Form No. 3327–671

Greensmaster® 500

Model No. 04130—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 — 2003
All Rights Reserved

Contents

Description	Page
Transmission Case Assembly	3
Clutch Shaft Assembly	4
Drum Assembly	5
Engine Assembly	6
Handle Installation Assembly	7
Handle Assembly	8
Roller Assembly No. 88–8900	9
Basket and Yoke Assembly	10
Transmission Assembly	11
Clutch Shaft Assembly	12
Differential Case and Shaft Assembly	13
Cutting Unit Frame Assembly	14
Bedknife, Reel, and Roller Assembly	15
Guard and Bedknife Assembly	16
Bearing Housing Assembly for Roller Assembly No. 39–9590	17
Real and Bearing Assembly No. 4–2219	18
Special Tools	19
Crankcase Assembly Kawasaki FE120D–CS02	21
Camshaft and Valves Assembly Kawasaki FE120D–CS02	22
Ignition Assembly Kawasaki FE120D–CS02	23
Governor Assembly Kawasaki FE120D–CS02	24
Carburetor Assembly Kawasaki FE120D–CS02	25
Air Filter and Muffler Assembly Kawasaki FE120D–CS02	26
Fuel Tank Assembly Kawasaki FE120D–CS02	27

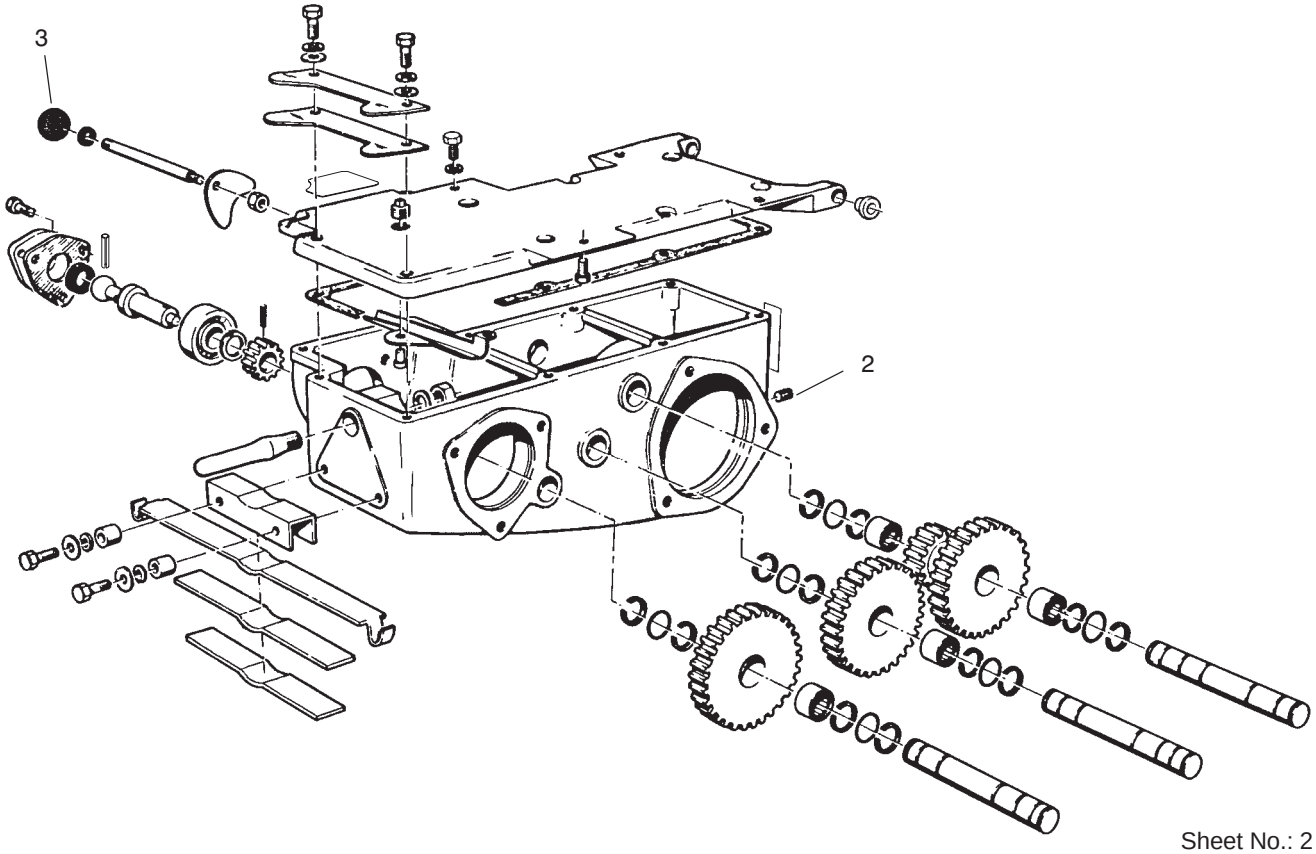
Accessories

Description	Model / Part No.
Brush Kit	22949
Bedknife, Low Cut	88–8990
Spark Arrester Muffler Kit	98–3426
Cutting Unit (without roller)	04215
Sectional Roller	4–7319
Skid Kit	47299
Full Roller Kit	47309
Micro–Cut Bedknife 1/16 HOC	95–3147
Wiehle Roller, Rear Cutting Unit	100–1556
Light Kit	04058
Main Jet, #62 (High Altitude)	98–8735
Main Jet, #60 (High Altitude)	98–8736

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
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

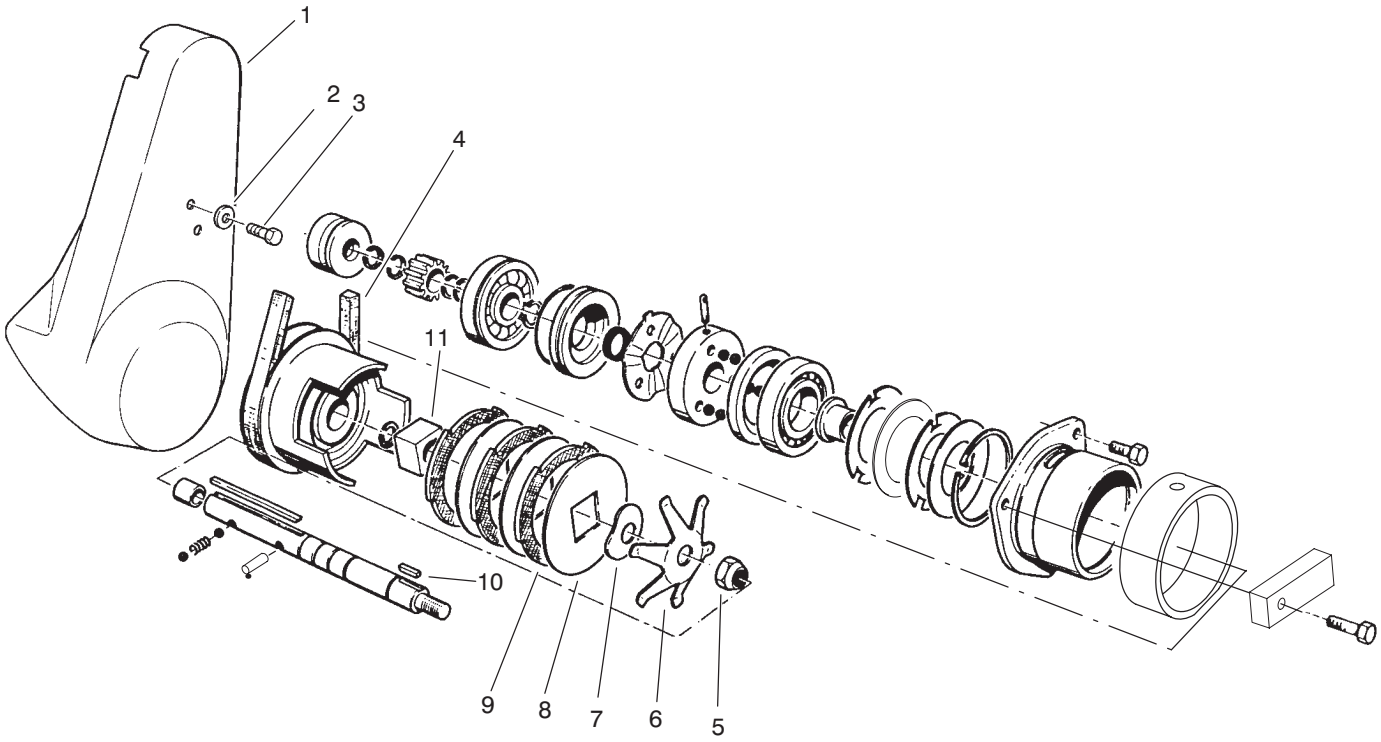


Sheet No.: 2

Transmission Case Assembly

Ref. No.	Part No.	Qty.	Description
2	281–1	1	Plug–Pipe, SQH
3	3–0631	1	Ball–Grip

Ref. No.	Part No.	Qty.	Description

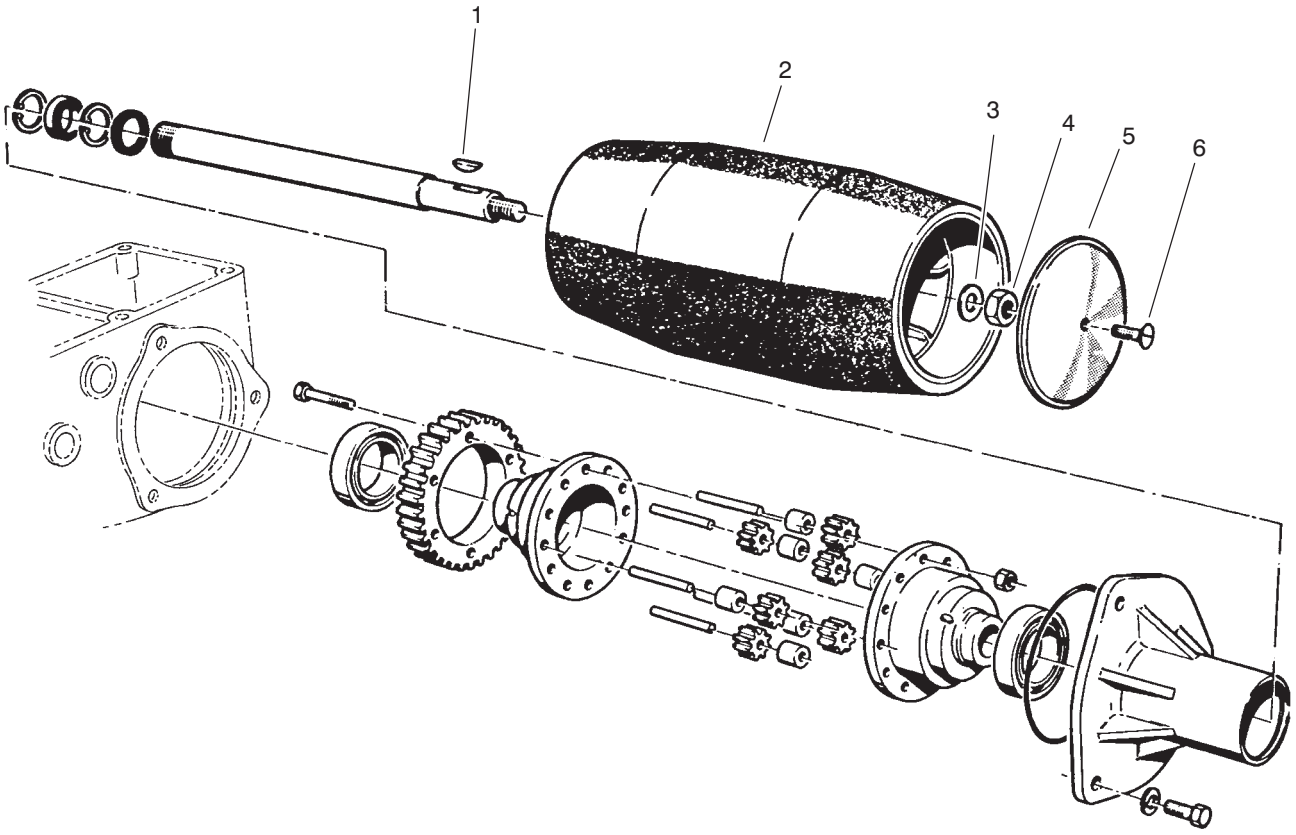


Sheet No.: 3

Clutch Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	88–8740	1	Guard–Belt
2	3253–3	2	Washer–Lock
3	32144–10	2	Screw–HWH
4	95–1811	1	V–Belt
5	3296–6	1	Nut–Lock, NI
6	3–0478	1	Spring–Clutch
7	3290–211	1	Washer–Spring
8	3–0477	3	Plate–Clutch
9	99–5902	3	Disc–Clutch
10	3–6801	1	Key
11	3–0472	1	Driver–Clutch

