Form No. 3328–254

Z255

Z Master® with 72in SFS Side Discharge Mower

Model No. 74235—230000001 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.

© The TORO Company — 2002
All Rights Reserved

Contents

Description	Page
Front Frame Assembly	4
Caster and Wheel Assembly	5
Main Frame Assembly	6
Brake and Wheel Hub Assembly	7
Steering Control Assembly	8
Hydraulic System Assembly	9
Seat Assembly	11
Seat Assembly No. 1–633705	12
Deck Connection Assembly	13
Drive Idler Assembly	14
Z–Stand Assembly	15
Engine and Clutch Assembly	16
Guard Assembly	17
Fuel System Assembly	18
Electrical System Assembly	19
Deck and Roller Assembly	20
Deck Assembly No. 105–1698	21
Spindle and Pulley Assembly	22
Belt and Idler Arm Assembly	23
Electrical Schematic	24
Cylinder/Crankcase Assembly Kawasaki FH721D–AS05	25
Piston/Crankshaft Assembly Kawasaki FH721D–AS05	26
Valve/Camshaft Assembly Kawasaki FH721D–AS05	27
Lubrication Equipment Assembly Kawasaki FH721D–AS05	28
Cooling Equipment Assembly Kawasaki FH721D–AS05	29
Electric Equipment Assembly Kawasaki FH721D–AS05	30
Control Equipment Assembly Kawasaki FH721D–AS05	31
Carburetor Assembly Kawasaki FH721D–AS05	32
Air Filter/Muffler Assembly Kawasaki FH721D–AS05	33
Fuel Tank/Fuel Valve Assembly Kawasaki FH721D–AS05	34
Starter Assembly Kawasaki FH721D–AS05	35
P.T.O. Equipment Assembly Kawasaki FH721D–AS05	36
Label Assembly Kawasaki FH721D–AS05	37

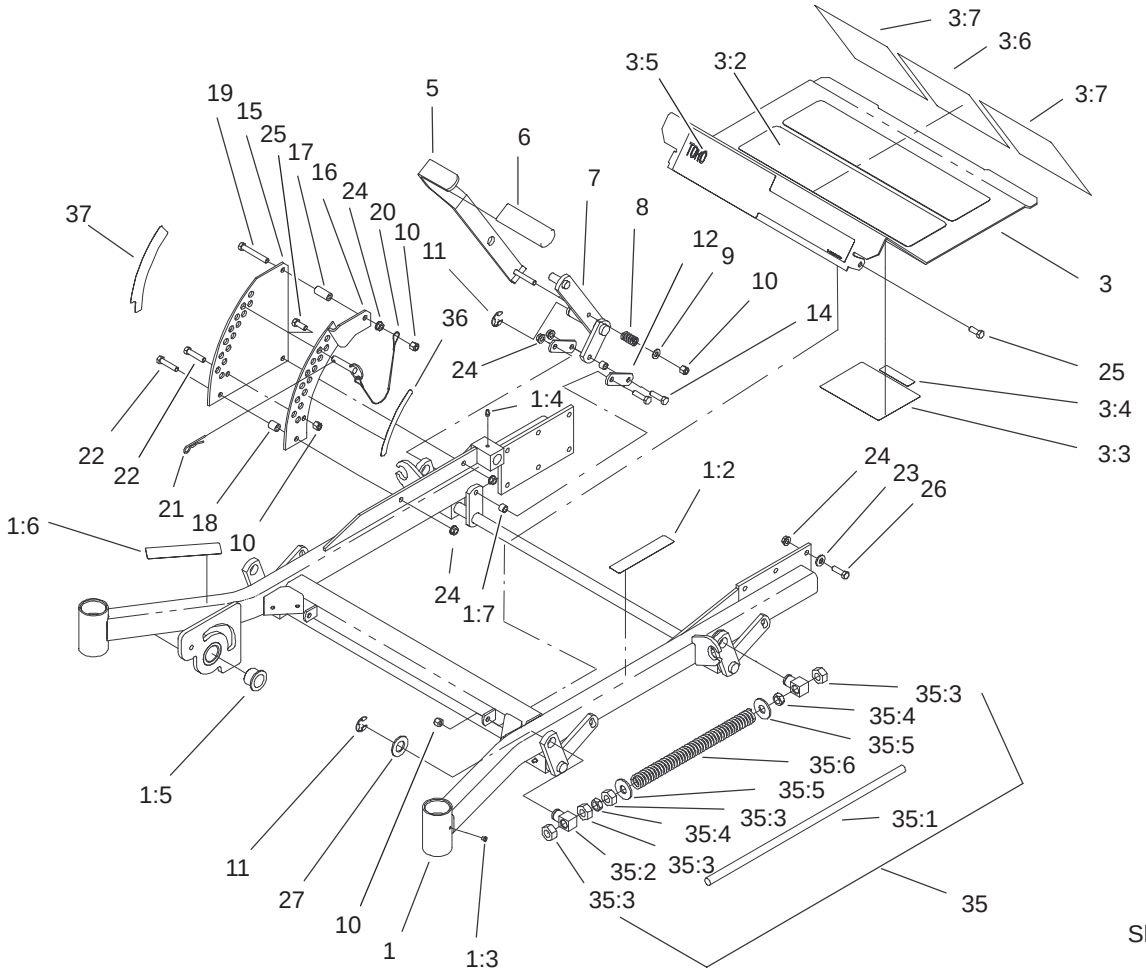
Accessories

Description	Model / Part No.
Suspension Seat Kit	99–8522
Hitch Kit	99–8925
Atomic Blade Assembly	104–1304
Striping Kit	30163
Z–Recycler Kit	100–9678
Filter Minder	99–4664
Spark Arrestor Kit	105–1672
ROPS Kit	TORO Dealer

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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



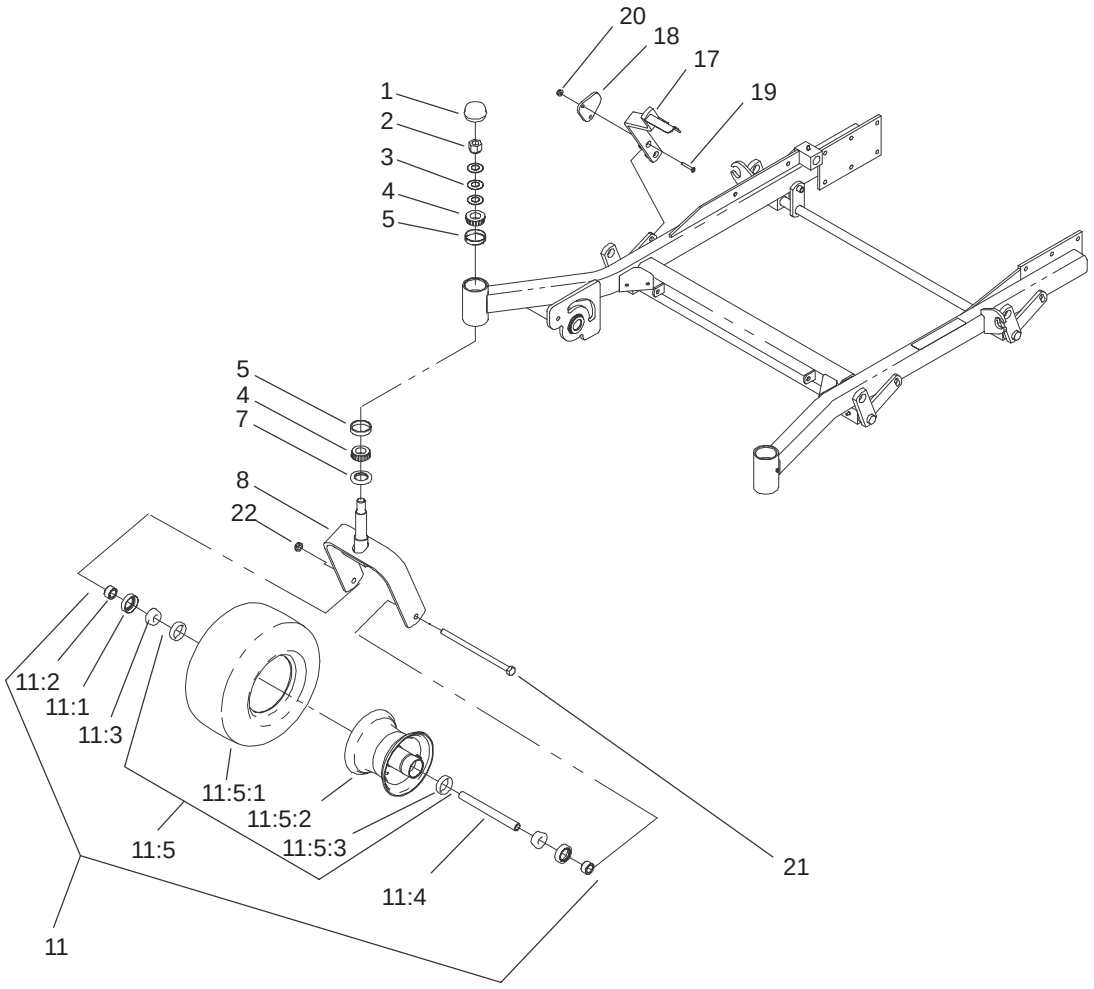
Sheet No.: 2

Front Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	104–5133	1	Frame ASM
1:2	1–633818	1	Decal–Warning
1:3	1–811010	2	Plug
1:4	302–19	5	Fitting–Grease
1:5	94–1291	2	Bushing–Special
1:6	104–7759	1	Decal–Warning
1:7	103–1918	1	Bushing
3	100–6509	1	Floorpan ASM
3:2	1–633553	3	Pad–Antiskid
3:3	1–633766	1	Decal–Check
3:4	98–5954	1	Decal–Missing, Cover
3:5	1–633737	1	Decal–Z Master
5	103–2083–03	1	Lever–Lift
6	1–633295	1	Grip–Lever, Lift
7	103–2064–03	1	Arm–Lift, Deck
8	1–633325	1	Spring–Compression
9	3256–24	1	Washer–Flat
10	3296–39	5	Nut–Lock, NI
11	32151–103	5	Ring–Snap
12	1–633068	2	Arm–Lift, Deck
14	323–29	2	Screw–HH
15	1–633889–01	1	Plate–Lift, Deck
16	1–632899–01	1	Plate–Lift, Deck
17	1–633082	1	Bushing–Lever, Lift
18	1–633080	1	Bushing–Lever, Lift
19	323–13	1	Screw–HH

Ref. No.	Part No.	Qty.	Description
20	1–633097	1	Pin–Hitch W/Lanyard
21	1–806005	1	Pin–Hair
22	323–9	2	Screw–HH
23	98–5975	12	Washer–Belleville
24	3290–357	17	Nut–HHF
25	323–6	3	Screw–HH
26	323–7	12	Screw–HH
27	3256–29	4	Washer–Flat
☆35		2	Front Frame Spring ASM
35:1	1–633096	1	Rod–Lift, Deck
35:2	1–633441	2	Swivel–Deck Mount, Rear
35:3	3217–11	4	Nut–Hex
35:4	3218–6	2	Nut–Jam
35:5	3256–7	2	Washer–Flat
35:6	1–633064	1	Spring–Support, Deck
36	1–633706	1	Decal–Height, Deck
37	1–633345	1	Decal–Height, Deck

☆ Not serviced separately

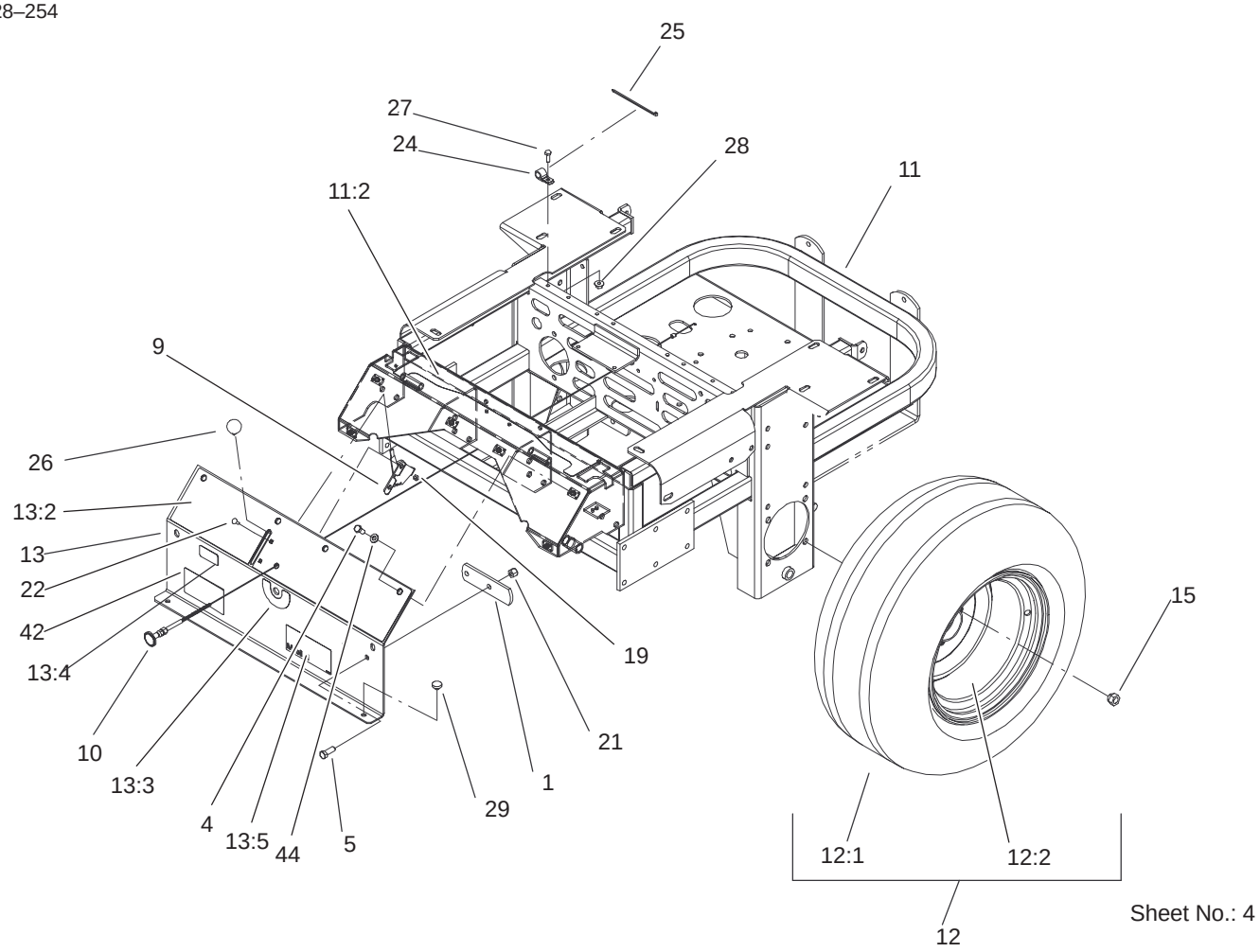


Sheet No.: 3

Caster and Wheel Assembly

Ref. No.	Part No.	Qty.	Description
1	1–543513	2	Cap–Grease
2	3296–51	2	Nut–Lock, NI
3	1–633508	6	Washer–Bellville
4	254–94	4	Bearing–Cone, Taper
5	254–72	4	Bearing–Cup, Tapered
7	1–543511	2	Seal–Grease
8	103–1474–01	2	Fork–Caster
11	1–644251	2	Caster Wheel ASM
11:1	1–633580	2	Seal–Bearing
11:2	1–633581	2	Spacer–Bearing
11:3	1–633585	2	Bearing–Cone, Taper
11:4	1–633959	1	Spacer–Caster, Front
11:5		1	Wheel And Tire ASM
11:5:1	1–523009	1	Tire
11:5:2	1–633987	1	Wheel
11:5:3	1–633584	2	Bearing–Cup
17	100–4333–01	1	Lever–Lift, Deck
18	1–643220–01	1	Strap
19	3289–7	2	Screw
20	32128–20	2	Nut–HF
21	325–39	2	Screw–HH
22	3296–45	2	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description

