



Greensmaster® 500

Traction Unit

Model No. 04130—200000501 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.

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

Description	Page
Guard and Bedknife Assembly	16
Bearing Housing Assembly for Roller Assembly No. 39–9590	17
Reel and Bearing Assembly NO. 4–2219	18
Special Tools	19–20
Crankcase Assembly	21
Camshaft and Valves Assembly	22
Ignition Assembly	23
Governor Assembly	24
Carburetor Assembly	25
Air Filter and Muffler Assembly	26
Fuel Tank Assembly	27

Accessories

Description	Model / Part No.
Brush Kit	2–2949
Urethane Comb Kit	8–2560
Bedknife, Low Cut	88–8990
Spark Arrester Muffler Kit	98–3426
Cutting Unit (without roller)	04215
Sectional Roller	4–7319

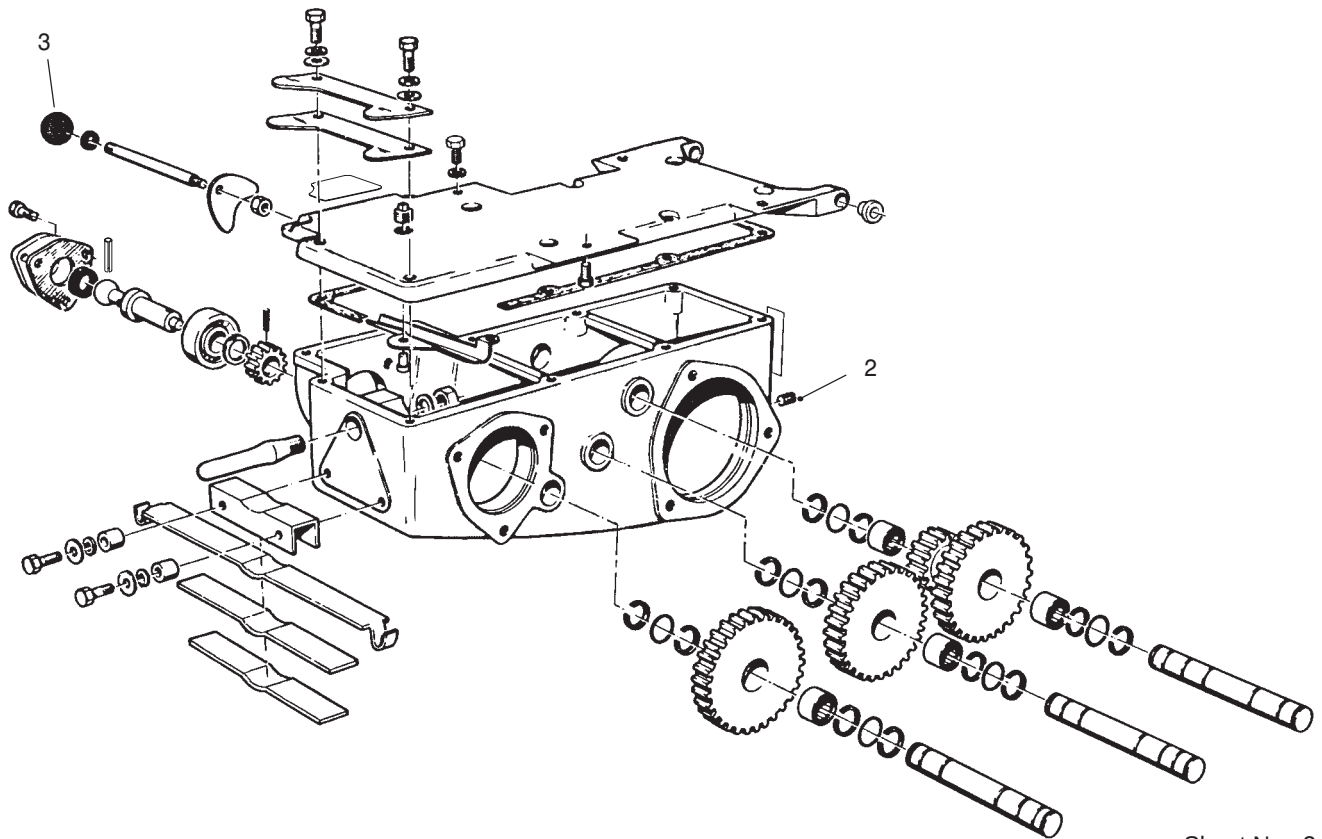
Description	Model / Part No.
Skid Kit	4–7299
Full Roller Kit	4–7309
Micro–Cut Bedknife 1/16 HOC	95–3147
Wiehle Roller, Rear Cutting Unit	100–1556
Light Kit	04058

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

Abbreviation	Meaning
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

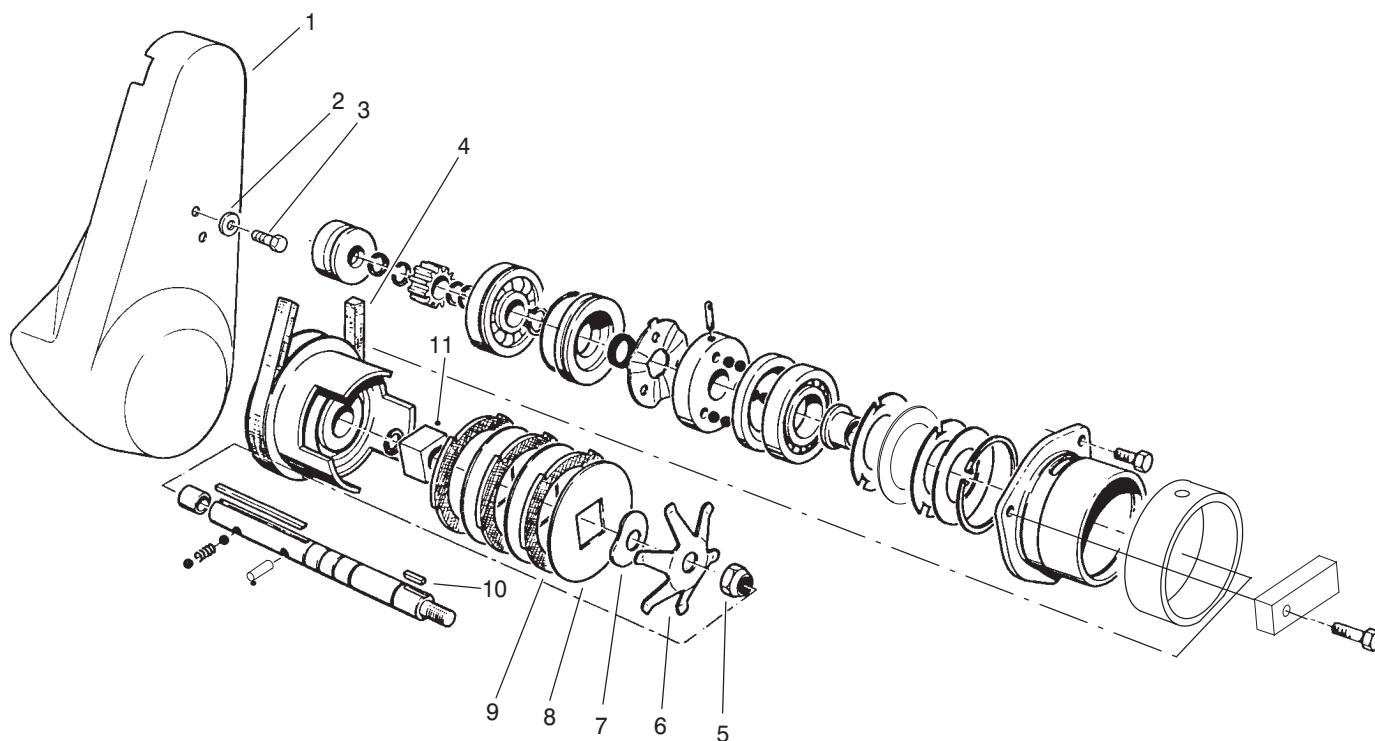


Sheet No.: 2

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

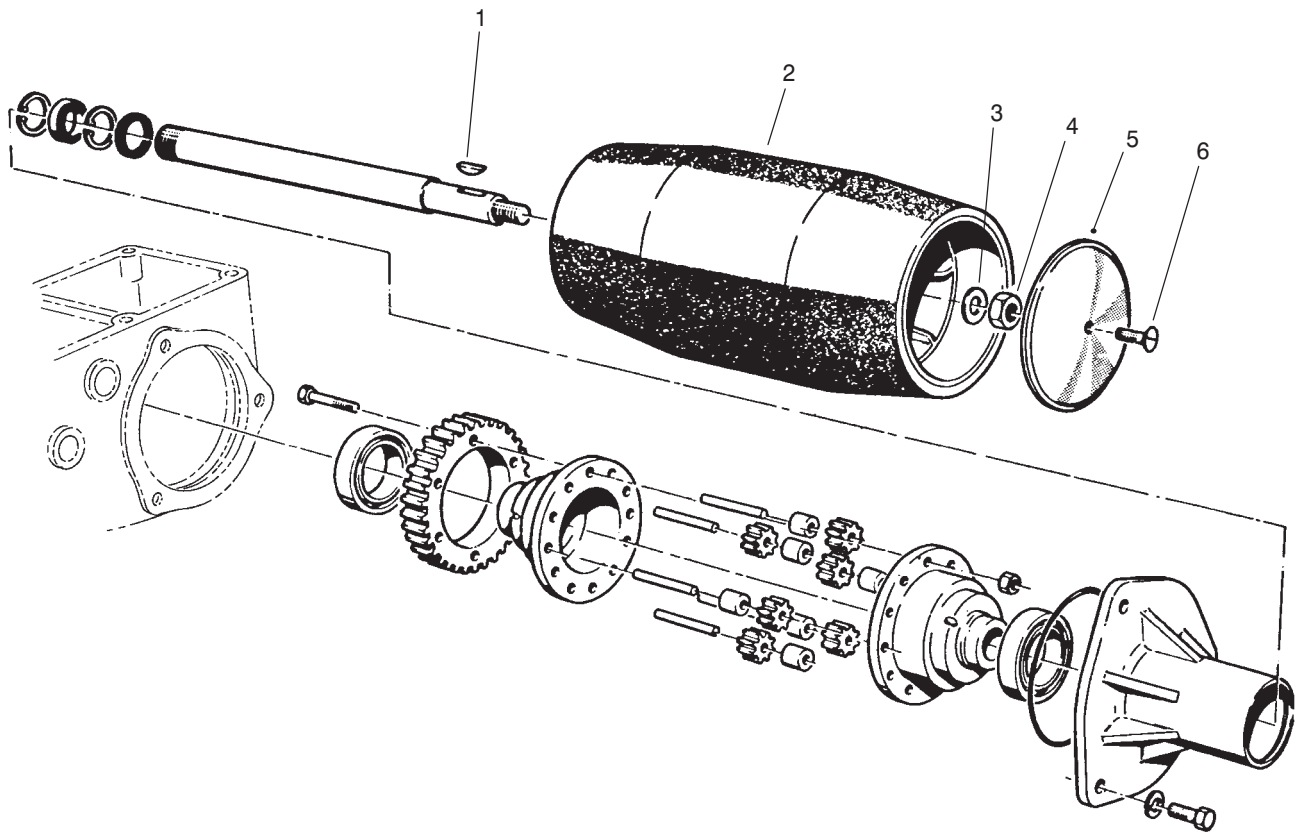


Sheet No.: 3

Clutch Shaft Assembly

Ref. No.	Part No.	Qty.	Description
1	88-8740	1	Guard-Belt
2	3253-3	2	Washer-Lock/Sp
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	Clutch Plate
9	99-5902	3	Disc-Clutch
10	3-6801	1	Key
11	3-0472	1	Driver-Clutch

