



**Count on it.**

Form No. 3363-424 Rev B

# Parts Catalog

## **Greensmaster® Flex™ 18 Traction Unit**

**Model No. 04019—Serial No. 310000001 and Up**

# 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 illustration and in parts 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.

# List of Abbreviations

**AR:** as required

**ASM:** assembly

**BBC:** blade brake control

**BHTF:** button head thread forming

**CARR:** carriage

**CCW:** counter clockwise

**CCW:** counter clock wise

**CW:** clockwise

**CW:** clockwise

**DEG:** degrees

**ECM:** electronic control module

**ECM:** electronic control module

**EXT:** external

**FH:** flat head

**GA:** gauge

**HD:** heavy-duty

**HF:** hex flange

**HH:** hex head

**HHF:** hex head flange

**HHFTF:** hex head flange thread forming

**HJ:** hex jam

**HLH:** hex lag head

**HOC:** height-of-cut

**HSBH:** hex socket button head

**HSFH:** hex socket flat head

**HSH:** hex socket head

**HWH:** hex washer head

**HWHTF:** hex washer head thread forming

**HWHTF:** hex washer head thread forming

**HYD:** hydraulic

**LH:** left hand

**NI:** nylon insert

**NPTF:** national pipe thread fine

**PFH:** phillips flat head

**PPH:** phillips pan head

**PPHTF:** phillips pan head thread forming

**PRH:** phillips round head

**PTH:** phillips truss head

**PTO:** power-take-off

**RH:** right hand

**ROPS:** roll-over protection system

**RRB:** rear roller brush

**SFH:** slotted fillister head

**SHH:** slotted hex head

**SHWH:** slotted hex washer head

**SPH:** slotted pan head

**SQH:** square head

**SRH:** slotted round head

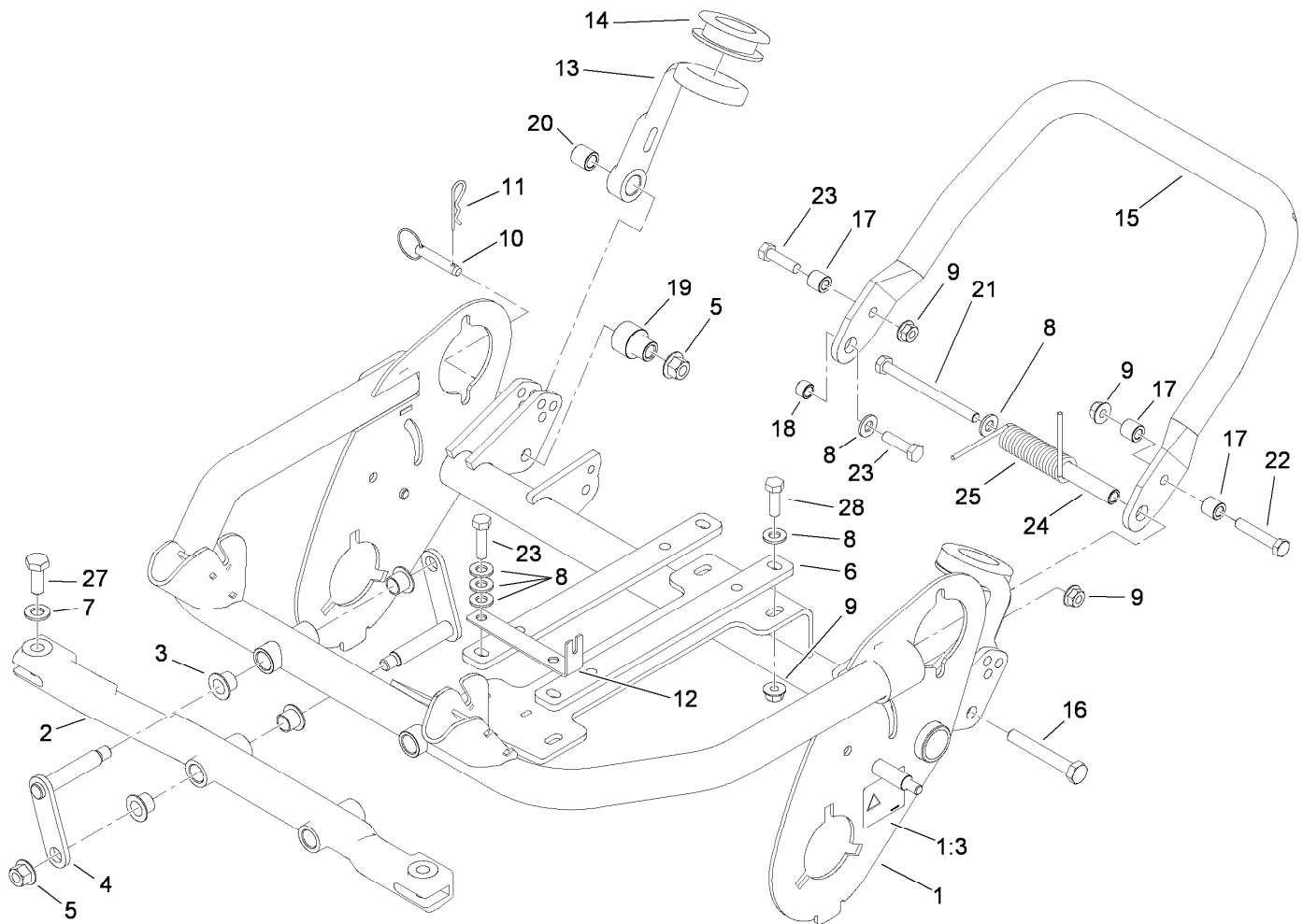
**STD:** standard

**TAP:** self tapping

**TTH:** torx truss head

# Contents

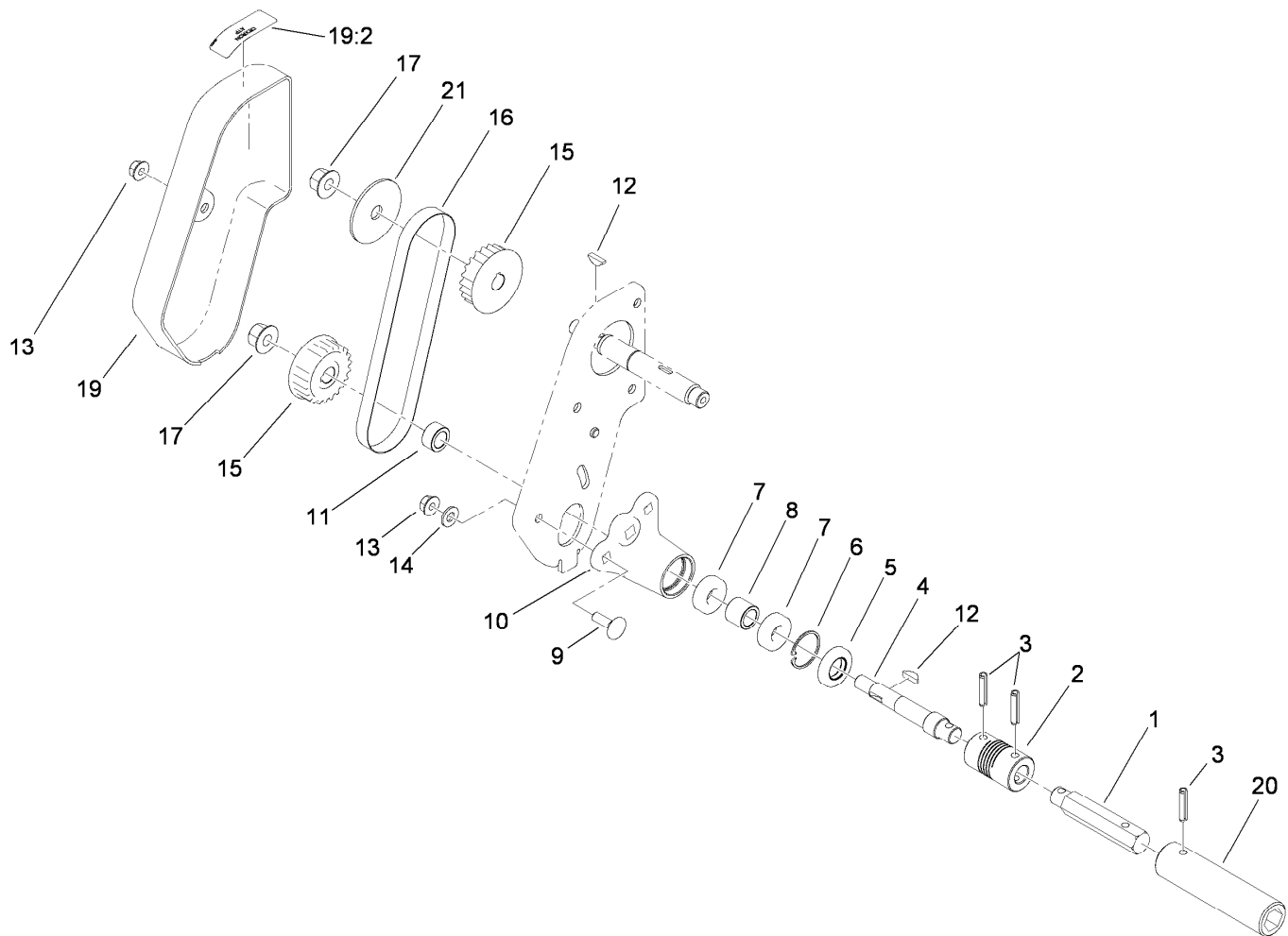
|                                              |    |
|----------------------------------------------|----|
| Frame Assembly . . . . .                     | 4  |
| Reel Drive Assembly . . . . .                | 5  |
| Drum Drive and Basket Assembly . . . . .     | 6  |
| Gearbox and Engine Assembly . . . . .        | 7  |
| Gearbox Assembly . . . . .                   | 8  |
| Differential Assembly No. 115-1650 . . . . . | 10 |
| Handle Assembly . . . . .                    | 11 |
| Cylinder and Crankcase Assembly . . . . .    | 13 |
| Piston and Crankshaft Assembly . . . . .     | 14 |
| Valve and Camshaft Assembly . . . . .        | 15 |
| Lubrication Equipment Assembly . . . . .     | 16 |
| Cooling Equipment Assembly . . . . .         | 17 |
| Electric Equipment Assembly . . . . .        | 18 |
| Control Equipment Assembly . . . . .         | 19 |
| Carburetor Assembly . . . . .                | 20 |
| Air Filter and Muffler Assembly . . . . .    | 21 |
| Fuel Tank and Fuel Valve Assembly . . . . .  | 22 |
| Starter Assembly . . . . .                   | 23 |
| Label Set . . . . .                          | 24 |
| Attachments and Accessories . . . . .        | 25 |



## Frame Assembly

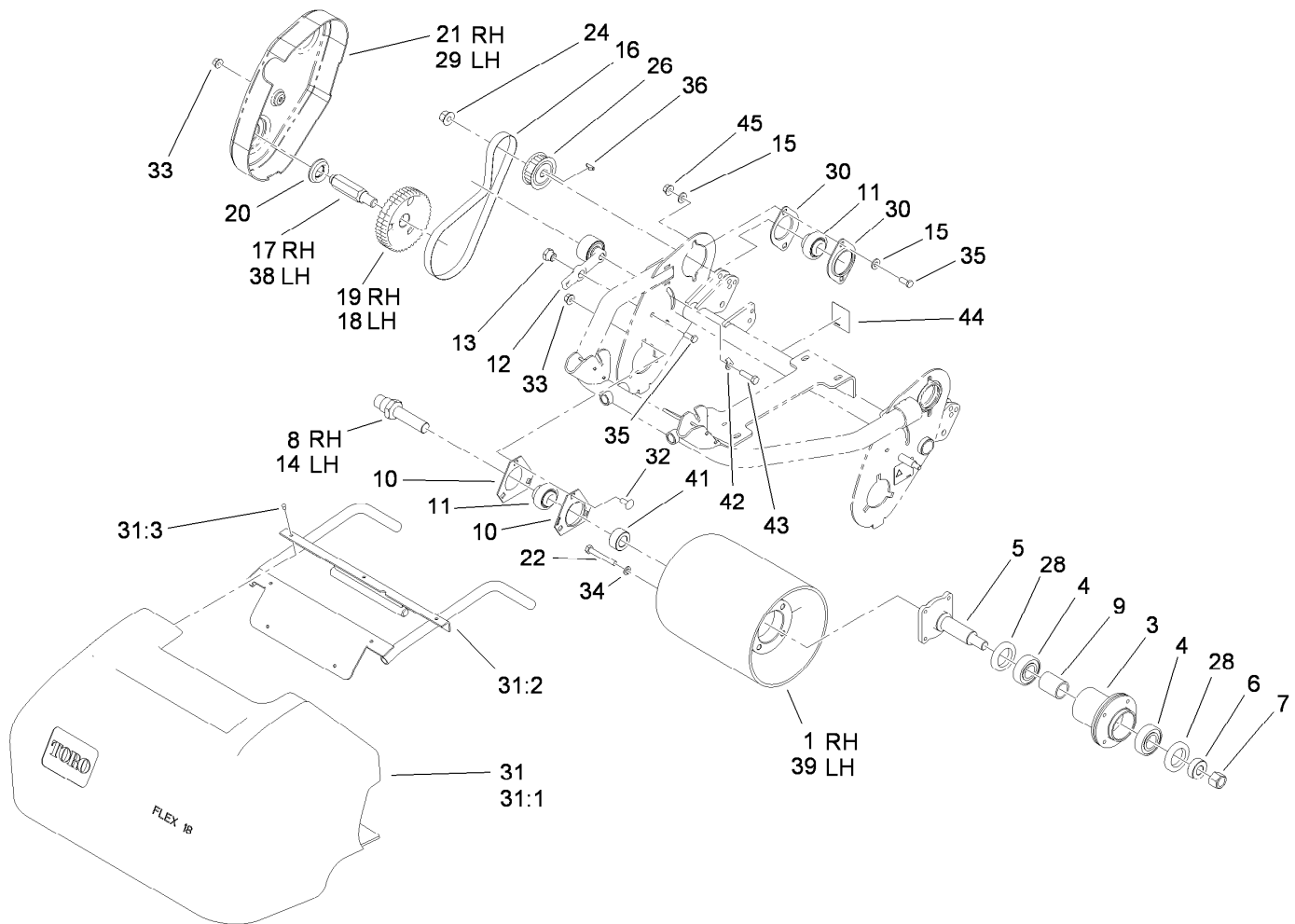
| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 1    | 110-2402    | 1    | Frame ASM                   |
| 1:3  | 93-9389     | 2    | Decal-Warning, Belt (Japan) |
| 2    | 110-2248-01 | 1    | Frame-Front                 |
| 3    | 93-2561     | 8    | Bushing-Flange              |
| 4    | 99-2063     | 4    | Link ASM                    |
| 5    | 104-2611    | 6    | Nut-HF                      |
| 6    | 99-2070-01  | 2    | Base-Engine                 |
| 7    | 33095-00    | 2    | Washer-Flat                 |
| 8    | 33094-00    | 8    | Washer-Plain                |
| 9    | 117-1350    | 8    | Nut-HF, Lock                |
| 10   | 93-6029     | 2    | Pin-Clevis, Ring            |
| 11   | 3290-467    | 2    | Pin-Hair                    |
| 12   | 105-9939    | 1    | Strap-Support, Cable        |
| 13   | 99-3774-03  | 2    | Arm-Handle                  |

