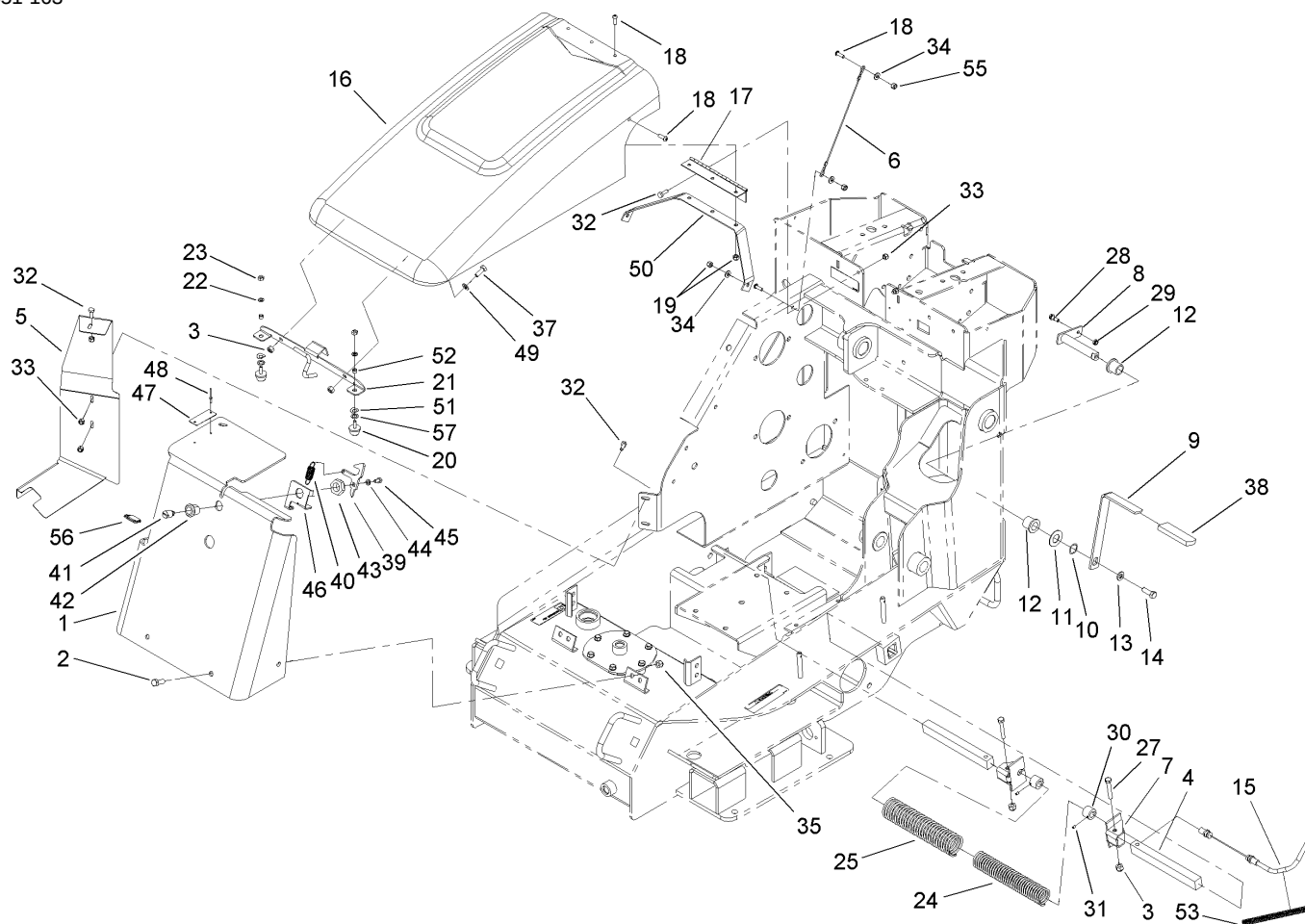
Ref	Part No.	Qty.	Description
30	32121-6	2	Pin-Roll
31	3296-42	4	Nut-Lock, NI
32	2411-53	2	Bearing-Rod End, LH
33	104-8475	1	Pump Lever ASM
34	105-0365	2	Clamp-Traction
35	321-10	4	Screw-HH
36	105-9030	2	Rod-Linkage
37	3220-2	2	Nut
38	2411-52	2	Bearing-Rod End, RH
39	3274-83	4	Screw-HSH
42	3256-39	6	Washer-Flat
43	95-3703	2	Washer-Spring, Wave
44	105-0362	1	Pump Lever ASM



Control Panel Assembly

Ref	Part No.	Qty.	Description
2	32144-44	2	Screw-HWH
3	3296-22	4	Nut-Lock, NI
4	323-6	4	Screw-HH
5	106-9508	1	Control Panel ASM
5:2	106-9450	1	Decal-Control Panel
6	98-8400-03	1	Reference Bar ASM
7	3234-18	1	Screw-HHF
8	104-9970-03	1	Control Handle ASM
9	106-9453	1	Decal-Traction
10	32128-43	1	Nut-Flange
11	3247-7	2	Set Screw
12	3218-3	2	Nut-Jam
13	3296-39	2	Nut-Lock, NI
19	62-1330	2	Bolt-Shoulder
20	98-8424	1	Spring-Torsion, RH
21	105-1217	1	Decal-Toro
22	105-9031-03	1	Reverse Plate ASM
23	98-8425	1	Spring-Torsion, LH
30	100-4203	1	Neutral Centering Lever ASM
30:2	256-156	2	Bushing-Flange
31	66-0560	1	Bolt-Shoulder
32	3217-5	4	Nut-Hex
33	71-2870	2	Bolt-Eye
34	105-1210	1	Spring-Extension

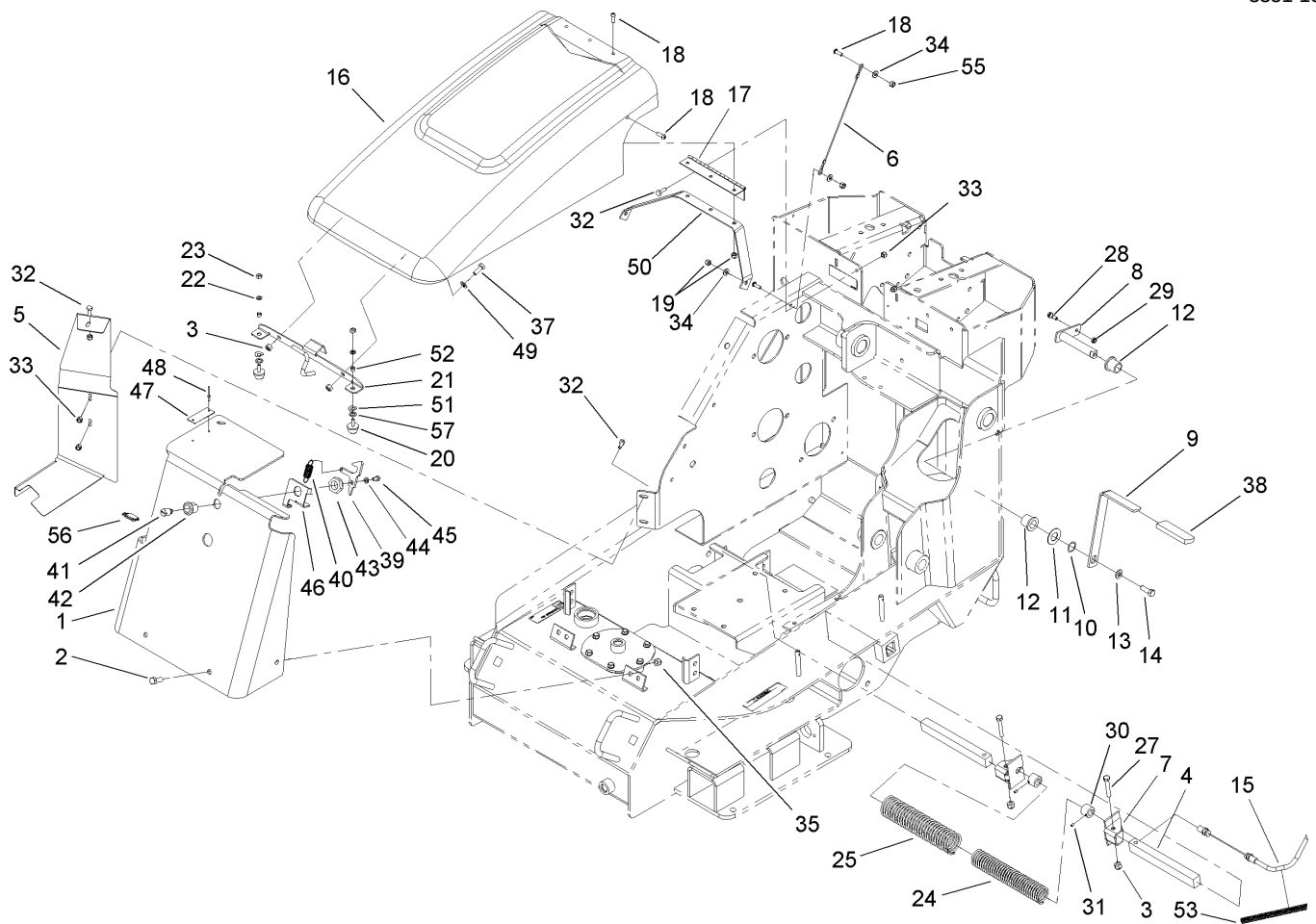
Ref	Part No.	Qty.	Description
35	32149-7	2	Nut-Keps
36	3256-51	2	Washer-Flat
37	100-1270	1	Switch-Proximity
38	3229-20	2	Screw-CARR
39	100-1263	1	Plate-Switch
40	32149-2	2	Nut
41	3256-22	4	Washer-Flat
42	3229-1	2	Screw-CARR
43	3296-6	1	Nut-Lock, NI



Hood and Brake Assembly

Ref	Part No.	Qty.	Description
1	105-9038-03	1	Grille
2	323-6	4	Screw-HH
3	3296-29	5	Nut-Lock, NI
4	106-9413-03	2	Bar-Brake
5	105-9144-03	1	Deflector-Exhaust
6	106-9418	1	Lanyard
7	106-9412-03	2	Bracket-Cable
8	106-9430	1	Brake Shaft ASM
9	105-9140-03	1	Handle-Brake
10	95-3703	1	Washer-Spring, Wave
11	3256-39	1	Washer-Flat
12	256-117	2	Bushing
13	3256-24	1	Washer-Flat
14	323-18	1	Screw-HH
15	106-9433	1	Cable-Brake
16	106-9420	1	Hood ASM
17	106-9408	1	Hinge-Hood
18	3258-166	6	Screw
19	3296-42	4	Nut-Lock, NI
20	1-523420	2	Bumper
21	106-9497-03	1	Rod Latch ASM
22	3253-3	2	Washer-Lock
23	3217-5	2	Nut-Hex
24	105-7055	1	Spring-Brake

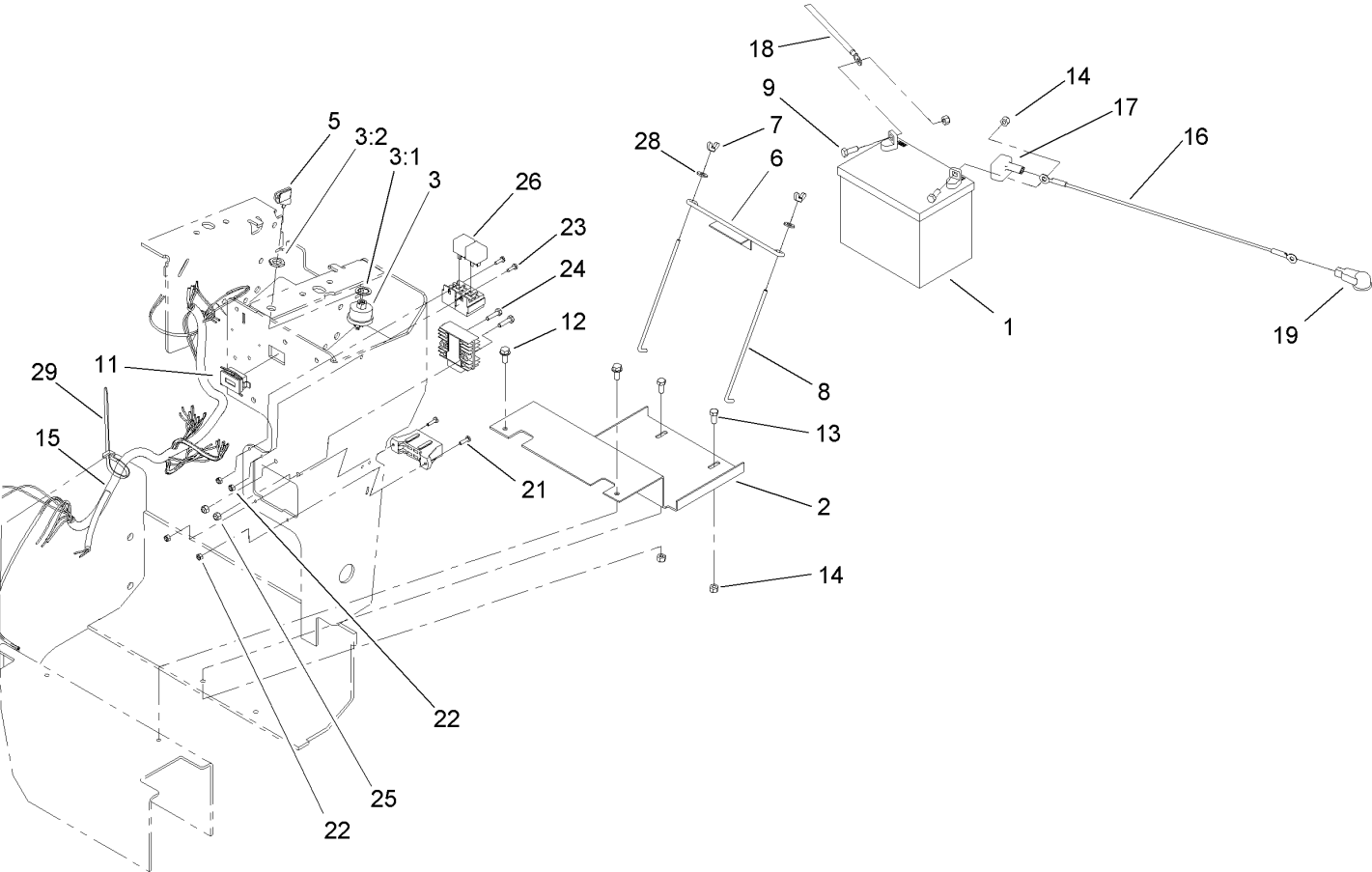
Ref	Part No.	Qty.	Description
25	105-7054	1	Spring-Brake
27	322-10	2	Screw-HH
28	42-3560	1	Bolt-Shoulder
29	3296-56	1	Nut-Lock, NI
30	100-6274	2	Tube-Guide
31	3245-20	2	Screw-HSH
32	321-4	6	Screw-HH
33	3296-42	6	Nut-Lock, NI
34	3256-78	2	Washer-Flat
35	3296-39	4	Nut-Lock, NI
37	322-4	3	Screw-HH
38	62-9130	1	Grip-Handle
39	106-5728	1	Cam-Latch
40	104-0869	1	Spring-Brake
41	106-9335	1	Housing-Latch
42	106-9336	1	Insert-Latch
43	3296-60	1	Nut-Lock, NI
44	3253-3	1	Washer-Lock
45	321-2	1	Screw-HH
46	106-5729-03	1	Bracket-Latch
47	80-9350	1	Plate-Hot Surface
48	3269-13	2	Rivet-Pop
49	3256-23	3	Washer-Flat
50	106-9500-03	1	Support-Hood