Ref. No.	Part No.	Qty.	Description

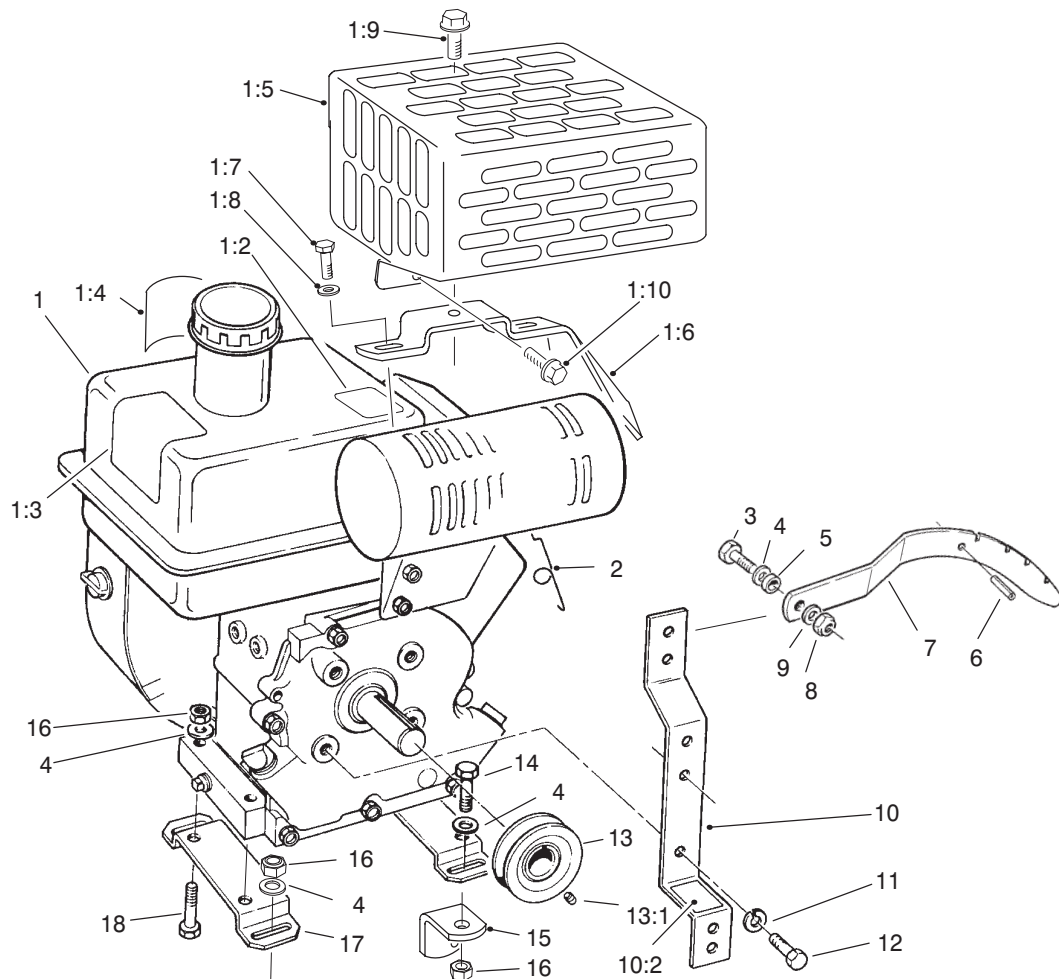


Sheet No.: 4

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	Hub Cap
6	32108-50	2	Screw

Ref. No.	Part No.	Qty.	Description

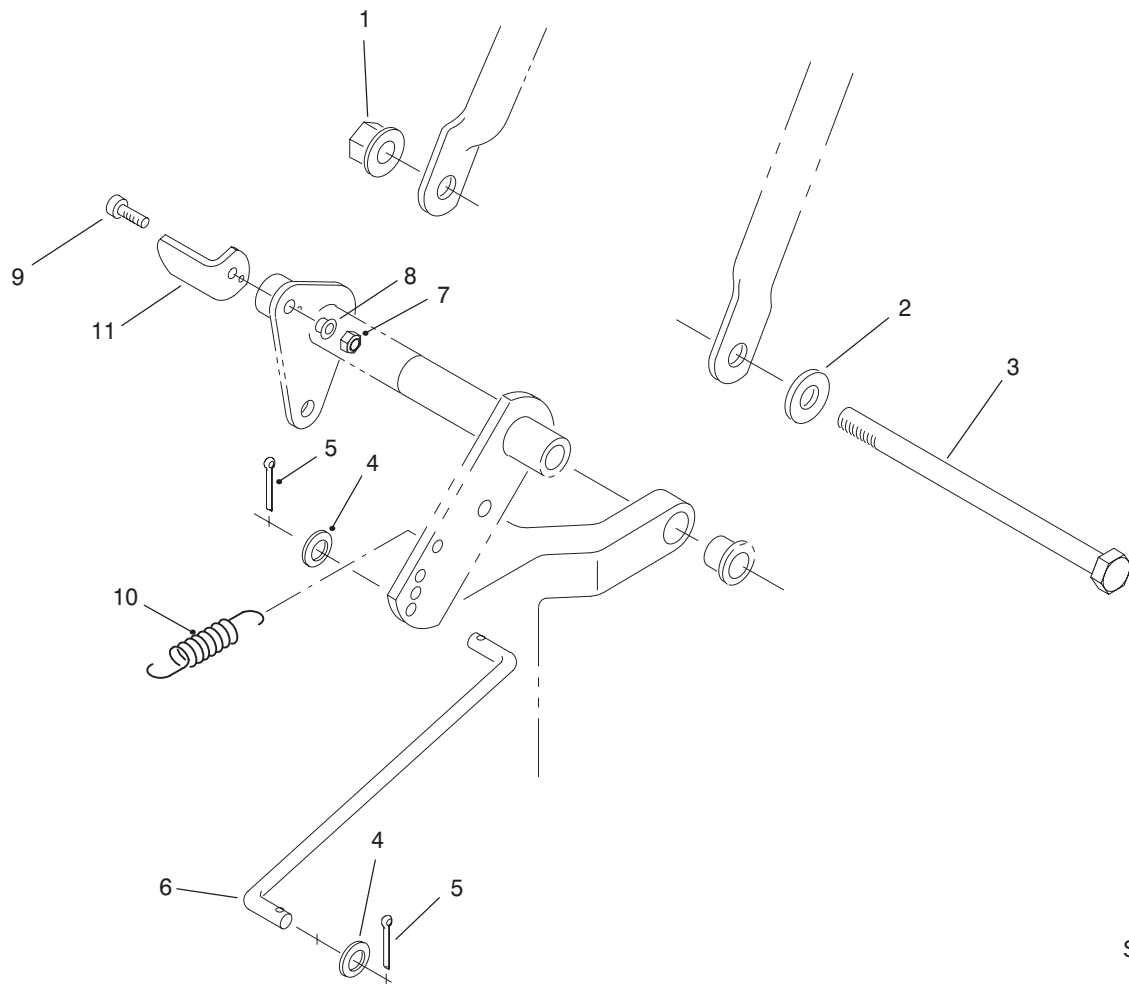


Sheet No.: 5

Engine Assembly

Ref. No.	Part No.	Qty.	Description
1	99-4265	1	Engine ASM
1:2	83-2560	1	Decal-Hot Surface (Japan)
1:2	93-8069	1	Decal-Surface, Hot
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 - Muffler Guard
1:7	33113-012	2	Screw-HH
1:8	3256-22	2	Washer-Flat
1:9	46-6810	1	Screw & 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, ASM
10:2	93-9356	1	Decal-Warning, Belt
11	3253-31	2	Washer-Lock/Sp
12	33114-020	2	Screw-HH

Ref. No.	Part No.	Qty.	Description
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

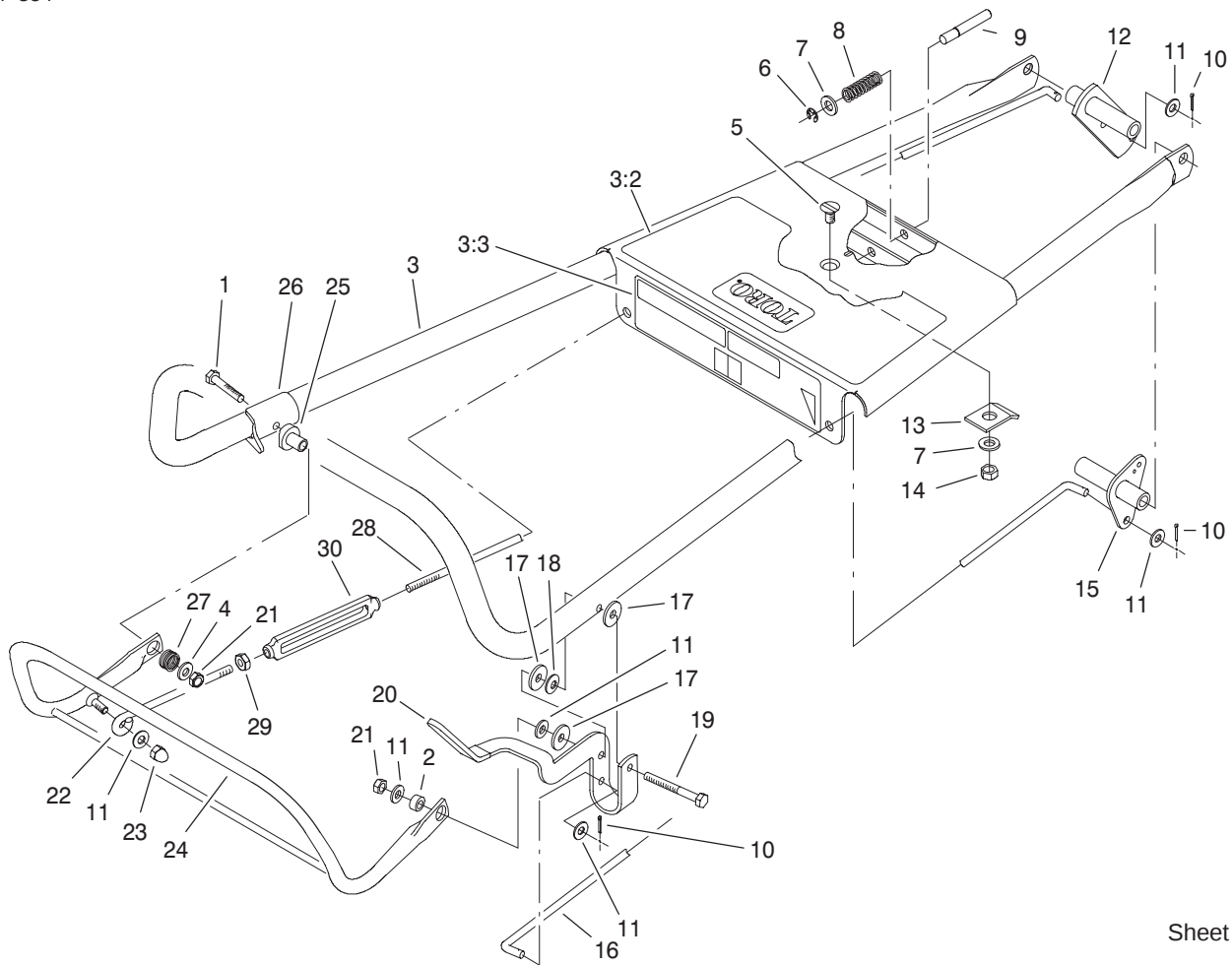


Sheet No.: 6

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	Brake Spring
11	98-3437	1	Stop - Throttle

