Form Number 3352-318

# Gearbox Service Kit

## 2005 and After Greensmaster® Flex™ 21

**Model No. 108-4314**

# Parts Catalog

**Ordering Replacement Parts**

To order replacement parts, please supply the part number, the quantity, and the description of each part desired.

**Understanding Reference Numbers**

Each Identified part in an illustration has a reference number. The reference number for a part also appears in the parts list, along with other information about the part.

This catalog uses two special reference number formats, one to indicate parts in a service assembly and another to indicate the quantity of a given part in an illustration.

**Service Assembly Reference Numbers**

Parts in service assemblies have reference numbers in the form a:b. The a represents the reference number of the entire service assembly and the b represents a sequential number unique to each part within the service assembly.

For example, a wheel assembly might be identified by reference number 6, the tire by 6:1, the valve by 6:2, and the wheel by 6:3. When you order the assembly identified by reference number 6, you receive all parts identified by reference numbers 6:1, 6:2, and 6:3. However, you may also order any part individually. Reference numbers of this type appear in illustrations and in part lists.

**Reference Numbers Indicating Quantity**

In an illustration, if a reference number indicates more than one part, the reference number has the form nX y. The n represents the quantity of the part, the X is the multiplication symbol, and the y represents the reference number.

For example, in an illustration, the reference number 2X 37 means that two of the parts identified by reference number 37 are indicated.

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# Part Description Abbreviations

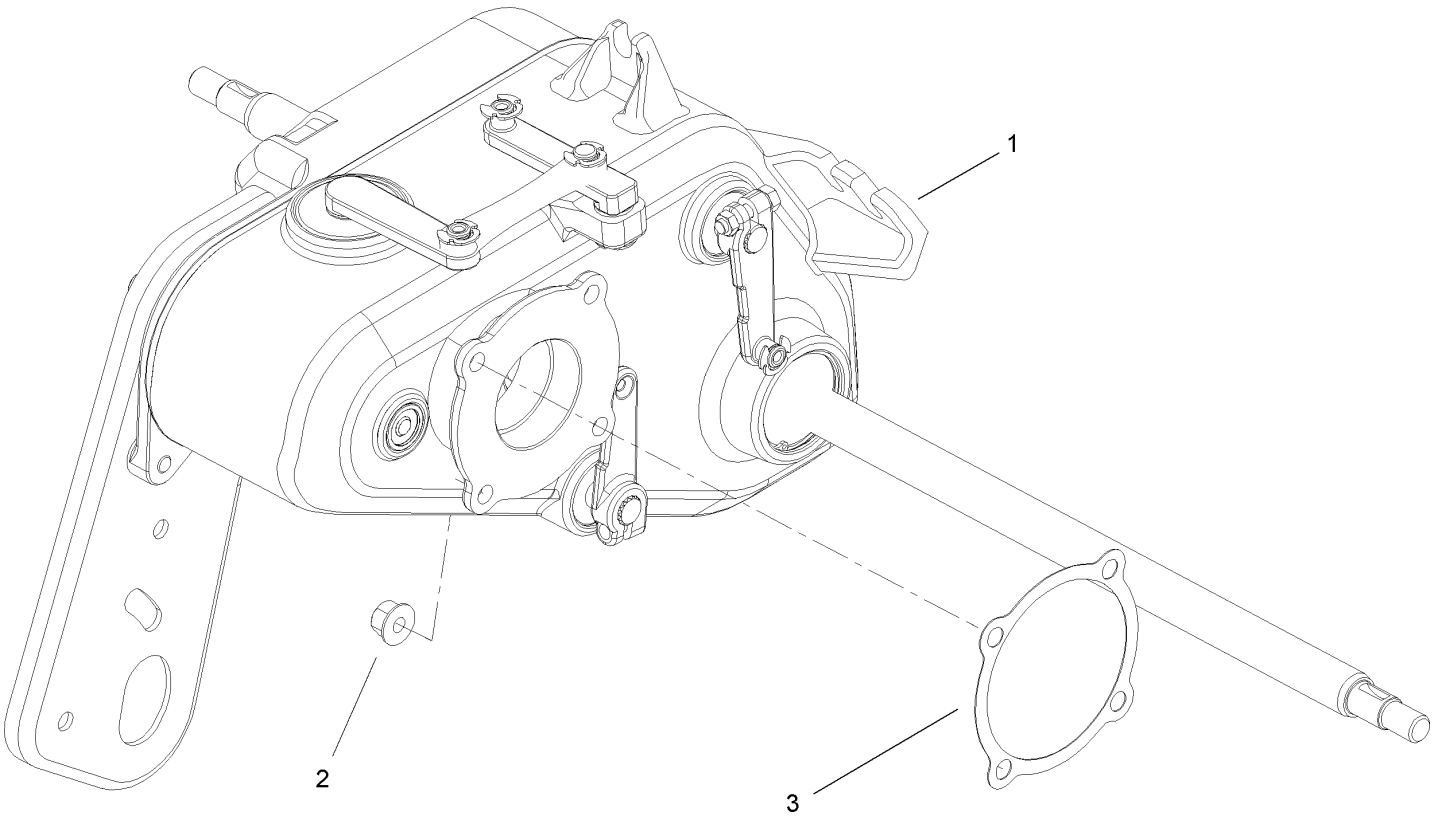
Part descriptions in this catalog may include the following abbreviations.