Hood and Brake Assembly (continued)

Ref	Part No.	Qty.	Description
51	3290-301	2	Washer-Spring
52	106-9308	2	Spacer
53	100-4697	1	Tube-Convolute
55	3296-16	2	Nut-Lock, NI
56	99-8970	1	Key-Latch, Hood
57	3256-22	2	Washer-Flat

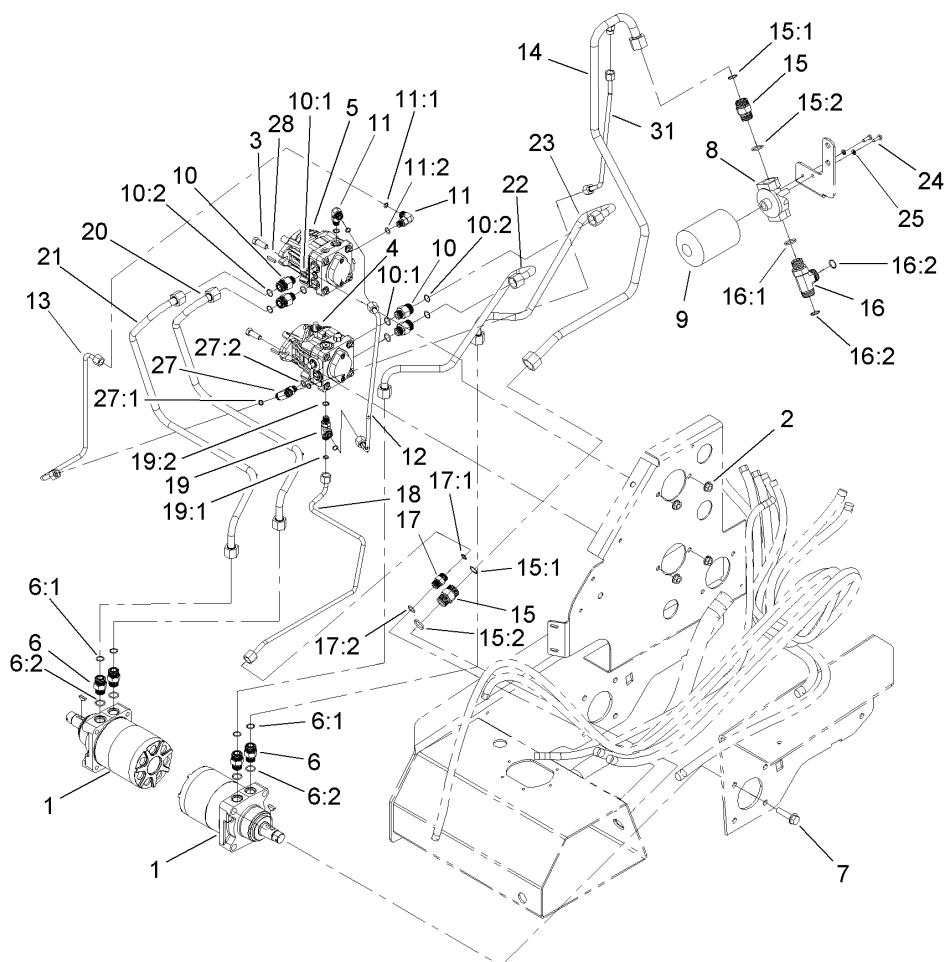
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Electrical Assembly

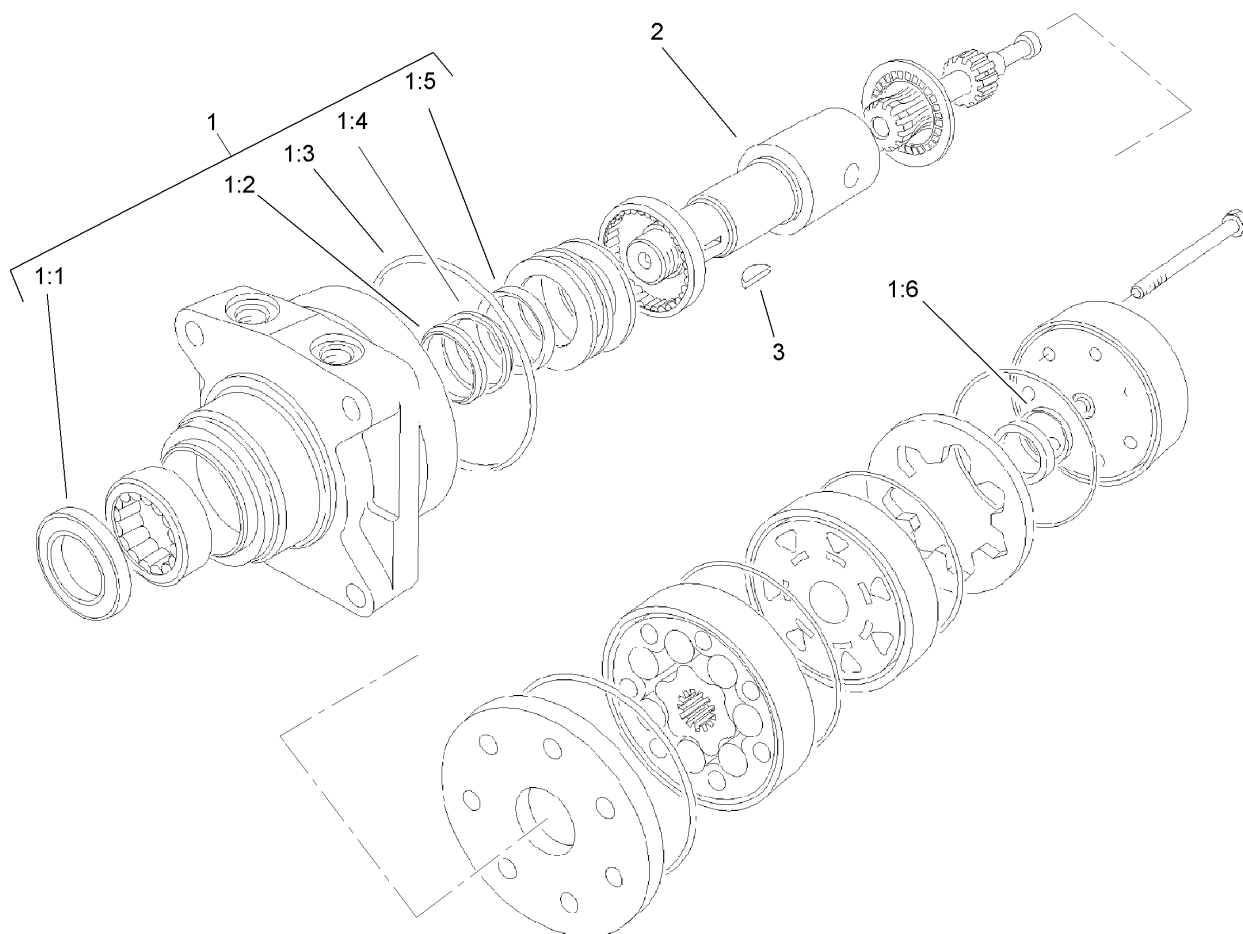
Ref	Part No.	Qty.	Description
1	104-2492	1	Battery
2	104-8493-01	1	Bracket-Battery
3	88-9830	1	Key Switch ASM
3:1	3254-5	1	Washer-Tooth
3:2	218-461	1	Nut-HH
5	63-8360	2	Key-Ignition
6	113010	1	Holddown-Battery
7	32103-22	2	Nut-Wing
8	99-5027	2	Retainer-Battery
9	322-4	2	Screw-HH
11	104-8143	1	Hourmeter
12	32144-70	2	Screw-HH
13	322-3	2	Screw-HH
14	3296-29	4	Nut-Lock, NI
15	106-9436	1	Harness-Wire
16	99-7404	1	Cable-Positive
17	28-8080	1	Boot-Terminal
18	1-413540	1	Cable-Battery, Negative
19	93-3190	1	Boot-Insulator, Terminal
21	3250-13	2	Screw-PPH
22	3296-2	4	Nut-Lock
23	3290-500	2	Screw-PPH
24	321-6	2	Screw-HH
25	3296-42	2	Nut-Lock, NI

Ref	Part No.	Qty.	Description
26	98-7249	2	Relay
28	3256-2	2	Washer-Flat
29	3290-378	2	Tie-Cable



Traction Hydraulic Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	104-8470	2	Motor-Wheel, HYD	16:1	237-81	1	O-Ring
2	32128-42	4	Nut-HF	16:2	237-58	2	O-Ring
3	324-5	4	Screw-HH	17	340-4	1	Fitting-Hyd, Straight
4	106-9470	1	Pump-HYD	17:1	237-30	1	O-Ring
5	106-9471	1	Pump-HYD	17:2	237-79	1	O-Ring
6	340-7	4	Adapter	18	106-9440	1	Hydraulic Tube ASM
6:1	237-65	1	O-Ring	19	340-86	1	Fitting-Hyd, Tee
6:2	237-80	1	O-Ring	19:1	237-22	2	O-Ring
7	3234-27	8	Screw-Flange	19:2	237-42	1	O-Ring
8	92-5821	1	Filter Head ASM	20	106-9429	1	Hydraulic Tube ASM
9	54-0110	2	Filter-Oil, Transmission	21	106-9428	1	Hydraulic Tube ASM
10	340-155	4	Fitting-Hyd, Straight	22	106-9423	1	Hydraulic Tube ASM
10:1	237-79	1	O-Ring	23	106-9424	1	Hydraulic Tube ASM
10:2	237-151	1	O-Ring	24	321-4	2	Screw-HH
11	340-77	2	Fitting-Hyd, 90 DEG	25	3253-3	2	Washer-Lock
11:1	237-22	1	O-Ring	27	340-94	1	Adapter
11:2	237-42	1	O-Ring	27:1	237-22	2	O-Ring
12	106-9445	1	Hydraulic Tube ASM	27:2	237-42	1	O-Ring
13	106-9439	1	Hydraulic Tube ASM	28	80-6090	2	Key-Pump
14	106-9442	1	Hydraulic Tube ASM	31	106-9441	1	Hydraulic Tube ASM
15	340-9	2	Fitting-Hyd, Straight				
15:1	237-58	1	O-Ring				
15:2	237-81	1	O-Ring				
16	340-148	1	Fitting-Tee				



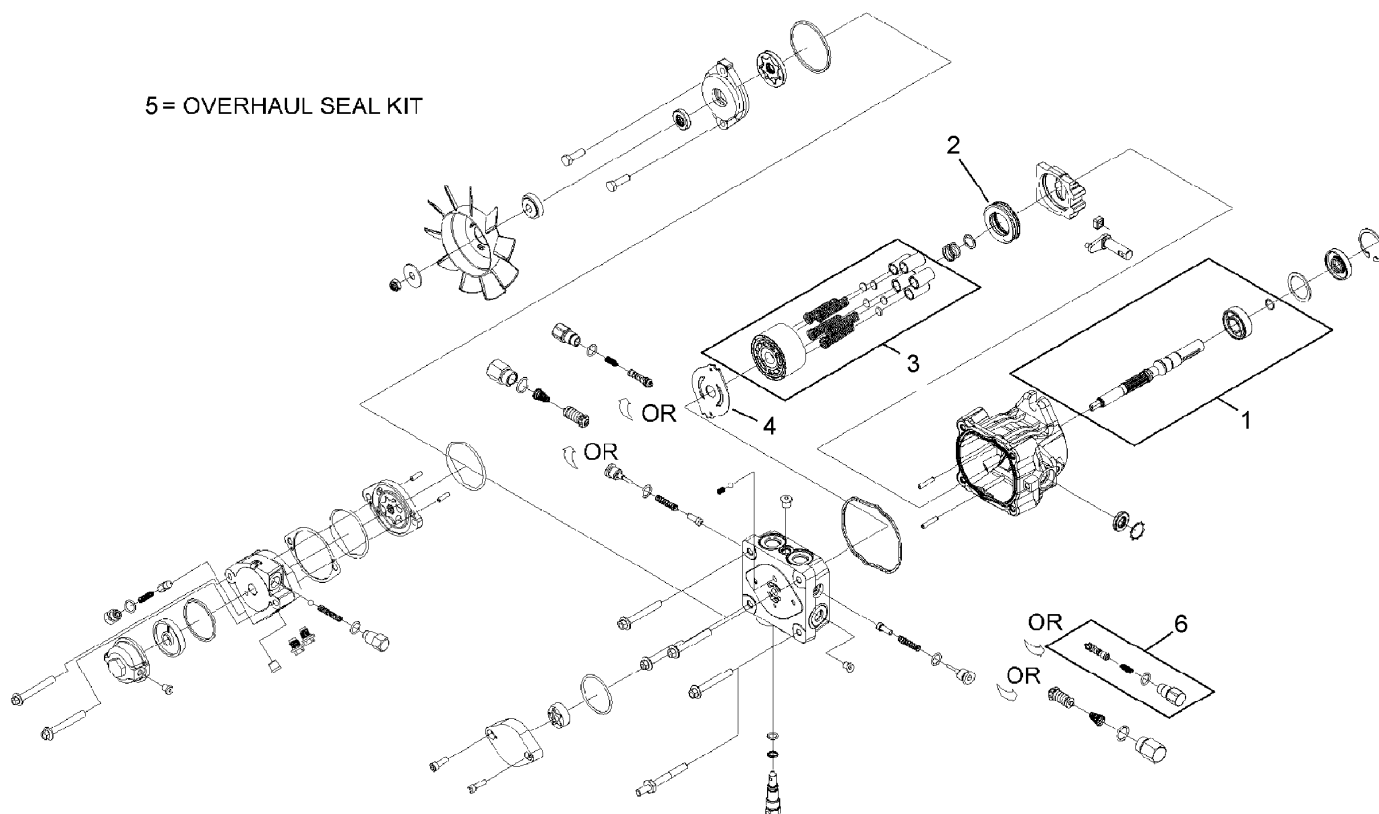
Hydraulic Motor Assembly No. 104-8470

Ref	Part No.	Qty.	Description				
1	100-6131	1	Seal Kit				
21:1		1	Seal-Dirt And Water				
21:2		1	Washer-Backup				
21:3		5	Seal-Ring				
21:4		1	Washer-Backup				
21:5		1	Seal-Inner				
21:6		1	Seal-Commutator				
2	99-3090	1	Shaft-Coupling				
3	3257-42	1	Key-Woodruff				



