



Greensmaster 1000

Traction Unit and Cutting Unit

Model No. 04052-200000001 and Up

Model No. 04052TE-200000001 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	Description	Page
Frame Assembly	3	Engine Crankcase Assembly	18
Reel Drive Assembly	5	Engine Camshaft and Valves Assembly	19
Reel Assembly	7	Engine Ignition Assembly	20
Drum Drive Assembly	8	Engine Governor Assembly	21
Drum and Basket Assembly	9	Carburetor Assembly	22
Differential Assembly Peerless Mod. No. 100-111	10	Engine Air Cleaner and Muffler Assembly	23
Countershaft Assembly	11	Engine Fuel Tank Assembly	24
Engine and Bellcrank Assembly	13	Decals	25
Handle Assembly	15	Special Tools	26
GR1000 Roller and Scraper Options	17		

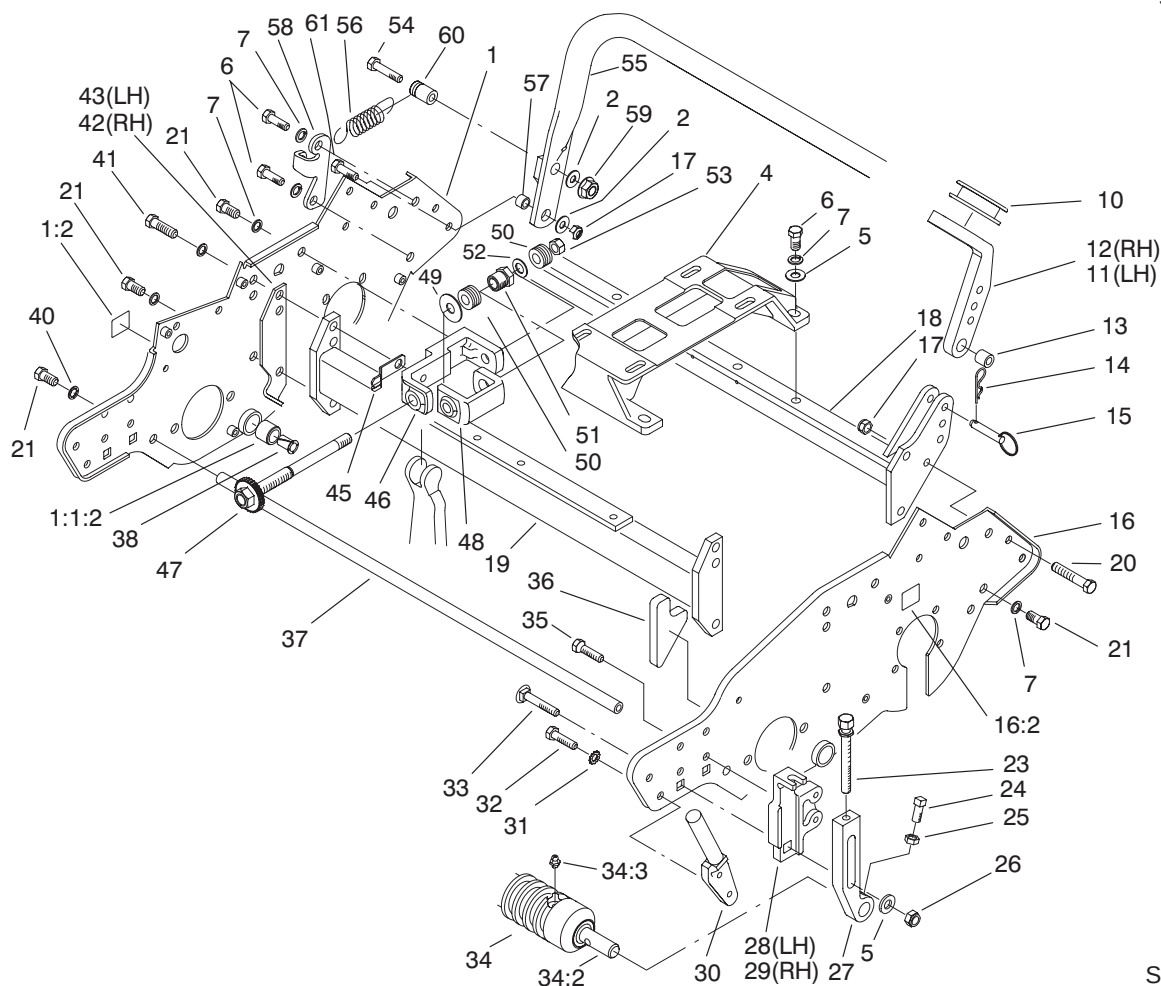
Accessories

Description	Model / Part No.	Description	Model / Part No.
..			

Part Description Abbreviations

Part descriptions in this catalog may include the following abbreviations.

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



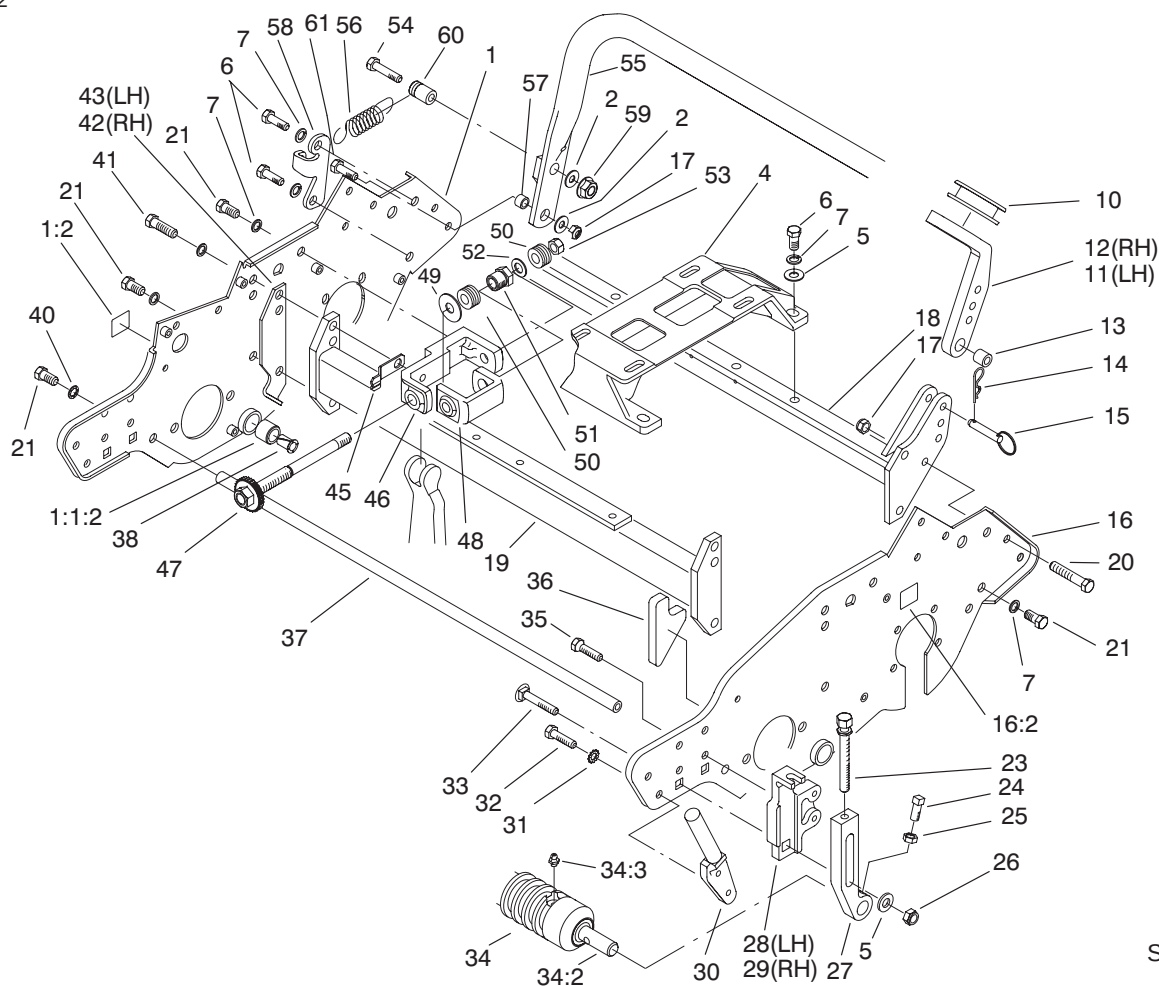
Sheet No.:2

Frame Assembly

Ref. No.	Part No.	Qty.	Description
1	93-6093	1	RH Side Plate ASM
1:1		1	RH Sideplate/Bushing ASM
1:1:2	63-9510	1	Bushing
1:2	93-9389	2	Decal-Warning, Belt (Japan)
1:2	93-9356	2	Decal-Warning, Belt
2	3256-2	3	Washer-Flat
4	88-7670	1	Mount-Engine
5	3256-24	6	Washer-Flat
6	323-5	6	Screw-HH
7	3253-21	16	Washer-Lock
10	65-7510	2	Grommet-Handle
11	93-6038	1	Arm - Handle Support, LH
12	93-6037	1	Arm - Handle Support, RH
13	93-6024	2	Bushing - Handle Support
14	3290-467	2	Pin-Hair
15	93-6029	2	Pin-Clevis, Ring
16	93-6094	1	LH Side Plate ASM
16:1		1	LH Sideplate/Bushing ASM
*16:1:2	63-9510	1	Bushing
16:2	93-9356	1	Decal-Warning, Belt

Ref. No.	Part No.	Qty.	Description
16:2	93-9389	1	Decal-Warning, Belt (Japan)
17	3296-29	4	Nut-Lock, NI
18	93-6025-01	1	Rear Frame Tube
19	93-6054-01	1	Tube - Front
20	322-9	2	Screw-HH
21	323-4	10	Screw-HH
23	93-6051	2	Screw - HOC
24	3242-4	2	Screw-Set, SQH
25	3218-2	2	Nut-Jam
26	32128-21	2	Nut-HF
27	93-6090	2	Arm - HOC
28	93-6049	1	Bracket - HOC, LH
29	93-6048	1	Bracket - HOC, RH
30	65-8570	2	Mnt Rod - Grass Catcher
31	3255-8	4	Washer-Lock/Ext
32	322-2	4	Screw-HH
33	3231-5	2	Screw-CARR
34	99-6241	1	Wiehle Roller ASM
34:2	52-3180	2	Bearing-Front Roller
34:3	302-5	2	Fitting-Lube
35	92-8914	4	Bolt - Tapered Face
36	93-6064	1	Seal-Grass Catcher
37	88-7110	1	Rod-Frame Support
38	52-2890	2	Bushing-Nylon