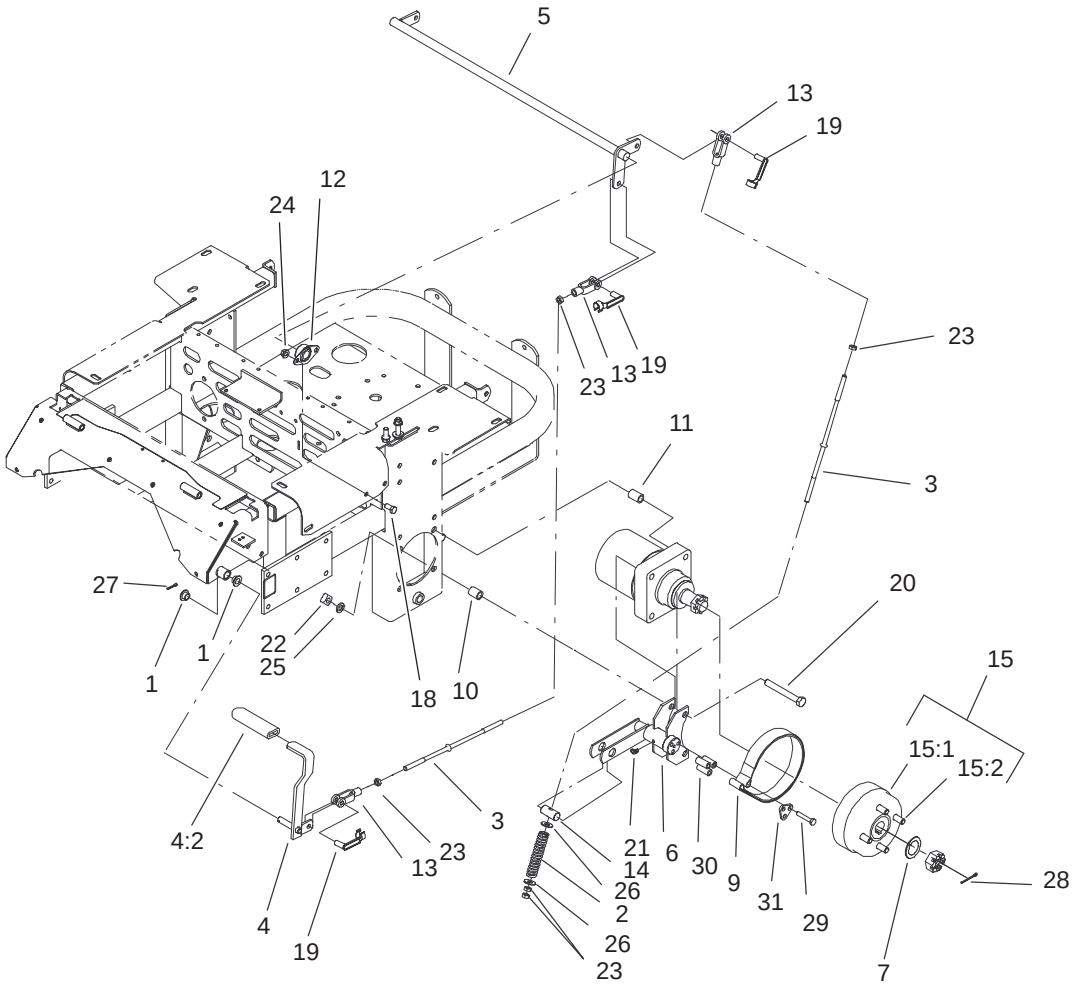


Sheet No.: 4

Main Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	1–633964–03	1	Stop–Brake, Park
4	322–3	6	Screw–HH
5	323–6	2	Screw–HH
9	1–633696	1	Cable–Throttle
10	1–603336	1	Control–Choke
11	105–3648	1	Main Frame ASM
11:2	103–2433	1	Decal–Console, Top
12	1–633970	2	Wheel And Tire ASM
12:1	1–633993	1	Tire
12:2	1–633992	1	Wheel
13	99–4623	1	Console ASM
13:2	100–4311	1	Decal–Panel, Control
13:3	103–0262	1	Decal–Valve, Fuel
13:4	98–4387	1	Decal–Protection, Ear
13:5	104–8172	1	Decal–Mobil 1
15	242–50	8	Nut–Lug
19	3296–2	2	Nut–Lock
21	3296–39	2	Nut–Lock, NI
22	1–807513	2	Bolt–CARR
24	1–513762	1	Clip–Loom
25	1–303335	1	Tie–Plastic
26	1–513592	1	Knob–Ball
27	321–4	1	Screw–HH
28	32128–33	1	Nut–HF
29	1–513658	2	Bumper–Catcher, Grass

Ref. No.	Part No.	Qty.	Description
42	1–633736	1	Decal–Toro, Z255
44	3256–23	6	Washer–Flat

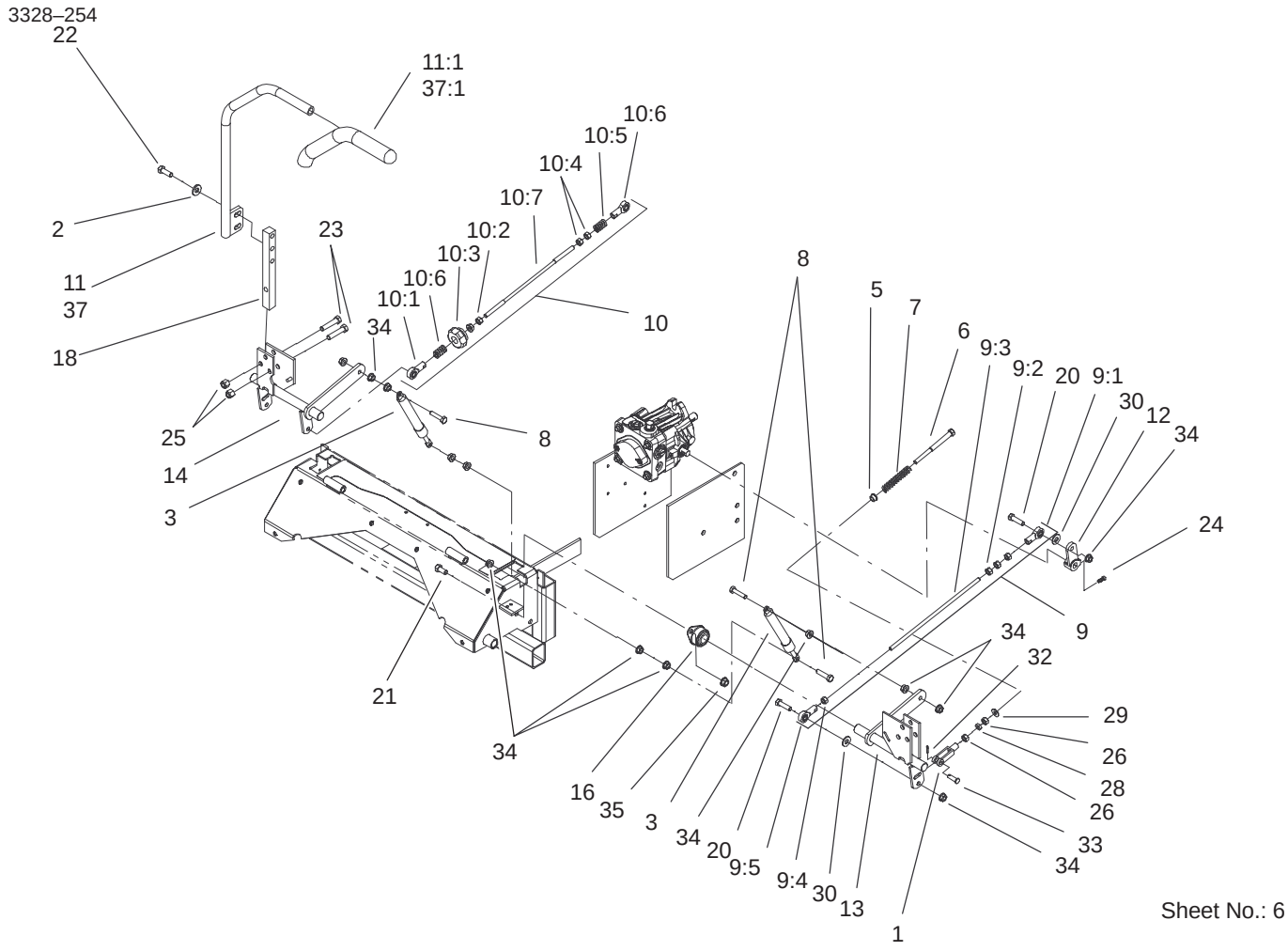


Sheet No.: 5

Brake and Wheel Hub Assembly

Ref. No.	Part No.	Qty.	Description
1	1–513140	2	Bearing–Control
2	1–633454	2	Spring–Brake
3	1–633477	3	Rod–Brake
4	1–634500	1	Brake Lever ASM
4:2	1–633268	1	Grip–Lever, Brake
5	1–632217–03	1	Shaft–Brake
6	103–0354–03	2	Bracket–Brake
7	1–523157	2	Washer–Spacer
9	103–0355	2	Band–Brake
10	1–633060	4	Spacer–Wheel, Short
11	1–633062	4	Spacer–Wheel, Long
12	1–633102	2	Bearing–Flange, Side
13	1–633131	4	Yoke–Linkage, Brake
14	1–633144	2	Pin–Trunion
15	103–0590	2	Hub–Wheel
15:1	103–0589	1	Hub–Wheel
15:2	1–633926	4	Stud–Wheel
18	323–4	4	Screw–HH
19	103–2399	4	Pin–Spring, Clevis
20	325–20	8	Screw–HH
21	302–19	2	Fitting–Grease
22	103–0131	8	Nut–Square
23	3219–3	8	Nut–HH
24	3290–357	4	Nut–HHF
25	3253–7	8	Washer–Lock
26	3256–4	4	Washer–Flat

Ref. No.	Part No.	Qty.	Description
27	3272–10	1	Pin–Cotter
28	1–806800	2	Pin–Cotter
29	322–9	6	Screw–HH
30	103–0384	6	Spacer
31	103–0374	2	Retainer–Band, Brake

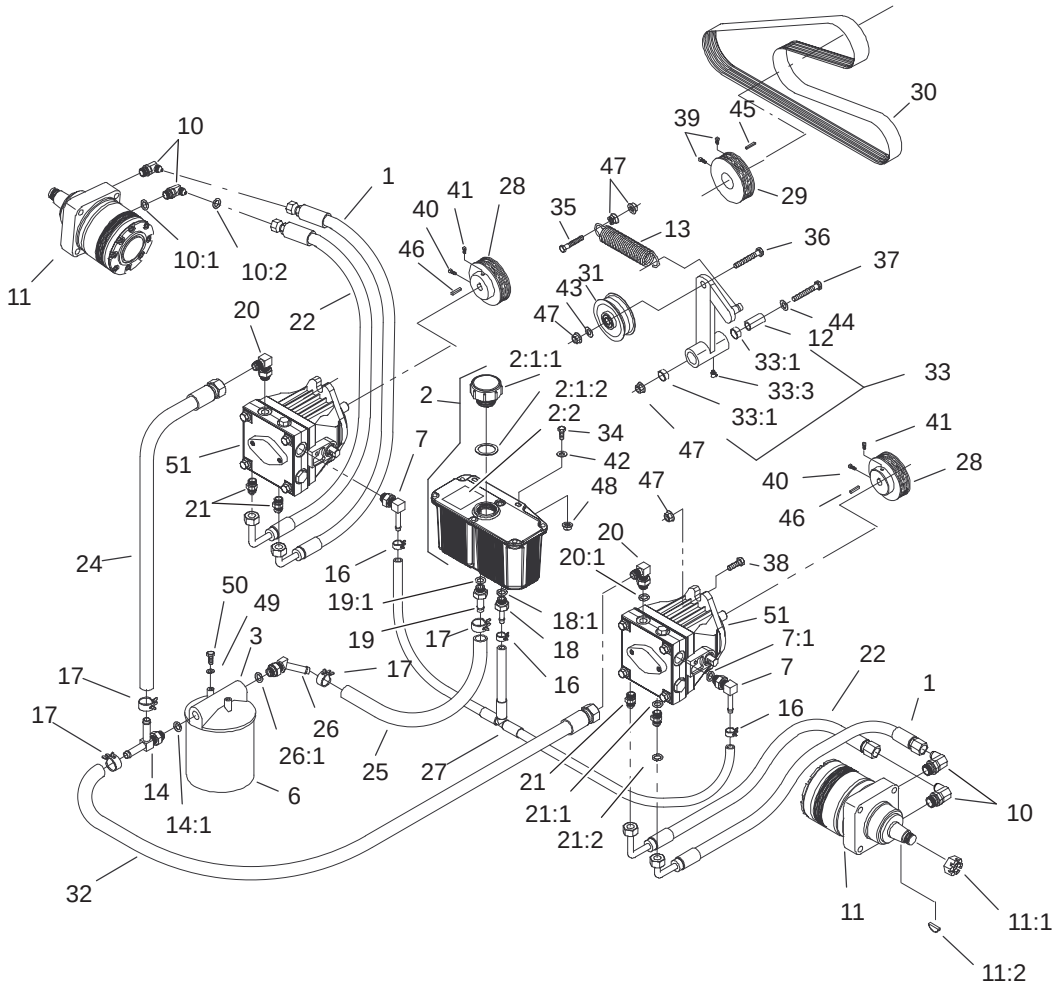


Sheet No.: 6

Steering Control Assembly

Ref. No.	Part No.	Qty.	Description
1	1–303105	2	Yoke–Adjustable
2	98–5975	4	Washer–Belleville
3	103–2913	2	Damper–Control, Motion
5	1–603735	2	Bushing–Flanged
6	1–603737	2	Bolt–Return, Neutral
7	1–603807	2	Spring–Return, Neutral
8	1–403180	4	Screw–HH
9	103–3074	1	LH Pump Linkage ASM
9:1	1–543017	1	Balljoint–RH
9:2	3219–2	3	Nut–Hex
9:3	103–3064	1	Link–Rod, Tracking
9:4	1–804524	1	Nut
9:5	1–633152	1	Balljoint–Thread, LH
10	103–3061	1	Tracking Rod ASM
10:1	1–543017	1	Balljoint–RH
10:2	3219–2	1	Nut–Hex
10:3	103–3060	1	Knob–Tracking
10:4	1–804524	2	Nut
10:5	1–323245	2	Spring–Compression
10:6	1–633152	1	Balljoint–Thread, LH
10:7	103–3064	1	Link–Rod, Tracking
11	103–0632	1	RH Lever ASM
11:1	1–633257	1	Grip–Control, Motion

Ref. No.	Part No.	Qty.	Description
12	1–632208	2	Arm–Control, Pump
13	1–642319	1	Control–Motion, LH
14	1–642320	1	Control–Motion, RH
16	1–633102	4	Bearing–Flange, Side
18	103–0407	2	Arm–Shaft, Control
20	322–6	4	Screw–HH
21	323–4	8	Screw–HH
22	323–6	4	Screw–HH
23	323–9	6	Screw–HH
24	1–803022	2	Screw–Set
25	3296–39	6	Nut–Lock, NI
26	3219–2	4	Nut–Hex
28	3220–2	2	Nut
29	3256–2	2	Washer–Flat
30	3256–3	4	Washer–Flat
32	3272–5	2	Pin–Cotter
33	1–808280	2	Pin–Clevis
34	32128–20	16	Nut–HF
35	3290–357	8	Nut–HHF
37	103–0631	1	LH Lever ASM
37:1	1–633257	1	Grip–Control, Motion



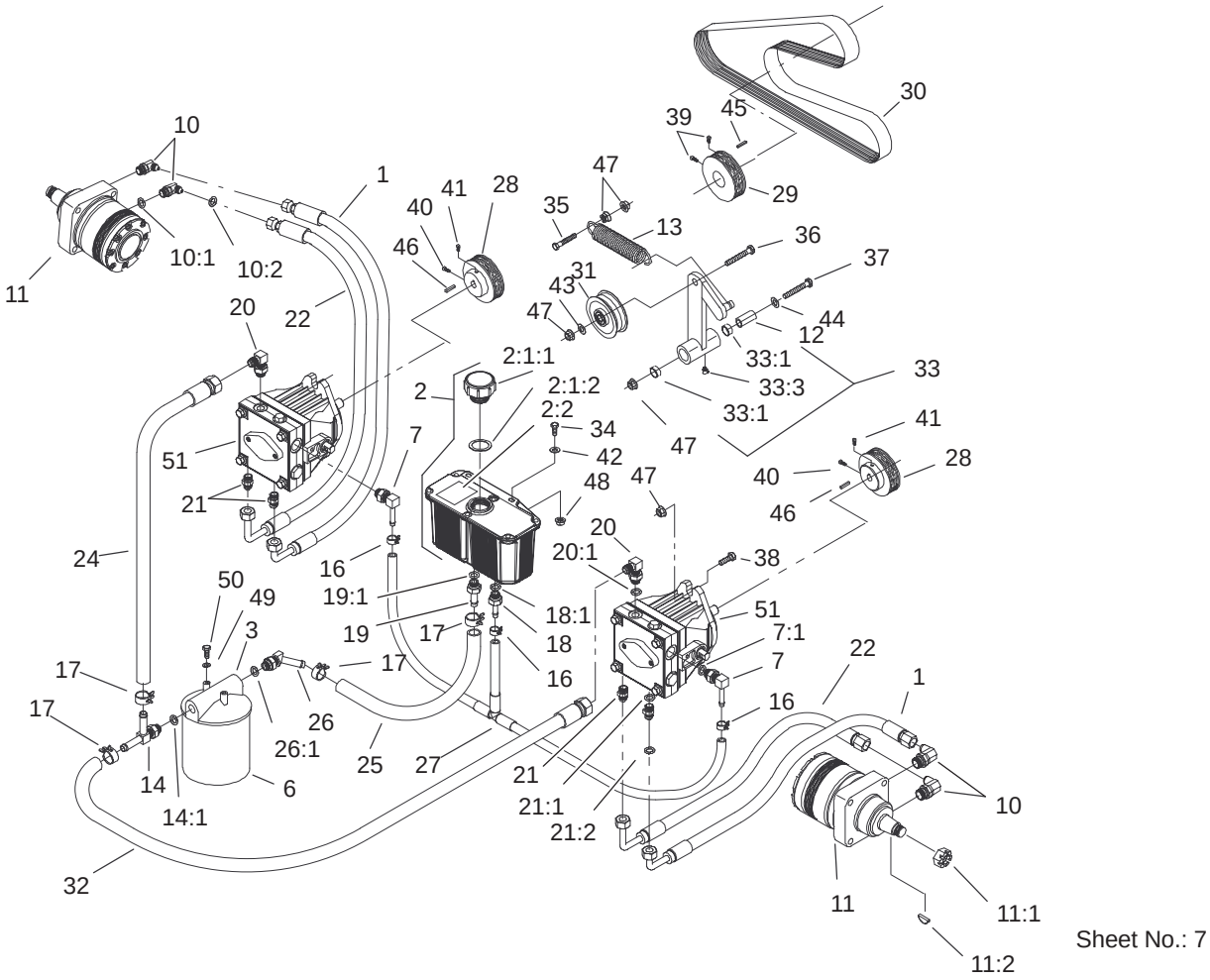
Sheet No.: 7

Hydraulic System Assembly

Ref. No.	Part No.	Qty.	Description
1	103–3734	2	HYD Hose ASM
2	103–1947	1	HYD Reservoir ASM
☆2:1		1	Reservoir–HYD
2:1:1	103–1948	1	Cap–Reservoir, HYD
2:1:2	103–1949	1	Gasket–Cap
2:2	1–523552	1	Decal–Tank, HYD
3	104–7836	1	Head–Filter
6	1–633750	1	Filter–HYD
6	1–633752	1	Filter–HYD, Winter
7	103–1799	2	Elbow–90°
7:1	237–42	1	O–Ring
10	1–633786	4	Fitting–90°
10:1	237–80	1	O–Ring
10:2	1–603992	1	O–Ring
11	1–523328	2	Motor–Wheel
11:1	1–809036	1	Nut–HH
11:2	3257–42	1	Key–Woodruff
*11:99	1–000099	1	Seal Kit
*11:99	1–000139	1	Bearing Kit
*11:99	103–2748	1	Drive Link Kit
12	1–603384	1	Bushing–Pivot, Idler
13	103–3330	1	Spring–Extension
14	103–1828	1	Adapter–Run, Tee
14:1	237–42	1	O–Ring
16	103–1716	3	Clamp–Hose
17	103–1988	4	Clamp–Hose

