



Precision Z320 H Riding Mower

Model No. 81230 - 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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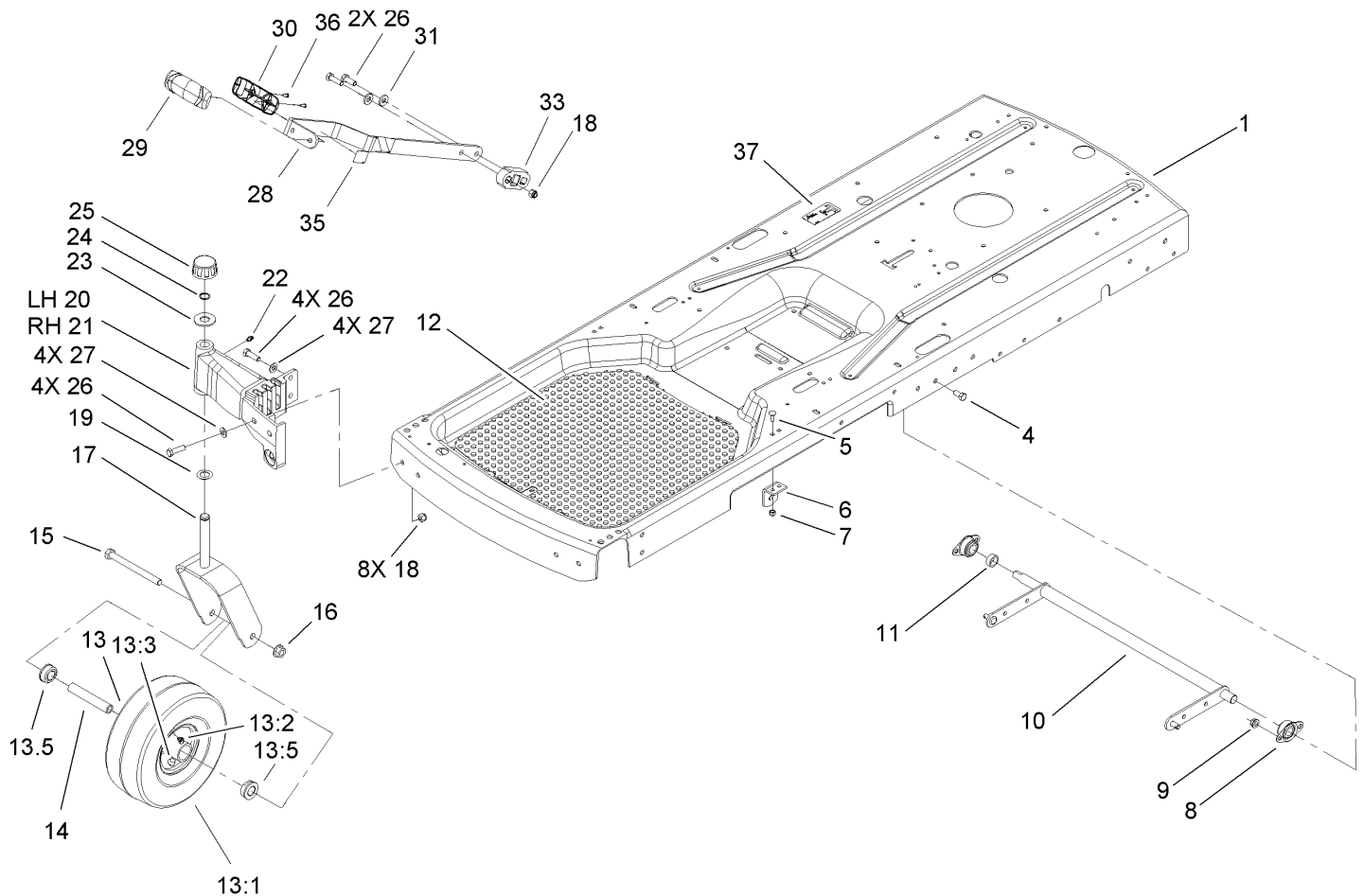
Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

AR. as required	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

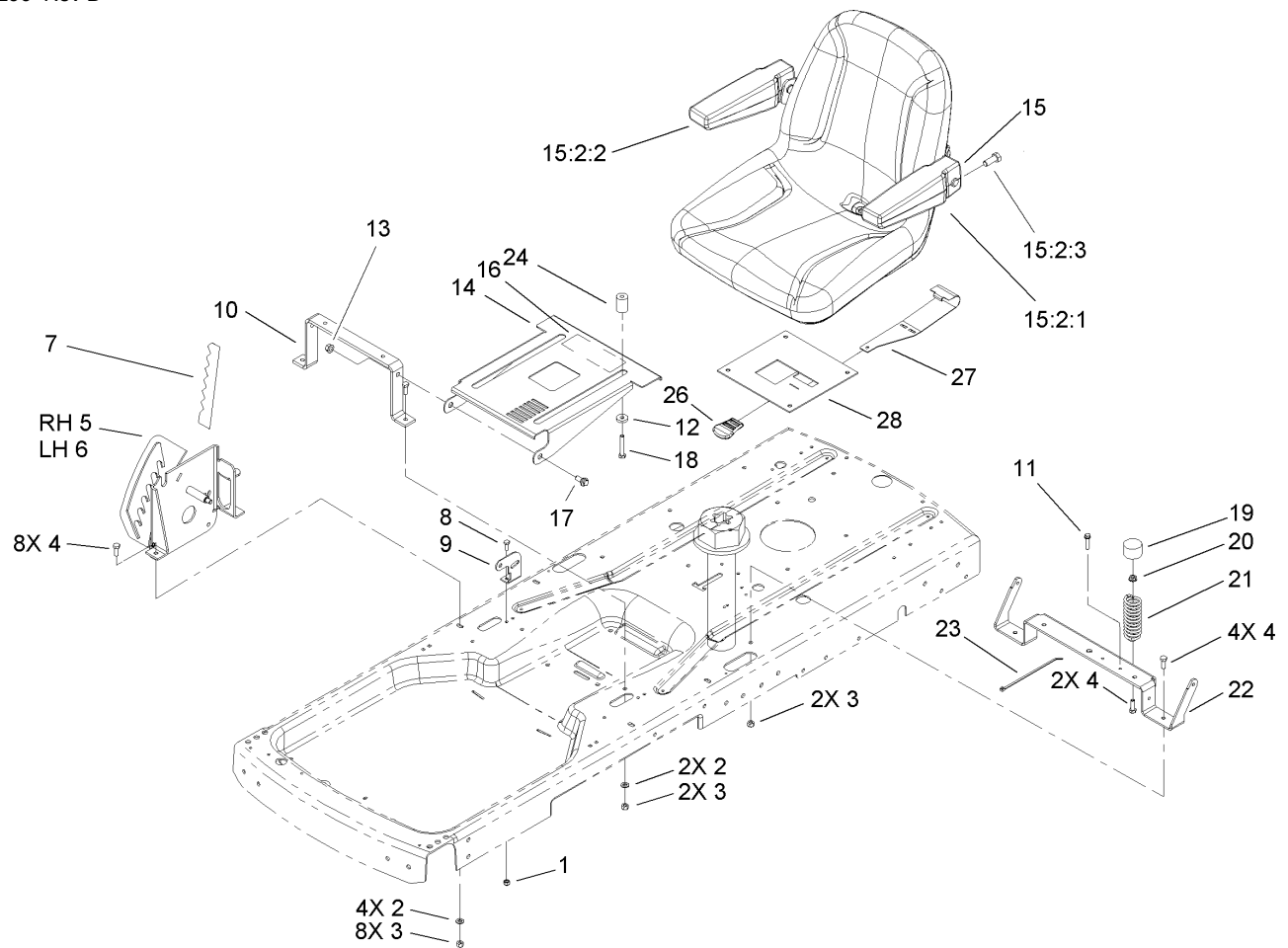
- ❶ Not illustrated
- ❷ Not serviced separately
- ❸ Obtain from your local Honda dealer



Front Frame Assembly

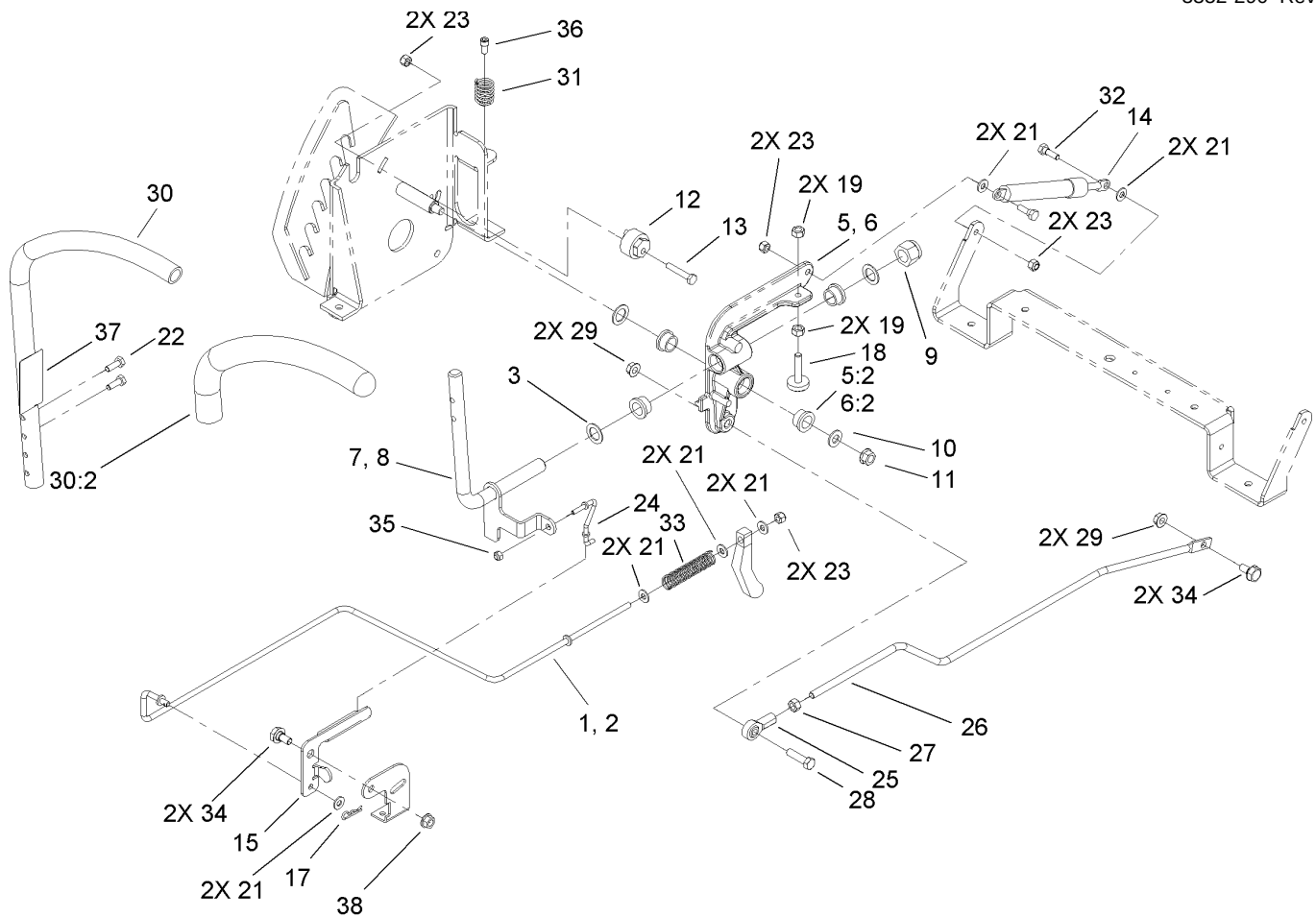
Ref	Part No.	Qty.	Description
1	108-2326	1	Frame
4	323-4	4	Screw-HH
5	3229-1	4	Screw-CARR
6	105-3439	2	Bracket-Lift
7	3296-42	4	Nut-Lock, NI
8	1-633102	2	Bearing-Flange, Side
9	3290-357	4	Nut-HHF, Whiz
10	105-3499-03	1	Lift Arm ASM
11	106-2222	1	Spacer
12	108-6161	1	Footmat-Frame
13	108-6126	2	Castor Wheel ASM
13:1	105-1943	1	Tire
13:2	302-5	1	Fitting-Grease
13:3	232-27	1	Stem-Valve
13:5	114-1640	2	Bushing-Flange
13:99	93-4244	1	Tube-Inner (W/Valve)
14	104-3667	2	Spanner-Wheel
15	325-22	2	Screw-HH
16	32128-23	2	Nut-HF
17	107-9119-03	2	Castor Fork ASM
18	3296-39	9	Nut-Lock, NI
19	3-6498	2	Washer-Thrust
20	105-6986-02	1	Castor-LH
21	105-6985-02	1	Castor-RH

Ref	Part No.	Qty.	Description
22	302-5	2	Fitting-Grease
23	28-2480	2	Washer
24	32151-103	2	Ring-Snap
25	61-9780	2	Cap-Hub
26	323-18	10	Screw-HH
27	3256-24	8	Washer-Flat
28	108-2317-03	1	Lever-Lift
29	108-2318	1	Handle-Top
30	108-2319	1	Handle-Bottom
31	98-5975	2	Washer-Belleville
33	106-2211	1	Block-Lift
35	106-8743	1	Decal
36	94-6961	2	Screw
37	108-6109	1	Decal-Transport, Ce