* Not illustrated

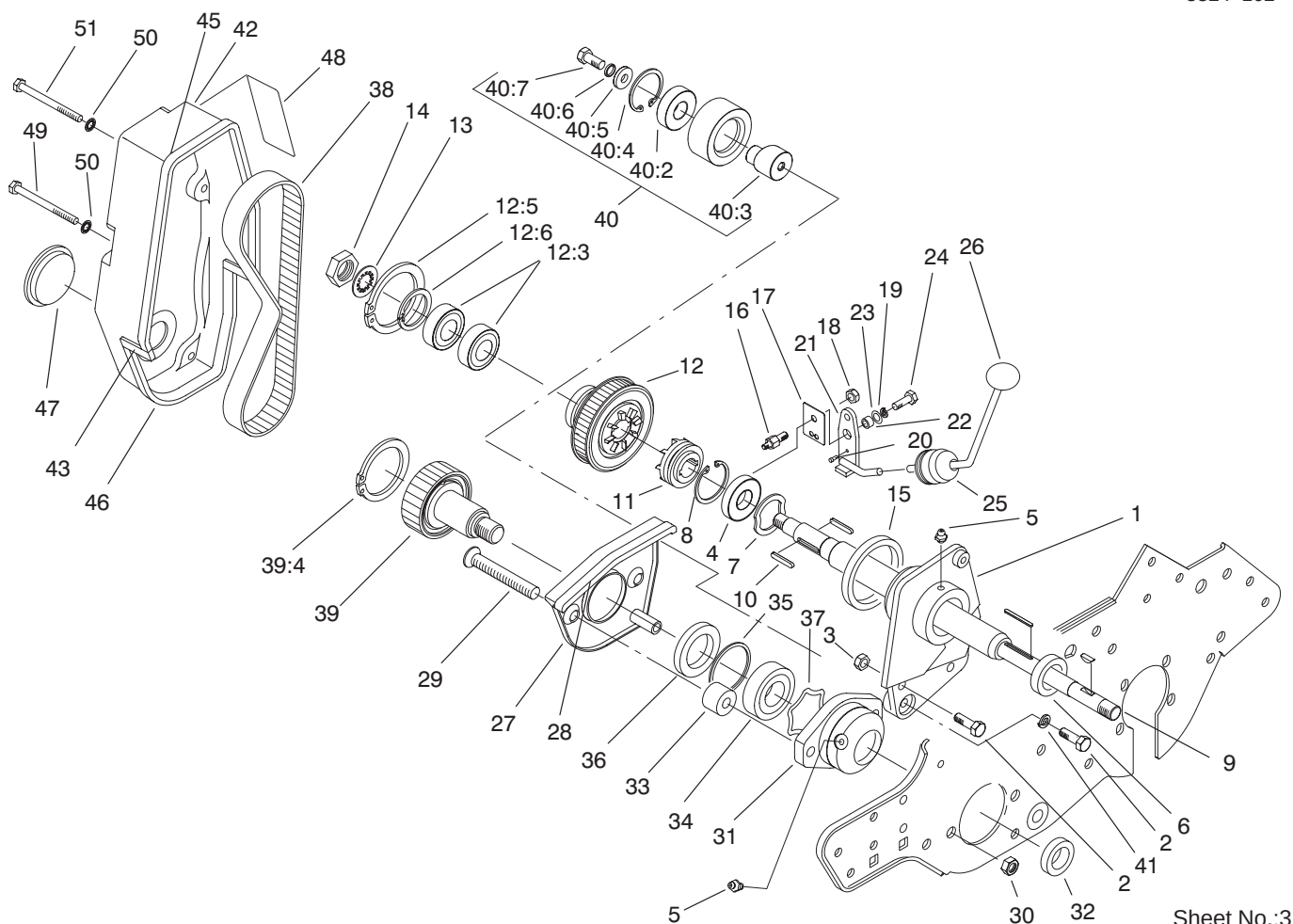


Sheet No.:2

Frame Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
40	3254-6	2	Washer-Lock, Int.
41	323-6	2	Screw-HH
42	88-7100	1	Spacer-RH
43	88-7090	1	Spacer-LH
45	94-5856	2	Spring-Detent
46	94-5854	2	Frame - Adjuster, Bedbar
47	94-5873	2	Screw ASM
48	98-5912	2	Channel - Adjuster, Bedbar
49	94-5859	2	Washer - Hardened
50	93-9043	32	Washer- Belleville Spring
51	98-5913	2	Nut - Spring
52	94-5858	2	Washer
53	3296-48	2	Nut-Lock NI
54	322-10	1	Screw-HH
55	65-7850-03	1	Kickstand
56	65-7880	1	Spring - Extension
57	65-7910	2	Spacer
58	65-7890	1	Bracket
59	32128-25	1	Nut-Flange
60	65-7900	1	Retainer-Spring
61	322-5	2	Screw-HH

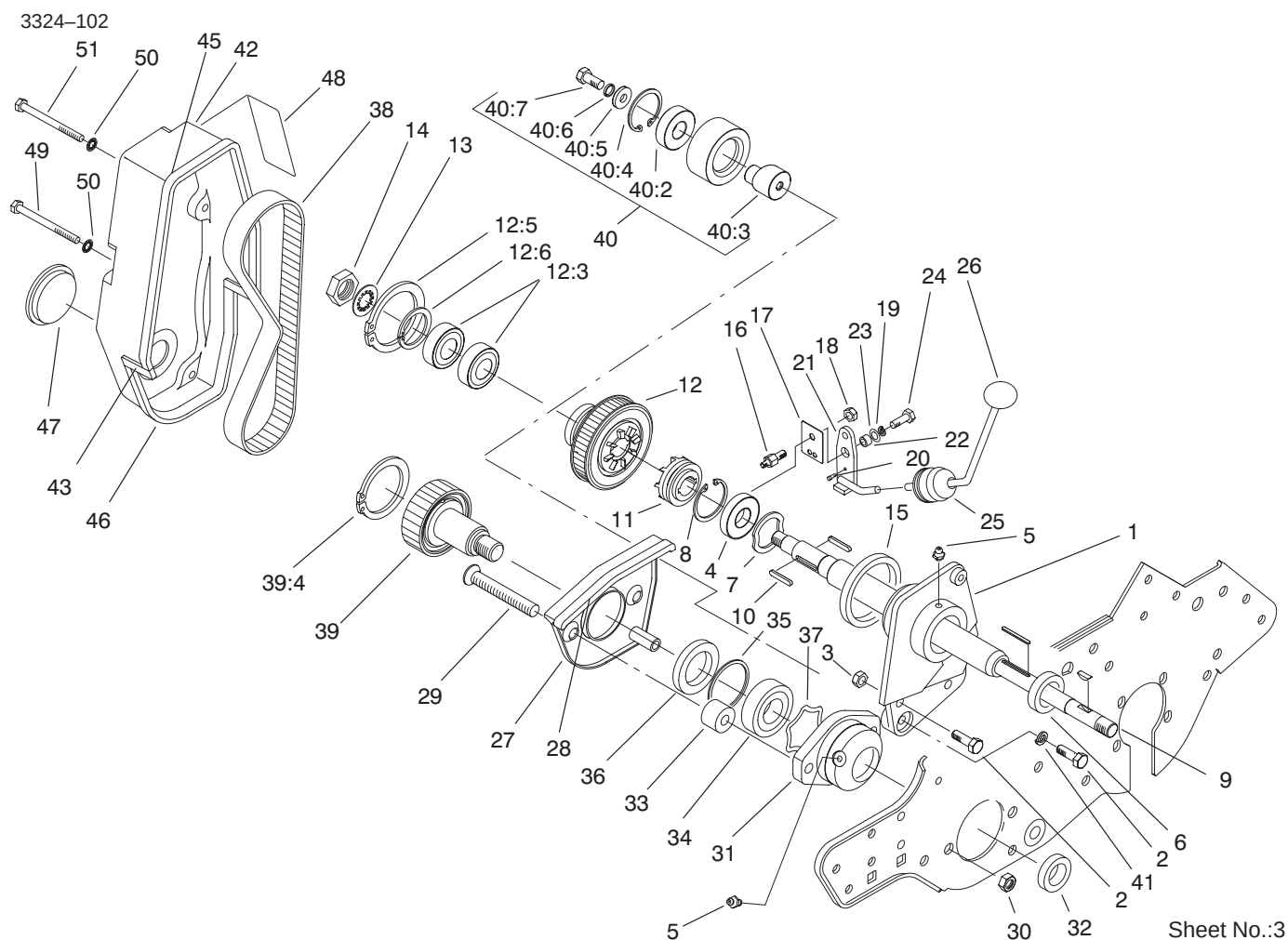
Ref. No.	Part No.	Qty.	Description



Reel Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	92-8013	1	Housing-Clutch
2	322-5	3	Screw-HH
3	3296-29	2	Nut-Lock, NI
4	251-204	1	Bearing-Ball
5	302-5	2	Fitting-Lube
6	253-118	1	Oil Seal
7	88-7720	1	Spring-Wave
8	32120-11	1	Ring-Retaining
9	93-6056	1	Shaft - Power
10	88-7150	2	Key-End Radius
11	65-6940	1	Clutch - Jaw Slider
12	88-7830	1	Clutch & Pulley ASM
12:3	251-336	2	Bearing
12:5	32151-95	1	Ring-Retaining
12:6	32151-89	1	Ring-Retaining, Bowed
13	3254-4	1	Washer-Lock/Int
14	3220-5	1	Nut-Hex Jam
15	65-6970	1	Seal - Felt
16	93-9014	1	Pin - Clutch, Actuator
17	65-6290	1	Spring-Detent, Clutch
18	3296-42	1	Nut-Lock
19	3253-3	1	Washer-Lock/Sp
20	95-5731	1	Screw-Drive, Hardened
21	88-7170	1	Lever-Clutch

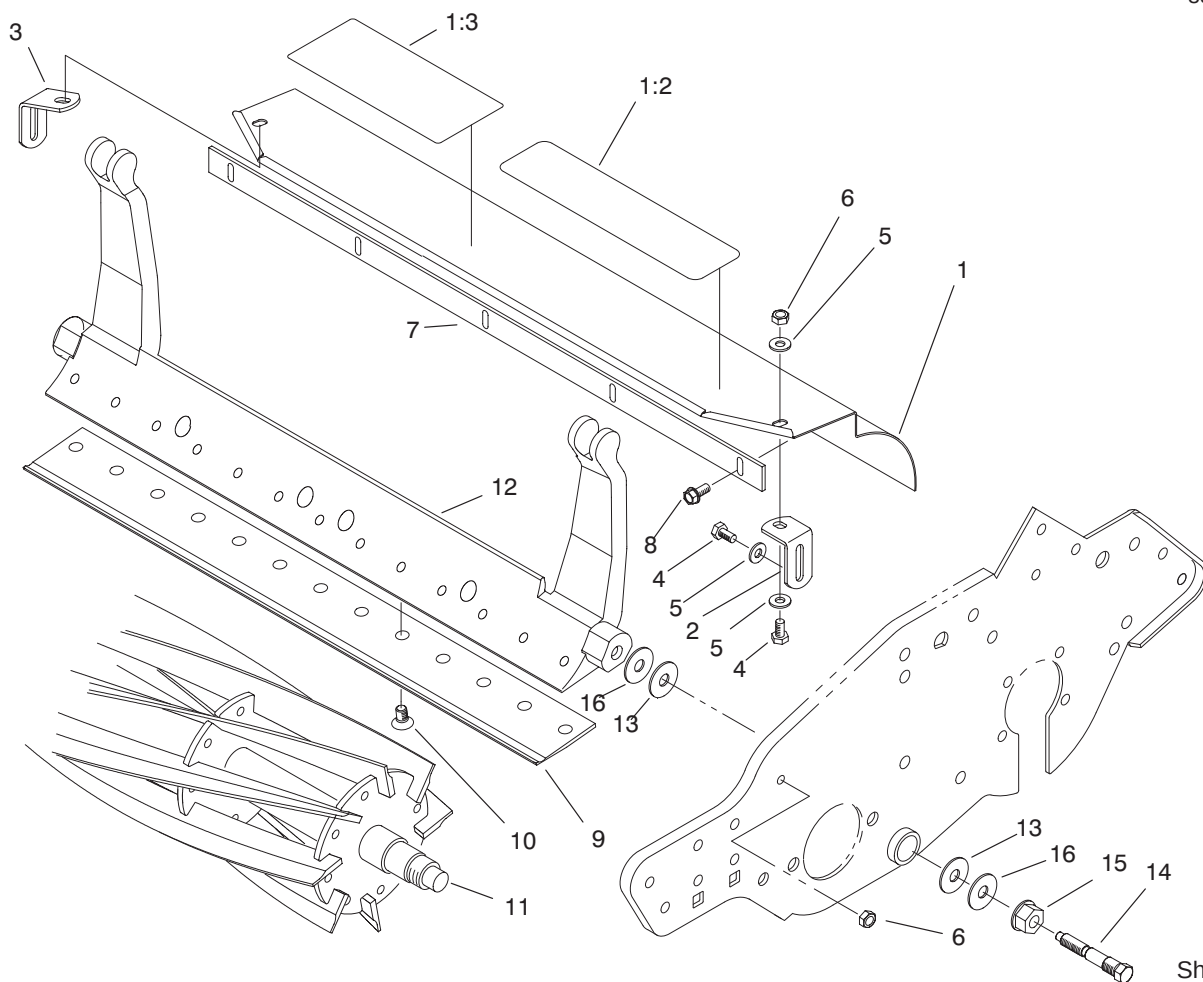
Ref. No.	Part No.	Qty.	Description
22	88-7860	1	Spacer -Clutch
23	3290-414	1	Belleville Washer
24	321-4	1	Screw-HH
25	65-8960	1	Boot-Clutch
26	233-69	1	Knob
27	65-7190-01	1	Cover-Groomer Arm
28	65-7131	1	Seal Strip-Cover
29	3289-23	2	Capscrew
30	3296-39	2	Nut-Lock, NI
31	65-8640	1	Housing - Bearing
32	253-96	1	Oil Seal
33	65-8290	2	Standoff-Cover
34	251-342	1	Bearing-Ball
35	32151-92	1	Ring-Retaining
36	253-163	1	Seal
37	3290-485	1	Washer - Wave
38	65-6200	1	Belt
39	88-7840	1	Pulley & Drive ASM
39:4	32151-95	1	Ring-Retaining
40	88-7850	1	Idler Pulley ASM
40:2	38-7820	1	Bearing-Ball
40:3	88-7190	1	Spacer-Pulley Support, Shaft
40:4	32120-42	1	Ring-Retaining
40:5	88-7200	1	Washer-Flat
40:6	3253-4	1	Washer



Reel Drive Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
40:7	322-3	1	Screw-HH
41	3253-4	1	Washer
42	88-7700-01	1	Cover-Reel Drive
43	88-7770	2	Seal Strip - Front
45	88-7790	1	Seal Strip-Upper
46	88-7800	1	Seal Strip-Lower
47	237-160	1	Plug - Rubber
48	93-7346	1	Decal-Reel Engagement
48	92-4817	1	Decal-Reel Engagement (Japan)
49	321-20	3	Screw-HH
50	3254-8	4	Washer-Lock - Int
51	321-23	1	Screw-HH