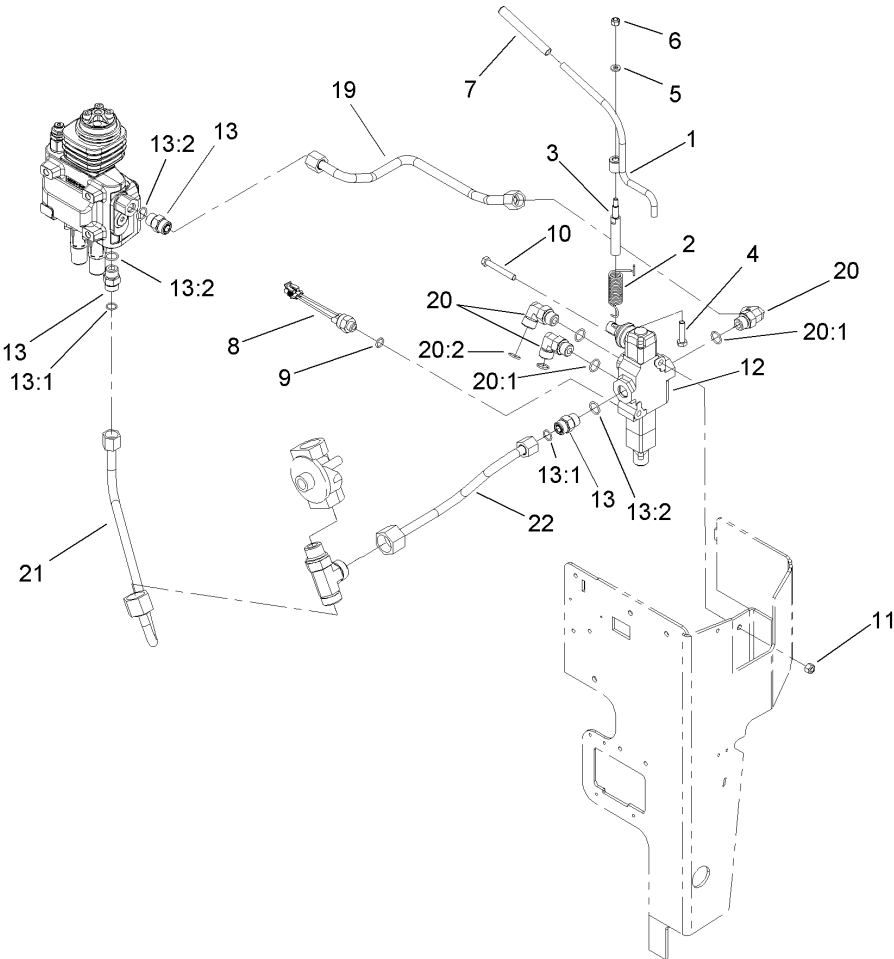
Hydraulic Pump Assembly No. 106-9470

Ref	Part No.	Qty.	Description
1	103-2664	1	Input Shaft Kit
2	103-2665	1	Thrust Bearing Kit
3	103-2666	1	Cylinder Block Kit
4	105-6185	1	Plate-Valve
5	105-6184	1	Seal Overhaul Kit
6	106-9498	1	Shock Valve Kit



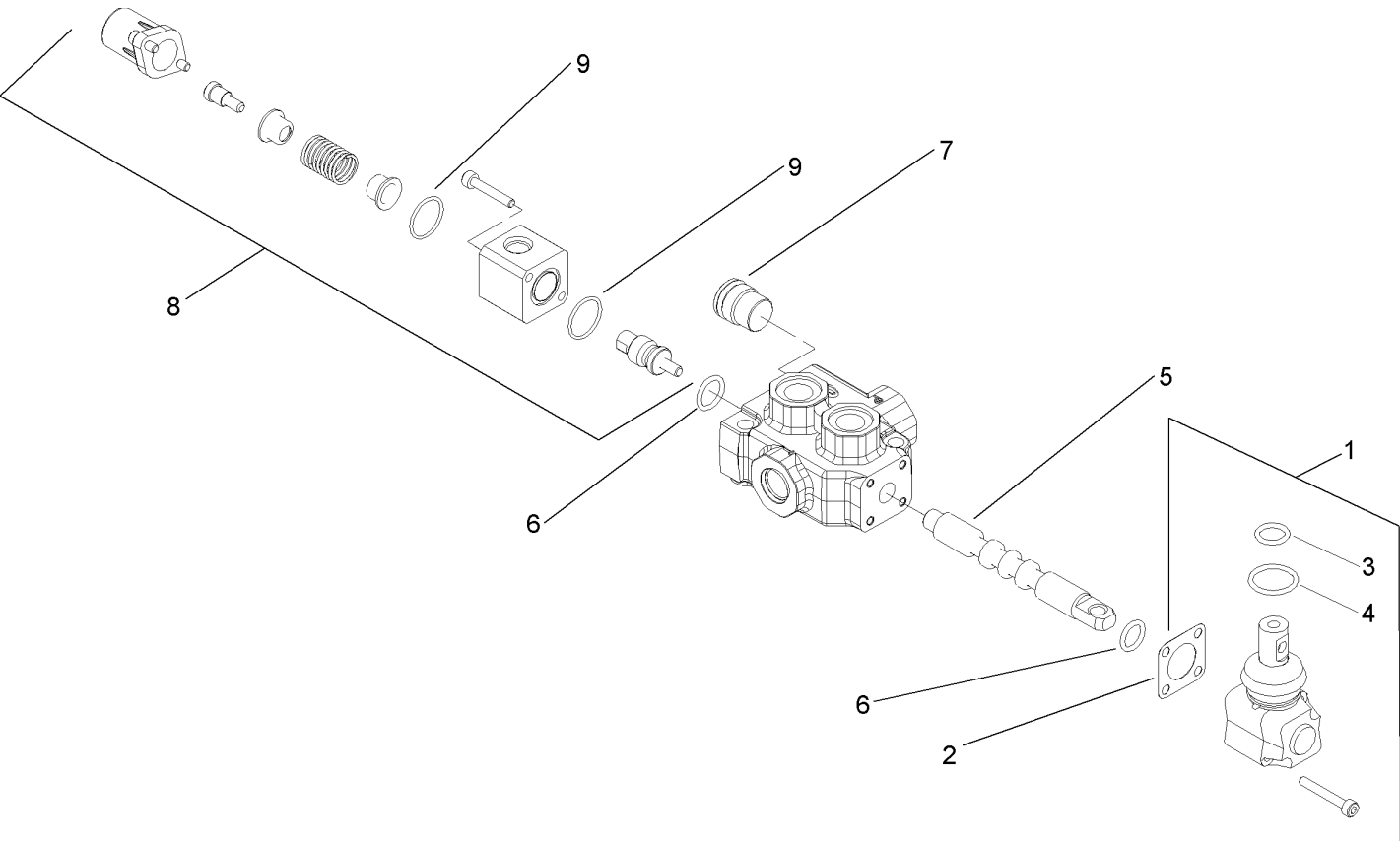
Hydraulic Pump Assembly No. 106-9471

Ref	Part No.	Qty.	Description				
1	103-2664	1	Input Shaft Kit				
2	103-2665	1	Thrust Bearing Kit				
3	103-2666	1	Cylinder Block Kit				
4	105-6185	1	Plate-Valve				
5	105-6184	1	Seal Overhaul Kit				
6	106-9498	1	Shock Valve Kit				



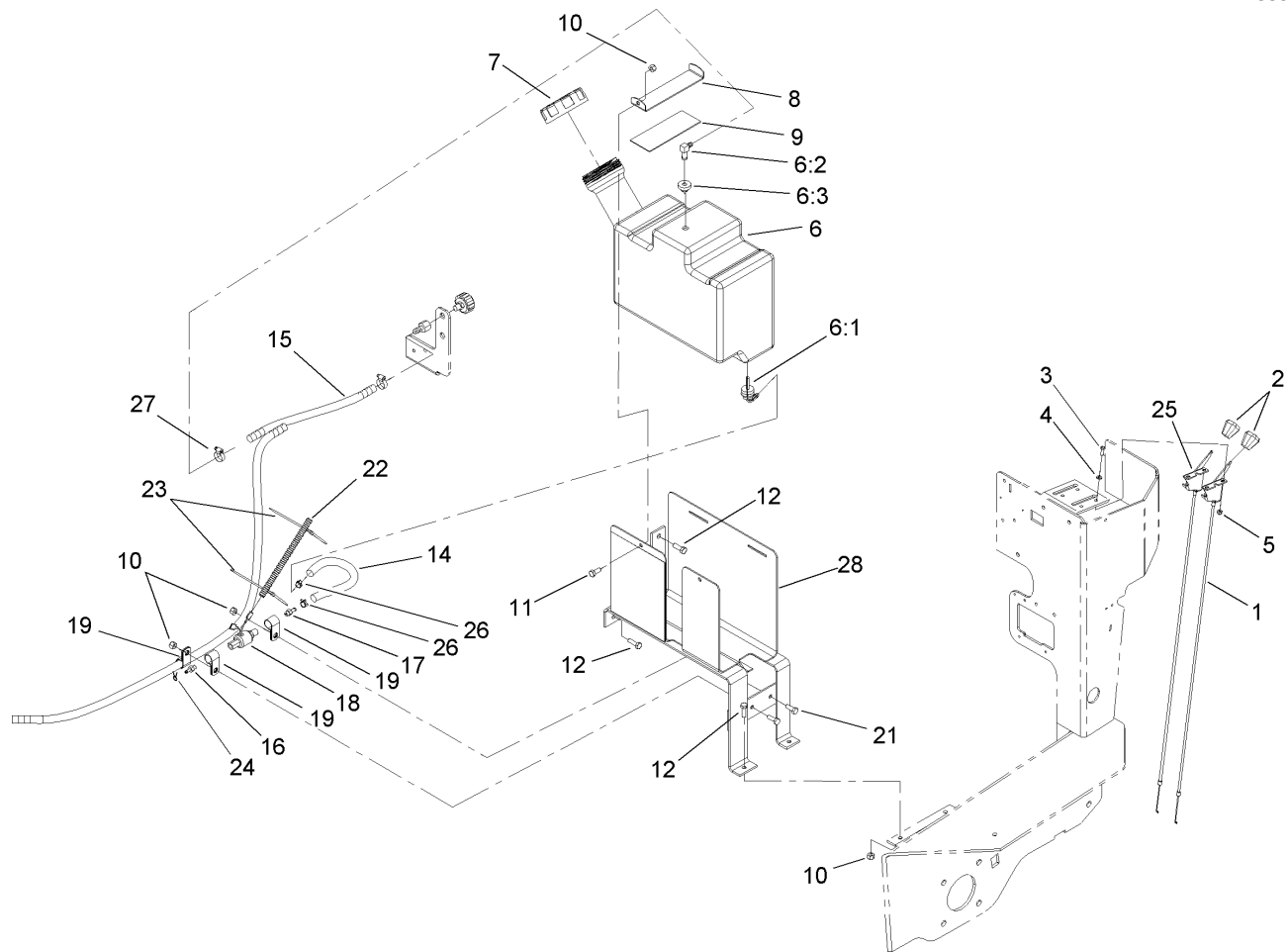
Principle Hydraulic Assembly

Ref	Part No.	Qty.	Description				
1	100-4246	1	Auxiliary Lever ASM				
2	100-6129	1	Spring-Torsion				
3	104-2827	1	Spacer-Hiflo				
4	48-7740	1	Screw				
5	3256-16	1	Washer-Flat				
6	3296-42	1	Nut-Lock, NI				
7	92-6798	1	Cap-Rod, Tilt				
8	72-4310	1	Switch-Ball				
9	237-42	1	O-Ring				
10	322-11	2	Screw-HH				
11	3296-29	2	Nut-Lock, NI				
12	106-9405	1	Valve-1 Spool				
13	340-4	3	Fitting-Hyd, Straight				
13:1	237-30	1	O-Ring				
13:2	237-79	1	O-Ring				
19	106-9437	1	Hydraulic Tube ASM				
20	340-98	3	Fitting-Hyd, 90 DEG				
20:1	237-79	1	O-Ring				
20:2	237-30	1	O-Ring				
21	106-9444	1	Hydraulic Tube ASM				
22	106-9443	1	Hydraulic Tube ASM				