Ref. No.	Part No.	Qty.	Description
18	103–1801	1	Adapter–Straight
18:1	237–42	1	O–Ring
19	103–1912	1	Adapter–Straight
19:1	237–42	1	O–Ring
20	103–1802	2	Fitting–HYD, 90°
20:1	237–42	1	O–Ring
21	1–603990	4	Fitting–Straight
21:1	237–79	1	O–Ring
21:2	1–603992	1	O–Ring
22	103–1863	2	Hose–Lower
24	103–1826	1	HYD Hose ASM
25	103–1808	1	Hose–HYD
26	103–1807	1	Elbow–45°
26:1	237–42	1	O–Ring
27	103–1806	1	HYD Hose ASM
28	1–633568	2	Sheave
29	1–633567	1	Sheave
30	1–633749	1	Belt–Drive, Pump
31	1–633167	1	Sheave–Idler
32	103–1827	1	HYD Hose ASM
33	1–634277	1	Bearing Arm ASM
33:1	1–513034	2	Sleeve–Bearing
33:3	302–40	1	Fitting–Grease
34	321–6	2	Screw–HH
35	323–8	1	Screw–HH
36	323–9	1	Screw–HH

☆ Not serviced separately
* Not illustrated



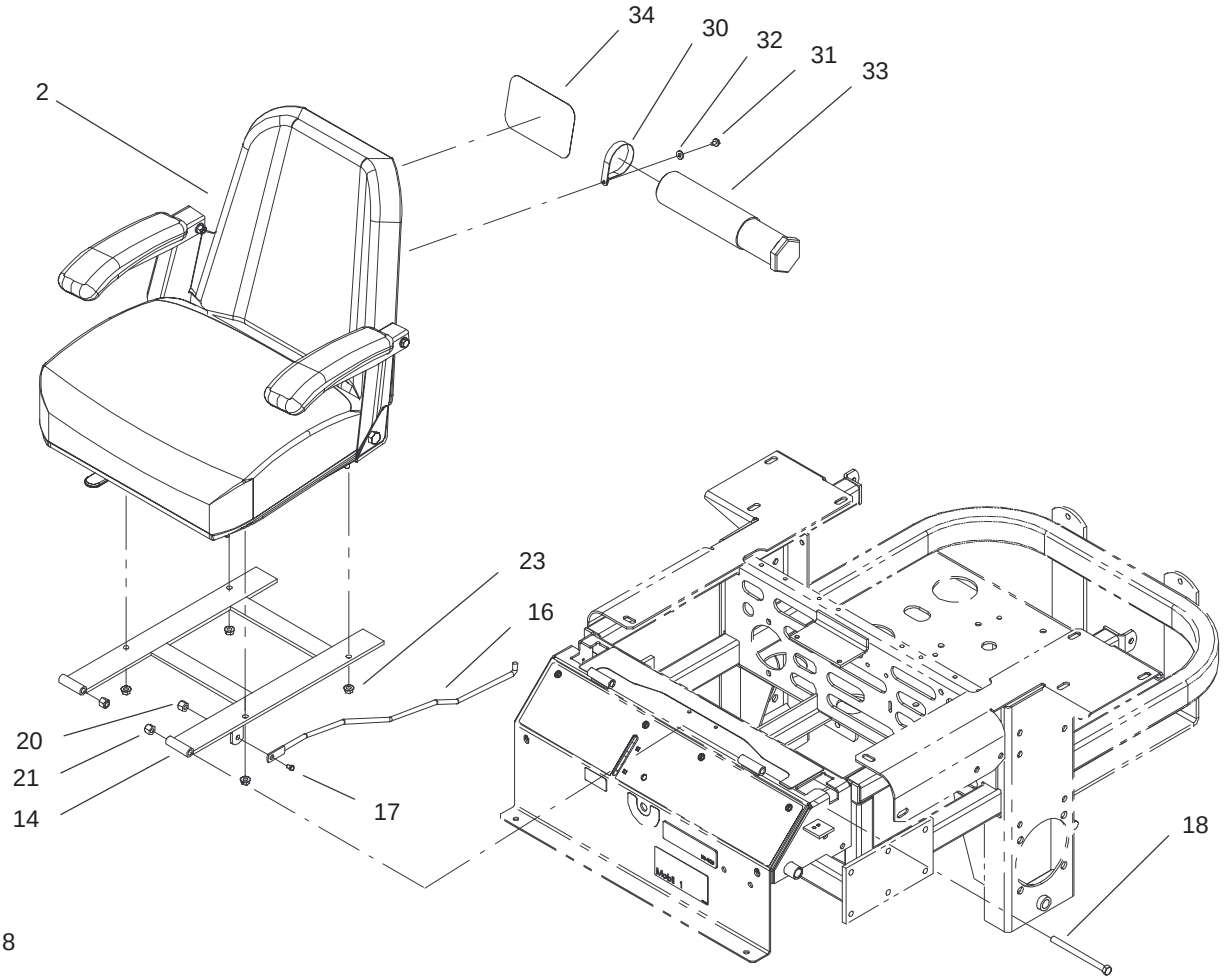
Sheet No.: 7

Hydraulic System Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
37	1–800805	1	Screw–HH
38	323–7	4	Screw–HH
39	1–803022	2	Screw–Set
40	30–1710	2	Screw
41	1–803050	2	Screw–Set
42	3256–22	2	Washer–Flat
43	3256–3	1	Washer–Flat
44	3256–4	1	Washer–Flat
45	13–2840	1	Key–Square
46	1–807272	2	Key
47	3290–357	8	Nut–HHF
48	32128–33	2	Nut–HF
49	1–805004	2	Washer–Lock
50	321–3	2	Screw–HH
51	103–2675	2	Pump–HYD
*51:1	103–2664	1	Input Shaft Kit
*51:2	94–6922	1	Bearing–Thrust
*51:3	103–2666	1	Cylinder Block Kit
*51:4	105–6185	1	Plate–Valve
*51:5	105–6184	1	Seal Overhaul Kit
*51:7	106–2053	1	Shock Valve Kit

Ref. No.	Part No.	Qty.	Description

* Not illustrated

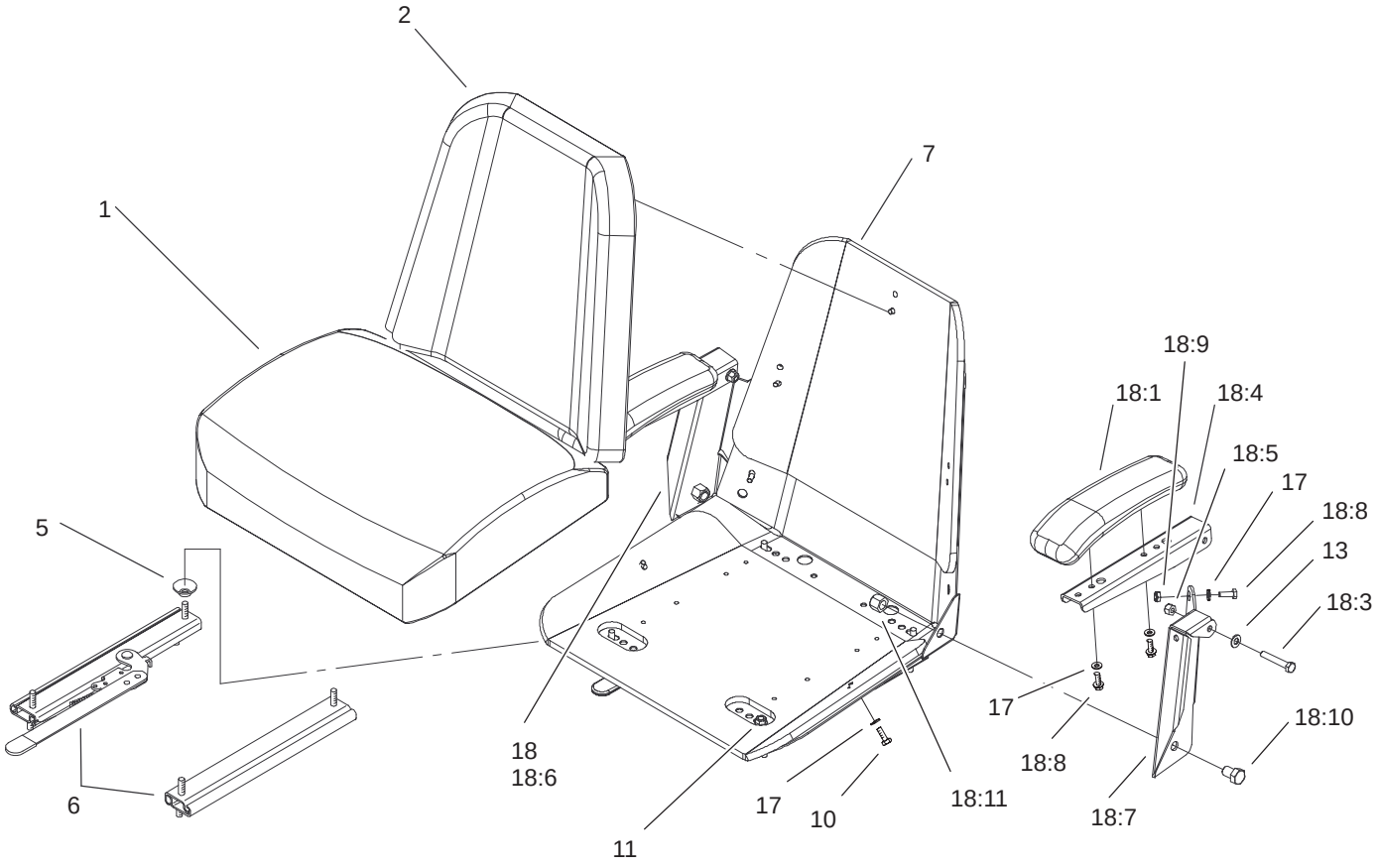


Sheet No.: 8

Seat Assembly

Ref. No.	Part No.	Qty.	Description
2	1–633705	1	Seat ASM
14	1–632187–03	1	Frame–Seat
16	1–633293	1	Rod–Holdup, Seat
17	322–5	1	Screw–HH
18	323–39	2	Screw–HH
20	3296–29	1	Nut–Lock, NI
21	3296–39	2	Nut–Lock, NI
23	32128–20	4	Nut–HF
30	2412–133	2	R–Clamp
31	32104–76	2	Screw
32	3256–16	2	Washer–Flat
33	74–0720	1	Tube–Manual
34	99–4693	1	Decal–Toro

Ref. No.	Part No.	Qty.	Description

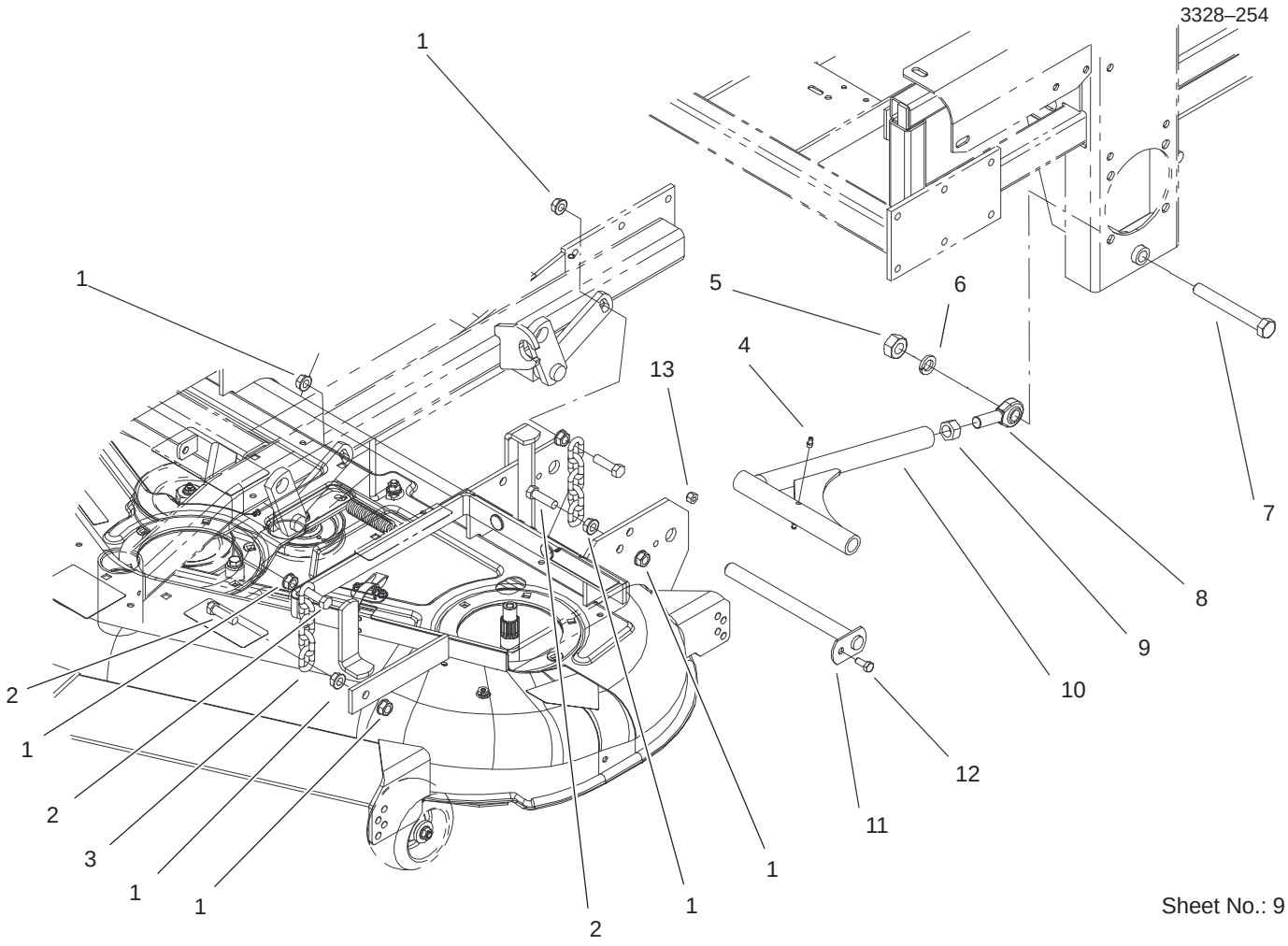


Sheet No.: A1

Seat Assembly No. 1–633705

Ref. No.	Part No.	Qty.	Description
1	103–0290	1	Cushion–Seat, Bottom
2	104–7754	1	Cushion–Seat, Back
5	1–543401	4	Spacer–Track
6	1–643255	1	Track–Seat
7	1–633859	1	Frame–Seat
10	321–4	11	Screw–HH
11	32128–20	4	Nut–HF
13	3256–23	4	Washer–Flat
17	3256–22	11	Washer–Flat
18	105–3620	1	Armrest Kit
18:1	1–633710	2	Cushion–Armrest
18:3	322–10	2	Screw–HH
18:4	105–3623	2	Channel, Armrest
18:5	32153–3	2	Nut–Lock
18:6	105–3621	1	Bracket–Armrest, RH
18:7	105–3622	1	Bracket–Armrest, LH
18:8	321–30	6	Screw–HH
18:9	3296–42	2	Nut–Lock, NI
18:10	325–2	2	Screw–HH
18:11	32153–5	2	Nut–Lock