Ref. No.	Part No.	Qty.	Description

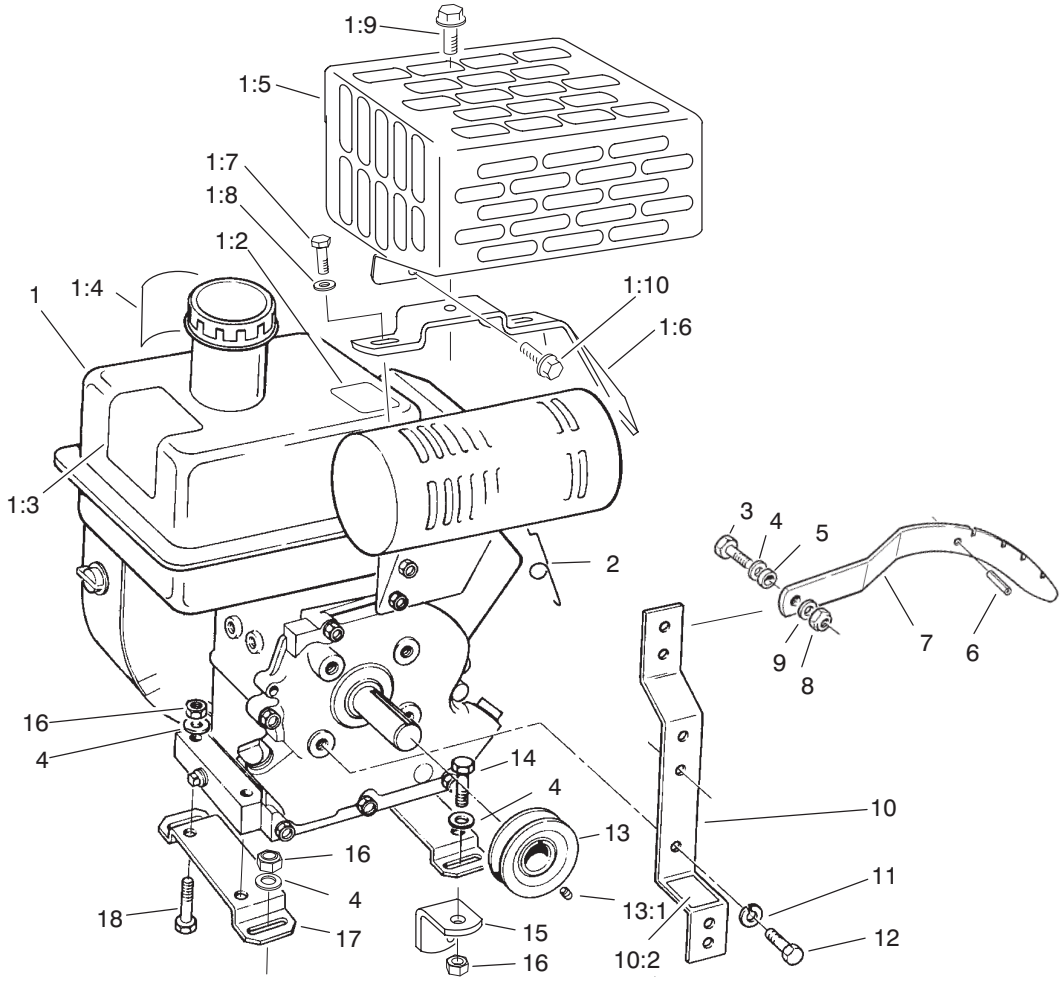


Sheet No.: 4

Drum Assembly

Ref. No.	Part No.	Qty.	Description
1	3257–23	2	Key–Woodruff
2	3–0492	2	Roller ASM
3	3256–26	2	Washer–Flat
4	3296–19	2	Nut–Lock NI
5	3–8347	2	Cap–Hub
6	32108–50	2	Screw

Ref. No.	Part No.	Qty.	Description

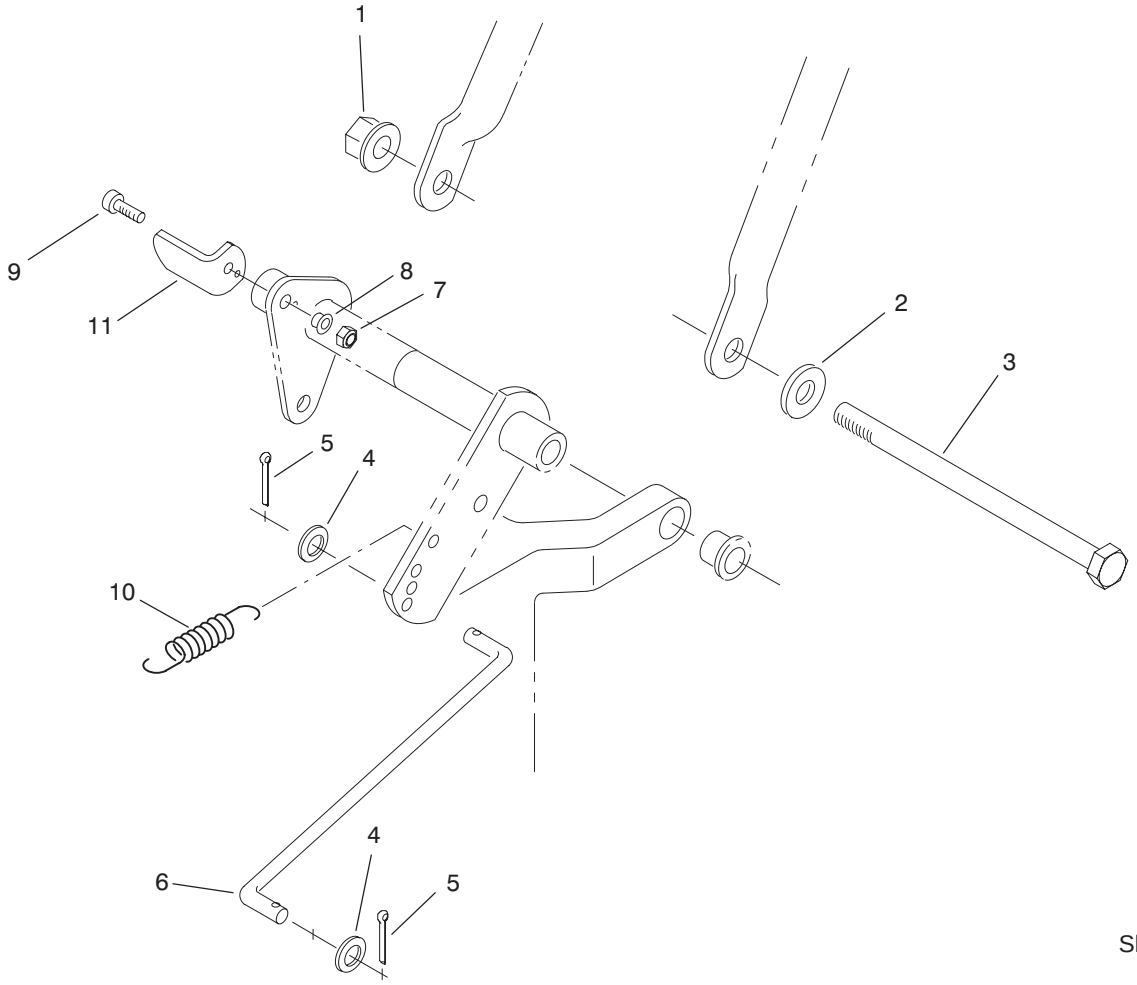


Sheet No.: 5

Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	99–4265	1	Engine Kawasaki ASM
1:2	105–5309	1	Decal–Surface, Hot
1:2	83–2560	1	Decal–Surface, Hot (Japan)
1:3	92–4813	1	Decal–Danger (Japan)
1:3	93–7348	1	Decal–Danger
1:4	93–9886	1	Decal–Fuel
1:5	98–3432–03	1	Guard –Muffler
1:6	98–3421	1	Bracket–Guard, Muffler
1:7	33113–012	2	Screw–HH
1:8	3256–22	2	Washer–Flat
1:9	46–6810	1	Screw And Washer ASM
1:10	93–8550	1	Bolt–Flanged
2	88–8690	1	Wire–Throttle
3	322–16	1	Screw–HH
4	3256–23	9	Washer–Flat
5	88–9080	1	Spacer
6	32121–11	1	Pin–Roll
7	88–8680	1	Handle
8	3296–47	1	Nut–Lock, NI
9	3–3287	1	Spacer–Latch, Handle
10	95–7283	1	Bracket–Pivot
10:2	93–9356	1	Decal–Warning, Belt
11	3253–31	2	Washer–Lock/Sp

Ref. No.	Part No.	Qty.	Description
12	33114–020	2	Screw–HH
13	244–58	1	Pulley
13:1	3245–32	1	Screw–HS
14	322–5	4	Screw–HH
15	95–7280	1	Bracket–Spring
16	32153–3	8	Nut–Lock
17	88–8650–01	2	Mount–Motor
18	322–17	4	Screw–HH

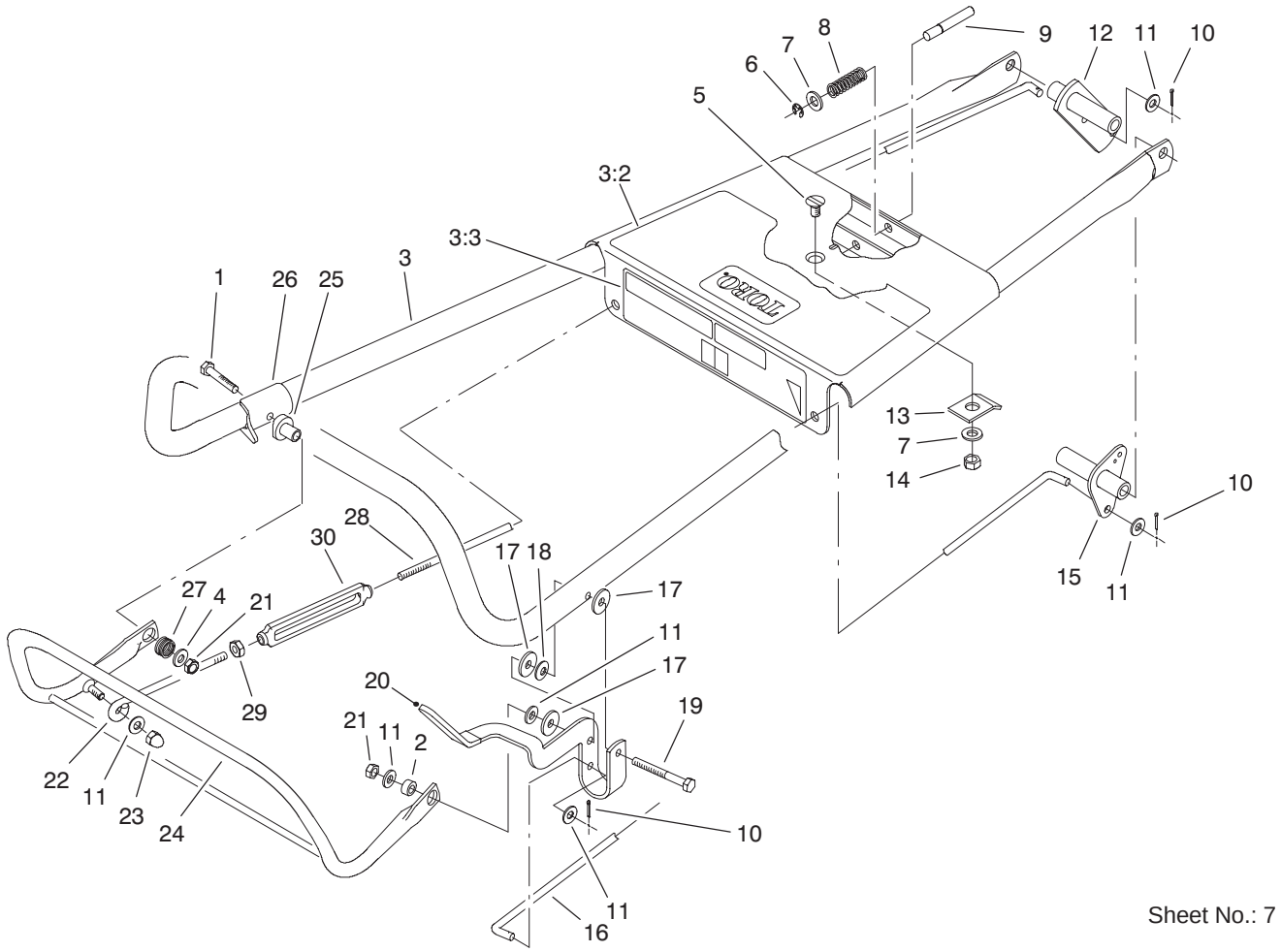


Sheet No.: 6

Handle Installation Assembly

Ref. No.	Part No.	Qty.	Description
1	32128–19	1	Nut–HF
2	3256–24	1	Washer–Flat
3	323–30	1	Screw–HH
4	3256–14	2	Washer–Flat
5	3272–1	2	Pin–Cotter
6	98–3433	1	Rod–Clutch
7	3296–1	1	Nut–Lock, NI
8	3–0526	1	Retainer
9	3250–17	1	Screw–PPH
10	71–5470–03	1	Spring–Brake
11	98–3437	1	Stop–Throttle