Spool Valve Assembly No. 106-9405

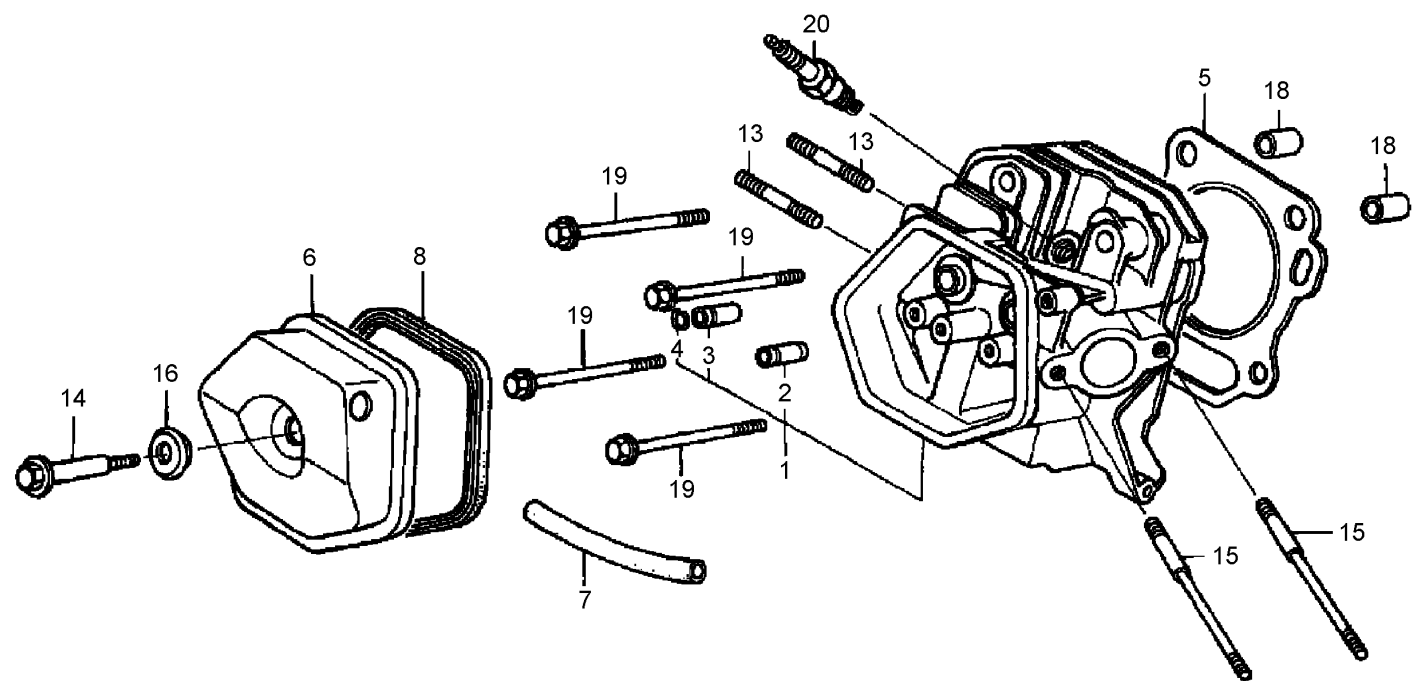
Ref	Part No.	Qty.	Description				
1	100-7229	1	Kit-Lever ASM				
2	99-3075	1	Gasket				
3	107-3564	1	Seal-Lever				
4	107-3566	1	Seal-Lever				
5	107-3567	1	Spool-Valve				
6	106-7719	2	Seal-Valve				
7	107-3569	1	Plug-Cavity,relief				
8	107-3571	1	Kit-Spring,end Cap				
9	107-3572	2	Seal-End Cap				



Fuel Tank Assembly

Ref	Part No.	Qty.	Description
1	106-9435	1	Cable-Choke
2	66-0120	2	Knob
3	3290-134	4	Screw
4	3256-21	4	Washer-Flat
5	3296-2	4	Nut-Lock
6	106-9460	1	Fuel Tank ASM
6:1	103-2605	1	Fitting-Fuel, Bulkhead
6:2	100-1597	1	Fitting-90 Degree
6:3	46-6560	1	Bushing
7	95-4192	1	Unleaded Gas Cap ASM
8	106-9457-03	2	Strap-Tank
9	106-9488	2	Felt-Strap
10	3296-29	8	Nut-Lock, NI
11	322-3	2	Screw-HH
12	322-5	4	Screw-HH
14	104-4119	1	Hose-Fuel
15	104-4848	1	Hose-Fuel
16	354-22	1	Fitting-Barb
17	304-73	1	Connector-Hose
18	106-9499	1	Valve-Shutoff, Fuel
19	2412-81	3	Clamp-R
21	322-4	2	Screw-HH
22	106-9504	1	Cover-Brace
23	3290-381	2	Tie-Cable

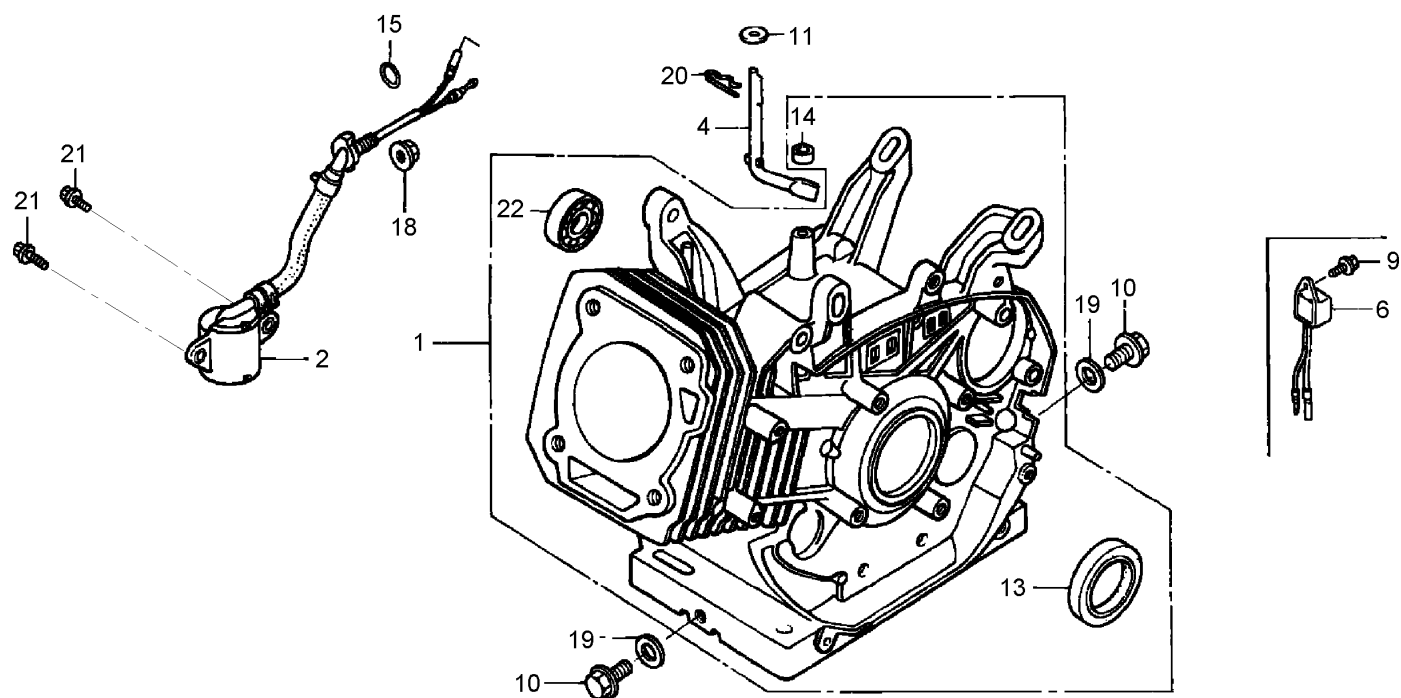
Ref	Part No.	Qty.	Description
24	2412-79	1	Clamp-Hose
25	106-9434	1	Cable-Throttle
26	2412-98	2	Clamp
27	2412-36	1	Clamp-Hose
28	106-9486	1	Tank Bracket ASM



Cylinder Head Assembly

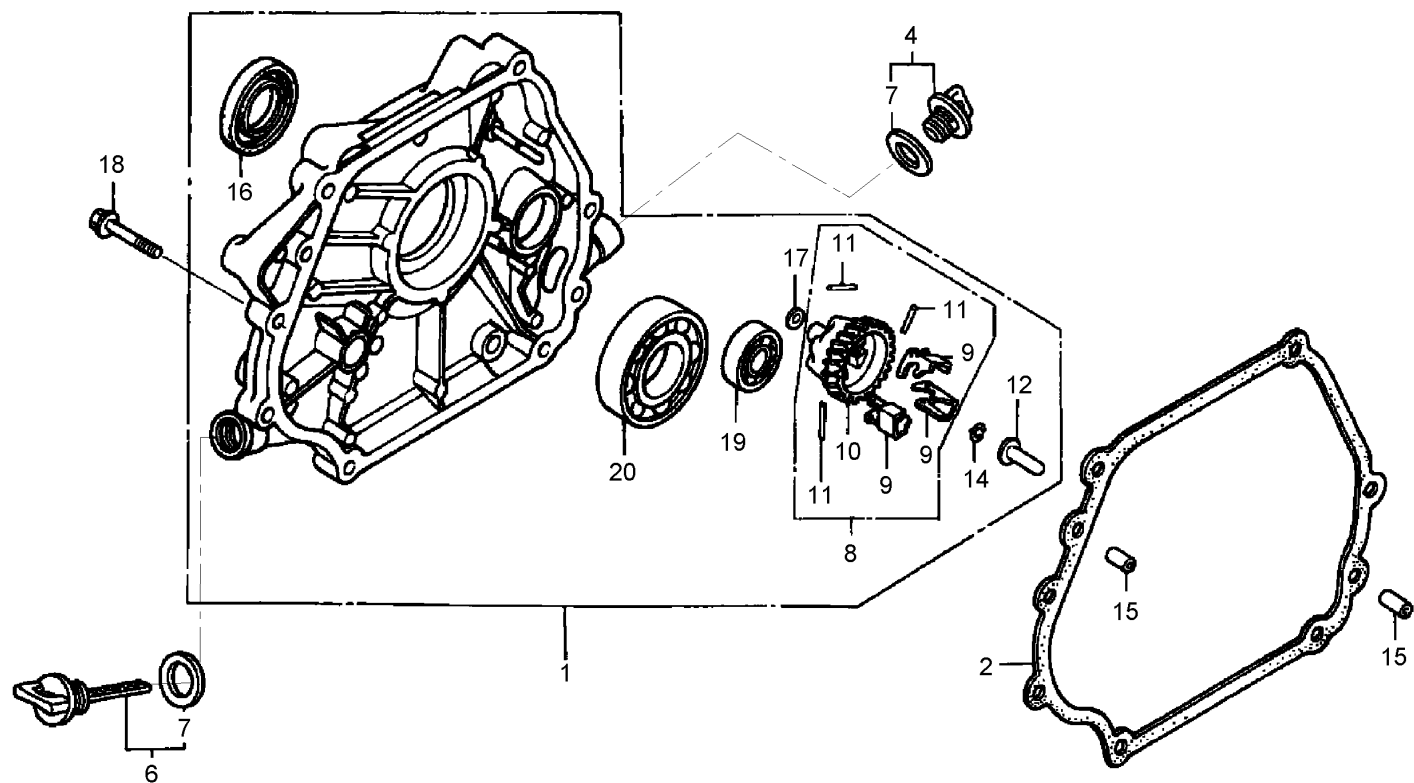
Ref	Part No.	Qty.	Description
❶1	12200-ZF6-406	1	Cylinder Head
❷2	12204-ZE2-306	1	Guide-Valve
❸3	12205-ZE2-305	1	Guide-Valve, Exhaust
❹4	12216-ZE2-300	1	Clip-Guide, Valve
❺5	12251-ZF6-W00	1	Gasket-Cylinder Head
❻6	12310-ZE2-020	1	Cover-Head
❼7	95005-11001-30M	1	Bulk Hose-Vacuum
❽8	12391-ZE2-020	1	Gasket-Cylinder Head Cover
❶13	92900-08032-0E	2	Bolt 2-Stud
❶14	90014-ZE2-000	1	Bolt-Head Cover
❶15	90042-ZE8-000	2	Bolt-Stud
❶16	90441-ZE2-010	1	Washer-Head Cover
❶18	94301-12200	2	Pin A-Dowel
❶19	95701-10080-00	4	Bolt-Flange

Ref	Part No.	Qty.	Description
❶20	98079-55846	1	Spark Plug (Bpr5es) (Ngk)
❶20	98079-55855	1	Spark Plug (W16epr-u) (Denso)
❶20	98079-56846	1	Spark Plug (Bpr6es) (Ngk)