| Ref. | Part Number | Qty. | Description             |
|------|-------------|------|-------------------------|
| 14   | 65-7510     | 2    | Grommet-Handle          |
| 15   | 110-2246-03 | 1    | Kickstand               |
| 16   | 33115-070   | 2    | Screw-HH                |
| 17   | 93-6024     | 3    | Bushing-Support, Handle |
| 18   | 65-7910     | 1    | Spacer                  |
| 19   | 108-3177    | 2    | Spacer-Hub              |
| 20   | 99-2058     | 2    | Spacer-Support, Handle  |
| 21   | 33114-100   | 1    | Screw-HH                |
| 22   | 33114-045   | 1    | Screw-HH                |
| 23   | 33114-030   | 3    | Screw-HH                |
| 24   | 104-0502    | 1    | Spacer-Kickstand, Long  |
| 25   | 99-2011     | 1    | Spring-Torsion          |
| 27   | 33115-025   | 2    | Screw-HH                |
| 28   | 33114-025   | 3    | Screw-HH                |



## Reel Drive Assembly

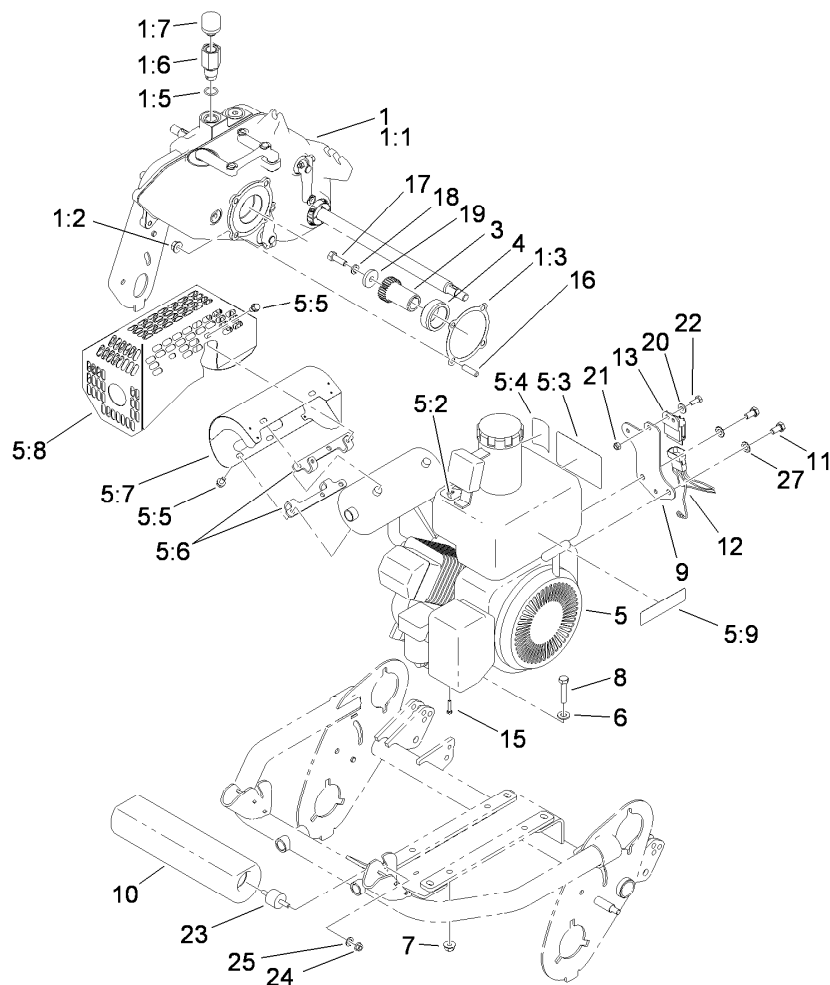
| Ref. | Part Number | Qty. | Description       |
|------|-------------|------|-------------------|
| 1    | 110-2249    | 1    | Shaft-Hex         |
| 2    | 99-3757     | 1    | Coupling-Flex     |
| 3    | 32121-69    | 3    | Pin-Spring        |
| 4    | 110-2382    | 1    | Shaft-Drive, Reel |
| 5    | 107-3205    | 1    | Seal-Oil          |
| 6    | 32151-51    | 1    | Ring-Retaining    |
| 7    | 251-336     | 2    | Bearing-Ball      |
| 8    | 99-2079     | 1    | Spacer            |
| 9    | 33124-025   | 2    | Screw-CARR        |
| 10   | 99-2083     | 1    | Housing-Bearing   |
| 11   | 110-2381    | 1    | Spacer            |
| 12   | 3257-30     | 2    | Key-Woodruff      |
| 13   | 117-1350    | 3    | Nut-HF, Lock      |
| 14   | 33094-00    | 2    | Washer-Plain      |
| 15   | 107-9044    | 2    | Pulley-22 Tooth   |
| 16   | 99-2022     | 1    | Belt              |
| 17   | 115-1115    | 2    | Nut-HHF, Lock     |
| 19   | 110-2286    | 1    | Belt Cover ASM    |
| 19:2 | 105-2411    | 1    | Decal-Oil, HYD    |
| 20   | 110-2390    | 1    | Tube-Hex          |
| 21   | 104-0532    | 1    | Washer-Pulley     |



## Drum Drive and Basket Assembly

| Ref. | Part Number | Qty. | Description                  |
|------|-------------|------|------------------------------|
| 1    | 110-2238    | 1    | Drum-Traction, RH            |
| 3    | 107-3214    | 1    | Hub-Drum                     |
| 4    | 251-82      | 2    | Bearing-Ball                 |
| 5    | 107-3215    | 1    | Spindle-Drum                 |
| 6    | 65-6530     | 1    | Spacer                       |
| 7    | 33028-00    | 1    | Nut-Lock, NI                 |
| 8    | 107-3206    | 1    | Shaft-Drum, RH               |
| 9    | 65-6520     | 1    | Spacer                       |
| 10   | 108-8626    | 4    | Flange-Triangular            |
| 11   | 106-8448    | 4    | Bearing-Race, Extended       |
| 12   | 117-1434    | 2    | Idler ASM                    |
| 13   | 105-5770    | 2    | Nut-Shoulder                 |
| 14   | 107-3207    | 1    | Shaft-Drum, LH               |
| 15   | 33094-00    | 8    | Washer-Plain                 |
| 16   | 117-1353    | 2    | Belt-Traction                |
| 17   | 107-3216    | 1    | Shaft-Wheel, Transport (RH)  |
| 18   | 110-2290    | 1    | Pulley-Driven, Traction (LH) |
| 19   | 110-2289    | 1    | Pulley-Driven, Traction (RH) |
| 20   | 104-0533    | 2    | Seal-Cover, Drum             |
| 21   | 105-5326    | 1    | Cover-Drum, RH               |
| 22   | 33114-060   | 8    | Screw-HH                     |

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 24   | 115-1115    | 2    | Nut-HHF, Lock               |
| 26   | 110-2315    | 2    | Pulley-Driver, 22 Tooth     |
| 28   | 253-159     | 2    | Seal                        |
| 29   | 105-5327    | 1    | Cover-Drum, LH              |
| 30   | 700083      | 4    | Flangette-Bearing           |
| 31   | 110-2252    | 1    | Grass Basket ASM            |
| 31:1 | 110-2253    | 1    | Basket-Grass                |
| 31:2 | 110-2250-03 | 1    | Basket Frame ASM            |
| 31:3 | 3269-28     | 5    | Rivet-Pop                   |
| 32   | 33124-020   | 6    | Screw-CARR                  |
| 33   | 117-1350    | 8    | Nut-HF, Lock                |
| 34   | 3253-4      | 8    | Washer-Lock                 |
| 35   | 33114-020   | 6    | Screw-HH                    |
| 36   | 3257-30     | 2    | Key-Woodruff                |
| 38   | 107-3224    | 1    | Shaft-Wheel, Transport (LH) |
| 39   | 110-2237    | 1    | Drum-Traction, LH           |
| 41   | 106-8417    | 2    | Spacer-Shaft, Drum          |
| 42   | 107-8180    | 2    | Washer-Tab                  |
| 43   | 33114-030   | 2    | Screw-HH                    |
| 44   | 105-7872    | 1    | Decal-Europe Noise, 96Db    |
| 45   | 98-0668     | 4    | Nut                         |

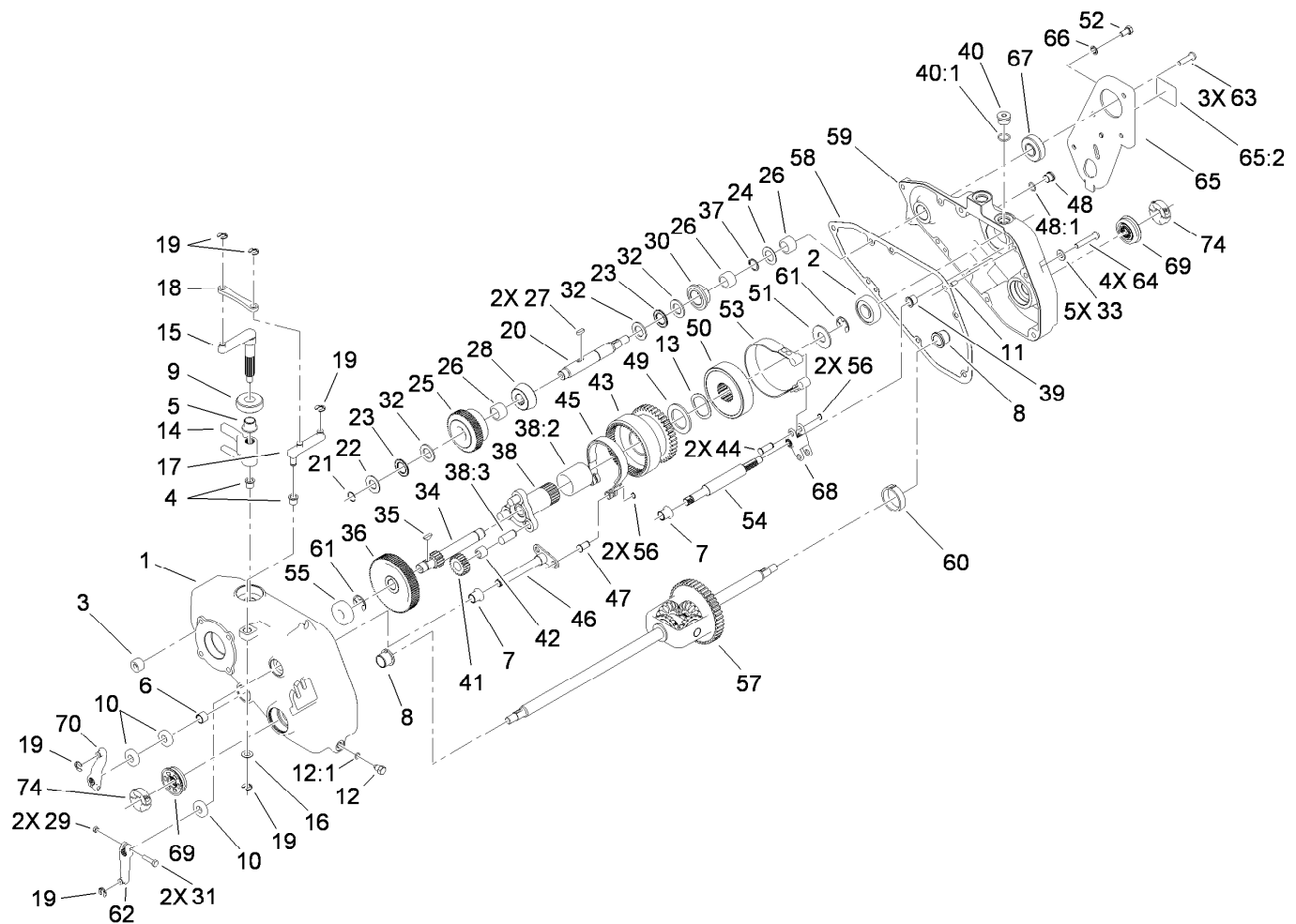


## Gearbox and Engine Assembly

| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 1    | 117-1357    | 1    | Gearbox Service ASM    |
| 1:1  |             | 1    | Gearbox ASM ●          |
| 1:2  | 117-1350    | 4    | Nut-HF, Lock           |
| 1:3  | 99-2052     | 1    | Gasket-Flange          |
| 1:5  | 237-79      | 1    | O-Ring                 |
| 1:6  | 117-1453    | 1    | Adapter-Vent           |
| 1:7  | 117-1446    | 1    | Vent-Breather          |
| 3    | 110-2445    | 1    | Gear-Engine, 28 Tooth  |
| 4    | 99-2001     | 1    | Adapter-Engine         |
| 5    | 117-1464    | 1    | Engine ASM             |
| 5:2  | 115-1615    | 1    | Decal-Surface, Hot     |
| 5:3  | 115-1613    | 1    | Decal-Danger           |
| 5:4  | 93-9886     | 1    | Decal-Fuel             |
| 5:5  | 104-2628    | 8    | Screw-HWH              |
| 5:6  | 104-9771    | 2    | Bracket-Guard, Muffler |
| 5:7  | 112-9360    | 1    | Shield-Muffler, Inner  |
| 5:8  | 112-9361-03 | 1    | Guard-Muffler          |
| 5:9  | 117-2718    | 1    | Decal-Arrester, Spark  |
| 6    | 33094-00    | 4    | Washer-Plain           |