Ref. No.	Part No.	Qty.	Description

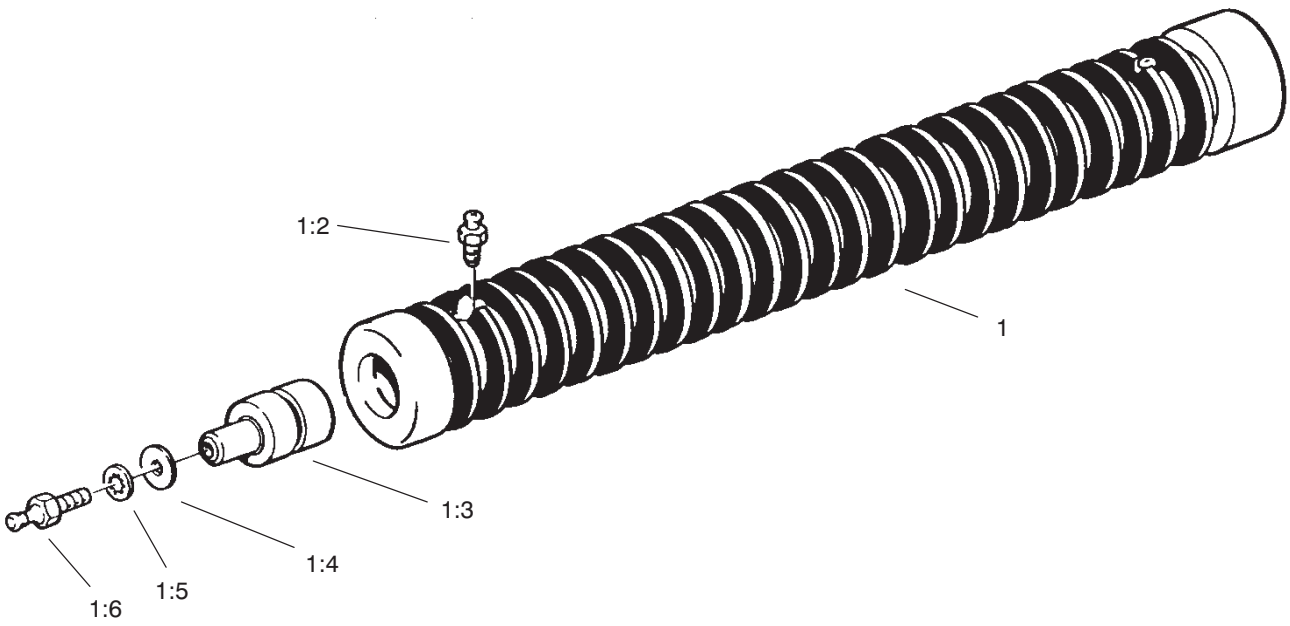


Sheet No.: 7

Handle Assembly

Ref. No.	Part No.	Qty.	Description
1	321–15	1	Screw–HH
2	98–3425	1	Spacer
3	99–2302	1	Handle ASM
3:2	95–7266	1	Decal–Handle
3:3	95–7298	1	Decal–Control
4	3256–67	1	Washer–Flat
5	57–4910	1	Screw
6	32120–35	1	E–Ring
7	3256–23	2	Washer–Flat
8	5–0776	1	Spring
9	5–0765	1	Pin
10	3272–1	3	Pin–Cotter
11	3256–22	6	Washer–Flat
12	98–3401–01	1	Clutch–Bellcrank
13	98–3403	1	Tab
14	3296–47	1	Nut–Lock, NI
15	98–3405–01	1	Crank–Throttle
16	3–3422	1	Rod–Control
17	66–2921	3	Washer–Friction
18	3290–436	1	Washer–Belleville
19	321–14	1	Screw–HH
20	98–3408	1	Lever–Throttle
21	3296–56	2	Nut–Lock, NI
22	99–3711	1	Rod–Clutch Control, Upper
23	32111–14	1	Nut–Cap

Ref. No.	Part No.	Qty.	Description
24	98–3415–03	1	Bail ASM
25	49–1631	1	Spacer–Support
26	99–8073	1	Latch
27	85–6750	1	Spring–Control
28	99–3712	1	Rod–Clutch Control, Lower
29	3217–5	1	Nut–Hex
30	99–8080	1	Body–Turnbuckle

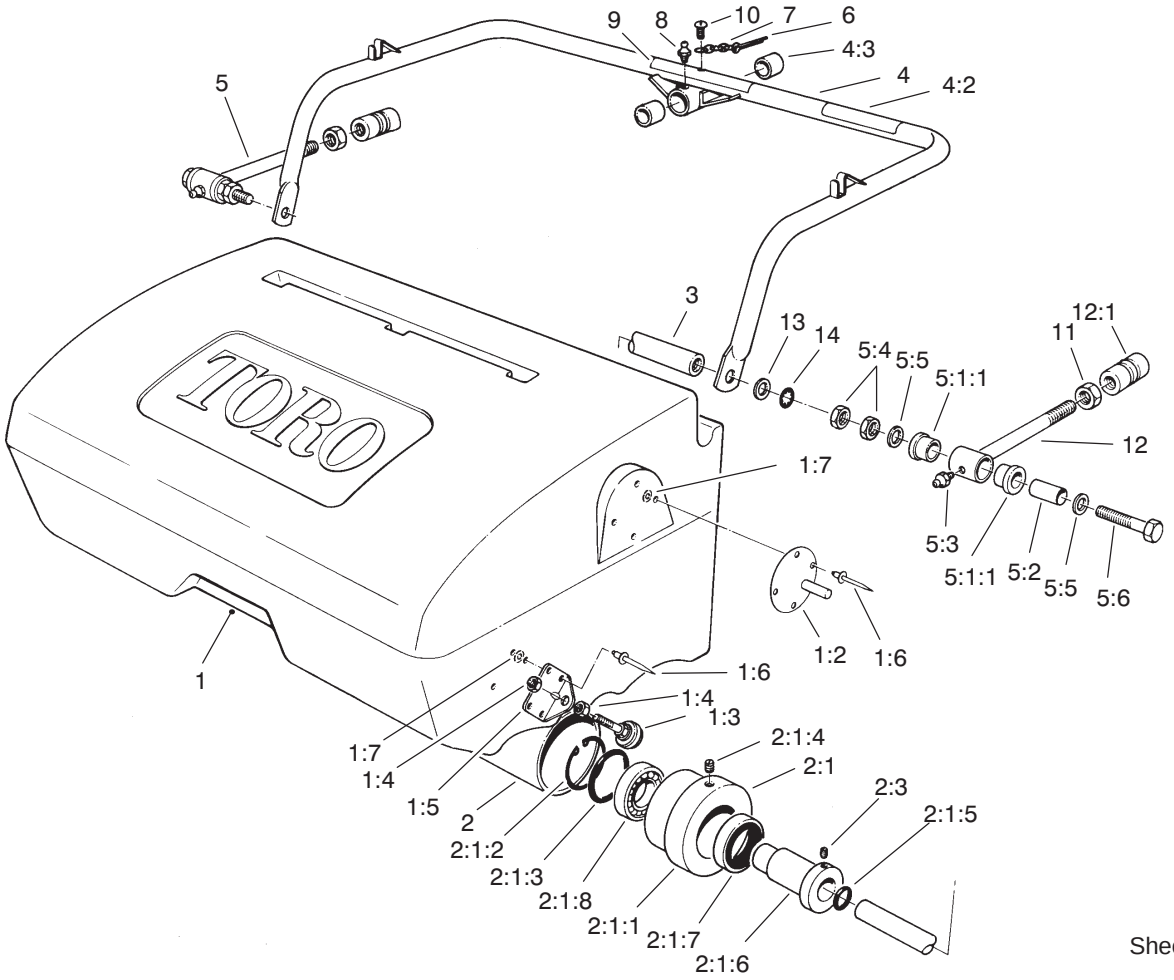


Sheet No.: 9
T–3609

Roller Assembly No. 88–8900

Ref. No.	Part No.	Qty.	Description
1	88–8900	1	Wiehle Roller ASM
1:2	302–5	2	Fitting–Grease
1:3	88–8890	2	Bearing–Wiehle Roller
1:4	3256–24	2	Washer–Flat
1:5	3254–6	2	Washer–Lock, Internal
1:6	94–2958	2	Stud–Ball

Ref. No.	Part No.	Qty.	Description



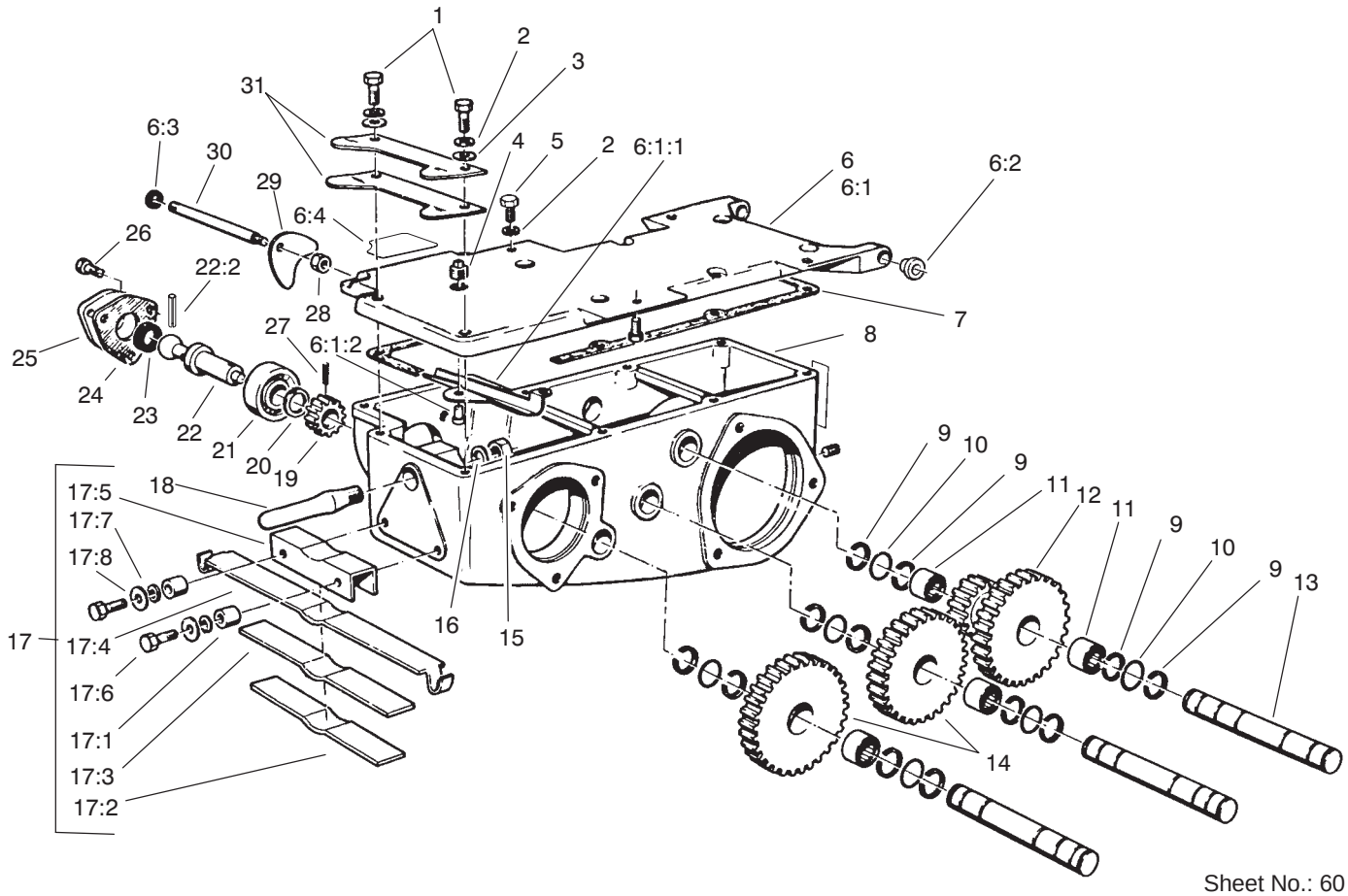
Sheet No.: 10

Basket and Yoke Assembly

Ref. No.	Part No.	Qty.	Description
1	88–8770	1	Grass Basket ASM
1:2	88–8910	2	Pivot
1:3	32141–36	2	Screw–Adjustment, Level
1:4	3218–2	4	Nut–Jam
1:5	5–3464	2	Bracket–Adjusting
1:6	3269–4	16	Rivet–Pop
1:7	3256–51	16	Washer–Flat
2	5–1382	1	Front Roller ASM
☆2:1		2	Bearing/Housing ASM
2:1:1	5–1384	1	Housing–Bearing
2:1:2	32151–13	1	Ring–Retaining
2:1:3	237–68	1	O–Ring
2:1:4	285–17	1	Plug–Pipe
2:1:5	237–69	1	O–Ring
2:1:6	11–3050	1	Sleeve
2:1:7	253–118	1	Seal–Oil
2:1:8	251–205	1	Bearing–Ball
2:3	3245–35	2	Screw–HS
3	5–1390	1	Roller–Shaft, Yoke
4	99–4264	1	Yoke ASM
4:2	93–6688	1	Decal–Danger, Europe
4:3	3–2156	2	Bushing
5	3–4510	2	Pull Arm ASM
☆5:1		1	Pull Arm And Bushing ASM

Ref. No.	Part No.	Qty.	Description
5:1:1	3–1506	2	Bushing
5:2	3–3436	1	Sleeve
5:3	302–5	1	Fitting–Grease
5:4	3220–3	2	Nut–Jam
5:5	3256–24	2	Washer–Flat
5:6	8–5770	1	Capscrew–Special
6	3272–50	1	Pin–Cotter
7	3–0696	1	Yoke–Chain
8	302–5	1	Fitting–Grease
9	3–1828–01	1	Plate–Wear
10	32104–81	1	Screw–Head, Pan
11	3220–3	2	Nut–Jam
12	99–1460	2	Ball Joint Receiver ASM
12:1	99–1461	1	Sleeve–Joint, Ball
13	3256–24	2	Washer–Flat
14	3254–6	2	Washer–Lock, Internal