Seat Assembly

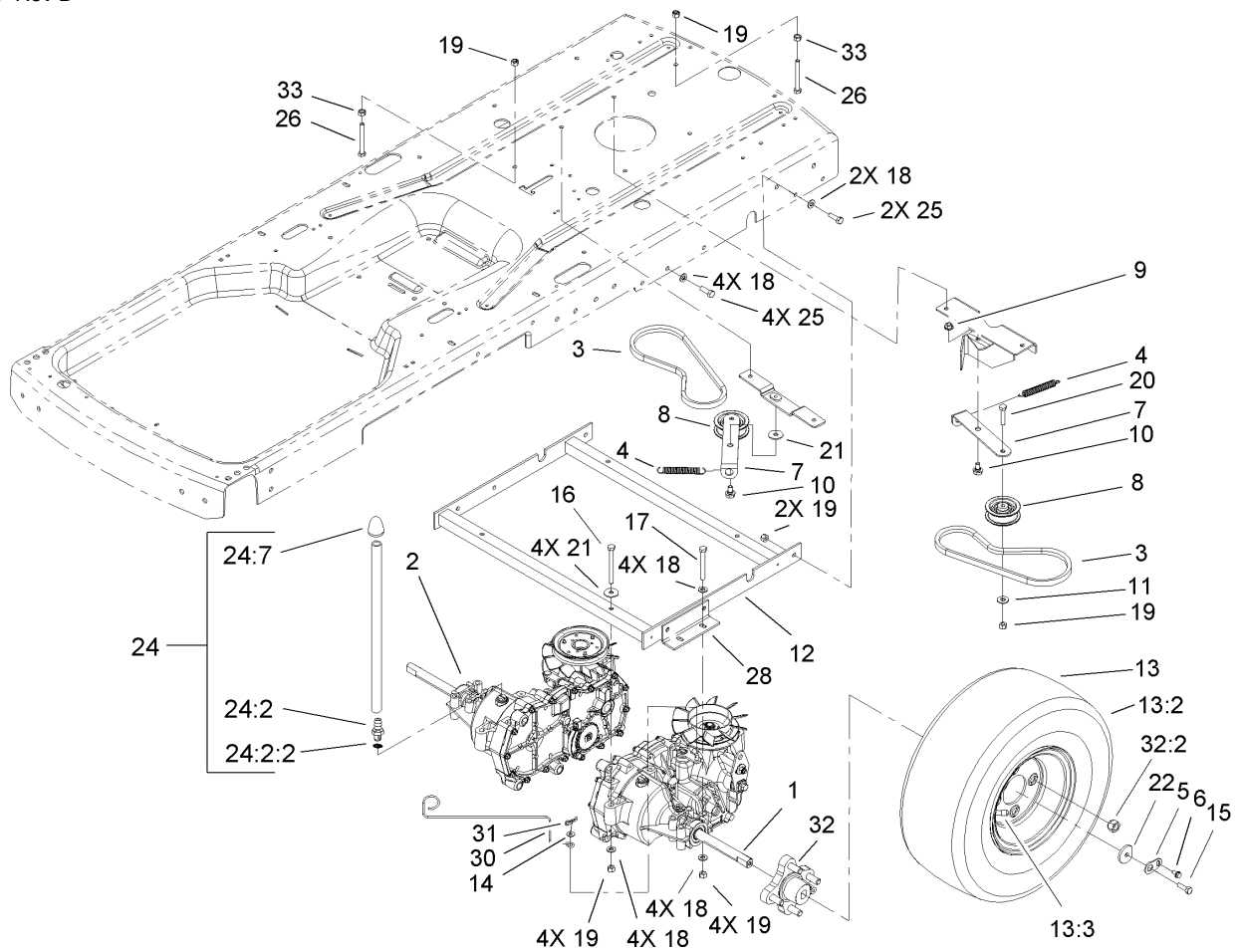
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	3296-42	4	Nut-Lock, NI	22	108-2358-03	1	Brace-Seat, Rear
2	3256-23	6	Washer-Flat	23	614249	2	Strap-Tie
3	3296-29	12	Nut-Lock, NI	24	108-2301	4	Spacer
4	322-4	14	Screw-HH	26	107-1904	1	Knob-Lever, HOC
5	106-2158-03	1	RH Plate ASM	27	108-2302	1	Latch-Seat
6	106-2159-03	1	LH Plate ASM	28	108-7175-03	1	Mount-Latch, Seat
7	108-2392	1	Decal-HOC				
8	321-4	4	Screw-HH				
9	106-2180	2	Bracket-Bellcrank				
10	105-6954-03	1	Brace-Seat, Front				
11	32144-86	2	Screw-HWHTF				
12	108-2353	4	Spacer				
13	32128-21	2	Nut-HF				
14	108-2303-03	1	Bracket-Seat				
15	106-6446	1	Seat ASM				
15:2:1	108-6177	1	LH Armrest ASM				
15:2:2	108-6178	1	RH Armrest ASM				
15:2:3	108-6179	6	Screw-HSBH				
16	106-8716	1	Decal-Services				
17	94-7582	2	Bolt-Shoulder				
18	322-11	4	Screw-HH				
19	701178	2	Cap-Protector				
20	32128-25	2	Nut-HF				
21	92-7054	2	Spring-Compression				



Control Assembly

Ref	Part No.	Qty.	Description
1	105-7045	1	Rod-Brake, LH
2	105-7044	1	Rod-Brake, RH
3	105-3481	6	Washer-Thrust
①5	107-4909	1	LH Activator Arm ASM
①5:2	105-3455	4	Bushing
6	107-4910	1	RH Activator Arm ASM
6:2	105-3455	4	Bushing
①7	105-3488	1	LH Pivot Shaft ASM
8	105-3487	1	RH Pivot Shaft ASM
9	3296-53	2	Nut-Lock, NI
10	3256-24	2	Washer-Flat
11	3296-59	2	Nut-Lock, NI
12	107-4874	2	Eccentric
13	321-9	2	Screw-HH
14	103-2913	2	Damper-Control, Motion
15	106-2181	2	Bellcrank
17	1-806003	2	Pin-Hair
18	105-3486	2	Stop-Adjustment
19	3217-6	4	Nut-Hex
21	3256-22	12	Washer-Flat
22	321-4	4	Screw-HH
23	3296-42	8	Nut-Lock, NI
24	106-2179	2	Link-Brake
25	1-543017	2	Balljoint-RH

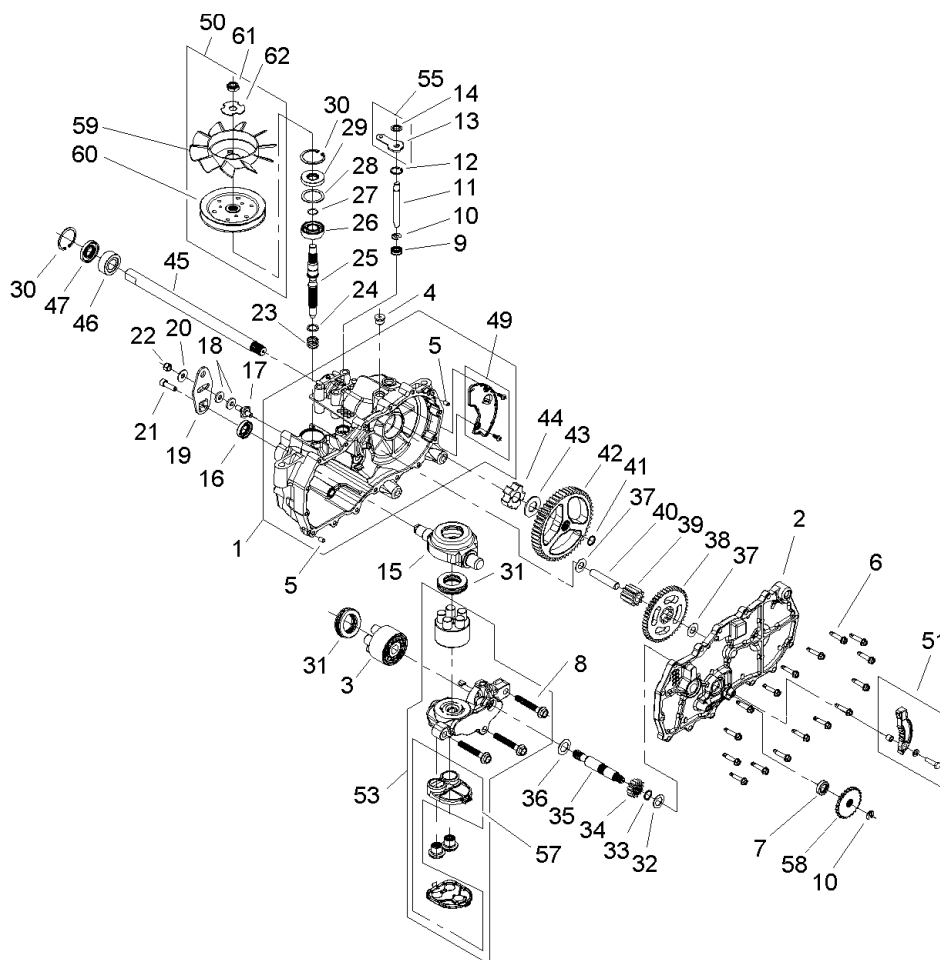
Ref	Part No.	Qty.	Description
26	105-7048	2	Rod-Hydro
27	3219-2	2	Nut-Hex
28	322-6	2	Screw-HH
29	32128-20	4	Nut-HF
30	108-6117	2	Handle ASM
30:2	108-6187	1	Grip
31	105-3469	2	Spring-Compression
32	106-2214	4	Bolt-Shoulder
33	105-3465	2	Spring-Compression
34	37-8771	4	Bolt-Shoulder
35	3296-2	2	Nut-Lock
36	3274-52	2	Screw-HSH
37	106-8742	2	Decal
38	32128-25	2	Nut-HF



Hydro and Belt Drive Assembly

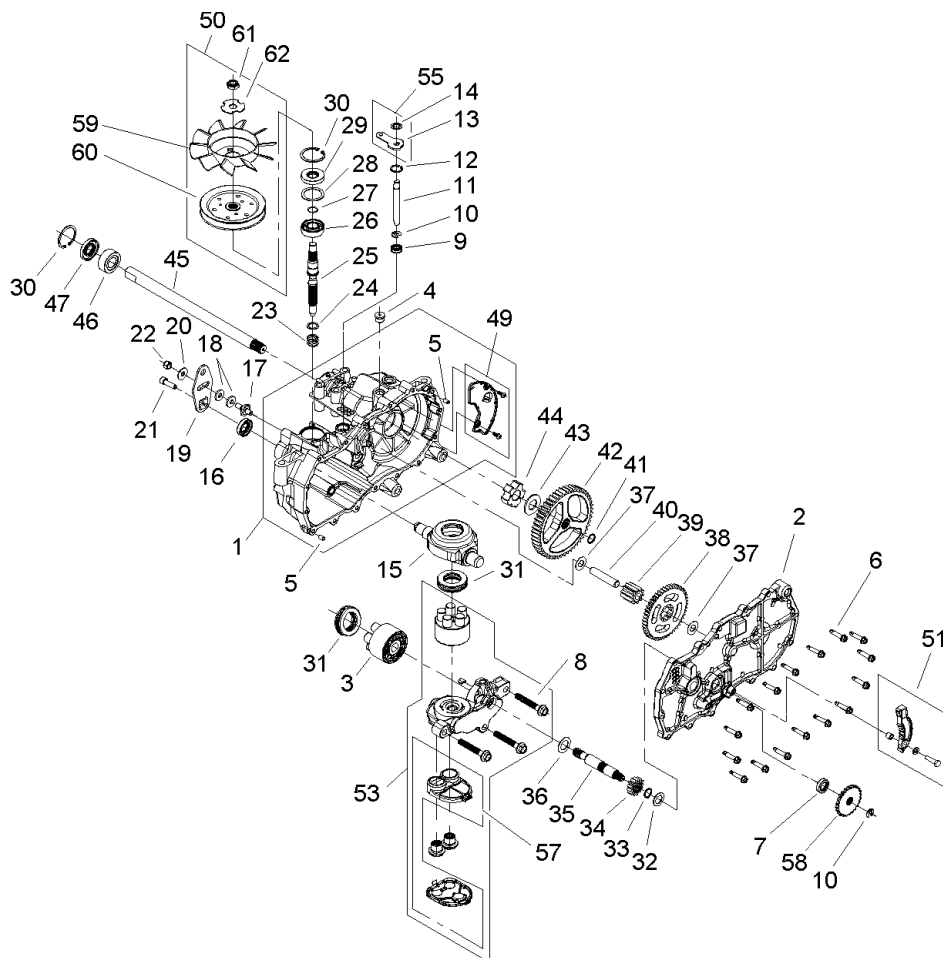
Ref	Part No.	Qty.	Description
1	108-2394	1	Transaxle-Hydro, LH
2	108-2393	1	Transaxle-Hydro, RH
3	106-2174	2	V-Belt
4	95-3805	2	Spring
5	105-3438	2	Tab-Locking
6	3234-13	2	Screw-HHF
7	105-7047	2	Arm-Idler
8	106-2176	2	Pulley-Idler
9	32128-25	1	Nut-HF
10	37-8770	2	Bolt-Shoulder
11	3256-3	2	Washer-Flat
12	107-4878-03	1	Hydro Mount ASM
13	108-6127	2	Wheel And Tire ASM
13:2	105-3496	1	Tire
13:3	232-27	1	Stem-Valve
13:99	107-2491	1	Tube-Tire
14	3256-1	2	Washer-Flat
15	3210-5	2	Screw-HH
16	322-20	4	Screw-HH
17	322-13	4	Screw-HH
18	3256-23	18	Washer-Flat
19	3296-29	18	Nut-Lock, NI
20	322-7	2	Screw-HH
21	5-4460	5	Washer-Pivot

Ref	Part No.	Qty.	Description
22	106-7001	2	Washer-Wheel
24	106-7002	2	Vent Hose ASM
24:2	93-3818	1	Fitting ASM
24:2:2	93-3816	1	O-Ring
24:7	107-1701	1	Cap Vent ASM
25	322-5	6	Screw-HH
26	322-13	2	Screw-HH
28	105-7039-03	2	Support-Hydro
30	107-4875	2	Rod-Bypass
31	1-806003	2	Pin-Hair
32	108-9533	1	Hub ASM
32:2	242-50	4	Nut-Lug
33	3217-6	2	Nut-Hex



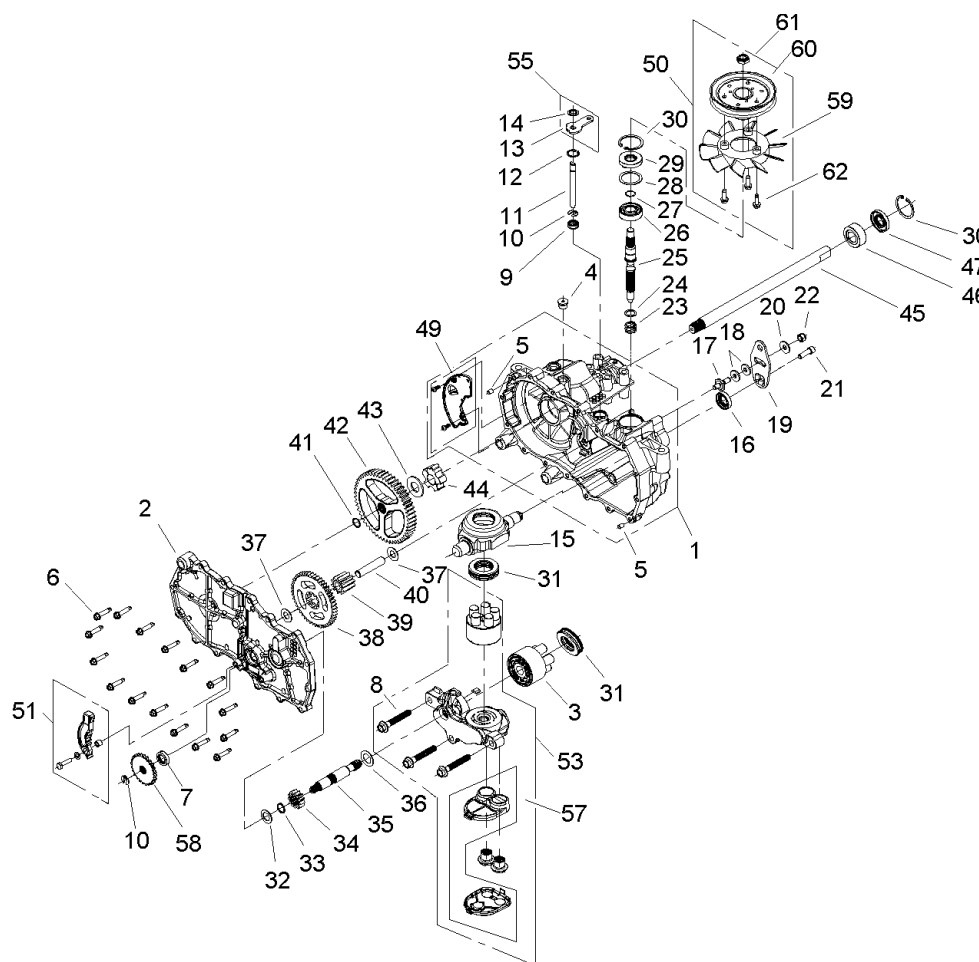
LH Hydro Transaxle Assembly No. 108-2394