Ref. No.	Part No.	Qty.	Description

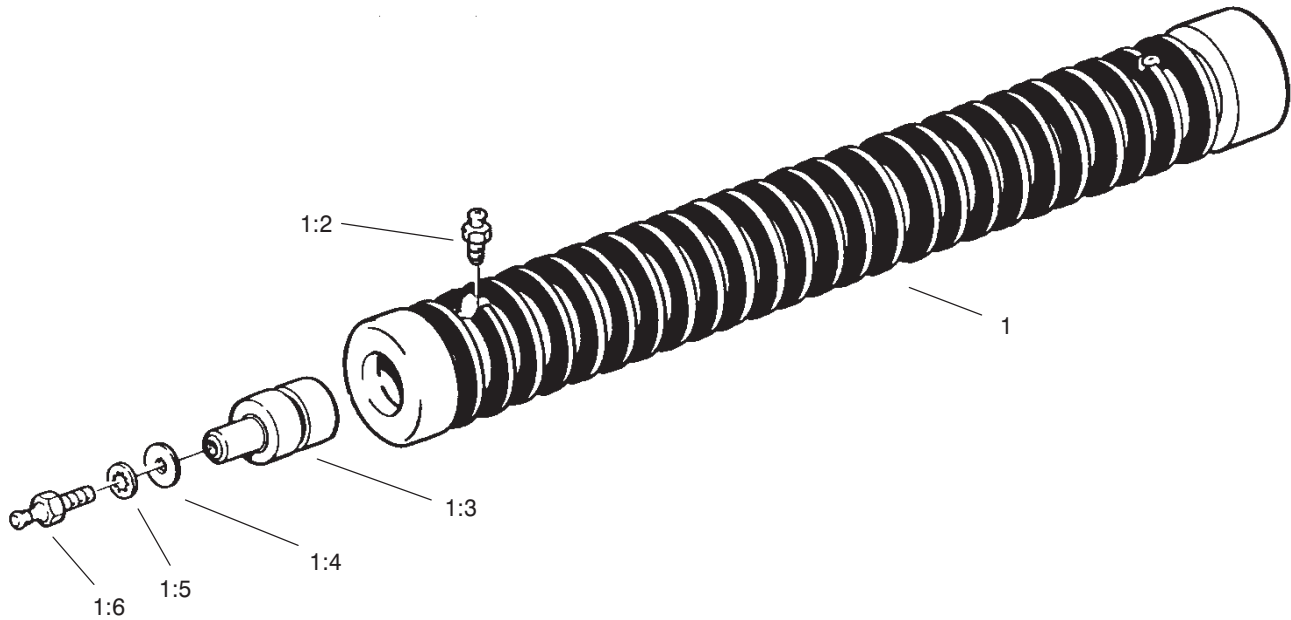


Sheet No.: 7

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	Clutch Cont Rod
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	Cap Nut

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



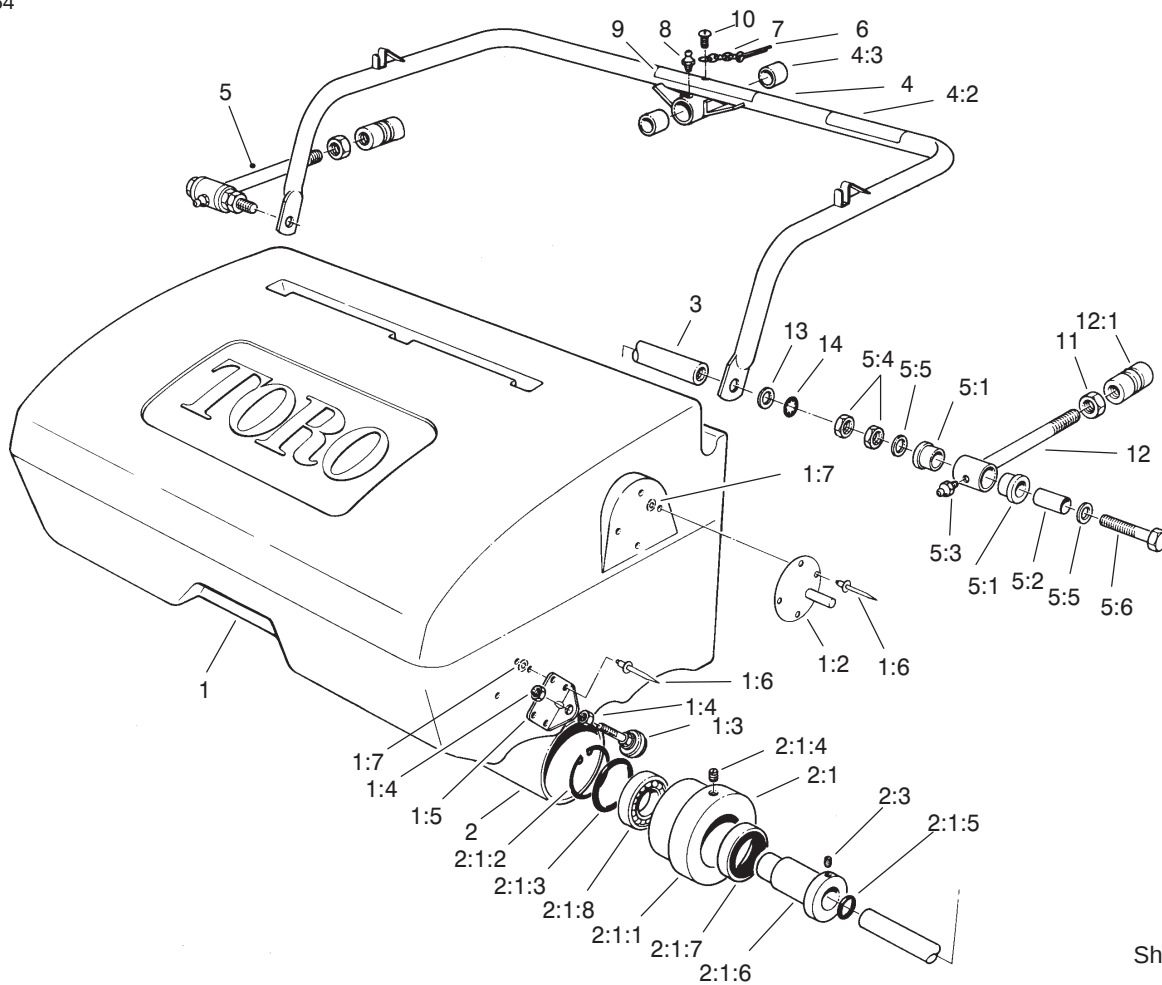
Sheet No.: 9

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-Lube
1:3	88-8890	2	Bearing-Wiehle Roller
1:4	3256-24	2	Washer-Flat
1:5	3254-6	2	Washer-Lock, Int.
1:6	94-2958	2	Stud-Ball

Ref. No.	Part No.	Qty.	Description

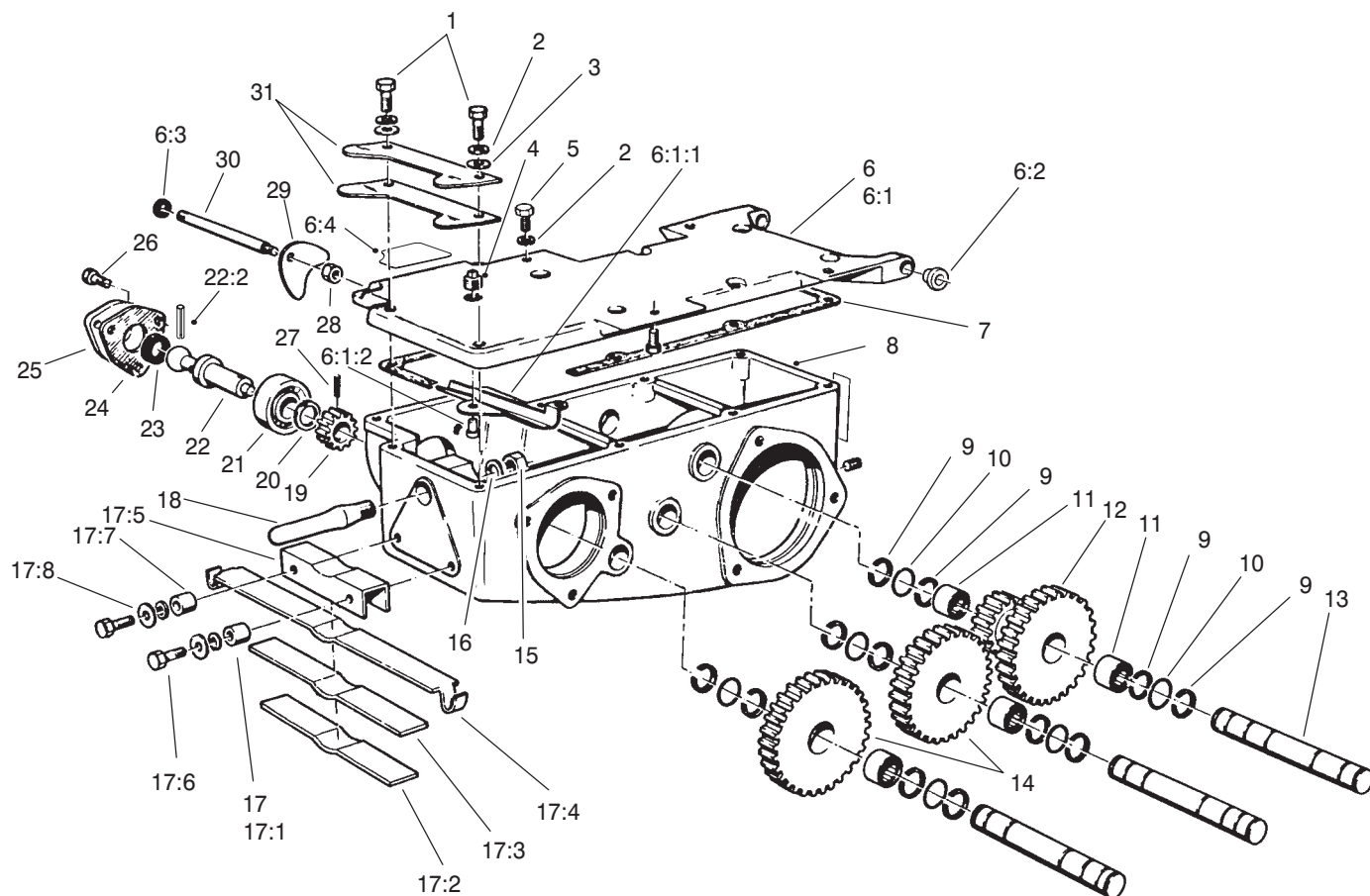


Sheet No.: 10

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-Adjust, Level
1:4	3218-2	4	Nut-Jam
1:5	5-3464	2	Adjusting Bracket
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-Snap, Internal
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
4:3	3-2156	2	Bushing
5	3-4510	2	Pull Arm ASM
5:1		1	Pull Arm & Bshg ASM
5:1:1	3-1506	2	Bushing
5:2	3-3436	1	Sleeve

Ref. No.	Part No.	Qty.	Description
5:3	302-5	1	Fitting-Lube
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-Lube
9	3-1828-01	1	Wear Plate
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, Int.