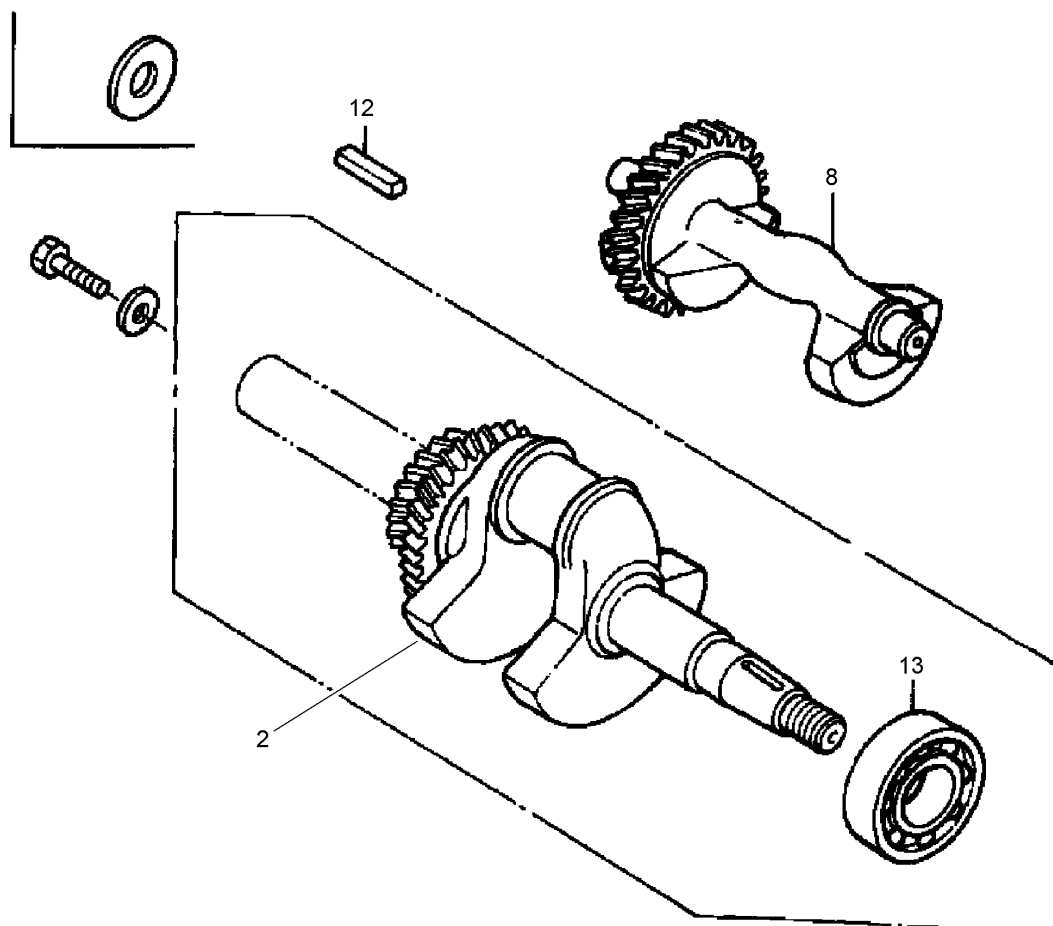
Cylinder Barrel Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
❸1	12000-ZF6-425	1	Cylinder ASM	❸21	95701-06012-00	2	Bolt, Flange
❸2	15510-ZE2-043	1	Switch ASM-Oil Level	❸22	96100-62020-00	1	Bearing-Radial Ball
❸4	16541-ZE3-010	1	Shaft-Governor Arm				
❸6	34150-ZH7-003	1	Alert Unit-Oil				
❸9	90013-883-000	1	Bolt-Flange				
❸10	90131-883-000	2	Bolt-Drain Plug				
❸10	90131-896-650	2	Bolt-Drain Plug				
❸11	90446-KE1-000	1	Washer				
❸13	91201-ZE3-004	1	Oil Seal				
❸14	91201-ZE9-003	1	Oil Seal				
❸14	91203-952-771	1	Oil Seal				
❸15	91353-671-003	1	O-Ring				
❸18	94050-10000	1	Nut-Flange				
❸19	94109-12000	2	Washer-Drain Plug				
❸20	94251-10000	1	Pin-Lock				



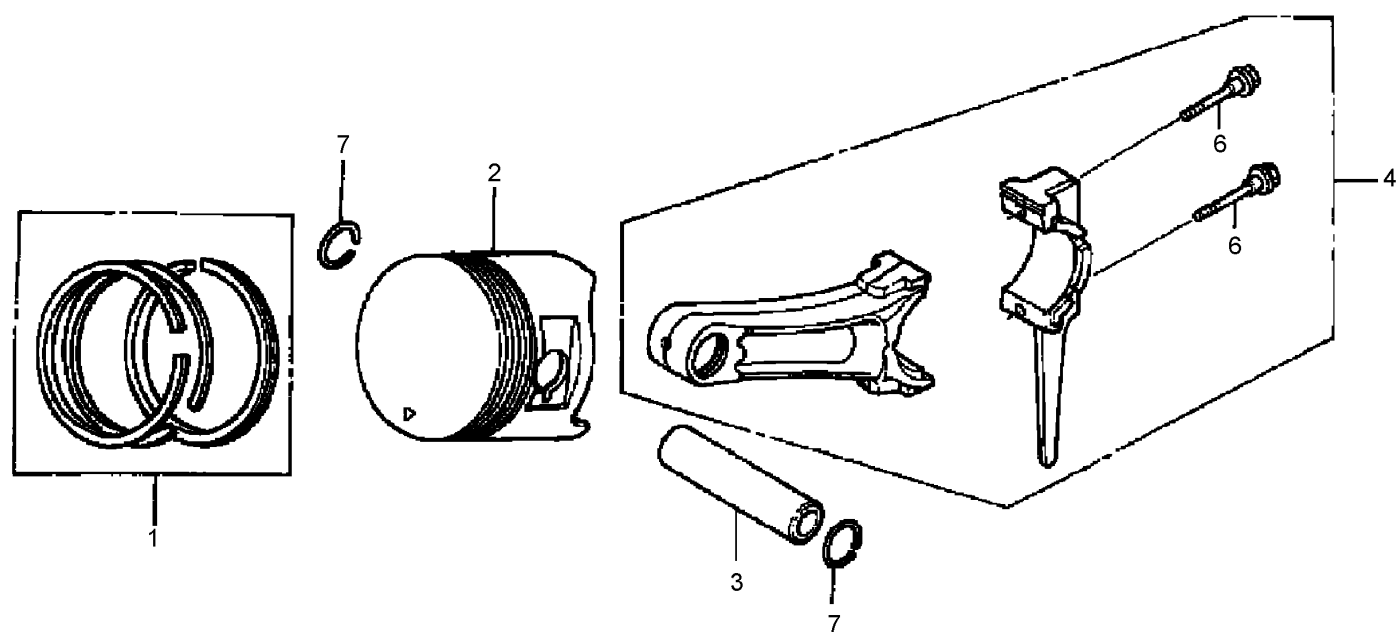
Crankcase Cover Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
❶1	11300-ZE3-604	1	Cover ASM-Crankcase	❶18	95701-08040-00	7	Bolt-Flange
❶2	11381-ZE3-801	1	Gasket-Case Cover	❶19	96100-62020-00	1	Bearing-Radial Ball
❶4	15600-ZG4-003	1	Cap ASM-Oil Filler	❶20	96100-62070-00	1	Bearing-Radial Ball
❶6	15600-735-003	1	Cap ASM-Oil Filler				
❶7	15625-ZE1-003	2	Gasket-Oil Filler Cap				
❶8	16510-ZE3-000	1	Governor ASM				
❶9	16511-ZE8-000	3	Weight-Governor				
❶10	16512-ZE3-000	1	Holder-Governor Weight				
❶11	16513-ZE2-000	3	Pin-Governor Weight				
❶12	16531-Z0A-000	1	Slider-Governor				
❶14	90602-ZE1-000	1	Clip-Governor Holder				
❶15	90701-HC4-000	2	Pin-Dowel				
❶16	91201-ZE3-004	1	Oil Seal				
❶17	94101-06800	1	Washer				



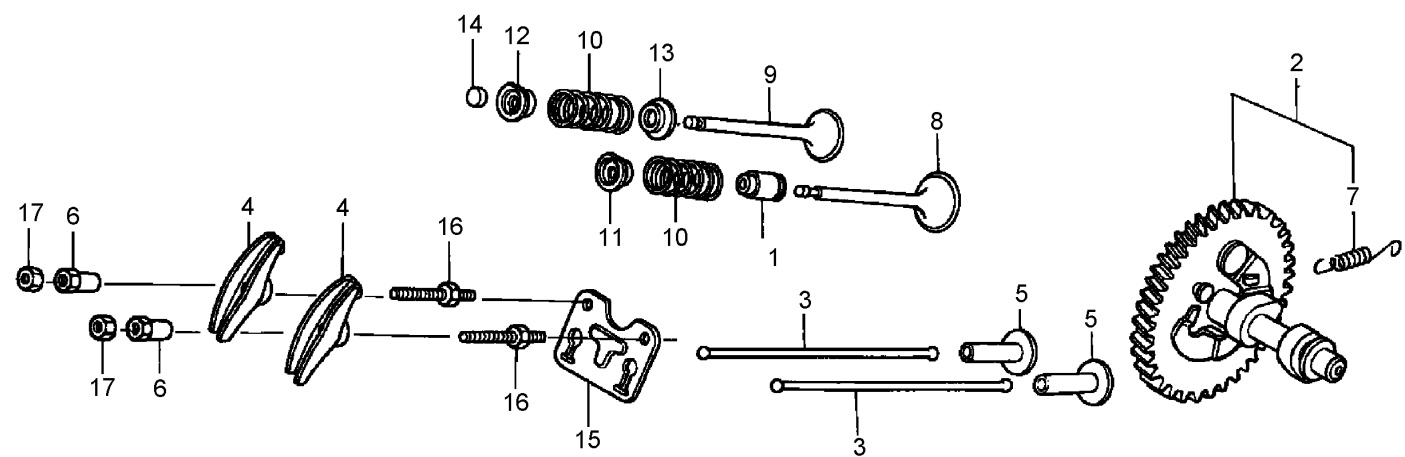
Crankshaft Assembly

Ref	Part No.	Qty.	Description				
③2	13310-ZF6-W10	1	Crankshaft (Q-type)				
③8	13351-ZE3-010	1	Weight-Balancer				
③12	90745-ZE2-600	1	Key				
③13	91001-ZF6-003	1	Bearing-Radial Ball (6207s)				



Piston Assembly

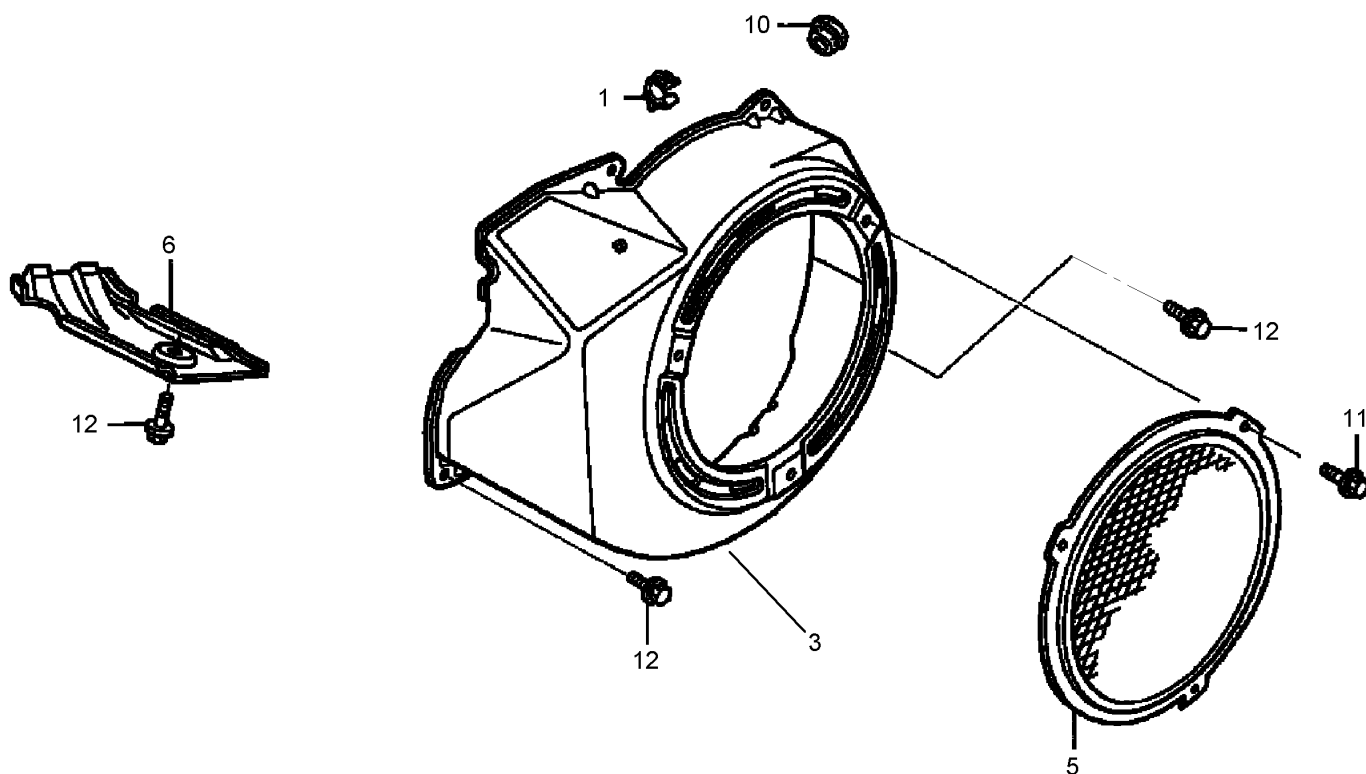
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	13010-ZF6-003	1	Ring Set, Piston (Std)	7	90601-ZE3-000	2	Clip-Piston Pin (20mm)
1	13011-ZF6-003	1	Ring Set, Piston (Os 0.25)				
1	13012-ZF6-003	1	Ring Set, Piston (Os 0.50)				
1	13012-ZF6-005	1	Ring Set, Piston (Os 0.50)				
1	13013-ZF6-003	1	Ring Set, Piston (0.75) (Nippon)				
2	13101-ZF6-W00	1	Piston (Std)				
2	13102-ZF6-W00	1	Piston (Os 0.25)				
2	13103-ZF6-W00	1	Piston (Os 0.50)				
2	13104-ZF6-W00	1	Piston (0.75)				
3	13111-ZF6-W00	1	Pin, Piston				
4	13200-ZE3-020	1	Rod ASM-Connecting (Std)				
4	13200-ZE3-315	1	Rod ASM-Connecting (Us 0.25)				
6	90001-ZE8-000	2	Bolt-Connecting Rod				