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-8695	1	RH Main Housing ASM	25	104-5306	1	Shaft-Input
2	106-8696	1	RH Side ASM	26	104-5311	1	Bearing-Ball
3	104-2106	1	Cylinder Block ASM	27	104-5307	1	Ring-Retaining
4	104-2189	1	Plug-Thread, Straight	28	104-5308	1	Spacer
5	104-2170	2	Pin	29	104-5310	1	Seal-Lip
6	104-5305	16	Screw-HHF	30	104-5309	2	Ring-Retaining
7	104-5347	1	Seal-Oil	31	94-6922	2	Bearing-Thrust
8	94-6926	3	Bolt	32	104-5339	1	Washer-Flat
9	106-8676	1	Seal-Lip	33	104-5340	1	Ring-Retaining
10	106-8677	2	Ring-Retaining, EXT	34	104-5316	1	Gear-Pinion, 13T
11	106-8678	1	Rod-Bypass	35	106-8683	1	Shaft-Motor
12	106-8679	1	Ring-Retaining, Int	36	104-5360	1	Washer-Shaft, Motor
13	107-2490	1	Arm-Bypass	37	94-1933	2	Washer
14	106-8681	1	Ring-Retaining, EXT	38	104-5317	1	Gear
15	104-5304	1	Swashplate-Trunnion	39	104-5318	1	Gear-Jackshaft, 10T
16	104-5313	1	Seal-Lip	40	104-5329	1	Pin-Jackshaft
17	104-2116	1	Stud	41	104-5328	1	Ring-Retaining, Spiral
18	105-1873	2	Puck-Friction	42	106-8684	1	Gear-Bull, 52T
19	106-8747	1	Arm-Control	43	94-1943	1	Washer
20	5-4460	1	Washer-Pivot	44	104-5320	1	Bearing-Sleeve
21	107-2488	1	Screw	45	106-8685	1	Axle
22	105-1872	1	Nut	46	104-5321	1	Bearing-Sleeve, Outboard
23	94-1936	1	Spring-Block	47	104-5322	1	Seal-Lip
24	94-1937	1	Washer-Block, Thrust	48	106-8686	1	Seal Kit



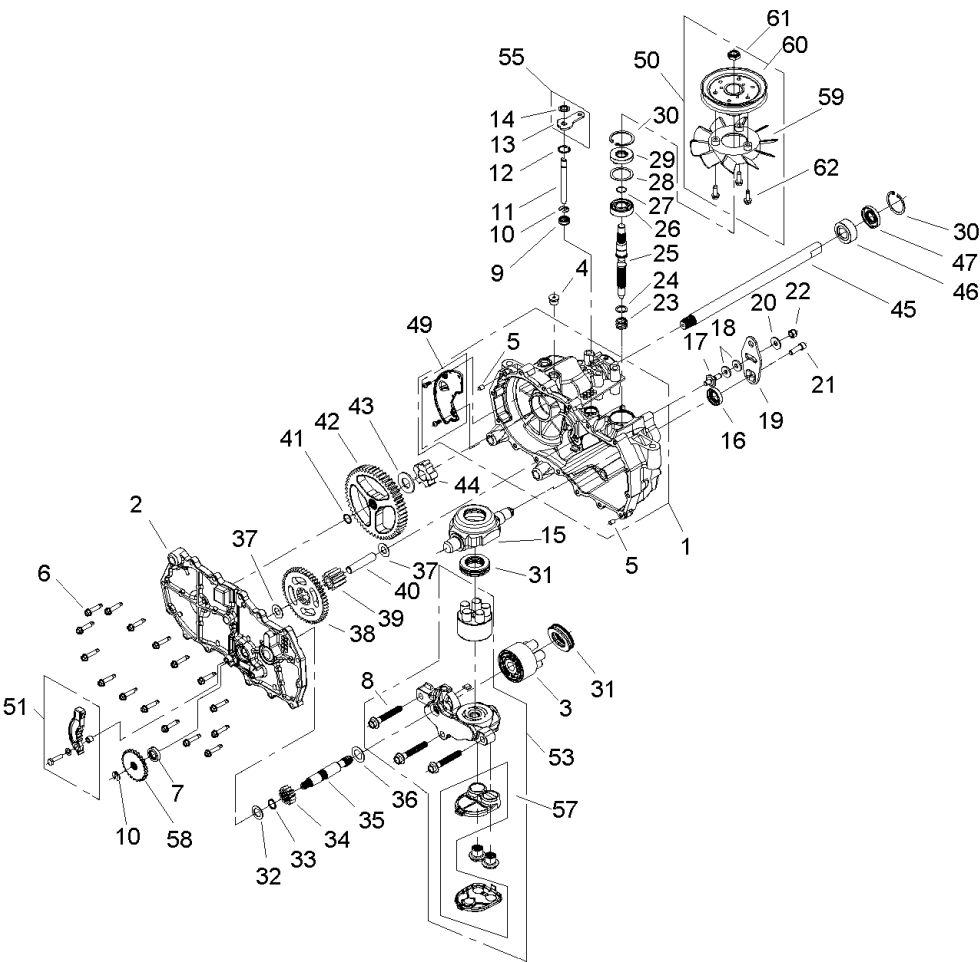
LH Hydro Transaxle Assembly No. 108-2394 (continued)

Ref	Part No.	Qty.	Description				
49	106-8697	1	RH Expansion Plate Kit				
50	106-8698	1	Fan Pulley Kit				
51	106-8688	1	Brake Arm Kit				
53	108-6190	1	RH 7-Piston Center Section Kit				
54	104-2147	1	Sealant				
55	107-2489	1	Bypass Arm Kit				
57	106-8693	1	Filter Kit				
58	106-8694	1	Disc-Brake, Cog				
59	110-8566	1	Fan-6 Inch, 10 Blade				
60	104-1754	1	Pulley				
61	105-1875	1	Nut-Lock				
62	107-9122	3	Washer-Slotted				



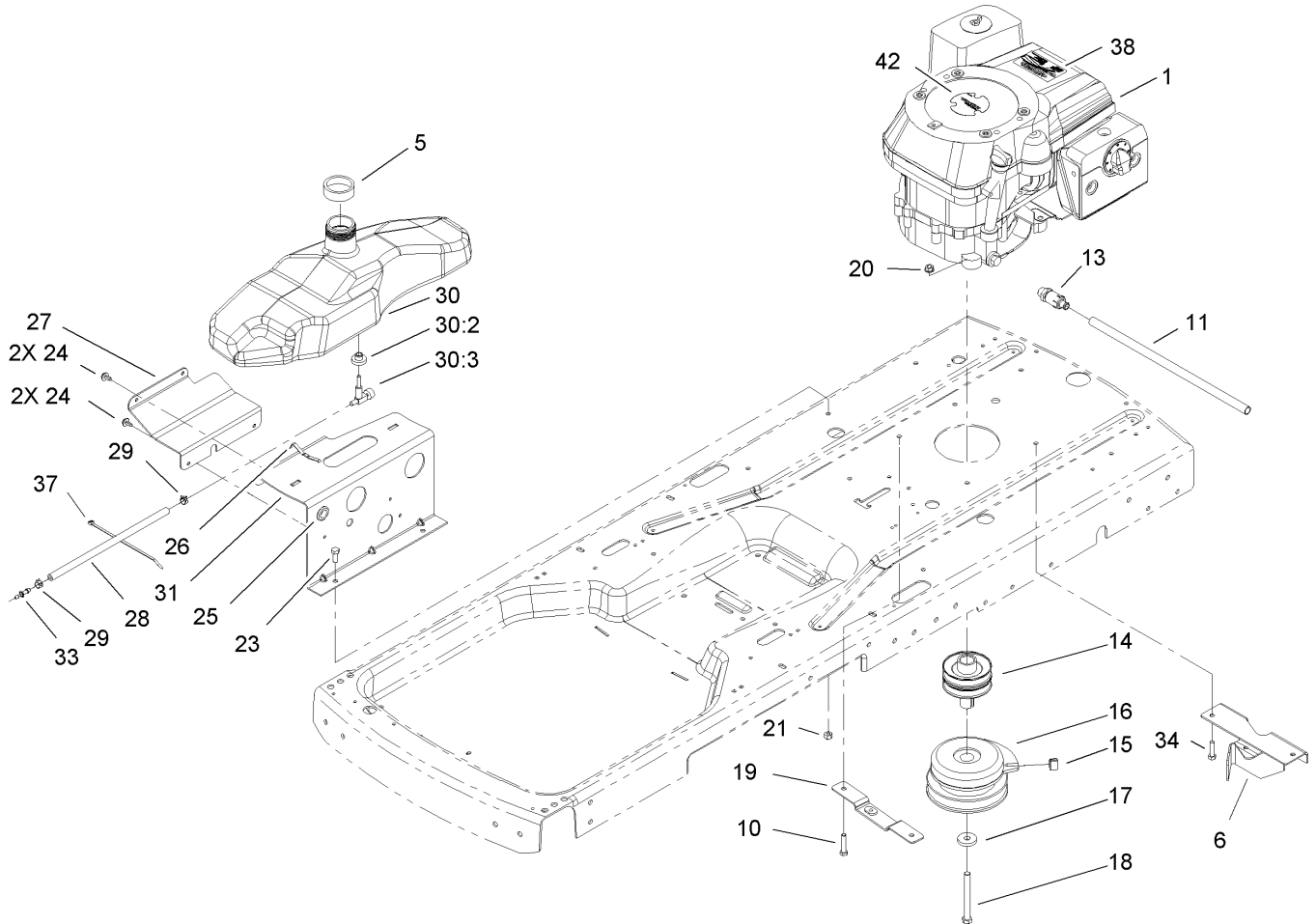
RH Hydro Transaxle Assembly No. 108-2393

Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	106-8674	1	LH Main Housing ASM	25	104-5306	1	Shaft-Input
2	106-8675	1	LH Side ASM	26	104-5311	1	Bearing-Ball
3	104-2106	1	Cylinder Block ASM	27	104-5307	1	Ring-Retaining
4	104-2189	1	Plug-Thread, Straight	28	104-5308	1	Spacer
5	104-2170	2	Pin	29	104-5310	1	Seal-Lip
6	104-5305	16	Screw-HHF	30	104-5309	2	Ring-Retaining
7	104-5347	1	Seal-Oil	31	94-6922	2	Bearing-Thrust
8	94-6926	3	Bolt	32	104-5339	1	Washer-Flat
9	106-8676	1	Seal-Lip	33	104-5340	1	Ring-Retaining
10	106-8677	2	Ring-Retaining, EXT	34	104-5316	1	Gear-Pinion, 13T
11	106-8678	1	Rod-Bypass	35	106-8683	1	Shaft-Motor
12	106-8679	1	Ring-Retaining, Int	36	104-5360	1	Washer-Shaft, Motor
13	107-2490	1	Arm-Bypass	37	94-1933	2	Washer
14	106-8681	1	Ring-Retaining, EXT	38	104-5317	1	Gear
15	104-5304	1	Swashplate-Trunnion	39	104-5318	1	Gear-Jackshaft, 10T
16	104-5313	1	Seal-Lip	40	104-5329	1	Pin-Jackshaft
17	104-2116	1	Stud	41	104-5328	1	Ring-Retaining, Spiral
18	105-1873	2	Puck-Friction	42	106-8684	1	Gear-Bull, 52T
19	106-8747	1	Arm-Control	43	94-1943	1	Washer
20	5-4460	1	Washer-Pivot	44	104-5320	1	Bearing-Sleeve
21	107-2488	1	Screw	45	106-8685	1	Axle
22	105-1872	1	Nut	46	104-5321	1	Bearing-Sleeve, Outboard
23	94-1936	1	Spring-Block	47	104-5322	1	Seal-Lip
24	94-1937	1	Washer-Block, Thrust	48	106-8686	1	Seal Kit



RH Hydro Transaxle Assembly No. 108-2393 (continued)

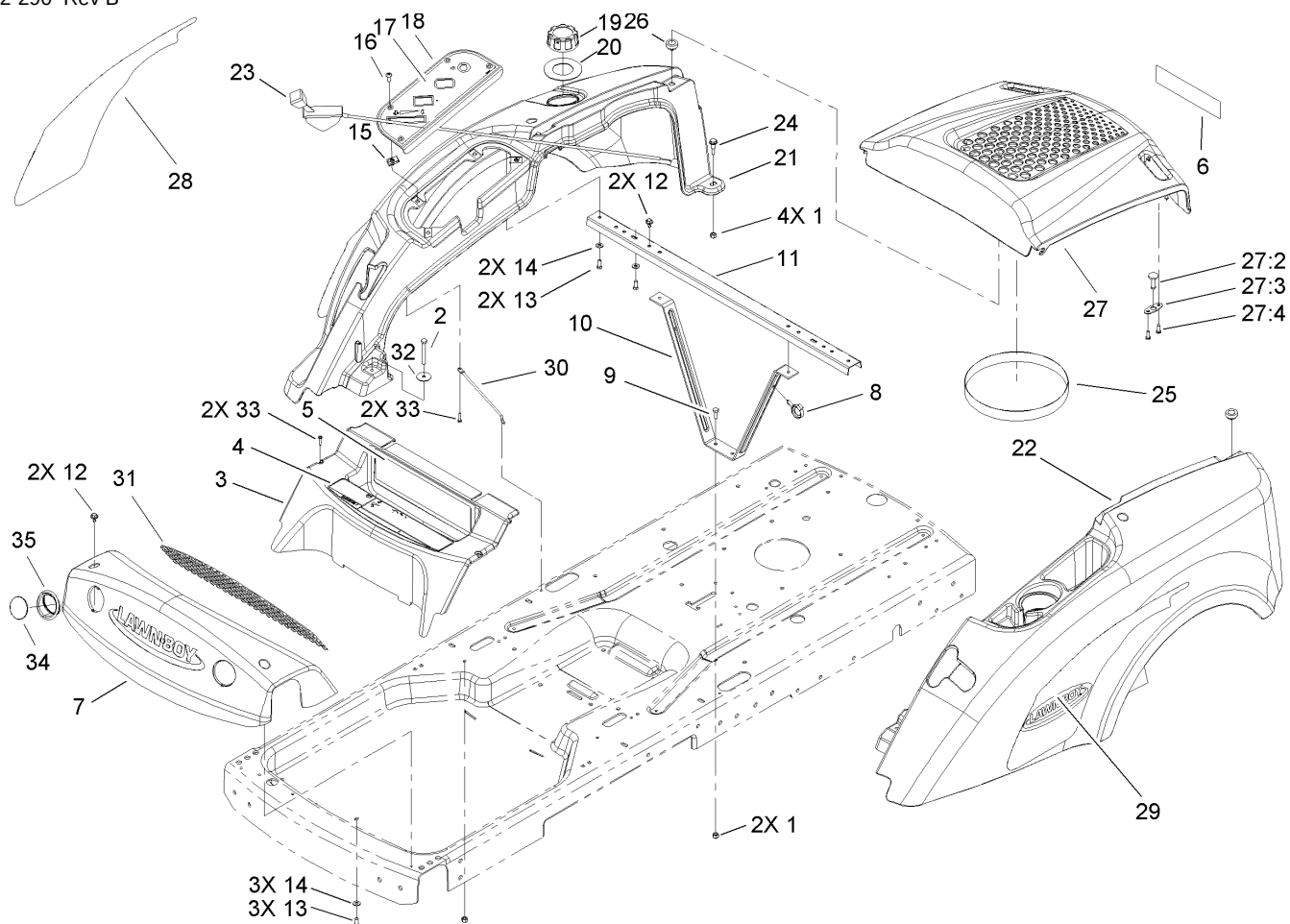
Ref	Part No.	Qty.	Description				
49	106-8687	1	LH Expansion Plate Kit				
50	105-1928	1	Fan Pulley Kit				
51	106-8688	1	Brake Arm Kit				
53	108-6189	1	LH 7-Piston Center Section Kit				
❶54	104-2147	1	Sealant				
55	107-2489	1	Bypass Arm Kit				
57	106-8693	1	Filter Kit				
58	106-8694	1	Disc-Brake, Cog				
59	105-1927	1	Fan				
60	105-1896	1	Pulley				
61	105-1875	1	Nut-Lock				
62	104-2120	3	Screw				