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

# Footnotes

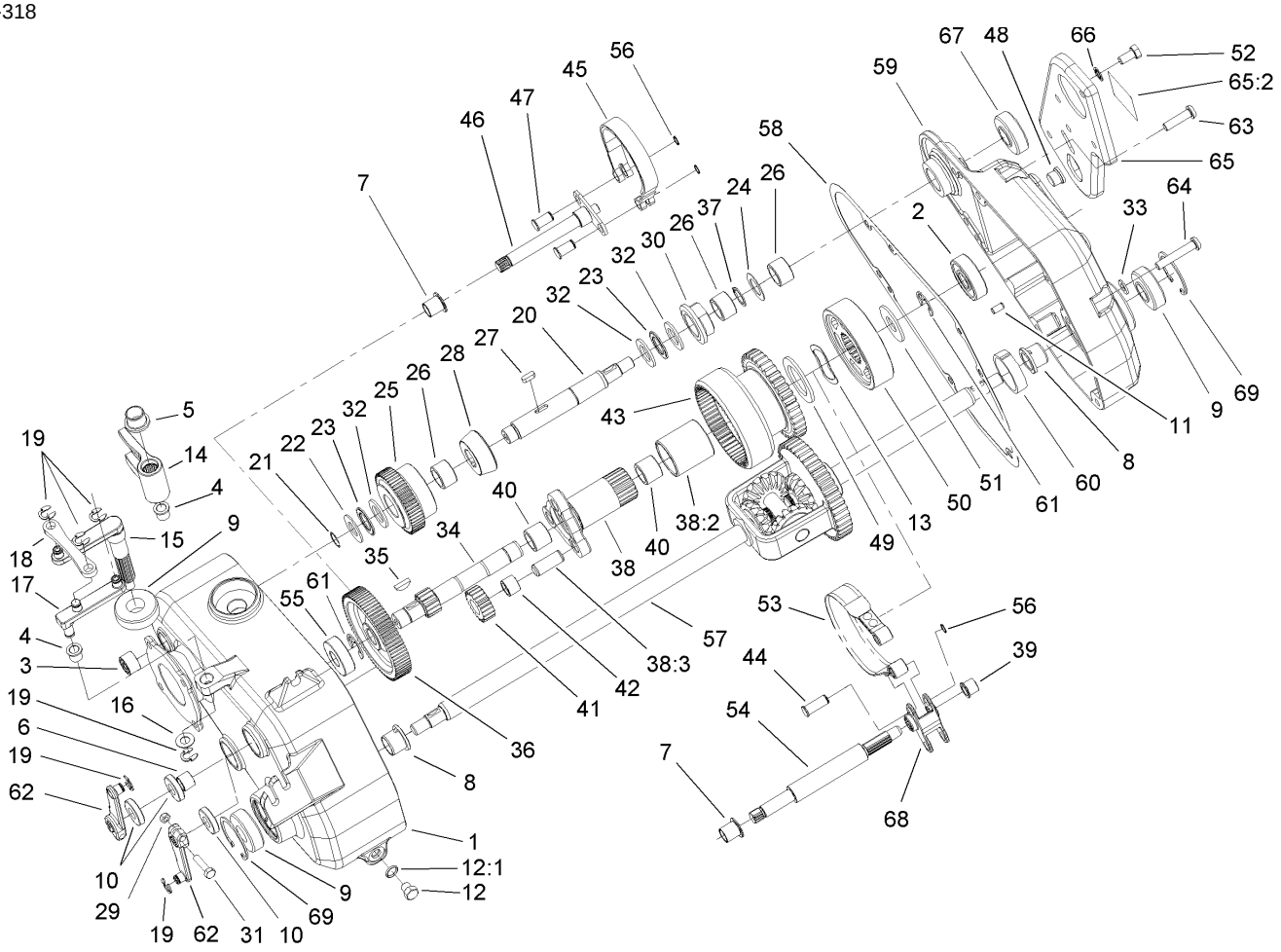
❶ Not illustrated

❷ Not serviced separately




# Gearbox Kit Assembly No. 108-4314