Ref. No.	Part No.	Qty.	Description

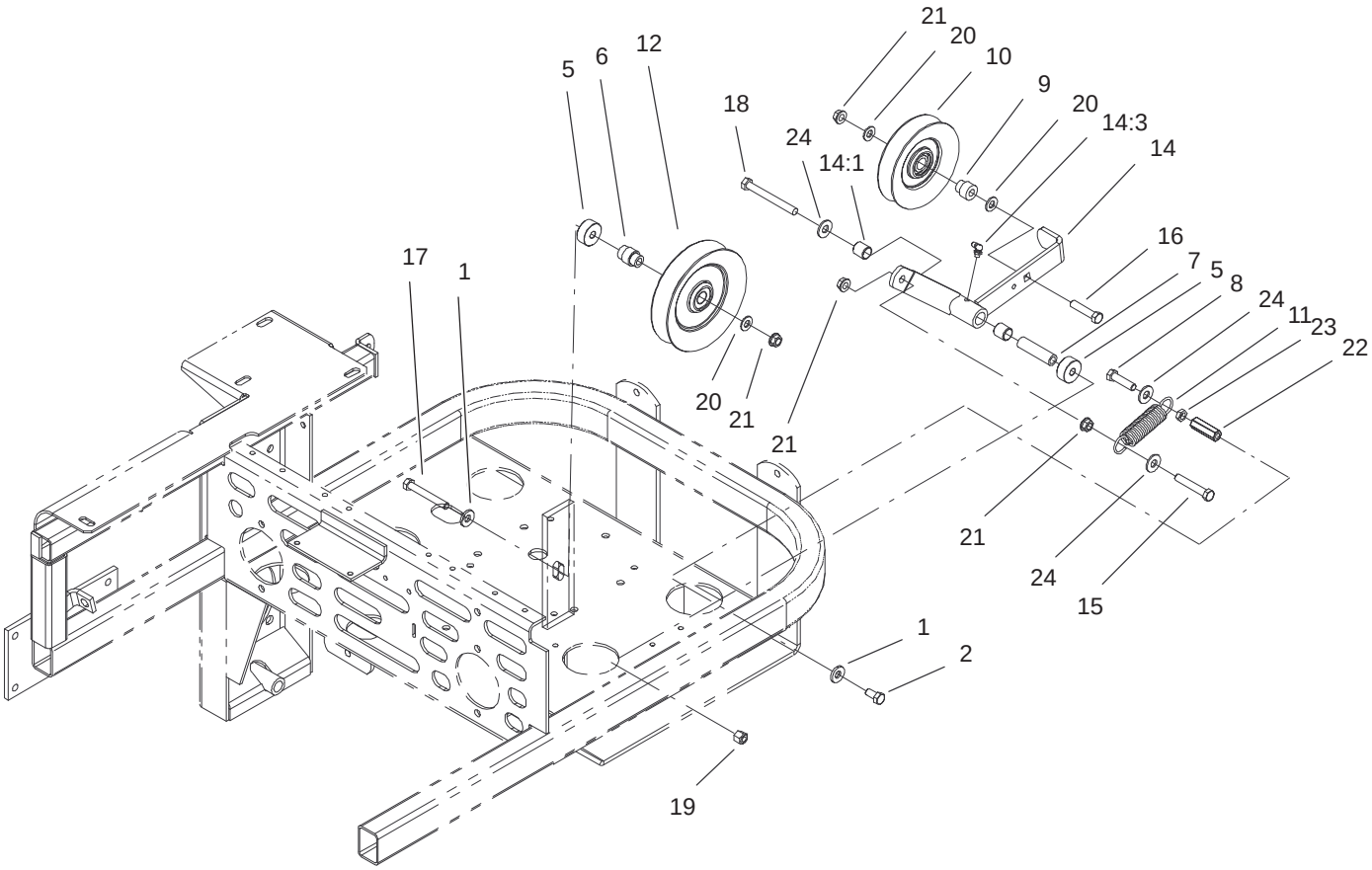


Sheet No.: 9

Deck Connection Assembly

Ref. No.	Part No.	Qty.	Description
1	32128–37	16	Nut–HF
2	1–800811	8	Screw–Cap, HH
3	1–633447	4	Chain–Lift, Deck
4	302–19	4	Fitting–Grease
5	3217–11	2	Nut–Hex
6	3253–8	2	Washer–Lock
7	327–11	2	Screw–HH
8	1–633029	2	Balljoint–Spherical
9	3219–6	2	Nut–Hex
10	103–1072–01	2	Strut
11	1–632199–01	2	Pin–Strut
12	322–3	2	Screw–HH
13	3296–29	2	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description

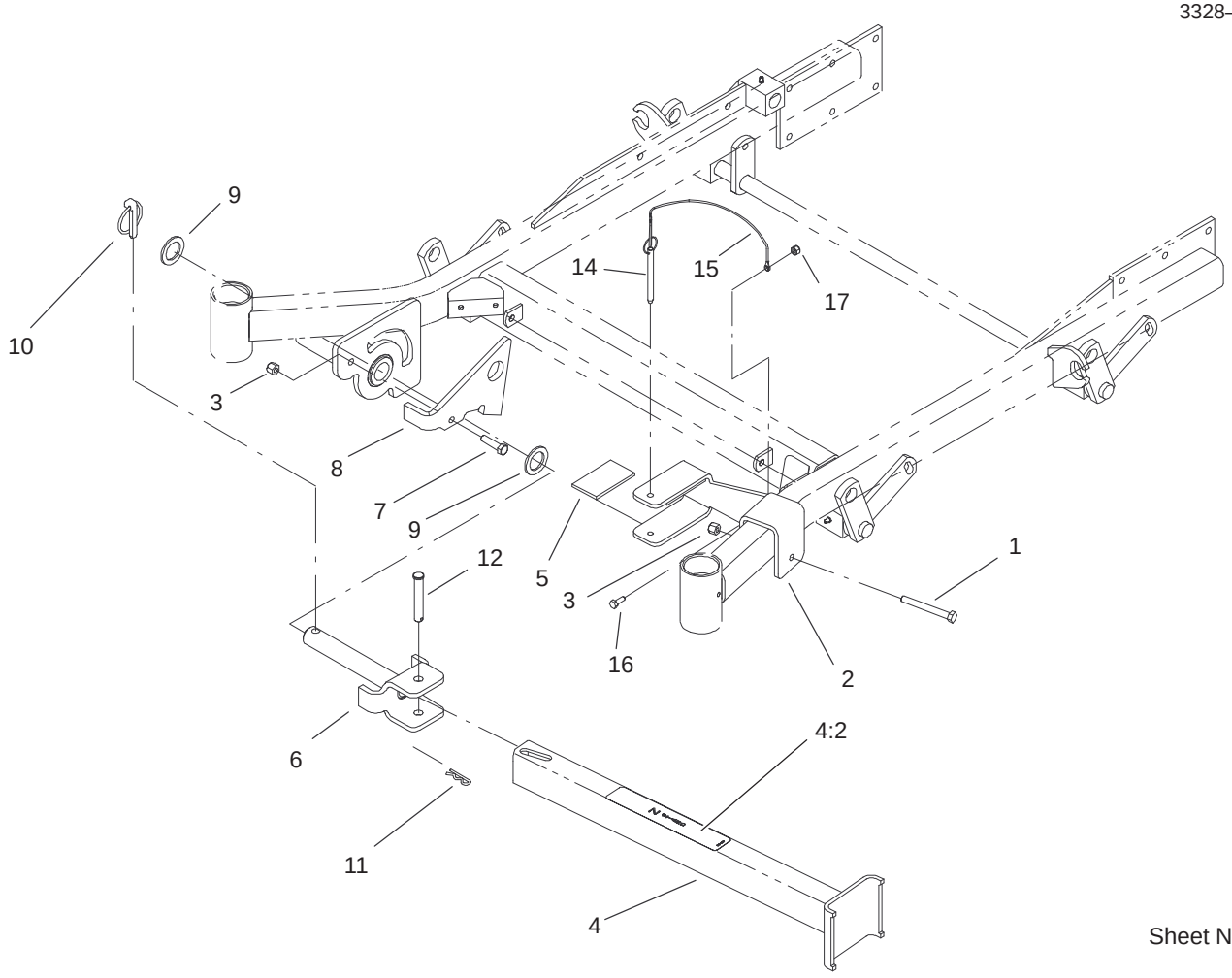


Sheet No.: 10

Drive Idler Assembly

Ref. No.	Part No.	Qty.	Description
1	98–5975	2	Washer–Belleville
2	323–4	1	Screw–HH
5	103–2956	2	Spacer–Idler
6	103–2627	1	Bushing–Idler
7	1–603384	1	Bushing–Pivot, Idler
8	323–8	1	Screw–HH
9	1–603496	1	Bushing–Idler
10	99–4638	1	Idler
11	1–603402	1	Spring–Extension
12	1–633166	1	Pulley–Idler
14	99–4677	1	Idler Arm ASM
14:1	1–513034	2	Sleeve–Bearing
14:3	302–40	1	Fitting–Grease
15	323–11	2	Screw–HH
16	323–9	1	Screw–HH
17	323–20	1	Screw–HH
18	323–16	1	Screw–HH
19	3296–39	1	Nut–Lock, NI
20	3256–24	3	Washer–Flat
21	3290–357	4	Nut–HHF
22	103–3286	1	Nut–Coupling
23	3218–3	1	Nut–Jam
24	3256–4	3	Washer–Flat

Ref. No.	Part No.	Qty.	Description

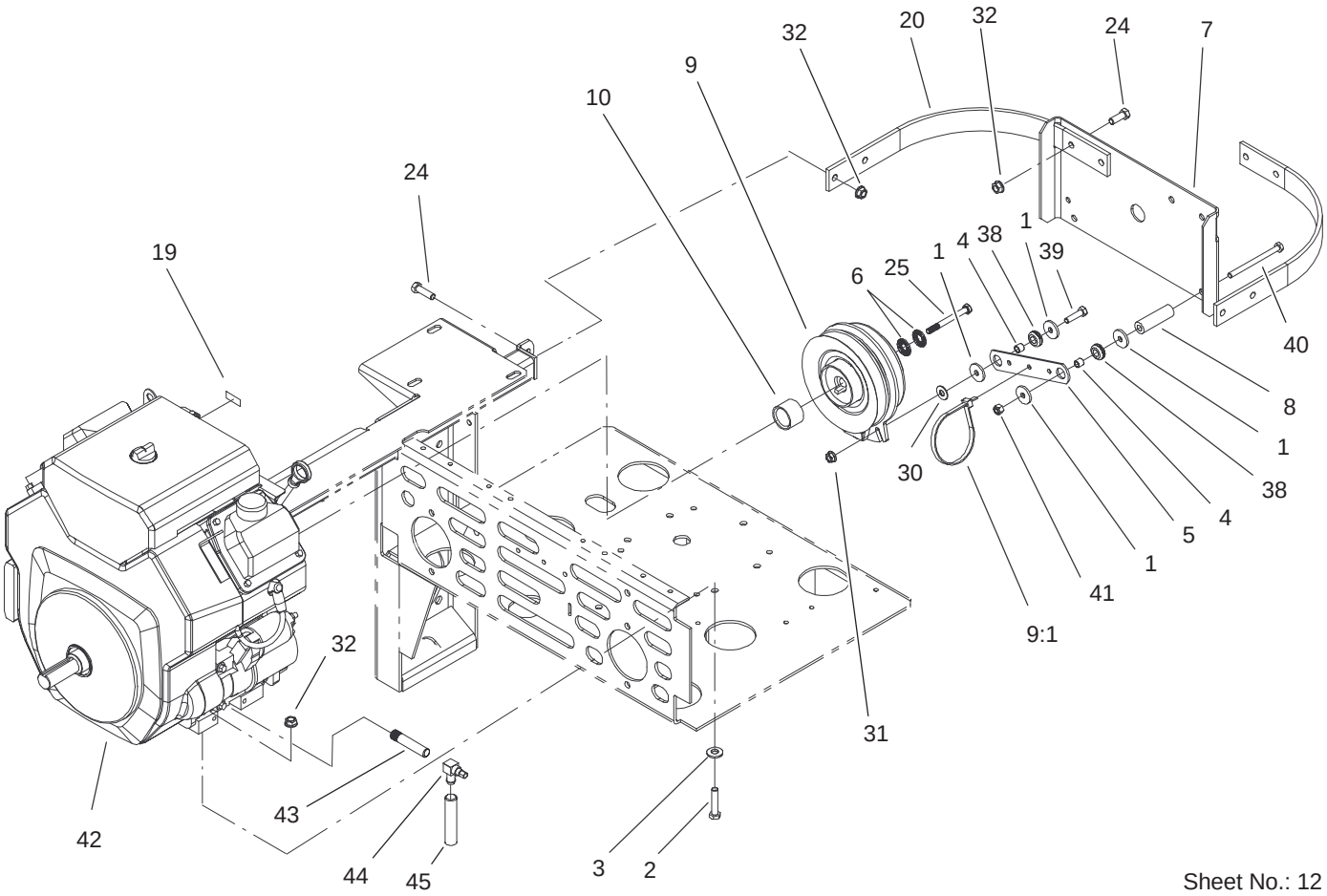


Sheet No.: 11

Z–Stand Assembly

Ref. No.	Part No.	Qty.	Description
1	323–20	1	Screw–HH
2	100–6542–01	1	Bracket–Cradle
3	3296–39	2	Nut–Lock, NI
4	100–6545	1	Leg ASM
4:2	104–7758	1	Decal–Z Stand
5	283–55	1	Pin–Clevis
6	100–9692–01	1	Pivot Pin ASM
7	323–8	1	Screw–HH
8	100–9686–01	1	Bracket–Latch
9	3–6781	2	Washer–Thrust
10	283–71	1	Pin–Lynch
11	3290–355	1	Pin–Hair
12	100–6547	2	Cushion–Rubber
14	105–1647	1	Pin–Hitch, Cotterless
15	100–9385	1	Lanyard–Nylon
16	321–4	1	Screw–HH
17	3296–42	1	Nut–Lock, NI

Ref. No.	Part No.	Qty.	Description



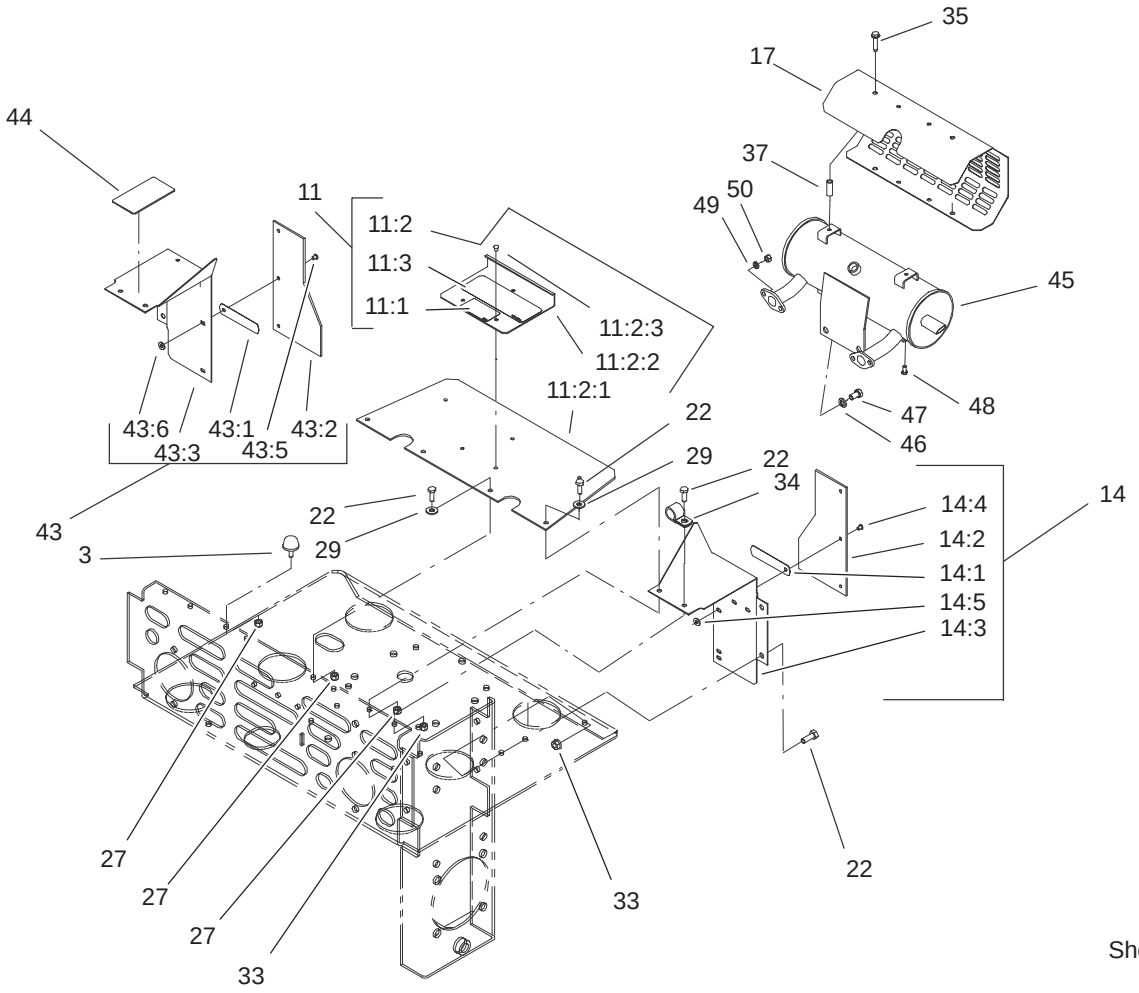
Sheet No.: 12

Engine and Clutch Assembly

Ref. No.	Part No.	Qty.	Description
1	1–613235	4	Washer
2	323–9	4	Screw–HH
3	98–5975	4	Washer–Belleville
4	1–633545	2	Spacer–Grommet
5	1–633543–03	1	Strap–Clutch, Brake
6	1–603610	2	Washer–Spring
7	1–633615–03	1	Guard–Clutch
8	1–633988	1	Spacer–Anchor, Clutch
9	103–1364	1	Clutch
9:1	1–303335	1	Tie–Plastic
10	1–633179	1	Spacer–Clutch
19	103–3270	1	Decal,3750 Rpm
20	1–643264–03	2	Bracket–Guard, Top
24	323–6	6	Screw–HH
25	3212–6	1	Screw–HH
30	3256–3	1	Washer–Flat
31	32128–20	1	Nut–HF
32	3290–357	8	Nut–HHF
38	1–633630	2	Grommet–Brake
39	322–6	1	Screw–HH
40	322–19	1	Screw–HH
41	3296–29	1	Nut–Lock, NI
☆42		1	Engine–Kawasaki, Fh721d As–05
43	103–1966	1	Adapter