☆ Not serviced separately



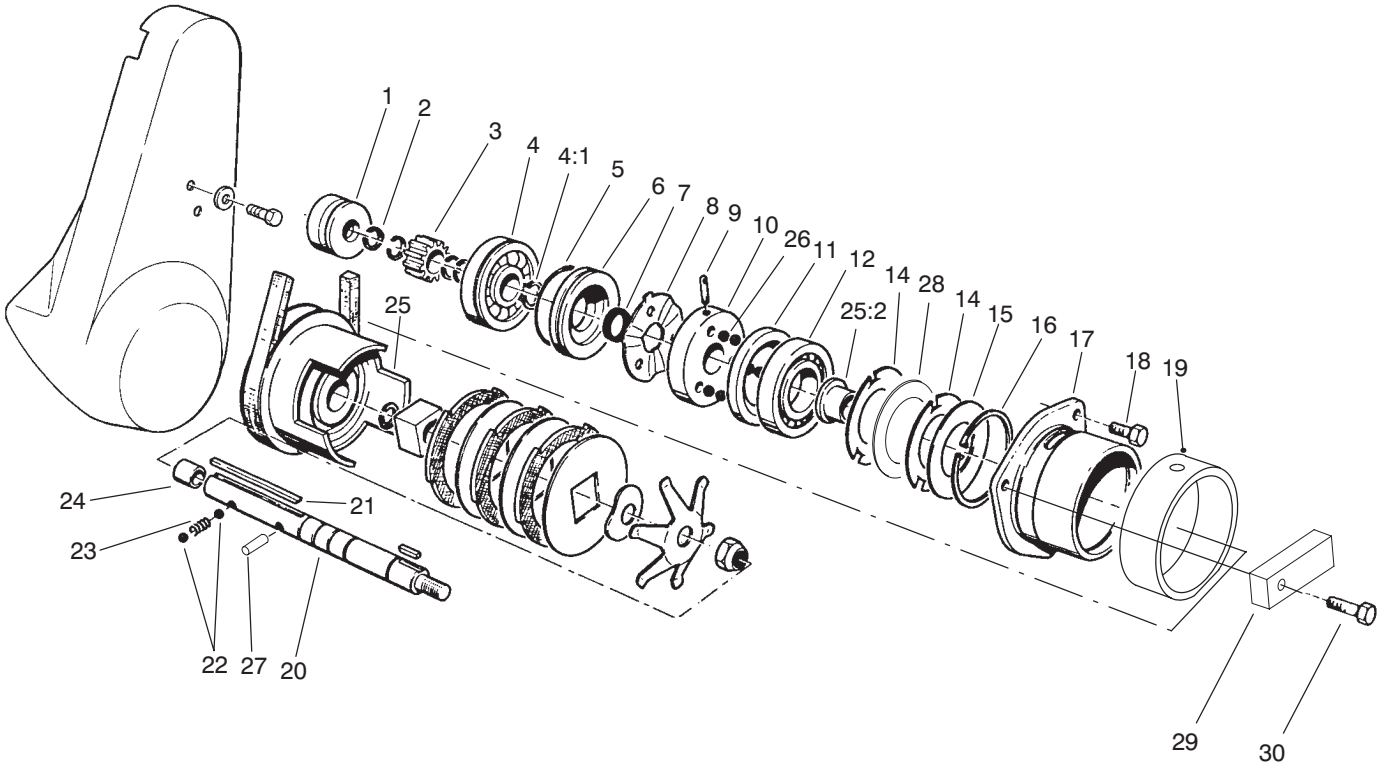
Sheet No.: 60

Transmission Assembly

Ref. No.	Part No.	Qty.	Description
1	321–11	2	Screw–HH
2	3253–3	10	Washer–Lock
3	3256–2	2	Washer–Flat
4	281–3	1	Plug–Pipe
5	321–8	8	Screw–HH
6	98–3412	1	Cover ASM
☆6:1		1	Cover ASM
6:1:1	3–1716	1	Pan–Drip, Oil
6:1:2	3295–2	2	Rivet–Semi
6:2	3–1776	2	Grommet
6:3	253–88	1	Seal–Oil
6:4	95–7271	1	Decal–Clutch
7	3–0485	1	Gasket–Transmission
8	3–4371	1	Case ASM
9	32120–63	12	Ring–Snap
10	237–22	6	O–Ring
11	252–49	4	Bearing–Needle
12	3–0457	1	Gear–Intermediate
13	3–0455	3	Shaft–Idler
14	3–0456	2	Gear–Idler
15	3296–28	1	Nut–Lock, NI
16	3256–26	1	Washer–Flat
☆17		1	Lift Spring ASM
17:1	3–2074	2	Spacer
17:2	3–2075	1	Leaf–Lower
17:3	99–6899	1	Leaf–Center

Ref. No.	Part No.	Qty.	Description
17:4	92–4995	1	Leaf–Main
17:5	92–4992	1	Bracket–Spring, Lift
17:6	322–8	2	Screw–HH
17:7	3254–2	2	Washer–Lock, Int
17:8	3256–23	2	Washer–Flat
18	95–1810	1	Pivot–Yoke
19	3–0592	1	Clutch–Reel, Male
20	3–4494	1	Washer–Thrust
21	251–163	1	Bearing–Ball
22	2–4779	1	Universal Driver And Pin ASM
22:2	32121–25	1	Pin–Roll
23	253–59	1	Seal–Oil
24	3–2072	1	Seal–Bearing
25	95–1807	1	Cover–Bearing
26	32140–40	3	Screw–HH
27	32121–4	1	Pin–Roll
28	32152–5	1	Nut–Conelock
29	3–0488	1	Fork–Shift
30	3–0486	1	Rod–Clutch, Reel
31	3–1830	2	Spring–Flat

☆ Not serviced separately

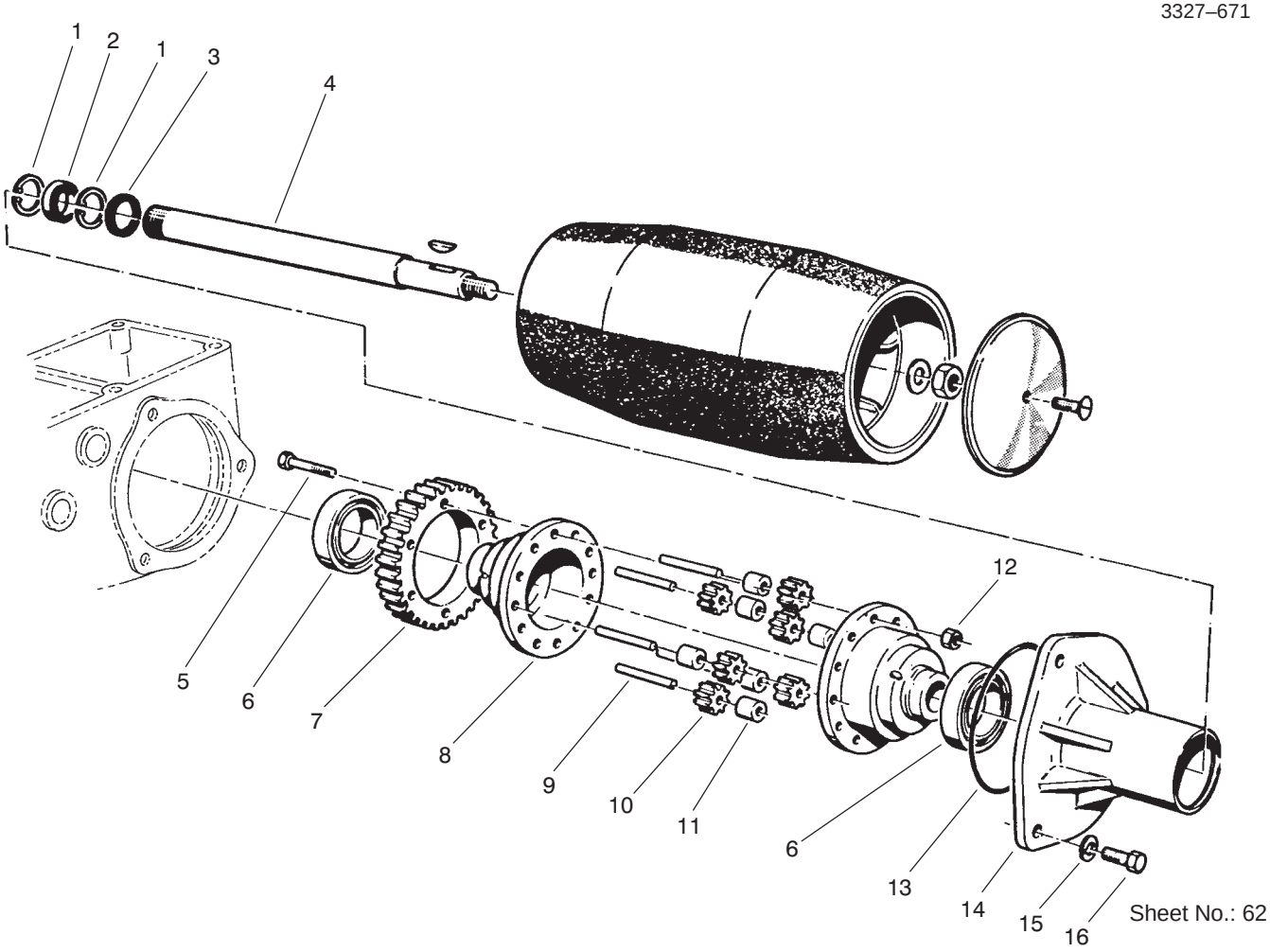


Sheet No.: 61

Clutch Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	3–0465	1	Clutch–Female
2	32120–64	5	Ring–Snap, External
3	88–8700	1	Gear–Pinion
4	251–139	1	Bearing–Ball
4:1	251–149	1	Ring–Snap
5	237–38	1	O–Ring
6	3–1545	1	Spacer–Clutch
7	253–83	1	Seal–Oil
8	98–3410	1	Cam–Clutch
9	95–6082	1	Pin–Clutch
10	3–0470	1	Actuator–Clutch
11	3–0471	1	Plate–Backing, Clutch
12	251–140	1	Bearing–Ball
14	3290–264	2	Washer–Wave
15	3–0481	1	Washer–Clutch
16	32120–65	1	Ring–Snap
17	5–1423	1	Housing–Clutch
18	3274–15	2	Screw–HSH
19	98–3400	1	Sleeve–Clutch
20	95–7293	1	Shaft–Clutch
21	88–8730	1	Key–Clutch Shaft
22	255–5	2	Ball–Steel
23	3–0460	1	Spring–Detent
24	256–112	1	Bushing
25	105–5368	1	Pulley ASM
25:2	3–4066	1	Bushing

Ref. No.	Part No.	Qty.	Description
26	255–8	6	Ball–Steel
27	32121–45	1	Pin–Spring
28	88–9030	1	Washer–Special
29	100–3396	1	Stop–Clutch Lever
30	321–8	1	Screw–HH

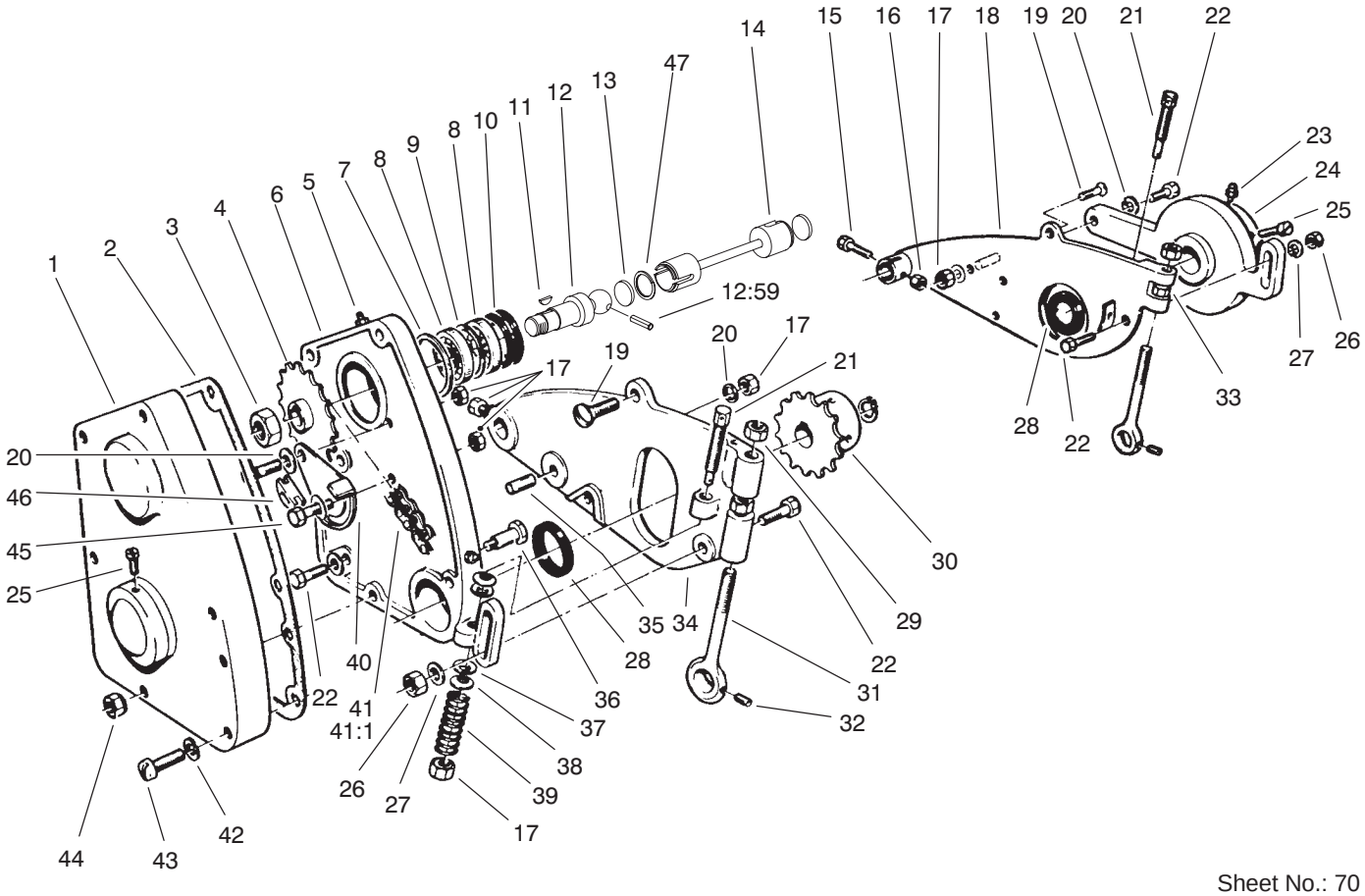


Sheet No.: 62

Differential Case and Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	32120–62	4	Ring–Retaining
2	251–137	2	Bearing–Ball
3	253–82	2	Seal–Oil
4	105–5381	2	Axle
5	3273–23	6	Screw–HS
6	251–138	2	Bearing–Ball
7	3–0454	1	Gear–Ring
8	3–0450	2	Case–Differential
9	3–0452	6	Shaft–Gear, Differential
10	105–5380	6	Gear–Differential
11	3–0453	6	Spacer–Gear, Differential
12	3296–27	6	Nut–Lock NI
13	237–33	2	O–Ring
14	3–0596	2	Housing–Axle
15	3253–4	6	Washer–Lock
16	322–4	6	Screw–HH