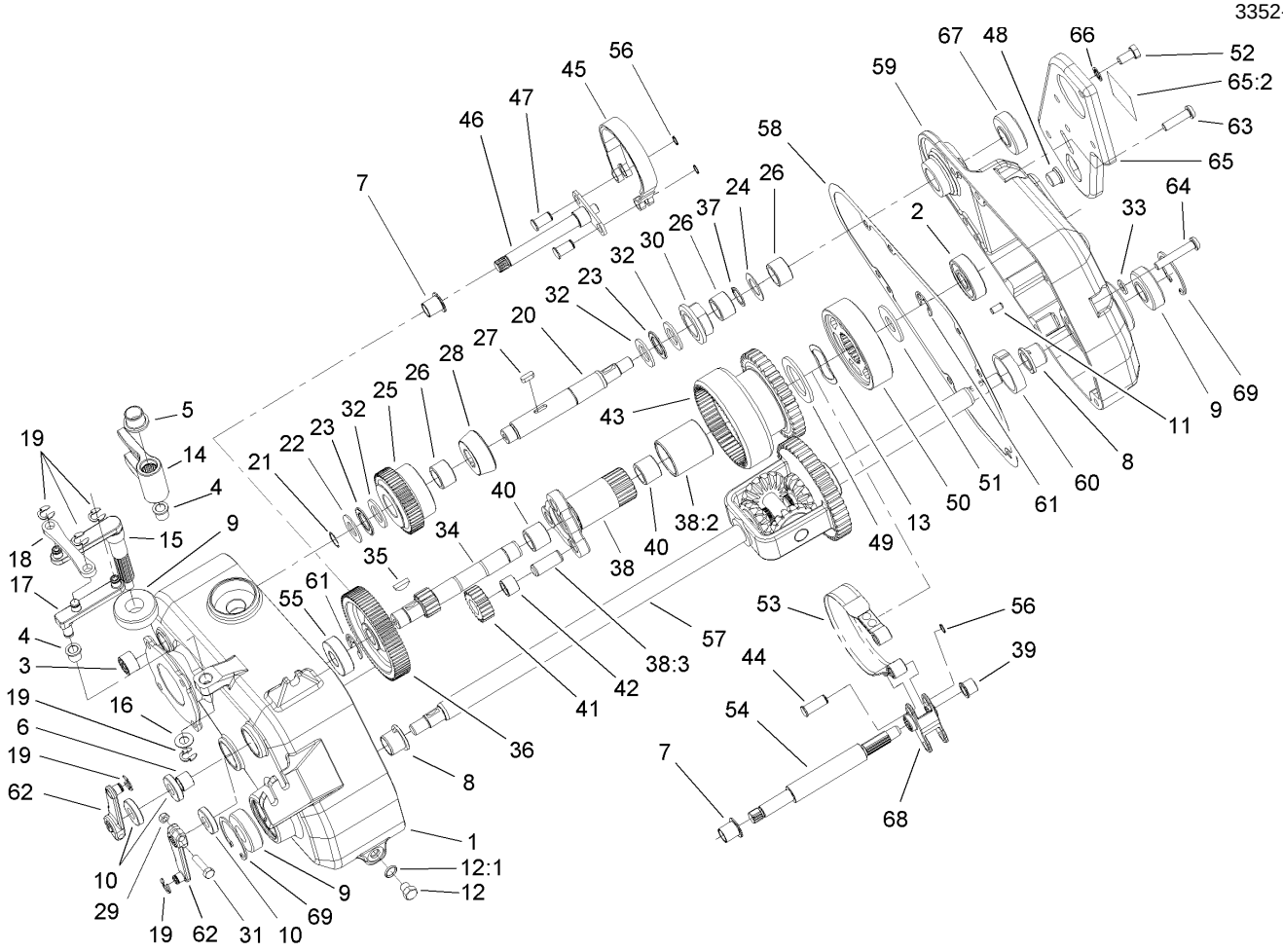
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| ❷1 | | 1 | Gearbox ASM |
| 2 | 104-2612 | 4 | Nut-HF |
| 3 | 99-2052 | 1 | Gasket-Flange |