| Ref. | Part Number | Qty. | Description         |
|------|-------------|------|---------------------|
| 7    | 117-1350    | 8    | Nut-HF, Lock        |
| 8    | 33114-040   | 4    | Screw-HH            |
| 9    | 117-1365-03 | 1    | Plate-Harness, Wire |
| 10   | 107-8191-01 | 1    | Damper-13Lbs        |
| 11   | 33114-016   | 2    | Screw-HH            |
| 12   | 117-1410    | 1    | Harness-Wire        |
| 13   | 1-323430    | 1    | Module-Interlock    |
| 15   | 94-9015     | 1    | Screw-HH            |
| 16   | 108-9446    | 4    | Screw-Set           |
| 17   | 3210-5      | 1    | Screw-HH            |
| 18   | 3253-4      | 1    | Washer-Lock         |
| 19   | 65-8270     | 1    | Washer              |
| 20   | 3256-22     | 1    | Washer-Flat         |
| 21   | 33023-00    | 1    | Nut-Lock            |
| 22   | 33113-016   | 1    | Screw-HH            |
| 23   | 110-2259    | 2    | Mount-Isolator      |
| 24   | 33003-00    | 2    | Nut-HF              |
| 25   | 107-7601    | 2    | Washer-Tab          |
| 27   | 3255-9      | 2    | Washer-Lock         |

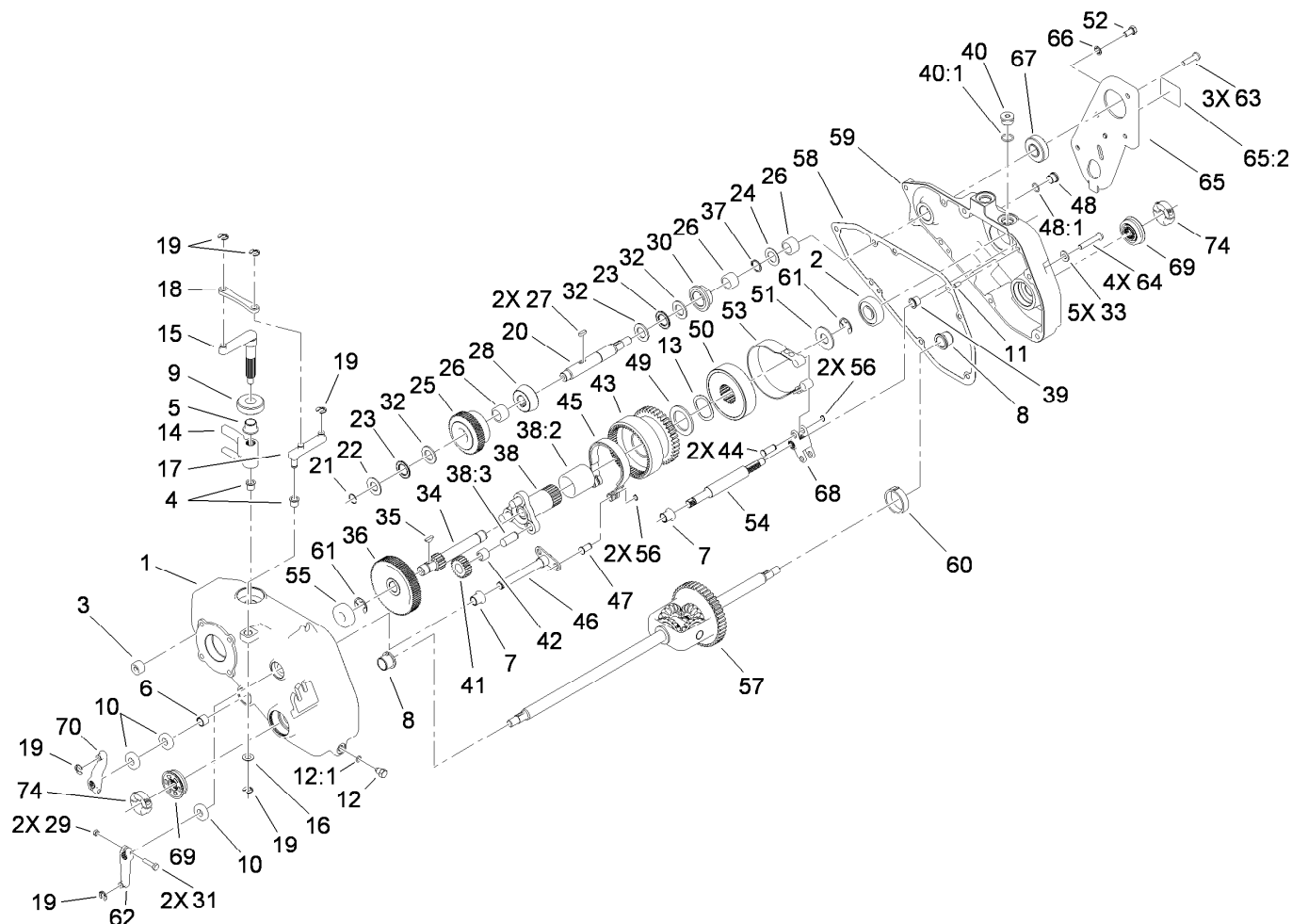
● Not serviced separately



## Gearbox Assembly

| Ref. | Part Number | Qty. | Description                          |
|------|-------------|------|--------------------------------------|
| 1    | 117-1450    | 1    | Housing-Gearbox                      |
| 2    | 110-7339    | 1    | Bearing-Ball                         |
| 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     | 1    | Seal-Oil                             |
| 10   | 99-2056     | 3    | Seal-Oil                             |
| 11   | 95-0715     | 2    | Pin-Dowel                            |
| 12   | 110-2455    | 1    | Fitting-Plug, Magnetic               |
| 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   | 110-2450    | 1    | Lever-Bellcrank                      |
| 18   | 99-3780     | 1    | Link                                 |
| 19   | 32151-47    | 6    | Ring-Retaining                       |
| 20   | 115-1117    | 1    | Shaft-Clutch, Reel                   |
| 21   | 99-3805     | 1    | Ring-Retaining                       |
| 22   | 99-3806     | 1    | Washer-Thrust                        |
| 23   | 99-3836     | 2    | Bearing-Thrust                       |
| 24   | 99-3837     | 1    | Washer-Thrust                        |
| 25   | 110-2444    | 1    | Gear-Clutch, 55 Tooth (Reel Crowned) |
| 26   | 1523        | 3    | Bearing-Needle                       |

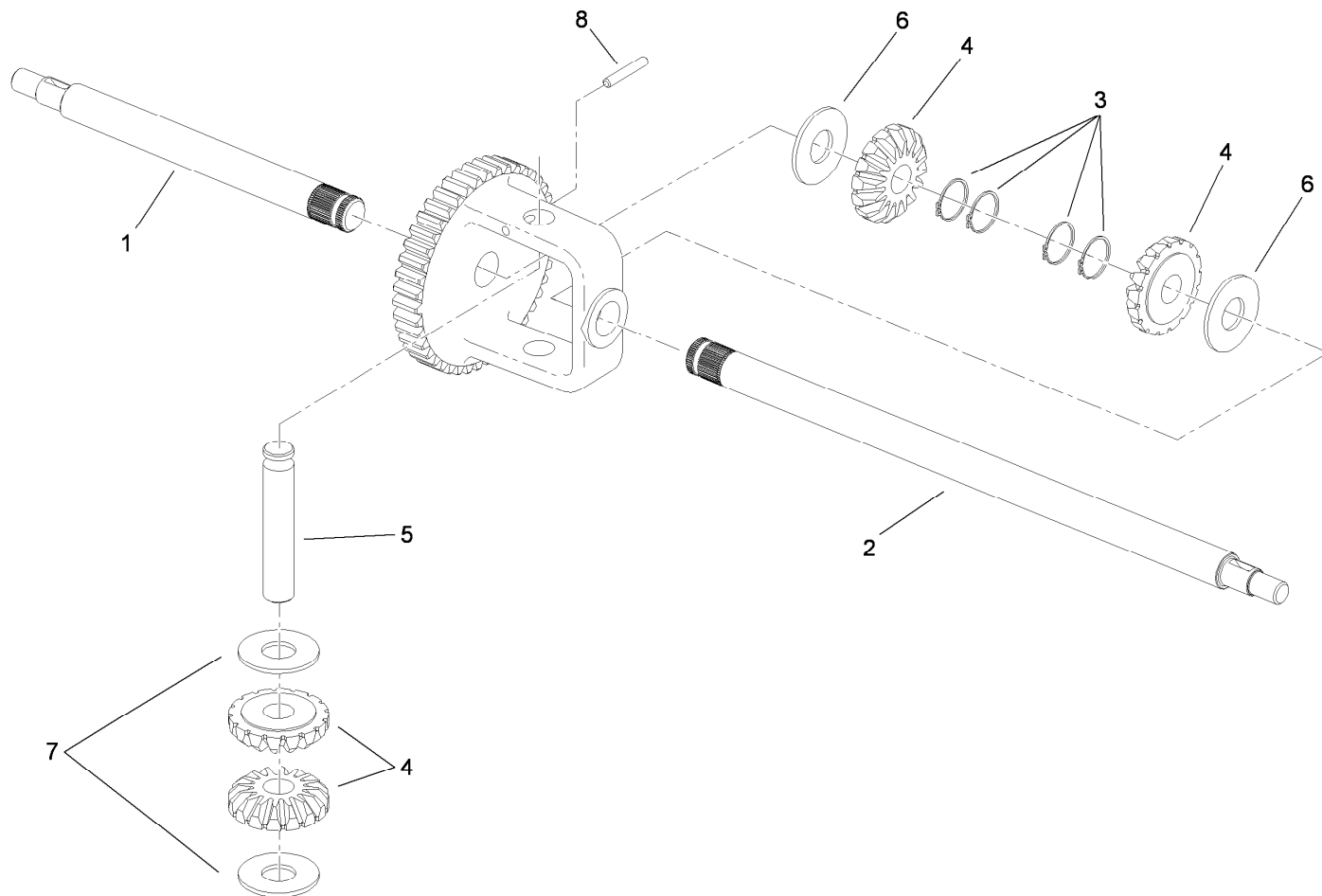
| Ref. | Part Number | Qty. | Description                       |
|------|-------------|------|-----------------------------------|
| 27   | 99-2059     | 2    | Key                               |
| 28   | 107-3232    | 1    | Cone ASM                          |
| 29   | 33023-00    | 2    | Nut-Lock                          |
| 30   | 110-2459    | 1    | Hub-Plunger                       |
| 31   | 33113-025   | 2    | Screw-HH                          |
| 32   | 99-3807     | 3    | Washer-Thrust                     |
| 33   | 33094-00    | 5    | Washer-Plain                      |
| 34   | 107-8128    | 1    | Shaft-Sun                         |
| 35   | 3257-30     | 1    | Key-Woodruff                      |
| 36   | 110-2442    | 1    | Gear-Traction, 78 Tooth (Crowned) |
| 37   | 32120-72    | 1    | Ring-Snap                         |
| 38   | 110-2439    | 1    | Carrier ASM                       |
| 38:2 | 104-0524    | 1    | Bushing-Carrier                   |
| 38:3 | 107-9031    | 3    | Pin-Dowel                         |
| 39   | 104-9776    | 1    | Bushing-Flanged                   |
| 40   | 353-988     | 1    | Plug-Hex                          |
| 40:1 | 237-79      | 1    | O-Ring                            |
| 41   | 106-4694    | 3    | Gear-Spur                         |
| 42   | 48-2060     | 3    | Bearing-Roller                    |
| 43   | 110-2451    | 1    | Gear-Ring, Planetary              |
| 44   | 106-8444    | 2    | Pin-Clevis, Long                  |
| 45   | 99-2049     | 1    | Band-Brake                        |
| 46   | 99-2020     | 1    | Shaft-Brake                       |
| 47   | 106-8445    | 2    | Pin-Clevis, Short                 |
| 48   | 353-989     | 1    | Plug-Hex, Hollow                  |
| 48:1 | 237-42      | 1    | O-Ring                            |
| 49   | 99-2054     | 1    | Washer-Thrust                     |