Camshaft Assembly

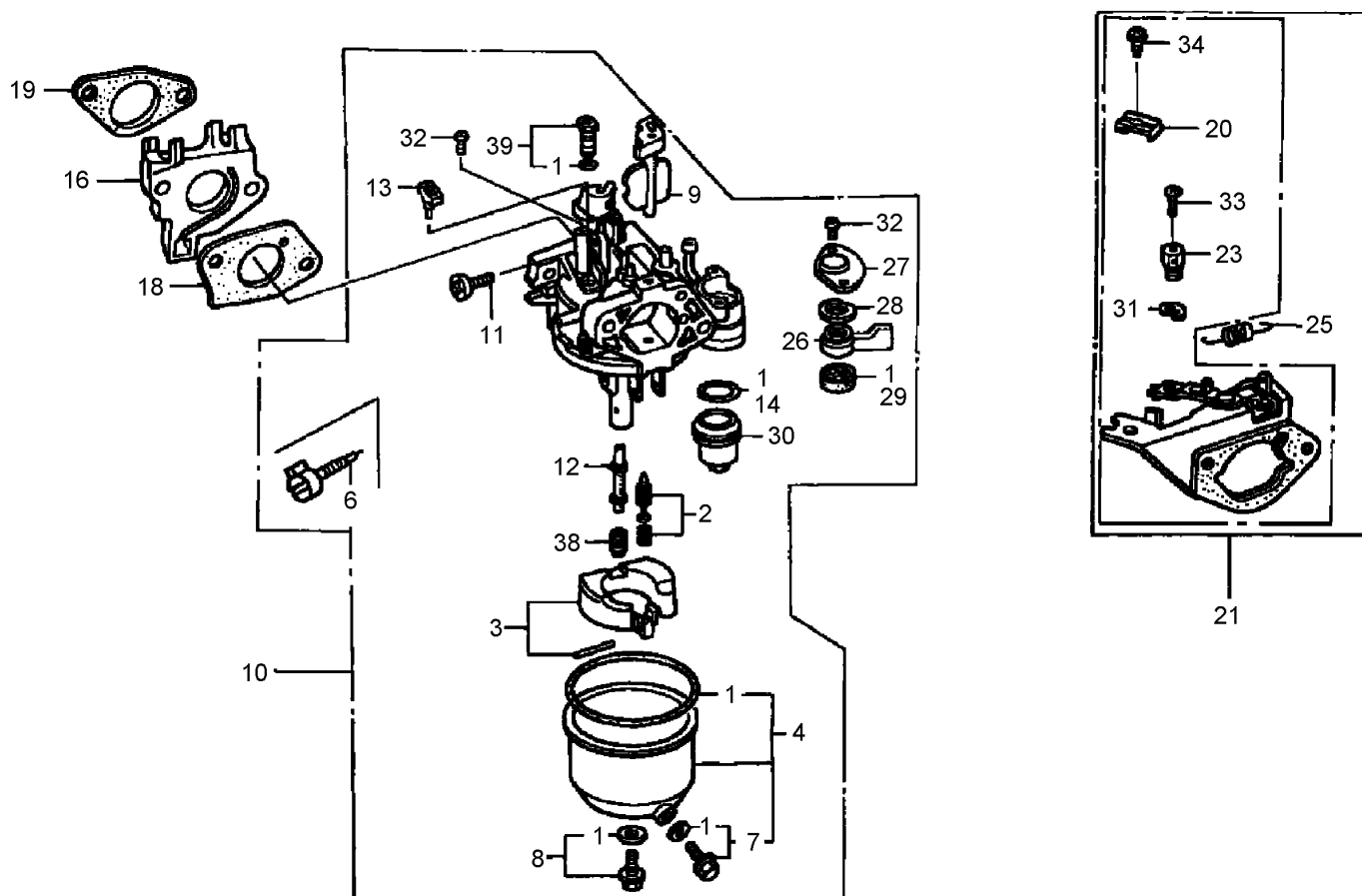
Ref	Part No.	Qty.	Description
❶1	12209-ZE8-003	1	Seal, Valve Stem
❷2	14100-ZF6-W01	1	Camshaft ASM
❸3	14410-ZE3-013	2	Rod, Push
❹4	14431-ZE2-010	2	Arm, Valve Rocker
❺5	14441-ZE2-000	2	Lifter, Valve
❻6	14451-ZE1-013	2	Pivot, Rocker Arm
❼7	14568-ZE1-000	1	Spring, Weight Return
❽8	14711-ZE3-000	1	Valve-Intake
❽9	14721-ZE3-000	1	Valve-Exhaust
❿10	14751-ZE2-003	2	Spring-Valve
❿11	14771-ZE2-000	1	Retainer, In. Valve
❿12	14773-ZE2-000	1	Retainer, Ex. Valve
❿13	14775-ZE2-010	1	Seat-Valve Spring

Ref	Part No.	Qty.	Description
❿14	14781-ZE2-000	1	Rotator-Valve
❿15	14791-ZE2-010	1	Plate-Push Rod
❿16	90012-ZE0-010	2	Bolt, Pivot (8mm)
❿17	90206-ZE1-000	2	Nut-Pivot Adj



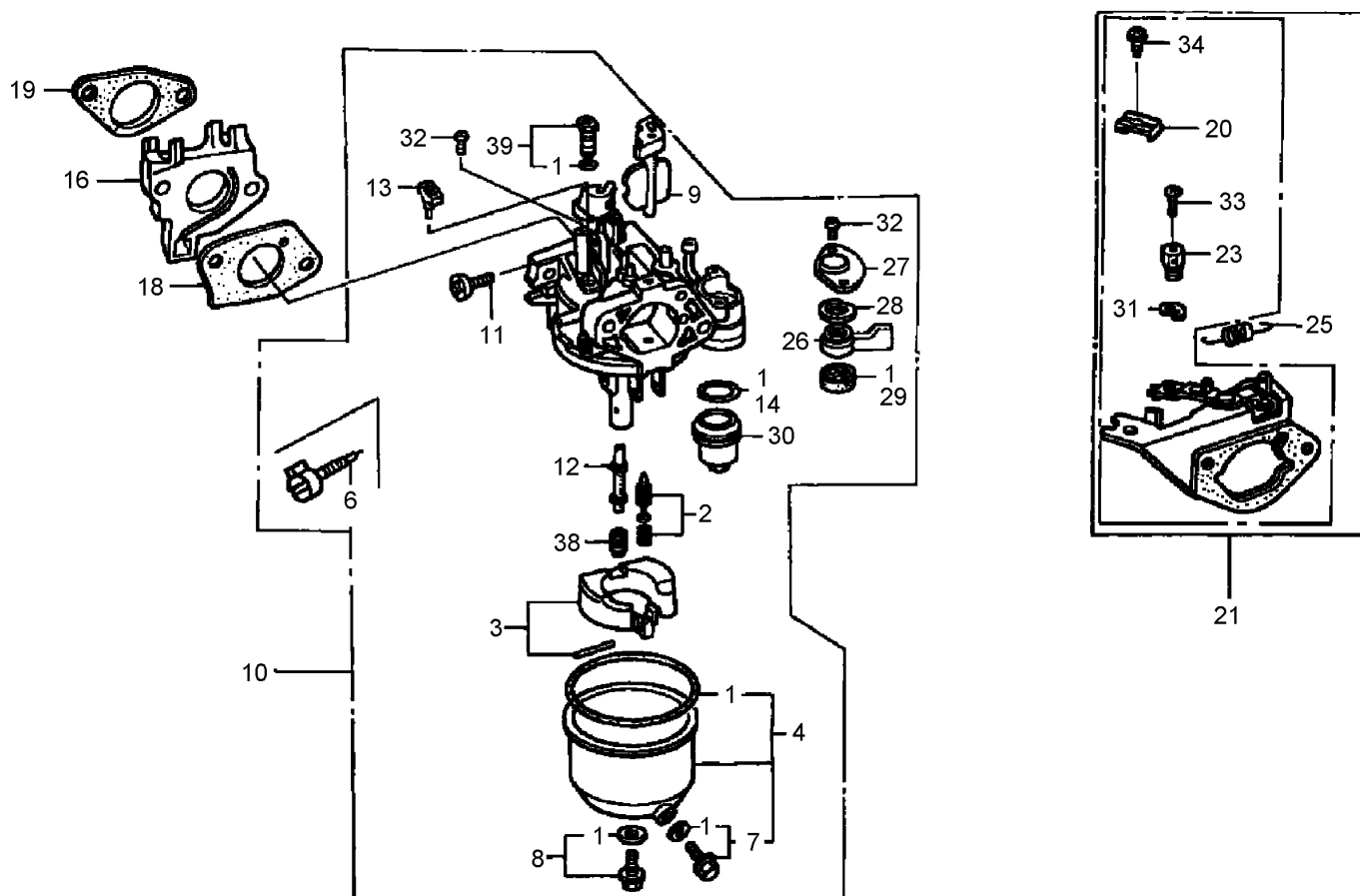
Fan Cover Assembly

Ref	Part No.	Qty.	Description				
③1	16731-ZE2-003	1	Clip-Tube				
③3	19610-ZE3-010ZL	1	Cover-Fan R280 (Power)				
③5	19620-ZE3-811	1	Protector-Fan Cover				
③6	19631-ZE3-W00	1	Shroud				
③10	81329-567-020	1	Grommet-Drain Hole				
③11	90008-ZE2-003	3	Bolt-Flange				
③12	90013-883-000	6	Bolt-Flange				



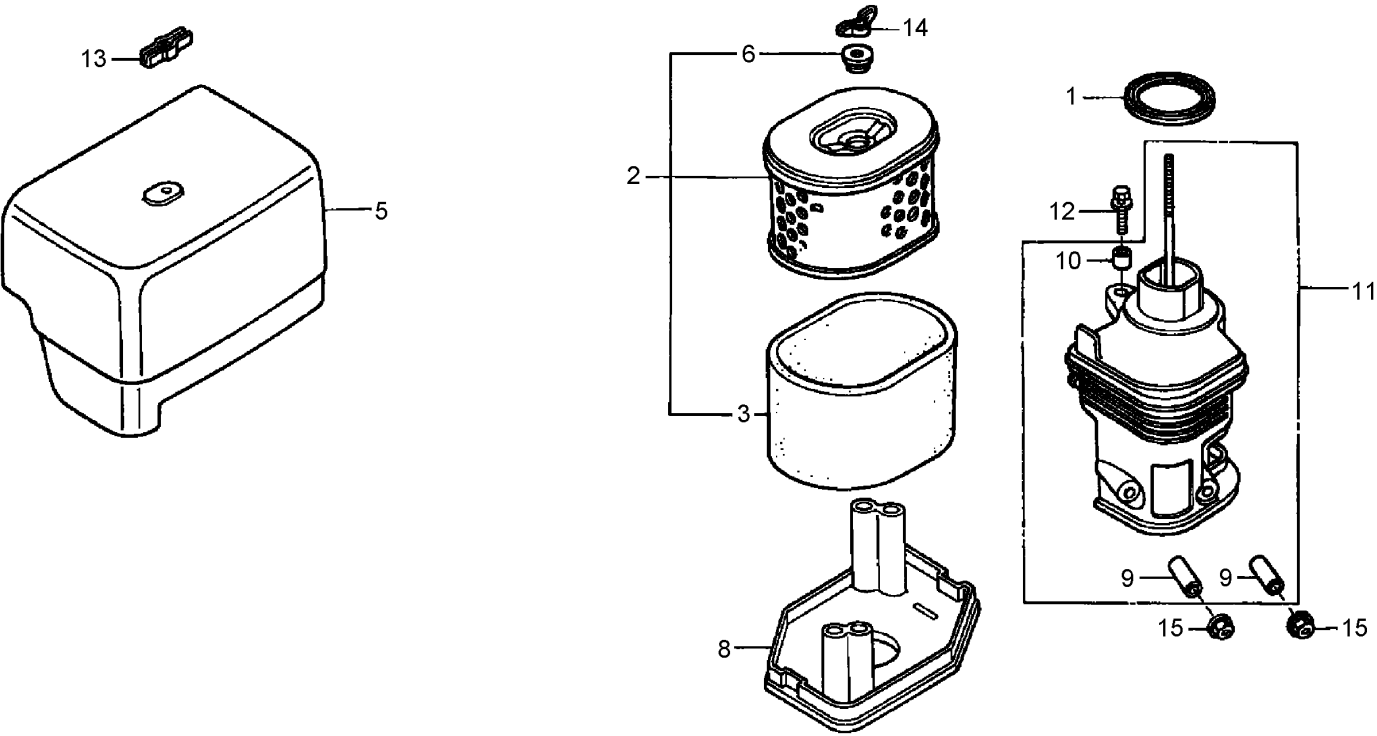
Carburetor Assembly

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
③1	16010-ZE2-812	1	Gasket Set	③16	16211-ZF6-000	1	Insulator-Carburetor
③2	16011-ZA0-931	1	Valve Set-Float	③18	16221-ZF6-800	1	Gasket-Carburetor
③3	16013-ZA0-931	1	Float Set	③19	16223-ZE3-W00	1	Gasket-Insulator
③4	16015-ZE8-005	1	Chamber Set-Float	③20	16576-891-000	1	Holder-Cable
③6	16016-ZH7-W01	1	Screw Set	③21	16590-ZE2-812	1	Stay ASM-Choke (Remote)
③7	16024-ZE1-811	1	Screw Set-Drain	③23	16594-883-010	1	Holder-Wire
③8	16028-ZE0-005	1	Screw Set B	③25	16615-ZE2-810	1	Spring-Return
③9	16044-ZE3-W20	1	Choke Set	③26	16953-ZE1-812	1	Lever-Valve
③10	16100-ZF6-V01	1	Carburetor ASM (Be85b)	③27	16954-ZE1-812	1	Plate-Lever Setting
③11	16124-ZE0-005	1	Screw-Throttle Stop	③28	16956-ZE1-811	1	Spring-Valve Lever
③12	16166-ZF6-V00	1	Nozzle-Main	③29	16957-ZE1-812	1	Gasket-Valve
③13	16172-ZE3-W10	1	Collar-Set	③30	16967-ZE0-811	1	Cup-Fuel Strainer
③14	16173-001-004	1	Gasket-Fuel Strainer	③31	90605-230-000	1	Circlip (5mm)
				③32	93500-03006-	2	Screw-Pan (3x6)