Ref. No.	Part No.	Qty.	Description
44	103–1965	1	Valve–Drain, Oil
45	103–1964	1	Hose–Drain, Oil

☆ Not serviced separately

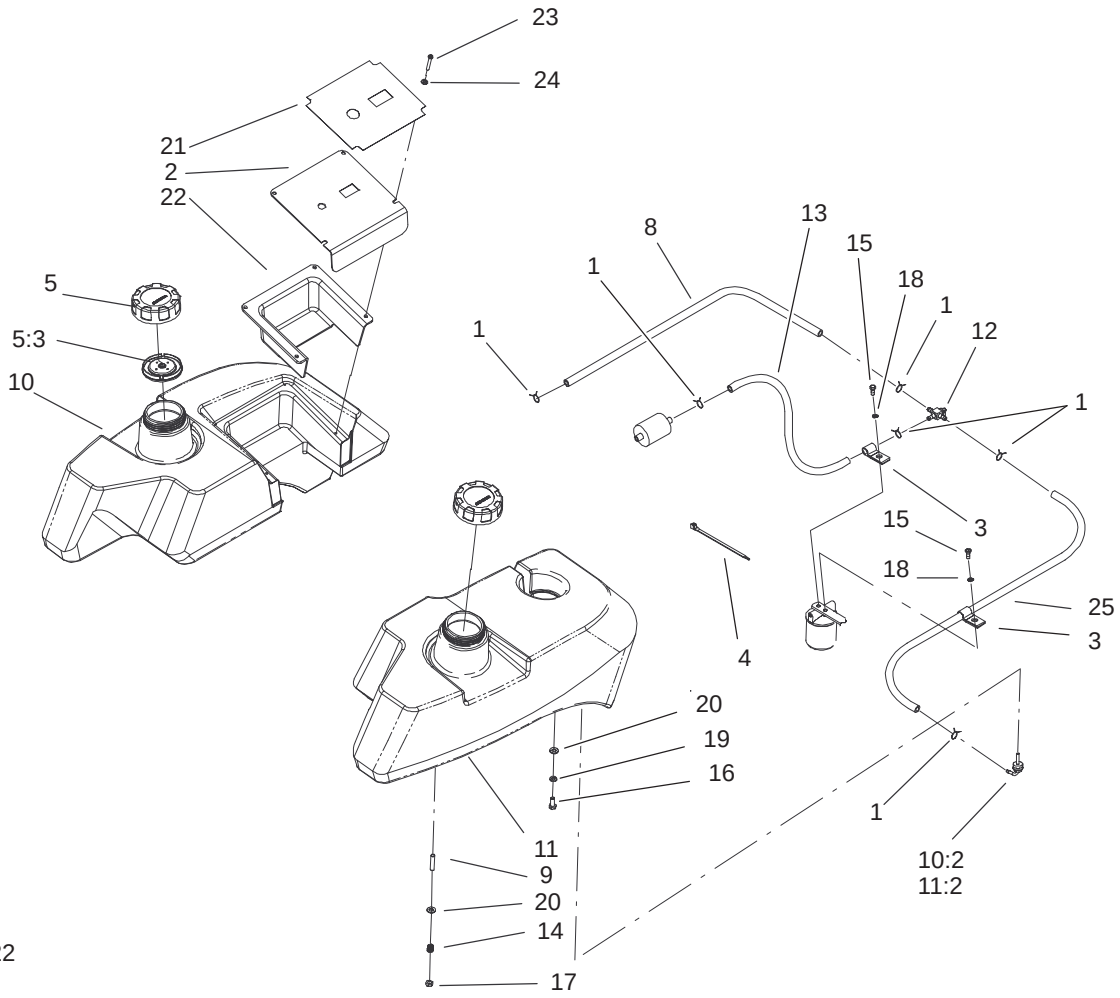


Sheet No.: 13

Guard Assembly

Ref. No.	Part No.	Qty.	Description
3	1–523420	2	Bumper
11	105–6196	1	Shield ASM
11:1	1–633462	1	Decal–Important
11:2	103–1301	1	Drive Cover ASM
11:2:1	103–1308	1	Shield–Engine
11:2:2	103–1304–03	1	Plate–Cover, Drive
11:2:3	1–803035	5	Rivet–Pop
11:3	103–0368	1	Decal–Devices, Rotating
14	103–0241	1	LH Extended Shield ASM
14:1	1–523285	2	Clip–Baffle, Rear
14:2	103–0243	1	Shield
14:3	1–633795–03	1	Baffle–Engine Shield, LH
14:4	1–803035	3	Rivet–Pop
14:5	3256–63	3	Washer–Flat
17	1–643313–03	1	Guard–Muffler
22	321–4	10	Screw–HH
27	3296–42	6	Nut–Lock, NI
29	3256–2	4	Washer–Flat
33	32128–33	5	Nut–HF
34	1–633396	1	Clip–Loom
35	1–809108	2	Screw–HWH
37	1–323236	2	Spacer

Ref. No.	Part No.	Qty.	Description
43	103–0242	1	RH Extended Shield ASM
43:1	1–523285	2	Clip–Baffle, Rear
43:2	103–0243	1	Shield
43:3	1–633794–03	1	Baffle–Engine Shield, RH
43:5	1–803035	3	Rivet–Pop
43:6	3256–63	3	Washer–Flat
44	1–643339	1	Decal–Routing, Belt
45	103–2758	1	Muffler
46	3253–6	2	Washer–Lock
47	324–2	2	Screw–HH
48	9266934	2	Screw
49	1–805005	4	Washer–Lock
50	33014–00	4	Nut–Hex

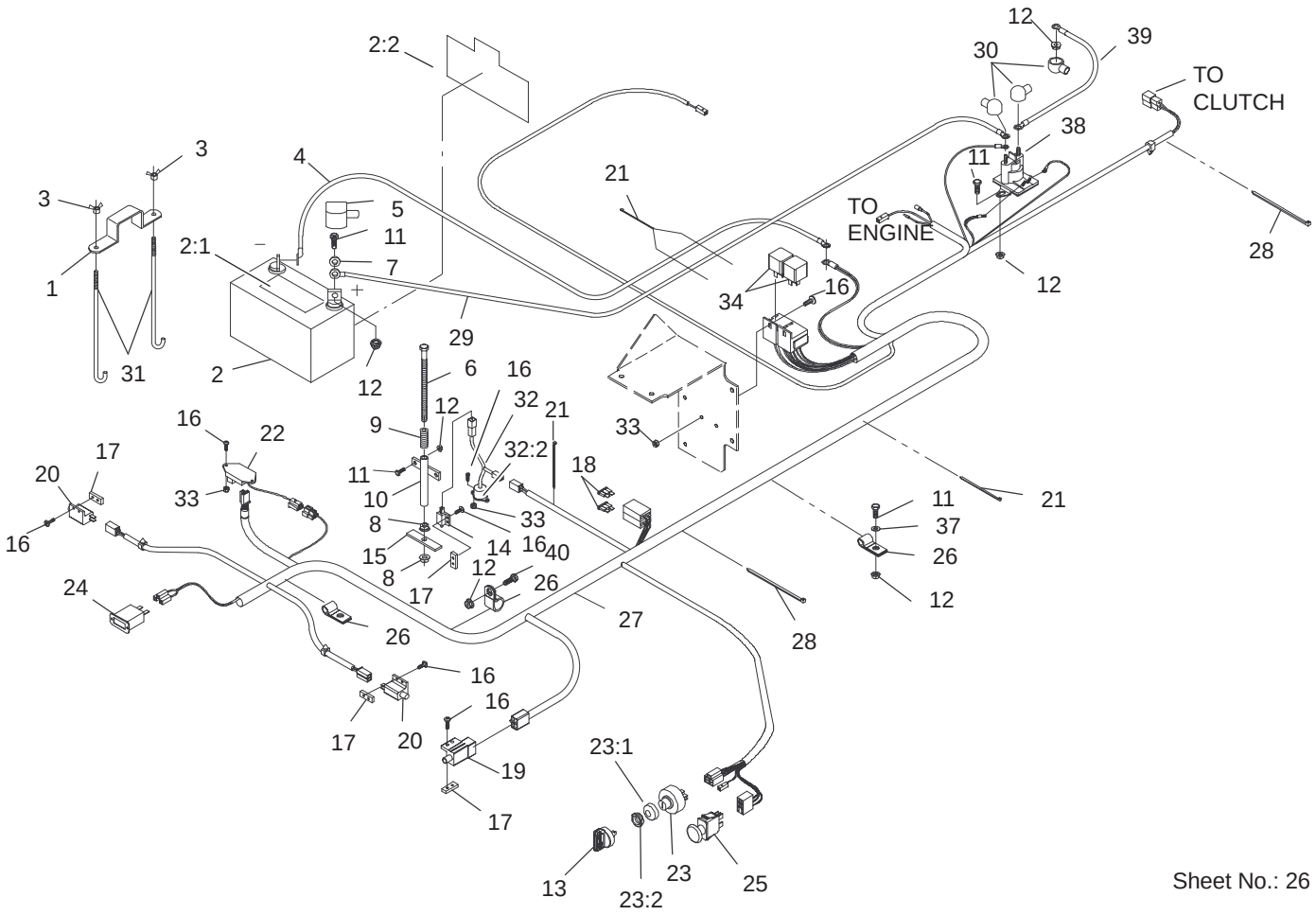


Sheet No.: 22

Fuel System Assembly

Ref. No.	Part No.	Qty.	Description
1	1–303077	6	Clamp
2	99–4656–03	1	Panel–Control
3	1–513762	2	Clip–Loom
4	1–303335	1	Tie–Plastic
5	88–3980	2	Gas Cap ASM
5:3	88–4010	1	Gasket–Cap, Gas
8	1–543456	1	Hose–Fuel
9	1–633023	6	Stud
10	105–3629	1	LH Fuel Tank ASM
10:2	103–2605	1	Fitting–Fuel, Bulkhead
11	105–3628	1	RH Fuel Tank ASM
11:2	103–2605	1	Fitting–Fuel, Bulkhead
12	1–633347	1	Valve–Fuel
13	103–0216	1	Hose
14	1–633349	6	Spring–Tank, Fuel
15	321–3	2	Screw–HH
16	322–3	2	Screw–HH
17	3296–47	6	Nut–Lock, NI
18	1–805004	2	Washer–Lock
19	1–805005	2	Washer–Lock
20	3256–23	8	Washer–Flat
21	99–4632	1	Decal–Panel, Control
22	99–4940	1	Shield–Panel, Control
23	1–803071	4	Screw
24	1–303435	4	Washer–Spring
25	103–2885	1	Hose–Fuel

Ref. No.	Part No.	Qty.	Description

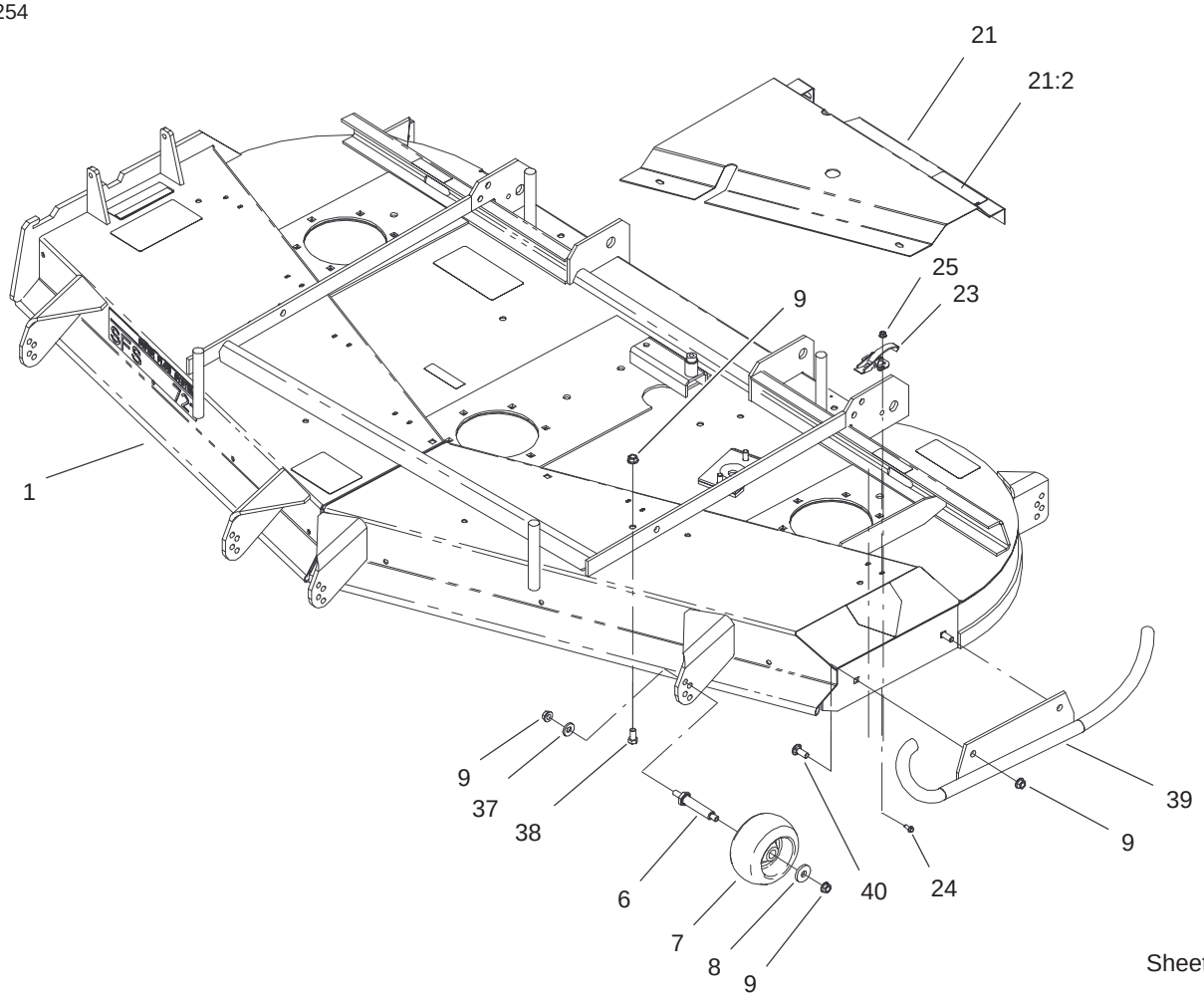


Sheet No.: 26

Electrical System Assembly

Ref. No.	Part No.	Qty.	Description
1	1–633652–03	1	Strap–Holddown
2	105–1692	1	Battery
2:1	104–4163	1	Decal–Battery
2:2	104–4164	1	Decal–Battery
3	1–543792	2	Wingnut
4	1–633307	1	Wire–Ground
5	1–543391	1	Insulator–Battery
6	1–800282	1	Screw–HH
7	3256–2	2	Washer–Flat
8	32128–20	2	Nut–HF
9	1–523415	1	Spring–Switch, Seat
10	1–522424–03	1	Mount–Spring, Seat
11	321–4	8	Screw–HH
12	32128–33	8	Nut–HF
13	63–8360	2	Key–Ignition
14	1–513152	1	Switch–Closed, Normally
15	1–513180	1	Plate–Switch, Seat
16	3290–500	14	Screw–PPH
17	1–633181	4	Plate–Tapped
18	1–816001	2	Fuse–Type, Blade
19	1–633111	1	Switch
20	1–513051	2	Switch–Open, Normally
21	1–303287	5	Tie–Plastic
22	100–6186	1	Module–Delay, Seat