## Gearbox Assembly (continued)

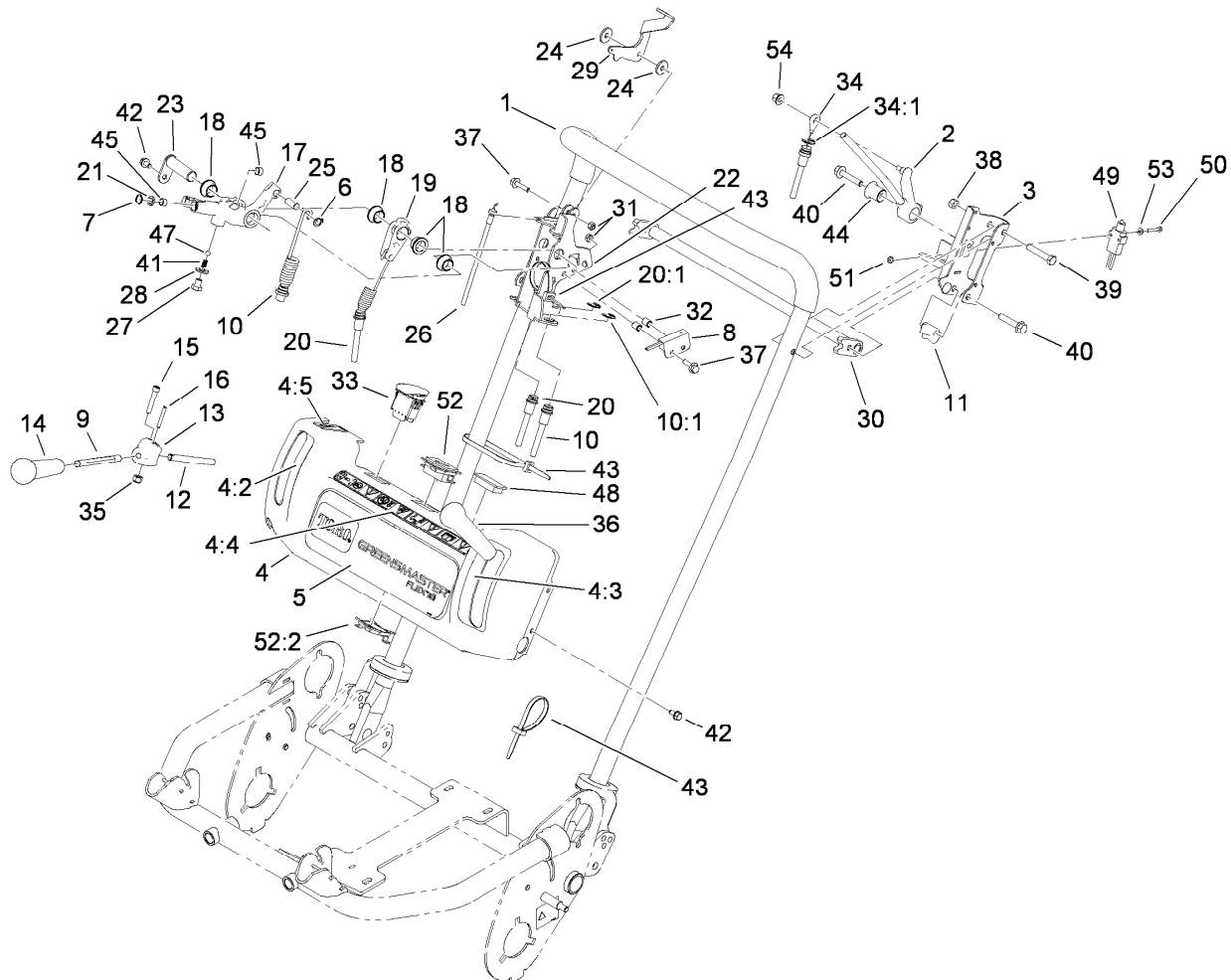
| Ref. | Part Number | Qty. | Description            |
|------|-------------|------|------------------------|
| 50   | 110-2452    | 1    | Drum-Clutch, Traction  |
| 51   | 99-2055     | 1    | Washer-Thrust          |
| 52   | 33114-016   | 1    | Screw-HH               |
| 53   | 107-9042    | 1    | Clutch Band ASM        |
| 54   | 105-9937    | 1    | Shaft-Clutch, Traction |
| 55   | 251-6       | 1    | Bearing-Ball           |
| 56   | 32120-46    | 4    | Ring-Retaining         |
| 57   | 115-1650    | 1    | Differential ASM       |
| 58   | 117-1452    | 1    | Gasket-Gearbox         |
| 59   | 117-1451    | 1    | Cover-Gearbox          |
| 60   | 99-2061     | 1    | Bushing-Keyed          |
| 61   | 32151-48    | 2    | E-Ring                 |

| Ref. | Part Number | Qty. | Description                 |
|------|-------------|------|-----------------------------|
| 62   | 99-3761     | 1    | Lever-Gearbox               |
| 63   | 99-6208     | 3    | Screw-HSH                   |
| 64   | 99-6207     | 4    | Screw-HSBH                  |
| 65   | 110-2293    | 1    | Drive Plate ASM             |
| 65:2 | 93-9389     | 1    | Decal-Warning, Belt (Japan) |
| 65:2 | 93-9356     | 1    | Decal-Warning, Belt         |
| 66   | 3254-2      | 1    | Washer-Lock, Internal       |
| 67   | 105-2429    | 1    | Seal-Oil                    |
| 68   | 105-9938    | 1    | Hub-Clutch, Traction        |
| 69   | 117-1443    | 2    | Seal-Oil, Vented Gearbox    |
| 70   | 110-3451    | 1    | Lever-Gearbox               |
| 74   | 117-1388    | 2    | Collar Assembly             |



## Differential Assembly No. 115-1650

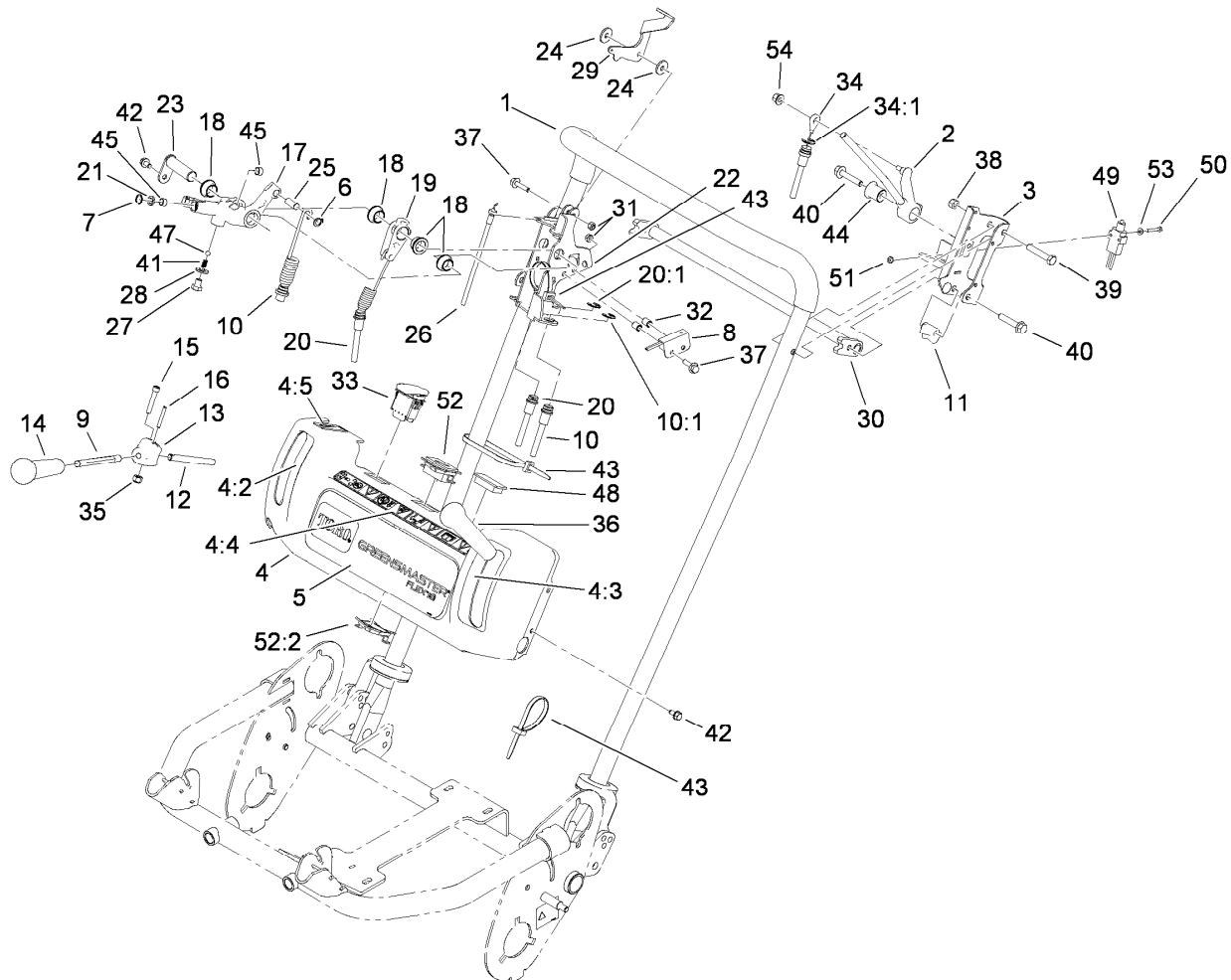
| Ref. | Part Number | Qty. | Description           |
|------|-------------|------|-----------------------|
| 1    | 115-1719    | 1    | Axle-Short            |
| 2    | 115-1721    | 1    | Axle-Long             |
| 3    | 95-5746     | 2    | Ring-Retaining        |
| 4    | 105-2405    | 1    | Gear Set-Differential |
| 5    | 105-2404    | 1    | Pin-Drive             |
| 6    | 95-5745     | 2    | Washer                |
| 7    | 105-2406    | 2    | Washer-Thrust         |
| 8    | 32121-79    | 1    | Pin-Roll              |



## Handle Assembly

| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 1    | 110-2383    | 1    | Handle                   |
| 2    | 117-1361    | 1    | Lever-Brake, Console     |
| 3    | 117-1363-03 | 1    | Brake Bracket ASM        |
| 4    | 115-1123    | 1    | Console ASM              |
| 4:2  | 104-2617    | 1    | Decal-Lever, Traction    |
| 4:3  | 104-2618    | 1    | Decal-Lever, Brake       |
| 4:4  | 115-1614    | 1    | Decal-Warning            |
| 4:5  | 93-6085     | 1    | Decal-Throttle           |
| 5    | 110-2254    | 1    | Decal-Console            |
| 6    | 105-2410    | 1    | Ring-Retaining           |
| 7    | 105-5324    | 1    | Ring-Retaining           |
| 8    | 100-1270    | 1    | Switch-Proximity         |
| 9    | 105-5319    | 1    | Rod-Handle               |
| 10   | 105-5328    | 1    | Cable-Clutch, Traction   |
| 10:1 | 32120-47    | 1    | Ring-Retaining, External |
| 11   | 110-2415    | 2    | Clamp-Handle             |
| 12   | 99-3835     | 1    | Pin                      |
| 13   | 104-9761    | 1    | Hub-Mount, Handle        |
| 14   | 104-9760    | 1    | Knob-Black               |
| 15   | 105-5349    | 1    | Screw-HSH, Special       |
| 16   | 32121-51    | 1    | Pin-Roll                 |
| 17   | 104-9758    | 1    | Lever-Control, Traction  |
| 18   | 80-1290     | 4    | Bushing                  |
| 19   | 99-3830     | 1    | Lever-Reel               |
| 20   | 99-3765     | 1    | Cable-Clutch, Reel       |
| 20:1 | 32120-47    | 1    | Ring-Retaining, External |
| 21   | 105-2407    | 1    | Wiper                    |
| 22   | 110-7334-03 | 1    | Control Bracket ASM      |