Engine Assembly

Ref	Part No.	Qty.	Description
1		1	Engine-Honda, Gxv 390A1 Detr
5	55-9310	1	Seal-Foam
6	107-4873	1	Bracket-Pivot
10	322-7	2	Screw-HH
11	106-7022	1	Tube-Drain, Oil
13	92-6877	1	Valve-Drain, Oil
14	105-3472	1	Pulley-Engine
15	98-5023	1	Bumper
16	105-3462	1	Clutch-Electric
17	112843	1	Washer
18	3212-16	1	Screw-HH
19	106-2156	1	Plate-Mount, Idler
20	32128-25	2	Nut-HF
21	3296-29	2	Nut-Lock, NI
23	322-4	2	Screw-HH
24	46-8560	4	Screw-HHF
25	237-124	1	Grommet
26	609830	2	Spring
27	108-2315-03	1	Plate-Support
28	94-1349	1	Hose-Fuel
29	2412-98	2	Clamp
30	107-9172	1	Fuel Tank ASM
30:2	46-6560	1	Bushing
30:3	104048	1	Valve-Fuel

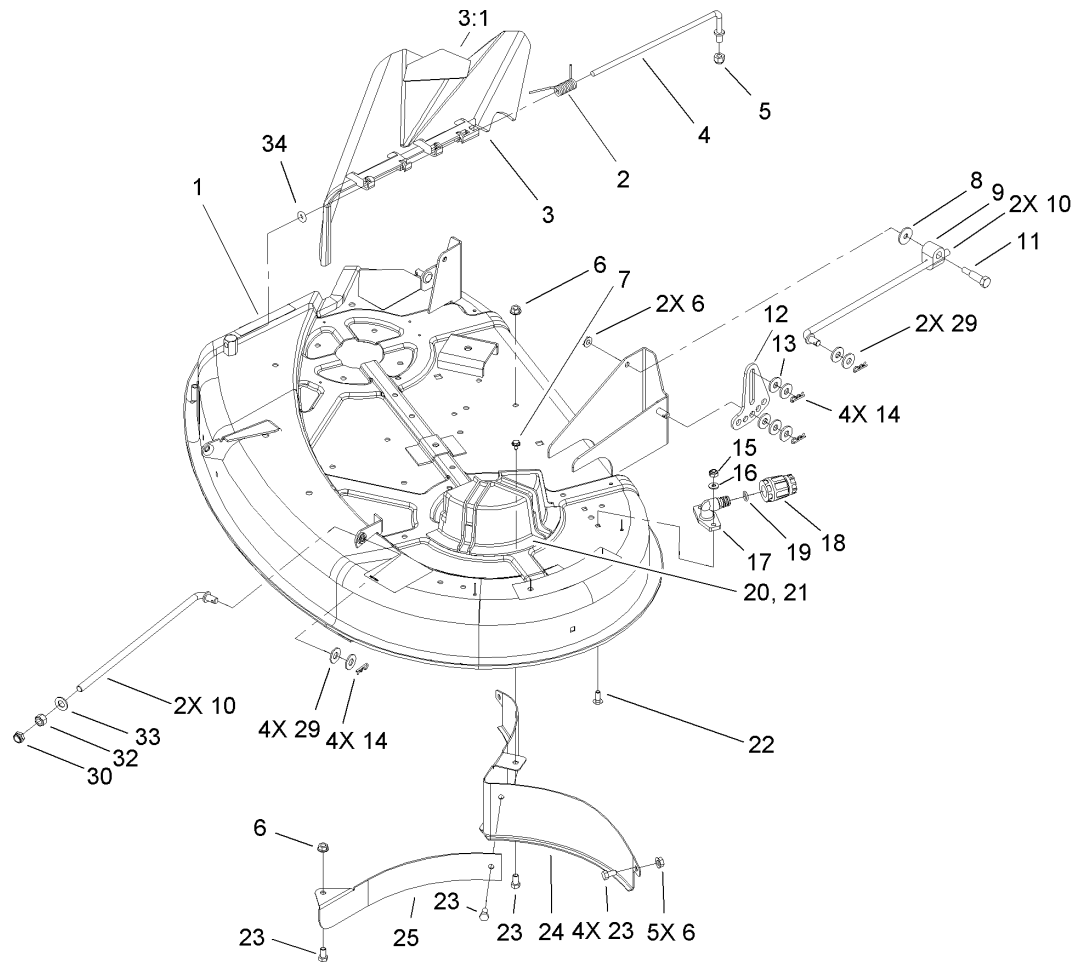
Ref	Part No.	Qty.	Description
31	108-2314-03	1	Plate-Tank
33	106-8150	1	Fitting-Straight
34	33114-030	2	Screw-HH
37	250-4	1	Tie-Cable
38	108-8530	1	Decal-Engine
42	108-8566	1	Decal



Styling Assembly

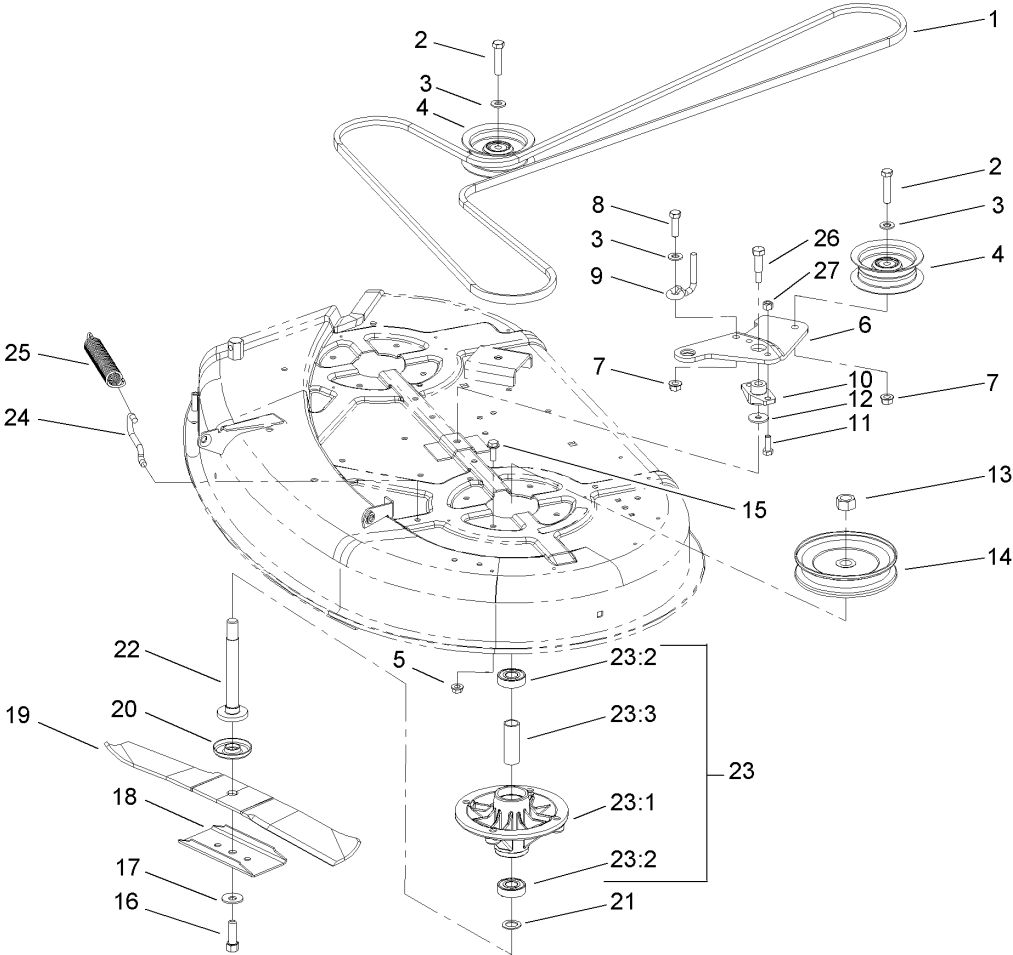
Ref	Part No.	Qty.	Description
1	3296-42	6	Nut-Lock, NI
2	321-18	2	Screw-HH
3	108-2316	1	Panel-Kick
4	108-9575	1	Decal-Danger
5	108-6144	1	Decal
6	108-6141	1	Decal
7	108-2328	1	Footrest
8	105-1853	2	Clamp-Hose
9	321-4	2	Screw-HH
10	107-9173-03	1	Brace-Support
11	108-2313-03	1	Channel-Cross
12	46-8560	4	Screw-HHF
13	46-8090	5	Screw-Plastite
14	3256-22	5	Washer-Flat
15	107069	4	Clip
16	3258-166	4	Screw-PRH
17	108-2364	1	Decal
18	107-9174-03	1	Panel-Control
19	93-7198	1	Gas Cap ASM
20	108-6150	1	Washer-Seal, Rubber
21	107-9168	1	Cover-Side, RH
22	107-9169	1	Cover-Side, LH
23	108-9568	1	Cable-Throttle
24	108-6182	2	Screw-Shoulder

Ref	Part No.	Qty.	Description
25	108-6181	1	Extender-Plenum
26	108-2305	2	Grommet
27	108-2334	1	Hood Cover ASM
27:2	107-9198	2	Pin-Hood
27:3	107-9199	2	Plate
27:4	94-6961	4	Screw
28	108-6142	1	Decal
29	108-6143	1	Decal
30	108-2391	2	Rod-Support
31	108-6162	1	Footmat-Footrest
32	3256-58	2	Washer-Flat
33	94-4496	4	Screw-PPH
34	108-7121	2	Disk-Reflector
35	107-9178	2	Bezel-Rubber



38in Deck Assembly

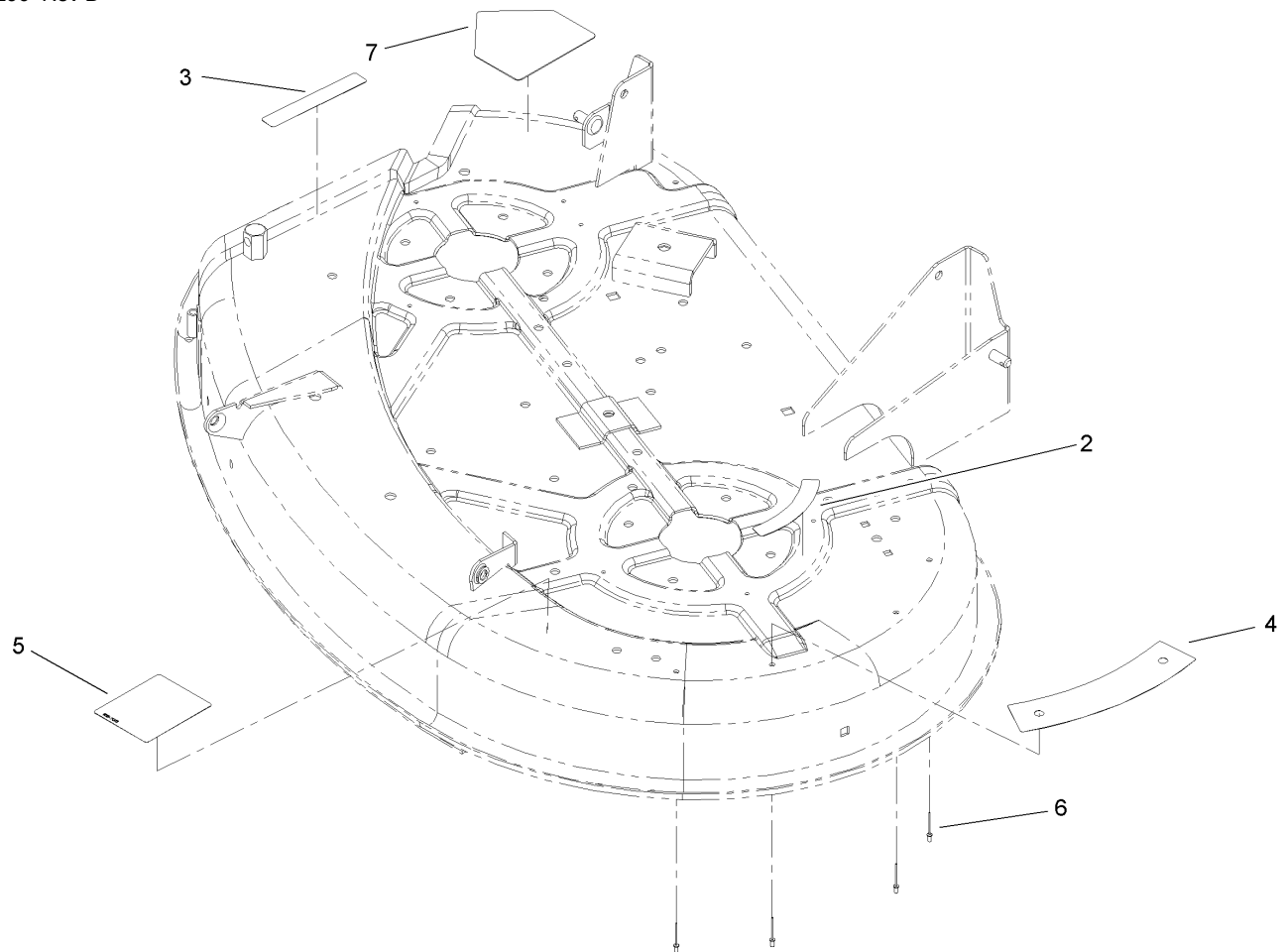
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
1	107-9138	1	Deck ASM	24	106-7030-03	1	Baffle-Rear
2	57-6950	1	Spring	25	106-7032-03	1	Extension-Baffle
3	93-0317	1	Deflector ASM	29	3256-4	8	Washer-Flat
3:1	93-1122	1	Decal-Danger	30	3296-38	2	Nut-Lock, NI
4	95-1661	1	Rod-Pivot	32	3219-4	2	Nut-Hex
5	3296-39	1	Nut-Lock, NI	33	3256-25	2	Washer-Flat
6	32128-25	9	Nut-HF	34	106-8745	1	O-Ring
7	32104-76	5	Screw				
8	5-4460	2	Washer-Pivot				
9	88-4230	2	Trunnion-HOC				
10	105-3437	4	Rod-Hanger				
11	7-0030	2	Bolt-Shoulder				
12	88-5570-03	2	Link-Adjusting, HOC				
13	80-6990	10	Washer-Hardened				
14	9335054	8	Pin-Hair				
15	3296-16	2	Nut-Lock, NI				
16	3256-1	2	Washer-Flat				
17	95-2747	1	Fitting-Washout				
18	95-3270	1	Connector-Hose				
19	46-6290	1	O-Ring				
20	88-4030	1	Guide-Belt, Deck (LH)				
21	88-4020	1	Guide-Belt, Deck (RH)				
22	3229-1	2	Screw-CARR				
23	322-2	7	Screw-HH				