Ref. No.	Part No.	Qty.	Description
23	88–9830	1	Key Switch ASM
23:1	3254–5	1	Washer–Tooth
23:2	218–461	1	Nut–HH
24	1–513374	1	Meter–Hour
25	1–633673	1	Switch–Delta
26	1–633396	3	Clip–Loom
27	105–3191	1	Harness–Wire
28	1–303335	2	Tie–Plastic
29	1–523281	1	Wire–Starter
30	1–543393	3	Insulator–Solenoid
31	1–633651	2	Bolt–Holddown
32	1–644427	1	Tilt Switch ASM
32:2	1–643401	1	Decal–Switch, Mercury
33	3296–2	6	Nut–Lock
34	1–643275	2	Relay
37	3256–22	1	Washer–Flat
38	1–513075	1	Switch–Solenoid
39	1–633306	1	Wire–Starter
40	321–2	1	Screw–HH

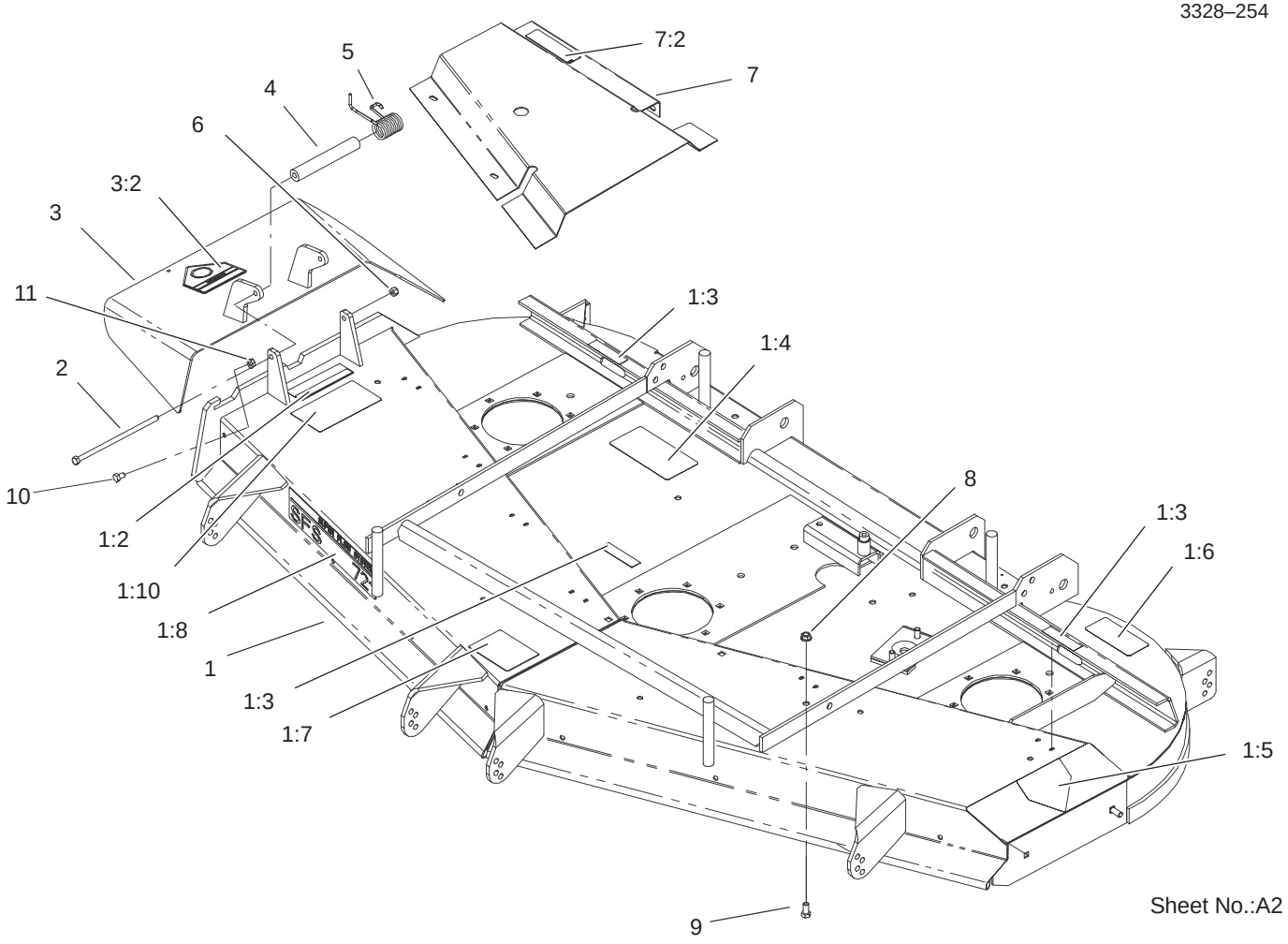


Sheet No.:71

Deck and Roller Assembly

Ref. No.	Part No.	Qty.	Description
1	105–1698	1	Deck ASM
6	99–2842	6	Spacer
7	68–2730	6	Wheel–Gage
8	1–373034	6	Washer
9	3290–357	18	Nut–HHF
15	104–8554	1	Spring–Torsion
16	105–3605	1	Deflector ASM
16:2	93–1122	1	Decal–Danger
18	322–50	1	Screw–HH
19	3296–29	1	Nut–Lock, NI
20	100–6527	1	RH Cover ASM
20:2	67–5360	1	Decal–Danger
21	99–2623	1	LH Cover ASM
21:2	67–5360	1	Decal–Danger
23	249–21	4	Clamp–Slotted
24	3290–321	8	Screw–HWH
25	32128–17	8	Nut–Lock, Flange
37	98–5975	6	Washer–Belleville
38	323–2	6	Screw–HH
39	98–7923–01	1	Skid
40	3231–21	2	Screw–CARR
41	105–4622	1	Spacer

Ref. No.	Part No.	Qty.	Description



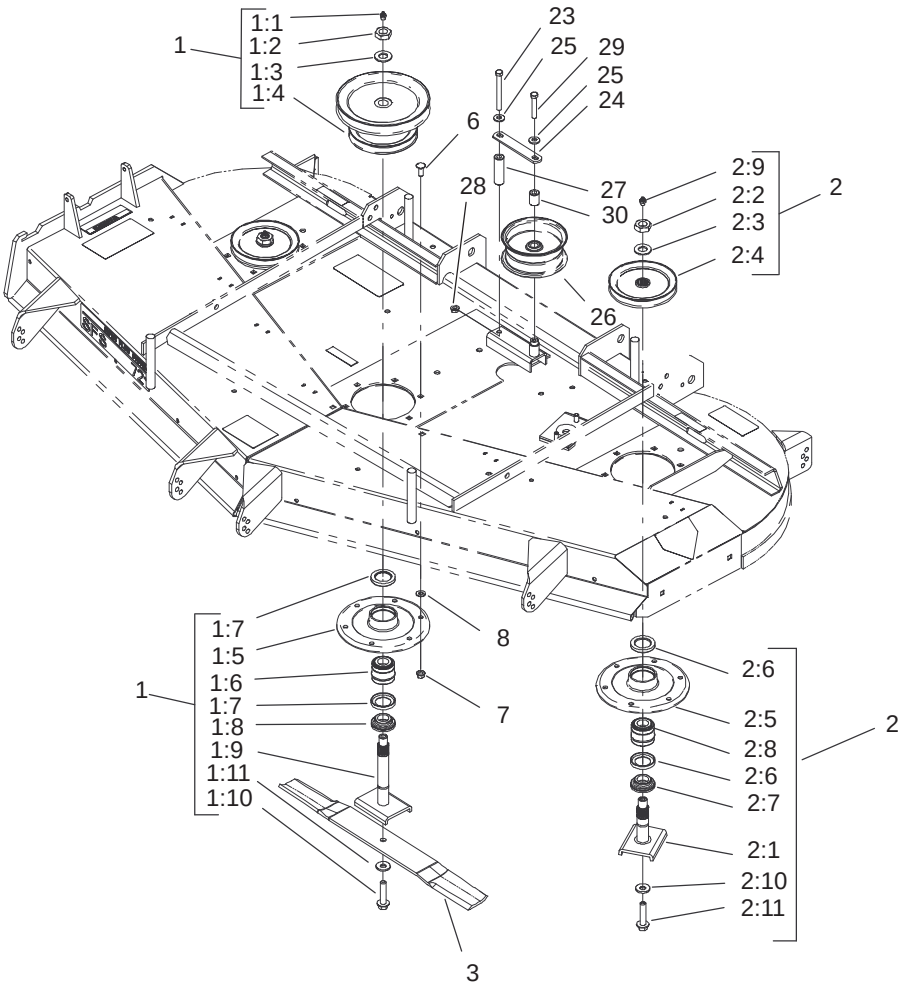
Sheet No.:A2

Deck Assembly No. 105–1698

Ref. No.	Part No.	Qty.	Description
☆1		1	Deck ASM
1:2	104–8569	1	Decal–Warning
1:3	98–5954	3	Decal–Missing, Cover
1:4	99–4686	1	Decal–Routing, Belt
1:5	43–8480	1	Decal–Danger
1:6	93–7818	1	Decal–Torque, Blade Bolt
1:7	98–3798	1	Decal–Wheel, Gage
1:8	98–5995	1	Decal–Deck
1:10	66–1340	1	Decal–Danger
2	322–50	1	Screw–HH
3	105–3605	1	Deflector ASM
3:2	93–1122	1	Decal–Danger
4	105–4622	1	Spacer
5	104–8554	1	Spring–Torsion
6	3296–29	1	Nut–Lock, NI
7	100–6527	1	RH Cover ASM
7:2	67–5360	1	Decal–Danger
8	3290–357	6	Nut–HHF
9	323–2	6	Screw–HH
10	322–1	1	Screw–HH
11	32128–20	1	Nut–HF

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

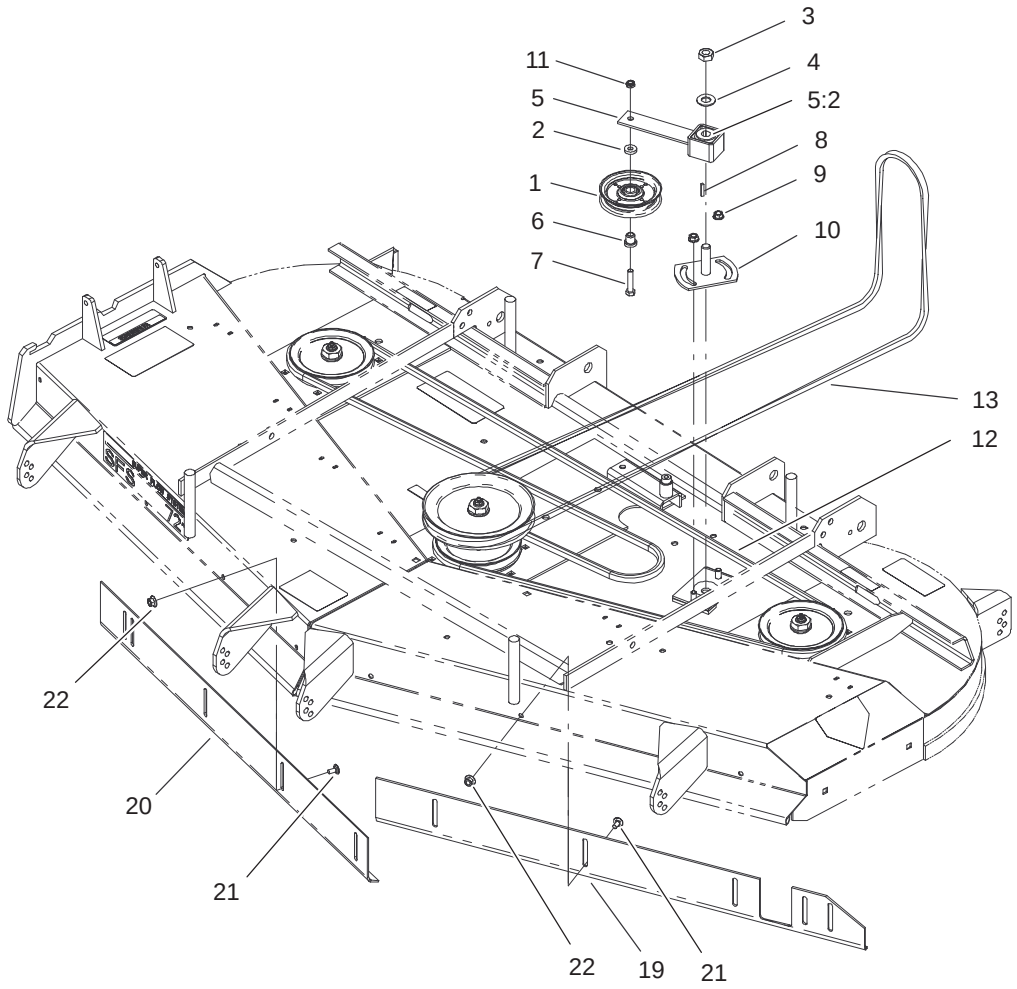


Sheet No.: 72

Spindle and Pulley Assembly

Ref. No.	Part No.	Qty.	Description
1	105–1690	1	Spindle Housing ASM
1:1	302–2	1	Fitting–Grease
1:2	32146–20	1	Nut–Jam
1:3	92–5836	1	Washer
1:4	99–4626	1	Pulley ASM
1:5	61–4160	1	Housing
1:6	46–8530	1	Bearing ASM
1:7	253–139	2	Seal–Oil
1:8	27–0950	1	Spacer
1:9	105–1686	1	Spindle Shaft ASM
1:10	92–5816	1	Bolt–Blade
1:11	1–513435	1	Washer–Spring
2	99–4642	2	Outer Spindle ASM
2:1	27–0920	1	Shaft
2:2	32146–20	1	Nut–Jam
2:3	7–4150	1	Washer
2:4	99–4615	1	Pulley And Hub ASM
2:5	61–4160	1	Housing
2:6	253–139	2	Seal–Oil
2:7	27–0950	1	Spacer
2:8	46–8530	1	Bearing ASM
2:9	302–2	1	Fitting–Grease
2:10	1–513435	1	Washer–Spring
2:11	92–5816	1	Bolt–Blade
3	94–1861	3	Blade
6	3231–22	18	Screw–CARR

Ref. No.	Part No.	Qty.	Description
7	32128–21	18	Nut–HF
8	3256–24	4	Washer–Flat
23	323–42	1	Screw–HH
24	1–653189	1	Plate
25	98–5975	2	Washer–Belleville
26	1–413099	1	Pulley–Idler
27	99–4659	1	Spacer–Bracket
28	3290–357	1	Nut–HHF
29	323–11	1	Screw–HH
30	1–653190	1	Spacer