Ref. No.	Part No.	Qty.	Description

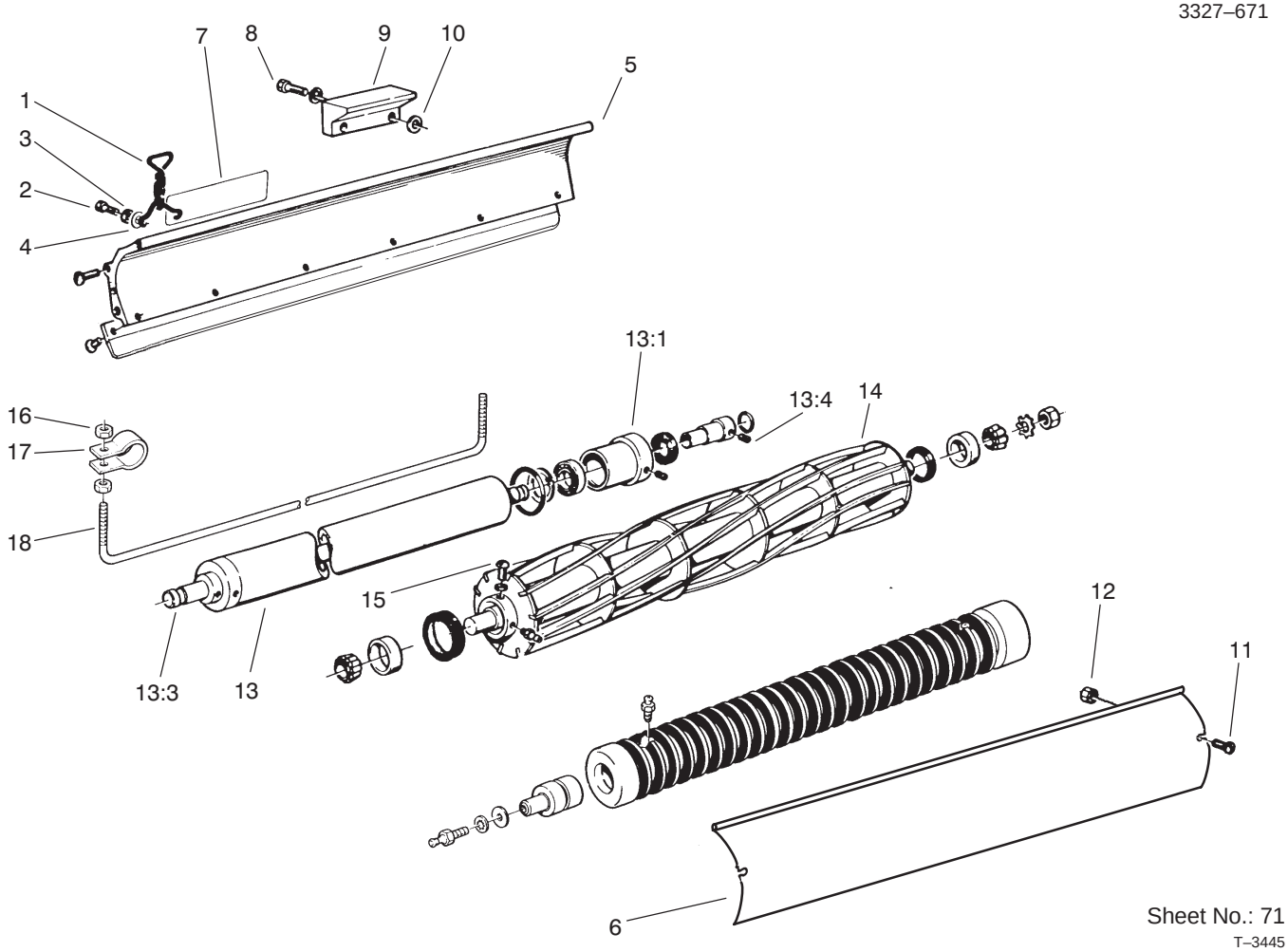


Sheet No.: 70

Cutting Unit Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	3–2964–01	1	Cover–Drive, Reel
2	92–4991	1	Gasket–Cover, Reel
3	3296–33	1	Nut–Lock, NI
4	88–8930	1	Sprocket
5	302–5	1	Fitting–Grease
6	3–5786–01	1	Bracket–Reel, RH
7	32120–42	1	Ring–Retaining
8	251–6	2	Bearing–Ball
9	3–3428	1	Washer
10	253–59	2	Seal–Oil
11	3–2804	1	Key–Woodruff
12	2–0039	1	Universal Driver ASM
12:59	32121–25	1	Pin–Roll
13	3–1852	2	Pad
14	3–0584–01	1	Universal Shaft ASM
15	321–9	2	Screw–HH
16	32153–4	2	Locknut
17	3296–13	6	Nut–Lock NI
18	3–5783–01	1	Plate–Side, LH
19	3290–141	6	Screw–HSFH
20	3256–22	4	Washer–Flat
21	3–5793	2	Screw–Adjustment, Reel
22	329–13	4	Screw–HH
23	302–14	2	Vent
24	3–6524–01	1	Bracket–Reel

Ref. No.	Part No.	Qty.	Description
25	3274–26	2	Screw–HSH
26	3296–3	2	Nut–Lock, NI
27	3–5792	2	Washer
28	99–4268	2	Seal–Oil
29	3296–45	2	Nut–Lock, NI
30	3–5802	1	Sprocket–Reel
31	3–5785	2	Screw–Adjustment, Roller
32	3245–7	2	Screw
33	3217–9	2	Nut–HH
34	3–5784–01	1	Plate–Side, RH
35	3–5797	2	Spacer
36	95–1826	2	Bolt–Special
37	3–0566	4	Washer–Concave
38	3–0565	4	Washer–Convex
39	3–5787	2	Spring–Compression
40	3–0463	1	Idler Arm–Chain
41	88–8920	1	Chain–Roller
41:1	2710–31	1	Link–Connecting #35
42	3253–17	5	Washer–Lock/Sp
43	32105–5	5	Screw
44	3–3554	2	Nut–Special
45	329–3	2	Screw–HH
46	3–0554	1	Shoe–Idler, Chain
47	32120–69	1	Ring–Snap



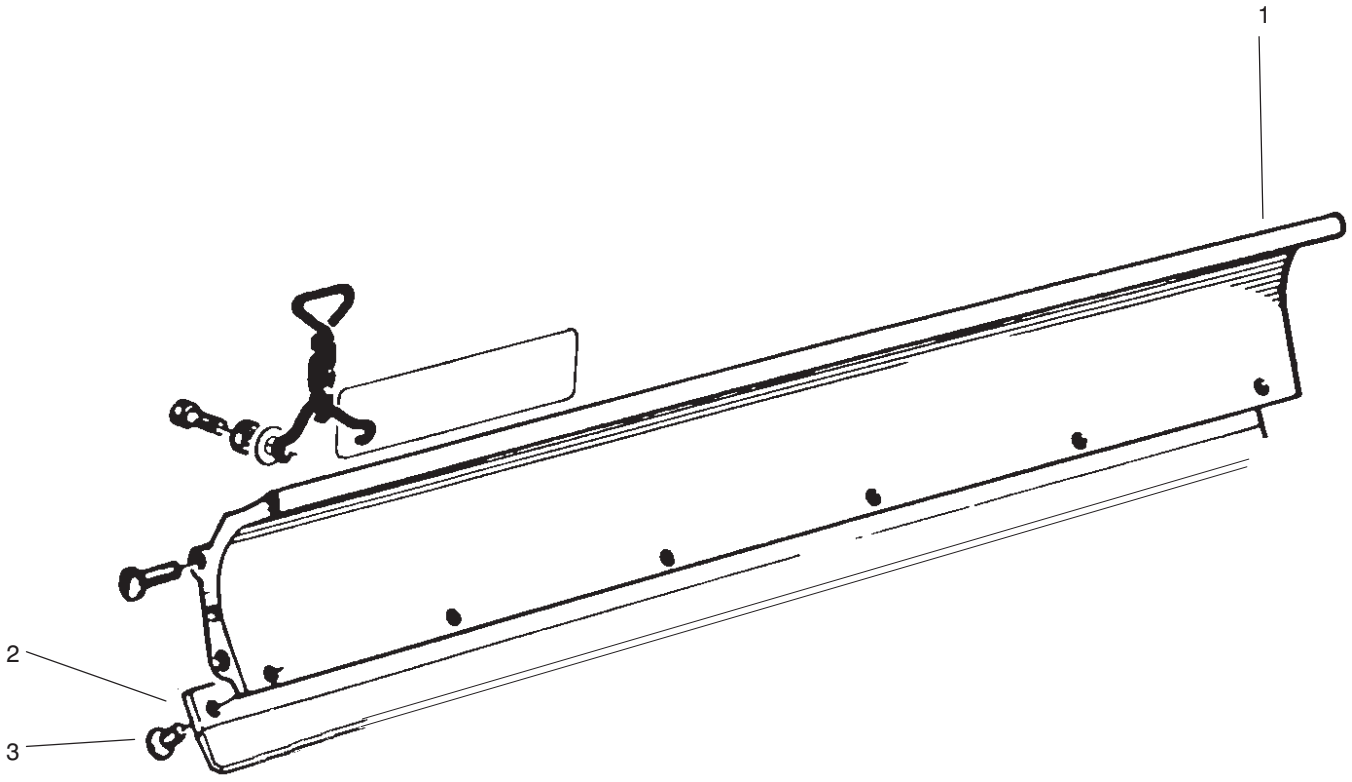
Sheet No.: 71
T–3445

Bedknife, Reel, and Roller Assembly

Ref. No.	Part No.	Qty.	Description
1	92–4994	2	Chain–Lift, Reel
2	321–2	4	Screw–HH
3	3253–3	6	Washer–Lock
4	3–0988	2	Bail–Lift
☆5		1	Guard And Bedknife ASM
6	3–2057–01	1	Grass Shield ASM
7	93–6688	1	Decal–Danger, Europe
8	321–8	2	Screw–HH
9	3–4981–01	1	Weight
10	3256–22	4	Washer–Flat
11	3258–61	2	Screw
12	3296–13	2	Nut–Lock NI
13	39–9590	1	Roller ASM
☆13:1		2	Bearing/Housing ASM
13:3	5–1422	1	Shaft–Roller, Rear
13:4	3245–35	2	Screw–HS
14	4–2219	1	Reel ASM
15	3274–29	4	Screw–HSFH
16	32149–2	4	Nut
17	88–9010	2	Bracket–Scraper
18	88–9020	1	Rod–Scraper

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

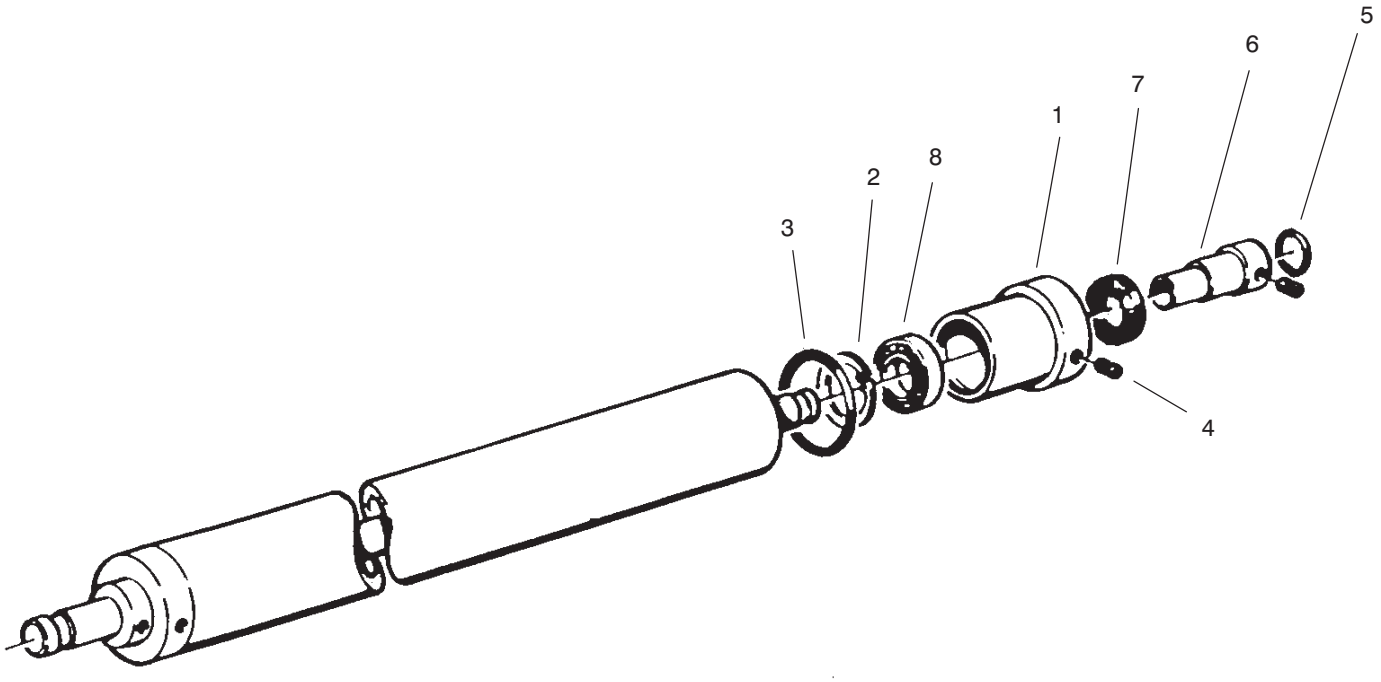


Sheet No.: A1
T–3613

Guard and Bedknife Assembly

Ref. No.	Part No.	Qty.	Description
1	3–0601–01	1	Guard
2	88–8990	1	Bedknife–Machined
2	88–9000	1	Bedknife–Tournament
2	95–3147	1	Bedknife–Micro Cut
3	57–4910	6	Screw