38in Deck Spindle and Belt Drive Assembly

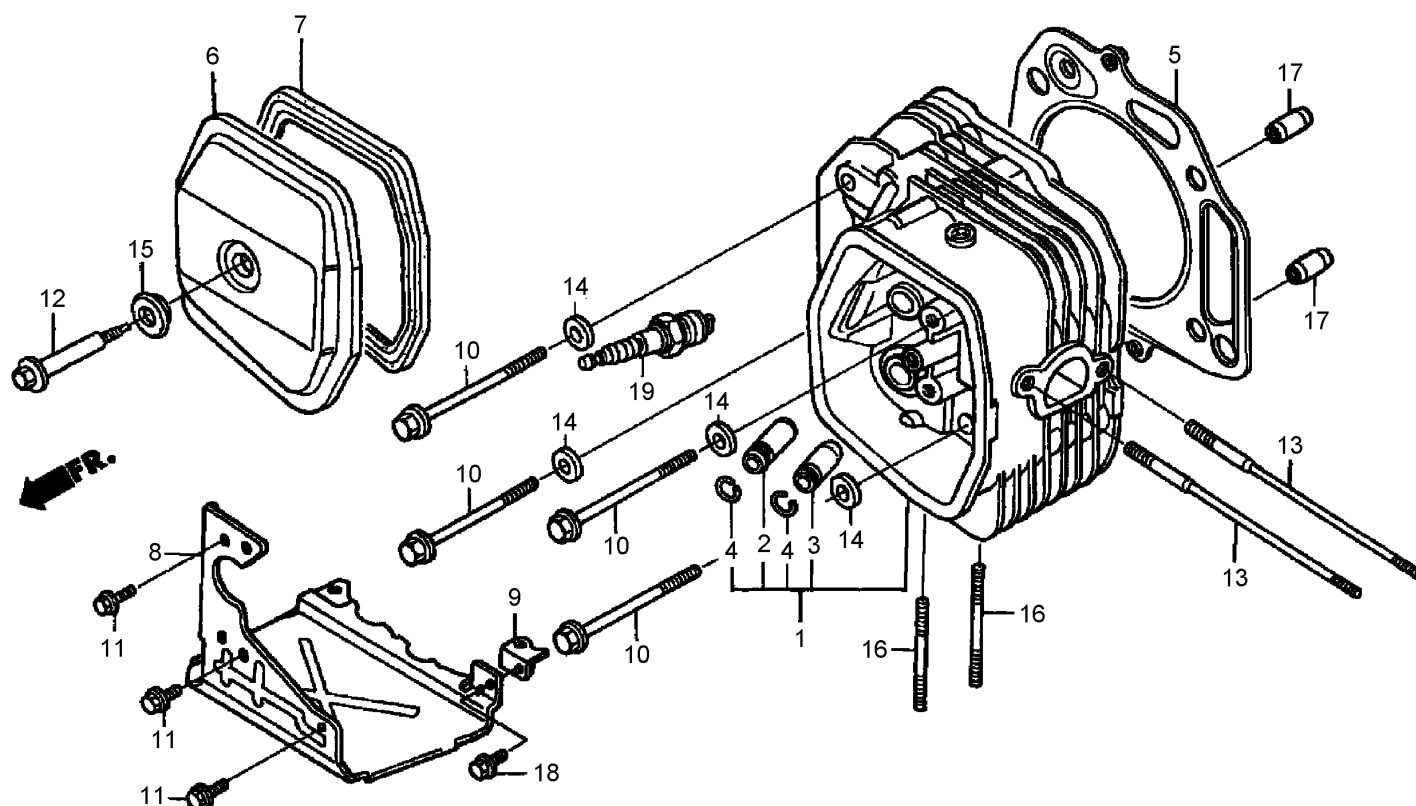
Ref	Part No.	Qty.	Description
1	106-2173	1	Belt-V
2	323-9	2	Screw-HH
3	3256-24	3	Washer-Flat
4	106-2175	2	Pulley-Idler, Flat
5	32128-25	1	Nut-HF
6	107-2467-03	1	Arm-Idler
7	32128-21	2	Nut-HF
8	323-7	1	Screw-HH
9	107-7307	1	Guide-Idler, Belt
10	88-4980	1	Bushing-Arm, Idler
11	322-4	2	Screw-HH
12	5-4460	1	Washer-Pivot
13	3219-6	2	Nut-Hex
14	88-5330	2	Pully-Deck
15	32144-41	8	Screw-Taptite
16	26-0671	2	Screw-Blade
17	3290-465	2	Washer-Belleville
18	80-0510-03	2	Stiffener-Blade
19	88-5140-03	2	Blade
20	80-4360	2	Shield-Bearing
21	80-4380	2	Spacer
22	80-4341	2	Shaft
23		2	Spindle ASM
23:1	88-4510	1	Housing-Spindle

Ref	Part No.	Qty.	Description
23:2	100-1048	2	Bearing-Ball
23:3	62-3661	1	Spacer-Bearing
24	88-5970	1	Hook-Return, Spring
25	106-2177	1	Spring-Extension
26	7-0030	1	Bolt-Shoulder
27	3296-29	2	Nut-Lock, NI



38in Deck Decal Assembly

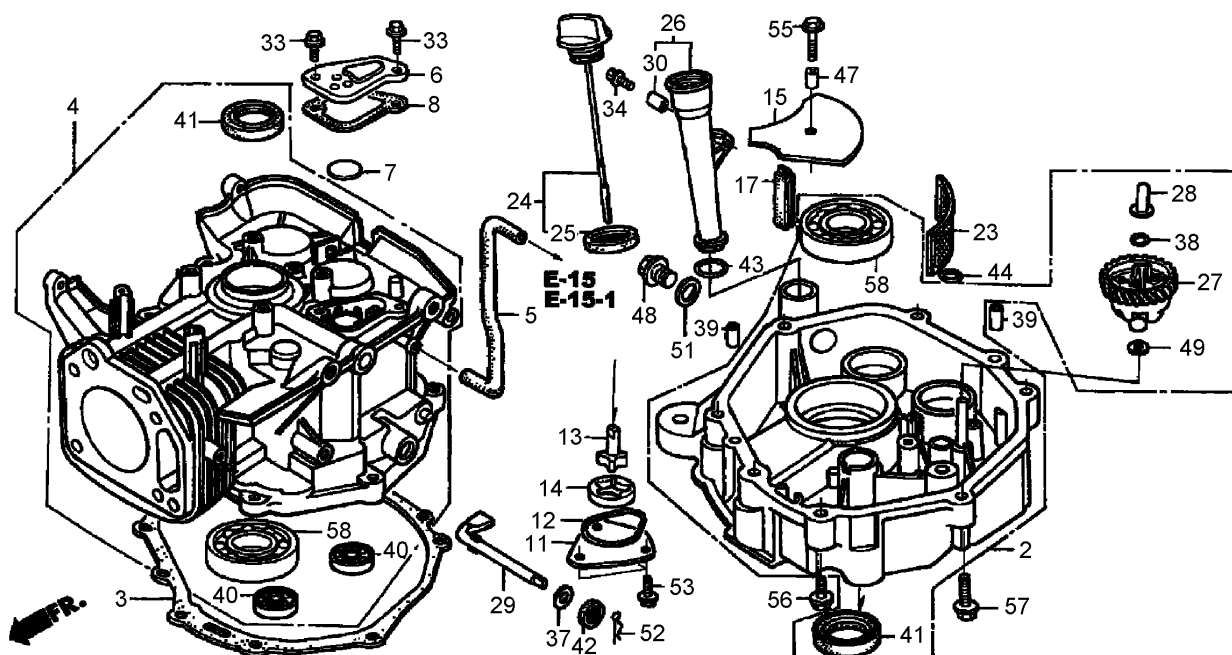
Ref	Part No.	Qty.	Description				
2	68-3660	1	Decal-Danger, Shield				
3	68-3650	1	Decal-Danger, Deflector				
4	79-3140	1	Decal-Danger				
5	105-7015	1	Decal-Routing, Belt				
6	3290-282	4	Rivet-Pop				
7	93-1122	1	Decal-Danger				



Cylinder Head Assembly Honda GXV390A1 DETR

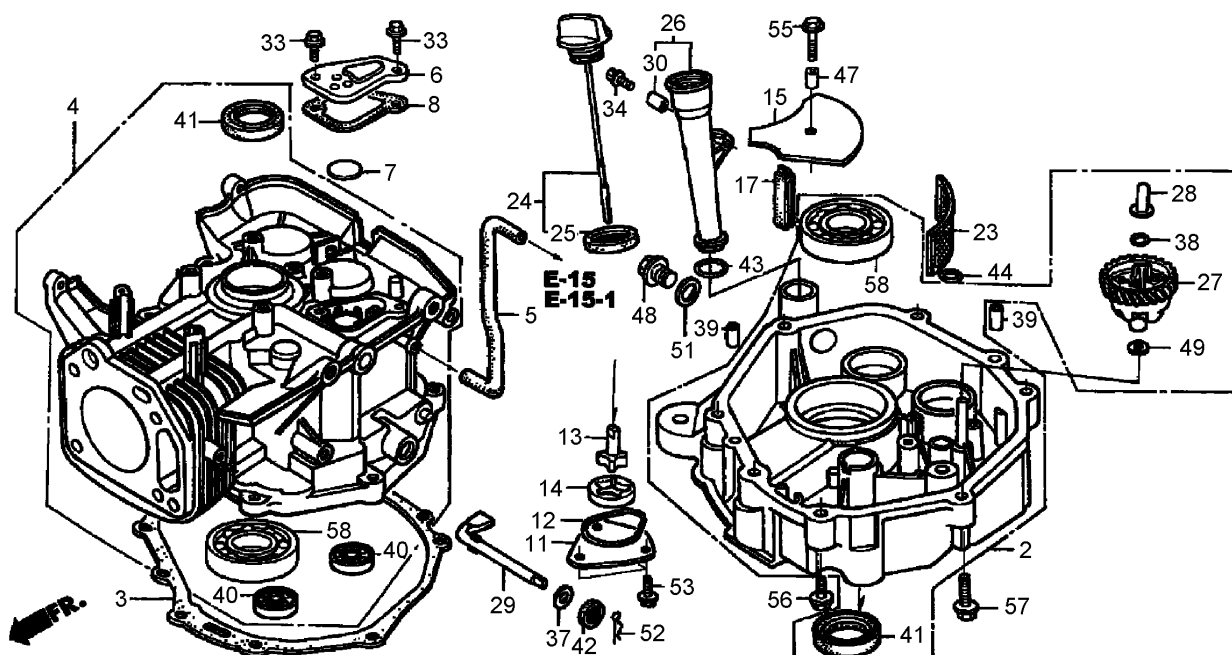
Ref	Part No.	Qty.	Description
❶	12200-Z1E-405	1	Head-Cylinder
❷	12204-ZE2-306	1	Guide-Valve
❸	12205-ZE2-305	1	Guide-Valve, Exhaust
❹	12216-ZE2-300	2	Clip-Guide, Valve
❺	12251-ZF5-H03	1	Gasket-Head, Cylinder
❻	12310-ZE8-000	1	Cover-Head
❼	12391-ZE8-000	1	Gasket-Head Cover, Cylinder
❽	18345-ZF5-020	1	Cover (Lower)
❾	18347-ZE8-000	1	Stay-Cover (Lower)
❿	90003-Z1E-000	4	Bolt-Flange (10X85)
⓫	90013-883-000	3	Bolt-Flange (6X12) (C T200)
⓬	90014-ZE8-000	1	Bolt-Cover, Head
⓭	90042-ZE8-000	2	Bolt-Stud

Ref	Part No.	Qty.	Description
❿	90401-437-000	4	Washer-Plain (10Mm)
⓮	90441-ZE2-010	1	Washer-Head Cover
⓯	92900-08032-0B	2	Bolt-Stud (8X32)
⓰	94301-12200	2	Pin A-Dowel
⓱	95701-06012-00	1	Bolt-Flange (6X12)
⓲	98079-55846	1	Spark Plug (B P R 5E S) (N G K)



Cylinder Barrel and Oil Pan Assembly Honda GXV390A1 DETR

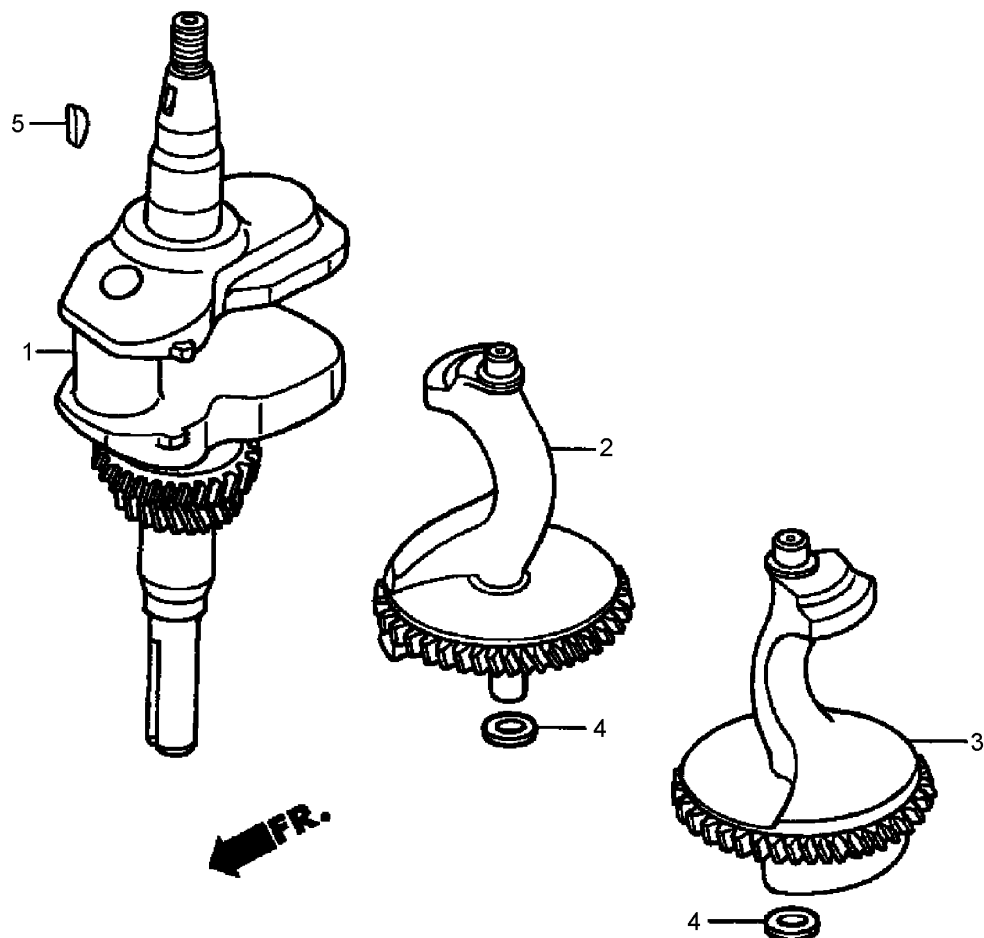
Ref	Part No.	Qty.	Description	Ref	Part No.	Qty.	Description
❶2	11300-Z1E-407	1	Oil Pan ASM	❶23	15421-ZE9-003	1	Screen-Filter, Oil
❶3	11381-ZE9-801	1	Gasket-Pan , Oil	❶24	15600-ZF5-000	1	Oil Filler Cap ASM
❶4	12000-Z1E-405	1	Cylinder ASM	❶25	15625-ZE8-000	1	Gasket-Cap, Oil Filler
❶5	12315-ZF5-000	1	Tube-Breather	❶26	15630-ZE8-000	1	Extension-Filler, Oil
❶6	12370-ZF5-000	1	Cap-Chamber, Breather	❶27	16510-ZE3-000	1	Governor ASM
❶7	12372-ZE2-300	1	Valve- Breather	❶28	16531-Z0A-000	1	Slider-Governor
❶8	12373-ZE8-000	1	Gasket-Cap, Breather	❶29	16541-ZE8-010	1	Shaft-Arm, Governor
❶11	15130-ZE8-000	1	Cover-Pump, Oil	❶30	17240-ZE6-000	1	Collar-Extension
❶12	15131-ZE9-003	1	O-Ring (Pump Cover)	❶33	90013-883-000	2	Bolt-Flange (6X12) (C T200)
❶13	15330-ZE8-000	1	Rotor (Inner)	❶34	90014-ZE6-000	1	Bolt- Flange (6X35)
❶14	15332-891-003	1	Rotor-Pump, Oil (Outer)	❶37	90406-VM6-000	1	Washer-Thrust (8.1Mm)
❶15	15334-ZE8-010	1	Plate-Filter, Oil	❶38	90602-ZE1-000	1	Clip-Holder, Governor
❶17	15335-ZE9-000	1	Rubber-Return, Oil	❶39	90701-HC4-000	2	Pin-Dowel