# Gearbox Assembly

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 106-4682 | 1 | Housing-Gearbox |
| 2 | 107-3201 | 1 | Bearing-Ball, High Load Capacity |
| 3 | 98-4194 | 1 | Bearing-Needle, Caged |
| 4 | 256-316 | 2 | Bushing |
| 5 | 256-287 | 1 | Bushing |
| 6 | 256-1 | 1 | Bushing |
| 7 | 256-219 | 2 | Bushing |
| 8 | 99-2062 | 2 | Bushing-Keyed, Flanged |
| 9 | 99-3842 | 3 | Seal-Oil |
| 10 | 99-2056 | 3 | Seal-Oil |
| 11 | 95-0715 | 2 | Pin-Dowel |
| 12 | 353-948 | 1 | Plug |
| 12:1 | 237-118 | 1 | O-Ring |
| 13 | 105-9944 | 1 | Washer-Wave, Spring |
| 14 | 99-2014 | 1 | Fork-Clutch |
| 15 | 99-2015 | 1 | Shaft-Fork |
| 16 | 37-8080 | 1 | Washer-Thrust |
| 17 | 99-3779 | 1 | Bellcrank |
| 18 | 99-3780 | 1 | Link |
| 19 | 32151-47 | 6 | Ring-Retaining |
| 20 | 99-2009 | 1 | Shaft-Clutch |
| 21 | 99-3805 | 1 | Ring-Retaining |
| 22 | 99-3806 | 1 | Washer-Thrust |
| 23 | 99-3836 | 2 | Bearing-Thrust |

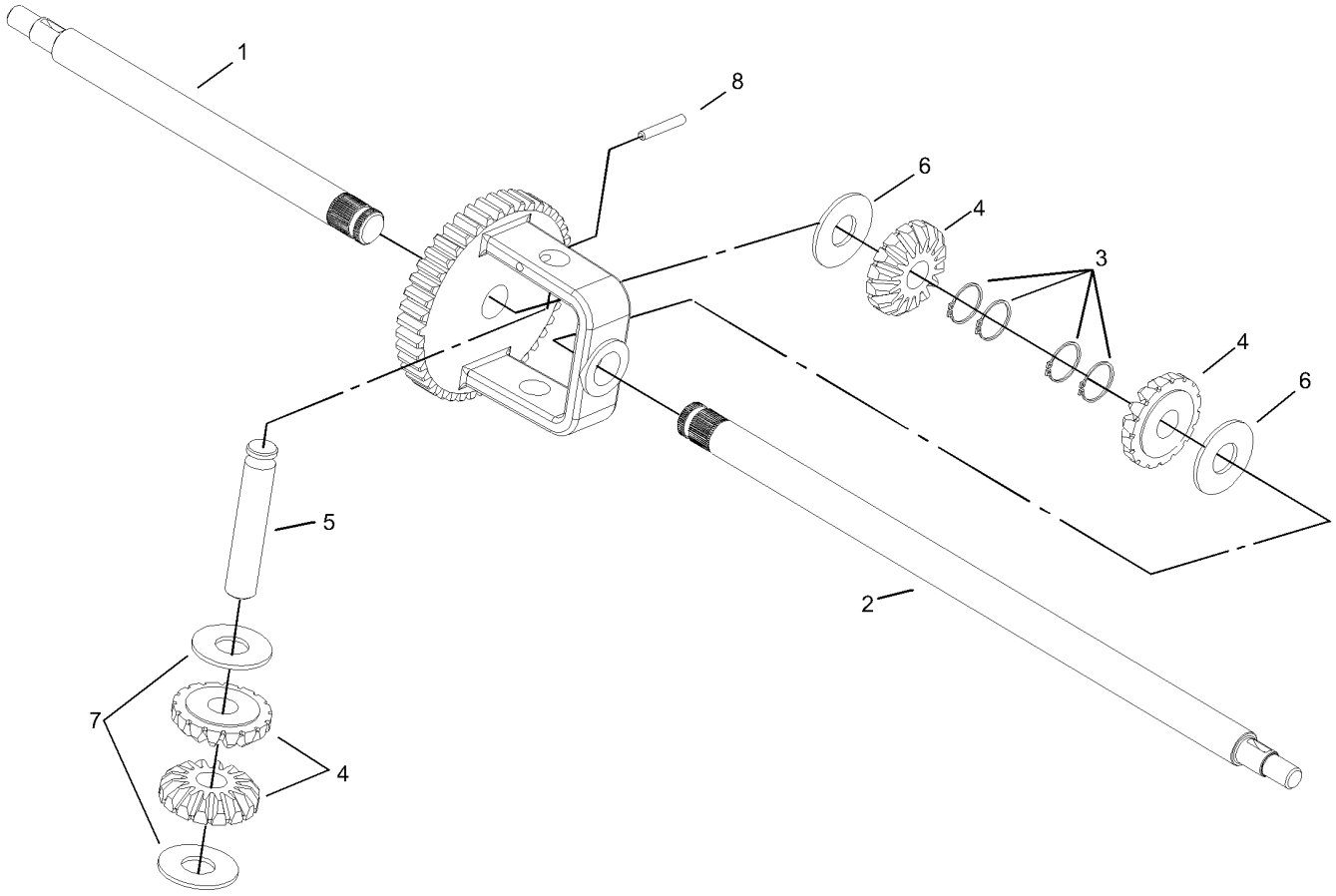
| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 24 | 99-3837 | 1 | Washer-Thrust |
| 25 | 106-8441 | 1 | Gear-Clutch, Reel |
| 26 | 1523 | 3 | Bearing-Needle |
| 27 | 99-2059 | 2 | Key-Square |
| 28 | 107-3232 | 1 | Cone ASM |
| 29 | 33023-00 | 2 | Nut-Lock |
| 30 | 106-8440 | 1 | Hub-Plunger |
| 31 | 33113-025 | 2 | Screw-HH |
| 32 | 99-3807 | 3 | Washer-Thrust |
| 33 | 33094-00 | 4 | Washer-Flat |
| 34 | 99-2003 | 1 | Gear-Sun |
| 35 | 3257-30 | 1 | Key-Woodruff |
| 36 | 99-2004 | 1 | Gear-Input |
| 37 | 32120-72 | 1 | Ring-Snap |
| 38 | 107-8166 | 1 | Carrier ASM |
| 38:2 | 104-0524 | 1 | Bushing-Carrier |
| 38:3 | 107-9031 | 3 | Pin-Dowel |
| 39 | 104-9776 | 1 | Bushing-Flanged |
| 40 | 104-0535 | 2 | Bearing-Needle |
| 41 | 106-4694 | 3 | Gear-Spur |
| 42 | 48-2060 | 3 | Bearing-Roller |
| 43 | 99-2006 | 1 | Gear-Ring |
| 44 | 106-8444 | 2 | Pin-Clevis, Long |
| 45 | 99-2049 | 1 | Band-Brake |