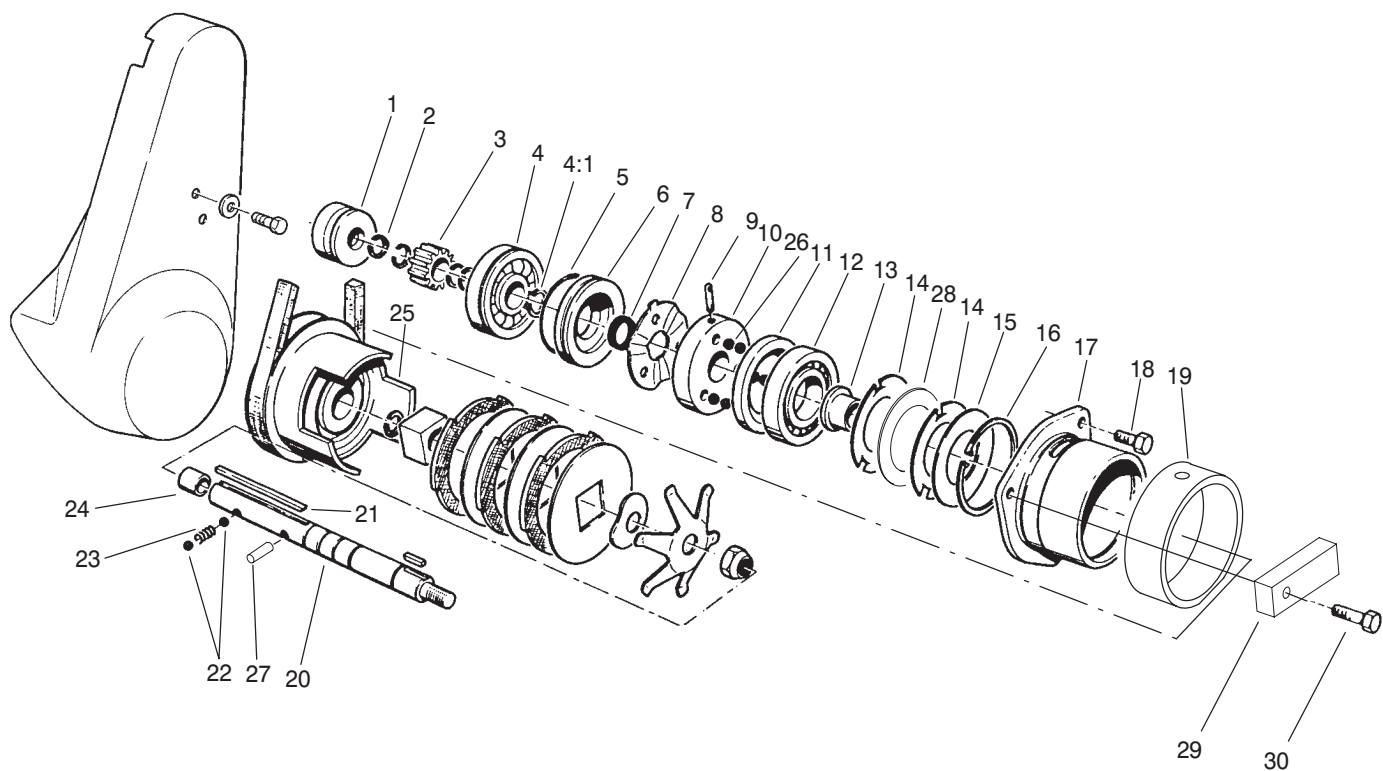


Sheet No.: 60

Transmission Assembly

Ref. No.	Part No.	Qty.	Description
1	321-11	2	Screw-HH
2	3253-3	10	Washer-Lock/Sp
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	Intermediate Gear
13	3-0455	3	Idler Shaft
14	3-0456	2	Idler Gear
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	Lower Leaf
17:3	99-6899	1	Leaf - Center

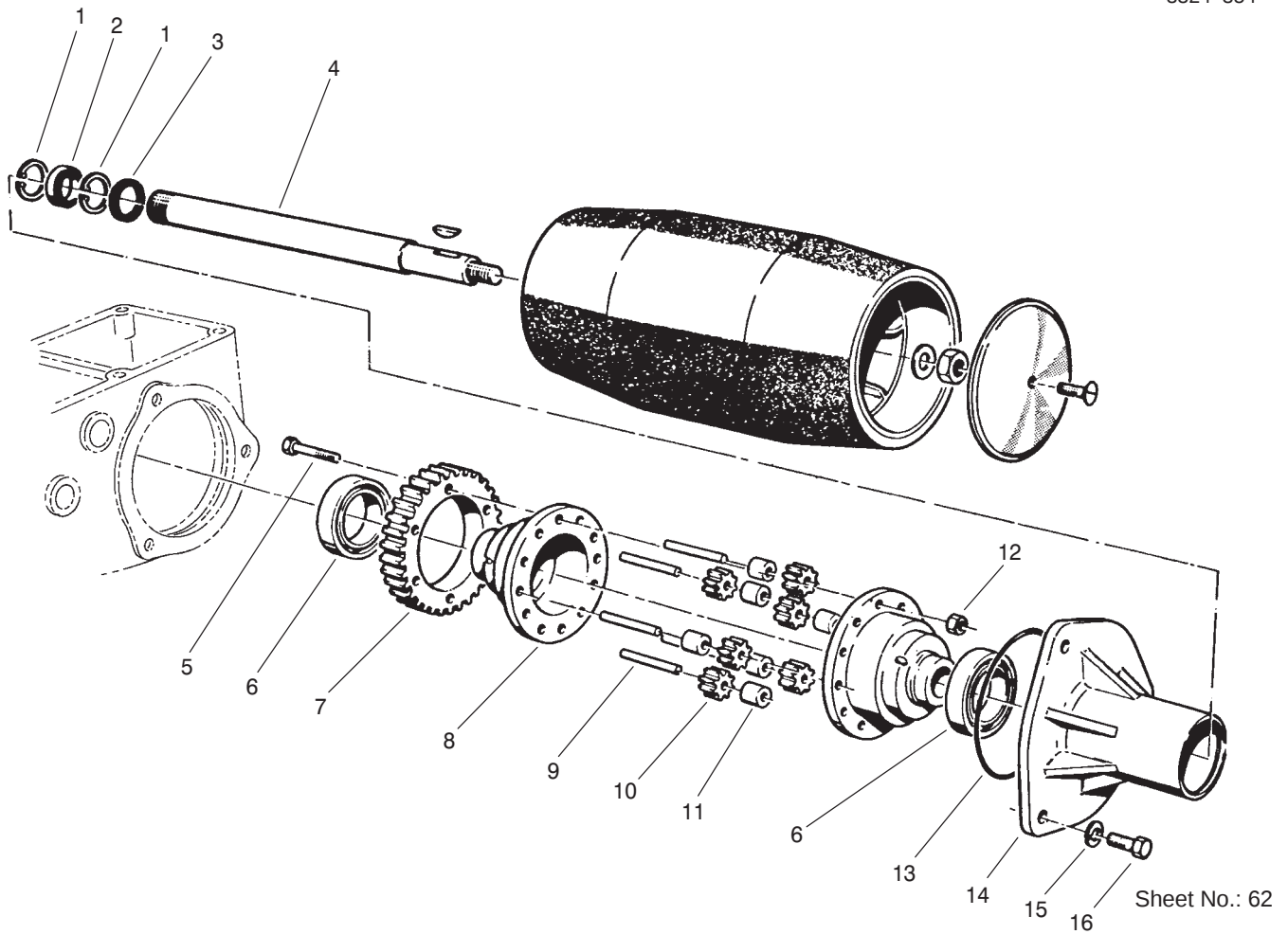
Ref. No.	Part No.	Qty.	Description
17:4	92-4995	1	Main Leaf
17:5	92-4992	1	Lift Spring Bracket
17:6	322-8	2	Screw-HH
17:7	3254-2	2	Washer-Lock, Internal
17:8	3256-23	2	Washer-Flat
18	95-1810	1	Yoke Pivot
19	3-0592	1	Clutch-Reel, Male
20	3-4494	1	Thrust Washer
21	251-163	1	Bearing-Ball
22	2-4779	1	Univ Driver & Pin ASM
22:2	32121-25	1	Pin-Roll
23	253-59	1	Seal-Oil
24	3-2072	1	Bearing Seal
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	Shift Fork
30	3-0486	1	Reel Clutch Rod
31	3-1830	2	Flat Spring



Sheet No.: 61

Clutch Shaft Assembly

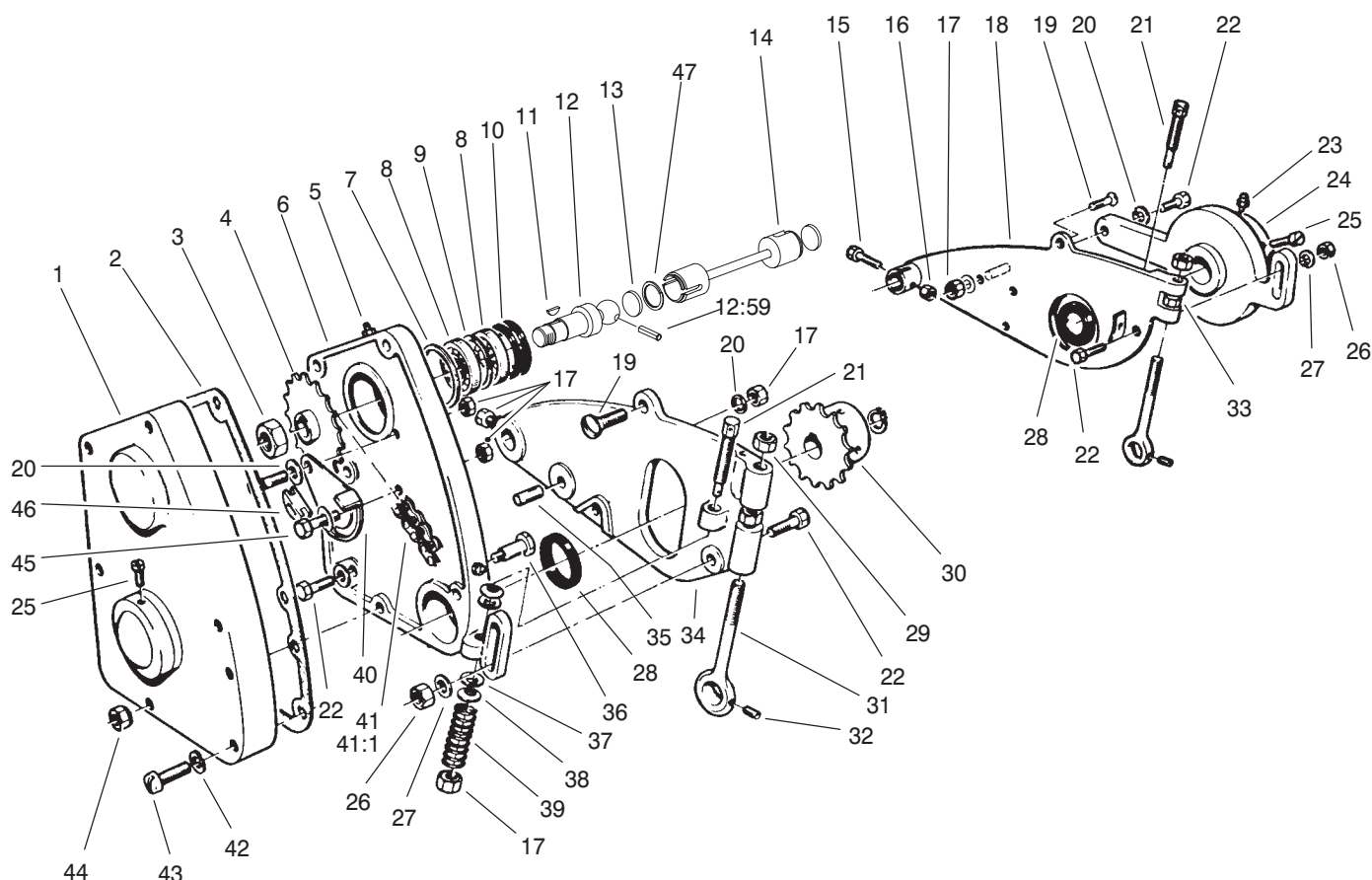
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	3-0465	1	Female Clutch	26	255-8	6	Ball-Steel
2	32120-64	5	Ring-Snap, External	27	32121-45	1	Pin-Spring
3	88-8700	1	Gear-Pinion	28	88-9030	1	Washer - Special
4	251-139	1	Bearing-Ball	29	100-3396	1	Stop-Clutch Lever
4:1	251-149	1	Ring-Snap	30	321-8	1	Screw-HH
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	Clutch Actuator				
11	3-0471	1	Clutch Backing Plate				
12	251-140	1	Bearing-Ball				
13	3-4066	1	Bushing				
14	3290-264	2	Washer-Wave				
15	3-0481	1	Washer-Clutch				
16	32120-65	1	Ring-Snap				
17	5-1423	1	Clutch Housing				
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	3-0480	1	Pulley-Clutch				