Cylinder Barrel and Oil Pan Assembly Honda GXV390A1 DETR (continued)

Ref	Part No.	Qty.	Description
●40	91001-ZF5-003	2	Bearing-Ball, Radial (6202)
●41	91201-Z1C-003	2	Seal-Oil (35X52X8)
●42	91201-ZE9-003	1	Seal-Oil
●42	91203-952-771	1	Seal-Oil
●43	91301-ZE9-003	1	O-Ring (22.5X2.2)
●44	91320-MJ6-003	1	O-Ring (11.8X2.4)
●47	91501-ZF5-000	1	Collar-Setting, Oil Filter
●48	92800-20000	1	Bolt-Plug, Drain (20Mm)
●49	94101-06800	1	Washer-Plain (6Mm)
●51	94109-20000	1	Washer-Plug, Drain (20Mm)
●52	94251-10000	1	Pin-Lock
●53	95701-06012-00	3	Bolt-Flange (6X12)
●55	95701-06025-00	1	Bolt-Flange (6X25)
●56	95701-08040-08	6	Bolt-Flange (8X40)
●57	95701-08060-08	1	Bolt-Flange (8X60)

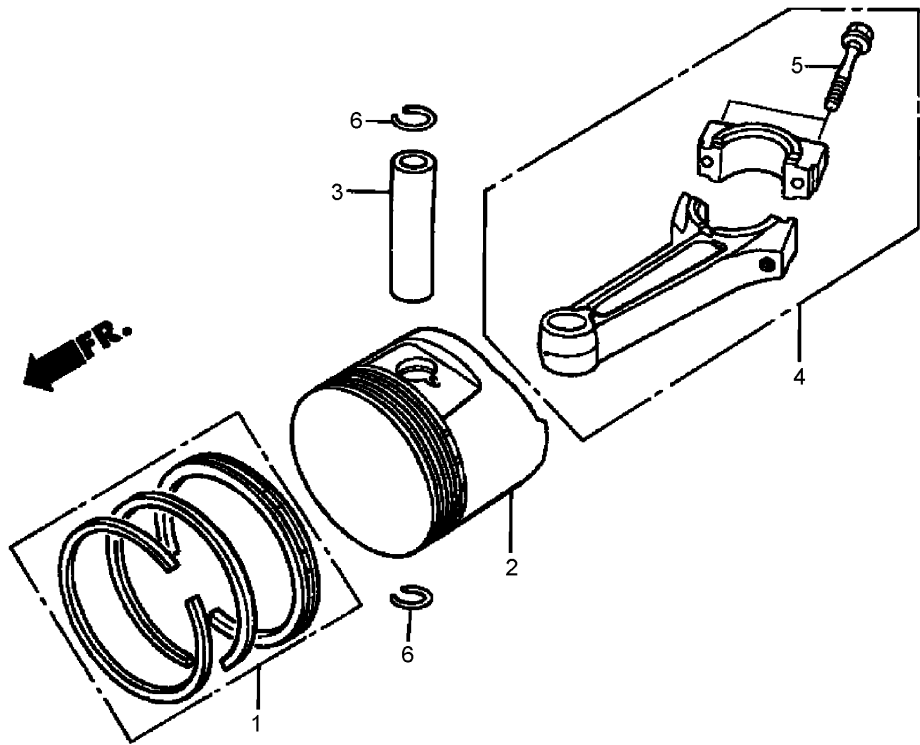
Ref	Part No.	Qty.	Description
●58	96100-62070-00	2	Bearing-Ball, Radial
●58	96100-62073-00	2	Bearing-Ball, Radial (6207)



Crankshaft Assembly

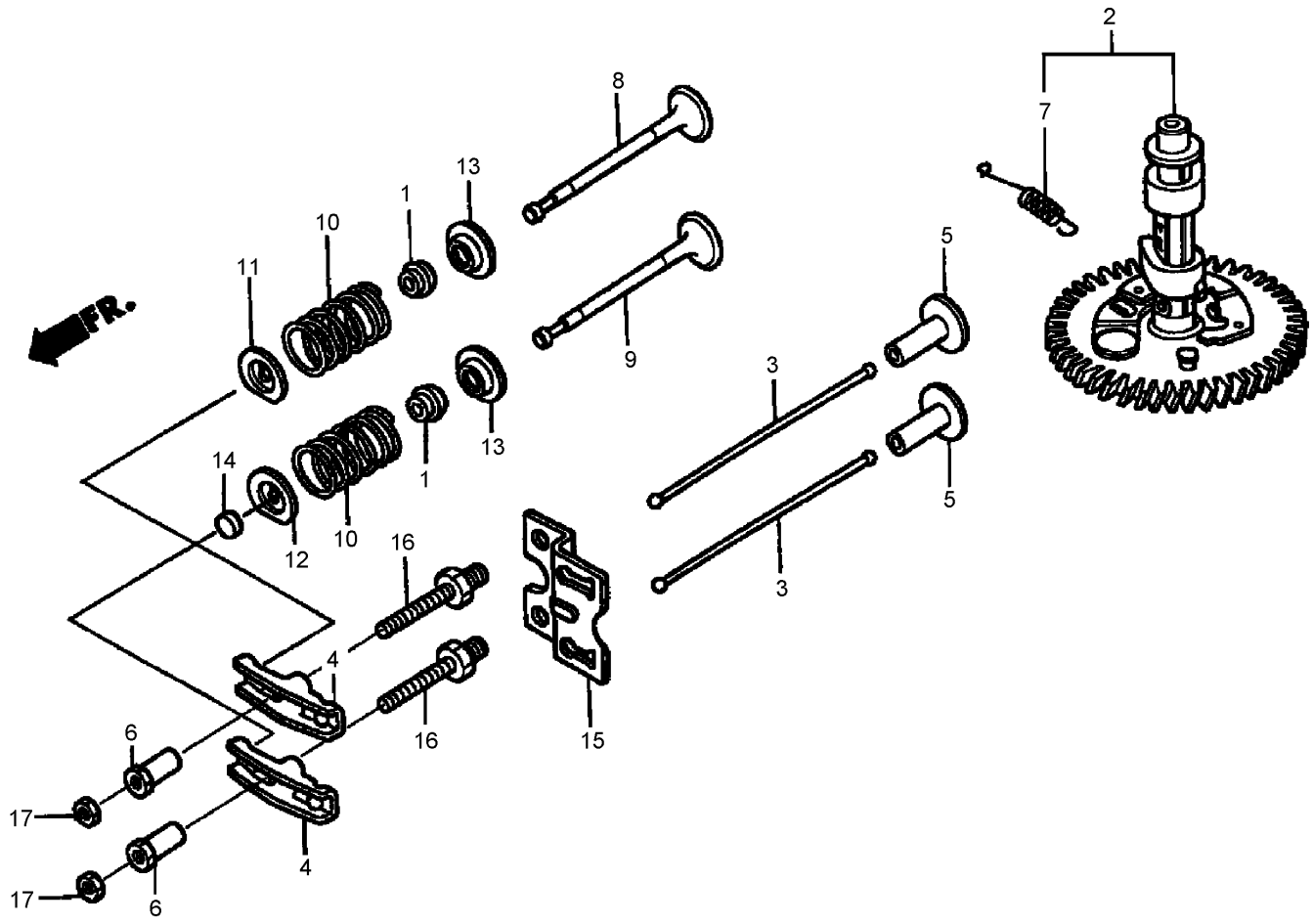
Honda GXV390A1 DETR

Ref	Part No.	Qty.	Description				
❸1	13310-Z1E-000	1	Crankshaft				
❸2	13351-ZF5-030	1	Balancer-Weight A				
❸3	13356-ZF5-040	1	Balancer-Weight B				
❸4	90417-HA0-000	2	Washer-Thrust (14Mm)				
❸5	90741-ZE2-000	1	Key-Woodruff, Special (25X18)				



Piston Assembly
Honda GXV390A1 DETR

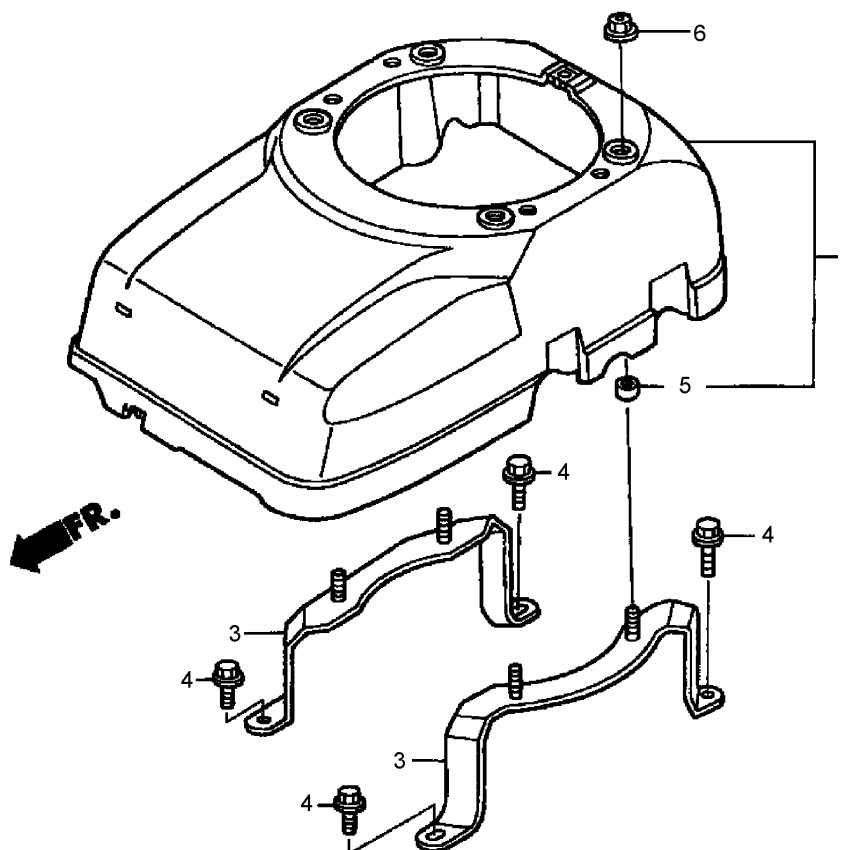
Ref	Part No.	Qty.	Description				
❶1	13010-Z1C-800	1	Ring Set-Piston (STD)				
❶1	13011-Z1C-800	1	Ring Set-Piston (Os 0.25)				
❶1	13012-Z1C-800	1	Ring Set-Piston (Os 0.50)				
❶1	13013-Z1C-800	1	Ring Set-Piston (0.75)				
❷2	13101-ZF6-W00	1	Piston (STD)				
❷2	13102-ZF6-W00	1	Piston (Os 0.25)				
❷2	13103-ZF6-W00	1	Piston (Os 0.50)				
❷2	13104-ZF6-W00	1	Piston (0.75)				
❸3	13111-ZF6-000	1	Pin-Piston				
❹4	13200-Z1E-000	1	Connecting Rod ASM				
❹4	13200-Z1E-305	1	Connecting Rod ASM (0.25 Lower Size)				
❺5	90001-ZE8-000	2	Bolt-Rod, Connecting				
❻6	90601-ZE3-000	2	Clip-Pin, Piston (20Mm)				