Ref. No.	Part No.	Qty.	Description

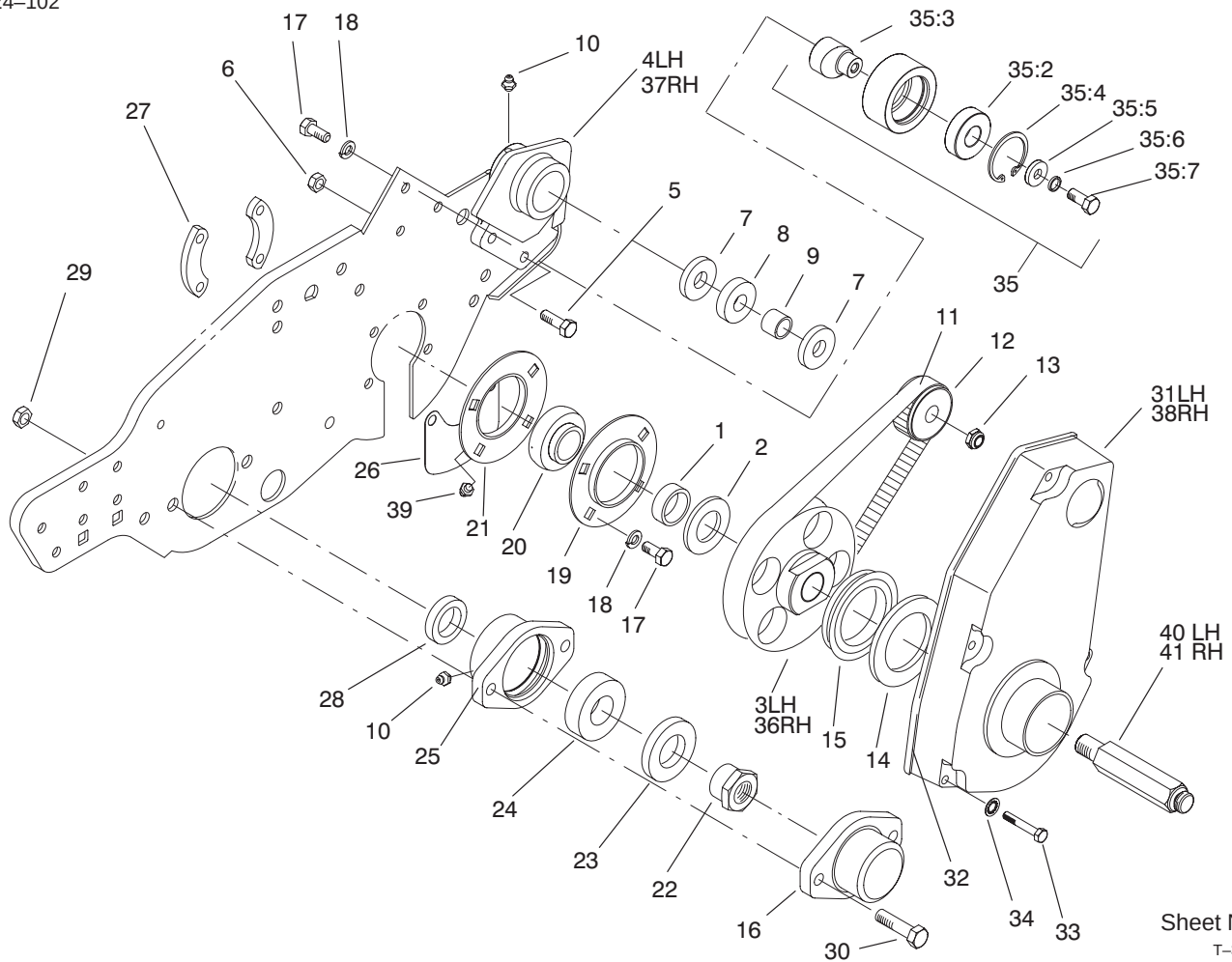


Sheet No.:4

Reel Assembly

Ref. No.	Part No.	Qty.	Description
1	93-6069	1	Grass Shield ASM
1:2	84-6560	1	Decal-Warning (Japan)
1:2	93-8064	1	Decal-Danger
1:3	93-7287	1	Decal-Service (Finnish)
1:3	93-9393	1	Decal-Service (German)
1:3	93-7289	1	Decal-Service (Norwegian)
1:3	93-7291	1	Decal-Service (Swedish)
1:3	93-9394	1	Decal-Service (Japan)
1:3	93-7290	1	Decal-Service (Portuguese)
1:3	93-9392	1	Decal-Service (Spanish)
1:3	93-9391	1	Decal-Service (French)
1:3	93-7288	1	Decal-Service (Italian)
1:3	93-7285	1	Decal-Service (Danish)
1:3	93-7286	1	Decal-Service (Dutch)
1:3	93-6098	1	Decal - Service
2	65-6450	1	Bracket - LH
3	65-6460	1	Bracket - RH

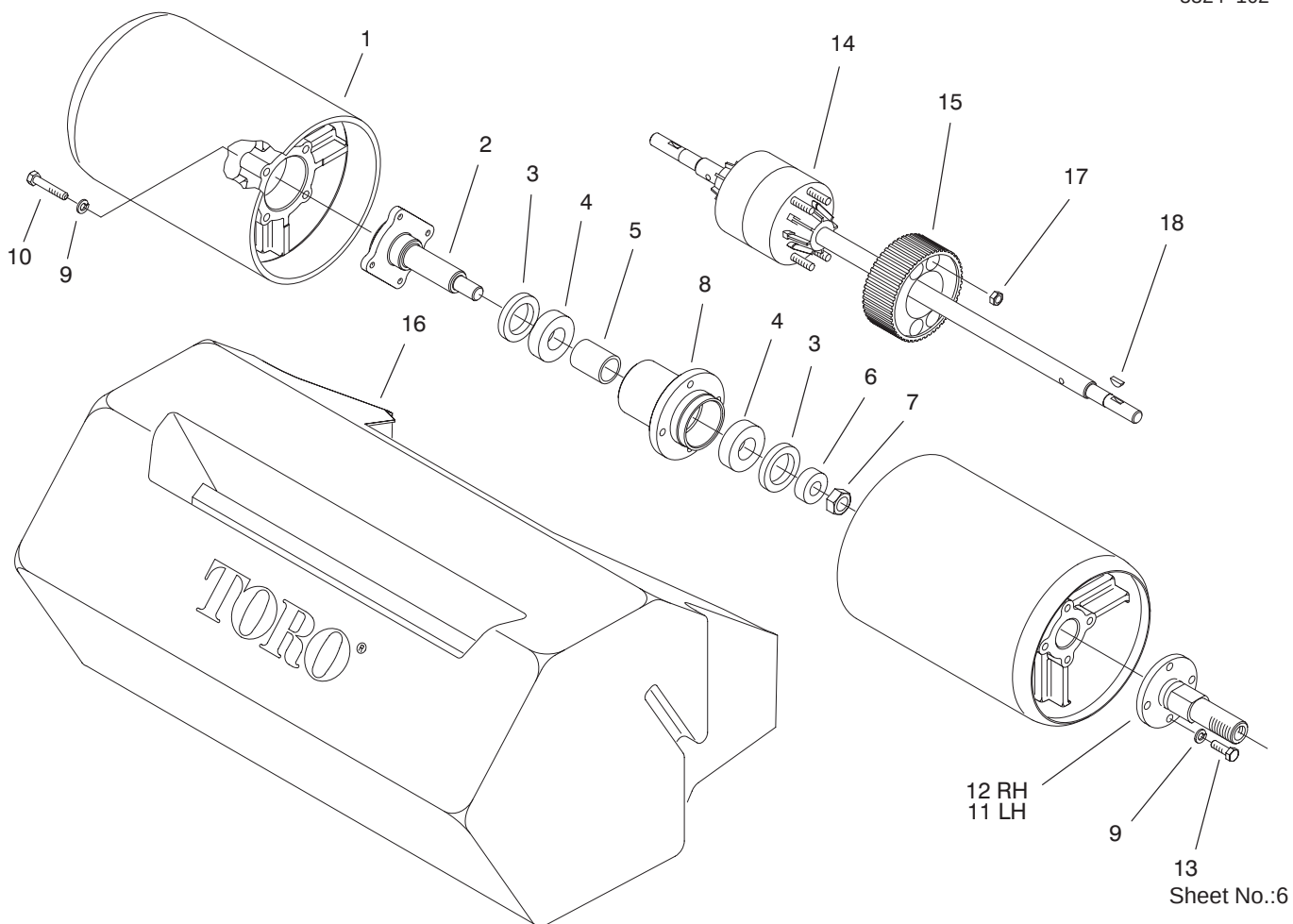
Ref. No.	Part No.	Qty.	Description
4	321-3	4	Screw-HH
5	3256-22	6	Washer-Flat
6	3296-42	4	Nut-Lock
7	36-7260	1	Bar-Off, Cut
8	32144-73	5	Screw-HWH
9	93-4262	1	Bedknife - Micro
9	93-4263	1	Bedknife - Tournament
9	93-4264	1	Bedknife - 1/8 Cut
10	57-4910	13	Screw
11	93-6097	1	11 Blade Reel ASM
11	93-6087	1	8 Blade Reel ASM
12	92-9204-03	1	Bedbar-Special
12	93-6053-01	1	Bedbar-Standard
13	52-2900	4	Washer
14	65-6270	2	Bolt - Bedbar
15	32128-48	2	Nut HH Flange
16	52-2860	4	Washer



Drum Drive Assembly

Ref. No.	Part No.	Qty.	Description
1	88-7530	2	Spacer
2	88-7540	2	Washer – Backup
3	94-9017	1	Pulley – Drum, LH
4	88-7470	1	Housing–LH
5	322-5	4	Screw–HH
6	3296-29	4	Nut–Lock, NI
7	253-160	4	Seal – Grease
8	251-338	2	Bearing
9	86-7130	2	Spacer – Pulley
10	302-5	3	Fitting–Lube
11	65-6210	2	Belt
12	65-6660	2	Pulley
13	3296-57	2	Nut–Lock NI
14	94-9018	2	Washer – Plastic
15	253-161	2	Seal–V–Ring
16	65-6220-01	1	Cover – Reel End
17	322-3	10	Screw–HH
18	3253-4	10	Washer
19	65-6590	2	Flangette
20	88-7880	2	Bearing–Self Aligning
21	95-0923	2	Flangette
22	92-7302	1	Nut – Bearing, Lock
23	253-163	1	Seal
24	251-342	1	Bearing–Ball
25	65-8640	1	Housing – Bearing
26	65-8720	2	Closure – Side Plate

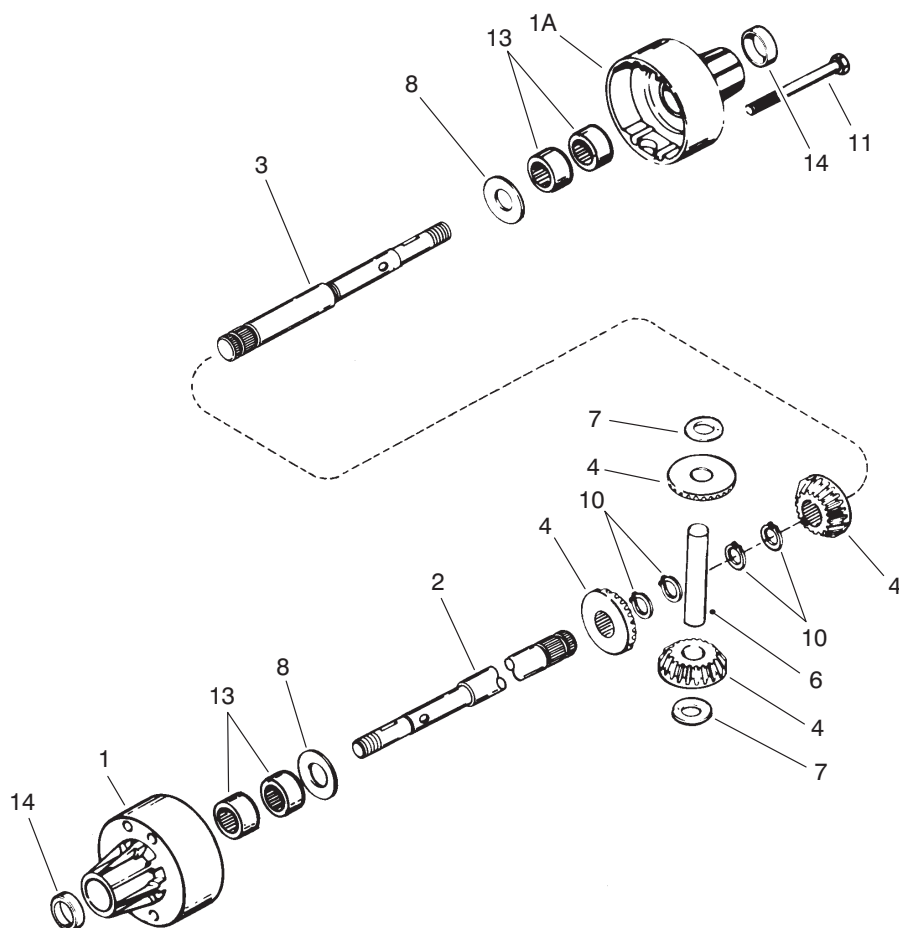
Ref. No.	Part No.	Qty.	Description
27	65-8730	4	Clamp–Bearing
28	253-96	1	Oil Seal
29	3296-39	2	Nut–Lock, NI
30	323-7	2	Screw–HH
31	88-7680-01	1	Cover – Drum Belt LH
32	88-7810	2	Seal Strip–Drum Cover
33	321-11	8	Screw–HH
34	3254-8	8	Washer–Lock – Int
35	88-7850	2	Idler Pulley ASM
35:2	38-7820	1	Bearing–Ball
35:3	88-7190	1	Spacer–Pulley Support, Shaft
35:4	32120-42	1	Ring–Retaining
35:5	88-7200	1	Washer–Flat
35:6	3253-4	1	Washer
35:7	322-3	1	Screw–HH
36	94-9016	1	Pulley – Drum, RH
37	88-7490	1	Housing–RH,
38	88-7690-01	1	Cover–Drum Belt RH
39	302-40	2	Fitting–Grease
40	88-7580	1	Shaft – Transport Wheel
41	88-7590	1	Shaft – Transport Wheel