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	3-8392	2	Axle
5	3273-23	6	Screw-HS
6	251-138	2	Bearing-Ball
7	3-0454	1	Ring Gear
8	3-0450	2	Case-Differential
9	3-0452	6	Shaft-Gear, Differential
10	3-3858	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
16	322-4	6	Screw-HH

Ref. No.	Part No.	Qty.	Description

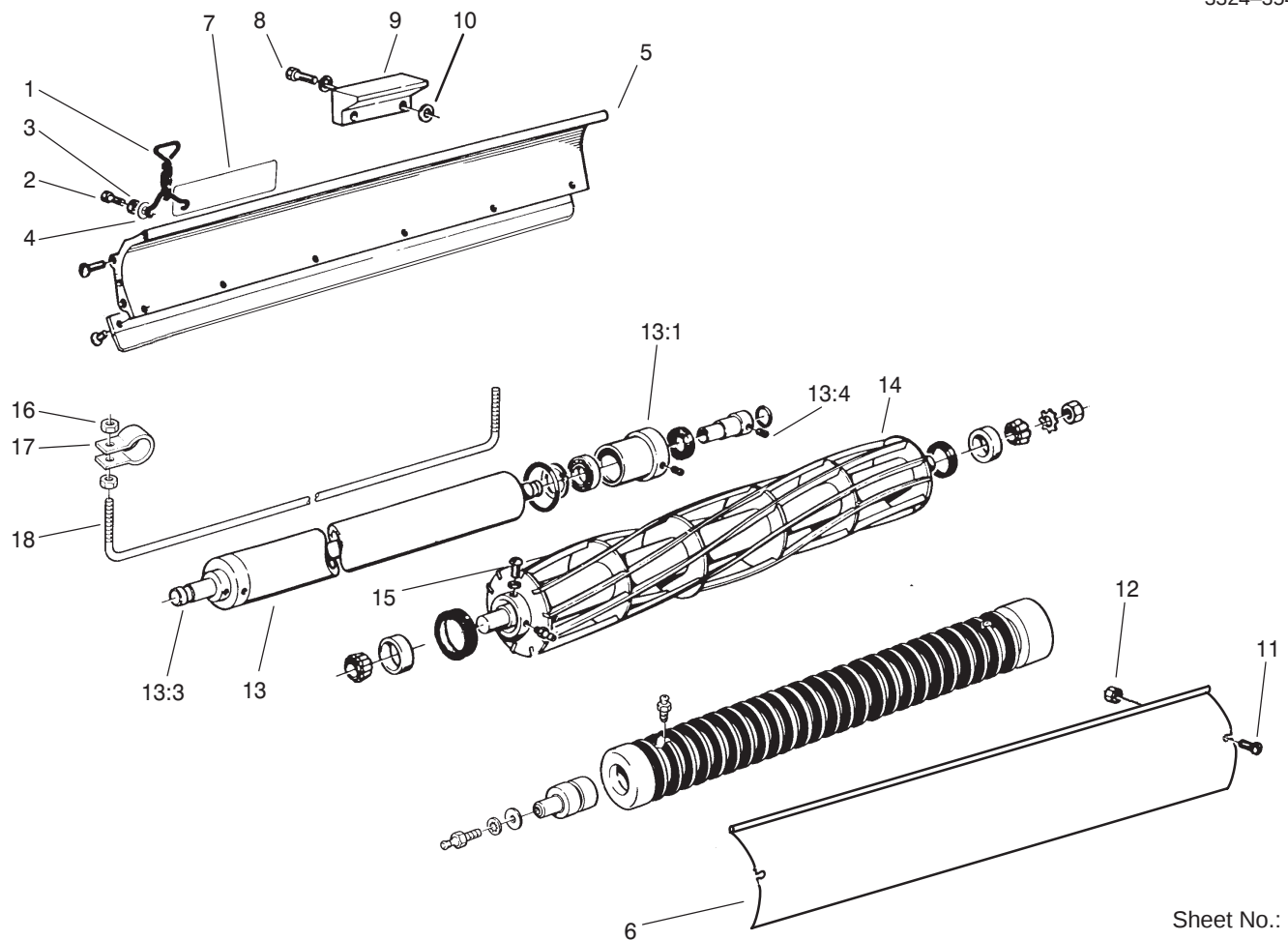


Sheet No.: 70

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-Lube
6	3-5786-01	1	Reel Bracket 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	LH Side Plate
19	3290-141	6	Screw-HSFH
20	3256-22	4	Washer-Flat
21	3-5793	2	Reel Adjustment Screw
22	329-13	4	Screw-HH
23	302-14	2	Vent Fitting
24	3-6524-01	1	Reel Bracket
25	3274-26	2	Screw-HSH

Ref. No.	Part No.	Qty.	Description
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	Reel Sprocket
31	3-5785	2	Roller Adj Screw
32	3245-7	2	Screw
33	3217-9	2	Nut-HH
34	3-5784-01	1	RH Side Plate
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	Roller Chain
41:1	2710-31	1	#35 Connecting Link
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	Chain Idler Shoe
47	32120-69	1	Ring-Snap

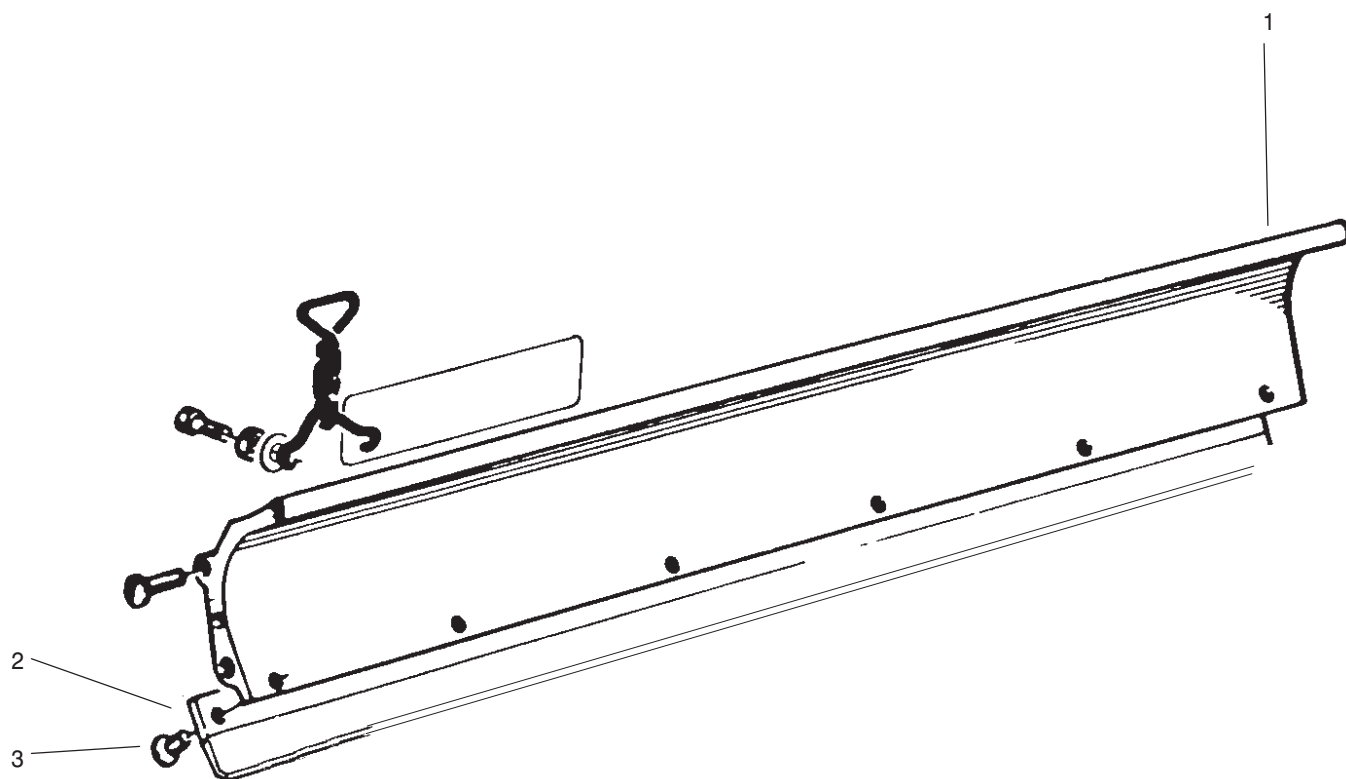


Sheet No.: 71
T-3445

Bedknife, Reel, and Roller Assembly

Ref. No.	Part No.	Qty.	Description	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/Sp				
4	3-0988	2	Lift Bail				
★5		1	Guard & Bedknife ASM				
6	3-2057-01	1	Reinf & Gr Shield				
7	93-6688	1	Decal-Danger				
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-Keps				
17	88-9010	2	Bracket - Scraper				
18	88-9020	1	Rod - Scraper				