Ref. No.	Part No.	Qty.	Description

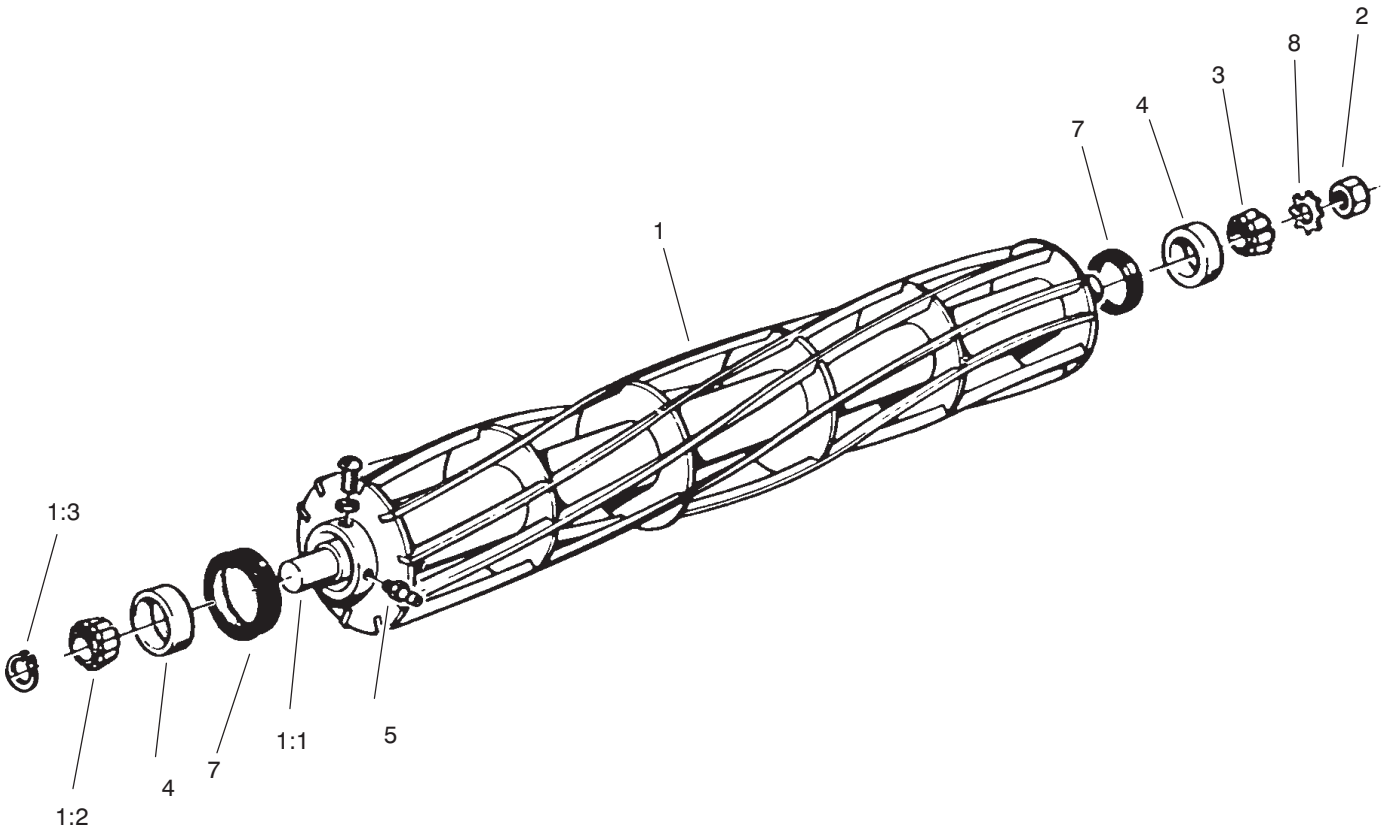


Sheet No.: A2
T–3610

Bearing Housing Assembly for Roller Assembly No. 39–9590

Ref. No.	Part No.	Qty.	Description
1	5–1384	1	Housing–Bearing
2	32151–13	1	Ring–Retaining
3	237–68	1	O–Ring
4	285–17	1	Plug–Pipe
5	237–69	1	O–Ring
6	11–3050	1	Sleeve
7	253–118	1	Seal–Oil
8	251–205	1	Bearing–Ball

Ref. No.	Part No.	Qty.	Description



Sheet No.: A3
T–3611

Real and Bearing Assembly No. 4–2219

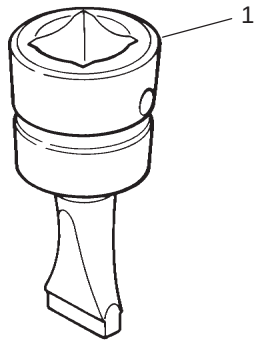
Ref. No.	Part No.	Qty.	Description
☆1		1	Reel Shaft ASM
1:1	5–1393	1	Shaft–Reel
1:3	32151–12	1	Ring–Retaining
1:2	254–68	1	Cone–Bearing, Roller
2	254–86	1	Locknut
3	254–68	1	Cone–Bearing, Roller
4	254–67	2	Cup–Bearing, Roller
5	302–5	2	Fitting–Grease
7	253–120	2	Seal–Oil
8	254–87	1	Washer–Lock

Ref. No.	Part No.	Qty.	Description

☆ Not serviced separately

Special Tools

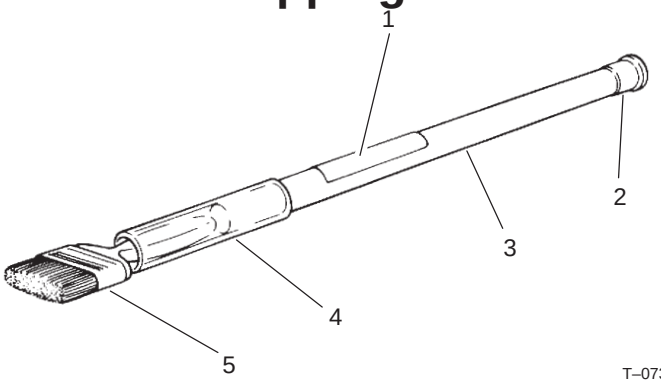
Bedknife Screw Tool No. *TOR510880



T–0729

Ref No.	Part No.	Qty.	Description
1		1	Tool–Bedknife Screw

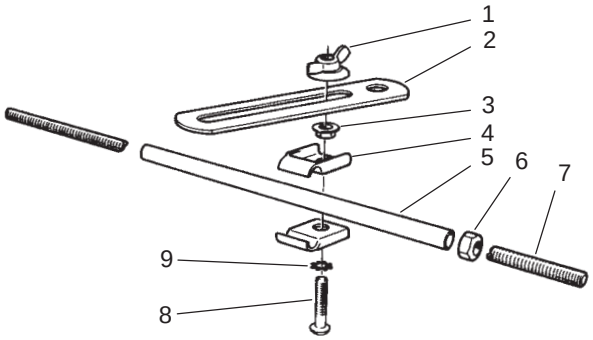
Backlapping Brush Assembly No. *TOR299100



T–0731

Ref No.	Part No.	Qty.	Description
1	12–9140	1	Decal
2	2410–18	1	Plug
3	29–9080	1	Handle
4	29–9090	1	Hose–Handle
5	36–4310	1	Brush

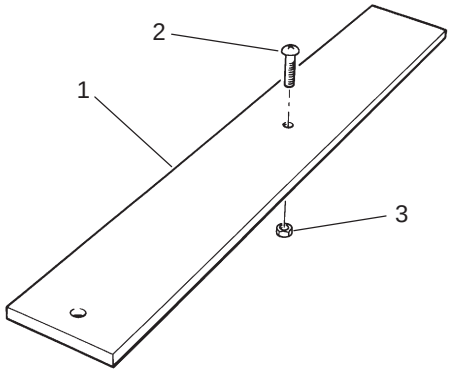
Alignment Tool No. TOR200120



T–0732

Ref No.	Part No.	Qty.	Description
1		1	Nut–Wing
2		1	Bracket–Alignment
3	32128–20	1	Nut–HFH
4	3–6657	2	Clip–Skid
5		1	Tube
6	3219–2	1	Nut–Hex
7		1	Rod
8	32122–35	1	Screw–Head, Truss
9	3255–8	1	Washer–Lock

Gauge Bar Assembly No. *TOR138199



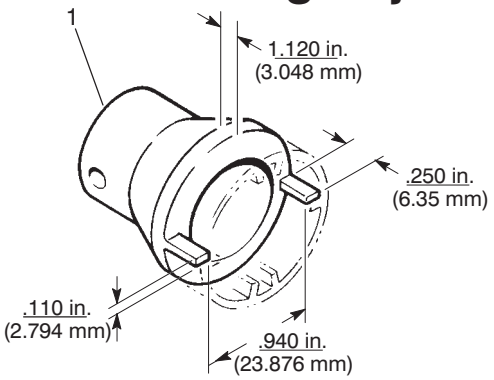
T–1151

Ref No.	Part No.	Qty.	Description
1	65–8320	1	Bar–HOC
2	32122–2	1	Screw–Head, Round
3	3219–14	1	Nut–Hex

*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1–800–533–0492 (in Minnesota and Canada 1–507–455–7050) Fax. 507–455–7011.

Special Tools (Continued)

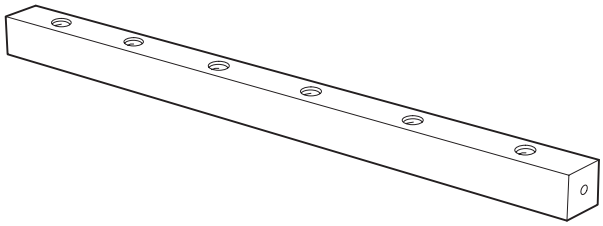
Reel Bearing Adjustment Socket No. *TOR31826



T–0480

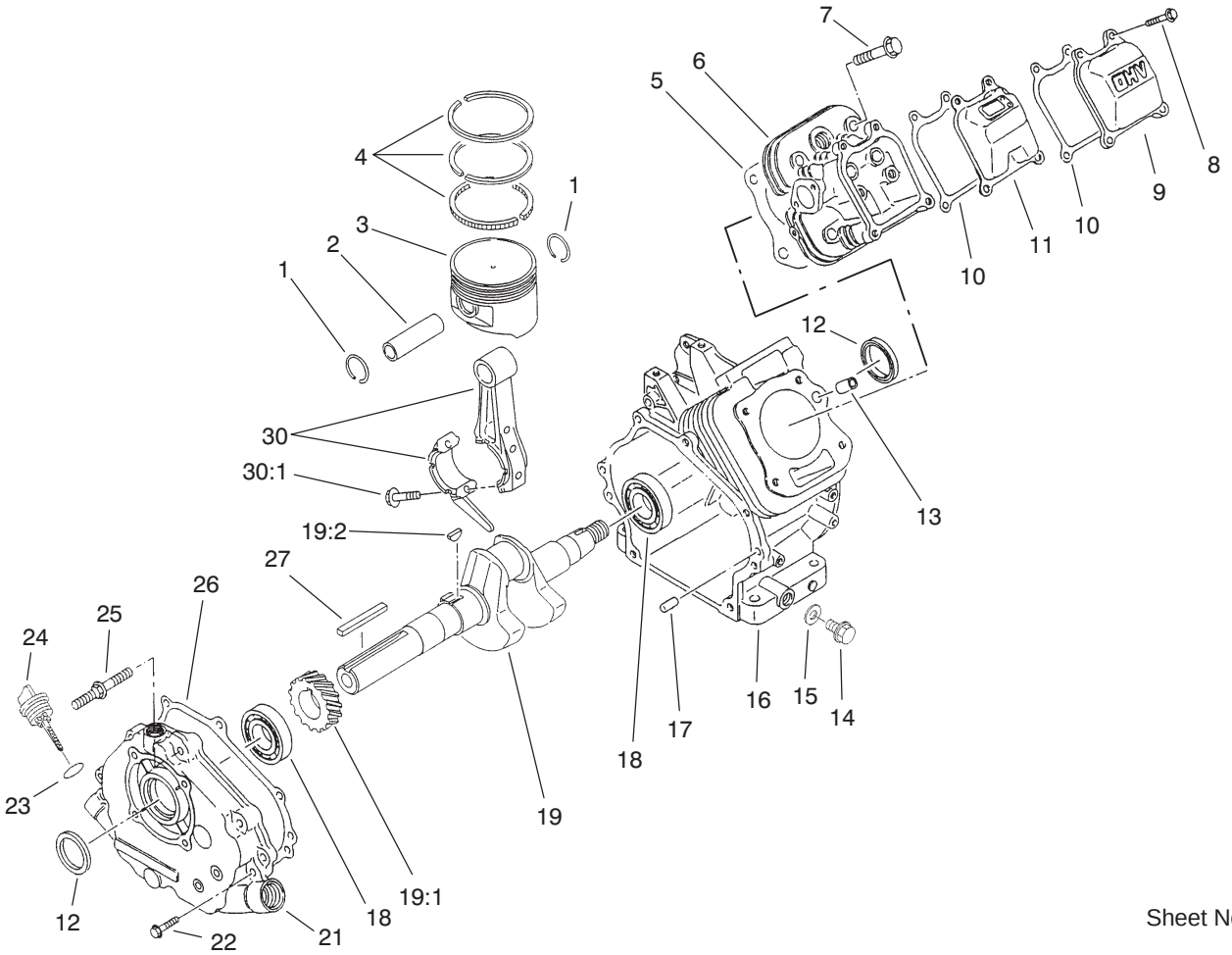
Ref No.	Part No.	Qty.	Description
1		1	Pinion Removal Tool Note: Modify #3–1826 by removing material as indicated to achieve final dimensions for reel bearing adjustment socket.