Camshaft Assembly Honda GXV390A1 DETR

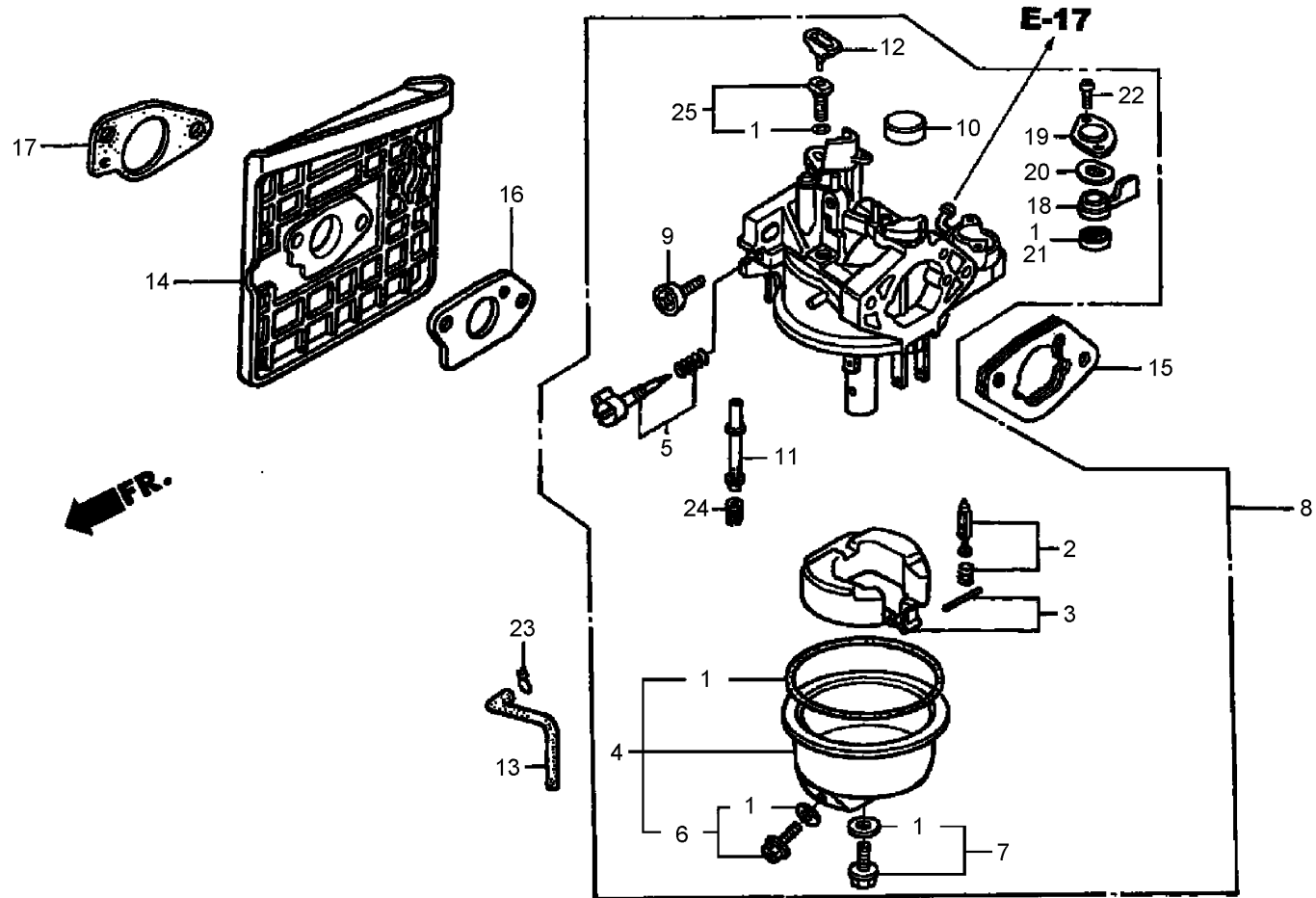
Ref	Part No.	Qty.	Description
❶1	12209-ZE8-003	2	Seal-Stem, Valve
❶2	14100-ZF5-020	1	Camshaft ASM
❶3	14410-Z1C-000	2	Rod-Push
❶4	14431-ZE2-010	2	Arm-Rocker, Valve
❶5	14441-ZE2-000	2	Lifter-Valve
❶6	14451-ZE1-013	2	Pivot-Arm, Rocker
❶7	14568-ZE1-000	1	Spring-Return, Weight
❶8	14711-ZE3-000	1	Valve-Intake
❶9	14721-ZE3-000	1	Valve-Exhaust
❶10	14751-Z1C-000	2	Spring-Valve
❶11	14771-ZE2-000	1	Retainer-Valve, Intake
❶12	14773-ZE2-000	1	Retainer-Valve, Exhaust
❶13	14775-ZE2-010	2	Seat-Spring, Valve

Ref	Part No.	Qty.	Description
❶14	14781-ZE2-000	1	Rotator-Valve
❶15	14791-ZE9-010	1	Guide-Rod, Push
❶16	90012-ZE0-010	2	Bolt-Pivot (8 Mm)
❶17	90206-ZE1-000	2	Nut-Adjusting, Pivot



Fan Cover Assembly Honda GXV390A1 DETR

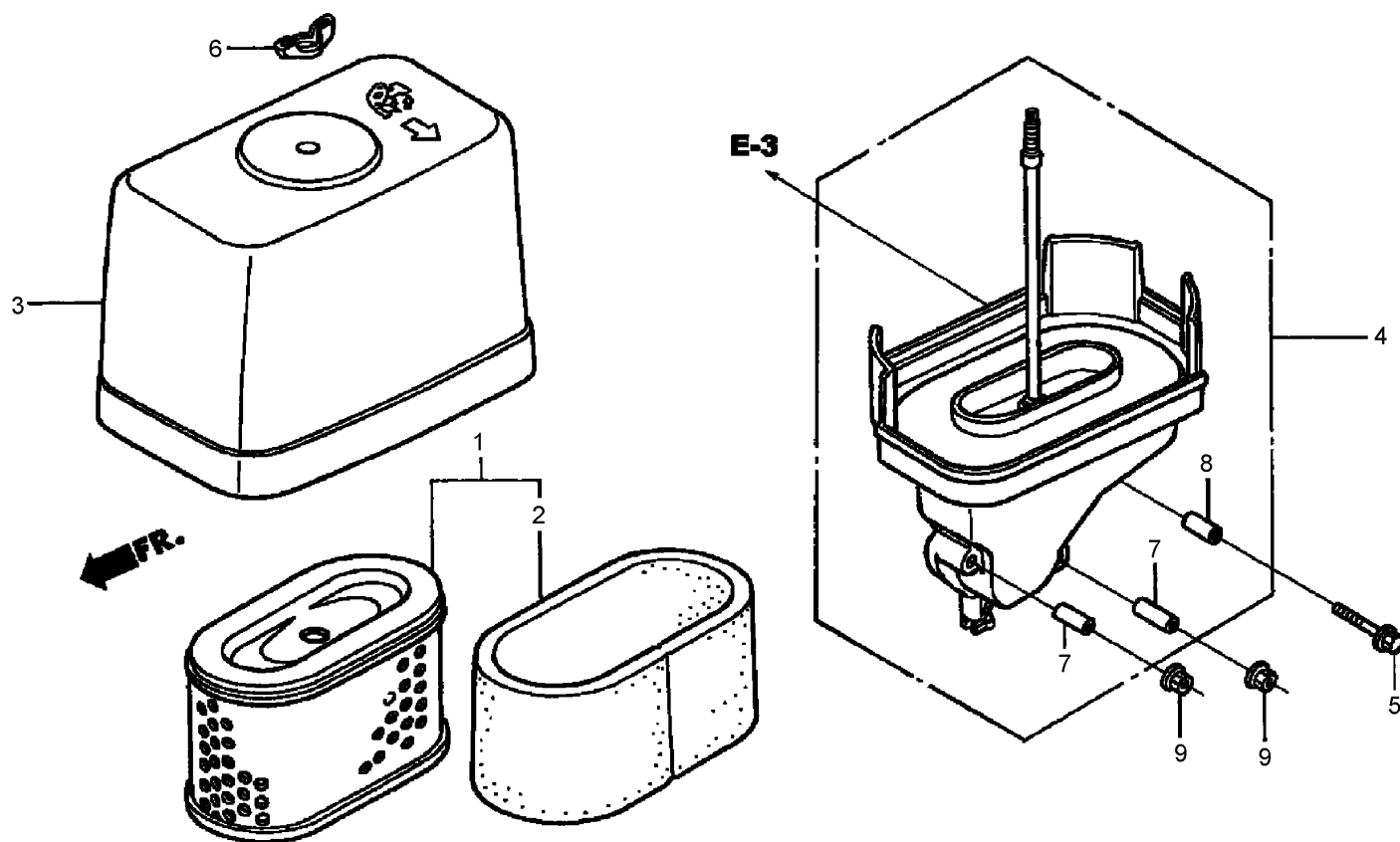
Ref	Part No.	Qty.	Description				
❸1	19610-ZF5-V11ZC	1	Cover-Fan				
❸3	19617-ZF5-V00	2	Bracket-Cover, Fan				
❸4	90029-888-000	4	Bolt-Flange (6X16) (C T200)				
❸5	91501-ZF5-V00	4	Collar-Cover, Fan				
❸6	94050-06000	4	Nut-Flange (6 Mm)				



Carburetor Assembly Honda GXV390A1 DETR

Ref	Part No.	Qty.	Description
❶1	16010-ZE2-015	1	Gasket Set
❷2	16011-ZA0-931	1	Valve Set-Float
❸3	16013-Z1C-003	1	Float Set
❹4	16015-ZE8-005	1	Chamber Set-Float
❺5	16016-ZH7-W01	1	Pilot Screw Set
❻6	16024-ZE1-811	1	Drain Screw Set
❼7	16028-ZE0-005	1	Screw Set
❽8	16100-Z1E-V21	1	Carburetor ASM (Be86P A)
❾9	16124-ZE0-005	1	Screw- Stop, Throttle
❿10	16148-141-881	1	Cap-Dust, Choke Lever
⓫11	16166-ZF5-V20	1	Nozzle-Main
⓬12	16172-ZE3-W10	1	Collar-Set
⓭13	16199-ZE8-000	1	Tube-Vent, Air (75Mm)

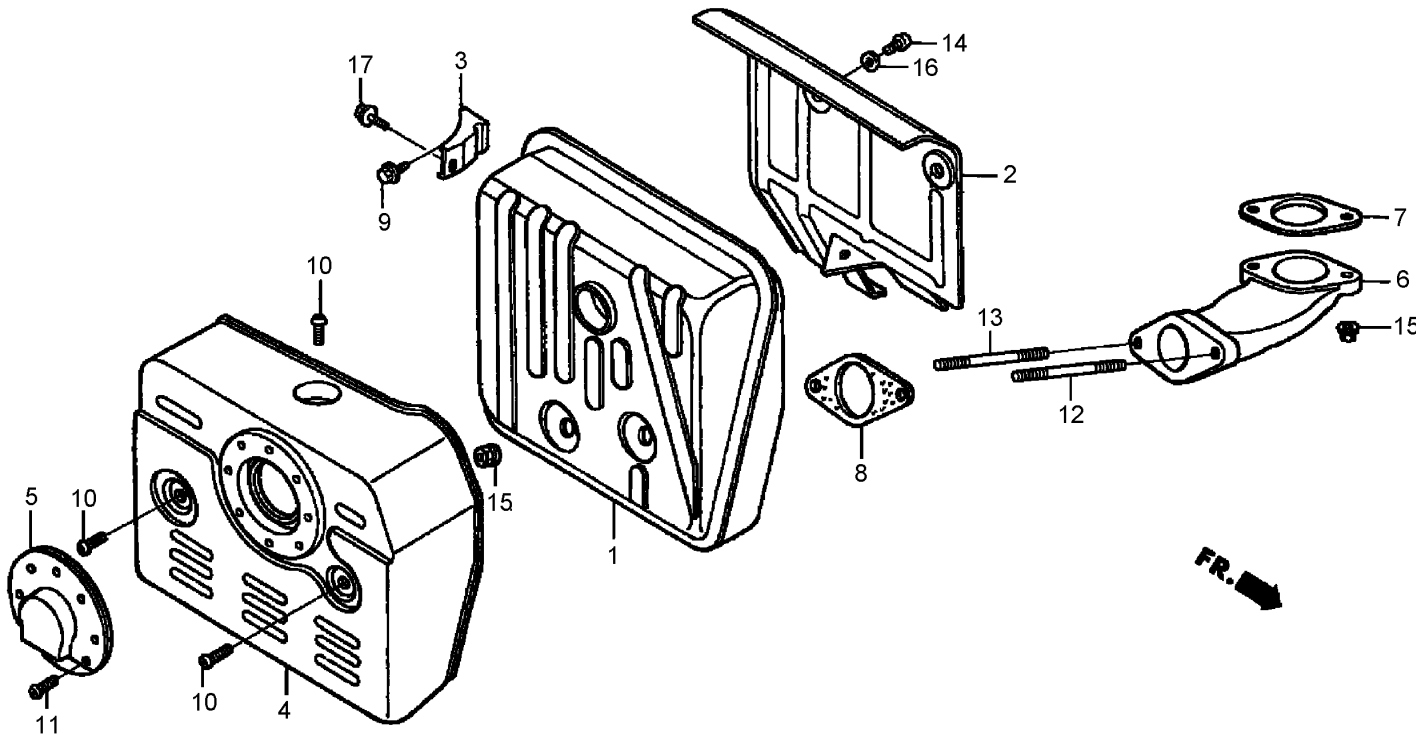
Ref	Part No.	Qty.	Description
❶14	16211-Z1E-000	1	Insulator-Carburetor
❶15	16220-ZA0-702	1	Spacer-Carburetor
❶16	16221-ZF6-800	1	Gasket-Carburetor
❶17	16223-ZE9-800	1	Gasket-Insulator
❶18	16953-ZE1-712	1	Lever-Valve
❶19	16954-ZE1-812	1	Plate-Setting, Lever
❶20	16956-ZE1-811	1	Spring-Lever, Petcock
❶21	16957-ZE1-812	1	Gasket-Petcock
❶22	93500-03006-0H	2	Screw-Pan (3X6)
❶23	95002-02080	1	Clip-Tube (B8)
❶24	99101-ZH8-0880	1	Jet-Main (No. 88)
❶24	99101-ZH8-0900	1	Jet-Main (No. 90)
❶24	99101-ZH8-0920	1	Jet-Main (No. 92)
❶25	99204-ZE2-0400	1	Jet Set-Pilot (No. 40)



Air Cleaner Assembly

Honda GXV390A1 DETR

Ref	Part No.	Qty.	Description
❸1	17211-ZF5-V01	1	Element-Cleaner, Air (Plastic Base)
❸2	17218-ZF5-V00	1	Filter (Outer)
❸3	17231-ZF5-V00	1	Cover-Cleaner, Air
❸4	17410-ZF5-V00	1	Elbow-Cleaner, Air
❸5	90014-ZE6-000	1	Bolt- Flange (6X35)
❸6	90325-044-000	1	Wingnut
❸7	91502-ZF5-V00	2	Collar-Cleaner, Air
❸8	91503-ZF5-V00	1	Collar-Cleaner, Air
❸9	94050-06000	2	Nut-Flange (6 Mm)

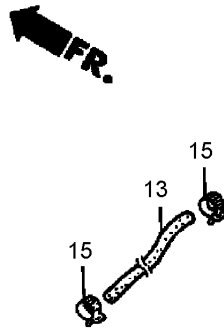


Muffler Assembly

Honda GXV390A1 DETR

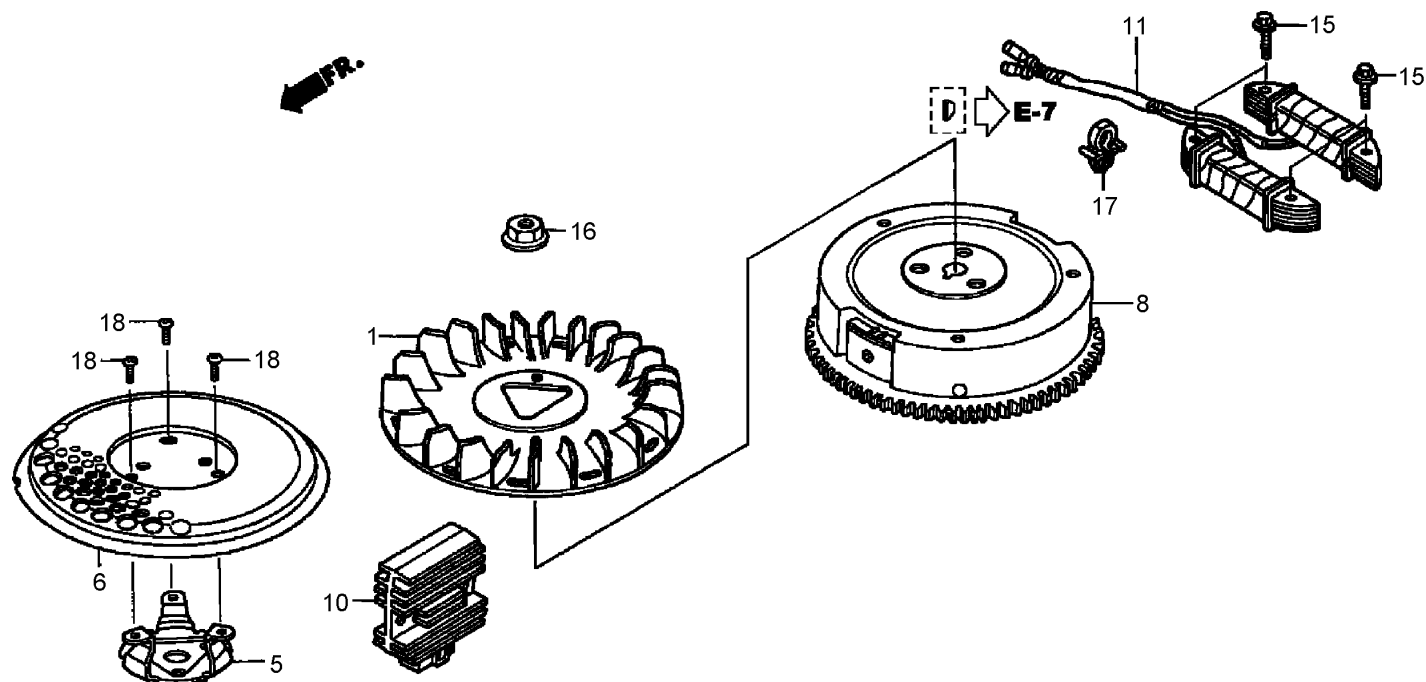
Ref	Part No.	Qty.	Description
❶1	18310-Z1E-000	1	Muffler
❶2	18316-ZF5-V00	1	Separator-Muffler
❶3	18318-ZE8-000	1	Stay-Muffler
❶4	18321-ZF5-000	1	Protector-Muffler
❶5	18331-ZE2-810	1	Cap-Muffler
❶6	18331-ZF5-000	1	Pipe-Exhaust
❶7	18333-ZE3-800	1	Gasket-Pipe, Exhaust
❶7	18333-ZK6-Y00	1	Gasket-Pipe, Exhaust (Wacker)
❶8	18382-ZE9-800	1	Gasket-Pipe, Exhaust
❶9	90031-883-000	1	Bolt-Flange (8X16)
❶10	90050-ZE1-000	3	Screw-Tapping (5X8)
❶11	90055-ZE1-000	3	Screw-Tapping (4X6)
❶12	92900-08060-1B	1	Bolt-Stud (8X60)