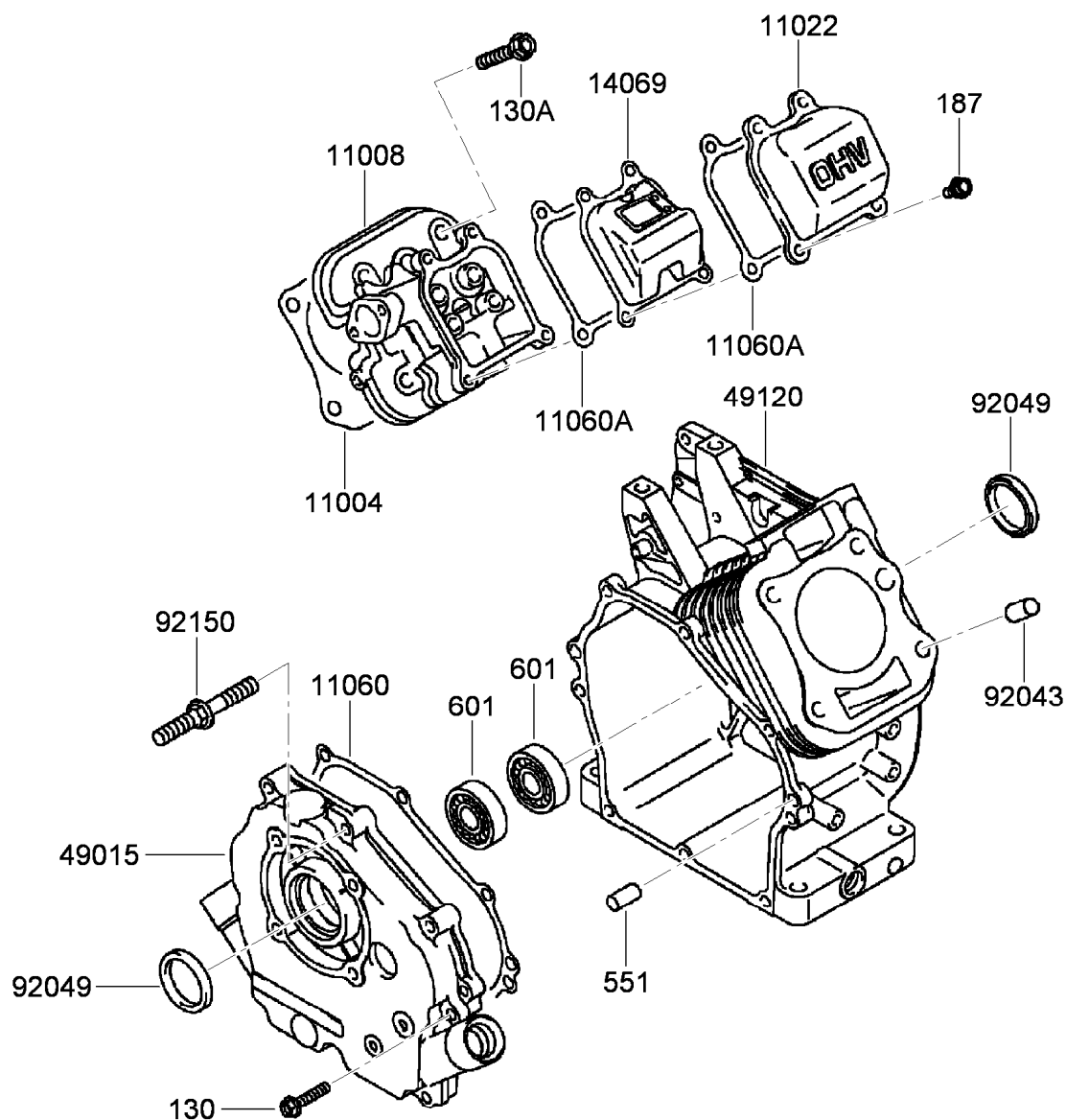
| Ref. | Part Number | Qty. | Description              |
|------|-------------|------|--------------------------|
| 23   | 99-3833     | 1    | Pin-Lever, Reel          |
| 24   | 66-2921     | 2    | Washer-Friction          |
| 25   | 104-9782    | 1    | Pin-Dowel                |
| 26   | 104-2620    | 1    | Cable-Throttle           |
| 27   | 108-8646    | 1    | Screw-HH, Lock           |
| 28   | 33094-00    | 1    | Washer-Plain             |
| 29   | 108-3179    | 1    | Lever-Throttle           |
| 30   | 112-9425    | 1    | Handle-Crossmember       |
| 31   | 33023-00    | 3    | Nut-Lock                 |
| 32   | 105-2401    | 2    | Spacer-Cable, Brake      |
| 33   | 112-9420    | 1    | Switch-Engine            |
| 34   | 99-6214     | 1    | Cable-Brake              |
| 34:1 | 32120-47    | 1    | Ring-Retaining, External |
| 35   | 3296-42     | 1    | Nut-Lock, NI             |
| 36   | 104-9774    | 1    | Knob-Red                 |
| 37   | 33103-025   | 3    | Screw-HHF                |
| 38   | 33024-00    | 2    | Nut-Lock                 |
| 39   | 33114-045   | 2    | Screw-HH                 |
| 40   | 112-9419    | 3    | Screw-HHF, W/Lock        |
| 41   | 105-2443    | 1    | Spring-Detent            |
| 42   | 104-2628    | 5    | Screw-HWH                |
| 43   | 3290-378    | 5    | Tie-Cable                |
| 44   | 112-9317    | 1    | Bushing-Flanged          |
| 45   | 99-6247     | 2    | Bushing-Bronze           |
| 47   | 105-2442    | 1    | Ball-Detent              |
| 48   | 99-7420     | 1    | Plug-Hole                |
| 49   | 95-8900     | 1    | Switch                   |
| 50   | 32105-9     | 2    | Screw                    |



## Handle Assembly (continued)

| Ref. | Part Number | Qty. | Description   |
|------|-------------|------|---------------|
| 51   | 3296-9      | 2    | Nut-Lock      |
| 52   | 104-4233    | 1    | Meter-Hour    |
| 52:2 | 104-4234    | 1    | Clip-Mounting |

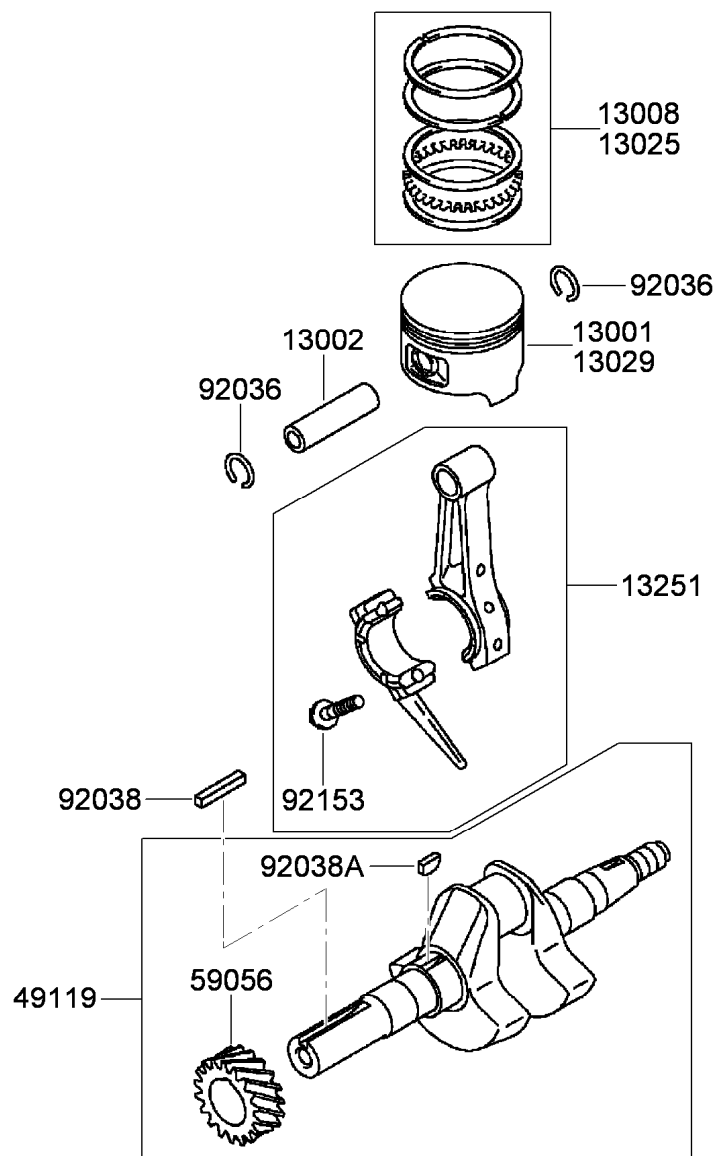
| Ref. | Part Number | Qty. | Description    |
|------|-------------|------|----------------|
| 53   | 3269-6      | 2    | Washer-Flat    |
| 54   | 81-0130     | 1    | Nut-Flange, NI |



## Cylinder and Crankcase Assembly

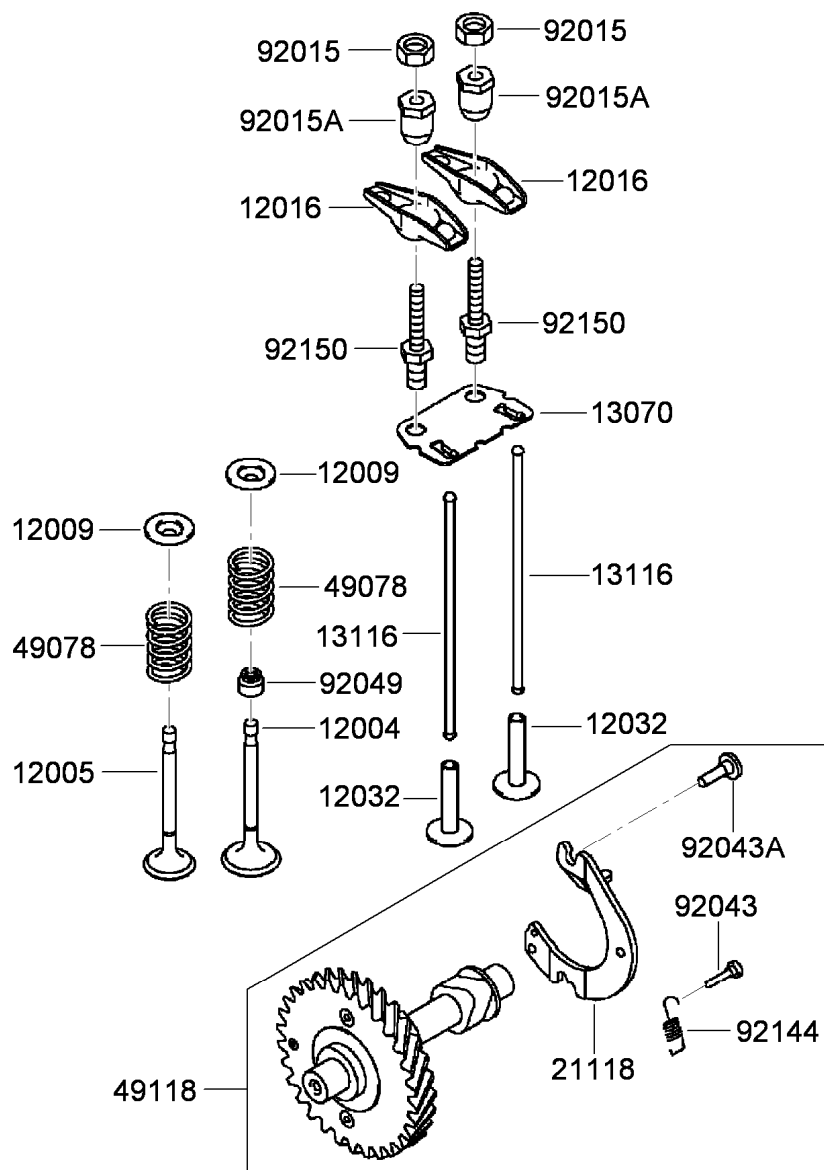
| Ref.  | Part Number | Qty. | Description            |
|-------|-------------|------|------------------------|
| 130   | 108-2522    | 7    | Bolt-Flanged (6X30)    |
| 130A  | 115-1759    | 4    | Bolt-Flanged (8X45)    |
| 187   | 115-1760    | 4    | Bolt-Upset, Wsp (6X16) |
| 551   | 93-8516     | 2    | Pin-Dowel (6X12)       |
| 601   | 93-8517     | 2    | Bearing-Ball           |
| 11004 | 93-8504     | 1    | Gasket-Head            |
| 11008 | 115-1757    | 1    | Head-Cylinder          |
| 11022 | 93-8508     | 1    | Case-Rocker            |

| Ref.   | Part Number | Qty. | Description             |
|--------|-------------|------|-------------------------|
| 11060  | 93-8525     | 1    | Gasket-Cover, Crankcase |
| 11060A | 93-8509     | 2    | Gasket-Case, Rocker     |
| 14069  | 93-8510     | 1    | Breather                |
| 49015  | 93-8697     | 1    | Cover-Crankcase         |
| 49120  | 93-8515     | 1    | Crankcase               |
| 92043  | 93-8512     | 2    | Pin                     |
| 92049  | 93-8511     | 2    | Seal-Oil                |
| 92150  | 93-8524     | 1    | Stud                    |



## Piston and Crankshaft Assembly

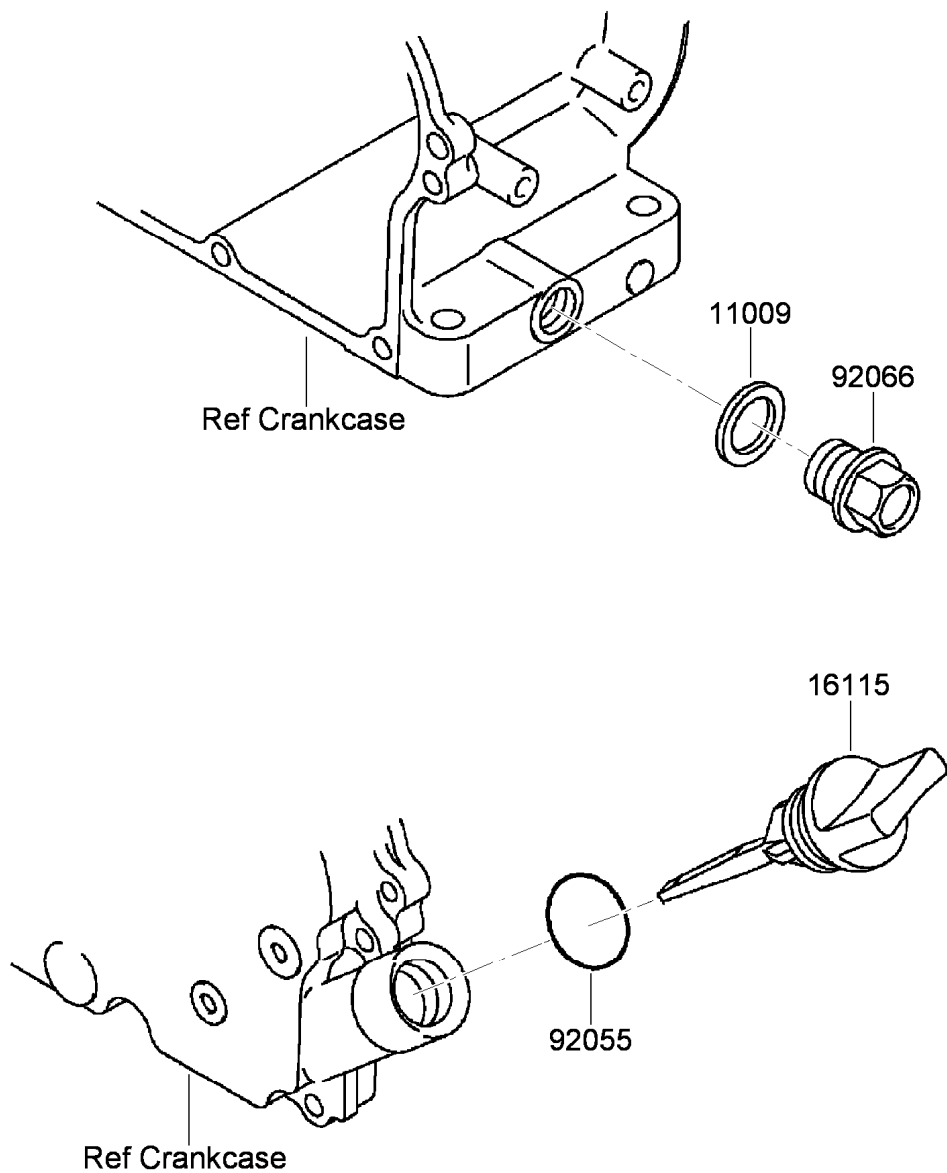
| Ref.   | Part Number | Qty. | Description             |
|--------|-------------|------|-------------------------|
| 13001  | 93-8502     | 1    | Piston                  |
| 13002  | 93-8501     | 1    | Pin-Piston              |
| 13008  | 93-8503     | 1    | Set-Ring, Piston        |
| 13025  | 94-6837     | 1    | Piston Ring Set (.05Mm) |
| 13029  | 94-6836     | 1    | Piston (0.5 O S)        |
| 13251  | 93-8528     | 1    | Connecting Rod ASM      |
| 49119  | 93-8696     | 1    | Crankshaft ASM          |
| 59056  | 94-9043     | 1    | Gear-Helical            |
| 92036  | 93-8500     | 2    | Ring-Retaining          |
| 92038  | 93-8526     | 1    | Key                     |
| 92038A | 93-8698     | 1    | Key                     |
| 92153  | 115-1805    | 2    | Bolt (6X30)             |