Drum and Basket Assembly

Ref. No.	Part No.	Qty.	Description
1	93-9047	2	Drum
2	94-5850	1	Spindle – Drum
3	253-159	2	Seal – Spring Loaded Lip
4	251-82	2	Bearing–Ball
5	65-6520	1	Spacer – Bearing Center
6	65-6530	1	Spacer – Seal Ride
7	3296-33	1	Nut–Lock NI
8	94-5852	1	Hub – Drum
9	3253-4	16	Washer
10	322-9	8	Screw–HH
11	88-7520	1	Shaft – Drum Extension
12	88-7510	1	Shaft – Drum Extension
13	322-5	8	Screw–HH
14	93-6055	1	Differential
15	65-9120	1	Pulley – Differential Housing
16	65-7230	1	Grass Basket
17	3296-47	4	Nut–Lock, NI
18	3257-30	2	Key–Woodruff

Ref. No.	Part No.	Qty.	Description



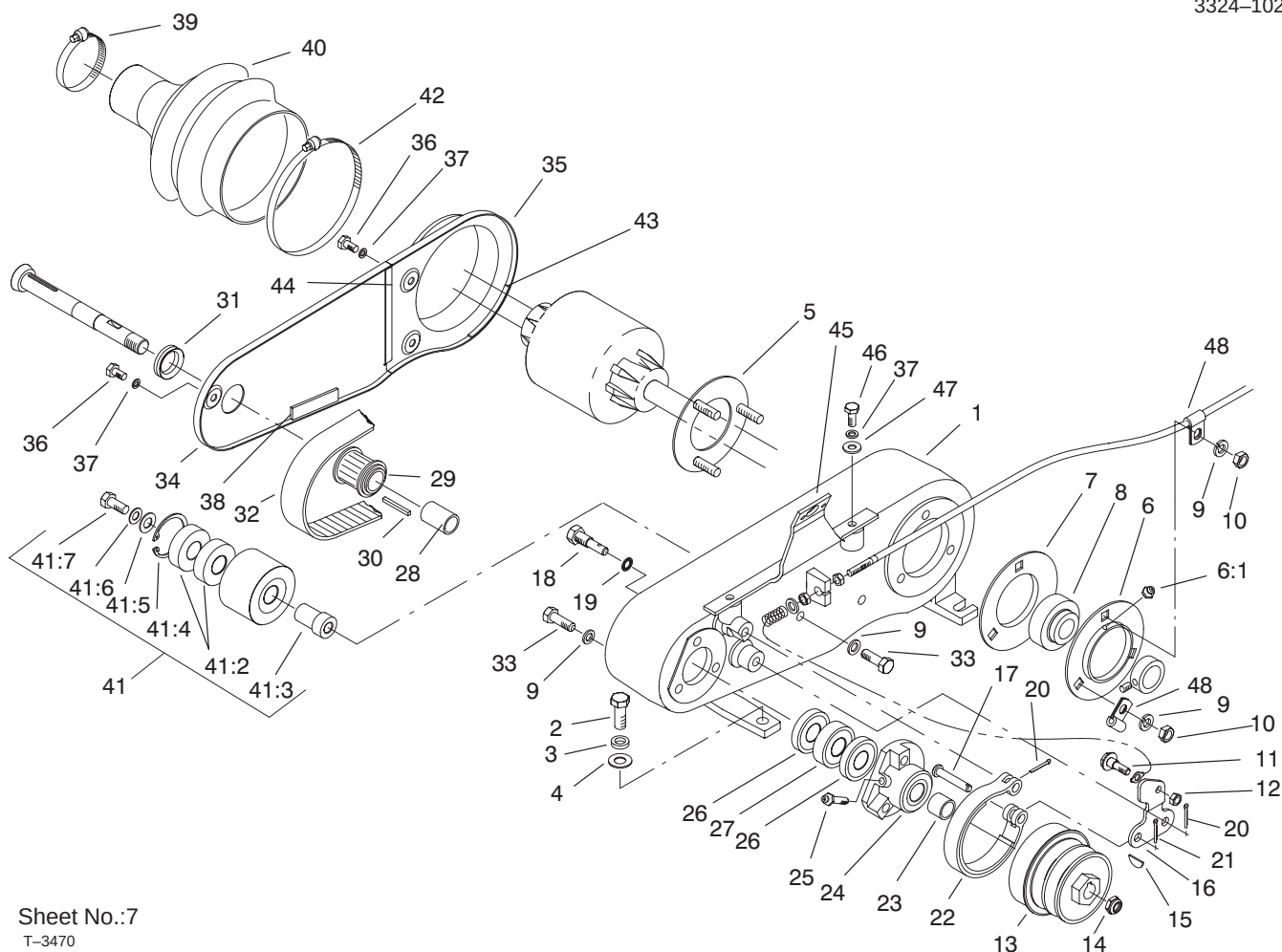
T-3469

Differential Assembly Peerless Model No. 100-111

Ref. No.	Part No.	Qty.	Description
1	95-5741	1	Housing-Differential Carrier (Incl. Ref.# 13 & 14)
1A	95-5740	1	Housing-Differential Carrier (Incl. Ref.# 13 & 14)
2	95-5736	1	Axle (20-17/32" Long)
3	95-5735	1	Axle (6-19/32" Long)
4	104-0503	1	Diffrential Gear Kit
6	95-5747	1	Pin Drive
7	95-55744	2	Washer-Thrust
8	95-5745	2	Washer
10	95-5746	4	Ring-Retaining (Pkg. of 2)
11	95-5739	4	Screw-Flanged HH
13	95-5738	4	Screw-HH
14	95-5737	2	Seal-Oil
*	95-5734	1	Betonite Grease 32 oz. Bottle

Ref. No.	Part No.	Qty.	Description

* Not Illustrated



Sheet No.:7

T-3470

Countershaft Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	88-7230	1	Housing-Counter Shaft	25	302-64	1	Fitting - Grease
2	323-5	4	Screw-HH	26	253-160	2	Seal - Grease
3	3253-21	4	Washer-Lock	27	251-338	1	Bearing
4	3256-24	4	Washer-Flat	28	86-7140	1	Spacer
5	65-6720	1	Plate - Screw	29	65-8910	1	Pulley - Countershaft
6	65-6700	1	Flangette - Lube	30	65-6850	1	Key - Square
6:1	302-65	1	Zerk	31	88-7710	1	Seal-V Ring
7	65-6710	1	Flangette	32	65-9080	1	Belt
8	251-343	1	Bearing-Ball	33	322-5	4	Screw-HH
9	3253-4	7	Washer	34	88-7240-03	1	Cover Box, Front
10	3218-2	3	Nut-Jam	35	88-7250-03	1	Cover-Box, Rear
11	11-9030	1	Screw-Shoulder	36	321-2	3	Screw-HH
12	3296-42	1	Nut-Lock	37	3253-3	5	Washer-Lock/Sp
13	92-9212	1	Pulley - Shaft Input	38	65-6901	1	Seal Strip - Cover
14	3296-57	1	Nut-Lock NI	39	2412-139	1	Clamp-Hose 2"
15	3257-30	1	Key-Woodruff	40	65-6800	1	Boot - Differential
16	65-8610	1	Lever - Brake	41	88-7870	1	Idler Pulley ASM
17	283-75	1	Pin-Clevis	41:2	38-7820	2	Bearing-Ball
18	65-6810	2	Support - Brake	41:3	88-7380	1	Spacer-Pulley Support
19	3254-6	2	Washer-Lock, Int.	41:4	32120-42	1	Ring-Retaining
20	3272-6	2	Pin-Cotter	41:5	88-7200	1	Washer-Flat
21	3272-8	1	Cotter Pin	41:6	3253-4	1	Washer
22	65-8700	1	Band - Brake	41:7	322-3	1	Screw-HH
23	86-7130	1	Spacer - Pulley	42	2412-140	1	Clamp-Hose
24	65-6760	1	Housing - Bearing	43	65-6902	1	Seal Strip - Cover

Exploded view diagram of a mechanical assembly, likely a pump or motor. The diagram shows the main housing (1) and its internal components, including the motor (5), pump head (35), and various internal parts like valves (13, 14), pistons (15, 16), and connecting rods (17, 18). The diagram is labeled with numbers 1 through 48, indicating the parts and their assembly order.

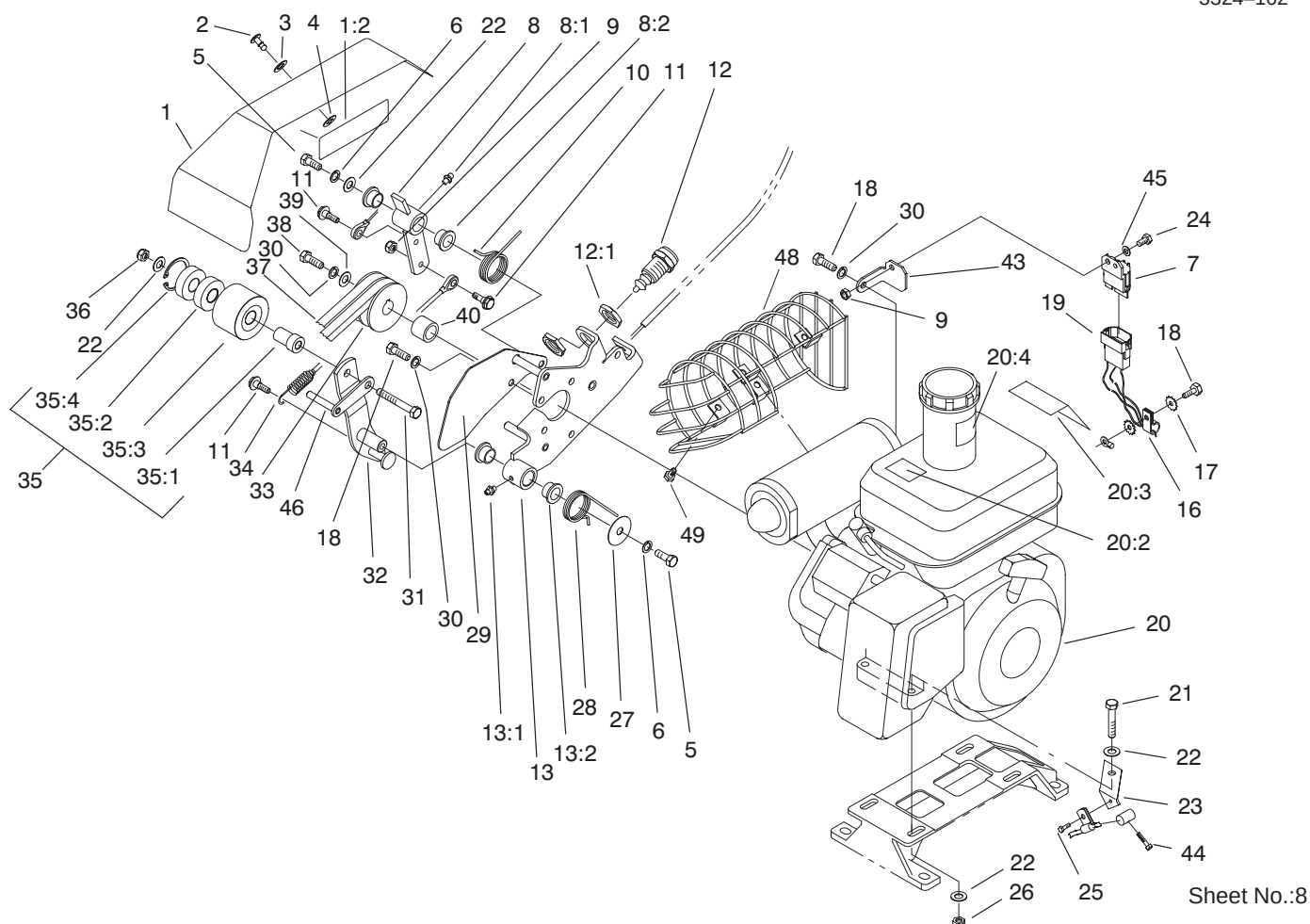
Sheet No.:7
T-3470

T-3470

Countershaft Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
44	65-6903	1	Seal Strip – Cover
45	93-1448	1	Bracket ASM – Cover
46	321-3	2	Screw-HH
47	3256-22	2	Washer-Flat
48	88-7970	2	Clip