★ Not Serviced



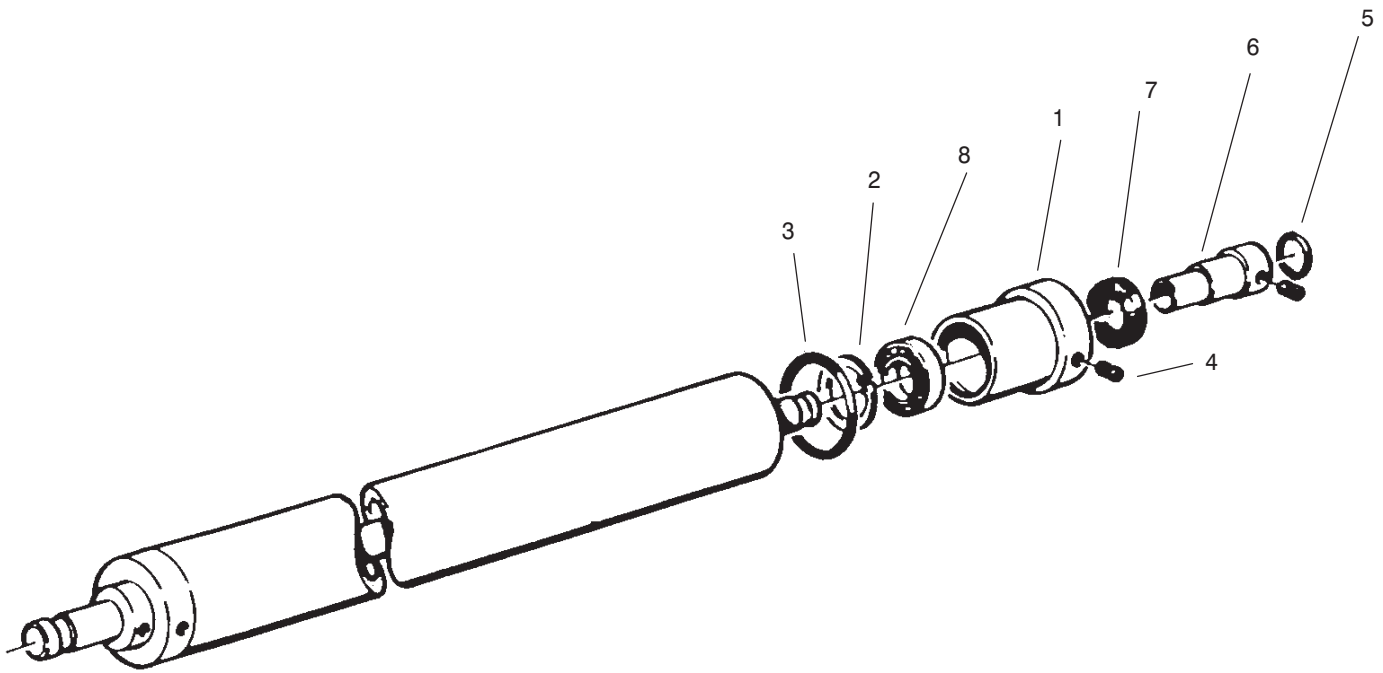
Sheet No.: A1

T-3613

Guard and Bedknife Assembly

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

Ref. No.	Part No.	Qty.	Description



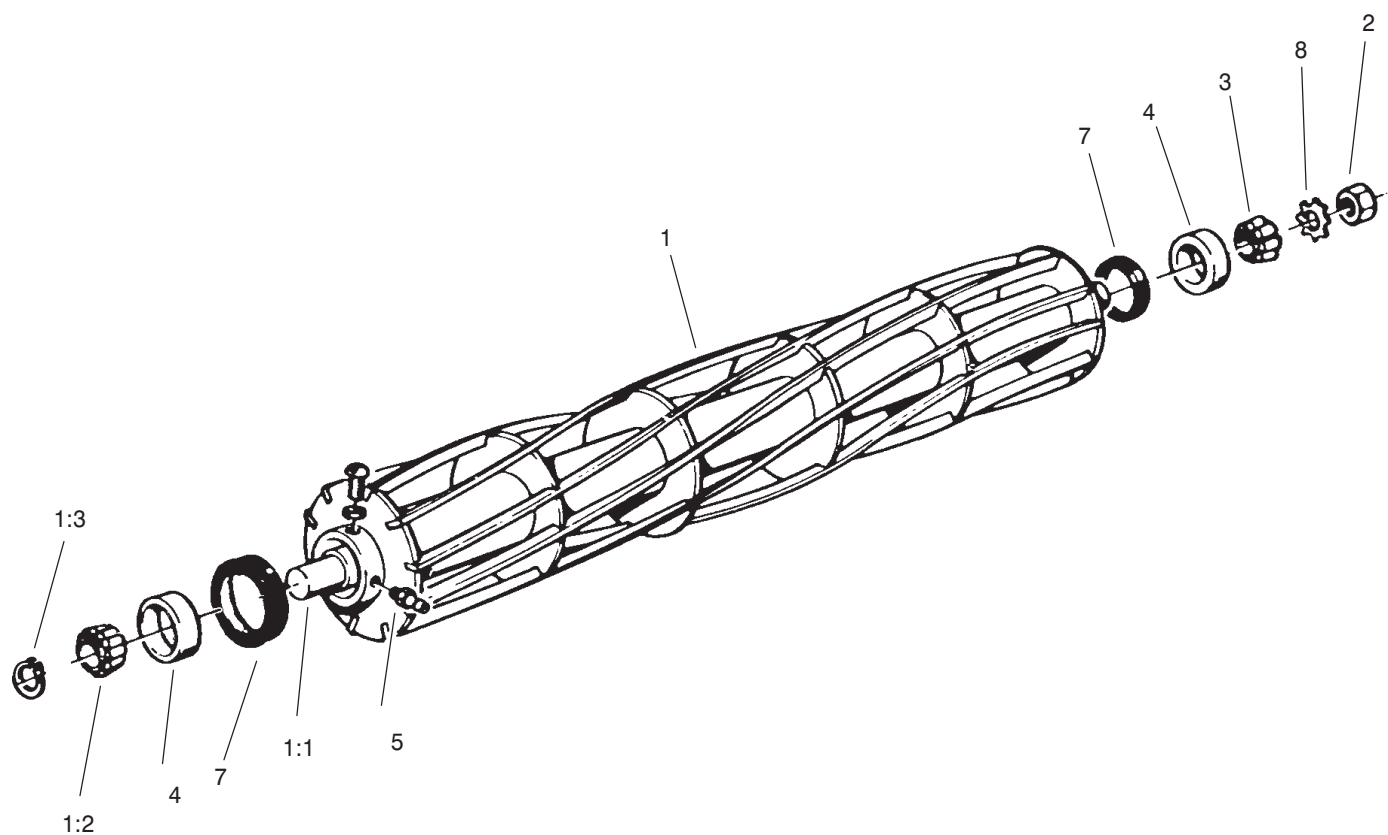
Sheet No.: A2

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-Snap, Internal
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

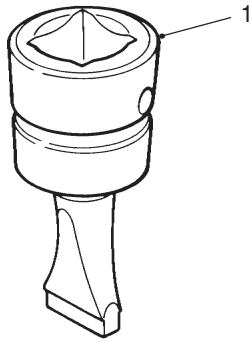
Real and Bearing Assembly NO. 4-2219

Ref. No.	Part No.	Qty.	Description
1		1	Reel & Bearing ASM
1:1	5-1393	1	Reel Shaft
1:2	254-68	1	11/16 Roller Brg Cone
1:3	32151-12	1	Ring-Retaining
2	254-86	1	Locknut
3	254-68	1	11/16 Roller Brg Cone
4	254-67	2	1.570 Roller Brg Cup
5	302-5	2	Fitting-Lube
7	253-120	2	3/4 X .250 Oil Seal
8	254-87	1	Lockwasher

Ref. No.	Part No.	Qty.	Description

Special Tools

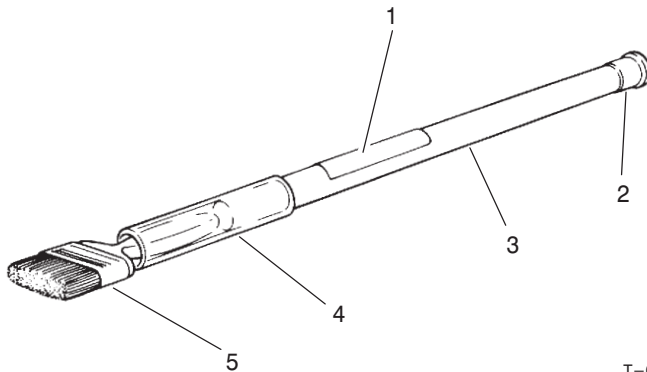
BEDKNIFE SCREW TOOL NO. *TOR510880



T-0729

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

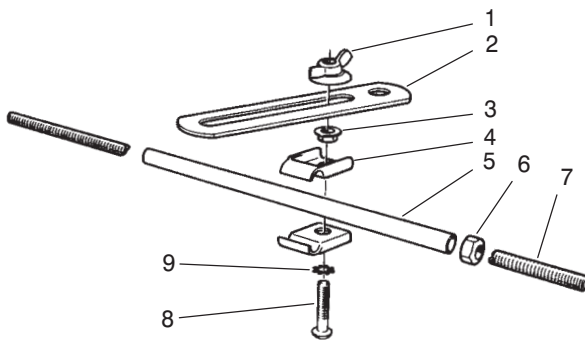
BACKLAPPING BRUSH ASSEMBLY NO. *TOR299100



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

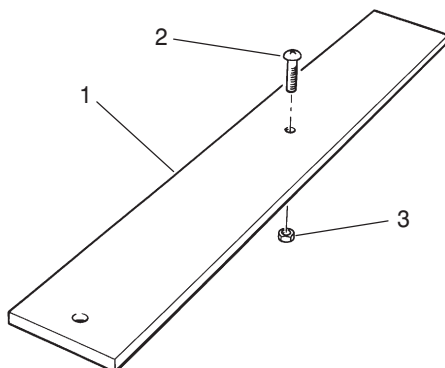
ALIGNMENT TOOL NO. TOR200120



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



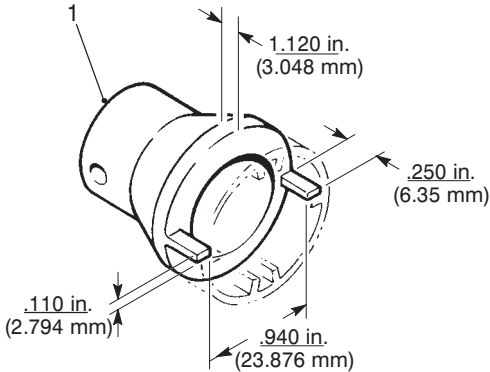
T-1151

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

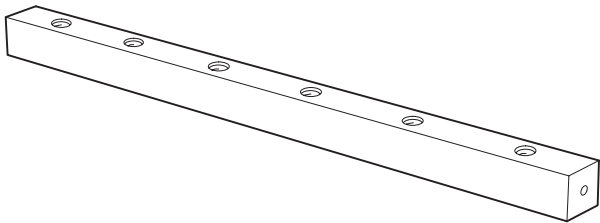
REEL BEARING ADJUSTMENT SOCKET NO. *TOR31826



T-0480

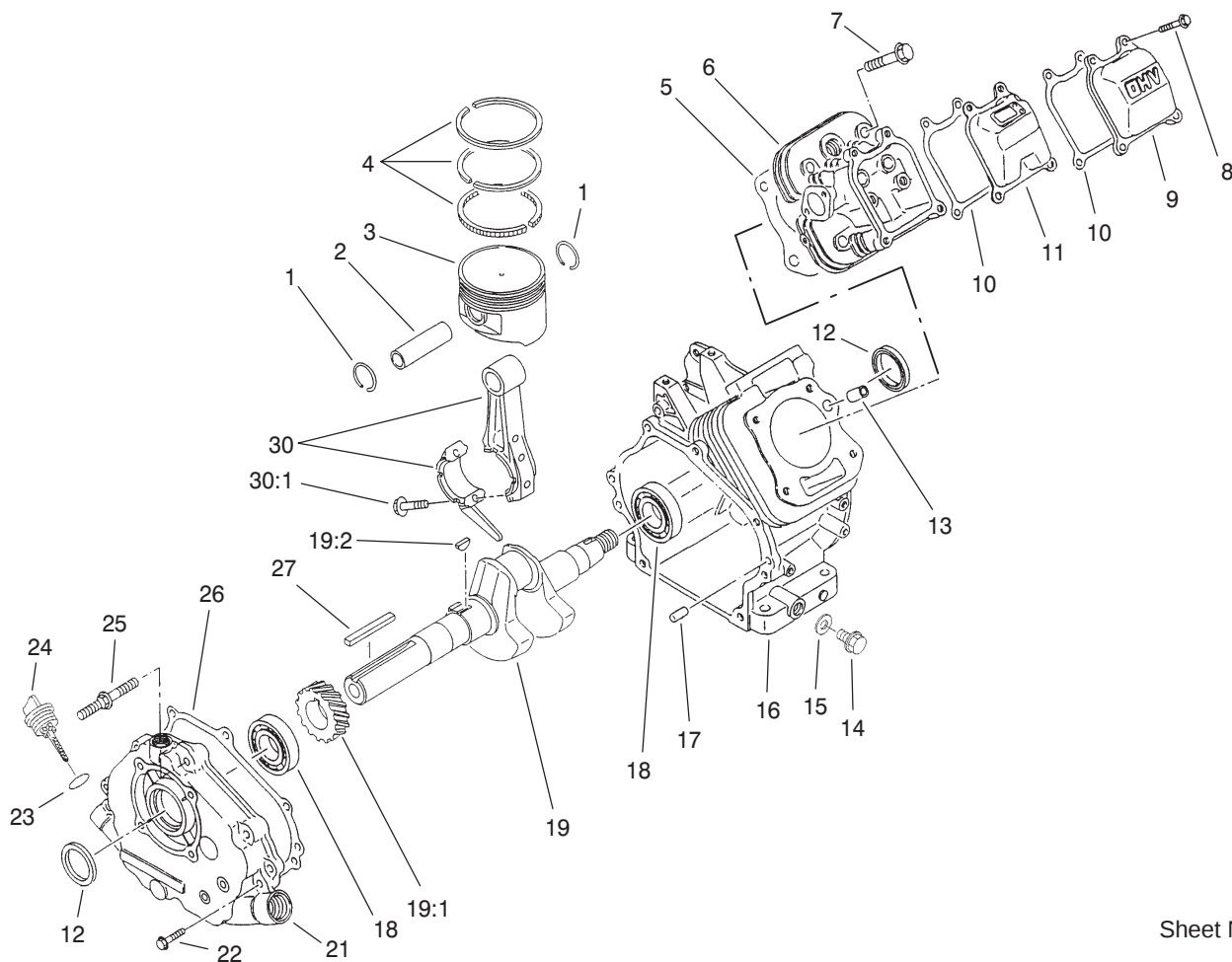
Ref No.	Part No.	Qty.	Description
1		1	Pinion Removal Tool Note: Modify #3-1826 by removing material as indicated to achieve final dimensions for bearing adjustment socket.
reel			