## Valve and Camshaft Assembly

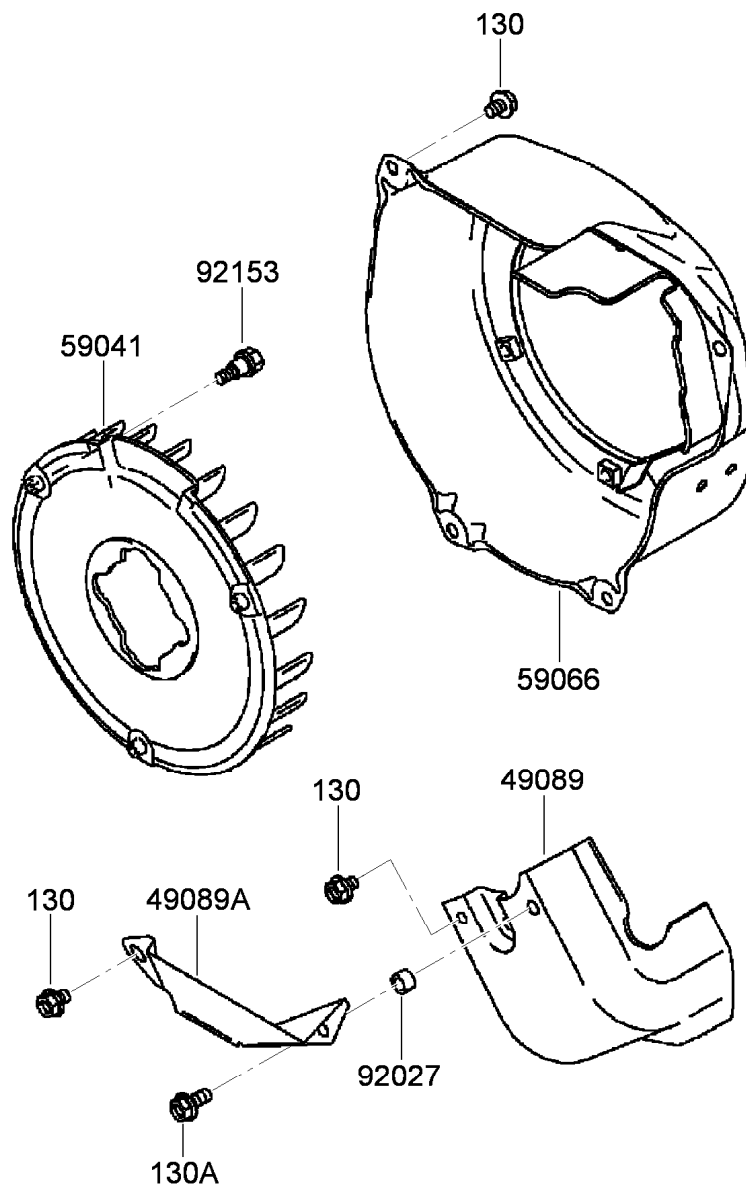
| Ref.  | Part Number | Qty. | Description            |
|-------|-------------|------|------------------------|
| 12004 | 93-8532     | 1    | Valve-Intake           |
| 12005 | 93-8529     | 1    | Valve-Exhaust          |
| 12009 | 93-8531     | 2    | Retainer-Spring, Valve |
| 12016 | 93-8535     | 2    | Arm-Rocker             |
| 12032 | 93-8539     | 2    | Tappet                 |
| 13070 | 115-1758    | 1    | Guide                  |
| 13116 | 93-8538     | 2    | Rod-Push               |
| 21118 | 93-8543     | 1    | Decompressor           |
| 49078 | 108-2533    | 2    | Spring-Valve, Engine   |

| Ref.   | Part Number | Qty. | Description  |
|--------|-------------|------|--------------|
| 49118  | 93-8699     | 1    | Camshaft ASM |
| 92015  | 93-8533     | 2    | Nut          |
| 92015A | 93-8534     | 2    | Nut          |
| 92043  | 93-8542     | 1    | Pin          |
| 92043A | 93-8540     | 2    | Pin          |
| 92049  | 115-1762    | 1    | Seal-Oil     |
| 92144  | 93-8541     | 1    | Spring       |
| 92150  | 93-8536     | 2    | Bolt         |



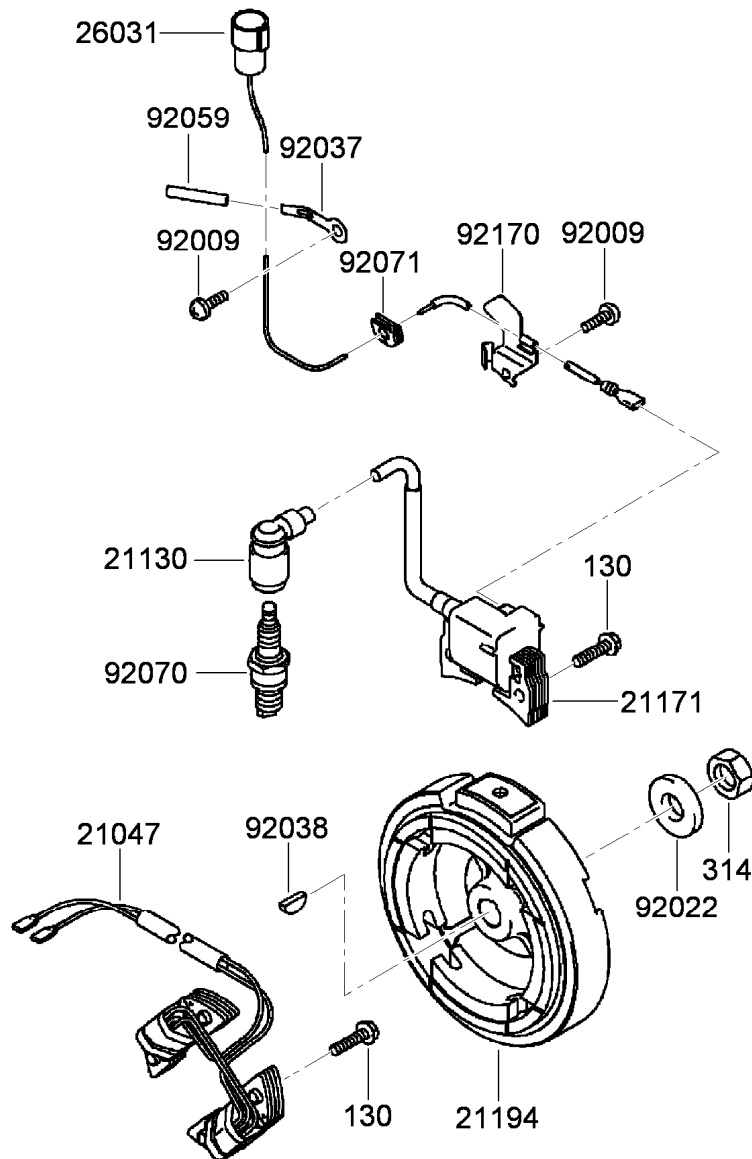
## Lubrication Equipment Assembly

| Ref.  | Part Number | Qty. | Description                    |
|-------|-------------|------|--------------------------------|
| 11009 | 93-8514     | 2    | Gasket-Plug, Drain (14.2X19X2) |
| 16115 | 93-8523     | 2    | Cap-Filler, Oil                |
| 92055 | 94-9041     | 2    | O-Ring (20Mm)                  |
| 92066 | 115-1761    | 2    | Plug (14X12)                   |



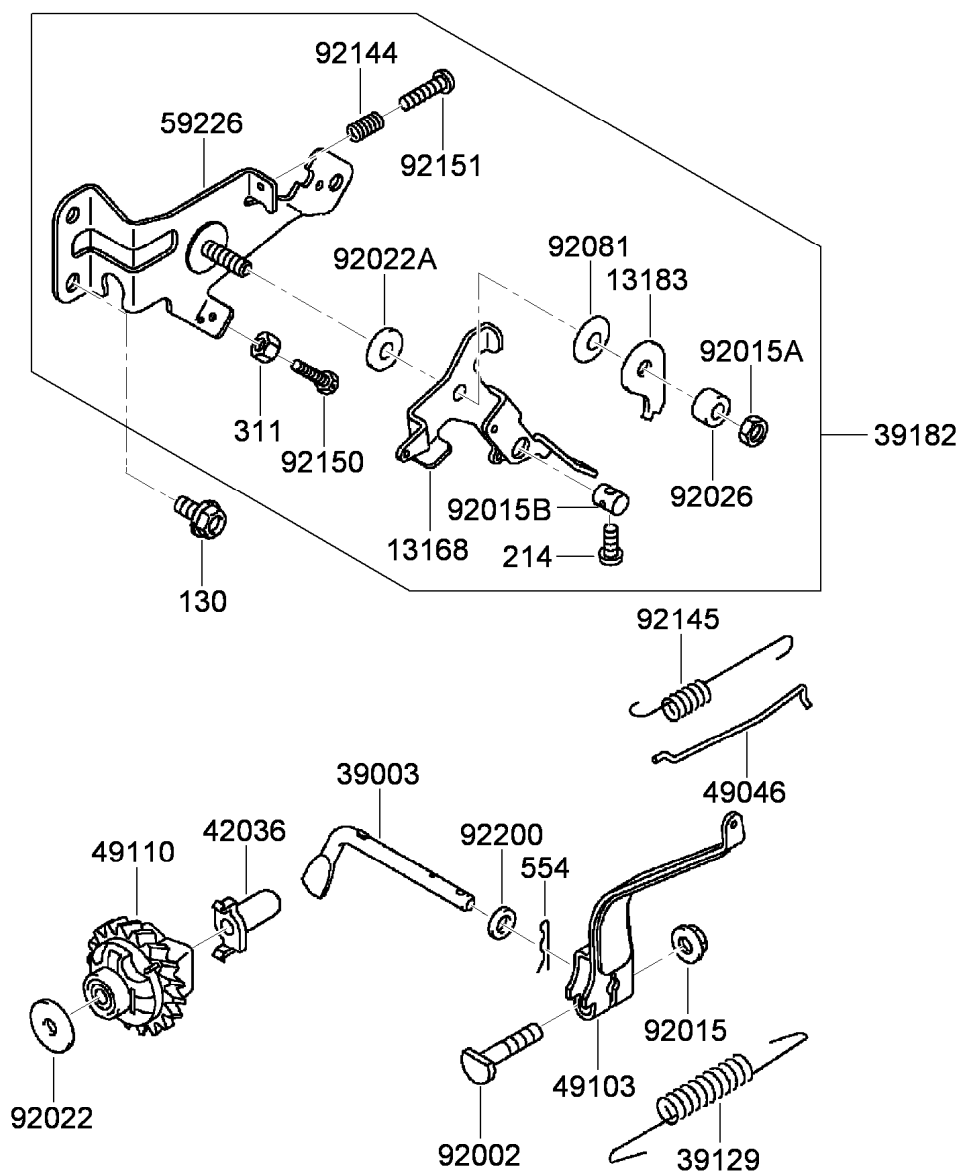
## Cooling Equipment Assembly

| Ref.   | Part Number | Qty. | Description         |
|--------|-------------|------|---------------------|
| 130    | 115-1765    | 7    | Bolt-Flanged (6X8)  |
| 130A   | 115-1764    | 1    | Bolt-Flanged (6X14) |
| 49089  | 93-8563     | 1    | Shroud-Engine       |
| 49089A | 93-8565     | 1    | Shroud-Engine       |
| 59041  | 93-8572     | 1    | Fan                 |
| 59066  | 115-1804    | 1    | Housing-Fan         |
| 92027  | 93-8564     | 1    | Collar (6.8X10X6)   |
| 92153  | 94-6840     | 3    | Bolt-Flanged        |