Ref. No.	Part No.	Qty.	Description

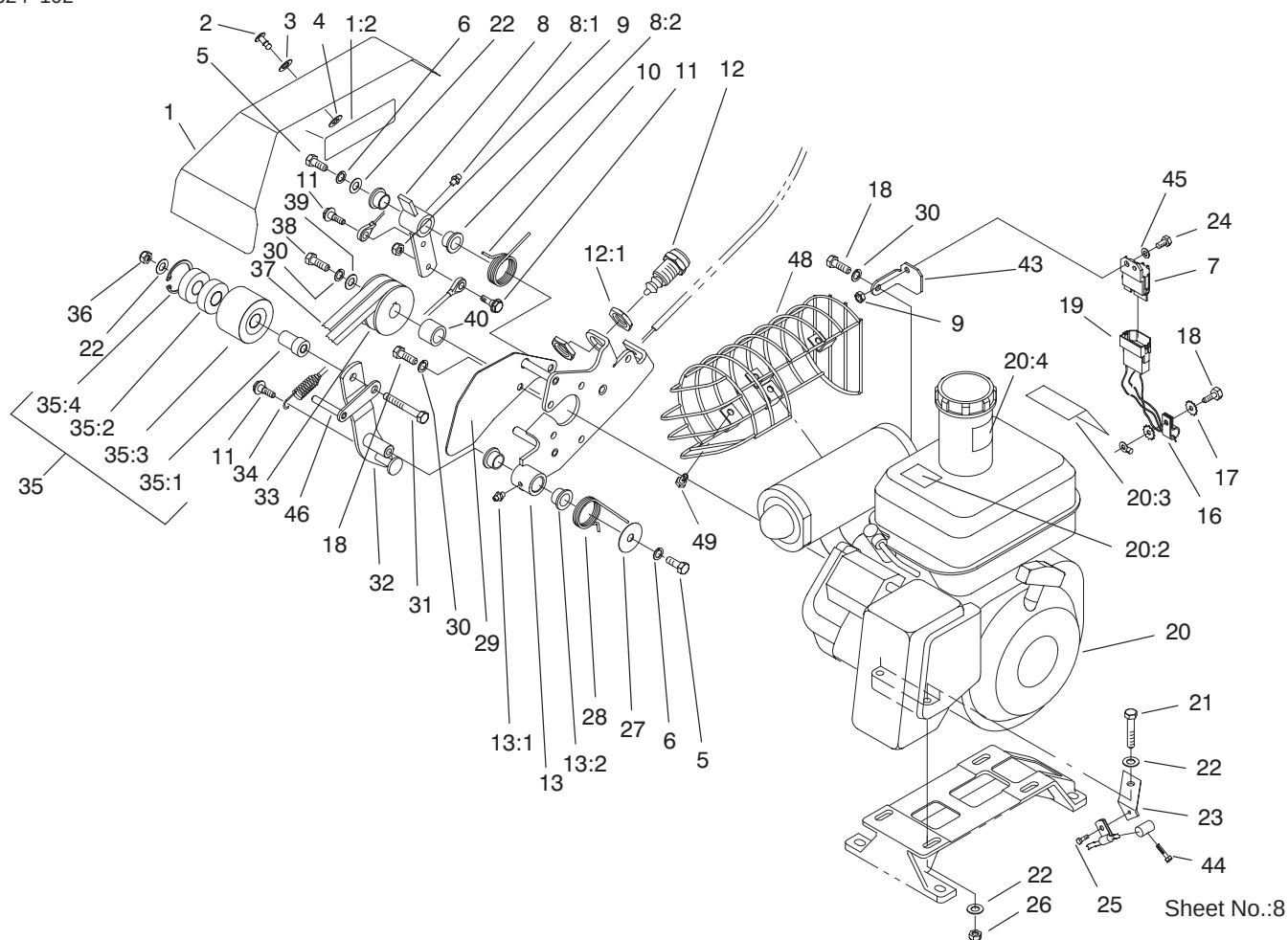


Sheet No.:8

Engine and Bellcrank Assembly

Ref. No.	Part No.	Qty.	Description
1	94-9007	1	Bellcrank Cover ASM
1:2	93-7273	1	Decal-Danger
1:2	84-7280	1	Decal-Danger (Japan)
2	93-6074	1	Stud - 1/4 Turn, Phillips
3	3256-2	1	Washer-Flat
4	93-6073	1	Retainer
5	323-4	2	Screw-HH
6	3253-21	2	Washer-Lock
7	94-3431	1	Module-Interlock (Europe) (only on: 04052te)
7	94-5860	1	Module - Interlock (only on: 04052)
8	93-6014	1	Lever ASM
8:1	302-5	1	Fitting-Lube
8:2	65-8770	2	Bushing - Bellcrank
9	3296-42	4	Nut-Lock
10	93-6011	1	Spring-Torsion
11	11-9030	3	Screw-Shoulder
12	87-5490	1	Switch-Clutch
12:1	3218-20	2	Nut-Jam
13	93-6015	1	Clutch Bracket ASM
13:1	302-5	1	Fitting-Lube
13:2	65-8770	2	Bushing - Bellcrank
16	2412-93	1	R-Clamp

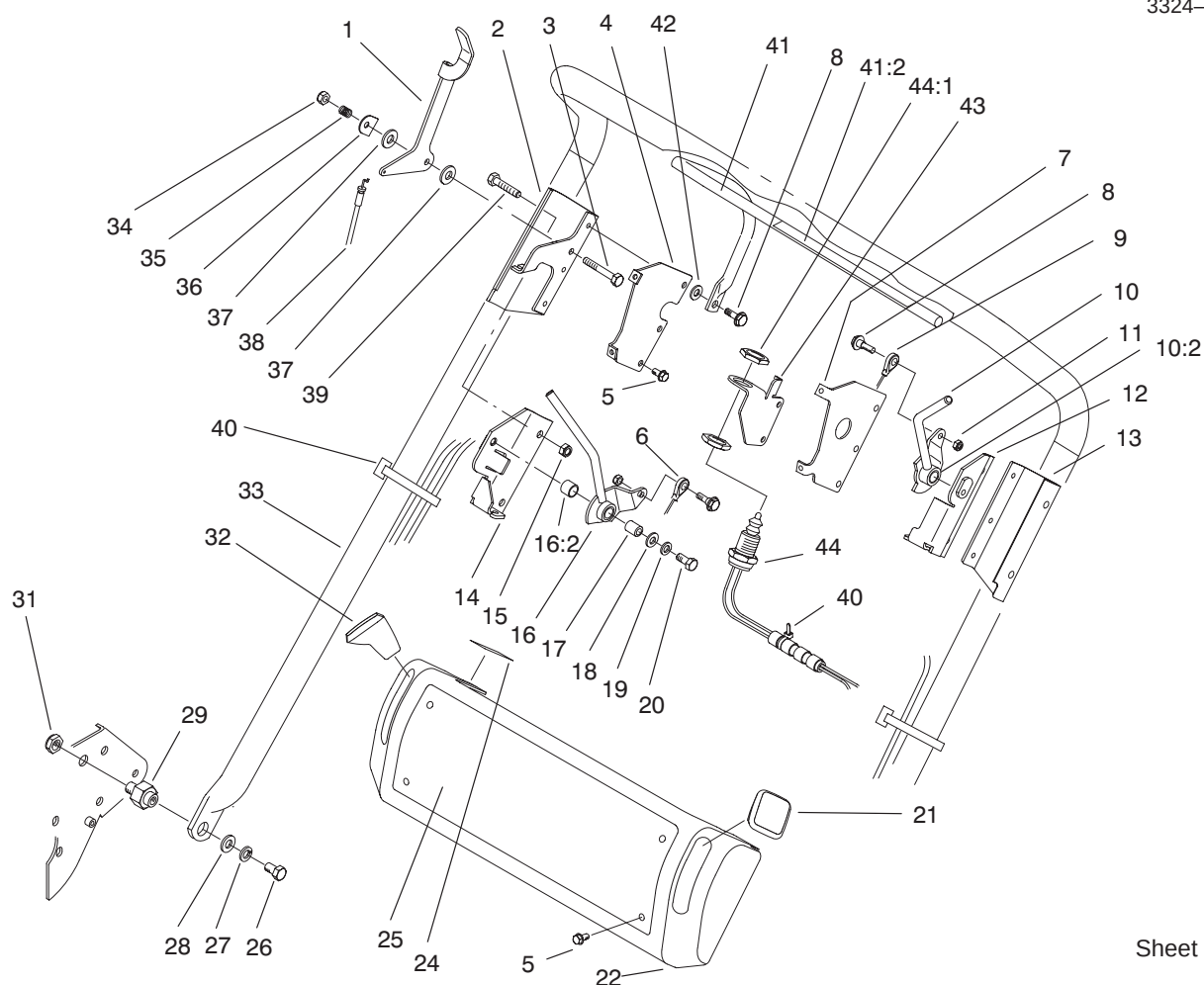
Ref. No.	Part No.	Qty.	Description
17	3255-9	2	Washer-Lock/Ext
18	33114-016	7	Screw-HH
19	94-5865	1	Harness-Wire (Europe) (only on: 04052te)
19	94-5862	1	Wire Harness - Module (only on: 04052)
20	104-0525	1	Engine ASM
20:2	83-2560	1	Decal-Hot Surface (Japan)
20:2	93-8069	1	Decal-Hot Surface
20:3	92-4813	1	Decal-Danger (Japan)
20:3	93-7348	1	Decal-Danger
20:4	93-9886	1	Decal-Fuel
21	322-9	4	Screw-HH
22	3256-56	10	Washer-Flat
23	88-7960	1	Bracket - Throttle Cable
24	321-3	1	Screw-HH
25	32144-73	1	Screw-HWH
26	3296-29	4	Nut-Lock, NI
27	93-6099	1	Washer
28	93-6012	1	Spring-Torque, Clutch Lever
29	93-6013-03	1	Shield - Belt



Engine and Bellcrank Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
30	3253-4	7	Washer
31	323-11	1	Screw-HH
32	93-6003-03	1	Lever-Clutch
33	92-9216	1	Pulley - Input Drive
34	93-9024	1	Cable ASM - Link
35	98-7296	1	Idler Pulley ASM
35:1	98-7297	1	Pulley - Idler
35:2	38-7820	2	Bearing-Ball
35:3	88-7350	1	Bushing - Pulley
35:4	32120-42	1	Ring-Retaining
36	3296-39	1	Nut-Lock, NI
37	92-9218	1	V-Belt, Matched Set
38	33114-025	1	Screw-HH
39	65-8270	1	Washer
40	65-8260	1	Spacer-Engine Shaft
43	94-5861	1	Bracket - Module
44	94-9015	1	Screw - HH
45	3256-22	1	Washer-Flat
46	95-0922	1	Guide - Belt
48	93-6092-03	1	Guard-Muffler (only on: 04052te)
49	33113-012	4	Screw-HH (only on: 04052te)