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.



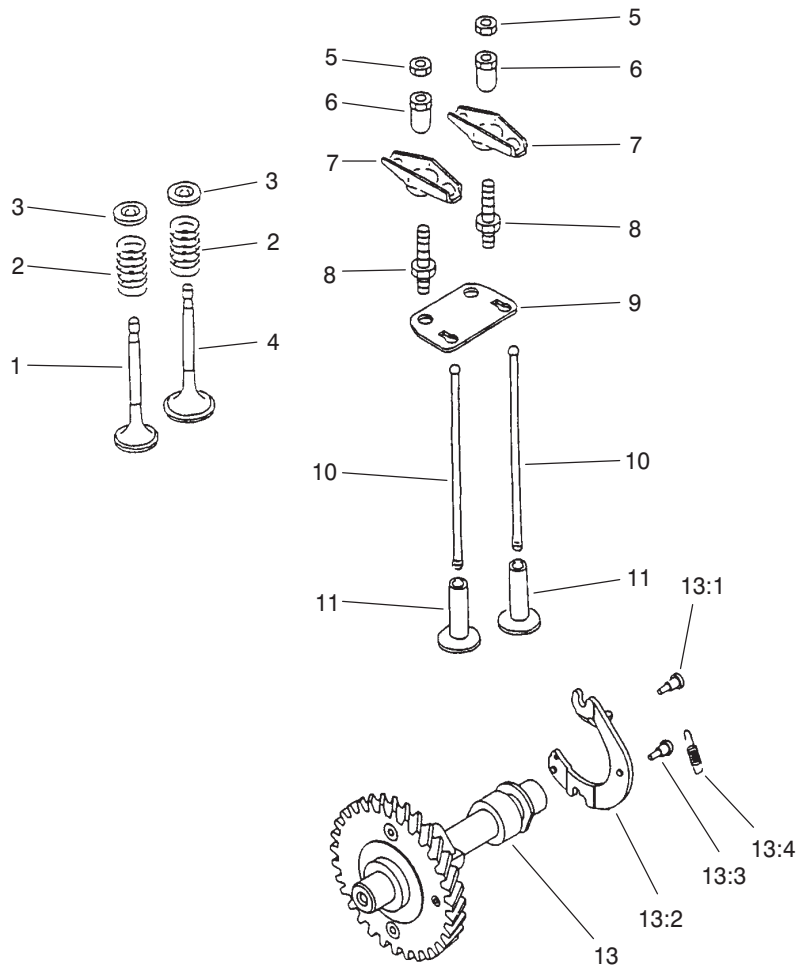
Sheet No.: 50

Crankcase Assembly

Part No. 99-4265 Engine, Model 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	Piston Ring Set
4	94-6837	1	Piston Ring Set – .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–Drain Plug
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

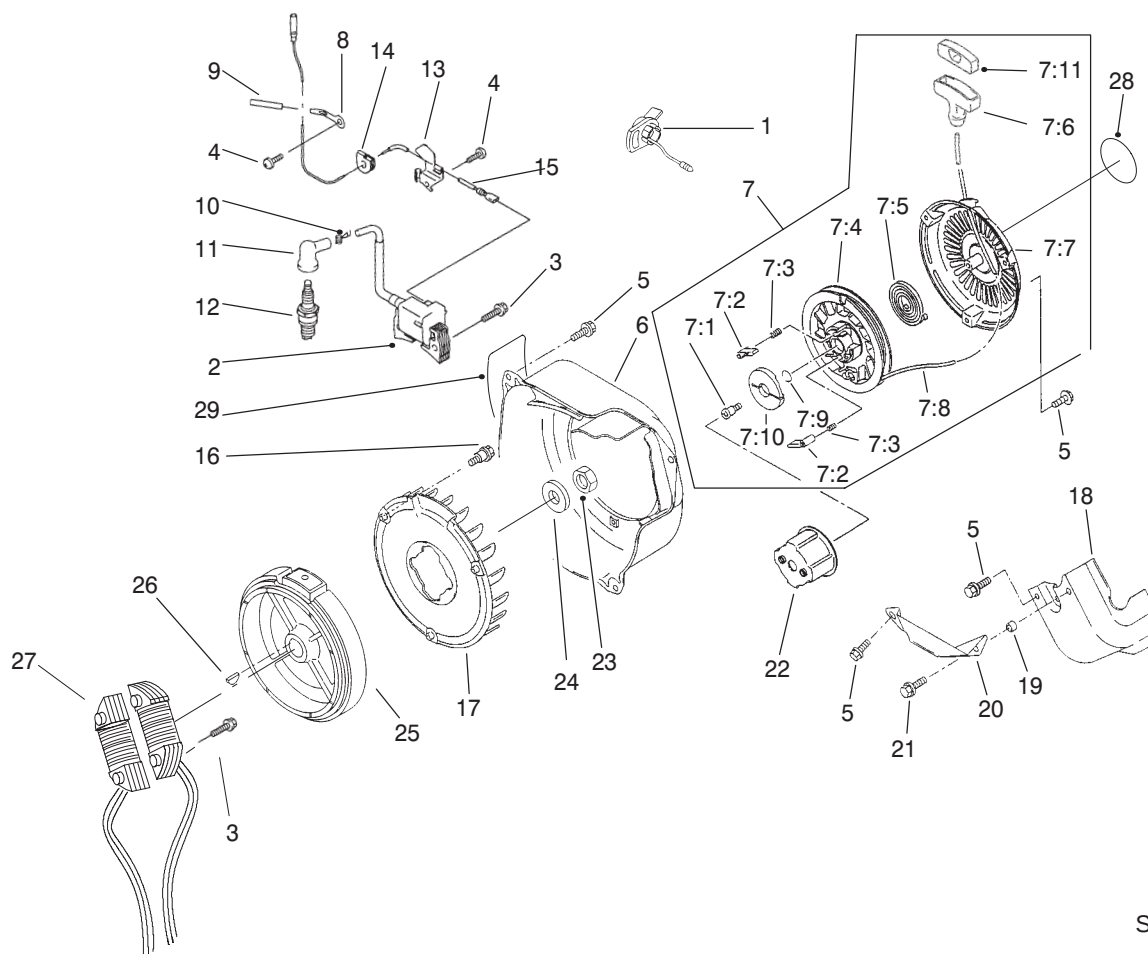
Ref. No.	Part No.	Qty.	Description
21	93-8697	1	Crankcase Cover
22	93-8521	7	Bolt–Flanged
23	94-9041	2	Seal – O–Ring
24	93-8523	2	Cap–Oil–Filter
25	93-8524	1	Stud
26	93-8525	1	Gasket–Crankcase
27	93-8698	1	Key
30	93-8528	1	Connecting Rod ASM
30:1	93-8527	2	Bolt–Rod



Sheet No.: 51

Camshaft and Valves Assembly
Part No. 99-4265 Engine, Model FE120D-CS02

Ref. No.	Part No.	Qty.	Description	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				