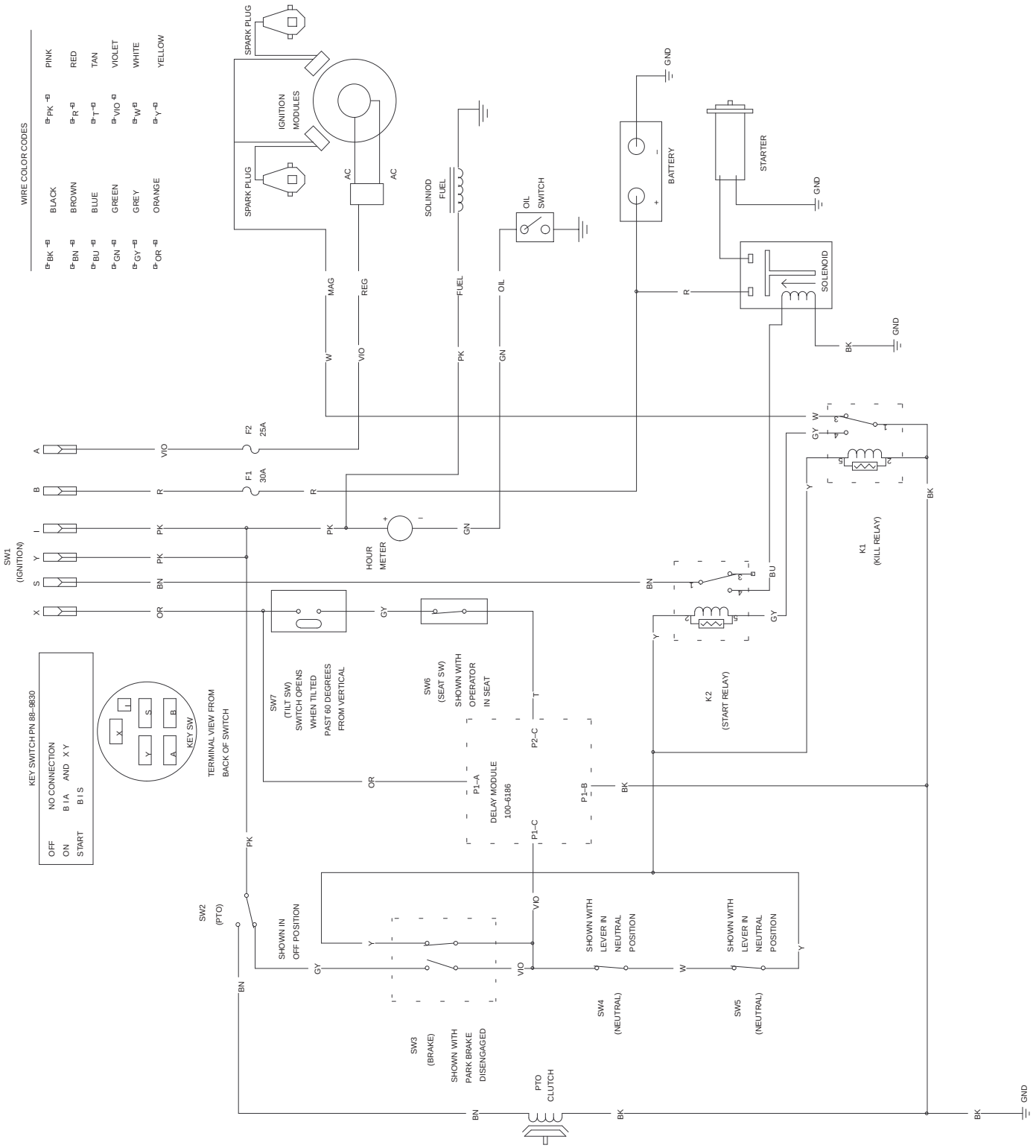
Sheet No.: 73

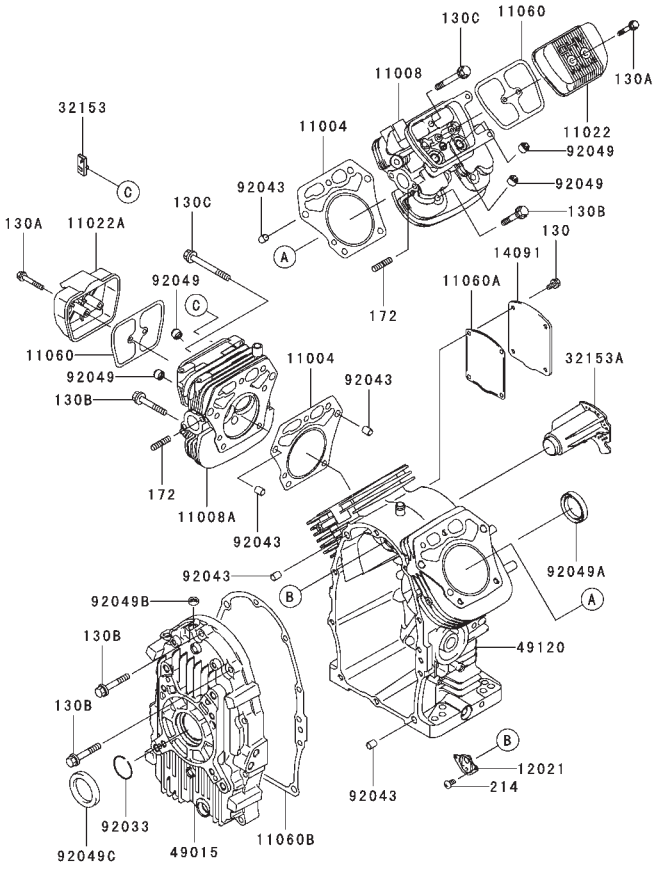
Belt and Idler Arm Assembly

Ref. No.	Part No.	Qty.	Description
1	65–5940	1	Pulley–Idler
2	7–0081	1	Washer–Flat
3	3296–33	1	Nut–Lock, NI
4	3256–27	1	Washer–Flat
5	27–8580	1	Idler Arm ASM
5:2	27–8490	1	Bushing–Rubber
6	65–5950	1	Bushing–Pulley
7	3211–8	1	Screw–HH
8	5–1077	1	Key–Square
9	3290–357	2	Nut–HHF
10	44–6300	1	Plate–Idler
11	3296–5	1	Nut–Lock, NI
12	57–0240	1	V–Belt
13	99–4627	1	V–Belt
19	99–5156–03	1	Baffle–Front, LH
20	93–3215–03	1	Baffle–Front, RH
21	3230–18	8	Screw–CARR
22	32128–20	8	Nut–HF

Ref. No.	Part No.	Qty.	Description

Electrical Schematic



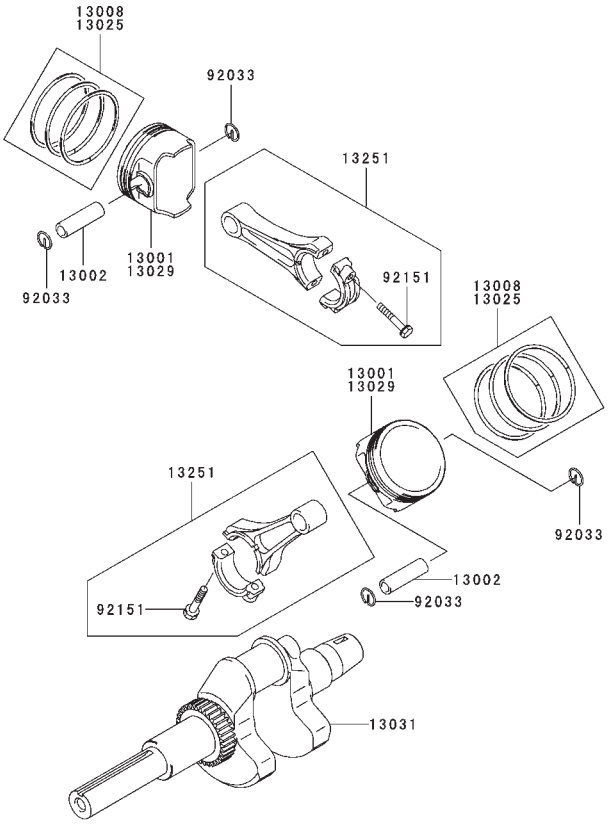


Cylinder/Crankcase Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
11004	11004–7004	2	Gasket–Head
11008	11008–7004	1	Head–Comp Cylinder #2
11008A	11008–7007	1	Head–Comp Cylinder #1
11022	11022–7002	1	Case–Rocker
11022A	11022–7004	1	Case–Rocker
11060	11060–7013	2	Gasket–Rocker, Case
11060A	11060–7014	1	Gasket–Breather
11060B	11060–7023	1	Gasket–Crankcase
12021	12021–7002	1	Reed Valve ASM
14091	14091–7004	1	Cover
32153	32153–7003	1	Pipe
32153A	32153–7004	1	Pipe
49015	49015–6234	1	Cover–Crankcase
49120	49120–6135	1	Crankcase–Comp
92033	92033–7004	1	Ring–Snap
92043	92043–7001	6	Pin
92049	92049–7001	4	Seal–Oil
92049A	92049–7002	1	Seal–Oil
92049B	92049–7005	1	Seal–Oil
92049C	92049–7007	1	Seal–Oil
130	130B0612	4	Bolt–Flanged
130A	130B0640	4	Bolt–Flanged

Ref. No.	Part No.	Qty.	Description
130A	130B0640	4	Bolt–Flanged
130B	130T0850	18	Bolt–Flanged
130C	130T0875	2	Bolt–Flanged
172	172G0818	4	Bolt–Stud
214	214B0408	2	Screw–Pan

Obtain Parts From Kawasaki

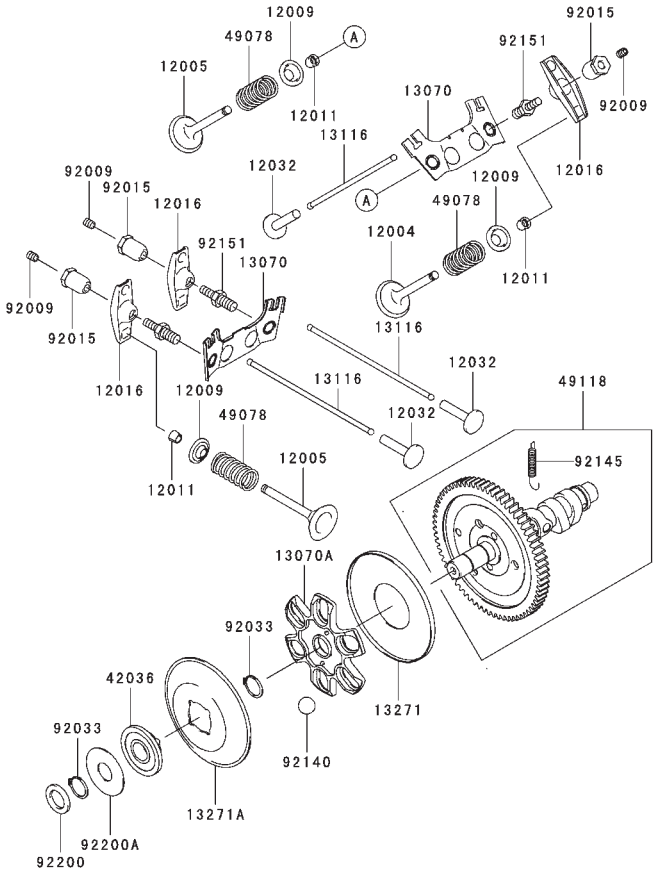


Piston/Crankshaft Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
13001	13001–7007	2	Piston–Engine
13002	13002–7001	2	Pin–Piston
13008	13008–6058	2	Ring Set–Piston
13025	13025–7002	AR	Ring Set–Piston L,0.50
13029	13029–7003	AR	Piston–Engine L,0.50
13031	13031–7007	1	Crankshaft–Comp
13251	13251–7005	2	Connecting Rod ASM
92033	92033–7005	4	Ring–Snap
92151	92151–7017	4	Bolt

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

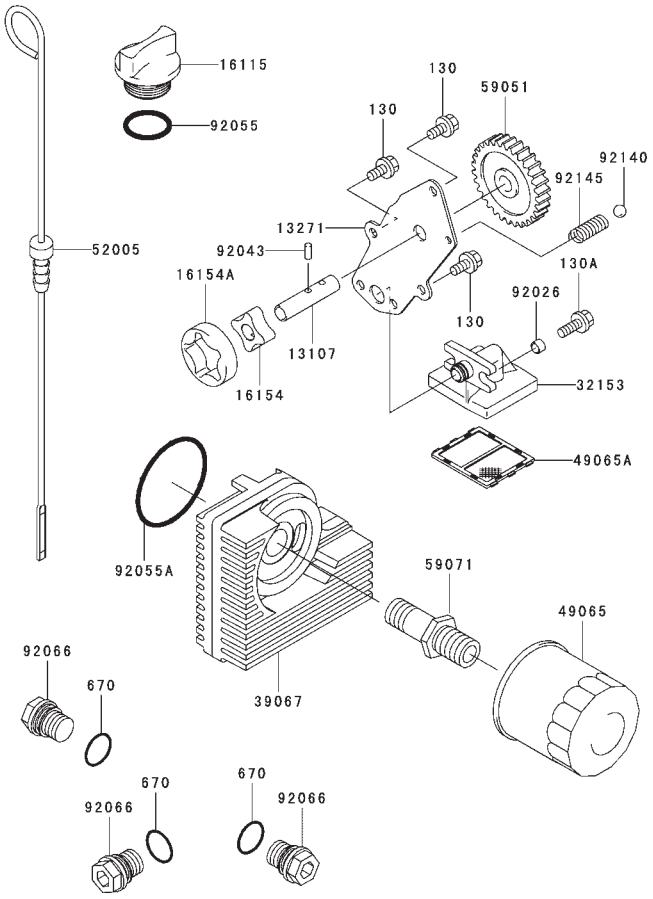


Valve/Camshaft Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
12004	12004–7002	2	Valve–Intake
12005	12005–7002	2	Valve–Exhaust
12009	12009–7001	4	Retainer–Valve Spring
12011	12011–2056	8	Collet
12016	12016–7006	4	Arm–Rocker
12032	12032–7001	4	Tappet
13070	13070–7007	2	Guide
13070A	13070–7008	1	Arm–Rocker
13116	13116–7002	4	Rod–Push
13271	13271–7007	1	Plate
13271A	13271–7021	1	Plate
42036	42036–7001	1	Sleeve
49078	49078–7002	4	Spring–Engine Valve
49118	49118–7007	1	Camshaft–Comp
92009	92009–2341	4	Screw
92015	92015–2253	4	Nut
92033	92033–7001	2	Ring–Snap
92140	92140–7002	6	Ball
92145	92145–7001	1	Spring
92151	92151–7019	4	Bolt
92200	92200–7001	1	Washer
9200A	92200–7009	1	Washer

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

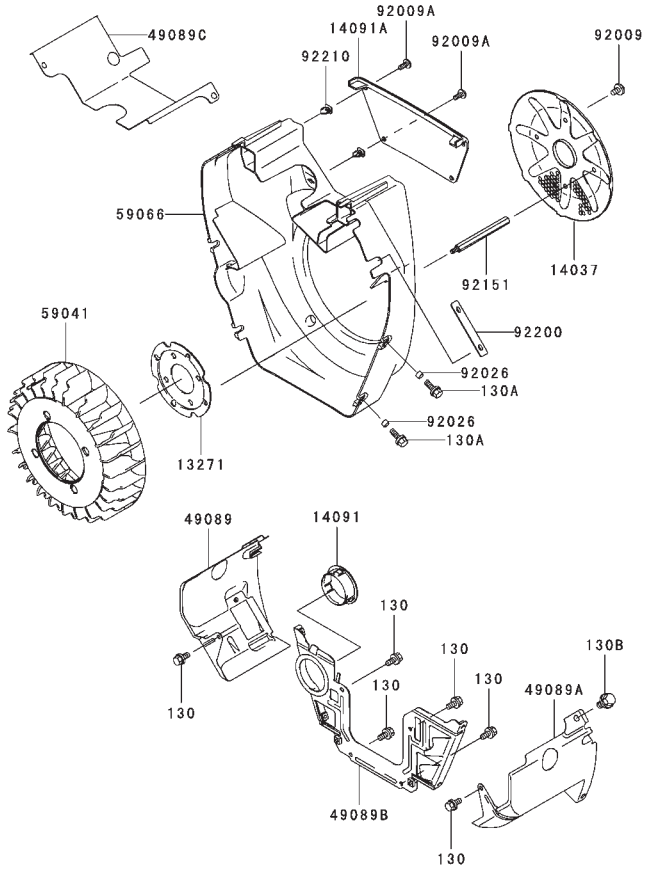


Lubrication Equipment Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
13107	13107–7009	1	Shaft
13271	13271–7014	1	Plate
16115	16115–7001	1	Cap–Oil Filter
16154	16154–2053	1	Rotor–Pump, In
16154A	16154–2054	1	Rotor–Pump, Out
32153	32153–7002	1	Pipe
39067	39067–7001	1	Cooler–Oil
49065	49065–2078	1	Filter–Oil
49065A	49065–7005	1	Filter–Oil
52005	52005–7003	1	Guage
59051	59051–7004	1	Gear–Spur
59071	59071–7009	1	Joint
92026	92026–7001	2	Spacer
92043	92043–7003	1	Pin
92055	92055–7004	1	O–Ring
92055A	92055–7006	1	O–Ring
92066	92066–7003	3	Plug
92140	92140–7003	1	Ball
92145	92145–7002	1	Spring
130	130B0612	3	Bolt–Flanged
130A	130B0616	2	Bolt–Flanged
670	670D2016	3	O–Ring, 16mm