Ref. No.	Part No.	Qty.	Description

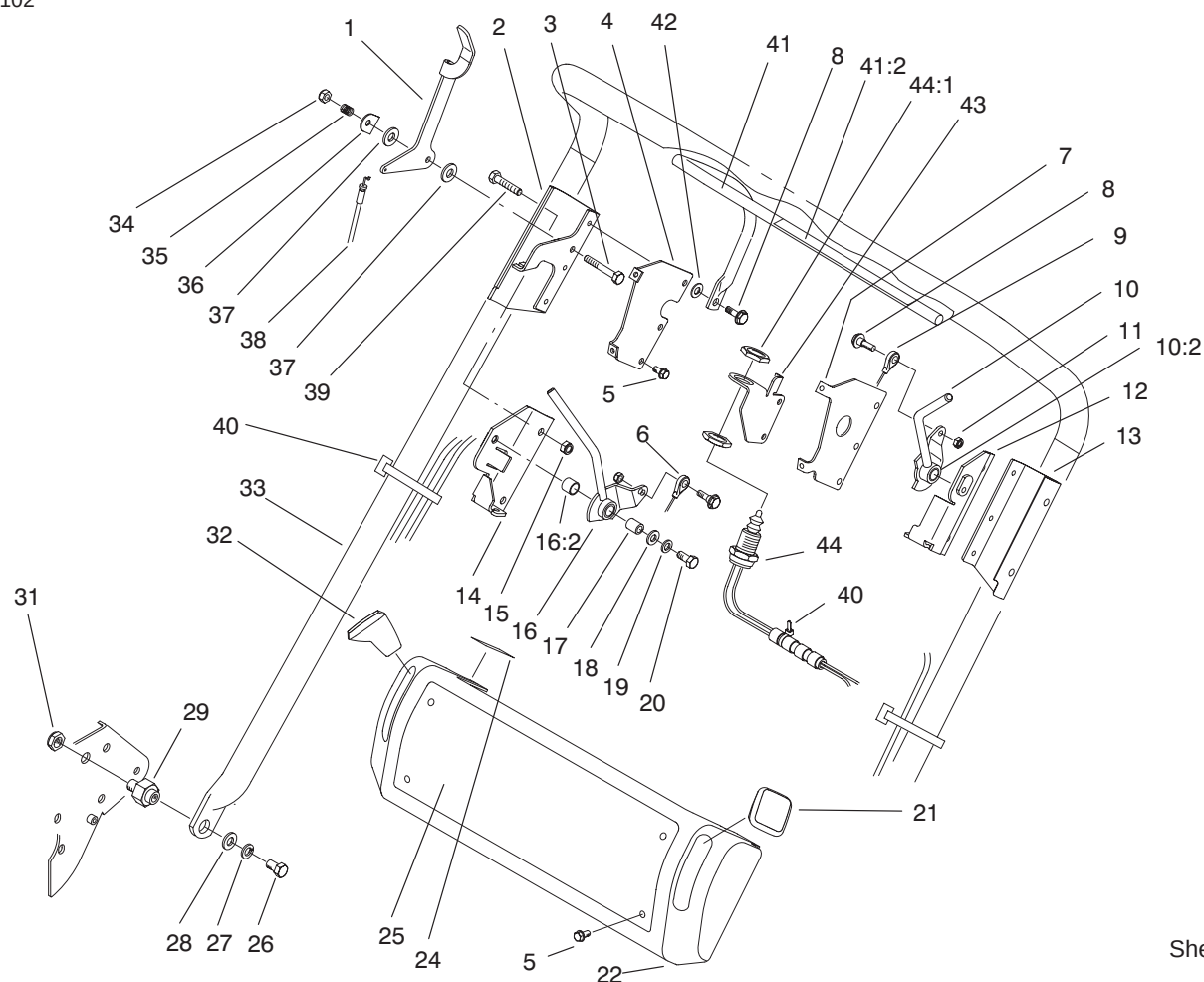


Sheet No.:9

T-3471

Handle Assembly

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	93-6017	1	Lever-Throttle	17	88-7450	2	Spacer - Control Lever
2	95-0908-03	1	Bracket - Skid Clutch	18	3256-23	2	Washer- Flat
3	321-8	1	Screw-HH	19	3253-4	2	Washer
4	93-6046-03	1	Bracket - Console, RH	20	3210-7	2	Screw-HH
5	93-6083	10	Screw-HWH (only on: 04052)	21	65-8971	1	Shift Knob
5	93-6083	8	Screw-HWH (only on: 04052te)	22	93-6036	1	Cover - Console
6	94-5870	1	Cable ASM - Clutch	24	93-6085	1	Decal - Throttle
7	93-6047-03	1	Bracket - Console, LH	25	104-0511	1	Decal-Console (only on: 04052)
8	11-9030	2	Screw-Shoulder (only on: 04052)	25	93-7347	1	Decal - Console (Europe) (only on: 04052te)
8	11-9030	4	Screw-Shoulder (only on: 04052te)	25	94-6312	1	Decal - Console (Japan)
9	94-5871	1	Cable ASM - Brake	26	323-34	2	Screw-HH
10	93-6058	1	Brake Lever ASM	27	3253-21	2	Washer-Lock
10:2	256-206	1	Bushing	28	3256-24	2	Washer-Flat
11	3296-42	2	Nut-Lock	29	93-6000	2	Pin Handle, Pivot
12	93-6022	1	Bracket-Brake	31	3296-28	2	Nut-Lock NI
13	95-0907-03	1	Bracket - Skid Brake	32	65-8970	1	Shift Knob - Black
14	93-6019	1	Bracket (only on: 04052te)	33	93-6001	1	Handle
15	3296-29	4	Nut-Lock, NI	34	3296-56	1	Nut-Lock, NI
16	95-5715	1	Clutch Lever ASM	35	3-5787	1	Spring-Compression
16:2	256-206	1	Bushing	36	93-6016	1	Washer-Retaining



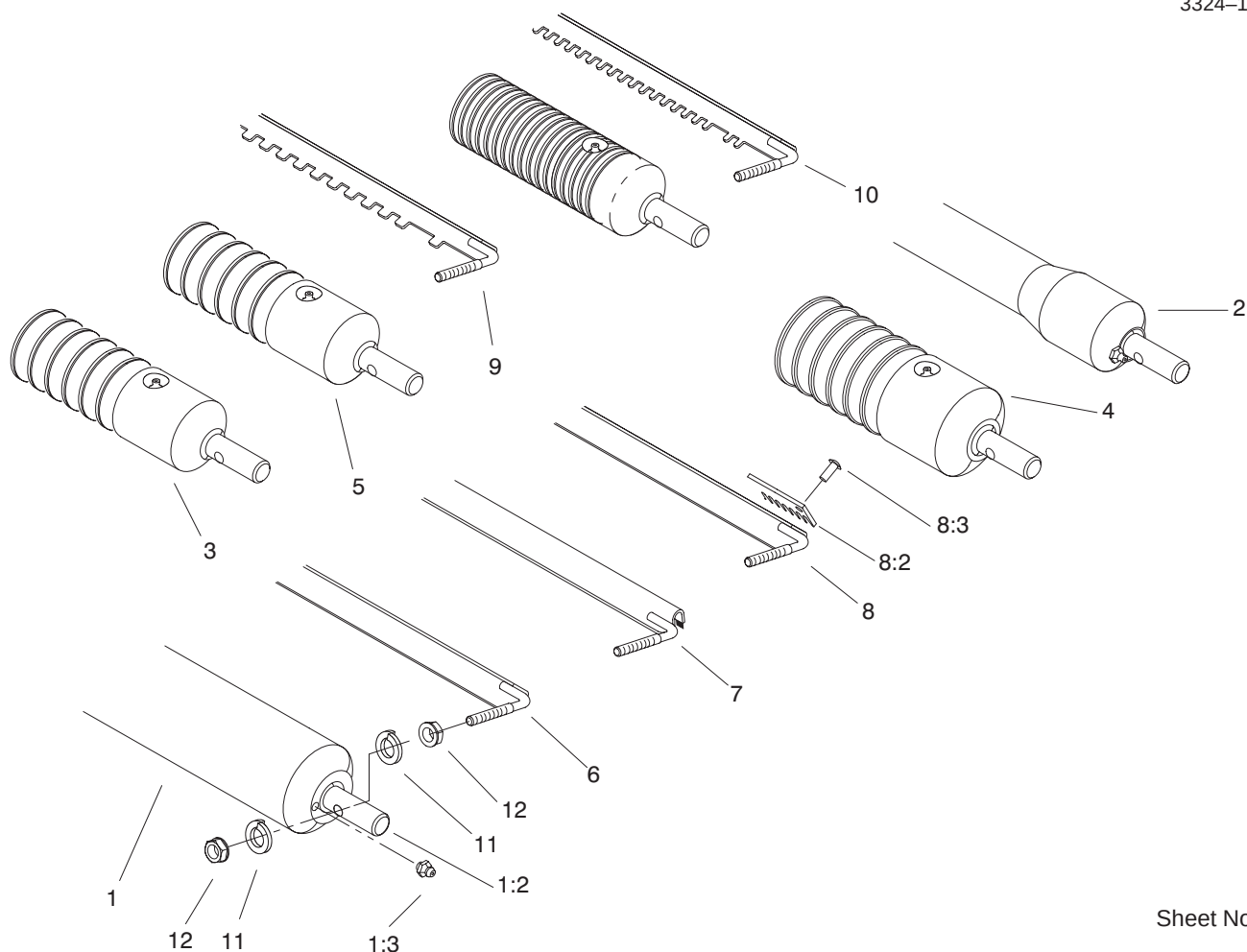
Sheet No.:9

T-3471

Handle Assembly (Continued)

Ref. No.	Part No.	Qty.	Description
37	66-2921	2	Washer-Friction, Throttle
38	94-5869	1	Cable - Throttle ASM
39	322-9	4	Screw-HH
40	3290-378	2	Tie-Cable (only on: 04052)
40	3290-378	4	Tie-Cable (only on: 04052te)
41	93-9009	1	Bail ASM (only on: 04052te)
41:2	93-9008	1	Decal-Bail Operation (only on: 04052te)
42	93-6079	2	Spacer (only on: 04052te)
43	93-6078-03	1	Bracket - Switch (only on: 04052te)
44	87-5490	1	Switch-Clutch (only on: 04052te)
44:1	3218-20	2	Nut-Jam (only on: 04052te)

Ref. No.	Part No.	Qty.	Description

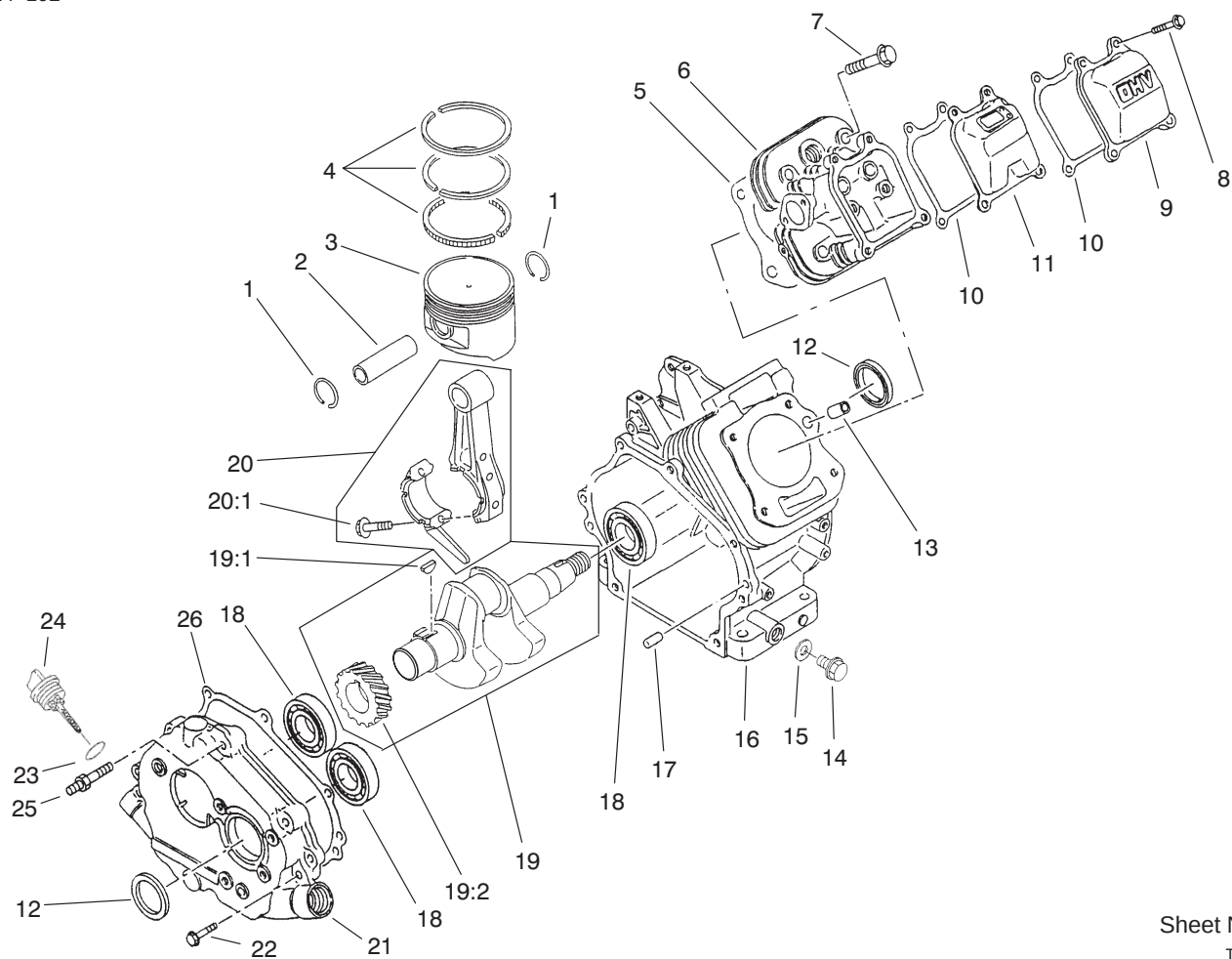


Sheet No.:10

GR1000 Roller and Scraper Options

Ref. No.	Part No.	Qty.	Description	Ref. No.	Part No.	Qty.	Description
1	52-3170	1	Full Front Roller ASM	15		1	HOC Bar ASM (only on: 04052te)
1:2	52-3180	2	Bearing-Front Roller	15:1	94-9011	1	Bar - HOC (only on: 04052te)
1:3	302-5	2	Fitting-Lube	15:2	32122-36	1	Screw (only on: 04052te)
2	52-3590	1	Swaged Roller ASM	15:3	32103-2	1	Nut-Wing (only on: 04052te)
*2:2	52-3180	2	Bearing-Front Roller				
*2:3	302-5	2	Fitting-Lube				
3	71-1550	1	Wiehle Roller ASM				
*3:2	302-5	2	Fitting-Lube				
*3:3	52-3180	2	Bearing-Front Roller				
4	93-9045	1	Wiehle Roller ASM				
*4:2	302-5	2	Fitting-Lube				
*4:3	52-3180	2	Bearing-Front Roller				
5	88-6790	1	Wiehle Roller ASM				
*5:2	302-5	2	Fitting-Lube				
*5:3	52-3180	2	Bearing-Front Roller				
6	65-8360-01	1	Scraper-Smooth				
7	33-1000	1	Scraper Brush ASM				
8	11-0070	1	Scraper Comb Assy				
8:2	8-2530	1	Comb				
8:3	3295-2	11	Semi Rivet				
9	65-8340-01	1	Scraper-Wiehle (Gr 1000)				
10	104-0509-01	1	Scraper-Wiehle, .20 Spacing				
11	3254-8	4	Washer-Lock - Int				
12	3219-1	4	Nut-Hex				