# Gearbox Assembly (continued)

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 46 | 99-2020 | 1 | Shaft-Brake |
| 47 | 106-8445 | 2 | Pin-Clevis, Short |
| 48 | 353-989 | 1 | Plug-Hex, Hollow |
| ❶48:1 | 237-42 | 1 | O-Ring |
| 49 | 99-2054 | 1 | Washer-Thrust |
| 50 | 107-9046 | 1 | Drum-Clutch,traction |
| 51 | 99-2055 | 1 | Washer-Thrust |
| 52 | 33114-016 | 1 | Screw-HH |
| 53 | 107-9042 | 1 | Clutch Band ASM |
| 54 | 105-9937 | 1 | Shaft-Clutch, Traction |
| 55 | 251-6 | 1 | Bearing-Ball |
| 56 | 32120-46 | 4 | Ring-Retaining |
| 57 | 99-2038 | 1 | Differential ASM |
| 58 | 99-2051 | 1 | Gasket |
| 59 | 106-4683 | 1 | Cover-Gearbox |
| 60 | 99-2061 | 1 | Bushing-Keyed |
| 61 | 32151-48 | 2 | E-Ring |
| 62 | 99-3761 | 2 | Lever-Gearbox |
| 63 | 99-6208 | 2 | Screw-Sh |
| 64 | 99-6207 | 4 | Screw-Sbh |
| 65 | 104-2634 | 1 | Drive Shaft Plate ASM |
| 65:2 | 93-9389 | 1 | Decal-Warning, Belt |
| 65:2 | 93-9356 | 1 | Decal-Warning, Belt |
| 66 | 3254-2 | 1 | Washer-Lock, Int |

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 67 | 105-2429 | 1 | Seal-Oil, High Temp |
| 68 | 105-9938 | 1 | Hub-Clutch, Traction |
| 69 | 32120-62 | 2 | Ring-Retaining |




# Differential Assembly No. 99-2038

| Ref | Part No. | Qty. | Description |
|---|---|---|---|
| 1 | 105-2402 | 1 | Axle (Short) |
| 2 | 105-2403 | 1 | Axle (Long) |
| 3 | 95-5746 | 2 | Ring-Retaining |
| 4 | 105-2405 | 1 | Set-Gear, Differential |
| 5 | 105-2404 | 1 | Pin-Drive |
| 6 | 95-5745 | 2 | Washer |
| 7 | 105-2406 | 2 | Washer-Thrust |
| 8 | 32121-79 | 1 | Pin-Roll |

# NOTES


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