Bed Knife Grinding Bar *TOR31397



T–2451

*Obtain these items directly from OTC 2013 4th St. Owatonna, MN. 55060 1–800–533–0492 (in Minnesota and Canada 1–507–455–7050) Fax. 507–455–7011.

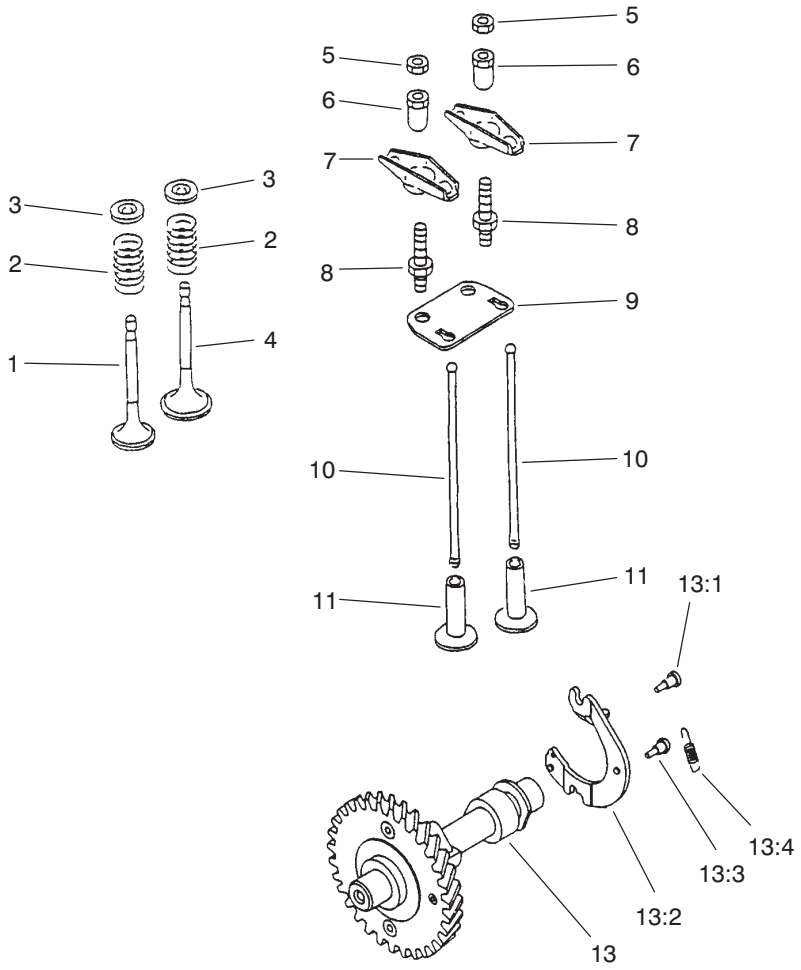


Sheet No.: 50

Crankcase Assembly
Kawasaki FE120D–CS02

Ref. No.	Part No.	Qty.	Description
1	93–8500	2	Ring–Retaining
2	93–8501	1	Pin–Piston
3	93–8502	1	Piston
3	94–6836	1	Piston–0.5 O/S
4	93–8503	1	Set–Ring, Piston
4	94–6837	1	Set–Ring, Piston (.05mm)
5	93–8504	1	Gasket–Head
6	93–8505	1	Head–Cylinder
7	93–8506	4	Bolt–Flanged
8	94–6838	4	Bolt–Flanged
9	93–8508	1	Case–Rocker
10	93–8509	2	Gasket–Rocker
11	93–8510	1	Breather
12	93–8511	2	Seal–Oil
13	93–8512	2	Pin
14	93–8513	2	Plug–Drain
15	93–8514	2	Gasket–Plug, Drain
16	93–8515	1	Crankcase
17	93–8516	2	Pin
18	93–8517	2	Bearing–Ball
19	93–8696	1	Crankshaft ASM
19:1	94–9043	1	Gear–Helical
19:2	93–8526	1	Key

Ref. No.	Part No.	Qty.	Description
21	93–8697	1	Cover–Crankcase
22	93–8521	7	Bolt–Flanged
23	94–9041	2	O–Ring
24	93–8523	2	Cap–Filter, Oil
25	93–8524	1	Stud
26	93–8525	1	Gasket–Crankcase
27	93–8698	1	Key
30	93–8528	1	Connecting Rod ASM
30:1	93–8527	2	Bolt–Rod

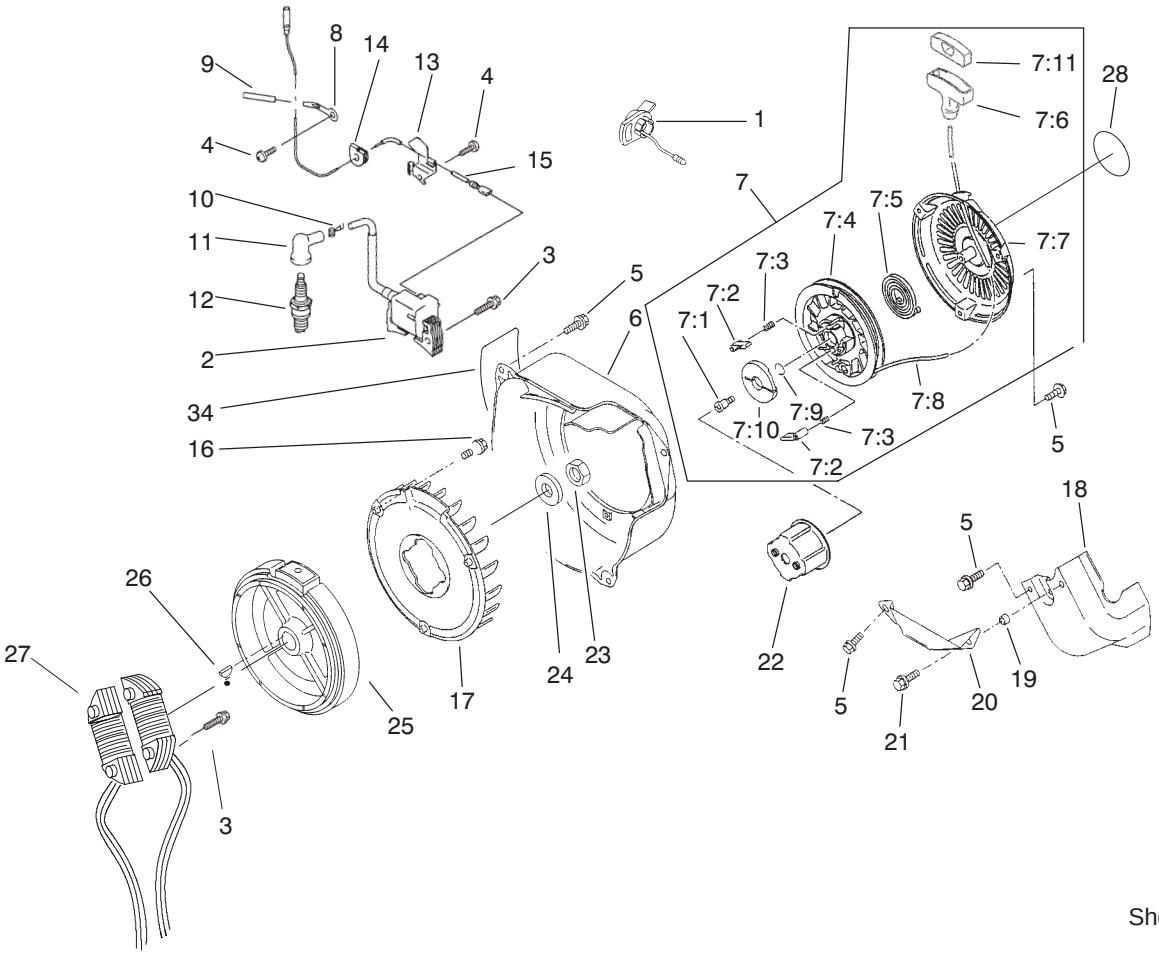


Sheet No.: 51

Camshaft and Valves Assembly
Kawasaki FE120D–CS02

Ref. No.	Part No.	Qty.	Description
1	93–8529	1	Valve–Exhaust
2	93–8530	2	Spring–Valve
3	93–8531	2	Retainer–Spring
4	93–8532	1	Valve–Intake
5	93–8533	2	Nut
6	93–8534	2	Nut
7	93–8535	2	Arm–Rocker
8	93–8536	2	Bolt
9	93–8537	1	Guide
10	93–8538	2	Rod–Push
11	93–8539	2	Tappet
13	93–8699	1	Camshaft ASM
13:1	93–8540	2	Pin
13:2	93–8543	1	Decompressor
13:3	93–8542	1	Pin
13:4	93–8541	1	Spring

Ref. No.	Part No.	Qty.	Description

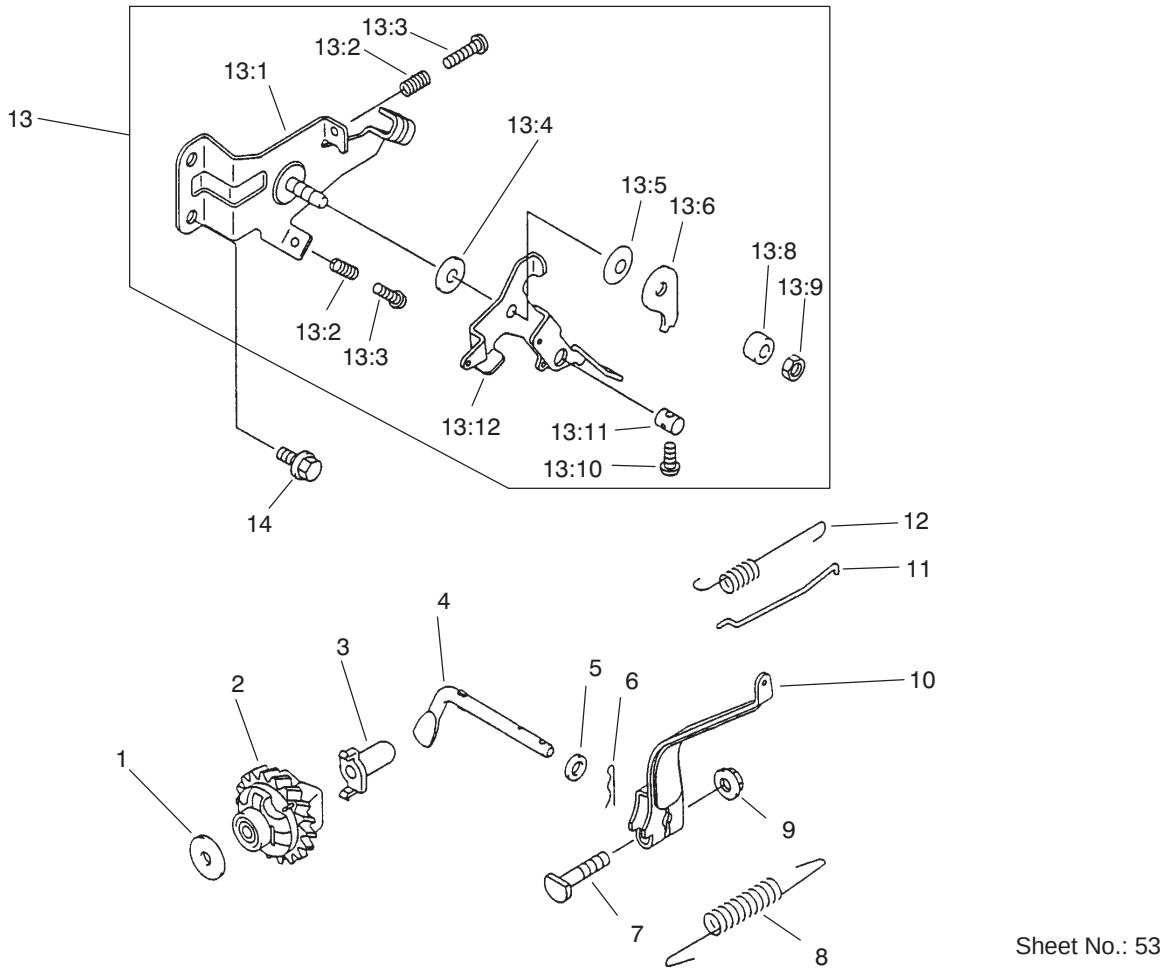


Sheet No.: 52

Ignition Assembly
Kawasaki FE120D–CS02

Ref. No.	Part No.	Qty.	Description
1	93–8546	1	Switch
2	94–9031	1	Ignition Coil ASM
3	93–8548	6	Bolt–Flanged
4	93–8549	1	Screw
5	93–8550	10	Bolt–Flanged
6	94–9047	1	Housing–Fan
7	93–8552	1	Recoil Starter ASM
7:1	93–8553	1	Screw
7:2	93–8554	2	Pawl–Recoil
7:3	93–8555	2	Spring–Return
7:4	93–8556	1	Reel–Recoil
7:5	93–8557	1	Spring
7:6	94–9045	1	Grip–Starter, Recoil
7:7	94–9046	1	Case–Recoil
7:8	93–8560	1	Rope
7:9	93–8561	1	Ring–Retaining
7:10	93–8562	1	Guide–Pawl
7:11	94–9044	1	Cap–Grip
8	94–9039	1	Clamp
9	94–9040	1	Tube
10	94–9049	1	Spring–Terminal
11	93–8585	1	Cap–Plug, Spark
12	93–8584	1	Spark Plug
13	93–8583	1	Clamp

Ref. No.	Part No.	Qty.	Description
14	93–8582	1	Grommet
15	94–9038	1	Wire–Lead
16	94–6840	3	Bolt–Flanged
17	93–8572	1	Fan
18	93–8563	1	Shroud–Engine
19	93–8564	1	Collar
20	93–8565	1	Shroud–Engine
21	93–8566	1	Bolt–Flanged
22	93–8567	1	Pulley–Recoil
23	93–8568	1	Nut
24	93–8569	1	Washer
25	99–6237	1	Flywheel ASM
26	93–8571	1	Key
27	99–4267	1	Coil–Lighting
28	94–9027	1	Label–Recoil
34	93–8689	1	Decal–Instructions