Ref	Part No.	Qty.	Description
❶13	92900-08070-1B	1	Bolt-Stud (8X70)
❶14	93500-06006-0A	3	Screw-Pan (6X6)
❶15	94050-08000	4	Nut-Flange (8Mm)
❶16	94101-06800	3	Washer-Plain (6Mm)
❶17	95701-08014-00	1	Bolt-Flange (8X14)



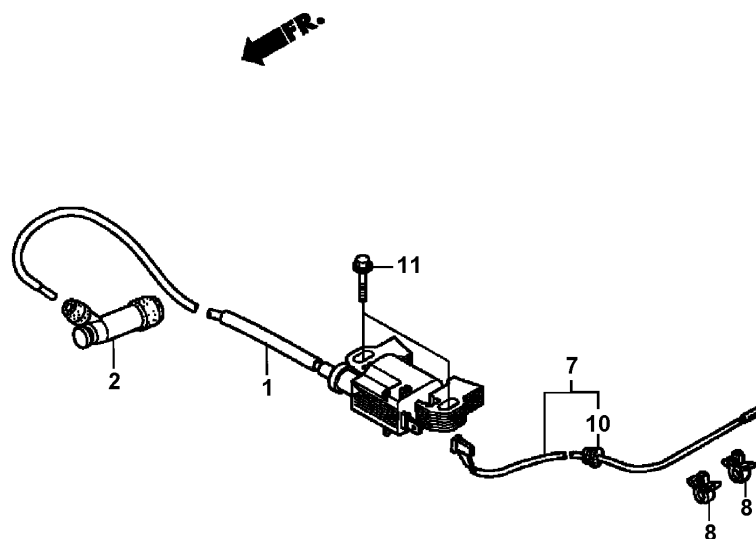
Fuel Tank Hose and Clip Assembly Honda GXV390A1 DETR

Ref	Part No.	Qty.	Description				
③13	95001-45003-60M	1	Hose-Fuel (4.5X3000) (4.5X235)				
③15	95002-40800-08	2	Clamp-Tube (D8)				



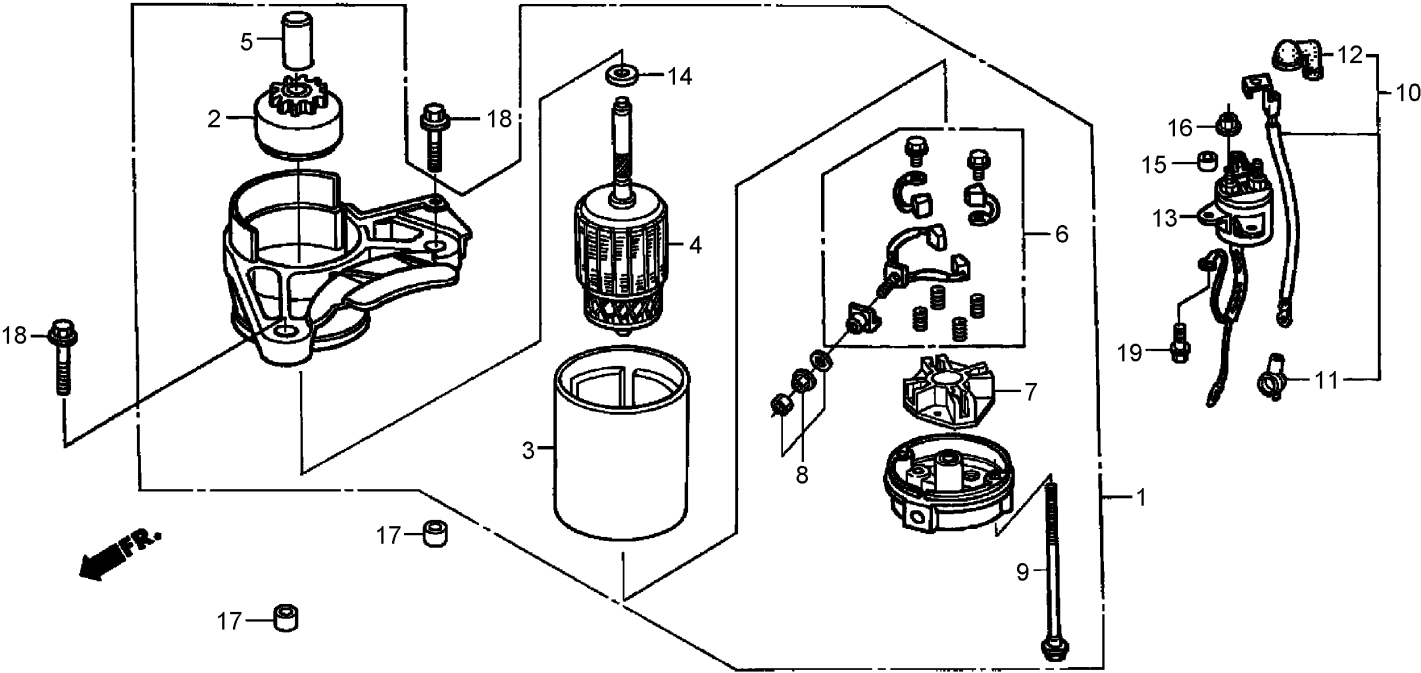
Flywheel Assembly Honda GXV390A1 DETR

Ref	Part No.	Qty.	Description				
③1	19511-ZE9-010	1	Fan-Cooling				
③5	28451-ZE9-801	1	Holder-Grid, Screen				
③6	28452-ZE8-801	1	Grid-Screen				
③8	31110-ZF5-L32	1	Flywheel (Sel-4 Pole)				
③10	31600-ZE2-861	1	Regulator Rectifier ASM				
③11	31630-ZF5-V01	1	Charge Coil ASM (10A)				
③15	90031-ZE1-000	4	Bolt-Flange (6X32)				
③16	90201-ZE3-V00	1	Nut (16Mm)				
③17	90682-735-A01	1	Clip-Harness, Wire				
③18	93500-05008-0A	3	Screw-Pan (5X8)				



Ignition Coil Assembly Honda GXV390A1 DETR

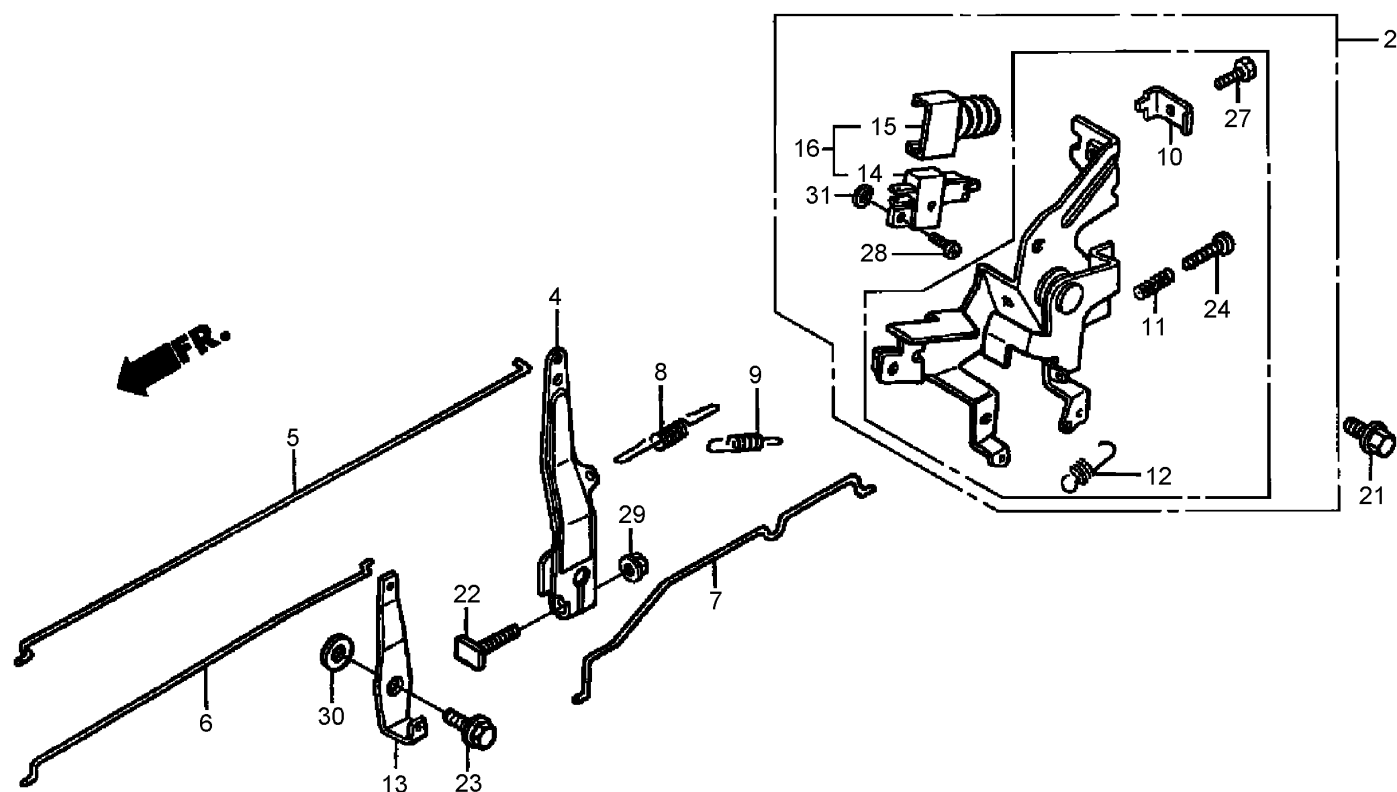
Ref	Part No.	Qty.	Description				
③1	30500-Z1E-013	1	Ignition Coil ASM				
③2	30700-ZF5-013	1	Noise Suppressor Cap ASM				
③7	36101-ZE8-810	1	Wire-Switch, Stop				
③8	46391-VM0-003	2	Clip A-Pipe, Brake				
③10	80101-166-000	1	Grommet-Wire				
③11	90015-883-000	2	Bolt-Flange (6X28)				



Starter Motor Assembly
Honda GXV390A1 DETR

Ref	Part No.	Qty.	Description
❶1	31200-ZF5-L32	1	Starter Motor ASM
❶2	31206-ZF5-L31	1	Drive ASM
❶3	31216-ZJ1-004	1	Yoke
❶4	31217-ZF5-L31	1	Armature
❶5	31225-ZF5-L31	1	Stopper Set-Pinion
❶6	31226-ZJ1-004	1	Brush Set
❶7	31231-ZJ1-004	1	Holder-Brush
❶8	31237-ZJ1-004	1	Nut Set-Terminal
❶9	31261-ZF5-L31	2	Bolt-Through
❶10	32402-ZF5-V00	1	Wire-Switch, Magnet
❶11	32411-ZV4-811	1	Cover-Terminal, Starter
❶12	32412-ZV4-811	1	Cover-Terminal, Magnetic Switch
❶13	35850-ZF5-V01	1	Starter Magnetic Switch ASM

Ref	Part No.	Qty.	Description
❶14	90407-ZF5-L31	1	Washer-Thrust
❶15	91504-ZF5-V00	2	Collar-Distance
❶16	94070-06080	2	Nut-Washer (6Mm)
❶17	94301-10120	2	Pin-Dowel (10X12)
❶18	95701-08035-00	2	Bolt-Flange (8X35)
❶19	96001-06025-00	2	Bolt-Flange (6X25)



Control Assembly Honda GXV390A1 DETR

Ref	Part No.	Qty.	Description
❸2	16500-ZF5-010	1	Control ASM
❸4	16551-ZF5-000	1	Arm-Governor
❸5	16555-ZE9-000	1	Rod-Governor
❸6	16556-ZE9-000	1	Rod-Choke
❸7	16557-ZE8-810	1	Rod-Joint
❸8	16561-ZF5-000	1	Spring-Governor
❸9	16563-ZE8-000	1	Spring-Primary, Governor
❸10	16576-891-000	1	Holder-Cable
❸11	16584-883-300	1	Spring-Adjusting, Control
❸12	16592-732-700	1	Spring-Return, Cable
❸13	16619-ZF5-000	1	Lever-Joint, Choke
❸14	35330-ZG1-751	1	Engine Switch ASM
❸15	35336-750-003	1	Cover-Switch

Ref	Part No.	Qty.	Description
❸16	36100-ZE8-003	1	Engine Stop Switch ASM
❸21	90013-883-000	1	Bolt-Flange (6X12) (C T200)
❸22	90015-ZE5-010	1	Bolt-Arm, Governor
❸23	90015-ZE8-000	1	Bolt-Flange (6Mm)
❸24	93500-05020-0A	1	Screw-Pan (5X20)
❸27	92300-05014-0A	1	Bolt-Recessed (5X14)
❸27	92301-05014-0A	1	Bolt-Recessed (5X14)
❸28	93500-04014-0A	1	Screw-Pan (4X14)
❸29	94050-06000	1	Nut-Flange (6 Mm)
❸30	94101-06800	1	Washer-Plain (6Mm)
❸31	94111-04000	1	Washer-Spring (4Mm)

Attachments and Accessories

For 81230 - Precision Z320 H Riding Mower

Product Name	Model/Part
Tire Chain Kit	107-1737
Anti-Scalp Roller Kit	107-9133
Light Kit	108-6160
38 Inch Mulching Kit	108-7193
Smooth Tire Kit	108-8501
38 Inch Twin Bagger	62555
48 Inch Snow Blade	63600

NOTES

NOTES