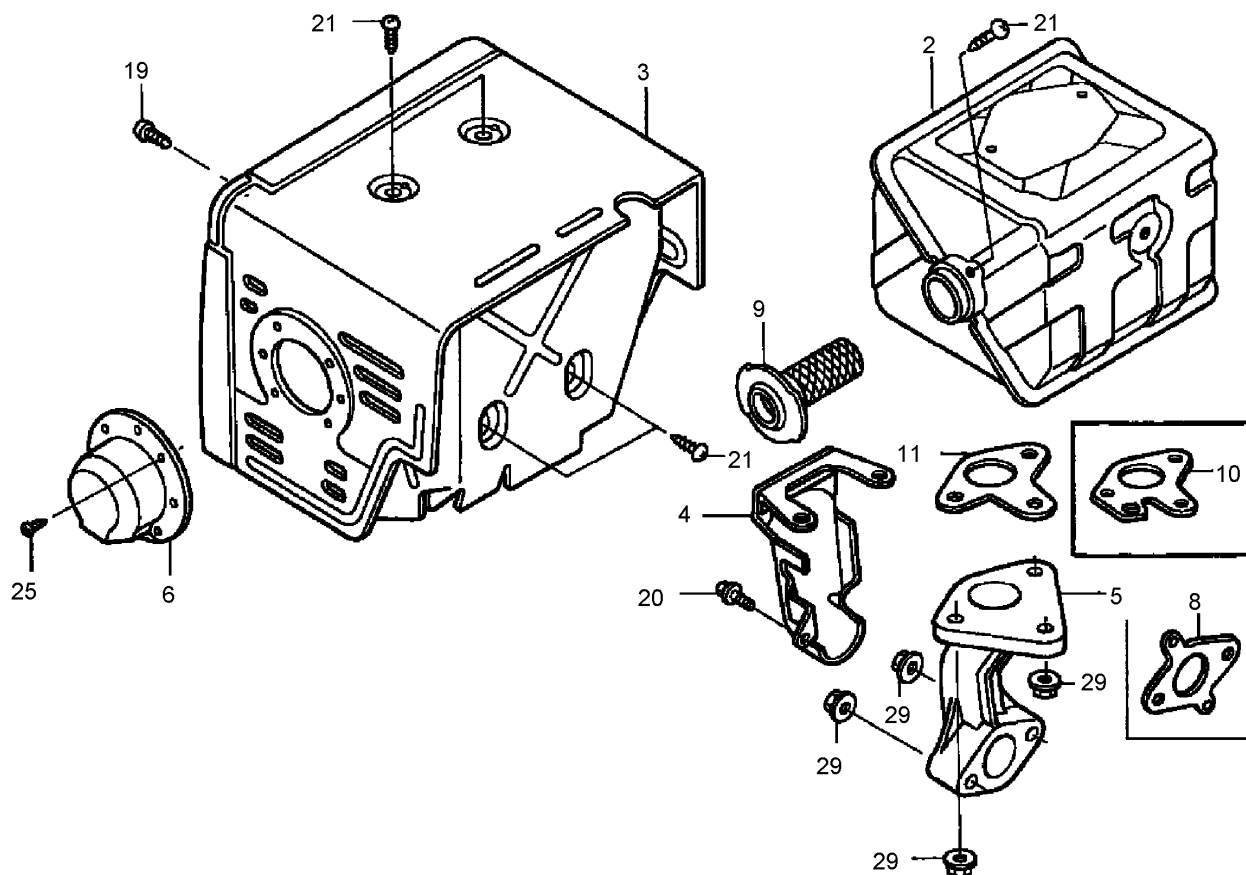
Carburetor Assembly (continued)

Ref	Part No.	Qty.	Description				
33	93500-04006-	1	Screw-Pan (4x6)				
34	93893-05016-	1	Screw-Washer				
38	99101-ZH8-0880	1	Jet-Main (#88)				
38	99101-ZH8-0900	1	Jet-Main (#90)				
38	99101-ZH8-0920	1	Jet-Main (#92)				
39	99204-ZA0-0450	1	Jet Set, Pilot (#45)				



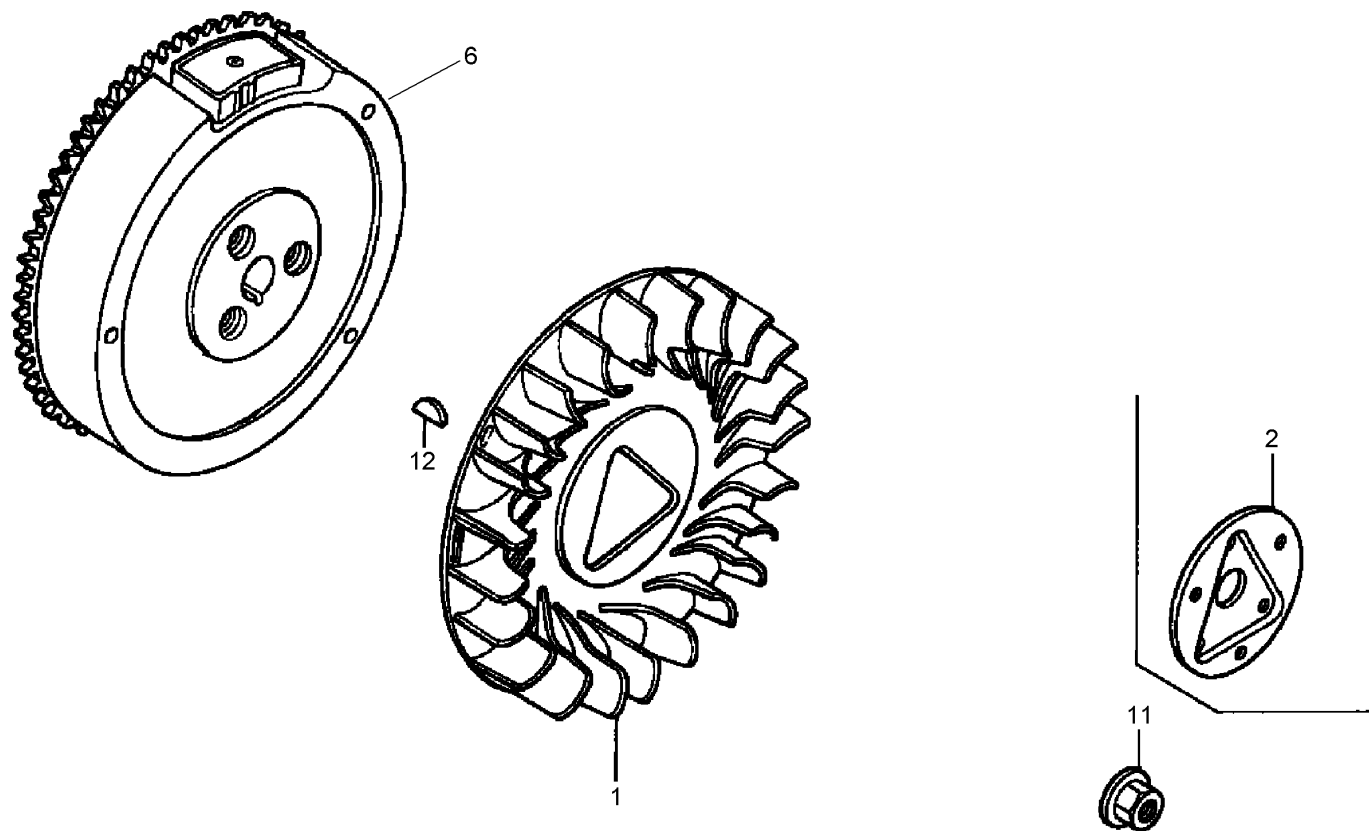
Air Cleaner Assembly

Ref	Part No.	Qty.	Description				
❶1	16271-ZE2-010	1	Gasket-Elbow				
❷2	17210-ZE3-505	1	Element-Air Cleaner				
❸3	17218-ZE3-000	1	Filter (Outer)				
❺5	17231-ZE3-W01	1	Cover-Air Cleaner				
❻6	17232-891-000	1	Grommet-Air Cleaner				
❸8	17235-ZH9-N00	1	Nose-Muffler				
❹9	17238-ZE2-310	2	Collar-Air Cleaner				
❺10	17239-ZE1-000	1	Collar B-Air Cleaner				
❺11	17410-ZH9-N00	1	Elbow-Air Cleaner				
❹12	90009-ZE2-003	1	Bolt-Washer (6x22)				
❹13	90203-ZA0-800	1	Wingnut (6mm)				
❹14	90325-044-000	1	Wingnut-Tool Box Setting				
❹15	94050-06000	2	Nut-Flange (6mm)				



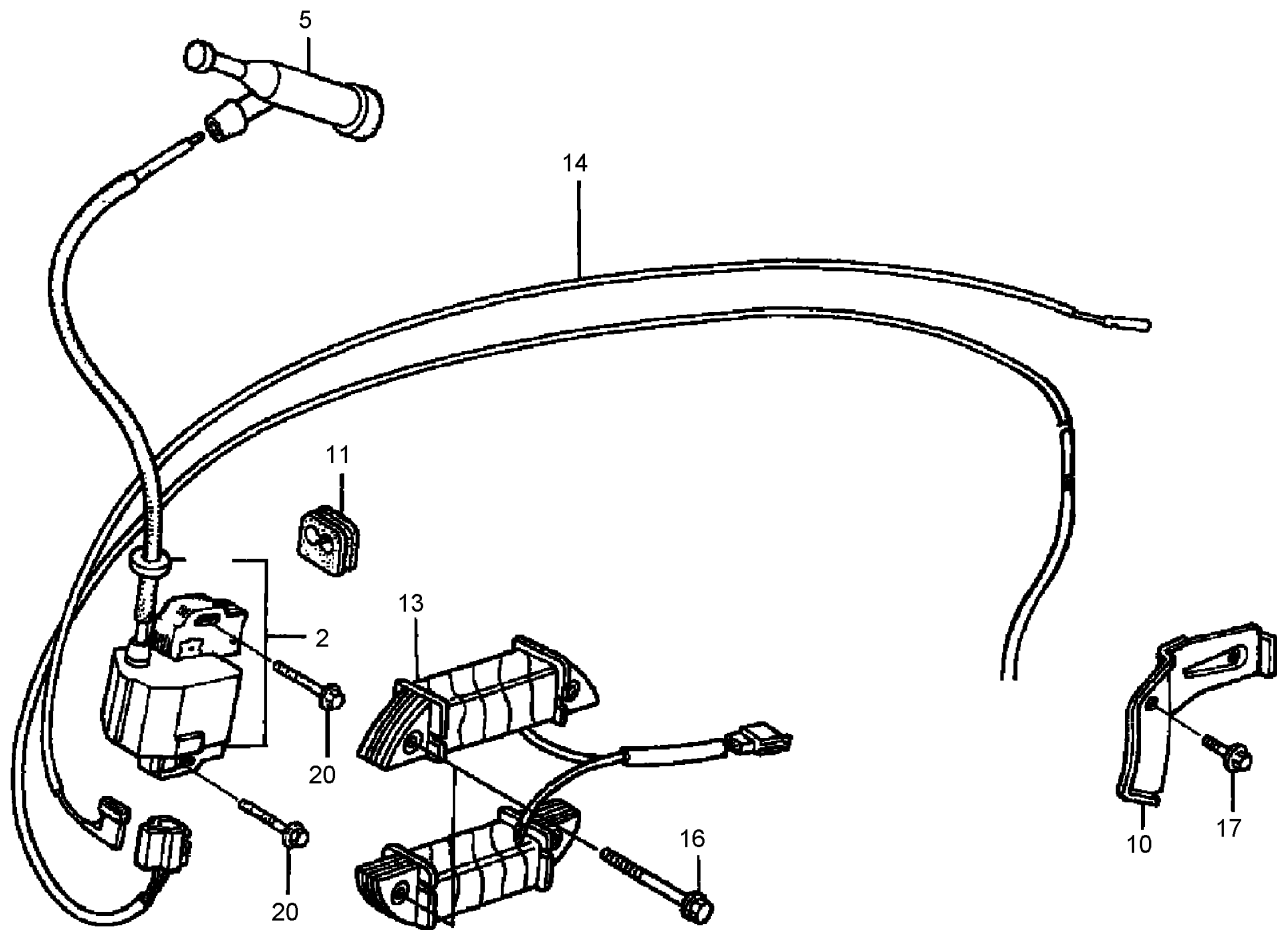
Muffler Assembly

Ref	Part No.	Qty.	Description				
32	18310-ZE2-W61	1	Muffler (100db)				
33	18320-ZE2-W61	1	Protector-Muffler				
34	18323-ZE3-W40	1	Protector-Exhaust Pipe				
35	18330-ZE2-W00	1	Pipe-Exhaust				
36	18331-ZE3-810	1	Cap-Muffler				
38	18333-ZF6-W01	1	Gasket-Exhaust Pipe				
39	18355-ZE2-W00	1	Arrester-Spark				
310	18381-ZE2-W10	1	Gasket-Muffler (Arrester)				
311	18381-ZE2-800	1	Gasket-Muffler				
319	90006-ZE2-000	1	Screw-Tapping (6x10)				
320	90013-883-000	1	Bolt-Flange				
321	90050-ZE1-000	4	Screw-Tapping (5x8)				
325	90055-ZE1-000	3	Screw-Tapping (4x6)				
329	94050-08000	5	Nut-Flange (8mm)				