## Electric Equipment Assembly

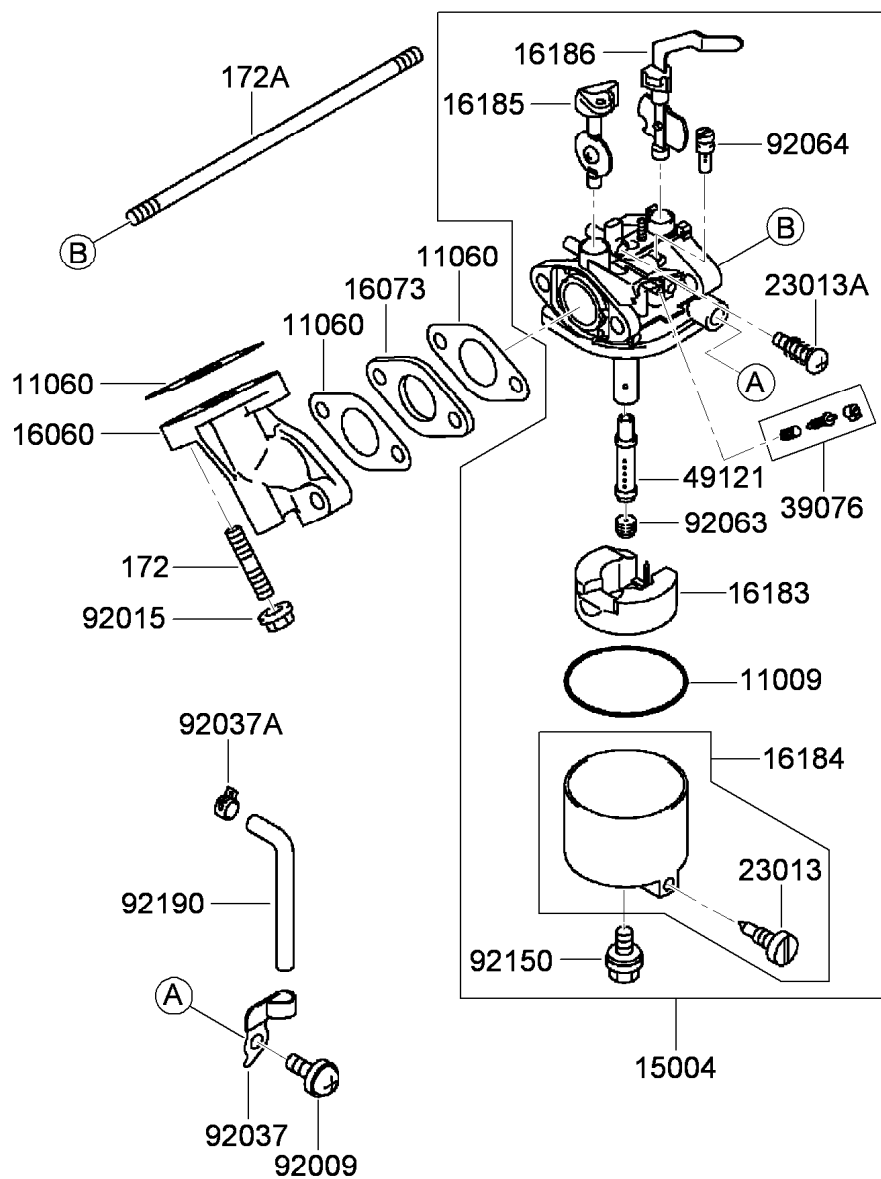
| Ref.  | Part Number | Qty. | Description                    |
|-------|-------------|------|--------------------------------|
| 130   | 100-2610    | 6    | Bolt-Flanged (6X25)            |
| 314   | 115-1845    | 1    | Nut-Hex, Fine                  |
| 21047 | 99-4267     | 1    | Coil-Lighting                  |
| 21130 | KW10087     | 1    | Cap-Sparkplug                  |
| 21171 | 94-9031     | 1    | Ignition Coil ASM              |
| 21194 | 99-6237     | 1    | Flywheel ASM                   |
| 26031 | 115-1767    | 1    | Harness                        |
| 92009 | 95-9716     | 2    | Screw                          |
| 92022 | 93-8569     | 1    | Washer                         |
| 92037 | 93-8576     | 1    | Clamp                          |
| 92038 | 93-8571     | 1    | Key                            |
| 92059 | 115-1768    | 1    | Tube (5X6X75)                  |
| 92070 | 108-2557    | 1    | Sparkplug (Bpr5Es) (Ngk) Solid |
| 92071 | 115-1772    | 1    | Grommet                        |
| 92170 | 93-8583     | 1    | Clamp                          |



## Control Equipment Assembly

| Ref.  | Part Number | Qty. | Description         |
|-------|-------------|------|---------------------|
| 130   | 115-1809    | 2    | Bolt-Flanged (6X12) |
| 214   | 115-1778    | 1    | Screw-Pan (4X14)    |
| 311   | 115-6495    | 1    | Nut-Hex             |
| 554   | 115-8671    | 1    | Pin-Snap (1.2X21.2) |
| 13168 | 93-8598     | 1    | Lever               |
| 13183 | 93-8592     | 1    | Plate               |
| 39003 | 93-8609     | 1    | Arm-Pivot           |
| 39129 | 115-1803    | 1    | Spring-Governor     |
| 39182 | 115-1754    | 1    | Control Panel ASM   |
| 42036 | 108-2567    | 1    | Sleeve              |
| 49046 | 115-1811    | 1    | Rod-Governor        |
| 49103 | 93-8603     | 1    | Arm-Governor        |
| 49110 | 93-8611     | 1    | Governor ASM        |
| 59226 | 115-1773    | 1    | Panel-Control       |

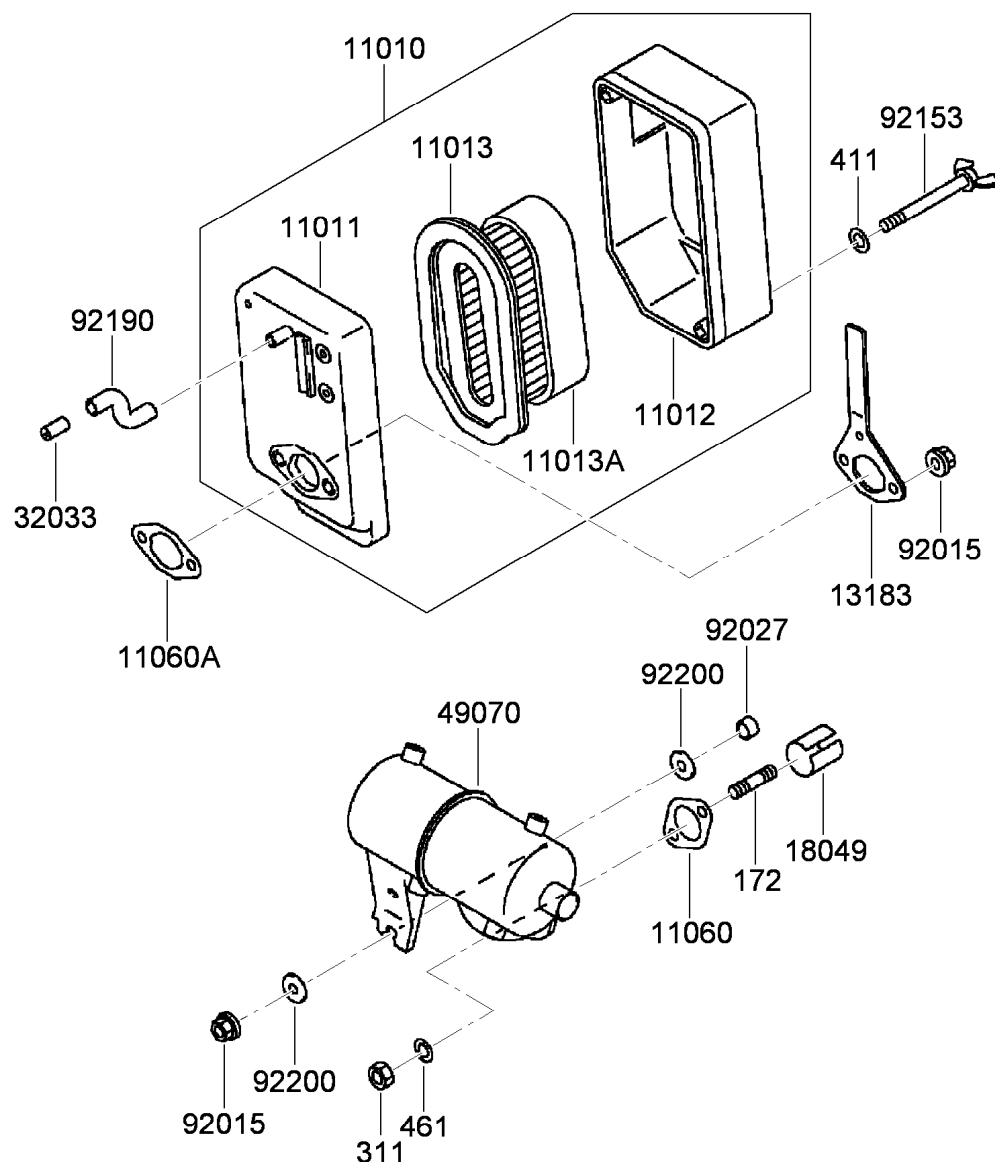
| Ref.   | Part Number | Qty. | Description           |
|--------|-------------|------|-----------------------|
| 92002  | 93-8606     | 1    | Bolt (6X28)           |
| 92015  | 93-8631     | 1    | Nut                   |
| 92015A | 93-8595     | 1    | Nut                   |
| 92015B | 93-8597     | 1    | Nut                   |
| 92022  | 94-6842     | 1    | Washer (6.2X20X0.5)   |
| 92022A | 93-8590     | 1    | Washer                |
| 92026  | 115-1776    | 1    | Spacer                |
| 92081  | 115-1775    | 1    | Spring                |
| 92144  | 93-8588     | 1    | Spring                |
| 92145  | 115-1810    | 1    | Spring                |
| 92150  | 115-1813    | 1    | Bolt                  |
| 92151  | 115-1774    | 1    | Bolt (4X22)           |
| 92200  | 93-8608     | 1    | Washer (6.5X11.5X2.0) |



## Carburetor Assembly

| Ref.  | Part Number | Qty. | Description        |
|-------|-------------|------|--------------------|
| 172   | 93-8632     | 2    | Bolt-Stud (6X18)   |
| 172A  | 115-1814    | 1    | Bolt-Stud (6X73)   |
| 11009 | 93-8624     | 1    | Gasket             |
| 11060 | 93-8613     | 3    | Gasket             |
| 15004 | 115-1869    | 1    | Carburetor ASM     |
| 16060 | 93-8633     | 1    | Pipe-Intake        |
| 16073 | 94-9048     | 1    | Insulator          |
| 16183 | 94-6844     | 1    | Float ASM          |
| 16184 | 93-8625     | 1    | Float Chamber ASM  |
| 16185 | 94-9033     | 1    | Throttle Valve ASM |
| 16186 | 115-1870    | 1    | Choke Valve ASM    |
| 23013 | 93-8626     | 1    | Screw ASM          |

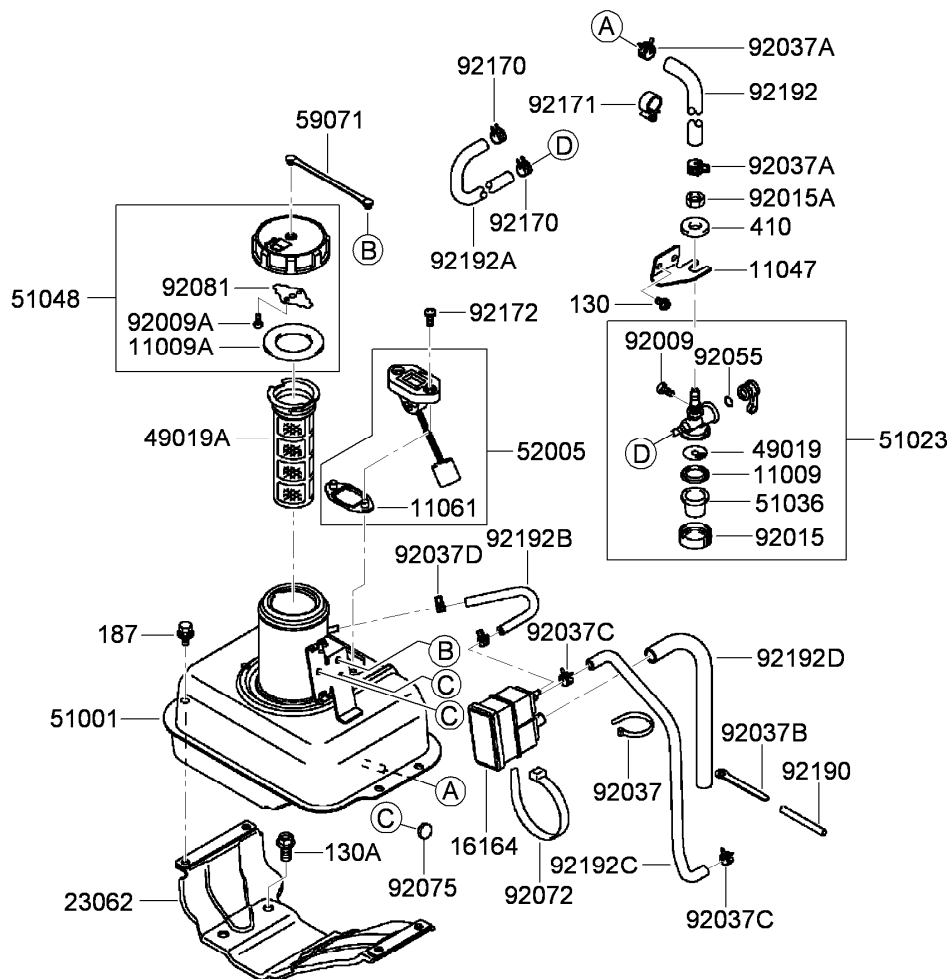
| Ref.   | Part Number | Qty. | Description       |
|--------|-------------|------|-------------------|
| 23013A | 93-8619     | 1    | Screw ASM         |
| 39076  | 94-9034     | 1    | Limiter           |
| 49121  | 115-1871    | 1    | Nozzle-Main       |
| 92009  | 94-6845     | 1    | Screw             |
| 92015  | 93-8631     | 2    | Nut               |
| 92037  | 94-6846     | 1    | Clamp             |
| 92037A | 93-8629     | 1    | Clamp             |
| 92063  | 94-9036     | 1    | Jet-Main (No.65)  |
| 92064  | 94-9037     | 1    | Jet-Pilot (No.40) |
| 92150  | 93-8627     | 1    | Bolt              |
| 92190  | 93-8630     | 1    | Tube              |