* Not illustrated

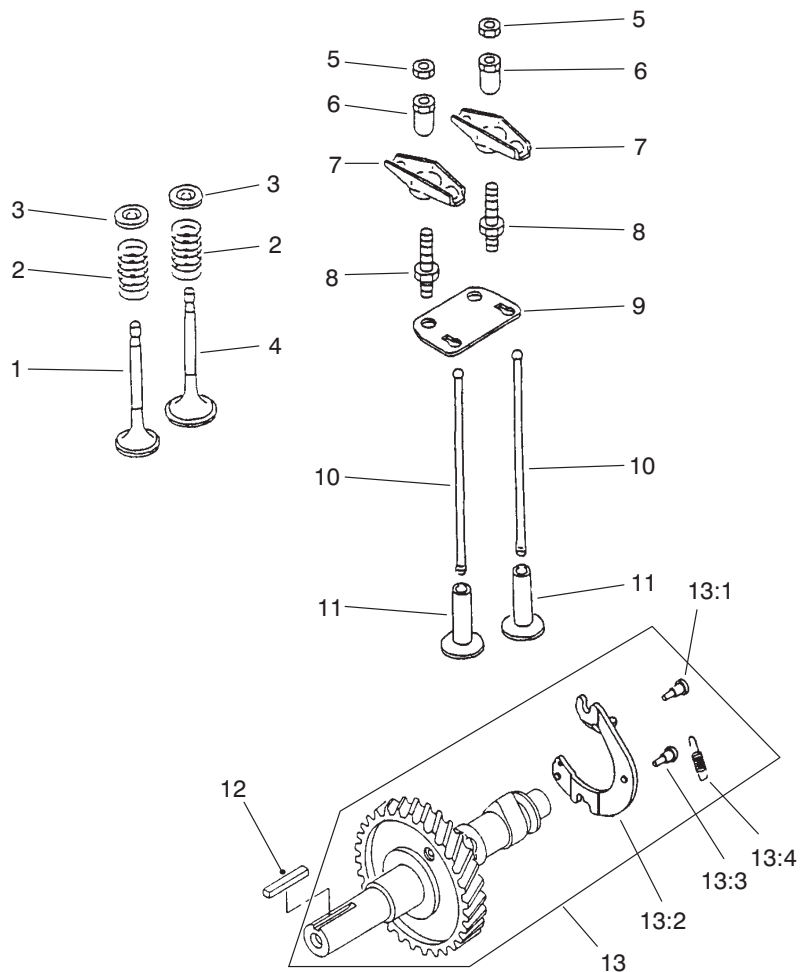


Sheet No.:50
T-3472

Engine Crankcase Assembly

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	93-8518	1	Crankshaft ASM
19:1	93-8526	1	Key
19:2	94-9043	1	Gear – Helical
20	93-8528	1	Connecting Rod ASM
20:1	93-8527	2	Bolt-Rod

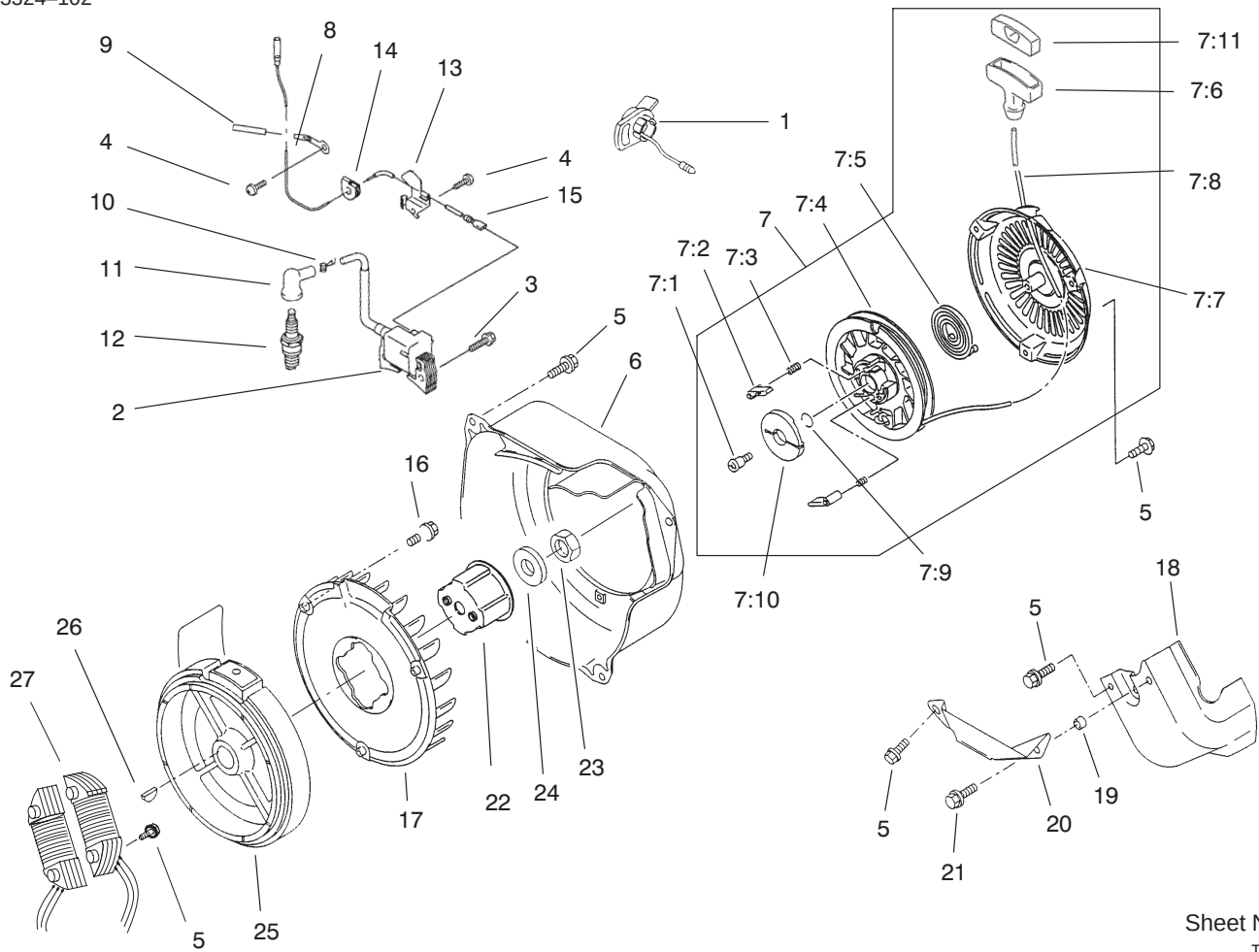
Ref. No.	Part No.	Qty.	Description
21	93-8520	1	Cover-Crankcase
22	93-8521	7	Bolt-Flanged
23	94-9041	2	Seal – O-Ring
24	93-8523	2	Cap-Oil-Filter
25	93-8524	1	Stud
26	93-8525	1	Gasket-Crankcase



Sheet No.:51
T-3473

Engine Camshaft and Valves Assembly

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				
12	93-8545	1	Key				
13	93-8544	1	Camshaft ASM				
13:1	93-8540	1	Pin				
13:2	93-8543	1	Decompressor				
13:3	93-8542	1	Pin				
13:4	93-8541	1	Spring				



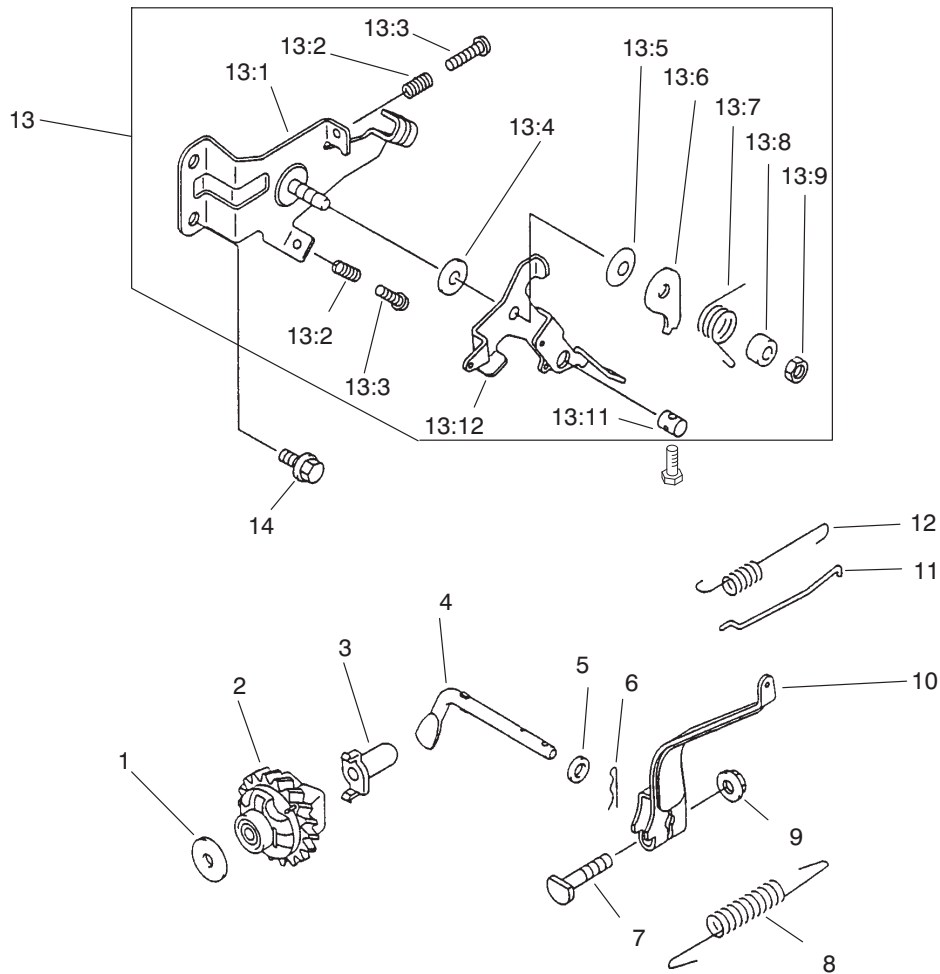
Sheet No.:52

T-3465

Engine Ignition Assembly

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	2	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 - Recoil Starter
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-Spark Plug
12	93-8584	1	Spark Plug
13	93-8583	1	Clamp
14	93-8582	1	Grommet
15	94-9038	1	Wire - Lead

Ref. No.	Part No.	Qty.	Description
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