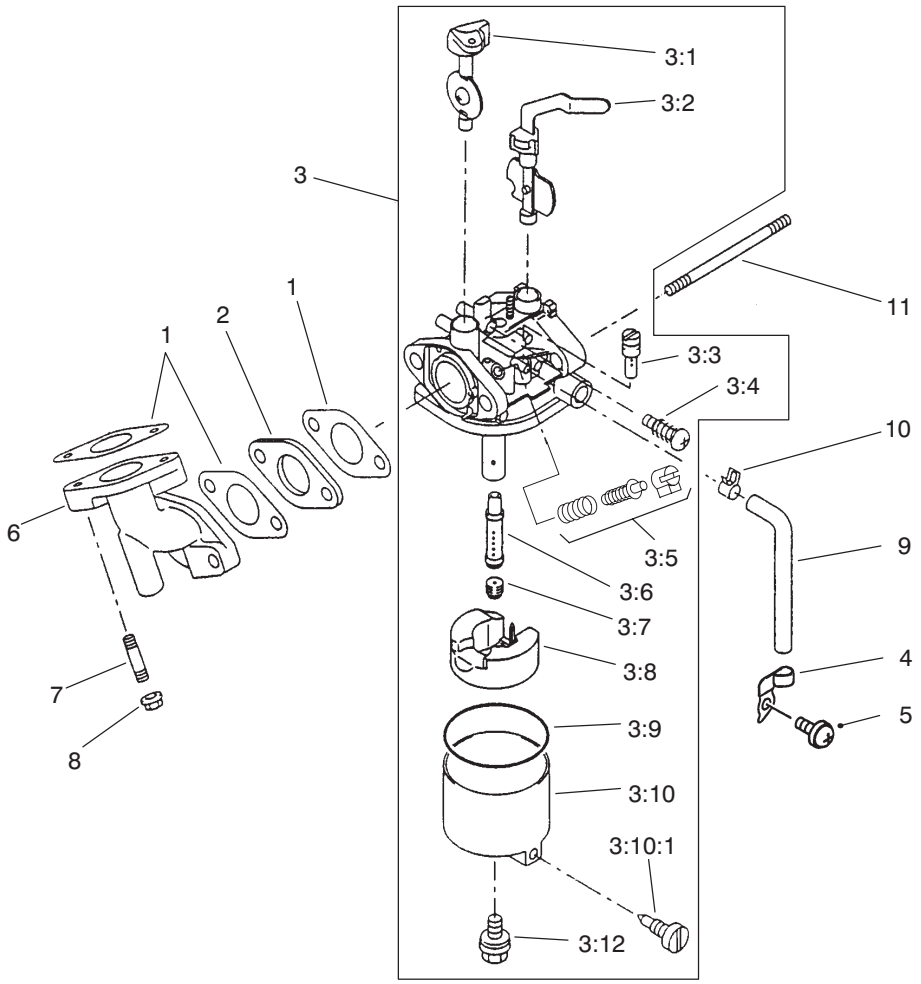


Sheet No.: 53

Governor Assembly
Kawasaki FE120D–CS02

Ref. No.	Part No.	Qty.	Description
1	94–6842	1	Washer
2	94–6841	1	Governor ASM
3	93–8610	1	Sleeve
4	93–8609	1	Arm–Pivot
5	93–8608	1	Washer
6	93–8607	1	Pin–Snap
7	93–8606	1	Bolt
8	94–9030	1	Spring–Governor
9	93–8631	1	Nut
10	93–8603	1	Arm–Governor
11	93–8602	1	Rod–Governor
12	93–8601	1	Spring
13	93–8599	1	Control ASM
13:1	93–8587	1	Bracket
13:2	93–8588	2	Spring
13:3	93–8589	2	Bolt
13:4	93–8590	1	Washer
13:5	93–8591	1	Spring
13:6	93–8592	1	Plate
13:8	93–8594	1	Spacer
13:9	93–8595	1	Nut
13:10	93–8596	1	Screw–Head, Pan
13:11	93–8597	1	Nut
13:12	93–8598	1	Lever

Ref. No.	Part No.	Qty.	Description
14	93–8600	2	Bolt–Flanged

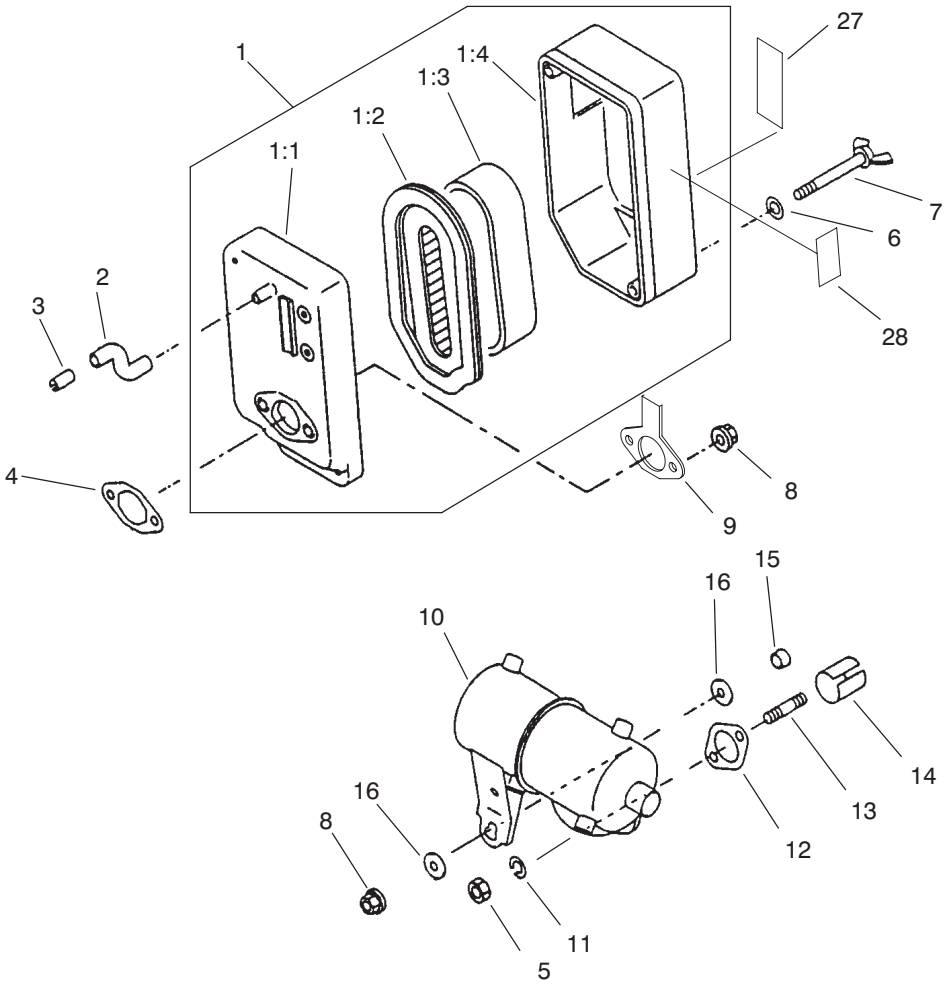


Sheet No.: 54

Carburetor Assembly
Kawasaki FE120D–CS02

Ref. No.	Part No.	Qty.	Description
1	93–8613	3	Gasket
2	94–9048	1	Insulator
3	94–9032	1	Carburetor ASM
3:1	94–9033	1	Throttle Valve ASM
3:2	93–8617	1	Valve–Choke
3:3	94–9037	1	Jet–Pilot, #40
3:4	93–8619	1	Screw ASM
3:5	94–9034	1	Limiter
3:6	94–9035	1	Nozzle–Main
3:7	94–9036	1	Jet–Main, #65
3:7	98–8736	1	Jet–Main, #60 High Alt
3:7	98–8735	1	Jet–Main, #62 High Alt
3:8	94–6844	1	Float ASM
3:9	93–8624	1	Gasket
3:10	93–8625	1	Float Chamber ASM
3:10:1	93–8626	1	Screw ASM
3:12	93–8627	1	Bolt
4	94–6846	1	Clamp
5	94–6845	1	Screw
6	93–8633	1	Pipe–Intake
7	93–8632	2	Bolt–Stud
8	93–8631	2	Nut
9	93–8630	1	Tube
10	93–8629	1	Clamp

Ref. No.	Part No.	Qty.	Description
11	93–8628	1	Bolt–Stud

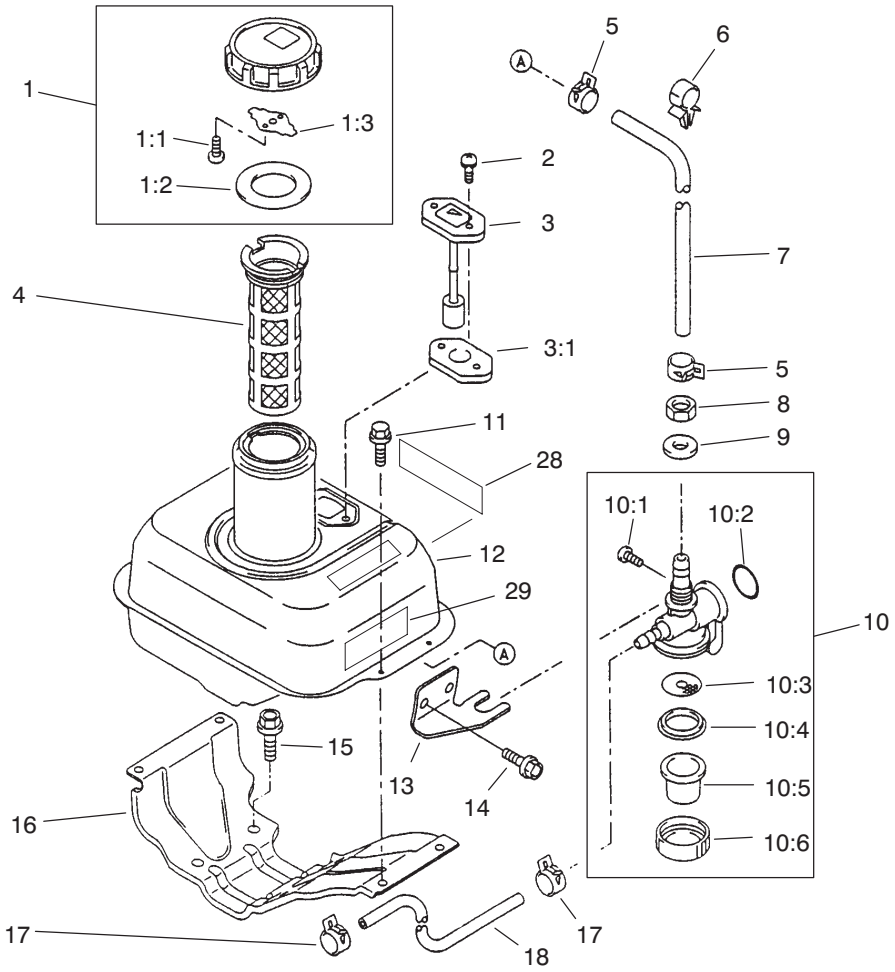


Sheet No.: 55

Air Filter and Muffler Assembly
Kawasaki FE120D–CS02

Ref. No.	Part No.	Qty.	Description
1	93–8634	1	Air Filter ASM
1:1	93–8635	1	Case Filter ASM
1:2	93–8636	1	Element–Filter, Air
1:3	93–8637	1	Element–Filter, Air
1:4	93–8638	1	Cap–Filter, Air
2	93–8659	1	Tube
3	93–8658	1	Pipe
4	93–8657	1	Gasket–Filter, Air
5	93–8656	2	Nut–Hex
6	93–8639	2	Washer
7	93–8640	2	Bolt
8	93–8631	3	Nut
9	93–8642	1	Plate–Filter, Air
10	98–3427	1	Muffler
11	93–8655	2	Washer–Spring
12	93–8654	1	Gasket–Muffler
13	94–6848	2	Bolt–Stud
14	93–8652	1	Pipe–Exhaust
15	93–8651	1	Collar
16	93–8650	2	Washer
27	93–8690	1	Decal–Maintenance
28	93–8687	1	Decal–Choke

Ref. No.	Part No.	Qty.	Description



Sheet No.: 56

Fuel Tank Assembly
Kawasaki FE120D–CS02

Ref. No.	Part No.	Qty.	Description
1	93–8660	1	Fuel Cap ASM
1:1	93–8661	2	Screw
1:2	93–8662	1	Gasket
1:3	93–8663	1	Spring
2	93–8686	2	Screw
3	93–8685	1	Gauge–Fuel
3:1	104–2384	1	Gasket–Gauge, Fuel
4	94–6826	1	Filter–Fuel
5	93–8664	2	Clamp
6	93–8665	1	Clamp
7	93–8666	1	Tube
8	94–9042	1	Nut
9	93–8668	1	Washer
10	93–8669	1	TAP ASM
10:1	93–8670	1	Screw
10:2	93–8671	1	O–Ring
10:3	94–6849	1	Filter–TAP
10:4	93–8673	1	Gasket
10:5	93–8674	1	Cup–TAP
10:6	93–8675	1	Nut
11	93–8683	4	Bolt
12	104–2382	1	Tank–Fuel
13	93–8681	1	Bracket
14	93–8680	2	Bolt–Flanged

Ref. No.	Part No.	Qty.	Description
15	94–6825	4	Bolt–Flanged
16	104–2383	1	Bracket–Tank
17	93–8676	2	Clamp
18	93–8677	1	Tube
28	94–9028	1	Label–Kawasaki
29	93–8692	1	Decal–Warning


TORO®