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

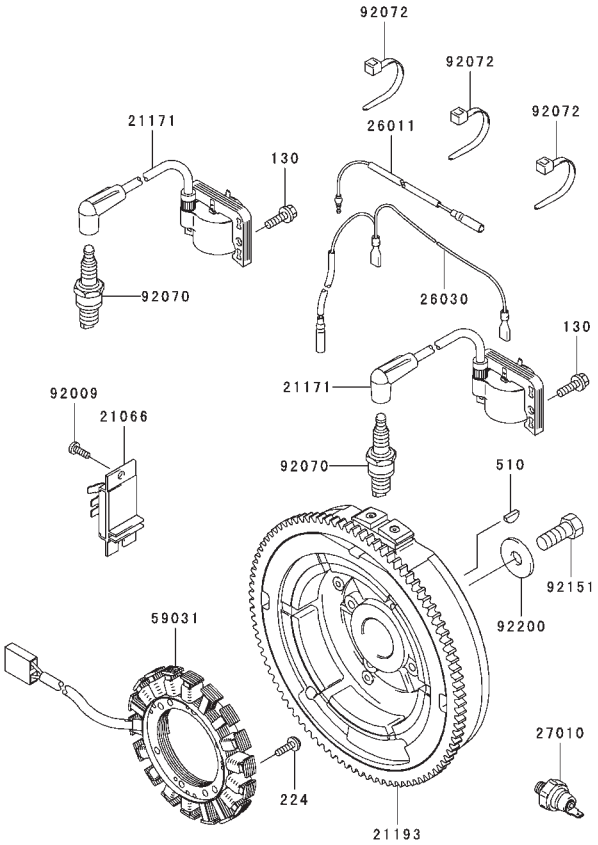


Cooling Equipment Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
13271	13271–7015	1	Plate
14037	14037–7014	1	Screen
14091	14091–7002	1	Cover
14091A	14091–7005	1	Cover
49089	49089–7004	1	Shroud–Engine
49089A	49089–7005	1	Shroud–Engine
49089B	49089–7015	1	Shroud–Engine
49089C	49089–7019	1	Shroud–Engine
59041	59041–7004	1	Fan
59066	59066–7005	1	Housing–Fan
92009	92009–7008	4	Screw
92009	92009–7009	4	Screw
92026	92026–7001	4	Spacer
92151	92151–7018	4	Bolt
92200	92200–7011	1	Washer
92210	92210–7011	4	Nut
130	130B0612	2	Bolt–Flanged
130A	130B616	4	Bolt–Flanged
130B	130B0816	2	Bolt–Flanged

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

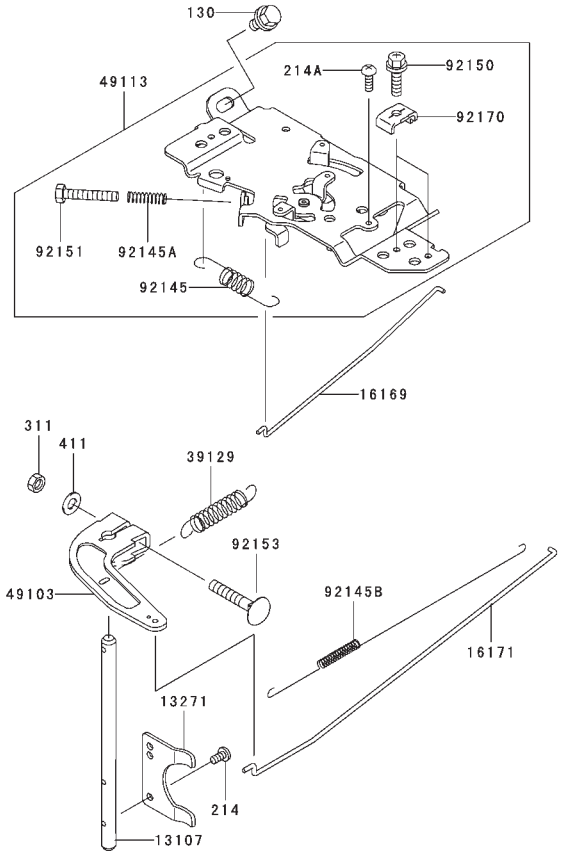


Electric Equipment Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
21066	21066–7003	1	Regulator–Voltage
21171	21171–7001	2	Ignition Coil ASM
21193	21193–7014	1	Flywheel ASM
26011	26011–7008	1	Wire–Lead
26030	26030–7002	1	Harness
27010	27010–7001	1	Switch
59031	59031–7001	1	Coil–Charging
92009	92009–2308	1	Screw
92070	92070–7004	2	Plug–Spark
92072	92072–7003	3	Band
92151	92151–2097	1	Bolt
92200	92200–7002	1	Washer
130	130B0620	4	Bolt–Flanged
224	224B0520	4	Screw–Pan
510	510A5100	1	Key–Woodruff

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

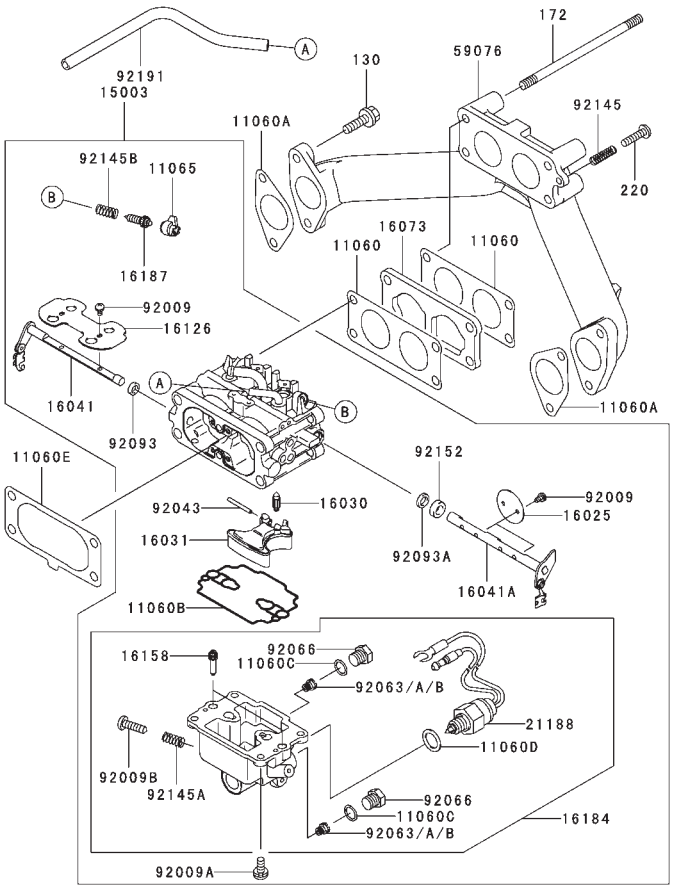


Control Equipment Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
13107	13107–7011	1	Shaft
13271	13271–7018	1	Plate
16169	16169–7008	1	Link–Choke
16171	16171–7005	1	Link
39129	39129–7004	1	Spring–Governor
49103	49103–7004	1	Arm–Governor
49113	49113–7015	1	Panel–Comp–Control
92145	92145–7004	1	Spring
92145A	92145–7005	1	Spring
92145B	92145–7014	1	Spring
92150	92150–2182	2	Bolt
92151	92151–7014	1	Bolt
92153	92153–7005	1	Bolt
92170	92170–7001	2	Clamp
130	130B0612	2	Bolt–Flanged
214	214B0408	2	Screw–Pan
214A	214B0412	1	Screw–Pan
311	311B0600	1	Nut–Hex
411	411B0600	1	Washer

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

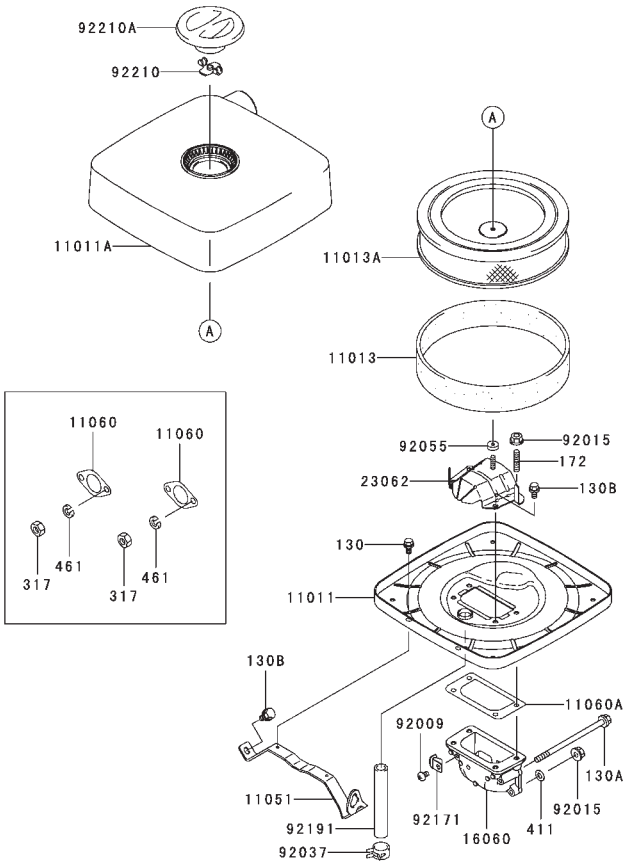


Carburetor Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
11060	11060–7010	2	Gasket–Carburetor
11060A	11060–7011	2	Gasket–Manifold
11060B	11060–7018	1	Gasket–Float Chamber
11060C	11060–7019	2	Gasket–Main Plug
11060D	11060–7020	1	Gasket–Solenoid
11060E	11060–7025	1	Gasket–Air Filter
11065	11065–7004	2	Cap–Limitter
15003	15003–7042	1	Carburetor ASM
16025	16025–7002	2	Valve–Throttle
16030	16030–7002	1	Valve–Float
16031	16031–7001	1	Float
16041	16041–7011	1	Shaft–Carburetor
16041A	16041–7012	1	Shaft–Carburetor
16073	16073–7003	1	Insulator
16126	16126–7004	1	Valve–Choke
16158	16158–7003	2	Jet–Slow #56
16184	16184–7005	1	Float Chamber ASM
16187	16187–7003	2	Needle–Jet
21188	21188–7001	1	Solenoid
59076	59076–7003	1	Manifold–Intake
92009	92009–7003	6	Screw
92009A	92009–7005	4	Screw
92009B	92009–7006	1	Screw–Drain
92043	92043–7004	2	Pin–Float

Ref. No.	Part No.	Qty.	Description
92063	92063–7012	2	Jet–Main #108
92063A	92063–7013	2	Jet–Main #105
92063B	92063–7014	2	Jet–Main #102
92066	92066–7008	2	Plug–Main Jet
92093	92093–7001	1	Seal
92093A	92093–7002	1	Seal
92145	92145–7005	1	Spring
92145A	92145–7011	1	Spring
92145B	92145–7013	2	Spring
92152	92152–7002	1	Collar
92191	92191–7010	1	Tube
130	130B0620	4	Bolt–Flanged
172	172G06105	2	Bolt–Stud
220	220B0520	1	Screw–Pan

Obtain Parts From Kawasaki

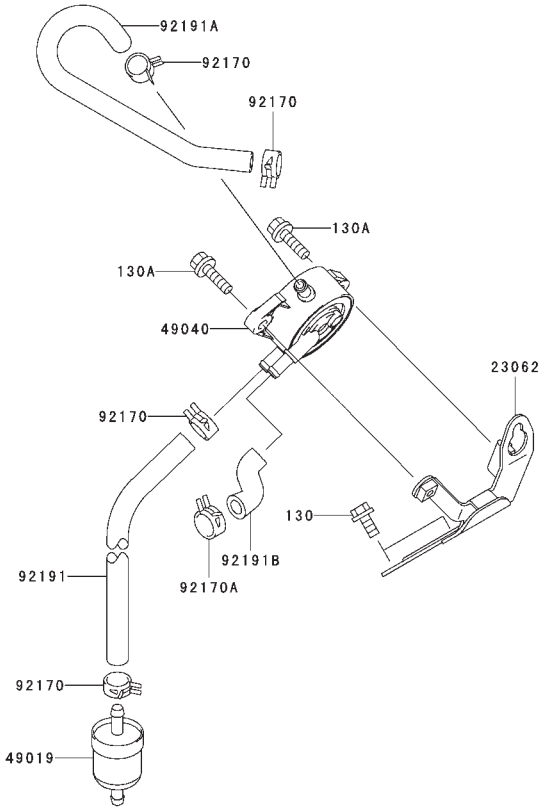


Air Filter/Muffler Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
11011	11011–7004	1	Case–Air Filter
11011A	11011–7005	1	Case–Air Filter
11013	11013–7007	1	Element–Air Filter
11013A	11013–7011	1	Element–Air Filter
11051	11051–7007	1	Bracket
11060	11060–7016	2	Gasket–Muffler
11060A	11060–7022	1	Gasket–A/C Case
16060	16060–7002	1	Pipe–Intake
23062	23062–7006	1	Bracket–Comp
92009	92009–2166	1	Screw
92015	92015–1193	4	Nut
92037	92037–2079	1	Clamp
92055	92055–7005	1	O–Ring
92171	92171–7003	1	Clamp
92191	92191–7020	1	Tube
92210	92210–7004	1	Nut
92210A	92210–7010	1	Nut
130	130B0510	2	Bolt–Flanged
130A	130B0615	2	Bolt–Flanged
130B	130B0612	4	Bolt–Flanged
172	172G0612	2	Bolt–Stud
317	317R0800	4	Nut–Hex
411	411B0600	1	Washer
461	461F0800	4	Washer–Spring

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

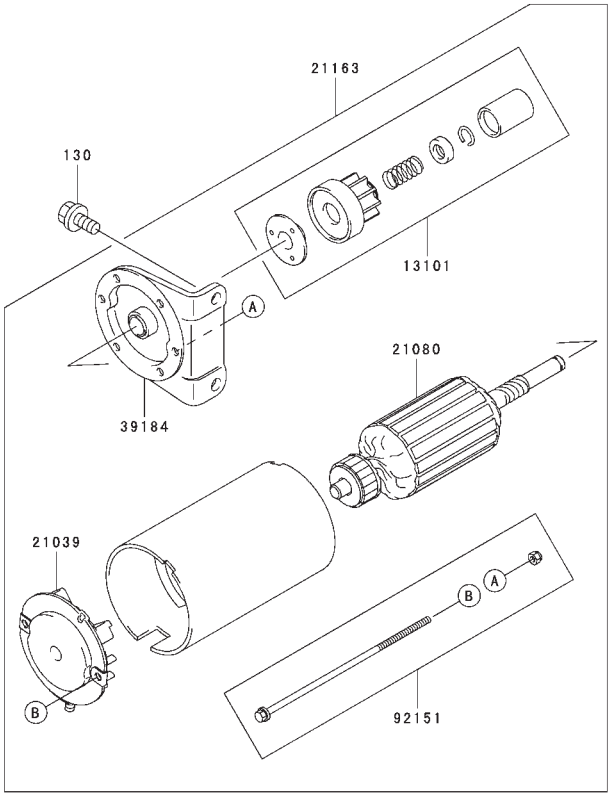


Fuel Tank/Fuel Valve Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
23062	23062–7004–9H	1	Bracket–Comp
49019	49019–7001	1	Filter–Fuel
49040	49040–7001	1	Pump–Fuel
92170	92170–2088	4	Clamp
92170A	92170–7003	4	Clamp
92191	92191–7003	1	Tube
92191A	92191–7012	1	Tube
92191b	92191–7019	1	Tube
130	130B0616	2	Bolt–Flanged
130A	130B0620	2	Bolt–Flanged

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

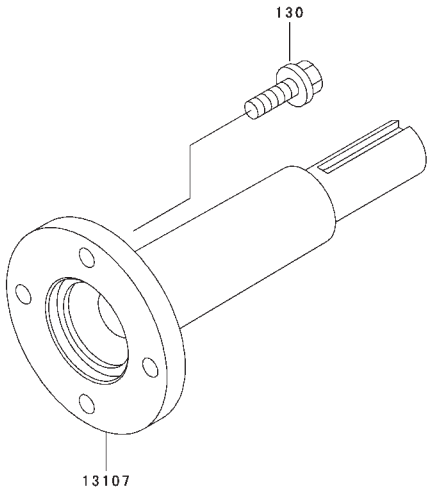


Starter Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
13101	13101–7001	1	Gear ASM
21039	21039–7001	1	Brush
21080	21080–7001	1	Armature
211636	21163–7001	1	Starter–Electric
39184	39184–7001	1	Bracket ASM
92151	92151–7013	1	Bolt
130	130B0816	2	Bolt–Flanged

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

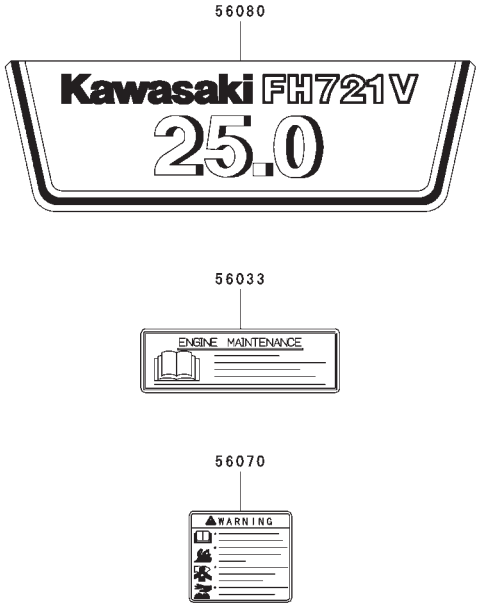


P.T.O. Equipment Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
13107	13107–7014	1	Shaft
130	130B0825	4	Bolt–Flanged

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki



Label Assembly
Kawasaki FH721D–AS05

Ref. No.	Part No.	Qty.	Description
56033	56033–7001	1	Label–Manual
56070	56070–7001	1	Label–Warning
56080	56080–7013	1	Label–Brand

Ref. No.	Part No.	Qty.	Description

Obtain Parts From Kawasaki

Maintenance Record

Date								

Maintenance Record

Date								


TORO®