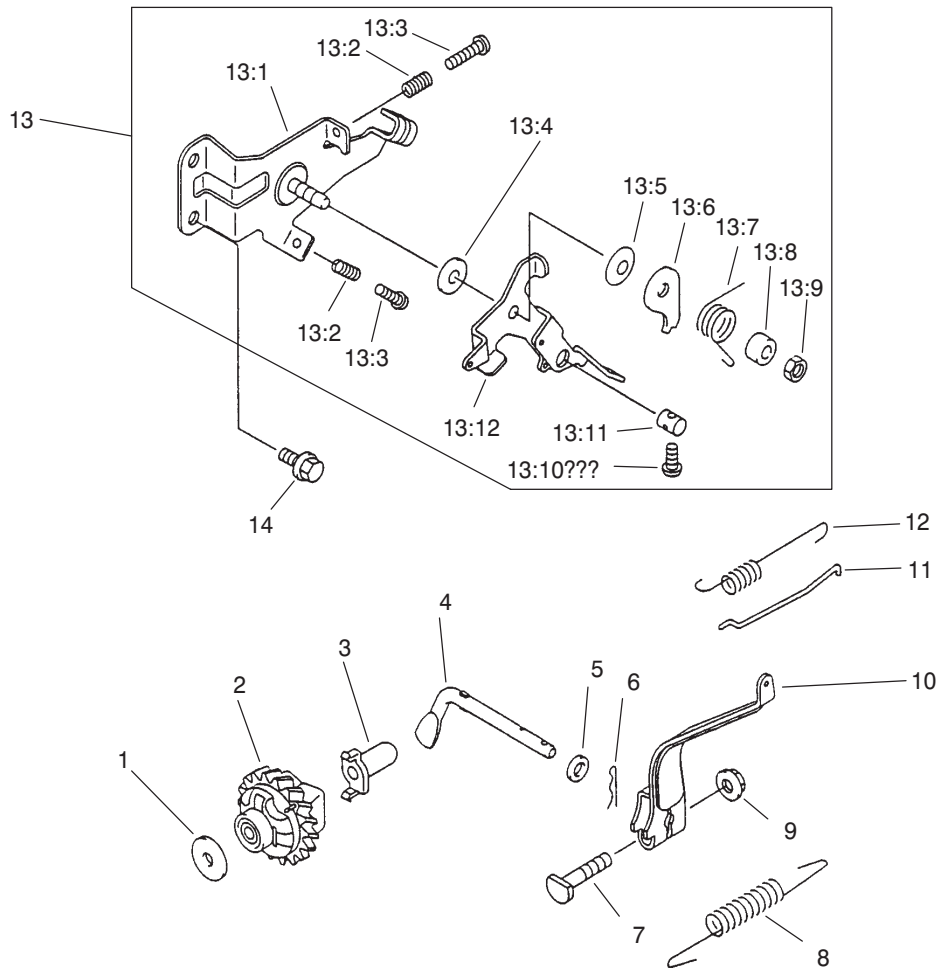


Sheet No.: 52

Ignition Assembly

Part No. 99-4265 Engine, Model FE120D-CS02

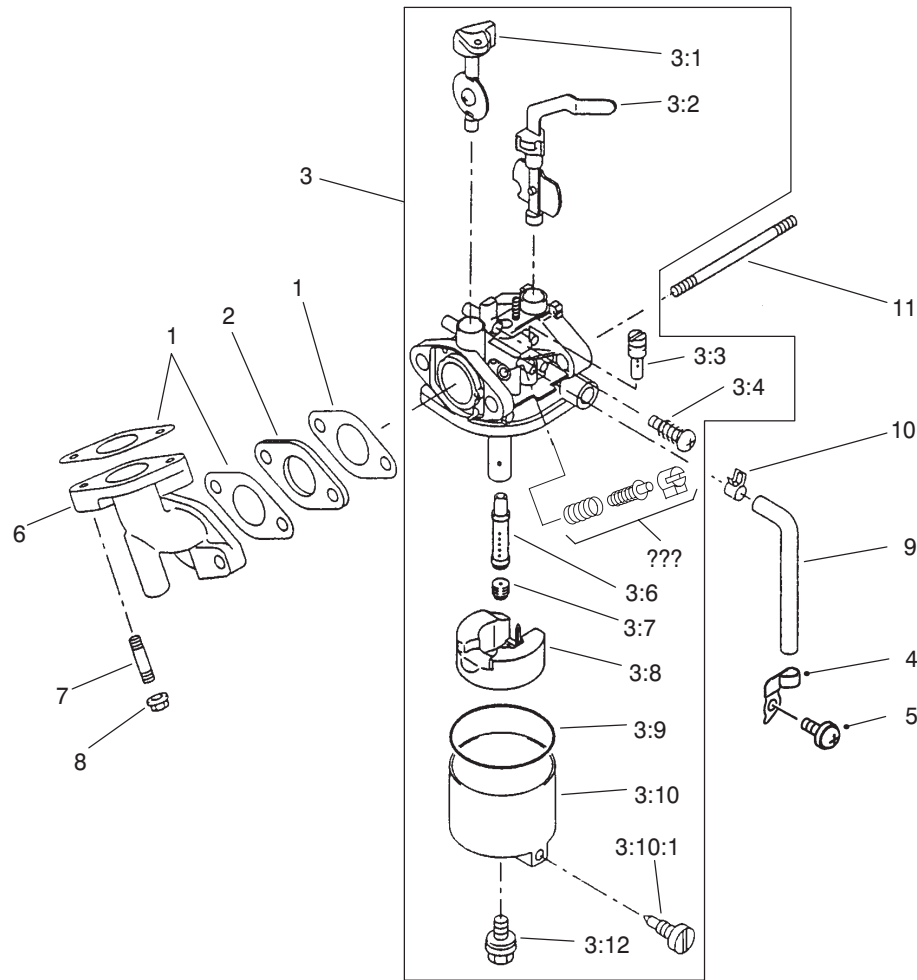
Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	93-8546	1	Switch	14	93-8582	1	Grommet
2	94-9031	1	Ignition Coil ASM	15	94-9038	1	Wire – Lead
3	93-8548	6	Bolt–Flanged	16	94-6840	3	Bolt – Flanged
4	93-8549	1	Screw	17	93-8572	1	Fan
5	93-8550	10	Bolt–Flanged	18	93-8563	1	Shroud–Engine
6	94-9047	1	Housing – Fan	19	93-8564	1	Collar
7	93-8552	1	Recoil Starter ASM	20	93-8565	1	Shroud–Engine
7:1	93-8553	1	Screw	21	93-8566	1	Bolt–Flanged
7:2	93-8554	2	Pawl–Recoil	22	93-8567	1	Pulley–Recoil
7:3	93-8555	2	Spring–Return	23	93-8568	1	Nut
7:4	93-8556	1	Reel–Recoil	24	93-8569	1	Washer
7:5	93-8557	1	Spring	25	99-6237	1	Flywheel ASM
7:6	94-9045	1	Grip – Recoil Starter	26	93-8571	1	Key
7:7	94-9046	1	Case – Recoil	27	99-4267	1	Coil–Lighting
7:8	93-8560	1	Rope	28	94-9027	1	Label – Recoil
7:9	93-8561	1	Ring–Retaining	34	93-8689	1	Decal–Instructions
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–Spark Plug				
12	93-8584	1	Spark Plug				
13	93-8583	1	Clamp				



Sheet No.: 53

Governor Assembly
Part No. 99-4265 Engine, Model FE120D-CS02

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	94-6842	1	Washer	14	93-8600	2	Bolt-Flanged
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	Govenor Spring				
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 Panel ASM				
13:1	93-8587	1	Panel-Control				
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				
13:7	93-8593	1	Spring				
13:8	93-8594	1	Spacer				
13:9	93-8595	1	Nut				
13:11	93-8597	1	Nut				
13:12	93-8598	1	Lever				

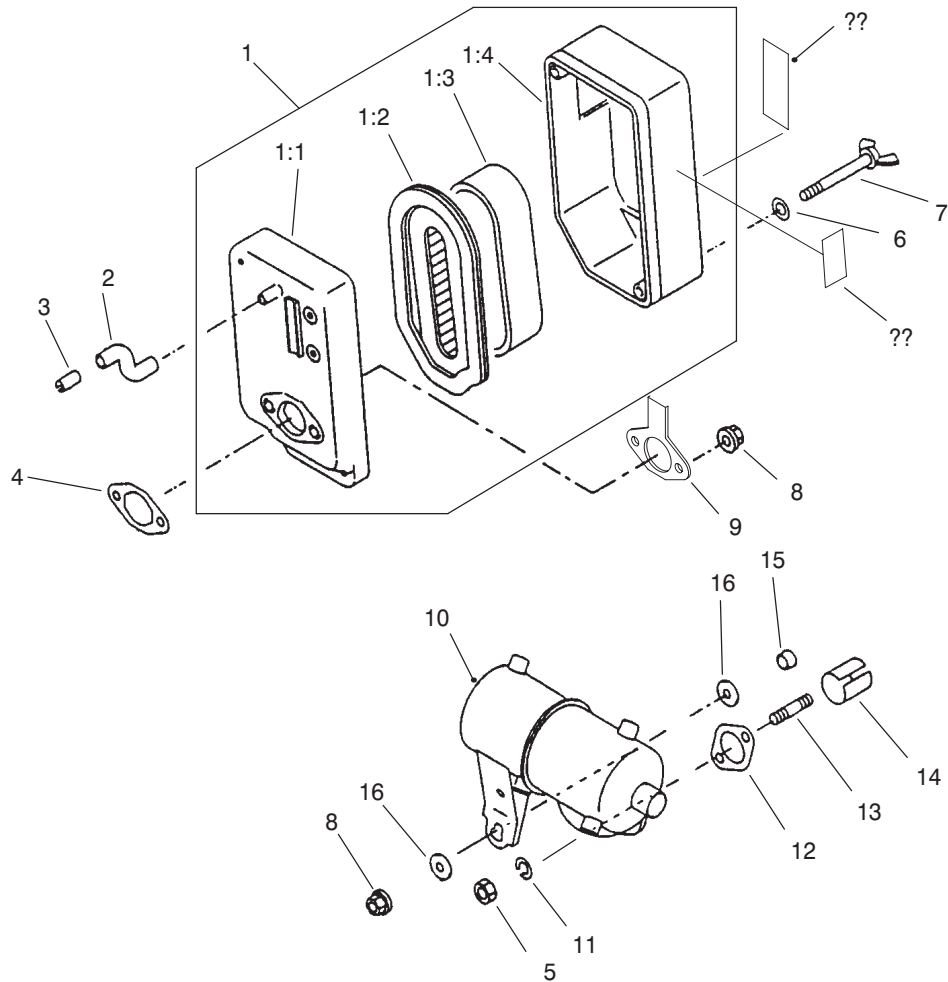


Sheet No.: 54

Carburetor Assembly
Part No. 99-4265 Engine, Model 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
3:6	94-9035	1	Nozzle - Main
3:7	94-9036	1	Jet - Main #65
3:7	98-8736	2	Jet Main No 60 High Alt
3:7	98-8735	2	Jet Main No 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

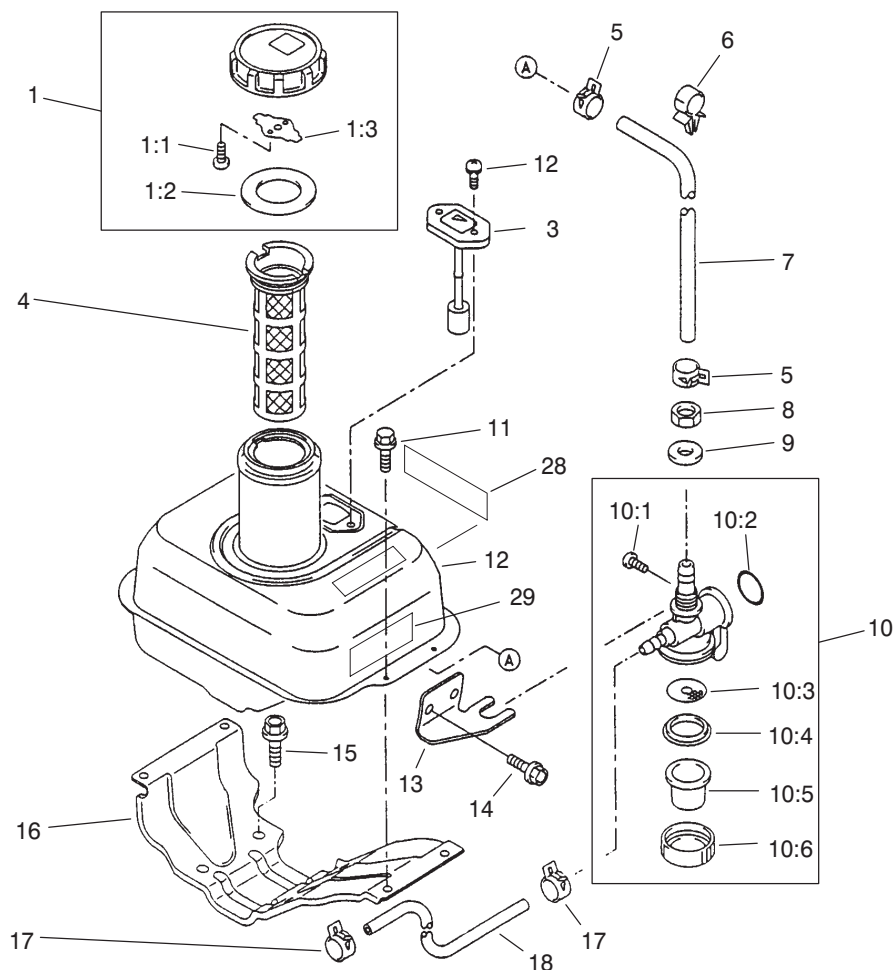
Ref. No.	Part No.	Qty.	Description
10	93-8629	1	Clamp
11	93-8628	1	Bolt-Stud



Sheet No.: 55

Air Filter and Muffler Assembly
Part No. 99-4265 Engine, Model FE120D-CS02

Ref. No.	Part No.	Qty.	Description	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-Air Filter				
1:3	93-8637	1	Element-Air Filter				
1:4	93-8638	1	Cap-Air Filter				
2	93-8659	1	Tube				
3	93-8658	1	Pipe				
4	93-8657	1	Gasket-Air Filter				
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-Air Filter				
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				



Sheet No.: 56

Fuel Tank Assembly

Part No. 99-4265 Engine, Model 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
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	Seal-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	93-8682	1	Tank-Fuel
13	93-8681	1	Bracket
14	93-8680	2	Bolt-Flanged
15	94-6825	4	Bolt – Flanged