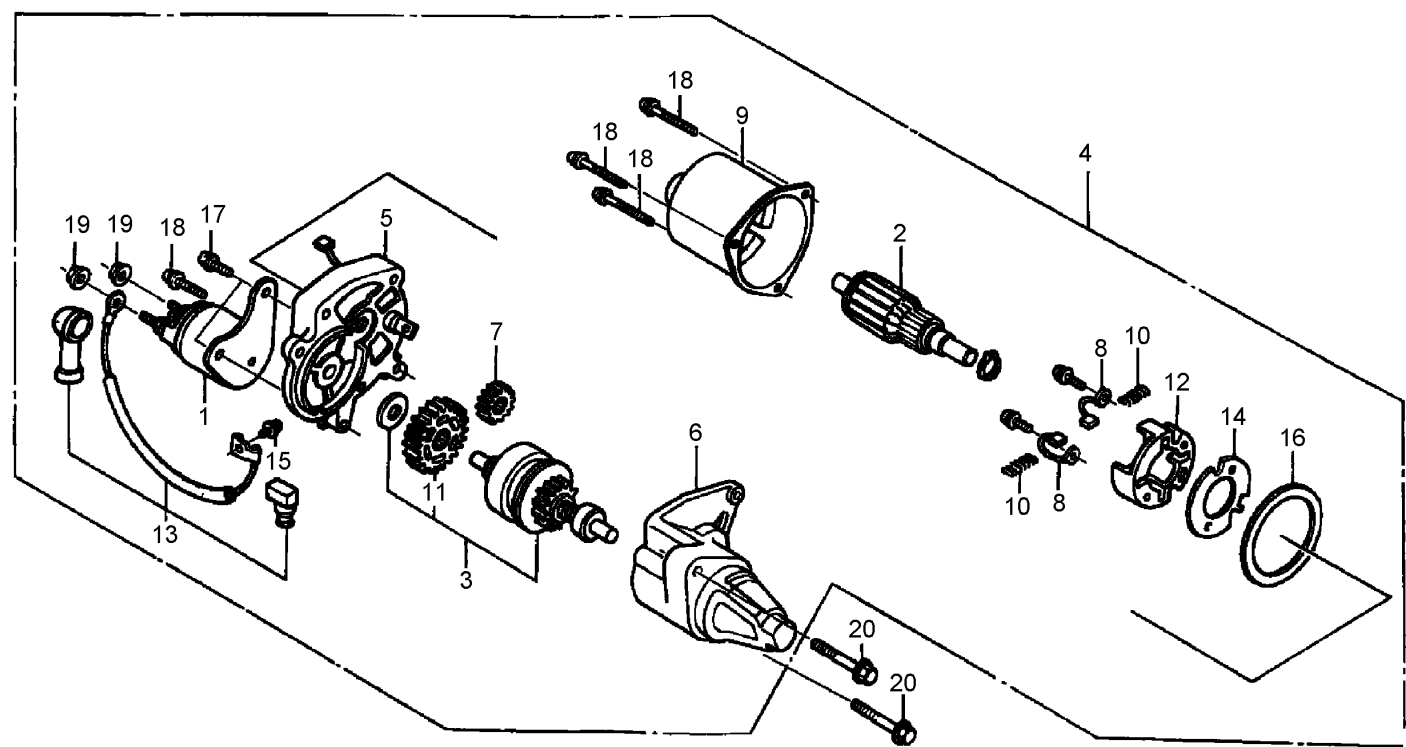
Flywheel Assembly

Ref	Part No.	Qty.	Description				
③1	19511-ZE3-000	1	Fan-Cooling				
③2	19512-ZE2-000	1	Plate-Cooling Fan Setting				
③6	31100-ZE3-W01	1	Flywheel (4 Pole)				
③11	90201-ZE3-V00	1	Nut-Special (16mm) (1)				
③12	90741-ZE2-000	1	Key-Woodruff (25x18)				



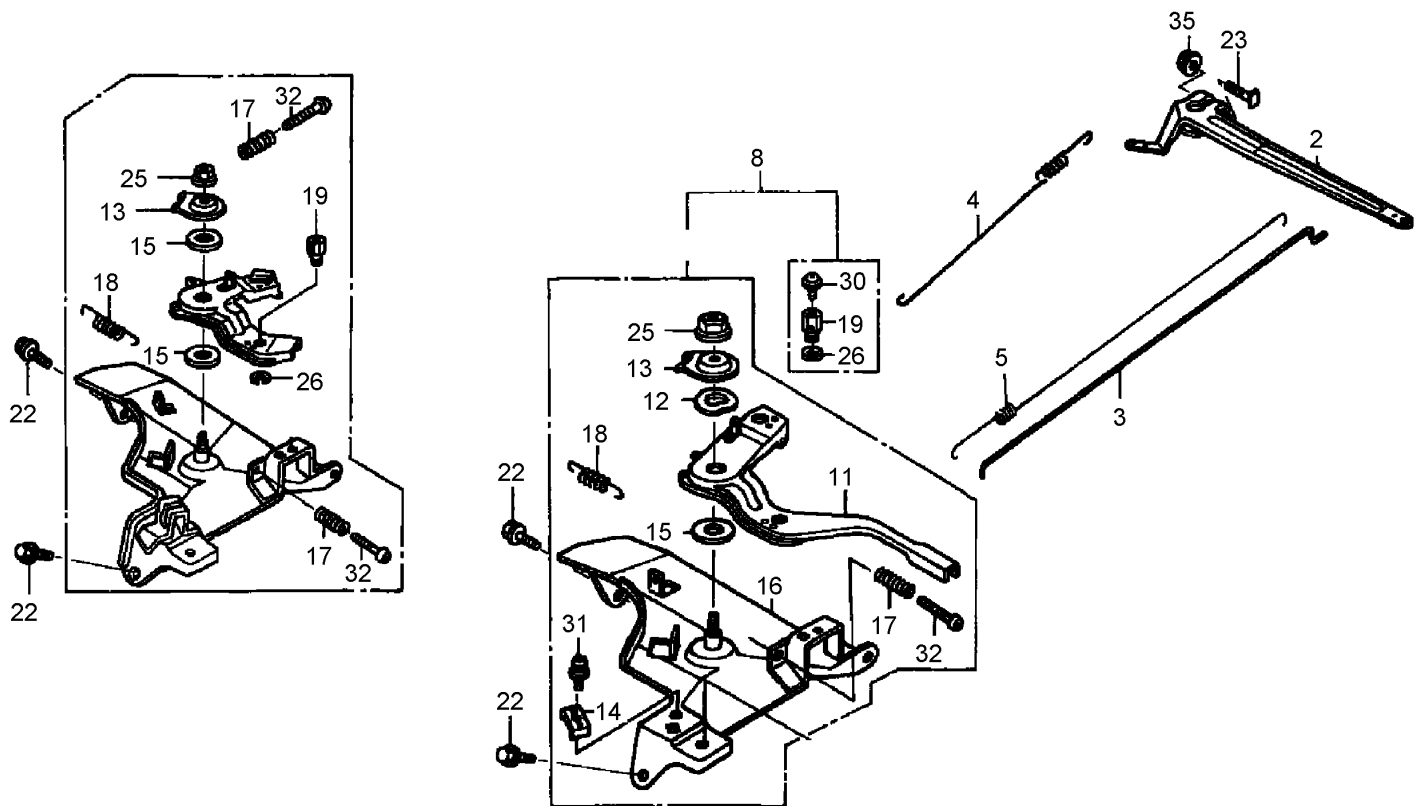
Ignition Coil Assembly

Ref	Part No.	Qty.	Description				
2	30500-ZF6-W02	1	Coil ASM-Ignition				
5	30700-ZE1-013	1	Cap ASM- Noise Suppressor				
10	31511-ZE3-000	1	Clamp-Wire				
11	31512-ZE2-000	1	Grommet-Wire				
13	31630-ZE2-861	1	Coil ASM-Charge (10a)				
14	36101-ZE2-701	1	Wire-Stop Switch (430mm)				
16	90012-888-000	4	Bolt-Flange (6x40)				
17	90013-883-000	1	Bolt-Flange				
20	90015-883-000	2	Bolt-Flange (6x28)				



Starter Motor Assembly

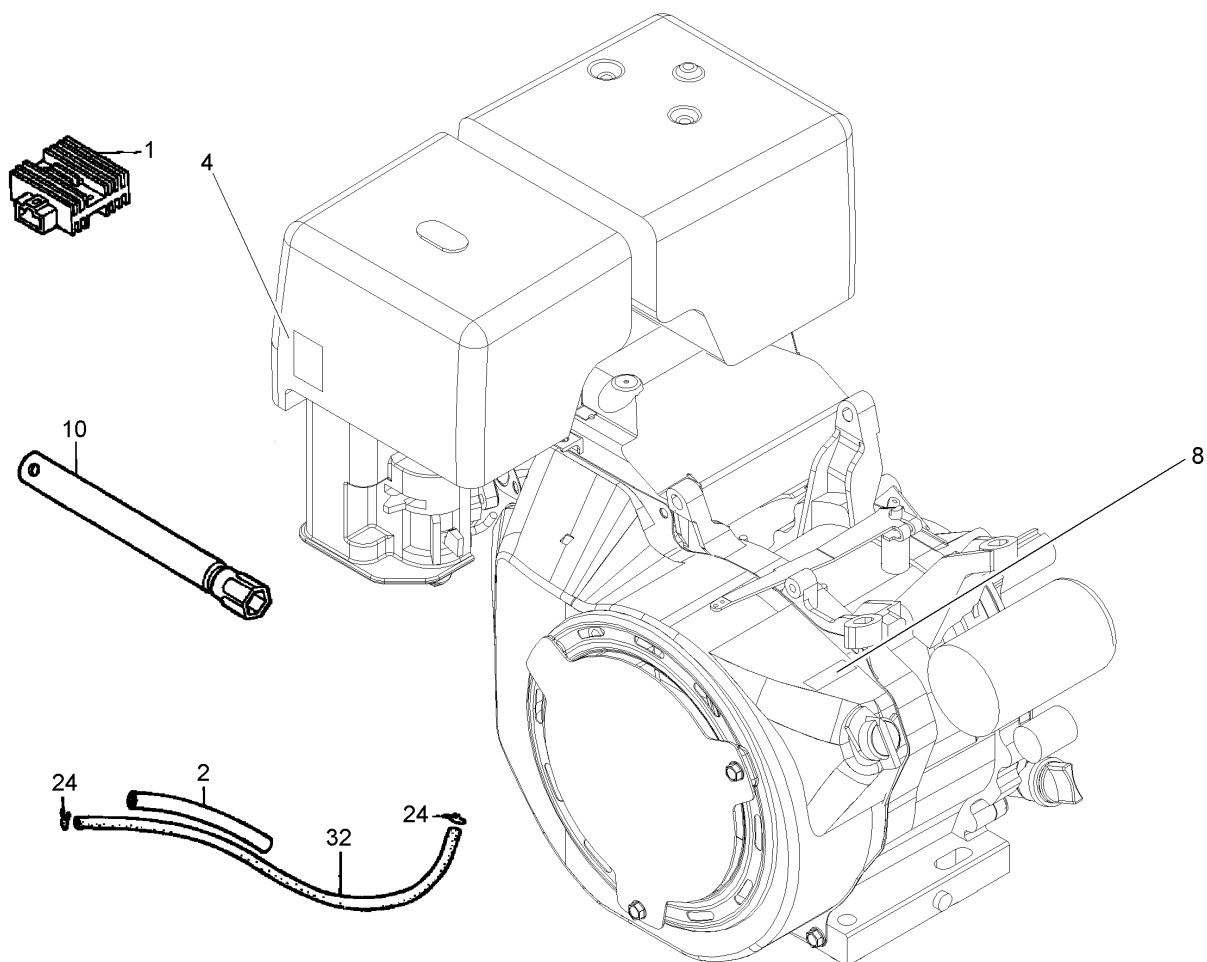
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	31204-ZA0-003	1	Contactactor ASM	14	31233-ZE2-003	1	Insulator
2	31206-ZE3-003	1	Armature	15	90110-ZE2-003	1	Screw-Washer (4x6)
3	31207-ZE3-003	1	Clutch-Overrunning	16	91601-ZE2-003	1	Gasket
4	31210-ZE3-013	1	Motor Unit-Starter	17	90007-ZE2-003	2	Bolt-Washer (5x14)
5	31211-ZE2-003	1	Bracket-Center	18	93892-05032-08	4	Screw-Washer (5x3)
6	31212-ZE3-003	1	Bracket-Fr	19	94070-06080	2	Nut-Washer (6mm)
7	31213-ZE2-003	1	Gear-Drive Pinion	20	95701-08035-08	2	Bolt-Flange (8x35)
8	31215-ZE2-003	2	Brush				
9	31218-ZE3-003	1	Yoke				
10	31219-ZE2-003	4	Spring-Brush Return				
11	31222-ZE3-791	1	Gear-Reduction				
12	31231-ZE2-003	1	Holder-Brush				
13	31232-ZE3-003	1	Wire-Water Cover				



Control Assembly

Ref	Part No.	Qty.	Description
2	16551-ZE3-000	1	Arm-Governor
3	16555-ZE3-000	1	Rod-Governor
4	16561-ZE3-000	1	Spring-Governor
5	16562-ZE3-000	1	Spring-Throttle Return
8	16570-ZE3-W10	1	Control ASM (Remote)
11	16571-ZE3-W00	1	Lever-Control
12	16574-ZE1-000	1	Spring-Lever
13	16575-ZE2-W00	1	Washer-Control Lever
14	16576-891-000	1	Holder-Cable
15	16578-ZE1-000	1	Spacer-Control Lever
16	16581-ZE3-W00	1	Base-Control
17	16584-883-300	1	Spring-Control Adjusting
18	16592-883-310	1	Spring-Cable Return

Ref	Part No.	Qty.	Description
19	16594-883-010	1	Holder-Wire
22	90013-883-000	2	Bolt-Flange
23	90015-ZE5-010	1	Bolt-Governor Arm
25	90114-SA0-000	1	Nut-Self-Lock (6mm)
26	90605-230-000	1	Circlip (5mm)
30	93500-04006-0H	1	Screw-Pan (4x6)
31	93500-05016-0A	1	Screw-Pan (5x16)
32	93893-05016-00	1	Screw-Washer (5x16)
32	93500-05032-0A	1	Screw-Pan (5x32)
35	94050-06000	1	Nut-Flange (6mm)



Miscellaneous Part Assembly

Ref	Part No.	Qty.	Description				
③1	31600-ZE2-861	1	Rectifier ASM-Regulator				
③2	16854-ZH8-000	1	Rubber-Supporter (107mm)				
③4	87528-ZE2-810	1	Mark-Choke (External)				
③8	87532-ZH8-810	1	Mark, Oil Alert (E)				
③10	89218-ZE1-000	1	Wrench-Spark Plug				
③24	95002-02080	2	Clip-Tube (B8)				
③32	95001-45003-60M	1	Hose-Fuel (4.5x3000) (4.5x235)				

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