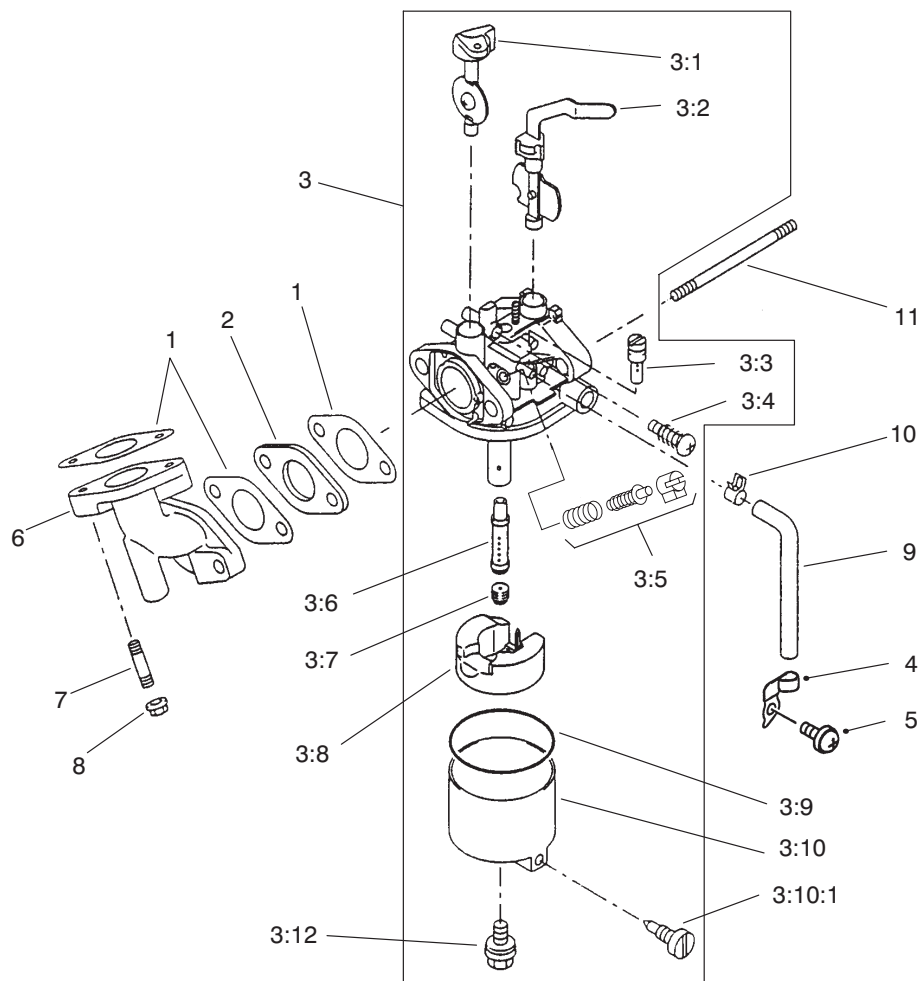


Sheet No.:53

T-3474

Engine Governor Assembly

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



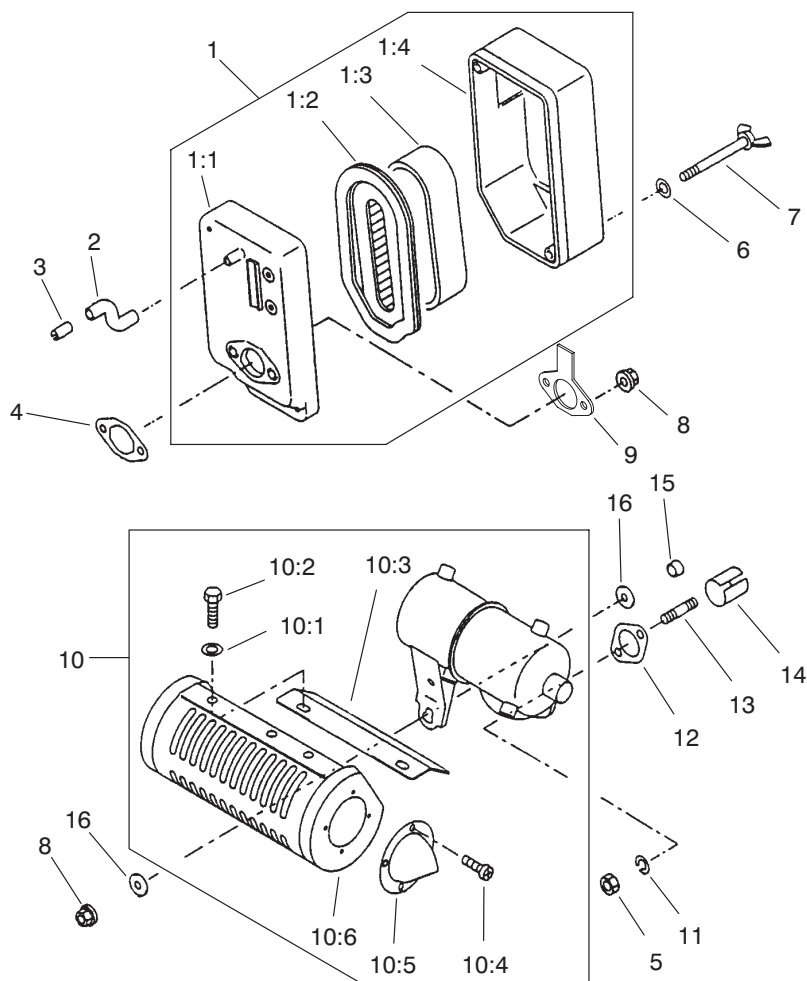
Sheet No.:54

T-3475

Carburetor Assembly

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	98-8735	2	Jet Main No 62 High Alt
3:7	98-8736	2	Jet Main No 60 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
11	93-8628	2	Bolt-Stud

Ref. No.	Part No.	Qty.	Description

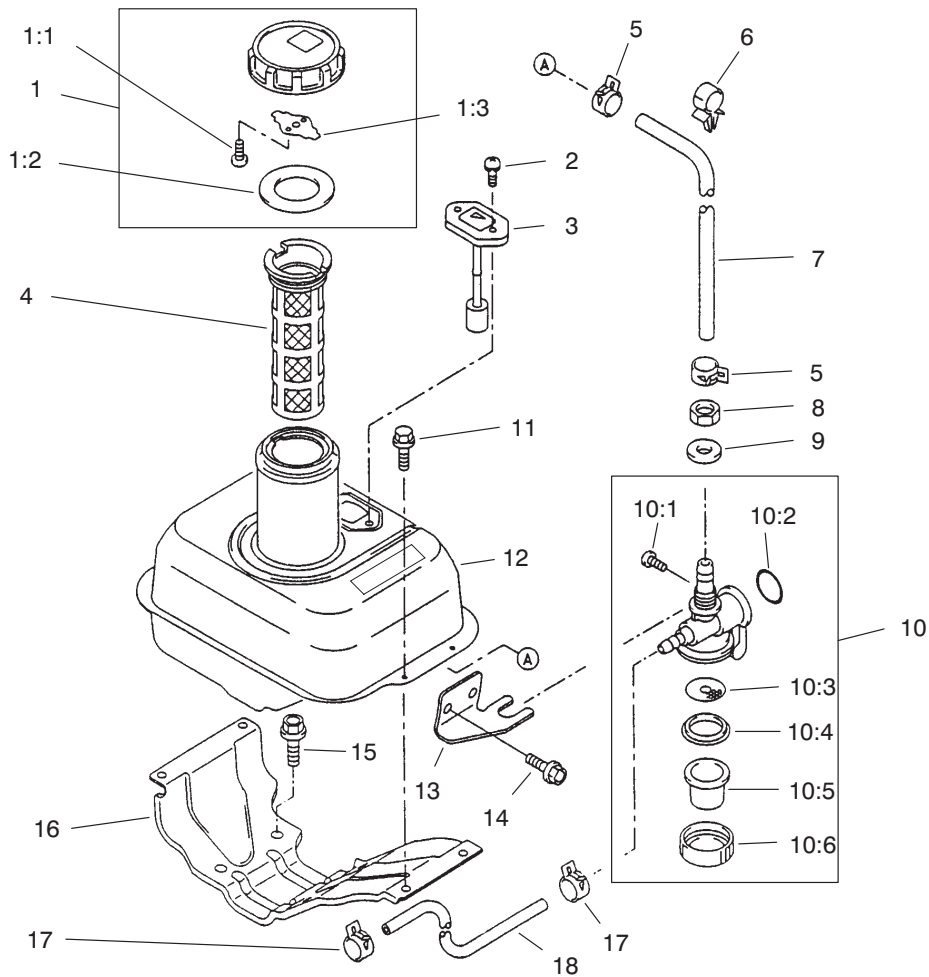


Sheet No.:55

T-3476

Engine Air Cleaner and Muffler Assembly

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	93-8643	1	Muffler ASM				
10:1	93-8645	4	Washer				
10:2	93-8644	4	Bolt				
10:3	93-8646	1	Cover-Muffler				
10:4	93-8647	4	Screw				
10:5	93-8648	1	Pipe-Tail				
10:6	93-8649	1	Cover-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				



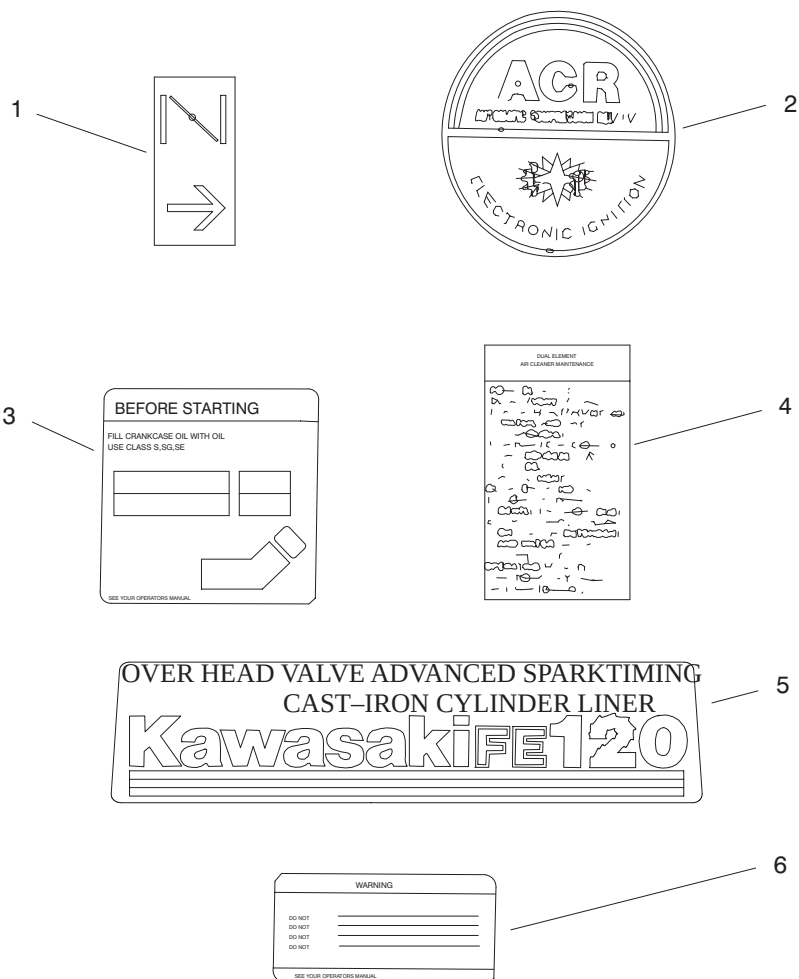
Sheet No.:56

T-3477

Engine Fuel Tank Assembly

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
16	93-8678	1	Bracket-Tank

Ref. No.	Part No.	Qty.	Description
17	93-8676	2	Clamp
18	93-8677	1	Tube



Sheet No.:57

T-3478

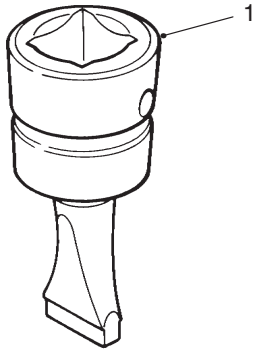
Decals

Ref. No.	Part No.	Qty.	Description
1	93-8687	1	Decal-Choke
2	94-9027	1	Label – Recoil
3	93-8689	1	Decal-Instructions
4	93-8690	1	Decal-Maintenance
5	94-9028	1	Label – Kawasaki
6	93-8692	1	Decal-warning

Ref. No.	Part No.	Qty.	Description

SPECIAL TOOLS

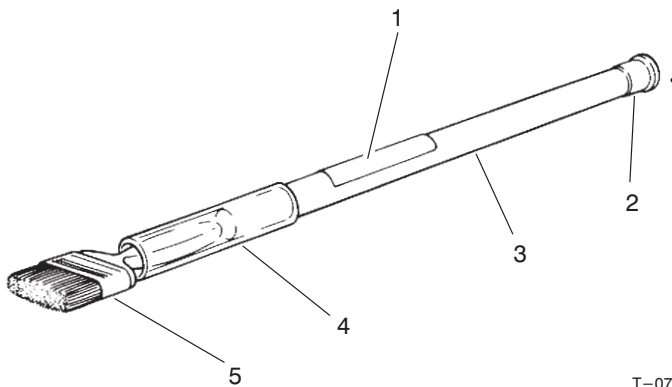
BEDKNIFE SCREW TOOL NO. *TOR510880



T-0729

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

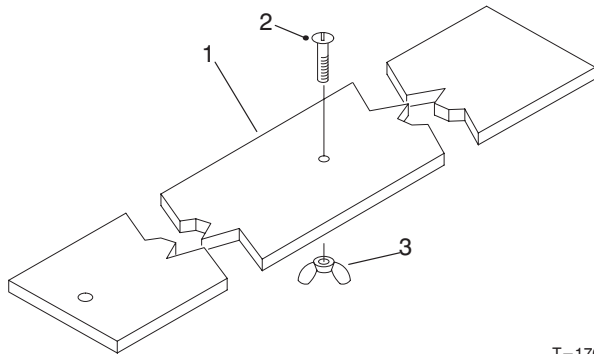
BACKLAPPING BRUSH ASSEMBLY NO. *TOR299100



T-0731

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

HEIGHT-OF-CUT BAR ASSEMBLY NO. 94-9010



T-1763-3

Ref. No.	Part No.	Description	No. Used
1	94-9011	Bar	1
2	32122-36	Screw—Slotted Truss Hd.	1
3	32103-2	Nut—Wing	1

*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.