## Air Filter and Muffler Assembly

| Ref.   | Part Number | Qty. | Description         |
|--------|-------------|------|---------------------|
| 172    | 115-1819    | 2    | Bolt-Stud (6X16)    |
| 311    | 93-8656     | 2    | Nut-Hex (6Mm)       |
| 411    | 115-1802    | 2    | Washer-Plain        |
| 461    | 115-1801    | 2    | Washer-Spring       |
| 11010  | 115-1872    | 1    | Air Filter ASM      |
| 11011  | 115-1873    | 1    | Case-Filter, Air    |
| 11012  | 93-8638     | 1    | Cap-Filter, Air     |
| 11013  | 93-8636     | 1    | Element-Filter, Air |
| 11013A | 93-8637     | 1    | Element-Filter, Air |
| 11060  | 93-8654     | 1    | Gasket-Muffler      |

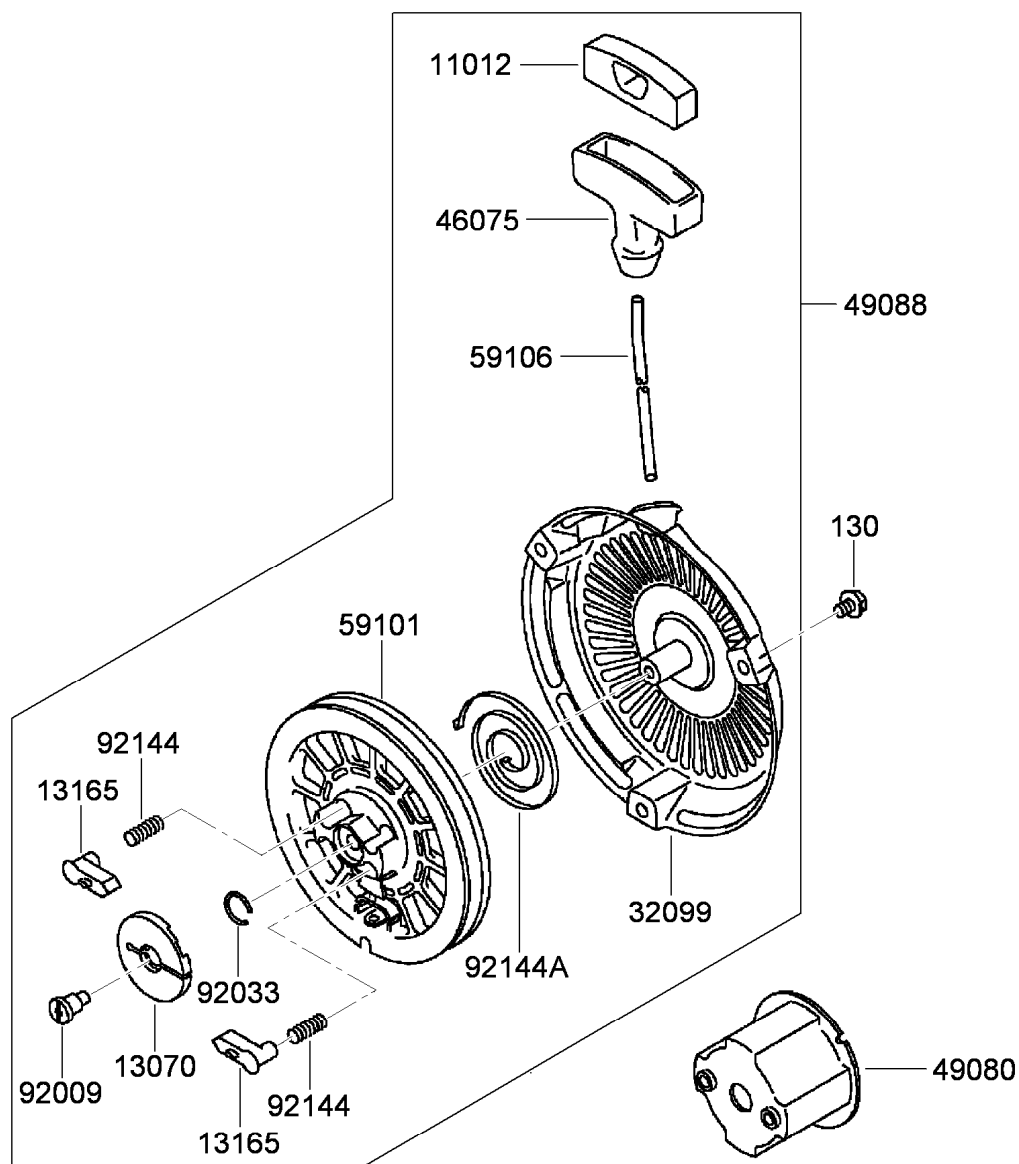
| Ref.   | Part Number | Qty. | Description        |
|--------|-------------|------|--------------------|
| 11060A | 93-8657     | 1    | Gasket-Filter, Air |
| 13183  | 93-8642     | 1    | Plate-Filter, Air  |
| 18049  | 93-8652     | 1    | Pipe-Exhaust       |
| 32033  | 93-8658     | 1    | Pipe               |
| 49070  | 115-1874    | 1    | Muffler            |
| 92015  | 93-8631     | 3    | Nut                |
| 92027  | 93-8651     | 1    | Collar             |
| 92153  | 93-8640     | 2    | Bolt               |
| 92190  | 93-8659     | 1    | Tube               |
| 92200  | 93-8650     | 2    | Washer (.5X18X2.0) |



## Fuel Tank and Fuel Valve Assembly

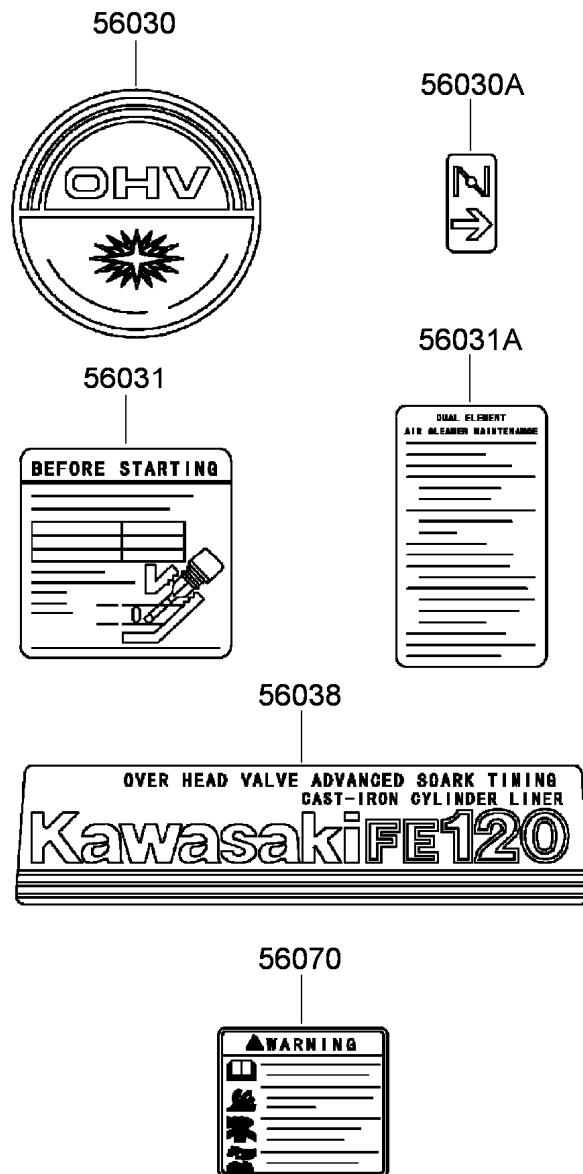
| Ref.   | Part Number | Qty. | Description            |
|--------|-------------|------|------------------------|
| 130    | 115-1864    | 2    | Bolt-Flanged (5X8)     |
| 130A   | 115-1867    | 4    | Bolt-Flanged (8X18)    |
| 187    | 115-1760    | 4    | Bolt-Upset, Wsp (6X16) |
| 410    | 115-1885    | 1    | Washer-Plain, Small    |
| 11009  | 93-8673     | 1    | Gasket                 |
| 11009A | 93-8662     | 1    | Gasket                 |
| 11047  | 93-8681     | 1    | Bracket                |
| 11061  | 104-2384    | 1    | Gasket-Gauge, Fuel     |
| 16164  | 115-1859    | 1    | Canister               |
| 23062  | 104-2383    | 1    | Bracket-Tank           |
| 49019  | 94-6849     | 1    | Filter-Tapper, Fuel    |
| 49019A | 94-6826     | 1    | Filter-Fuel            |
| 51001  | 115-1858    | 1    | Fuel Tank ASM          |
| 51023  | 93-8669     | 1    | Fuel Tapper ASM        |
| 51036  | 93-8674     | 1    | Cup-Tapper, Fuel       |
| 51048  | 115-1857    | 1    | Tank Cap ASM           |
| 52005  | 93-8685     | 1    | Gauge-Fuel             |
| 59071  | 115-1856    | 1    | Joint                  |
| 92009  | 93-8670     | 1    | Screw                  |
| 92009A | 93-8661     | 2    | Screw                  |

| Ref.   | Part Number | Qty. | Description         |
|--------|-------------|------|---------------------|
| 92015  | 93-8675     | 1    | Nut                 |
| 92015A | 94-9042     | 1    | Nut                 |
| 92037  | 115-1855    | 1    | Clamp               |
| 92037A | 115-1861    | 2    | Clamp-Clip, Hose    |
| 92037B | 115-1854    | 1    | Clamp               |
| 92037C | 93-8664     | 2    | Clamp               |
| 92037D | 93-8676     | 2    | Clamp               |
| 92055  | 93-8671     | 1    | O-Ring              |
| 92072  | 115-1853    | 1    | Band                |
| 92075  | 115-1852    | 2    | Damper              |
| 92081  | 93-8663     | 1    | Spring              |
| 92170  | 115-1865    | 2    | Clamp               |
| 92171  | 115-1862    | 1    | Clamp               |
| 92172  | 115-1860    | 2    | Screw (5X12)        |
| 92190  | 115-1851    | 1    | Tube                |
| 92192  | 115-1863    | 1    | Tube (6.2X13.2X200) |
| 92192A | 115-1866    | 1    | Tube (4X11X160)     |
| 92192B | 115-1889    | 1    | Tube                |
| 92192C | 115-1890    | 1    | Tube                |
| 92192D | 115-1891    | 1    | Tube                |



## Starter Assembly

| Ref.   | Part Number | Qty. | Description          |
|--------|-------------|------|----------------------|
| 130    | 115-1765    | 3    | Bolt-Flanged (6X8)   |
| 11012  | 94-9044     | 1    | Cap-Grip             |
| 13070  | 93-8562     | 1    | Guide-Pawl           |
| 13165  | 93-8554     | 2    | Pawl-Starter, Recoil |
| 32099  | 94-9046     | 1    | Case-Starter, Recoil |
| 46075  | 94-9045     | 1    | Grip-Starter, Recoil |
| 49080  | 93-8567     | 1    | Pulley-Recoil        |
| 49088  | 93-8552     | 1    | Recoil Starter ASM   |
| 59101  | 93-8556     | 1    | Reel-Starter, Recoil |
| 59106  | 93-8560     | 1    | Rope (4X1500)        |
| 92009  | 93-8553     | 1    | Screw                |
| 92033  | 93-8561     | 1    | Ring-Retaining       |
| 92144  | 93-8555     | 2    | Spring-Return        |
| 92144A | 93-8557     | 1    | Spring               |



## Label Set

| Ref.   | Part Number | Qty. | Description        |
|--------|-------------|------|--------------------|
| 56030  | 94-9027     | 1    | Label-Recoil       |
| 56030A | 93-8687     | 1    | Decal-Choke        |
| 56031  | 93-8689     | 1    | Decal-Instructions |
| 56031A | 93-8690     | 1    | Decal-Maintenance  |
| 56038  | 94-9028     | 1    | Label-Kawasaki     |
| 56070  | 93-8692     | 1    | Decal-Warning      |

# Attachments and Accessories

## For 04019 Greensmaster Flex 18 Traction Unit

| Product Name                           | Model/Part |
|----------------------------------------|------------|
| Light Kit.....                         | 04061      |
| Out Front Brush Kit .....              | 04119      |
| Wheel Kit .....                        | 04123      |
| 11-Blade Cutting Unit .....            | 04206      |
| 14-Blade Cutting Unit.....             | 04207      |
| Operator Presence Kit .....            | 112-9282   |
| Spark Arrestor Kit .....               | 117-1441   |
| MVP Filter and Spark Plug Kit.....     | 30065      |
| Jet-Main, No. 62 (High Altitude) ..... | 98-8735    |
| Jet-Main, No. 60 (High Altitude) ..... | 98-8736    |

**Notes:**

**Notes:**



**Count on it.**